

B-52181 SS-

# 1971

## AMA SPECIFICATIONS FORM

### . . . Passenger Car

MANUFACTURER	CAR NAME	
OLDSMOBILE	4-4-2	
MAILING ADDRESS	MODEL YEAR	ISSUED:
LANSING, MICHIGAN 48921	1971	9-1-70
		REVISED (●)
		11-2-70

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# AMA Specifications Form—Passenger Car

## TABLE OF CONTENTS

BODY MODEL .....	1
CAR AND BODY DIMENSIONS .....	2-3-27-28
POWER TEAMS .....	4
ENGINE .....	5-9
EXHAUST SYSTEM .....	9
FUEL SYSTEM .....	10
COOLING SYSTEM .....	11
VEHICLE EMISSION CONTROL .....	12
ELECTRICAL .....	13-15
DRIVE UNITS .....	16-18
TIRES AND WHEELS .....	19
BRAKES .....	19-20
STEERING .....	21
SUSPENSION – FRONT AND REAR .....	22
FRAME .....	23
BODY – MISCELLANEOUS INFORMATION .....	23
CONVENIENCE EQUIPMENT .....	24
LAMP HEIGHT AND SPACING .....	24
VEHICLE WEIGHTS .....	25
OPTIONAL EQUIPMENT WEIGHTS .....	26
INDEX .....	29

### NOTES:

1. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•) \_\_\_\_\_

BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.
34467	Convertible, 5 passenger
34487	Hardtop Coupe, 5 passenger

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

## CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:

4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.		
		34467	34487

## WIDTH

Track - Front	W101	59.7	59.7
Track - Rear	W102	59.0	59.0
Maximum overall car width	W103	76.8	76.8
Body width at No. 2 pillar	W117	NA	NA

## LENGTH

Body "O" to front of dash	L 30	0	0
Wheelbase	L101	112	112
Overall car length	L103	203.6	203.6
Overhang - front	L104	42.1	42.1
Overhang - rear	L105	49.5	49.5
Body upper structure length	L123	96.6	103.6
Body "O" line to $\text{C}$ of rear wheel	L127	95.5	95.5
Body "O" line to w/s cowl point	L130	8.7	8.7

## HEIGHT

Passenger Distribution (front & rear)		2-3	2-3
Trunk/Cargo load (lbs.)			
Overall height	H101	53.2	52.7
Cowl height	H114	38.0	38.0
Deck height	H138	38.3	38.6
Rocker panel - front	To ground	8.4	8.4
	From front wheel $\text{C}$	29.7	29.7
Rocker panel - rear	To ground	7.9	7.9
	From rear wheel $\text{C}$	-17.1	-17.1
Windshield slope angle	H122	53.0	53.0

## GROUND CLEARANCE

Bumper to ground - front	H102	11.5	11.5
Bumper to ground - rear	H104	12.3	12.3
Angle of approach	H106	18.0	18.0
Angle of departure	H107	17.9	17.9
Ramp breakover angle	H147	11.5	11.5
Min. running clearance (Specify)	H156	4.2 Exh.	4.2 Exh.



MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (#)

## CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions  
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.		
		34467	34487

## FRONT COMPARTMENT

Effective head room	H61	38.5	37.7
Max. eff. leg room — accelerator	L34	41.4	41.4
H Point to Heel point	H30	7.9	7.9
H Point travel	L17	4.8	4.8
Shoulder room	W 3	58.2	58.2
Hip room	W 5	59.6	59.6
Upper body opening to ground	H50	NA	48.2

## REAR COMPARTMENT

H Point couple distance	L50	30.7	30.7
Effective head room	H63	36.9	36.3
Min. effective leg room	L51	31.9	31.9
H Point to Heel point	H31	10.1	10.1
Min. knee room	L48	1.5	1.5
Rear Compartment room	L 3	24.0	24.0
Shoulder room	W 4		55.7
Hip room	W 6	58.3	58.3
Upper body opening to ground	H51	NA	NA

## LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	17.0	17.0
Liftover height	H195	25.9	25.9
Position of spare tire storage			
Method of holding lid open			

## STATION WAGON — THIRD SEAT

Shoulder Room	W85		
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			

## STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202		
Cargo length at belt — front seat	L204		
Cargo width — Wheelhouse	W201		
Opening width at belt	W204		
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2		

# AMA Specifications Form — Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

## POWER TEAMS

(Indicate whether standard or optional)

(Gross bhp (brake horsepower) and gross torque corrected to 60°F and 29.92 in. Hg atmospheric pressure.)

(Net bhp (brake horsepower) and net torque corrected to 85°F and 29.00 in. Hg atmospheric pressure.)

MODEL AVAILABILITY	ENGINE							TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. cu. in.	Carb.	Compr. Ratio	BHP @ RPM		Torque @ RPM			
				Gross	Net	Gross	Net		
34467 Std.	455	4 Bb1	8.50	340 @	270 @	460 @	370 @	3 Speed SMT	3.23, 3.42, 3.08
34487 Std.				4600	4400	3200	3200	4 Speed SMT (Wide Ratio) Turbo HMT 400	3.42, 3.23 - A/C  3.23, 2.56, 2.73, 3.08, 3.42
34467 Opt.	455	4 Bb1	8.50	350 @	300 @	460 @	410 @	4 Speed SMT (Wide Ratio)	3.42*, 3.73*
34467 Opt.	W30			4700	4700	3200	3200	Turbo HMT 400	3.42*, 3.73*, 3.23-A/C

\* Available only in Limited Slip with W30.

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

MODEL 4-4-2

## ENGINE – GENERAL

Type, no. cyls., valve arr.	90° OHV V-8
Bore and stroke (nominal)	4.125 x 4.250
Piston displacement, cu. in.	455
Bore spacing (C to C)	4.625
No. system	L. Bank
(front to rear)	R. Bank
Firing order	1 - 3 - 5 - 7
Compres. ratio (nominal)	2 - 4 - 6 - 8
Cylinder Head Combustion Chamber Volume (cc)	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Cylinder Head Material	8.50:1
Cylinder Block Material	69.75 Min.
Cyl. Sleeve-Wet,dry,none	Cast Iron
Number of	Front
mtg. points	Rear
Engine installation angle	2
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower}}$	1
2.5	4° 37'
Recommended fuel	54.45
regular - premium	Regular

## ENGINE – PISTONS

Material	Aluminum Alloy
Description and finish	Autothermic, Cam Grind, Tin Plate, Steel Strut
Weight (piston only) oz.	24.06
Clearance (limits)	Top land
	Skirt
	Top
	Bottom
Ring groove diameter	No. 1 ring
	No. 2 ring
	No. 3 ring
	No. 4 ring

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL 4-4-2

## ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	Upper Ring - Cast Iron with Crowned and Molybdenum Plated O.D. Lower Ring - Cast Iron with Taper O.D. Face
	Width	.0770 - .0780
	Gap	.013 - .023
Oil	Description - material, coating, etc.	Two Rails - Spring Steel, Black Oxide Finish with Chrome Plated O.D.
	Width	Rails: .0235 - .0252      Spacer: .1375 - .1335
	Gap	Rails: .015 - .055      Spacer: .285 .041
Expanders		Spacer - Cold Rolled Spacer Steel

## ENGINE – PISTON PINS

Material		SAE #1019 or #1016	
Length		2.980	
Diameter		.9803 - .9807	
Type	Locked in rod, in piston, floating, etc.		Pressed in Rod
	Bush- ing	In rod or piston	None
		Material	None
Clearance	In piston		.0003 - .0005 Loose
	In rod		.0008 - .0018 Press
Direction & amount offset in piston			.060 to R.H. of Cylinder Bore Centerline

## ENGINE – CONNECTING RODS

Material		SAE #1140 Steel
Weight (oz.)		30.33
Length (center to center)		6.733 - 6.737
Bearing	Material & Type	Moraine 400 (GM 3889 Aluminum) Steel Backed
	Overall length	.821 - .831
	Clearance (limits)	.0004 - .0033
	End play	.002 - .013 2 Rods per Crankpin

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

MODEL 4-4-2

## ENGINE – CRANKSHAFT

Material		Nodular Iron (Standard) AISI #1049 Modified (Option)	
Vibration damper type		Tuned Rubber	
End thrust taken by bearing (No.)		#3	
Crankshaft end play		.004 - .008	
Main bearing	Material & type		Moraine 400 (GM 3889-M Aluminum) Steel Backed
	Clearance		1-2-3-4: .0005 - .0021 5: .0020 - .0034
	Journal dia. and bearing overall length	No. 1	3.00 x .975
		No. 2	3.00 x .975
		No. 3	3.00 x 1.194
		No. 4	3.00 x .975
		No. 5	3.00 x 1.624
		No. 6	---
		No. 7	No bolts main bearing cap - 2 per cap
	Dir. & amt. cyl. offset		RH Bank .469 to Rear and LH Bank .469 Forward of Engine
	No. bolts/main brg. cap		2.4988 - 2.4998
Crankpin journal diameter			

## ENGINE – CAMSHAFT

Location		Center	
Material		GM 6016M Alloy Cast Iron	
Bearings	Material	Moraine 100 - Steel Backed Babbitt GM 4167M	
	Number	5	
Type of Drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		Sintered Iron or Hardened Steel
	Camshaft gear or sprocket material		Die Cast Aluminum with Nylon Teeth
	Timing chain	No. of links	48
		Width	.875 & .844
		Pitch	.500

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL SM (Standard) 4-4-2 AT (Option)

## ENGINE — VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		Helical Spring and Flat Washer Type		
Rocker ratio		1.6:1		
Operating tappet clearance (indicate hot or cold)	Intake	None		
	Exhaust	None		
Timing (based on top of ramp points)	Intake	Opens (°BTC)	30° 24°	
		Closes (°ABC)	84° 81°	
		Duration - deg.	294° 285°	
	Exhaust	Opens (°BBC)	78° 74°	
		Closes (°ATC)	38° 33°	
		Duration - deg.	296° 287°	
	Valve opening overlap		68° 57°	
Intake	Material		SAE #1041 & 1047 Steel	
	Overall length		4.703	
	Actual overall head dia.		2.067 - 2.077	
	Angle of seat & face		30°	
	Seat insert material		None	
	Stem diameter		.3432 - .3425	
	Stem to guide clearance		.0110 - .0027	
	Lift (° zero lash)		.472	
	Outer spring press. & length	Valve closed (lb. @ in.)	76 - 84 @ 1.670	
		Valve open (lb. @ in.)	180 - 194 @ 1.270	
	Inner spring press. & length	Valve closed (lb. @ in.)		
		Valve open (lb. @ in.)	Damper	
	Exhaust	Material		21-2 Steel
		Overall length		4.695
Actual overall head dia.		1.629 - 1.619		
Angle of seat & face		45° Seat 46° Face		
Seat insert material		None		
Stem diameter		.3427 - .3420		
Stem to guide clearance		.0015 - .0032		
Lift (° zero lash)		.472		
Outer spring press. & length		Valve closed (lb. @ in.)	76 - 84 @ 1.670	
		Valve open (lb. @ in.)	180 - 194 @ 1.270	
Inner spring press. & length		Valve closed (lb. @ in.)		
		Valve open (lb. @ in.)	Damper	



## AMA Specifications Form—Passenger Car

MAKE OF CAR		Oldsmobile		MODEL YEAR	1971	DATE ISSUED	9-1-70	REVISED (•)		
MODEL				W30 (Exc. A/C)		W30 (A/C)				
ENGINE - VALVE SYSTEM										
Hydraulic lifters (Std., opt., NA)										
Valve rotator, type (intake, exhaust)										
Rocker ratio										
Operating tappet clearance (indicate hot or cold)		Intake								
		Exhaust								
Timing (based on top of ramp points)	Intake	Opens (°BTC)		56°		24°				
		Closes (°ABC)		92°		81°				
		Duration - deg.		328°		285°				
	Exhaust	Opens (°BBC)		96°		74°				
		Closes (°ATC)		52°		33°				
		Duration - deg.		328°		287°				
	Valve opening overlap		108°		57°					
Intake	Material									
	Overall length									
	Actual overall head dia.									
	Angle of seat & face									
	Seat insert material									
	Stem diameter									
	Stem to guide clearance									
	Lift (= zero lash)		.475		.472					
	Outer spring press. & length	Valve closed (lb. & in.)		115 - 125 @ 1.670						
		Valve open (lb. & in.)		290 - 314 @ 1.170						
	Inner spring press. & length	Valve closed (lb. & in.)		Damper						
		Valve open (lb. & in.)		----						
	Exhaust	Material								
		Overall length								
Actual overall head dia.										
Angle of seat & face										
Seat insert material										
Stem diameter										
Stem to guide clearance										
Lift (= zero lash)		.475		.472						
Outer spring press. & length		Valve closed (lb. & in.)		115 - 125 @ 1.670						
		Valve open (lb. & in.)		290 - 314 @ 1.170						
Inner spring press. & length		Valve closed (lb. & in.)		Damper						
		Valve open (lb. & in.)		----						

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

MODEL 4-4-2

## ENGINE – LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Pressure
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Spray
	Cylinder walls	Spray
Oil pump type		Gear
Normal oil pressure (lb. @ engine rpm)		30 - 50 @ 1500 RPM
Oil press. sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full Flow
Filter replacement (element, complete)		Element
Capacity of c/case, less filter-refill (qt.)		4
Oil grade recommended (SAE viscosity and temperature range)		Above 20° F - 20W, 10W30, 10W40, 20W40 0° - 60° F - 10W, 5W30, 10W30, 10W40 Below 20° F - 5W, 5W20, 5W30
Engine Service Reqmt. (MM, MS, etc.)		MS

## ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		Two Reverse Flow Mufflers
Exhaust pipe dia. (O.D., wall thick.)	Branch	None
	Main	2.25 x .0747
Tail pipe dia. (O.D. & wall thickness)		2.00 x .060

## AMA Specifications Form—Passenger Car

MAKE OF CAR : Oldsmobile MODEL YEAR 1970 DATE ISSUED 9-1-70 REVISED (•) \_\_\_\_\_MODEL 4-4-2

## ENGINE — FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		<u>Carburetor</u>	
Fuel	Refill capacity (U.S. gals.)	<u>20</u>	
Tank	Filler location	<u>Behind License Plate Rear Bumper</u>	
Fuel	Type (elec. or mech.)	<u>Mechanical</u>	
Pump	Locations	<u>R.F. on Block</u>	
	Pressure range	<u>6 psi</u>	
Vacuum booster (std., optional, none)		<u>None</u>	
Fuel	Type	<u>Paper and Saran Type</u>	
Filter	Locations	<u>Carburetor and Fuel Tank - In Line Filter (W30 Only)</u>	
	Choke type	<u>Automatic</u>	
	Intake manifold heat control (exhaust or water)	<u>Exhaust</u>	
Carburetor	Air cleaner type	Standard	<u>Oil Wetted Paper Element (Temperature Controlled)</u>
		Optional	<u>Same as Above Except with External Cold Air Intake (W30)</u>
	Idle speed (spec. neutral or drive)	Manual	<u>750 RPM in Neutral</u>
		Automatic	<u>600 RPM in Drive</u>
	Idle A/F mix.	<u>N.A.</u>	

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
34467 (Std.) 34487 (Std.)	455	Fully Synch. 3-Speed Std. 4-Speed Opt. Turbo HMT - 400 Optional	Rochester	4MC	1	Prim. 1 3/8 Sec. 2 1/4

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL 4-4-2

## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure		
Radiator cap relief valve pressure	15 psi		
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at (°F)	195°	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	22	
	Number of pumps	1	
	Drive (V-belt, other)	V Belt	
	Bearing type	Ball	
By-pass recirculation type (inter., ext.)	External		
Radiator core type (cellular, tube and fin, other)	Tube & Fin		
Cooling system capacity	With heater (qt.)	16.2	
	Without heater (qt.)	15.5	
	Opt. equipment-specify (qt.)	17.2 w/ A/C	
Water jackets full length of cyl. (yes, no)	Yes		
Water all around cylinder (yes, no)	Yes		
Radiator hose	Lower	Number and type (molded, straight)	One Molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One Molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	One Molded
		Inside diameter	.765 - .703
	Fan	Number of blades & spacing	4 @ 76° (Std.) 6 Random Spaced (W30 or A/C)
		Diameter	19.50
Ratio-fan to crankshaft rev.		.85:1 (Std.) 1.40:1	
Fan cutout type		Clutch (W30 or A/C)	
Bearing type		Ball	
* Fan			
* Drive belts (indicate belt used by letter)	Generator or alternator	A (Std. or P/S Minus C49) B (PS W/C49 or H/D W/C49) C (A/C Exc. C49)	
	* Water Pump Gen or Alt	D (A/C W/C49) E (H/D Exc. C49)	
	Power Steering Cont.	F (Std.) G (C60)	
	Air Conditioning	H	
*All Belts Drive Fan & Water Pump			

* Drive Belt Dimensions	A	@ B	C	@ D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°	36°	36°			
Nominal length (SAE)	51.50	51.34	57.23	56.69	51.64	44.11	44.52	60.11			
Width	.380	.380	.380	.380	.380	.380	.380	.380			

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

MODEL 4-4-2

### VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)		*Engine Modification
	Air Injection Pump	Type	None
		Displacement	
		Drive ratio	
		Drive type	
		Relief valve (type)	
		Filter (describe)	
	Air Injection System	Air distribution (head, manifold, etc.)	None
		Point of entry	
		Injection tube i.d.	
		Check valve type	
		Backfire protection (type)	
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard Positive Crankcase Ventilation (Induction System)
			Optional None
	Control Unit	Make and model	AC Ventilation Valve CV-679C
		Location	Int. Manif. (Std. SM & All W30) Valve Cover (Std. AMT)
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum
		Control method (variable orifice, fixed orifice, other)	Variable Orifice
	Complete system	Discharges (to intake manifold, other)	Intake Manifold & Air Cleaner
		Air inlet (breather cap, other)	Vent Filter in Valve Cover (1 on AMT, 2 on SM & W30)
		Flame arrestor (screen, other)	Check In Ventilation Valve
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	18.5
		Thermal expansion volume (cu. ft.)	.401
		Pressure relief location (lbs.)	.903 - 1.265 In Cap
		Vacuum relief location (lbs.)	.181 - .506 In Cap
		Vapor-liquid separator type	Standpipe
		Vapor vented to (crankcase, cannister, other)	Cannister
	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Cannister
	Vapor Storage	Storage provision (crankcase, cannister, other)	Cannister
		Volume (cu. ft.) or capacity (grams)	.055 cu. ft.
		Control valve type	None

\*Exhaust emission is controlled by means of pre-heated air to carburetor, carburetor adjustment, engine timing control systems and fixed idle setting.

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•) \_\_\_\_\_

MODEL 4-4-2

## ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco Remy - 1980040
	Voltage Rtg. & Total Plates		12V - 78
	SAE Designation & Amp. Hr. Rtg.		25TA - 74 Amp. Hr.
	Location		Engine Compartment - Front L.H. Side
	Terminal grounded		Negative
Generator or Alternator	Make		Delco Remy
	Model		1100934 (Std.) 1100935 (A/C)
	Type and rating		Diode Rectifying 37 Amp (Std.) 55 Amp (A/C)
	Output at engine idle (neutral)		11 Amps
	Ratio—Gen. to Cr/s rev.		2.514 (Std.) 3.268 (A/C)
Regulator	Make		Delco Remy
	Model		Built in Alternator Frame (SPL Series)
	Type		Solid State
	Cutout relay	Closing voltage @ generator rpm	None
		Reverse current to open	None
	Regulated	Voltage	N.A.
		Current	N.A.
	Voltage test conditions	Temperature	N.A.
		Load	N.A.
		Other	Tested with Alternator

## ELECTRICAL – STARTING SYSTEM

Starting Motor	Make		Delco Remy
	Model		1108389
	Rotation (drive end view)		Clockwise
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure *	SM - Gear Shift Lever In Neutral	
		AT - Gear Shift Lever in Park	
Motor Drive	Engagement type		Solenoid Overrunning Clutch
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	Manual 166
	Flywheel tooth face width	Manual	166
		Auto.	.438

\*Initial Start - Depress Gas Pedal to Floor to set choke; turn ignition to start position and release as soon as engine starts.



# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

MODEL 4-4-2

## ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

Breaker gap (in.)		.016
Cam angle (deg.)		29 - 31
Breaker arm tension		19 - 23
Distributor	Manual	1112033 (Std.) 1112036 (W30)
	Automatic	1112033 (Std.) 1112034 (W30)
Timing	Manual	10° @ 1100 (Std.) 12° @ 850 (W30)
	Automatic	10° @ 1100 (Std.) 10° @ 850 (W30)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1112033	0° @ 725 RPM	0°-4° @ 1080 RPM 10°-14° @ 2000 RPM	18°-22° @ 3600 RPM	0°-6° @ 10 in. Hg.	22.5°-28° @ 24 in. Hg.
1112034	0° @ 650 RPM	0°-6° @ 850 RPM 12°-16° @ 1250 RPM	24°-28° @ 2900 RPM	0°-6° @ 8 in. Hg.	22.5°-29.5° @ 24 in. Hg.
1112036	0° @ 725 RPM	0°-4° @ 950 RPM 16°-20° @ 1800 RPM	20°-24° @ 4000 RPM	0°-6.5° @ 8 in. Hg.	22.5°-29.5° @ 24 in. Hg.

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)MODEL 4-4-2

## ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Standard
	Transistorized – Std., Opt., N.A.		N.A.
	Other (specify)		None
Coil	Make		Delco Remy
	Model		1115216
	Amps	Engine stopped	4.0
		Engine idling	2.0
Spark Plug	Make		AC
	Model		AC R45S
	Thread (mm)		14 MM
	Tightening torque (lb. ft.)		30
	Gap		.040
Cable	Conductor type		Resistance
	Insulation type		Neoprene
	Spark plug protector		Hypalon

## ELECTRICAL – SUPPRESSION

Locations & type	
------------------	--

## ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	AC
	Trip odometer (std. opt., N.A.)	NA
Charge indicator – type		Indicator Lamp
Temperature indicator – type		Indicator Lamp
Oil pressure indicator – type		Indicator Lamp
Fuel indicator – type		Gauge
Wind-shield wiper	Type – Standard	2 Speed Electric
	Type – Optional	--
Wind-shield washer	Type – Standard	Push Button
	Type – Optional	--
Horn	Type	Vibrating
	Number used	Two
	Amp draw (each)	5.2-5.7
Other		

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)MODEL 4-4-2

## DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Chevrolet – Single Plate
Type pressure plate springs		Bent Belleville
Total spring load (lb.)		2600–2800
No. of clutch driven discs		One
Clutch facing	Material	Woven Asbestos
	Outside & inside dia.	11.0 x 6.5
	Total eff. area (sq.in.)	123.7
	Thickness	One .135 and one .150
	Engagement cushioning method	Flat Springs
Release bearing	Type & method of lubrication	Ball Permanent
Torsional damping	Methods: springs, friction material	Coil Spring – Steel Friction

## DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard
Manual 4-speed (std., opt. N.A.)	Optional
Automatic (std., opt. N.A.)	Optional

## DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3
Transmission ratios	In first	2.42
	In second	1.58
	In third	1.00
	In fourth	---
	In reverse	2.41
Synchronous meshing, specify gears		1-2-3
Shift lever location		Floor
Lubricant	Capacity (pt.)	4.5
	Type recommended	Multi-Purpose
	SAE viscosity number	Summer
		80 or 90
		Winter
		80 or 90
		Extreme cold
		80 or 90

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)MODEL 4-4-2

## DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic 400					
Type describe	3-Speed Torque Converter					
Selector location	Lever – Column Mounted					
List gear ratios Selector Pattern and indicate which are used in each selector position	P Park --	R Reverse 2.08 --	N Neutral --	D Drive 2.48 1.48 1.00	S Super 2.48 1.48 --	L Low 2.48 -- --
Max. upshift speed–drive range	1-2 40-45 MPH		2-3 70-80 MPH			
Max. kickdown speed–drive range	2-1 30-35 MPH		3-2 65-70 MPH			
Torque converter	Number of elements 3 Max. ratio at stall 2.20 Fixed Stator Type of cooling (air, liquid) Water Nominal diameter 13.6					
Lubricant	Capacity–refill (pt.) 6 Type recommended Dexron					
Special transmission features	Part Throttle 3-2 Downshift up to 45 MPH to Provide Added Performance					

## DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Exposed	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 55.14 x .065
	Manual 4-speed trans.	3.00 x 54.43 x .065
	Overdrive transmission	N.A.
	Automatic transmission	3.00 x 54.24 x .065

\* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL 4-4-2

## DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		None	
Slip Yoke	Type		Involute Spline	
	Number of teeth		27 - 3 Speed SMT	32 - AMT & 4 Speed SMT
	Spline O.D.		1.5025	1.8800
Universal joints	Make and Mfg. No.		Saginaw Steering Gear	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach.(u-bolt, clamp, etc.)		Bolt and Strap	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
		Lubric. (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube or arms, springs)			Arms	
Torque taken through (torque tube or arms, springs)			Arms	

## DRIVE UNITS – AXLE

Type (front, rear)		Rear
Description		Salisbury Live Hypoid - Semi-Floating
Limited Slip differential, type		Multiple Plate Clutch - "S" Shaped Pre-Load Spring
Drive Pinion Offset		1.75
No. of differential pinions		2
Pinion adjustment (shim, other)		Shim
Pinion bearing adj. (shim, other)		Collapsing Spacer
Wheel bearing type		Roller
Lubricant	Capacity (pt.)	4.26
	Type recommended	Texaco TL-3450 (Std.)    Mobile XRP 464-BD-M (L.S.)
	SAE viscosity number	Summer      80-90
		Winter      80-90
		Extreme cold      80-90

## AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.56	2.73	3.08	3.23	3.42	3.73
No. of teeth	Pinion	16	15	13	13	12	11
	Ring gear	41	41	40	42	41	41
Ring Gear O.D.		8.5	8.5	8.5	8.5	8.5	8.5

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)MODEL 4-4-2

## DRIVE UNITS – WHEELS

Type & material		Welded Steel
Rim (size & flange type)	Std.	14 x 7 JJ
	Opt.	None
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 x 7/16

MODEL \_\_\_\_\_

## DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	G70 x 14 2 Ply Body 4 Ply Tread 4 Ply Rate
	Type (bias, radial, etc.)	131 AS
	Full rated Inflation Press.	24
	Front	24
	Rear	24
	Rev./Mile at 50 MPH	782
Optional	Size, ply rating, & ply	G70 x 14 - 2 Ply Body (White Letters) 4 Ply Tread 4 Ply Rate 131 AS

## BRAKES – PARKING

Type of control		Suspended Pedal
Location of control		Left Drivers Compartment
Operates on		Rear Brake
If separate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	--
	Lining size (length x width x thickness)	--



## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)MODEL 442

## BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)			Drum	
Self adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other)			
Power brake make & type (remote, int., etc.)	Std.	Opt.		
Effective area (sq. in.) *			141.8	
Gross lining area (sq. in.) **			149.8	
Swept area (sq. in.) ***			268.8	
Front to Rear Effectiveness Relationship			65% Front	
Drum	Diameter (nominal)	Front	9.5	
		Rear	9.5	
	Type and material		Centrifugal Cast in Steel Shell - Front Composite Rear	
Rotor	Outer working diameter			
	Inner working diameter			
	Working Thickness			
	Material & type (vented/solid)			
Wheel cylinder bore	Front	1 1/8"		
	Rear	7/8"		
Master Cylinder	Bore	1"		
	Stroke	N.A.		
Pedal arc ratio			6.23 to 1	
Line pressure at 100 lb. pedal load			N.A.	
Shoe Clearance	Front	.015/Shoe		
	Rear	.015/Shoe		
Anti-skid device type (std., opt., N.A.)			N.A.	
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material	Bendix H3140G Pri. H3179 Sec.	
		Size (length x width x thickness)	Prim. or out-board	7.63 x 2.50 x .190 Min.
			Second. or in-board	9.91 x 2.50 x .270 Min.
		Segments per shoe		1
		Rear Wheel	Material	Bendix H3140G Pri. H3179 Sec.
	Size (length x width x thickness)		Prim. or out-board	7.63 x 2.00 x .190 Min.
			Second. or in-board	9.91 x 2.00 x .270 Min.
	Segments per shoe		1	

\* Excludes rivet holes, grooves, chamfers, etc. \*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)MODEL 4-4-2 W30 Manual Disc (Standard Equipment)

## BRAKES—SERVICE

			Front	Rear
Type (drum) or (disc & no. of pistons)			Disc	Drum
Self adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other)		Combination	
Power brake make & type (remote, int., etc.)	Std.	Opt.	Delco Integral	
Effective area (sq. in.) *			37.88	62.1
Gross lining area (sq. in.) **			41.8	70.1
Swept area (sq. in.) ***			226.2	119.4
Front to Rear Effectiveness Relationship			65% Front	
Drum	Diameter (nominal)	Front		
		Rear	9.5	
	Type and material		Composite Rear - Optional	
Rotor	Outer working diameter		10.88	
	Inner working diameter		7.12	
	Working Thickness		1.035	
	Material & type (vented/solid)		Vented Cast Iron	
Wheel cylinder bore	Front		2 15/16"	
	Rear		7/8"	
Master Cylinder	Bore		1 1/8"	
	Stroke		N.A.	
Pedal arc ratio			6.23 to 1	
Line pressure at 100 lb. pedal load			N.A.	
Shoe Clearance	Front		.000	
	Rear			.015/Shoe
Anti-skid device type (std., opt., N.A.)			N.A.	
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material	Bendix 7131C	
		Size (length x width x thickness)	Prim. or out-board	5.4 x 1.93 x .40 Min.
			Second. or in-board	5.4 x 1.93 x .43 Min.
			Segments per shoe	1
		Rear Wheel	Material	Bendix H3140G Pri. H3179 Sec.
	Size (length x width x thickness)		Prim. or out-board	7.63 x 2.00 x .190 Min.
			Second. or in-board	9.91 x 2.00 x .270 Min.
	Segments per shoe		1	

\* Excludes rivet holes, grooves, chamfers, etc. \*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)MODEL 4-4-2

## STEERING

Manual (std., opt., NA)				Standard	
Power (std., opt., NA)				Optional	
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt-A-Way	
		(std., opt., NA)			
Wheel diameter		Manual		15.50	
		Power		15.50	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		43.3	
		Curb to curb (l. & r.)		40.0	
	Inside rear	Wall to wall (l. & r.)		23.4	
		Curb to curb (l. & r.)		24.2	
Manual	Gear	Type		Ball Nut	
		Make		Saginaw Steering Gear	
		Ratios	Gear	28.0:1	
			Overall	33.0:1	
	No. wheel turns (stop to stop)		6.64 Lock to Lock		
Power	Type (coaxial, linkage, etc.)		Integral Gear		
	Make		Saginaw Steering Gear (Variable Ratio)		
	Gear	Type		Integral Gear	
		Ratios	Gear	16.0:13.0:1	
			Overall	18:8:15.3:1	
	Pump driven by		Belt From Crank		
No. wheel turns (stop to stop)		3.39 Lock to Lock			
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Front		
	Drag link (trans. or longit.)		Transverse		
	Tie rods (one or two)		Two		
Steering Axis	Inclination at camber (deg.)		8° at +1° Camper		
	Bearings (type)	Upper	Ball Joint		
		Lower	Ball Joint		
		Thrust	Ball Joint		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		1 1/4° Neg. ± 1°*		
	Camber (deg.)		1/8° Pos. ± 3/4*		
	Toe-in (outside track inches)		1/8 ± 1/8		
Steering spindle & joint type				Ball Joint	
Wheel Spindle	Diameter	Inner bearing		1.2497 - 1.2492	
		Outer bearing		.7496 - .7491	
	Thread size		3/4 - 20		
	Bearing type		Tapered Roller		

\*Within 1° Side to Side

# AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL 4-4-2

## SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	None
Provision for brake dip control	Counter Dive Suspension
Provision for acc. squat control	Rear Suspension Upper Control Arm
Special provisions for car jacking	None
Shock absorber front & rear	Type Make Piston dia.
	Direct Acting Delco 1.00
Other special features	None

## SUSPENSION – FRONT

Type and description	Independent Coil Spring
Spring	Type Material Size (coil design height & I.D.; bar length x dia.) Spring rate (lb. per in.) Rate at wheel (lb. per in.)
	Coil SAE 9260 (SAE 5160 Opt.) * 11.3 Design Height 5.50 I.D. * *
Stabilizer	Type (link, linkless, frameless) Material & bar diameter
	Link SAE 1070 .937 D.A.

## SUSPENSION – REAR

Type and description	Link Coil Spring
Drive and torque taken through	Arms
Spring	Type Material Size (length x width, coil design height & I.D.; bar length & dia.) Spring rate (lb. per in.) Rate at wheel (lb. per in.) Mounting insulation type If leaf No. of leaves Shackle (comp. or tens.)
	Coil SAE 9260 * 7.62 Design Height 5.50 I.D. * * Rubber None None
Stabilizer	Type (link, linkless, frameless) Material
	Linkless SAE 1070 .875 Dia.
Track bar type	None

\*Computer Selected According to Vehicle Weight and Suspension Options.

## AMA Specifications Form—Passenger Car

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)MODEL 4-4-2

## FRAME

Type and description (Separate frame,  
unitized frame, partially - unitized frame)Channel Section Side Rail  
4 Cross Bars

## BODY — MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle Ident. No. location		Instrument Panel (L.H.)
Engine No. location		Left Front Engine Block
Theft protection - type		Key Type Starting - Steering Column Lock
Vent window control method (crank, friction pivot)	Front	None
	Rear	None
Seat cushion type	Front	Zig Zag
	Rear	Zig Zag
	3rd seat	--
Seat back type	Front	Zig Zag
	Rear	Zig Zag
	3rd seat	--
Windshield glass type (i.e., single curved - laminated plate)		Single Curved - Laminated Plate
Side glass type (i.e., curved - tempered plate)		Curved - Tempered Plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound Curved-Tempered Plate
Windshield glass exposed surface area		1288.9 1290.4
Side glass exposed surface area		1891.4 2014.0
Backlight glass exposed surface area		655.7 1481.4
Total glass exposed surface area		3835.0 4785.8
		33467 34487

# AMA Specifications Form—Passenger Car

Page 24

Page 24

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

MODEL 4-4-2

## CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Optional
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		4 Way - Optional 6 Way - Optional L.H. Bucket Only
Reclining front seat back (R-L or both)		N.A.
Front seat head restrainer (R-L or both)		Standard
Radios (specify type as well as availability)		Deluxe, AM-FM Stereo, Tape Optional
Rear seat speaker		Optional
Power antenna		N.A.
Clock		Optional
Air conditioner (specify type and availability)		Optional
Speed warning device		Optional
Speed control device		Optional
Ignition lock lamp		N.A.
Dome lamp		Standard
Glove compartment lamp		Optional
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional
Map lamp		Optional
Auto. trans. quad. lamp		Optional
Cornering light lamp		N.A.
Dual Brake Warning		Standard
Hazard Warning		Standard
Anti-Theft Buzzer		Standard
Anti-Theft Lock		Standard

## LAMP HEIGHT AND SPACING

N.A.

Height above ground to center of bulb or marker	Headlamp	Highest *	
		Lowest	
	Tail	Highest	
		Lowest	
	Sidemarker	Front	
		Rear	
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside *	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

\* If single headlamps are used enter here.



MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (•)

### VEHICLE WEIGHTS

[illegible]

\*Reference – SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

MAKE OF CAR Oldsmobile MODEL YEAR 1971 DATE ISSUED 9-1-70 REVISED (\*)

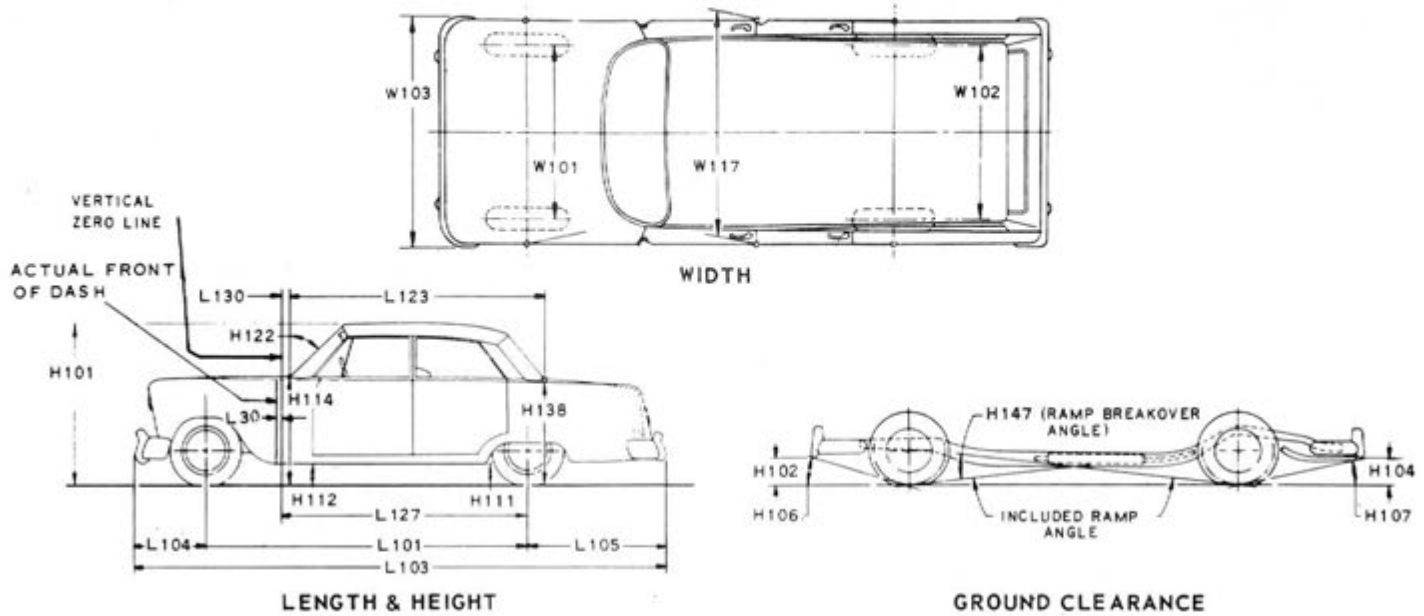
### OPTIONAL EQUIPMENT WEIGHTS

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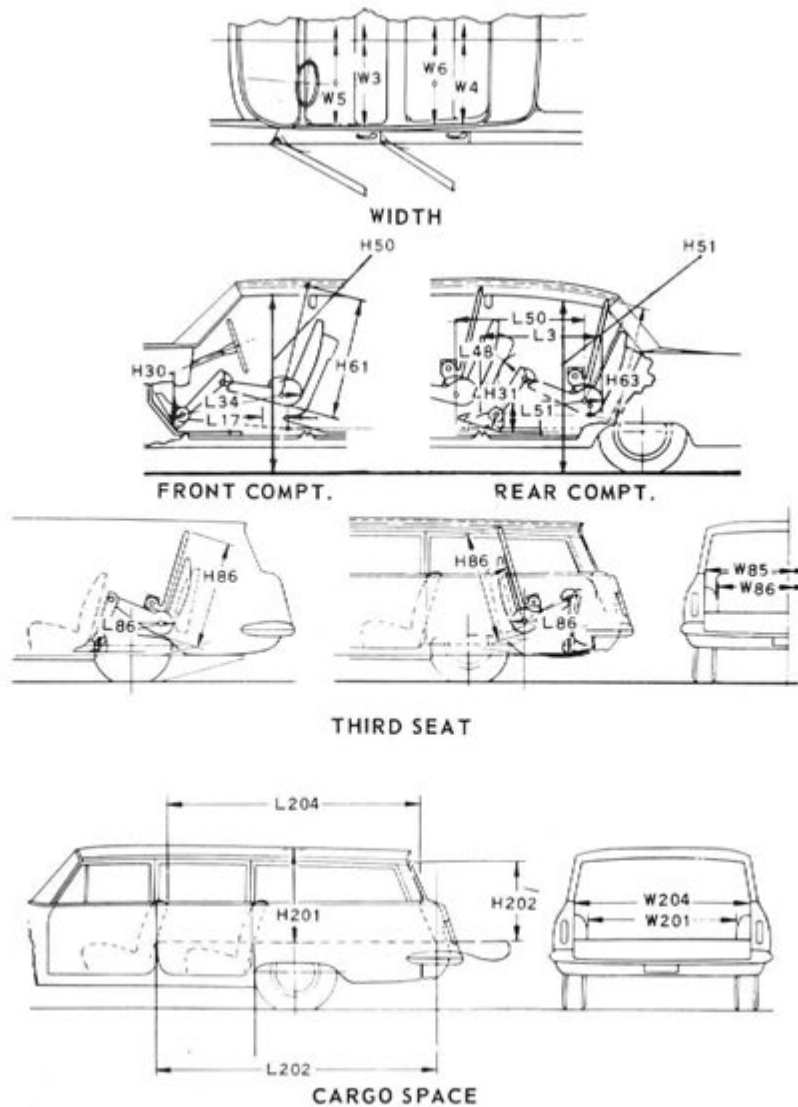
## CAR AND BODY DIMENSIONS

### KEY SHEET

#### EXTERIOR CAR AND BODY DIMENSIONS



#### INTERIOR CAR AND BODY DIMENSIONS



## CAR AND BODY DIMENSIONS

## KEY SHEET

## DIMENSION DEFINITIONS

## EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

## EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

## EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

## GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

## FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

## FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
- REAR COMPARTMENT DIMENSIONS
- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

## LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

## STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

## STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheel housings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

1728

## INDEX

SUBJECT	PAGE NO.
Automatic Transmission.....	17
Axis, Steering.....	21
Axle, Rear.....	18
Battery.....	13
Bearings, Engine.....	5, 6, 7
Belts - Fan, Generator, Water Pump.....	11
Brakes - Parking, Service Power.....	19, 20
Camber.....	21
Camshaft.....	7
Capacities	
Cooling System.....	11
Fuel Tank.....	10
Lubricants	
Engine Crankcase.....	9
Transmission and Overdrive.....	16, 17
Rear Axle.....	18
Car and Body Dimensions	
Width.....	2
Length.....	2
Height.....	2
Ground Clearance.....	2
Front Compartment.....	3
Rear Compartment.....	3
Luggage Compartment.....	3
Station Wagon - Third Seat.....	3
Station Wagon - Cargo Space.....	3
Carburetor.....	4, 10, 12
Caster.....	21
Choke, Automatic.....	10
Clutch - Pedal Operated.....	16
Coil, Ignition.....	15
Connecting Rods.....	6
Convenience Equipment.....	24
Cooling System.....	11
Crankcase Ventilation System.....	12
Crankshaft.....	7
Cylinders and Cylinder Head.....	5
Dimension Definitions	
Key Sheet.....	27, 28
Exterior & Interior.....	27, 28
Distributor - Ignition.....	14
Electrical System.....	13, 14, 15
Engine	
Bore, Stroke, Displacement, Type.....	5
Compression Ratio.....	4, 5
Firing Order, Cylinder Numbering.....	5
General Information, H.P. & Torque.....	4, 5
Lubrication.....	9
Power Teams.....	4
Exhaust Emission Control.....	12
Exhaust System.....	9
Equipment Availability.....	24
Fan, Cooling.....	11
Filters - Engine Oil, Fuel System.....	9, 10
Frame.....	23
Front Suspension.....	22
Fuel, Fuel Pump, Fuel System.....	5, 10
Fuel Injection.....	10
Generator and Regulator.....	13
Glass.....	23
Height (Lamps).....	24
Headroom - Body.....	3
Heights - Car and Body.....	2
Horns.....	15
Horsepower - Brake.....	4
Ignition System.....	14
Inflation - Tires.....	19
Instruments.....	15

SUBJECT	PAGE NO.
Kingpin (Steering Axis).....	21
Lamp height and spacing.....	24
Legroom.....	3
Lengths - Car and Body.....	2
Lifters, valve.....	8
Linings - Clutch, Brake.....	16, 20
Lubrication.....	9, 16, 17, 18
Luggage Compartment.....	3
Motor, Starting.....	13
Muffler.....	9
Piston Pins & Rings.....	5, 6
Pistons.....	5, 6
Power Brakes.....	20
Power Steering.....	21
Power Teams.....	4
Propeller Shaft, Universal Joints.....	17, 18
Pumps - Oil, Fuel.....	9, 10
Water.....	11
Radiator, Hoses.....	11
Ratios - Axle.....	4, 18
Compression.....	4, 5
Steering.....	21
Transmission.....	16, 17
Rear Axle.....	4, 18
Regulator - Generator.....	13
Rims.....	19
Rings, Piston.....	6
Rods - Connecting.....	6
Shock Absorbers, Front & Rear.....	22
Spark Plugs.....	15
Speedometer.....	15
Springs - Front & Rear Suspension.....	22
Stabilizer (Sway Bar) - Front & Rear.....	22
Starting System.....	13
Steering.....	21
Supply System.....	13
Suppression - Ignition, Radio.....	15
Suspension - Front & Rear.....	22
Tail Pipe.....	9
Thermostat, Cooling.....	11
Timing, Engine & Valve.....	8, 14
Tires.....	19
Toe in.....	21
Torque Converter.....	17
Torque - Engine, Rated.....	4
Transmission - Types.....	4, 10, 16, 17
Automatic.....	4, 10, 16, 17
Manual.....	4, 10, 16
Ratios.....	16, 17
Track.....	2
Trunk Luggage Capacity.....	3
Turning Diameter.....	21
Unitized Construction.....	23
Universal Joints, Propeller Shaft.....	17, 18
Valves - Intake & Exhaust.....	8
Vibration Damper.....	7
Voltage Regulator.....	13
Water Pump.....	11
Weights.....	25, 26
Wheel Alignment.....	21
Wheelbase.....	2
Wheels & Tires.....	19
Wheel Spindle.....	21
Widths - Car and Body.....	2
Windshield.....	23
Windshield Wiper.....	15

Page

# AMA Specifications Form—Passenger Car

Page

MAKE OF CAR \_\_\_\_\_ MODEL YEAR \_\_\_\_\_ DATE ISSUED \_\_\_\_\_ REVISED (•) \_\_\_\_\_

MODEL \_\_\_\_\_



25509



**1971**  
**PRODUCT SELLING**  
**INFORMATION**

# 1971 OLDSMOBILE PRODUCT SELLING INFORMATION FOR OLDSMOBILE SALESMEN

This book is for the use of Oldsmobile dealers and salesmen in presenting the outstanding benefits of Oldsmobile ownership. And it is organized to give them the *full facts fast*—with just one place to look for any fact.

The book is intended to be the most comprehensive "selling tool" in the industry and one of the most accurate, for it was kept up to date with design revisions through all stages of its production—from its conception until it came off the press. Oldsmobile, however, reserves the right to make changes at any time, without notice, in colors, equipment, specifications, and models, and to discontinue models. Information of such changes will be furnished to the selling organization in other forms.

The book is comprised of three major sections:

**NEW FEATURES . . .** Descriptions of everything that is new for 1971: for the intermediates, the 88s, the Ninety-Eights, and the Toronado, plus lists of features introduced each model year since 1961. These lists should be especially valuable to any salesman whose prospect is trading in an older model Oldsmobile.

**MODEL FEATURES . . .** Individual pages listing or showing for each model group: standard exterior features that identify the models in the group; styling features that are available to personalize each model; model illustrations; lists of standard and available equipment and major dimensions and specifications. In addition, the section includes lists of standard and safety features for all models, and, in many cases, lists of advantages of a model over a lower-priced model. Included in this section also are lists of equipment for various strenuous services such as use in police cars and for trailer towing.

**EQUIPMENT FEATURES . . .** Detailed descriptions of all equipment and features of all models, including explanations of how they work, customer benefits, and principal dimensions.

In feature and specification lists, and in other places, information is given under the following headings so it will be easier to find:

**BODY . . .** Everything concerning the structural aspects of the body, hood, doors, windows, trunk, and cargo compartment.

**EXTERIOR . . .** Everything that is seen on the

outside of the car, including color and finish, grilles, bumpers, moldings, wheel covers, mirrors, and lamps.

**INTERIOR . . .** Everything that is visible inside the car: upholstery, floor coverings, seats, seat equipment, conveniences, lamps, mirrors, ventilation, heater, air conditioner, radios, tape player, instrument panel, consoles, and driving controls.

**POWER TRAIN . . .** Everything that makes the car go: engine, transmission, drive line, and axle.

**CHASSIS . . .** Everything pertaining to the car's ride and maneuverability: frame, suspension, wheels, tires, steering, and brakes.

For easier finding of information in lists, wherever practical, data under the foregoing headings is given in alphabetical sequence.

Some of the features shown on the model illustrations are at extra cost. Depending on the model, they include roof drip moldings, side-window sill and frame moldings, body-side and wheel-opening moldings, paint stripes, vinyl rooftop covering, cornering lamps, sports wheels and wheel discs, and whitewall tires.

## WHERE TO FIND FACTS FAST

MODEL LINEUP	NEW FEATURES	MODEL FEATURES						EQUIPMENT FEATURES
		Model Identification	Model Styling Features	Model Illustrations	Model Equipment	Model Specifications	Model Advantages	
INTERMEDIATE MODELS								
F-85 L-6 Town Sedan (Model 3169)	Pages 2-3	Pages 14	Pages 15	Pages 16	Pages 17	Pages 17	Pages —	Air Conditioner . . . . . 94-95 Axle . . . . . 120
F-85 V-8 Town Sedan (Model 3269)	2-3	14	15	16	17	17	—	Body Types and Construction . . . . . 72 Braking System . . . . . 128-129 Bumpers . . . . . 82
CUTLASS L-6 Town Sedan (Model 3569) Hardtop Coupe (Model 3187)	2-3 2-3	18 18	19 19	20 20	21 21	21 21	18 —	Cargo Compartment . . . . . 78-79 Cargo Space Dimensions . . . . . 66 Clutch . . . . . 119 Color and Finish . . . . . 81 Console, Sports . . . . . 101 Conveniences, Interior . . . . . 91
CUTLASS V-8 Town Sedan (Model 3669) Hardtop Coupe (Model 3287)	2-3 2-3	18 18	19 19	20 20	21 21	21 21	18 —	Doors and Locks . . . . . 74-75 Drive Line . . . . . 120-121 Driving Controls . . . . . 100-101
CUTLASS S L-6 Sports Coupe (Model 3577) Hardtop Coupe (Model 3587)	2-3 2-3	22 22	23 23	24 24	25 25	25 25	— 22	Electrical System . . . . . 112-113 Engine Air-Pollution Control Systems . . . . . 114-115 Engine Cooling System . . . . . 110-111 Engine Exhaust System . . . . . 109 Engine Fuel System . . . . . 108 Engine Lubrication System . . . . . 110 Engine Power System . . . . . 106-107 Engine Specifications . . . . . 102-103 Engineering, Oldsmobile . . . . . 71
CUTLASS S V-8 Sports Coupe (Model 3677) Hardtop Coupe (Model 3687)	2-3 2-3	22 22	23 23	24 24	25 25	25 25	— 22	Features List, New (1961-1971) . . . . . 12 Features List, Safety (All Models) . . . . . 70 Features List, Standard (All Models) . . . . . 13 Floor Coverings . . . . . 86-87
CUTLASS SUPREME Hardtop Coupe (Model 4257) Hardtop Sedan (Model 4239) Convertible (Model 4267)	2-3 2-3 2-3	26 26 26	27 27 27	28 28 28	29 29 29	29 29 29	26 — —	Grilles . . . . . 82 Heater . . . . . 94 Hood . . . . . 74 Instrument Panel . . . . . 98-99 Lamps, Exterior . . . . . 85 Lamps, Interior . . . . . 92-93 Maintenance, Car . . . . . 130 Mirrors, Exterior . . . . . 85 Mirrors, Interior . . . . . 93 Moldings, Exterior . . . . . 82
4-4-2 Hardtop Coupe (Model 4487) Convertible (Model 4467)	2-3 2-3	30 30	31 31	32 32	33 33	33 33	30 —	Police Car Equipment List . . . . . 67 Power Teams Chart . . . . . 104-105 Radio . . . . . 96 Room, Interior . . . . . 88 Seat Equipment . . . . . 90-91 Seat Types and Construction . . . . . 88-89 Severe Service Equipment List . . . . . 67 Steering System . . . . . 126 Stereo Tape Player . . . . . 96 Suspension System . . . . . 122-124
FULL-SIZE MODELS								
DELTA 88 Town Sedan (Model 5469) Hardtop Coupe (Model 5457) Hardtop Sedan (Model 5439)	4-5 4-5 4-5	34 34 34	35 35 35	36 36 36	37 37 37	37 37 37	34 — —	Trailer Towing Equipment List and Chart . . . . . 67-69 Transmissions . . . . . 116-118 Trunk . . . . . 78 Upholstery . . . . . 86 Ventilation, Body . . . . . 94 Wheels and Tires . . . . . 124-125 Wheel Covers and Sports Wheels . . . . . 85 Windows . . . . . 76
DELTA 88 CUSTOM Town Sedan (Model 6469) Hardtop Coupe (Model 6457) Hardtop Sedan (Model 6439)	4-5 4-5 4-5	38 38 38	39 39 39	40 40 40	41 41 41	41 41 41	38 — —	
DELTA 88 ROYALE Hardtop Coupe (Model 6647) Convertible (Model 6667)	4-5 4-5	42 42	43 43	44 44	45 45	45 45	42 —	
NINETY-EIGHT Coupe (Model 8437) Sedan (Model 8439)	6-7 6-7	46 46	47 47	48 48	49 49	49 49	— 46	
NINETY-EIGHT LUXURY Coupe (Model 8637) Sedan (Model 8639)	6-7 6-7	50 50	51 51	52 52	53 53	53 53	— 50	
TORONADO CUSTOM Coupe (Model 9657)	8-9	54	55	56	57	57	54	
CRUISERS (STATION WAGONS)								
CUTLASS CRUISER 2-Seat (L-6 Model 3536) 2-Seat (V-8 Model 3636)	10-11 10-11	58 58	59 59	64 64	65 65	65-66 65-66	— —	
VISTA-CRUISER 2-Seat (Model 4856) 3-Seat (Model 4866)	10-11 10-11	60 60	61 61	64 64	65 65	65-66 65-66	60 —	
CUSTOM CRUISER 2-Seat (Model 6835) 3-Seat (Model 6845)	10-11 10-11	62 62	63 63	64 64	65 65	65-66 65-66	62 —	

ALPHABETICAL INDEX . . . . . 131-132

OPTION NUMBER INDEX . . . . . 133-134

OLDSMOBILE . . . SINCE 1897



ALWAYS A STEP AHEAD!



# Cutlass Supreme Equipment and Specifications

## EXTERIOR

### STANDARD EQUIPMENT

All Exterior Equipment on Page 13, plus:  
Grilles, Twin Chrome Die-Cast  
Hood Insulation, Fiberglass  
Lamps, Bumper-Mounted Dual Tail-  
Moldings, Chrome Body-Side and Fender  
Moldings, Chrome Roof Drip (Sedan and  
Coupe)  
Molding, Chrome Trunk-Lid Edge  
Moldings, Chrome Wheel-Opening  
Top, Power . . . with Hydro-Electric  
Mechanism, Non-Ballooning Vinyl-  
Coated Fabric, Glass Window, Invisibly  
Fastened Vinyl Boot (Convertible)  
Wheel Hubcaps, Chrome  
Windshield Wipers, Recessed-Park

### AVAILABLE EQUIPMENT\*

Bumper Guards, Protective Front and  
Rear . . . with Vinyl Inserts (V36)  
Door Locks, Power (A13)  
Finish, Two-Tone Magic-Mirror (D99)  
(Sedan and Coupe)  
Hood Lock, Interior-Operated (T44)  
Mirror, Remote-Control Rearview (D33)  
Mirrors, Sports-Styled Rearview (D35)  
(Coupe and Convertible)  
Moldings, Chrome Door-Edge Guard (B93)  
Moldings, Chrome Side Window Sill (B85)  
(Coupe)  
Paint Stripes, Body-Side (Y70) (Coupe and  
Convertible)  
Roof-top Covering, Vinyl (C08) (Sedan and  
Coupe)  
Trunk-Lid Latch, Power (A90)  
Wheels, Super Stock I (P05)  
Wheels, Super Stock II . . . Cast-Gray  
Color (N66)  
Wheels, Super Stock III . . . Lower Body  
Color (N67)  
Wheel Discs, Chrome (P01)  
Wheel Discs, Deluxe (P02)  
Windows, Power Side (A31)  
Windows, Soft-Ray Tinted (A01)  
Window Defogger, Electric Rear- (C49)  
(Sedan and Coupe)  
Windshield, Soft-Ray Tinted (A02)  
Windshield Washer/Wiper, Shift-Lever-  
Controlled (C03)

SIZE AND WEIGHT:	Sedan	Coupe	Conv.
Overall length (in.)	207.6	203.6	203.6
Overall width (in.)	76.8	76.8	76.8
Loaded height (in.)	53.5	52.9	53.2
Shipping weight (lb.)	3586	3458	3527
Curb weight (lb.)	3690	3562	3631

## INTERIOR

### STANDARD EQUIPMENT

All Interior Equipment on Page 13, plus:  
Armrests, Deluxe Front and Rear . . . with  
Bright Accent Moldings and Backplates  
Ashtrays, Instrument-Panel and Rear-Arm-  
rest  
Cigar Lighter, Instrument-Panel  
Floor Carpeting, Nylon-Blend Loop-Pile  
. . . with Carpeted Cowl and Door  
Lower Panels, plus Front-Seat-Back  
Lower Panels in Sedan  
Headlining, Patterned-Vinyl (Sedan and  
Coupe)  
Instrument Panel, Intermediate-Car  
Instrument-Panel-Control Lighting (Con-  
vertible)  
Instrument-Panel Trim, Wood-Grain-Vinyl  
Lamp, Central Dome (Sedan and Coupe)  
Lamps, Instrument-Panel Courtesy and  
Map Lamps, and Rear-Armrest Courtesy  
(Convertible)

Seat, Custom Sport Front . . . with Center  
Armrest, Foam-Padded Cushion, and  
Bright Moldings (Sedan)  
Seat, Deluxe Bench Rear . . . with Foam-  
Padded Cushion  
Seats, Strato Bucket . . . with Foam-  
Padded Cushions and Bright Moldings  
(Coupe and Convertible)  
Steering Wheel, Deluxe  
Upholstery, All-Moroccan Madrid- and  
Elk-Grained or Madrid-Grained Moroccan  
and Prima Cloth (Coupe, Convert-  
ible)  
Upholstery, All-Moroccan Madrid- and  
Pebble-Grained or Prima and Eden  
Cloth (Sedan)  
Ventilation, Flo-Thru Body

### AVAILABLE EQUIPMENT\*

Air Conditioner, Four-Season (C60)  
Clock, Self-Regulating Electric (U35)  
Console, Sports (D55) (Coupe and Con-  
vertible)  
Console with Hurst Dual-Gate Shifter,  
Sports (W26) (Coupe and Convertible)  
Cruise Control, Automatic (K30)  
Floor Mats, Auxiliary Front (B32); Rear  
(B33)  
Instrument Cluster, Rocket Rallye Pac (U21)  
Instrument-Panel-Control Lighting (In Y60)  
(Sedan and Coupe)  
Lamp, Instrument-Panel Ashtray (In Y60)  
Lamps, Instrument-Panel Courtesy and  
Map (In Y60) (Sedan and Coupe)  
Lamp, Instrument-Panel Glove Compart-  
ment (In Y60)  
Lamps, Roof Rear-Quarter (In Y60) (Sedan  
and Coupe)  
Lamps, Trunk and Underhood (In Y60)  
Lamps and Mirrors Convenience Group  
(Y60)  
Mirror, Visor Vanity (In Y60)  
Mirror with Map Lamp, Rearview (In Y60)  
Radio, AM Pushbutton (U63)  
Radio, AM-FM Stereophonic Pushbutton  
(U58)  
Radio Speaker, Bi-Phonic Rear (U80)  
Seat, Custom Sport Front (A65) (Coupe and  
Convertible)  
Seat Adjuster, 4-Way Power (A41 or A46)  
Seat Lap and Front-Seat Shoulder Belts,  
Deluxe . . . with Color-Keyed Webbing  
and Brushed-Chrome Buckles (AKI)  
Seat Shoulder Belts, Deluxe Rear (A54)  
Steering Column, Tilt-Away (N33)  
Steering Wheel, Custom-Sport (N34)  
Stereo Tape Player (U57)

ROOM:	Sedan	Coupe	Conv.
Front seat headroom (in.)	38.1	37.7	38.5
Front seat legroom (in.)	41.6	41.4	41.4
Front seat hiproom (in.)	59.3	59.6	59.6
Front seat shoulder room (in.)	57.7	58.2	58.2
Rear seat headroom (in.)	37.1	36.3	36.9
Rear seat legroom (in.)	35.0	31.9	31.9
Rear seat hiproom (in.)	59.4	58.3	58.3
Rear seat shoulder room (in.)	57.3	55.7	55.7
Rear seat kneeroom (in.)	25.8	24.0	24.0
Trunk capacity (cu. ft.)	17.0	17.0	17.0

## POWER TRAIN

### STANDARD EQUIPMENT

All Power Train Equipment on Page 13,  
plus:  
Battery, 61-Ampere-Hour/66-Plate  
Clutch, Centrifugal-Action Diaphragm-  
Spring  
Delcotron, 37-Ampere

Drive, Rear . . . with Precision-Balanced  
Drive Shaft and Two Universal Joints  
Engine, Rocket 350 V-8 . . . with 4-Barrel  
Carburetor, Single Exhaust System  
Fuel Tank, 20-Gallon  
Transmission, Fully-Synchronized 3-Speed  
Column-Shift Manual

### AVAILABLE EQUIPMENT\*

Axle, Anti-Spin Rear (G80)  
Axle Housing Cover, Aluminum Rear- (W27)  
Axle Ratio: 2.56-, 2.73-, 3.08-, 3.23- or  
3.42-to-1 (See Page 105)  
Engine, Rocket 350 V-8 . . . with 2-Barrel  
Carburetor, Single Exhaust System (L65)  
Engine, Rocket 455 V-8 . . . with 4-Barrel  
Carburetor, Full Dual Exhaust Sys-  
tem (In Y79) (Coupe and Convertible)  
Engine-Cooling Equipment, Heavy-Duty  
(Y72)  
Exhaust System, Full Dual (N10)  
Performance Package (Y79) (Coupe and  
Convertible):  
• "SX" Front-Fender Emblems  
• 4-4-2 Rear Bumper  
Plus following required equipment:  
• Rocket 455 V-8 Engine with 4-Barrel  
Carburetor, Dual Exhausts (L32)  
• Turbo Hydra-matic 400 Transmission  
(M40)  
• Chrome Wheel Discs (P01 or P02) or  
Super Stock Wheels (N66, N67, or P05)  
Transmission, 3-Speed Floor-Shift Heavy-  
Duty Manual . . . with Hurst Shifter (M14)  
(Coupe and Convertible)  
Transmission, 4-Speed Floor-Shift Wide-  
Ratio Manual . . . with Hurst Shifter  
(M20) (Coupe and Convertible)  
Transmission, Turbo Hydra-matic 350  
(M38)  
Transmission, Turbo Hydra-matic 400  
(M40) (Coupe and Convertible)

## CHASSIS

### STANDARD EQUIPMENT

All Chassis Equipment on Page 13, plus:  
Shock Absorbers, Nylon-Sleeved  
Steering, Low-Friction Manual  
Suspension, Deep-Coil Front and Rear  
Spring  
Tires, F78 x 14" Blackwall Bias-Ply Belted  
Wheels, 14 x 6"

### AVAILABLE EQUIPMENT\*

Brakes, Power Front and Rear Drum (J50)  
Brakes, Power Front Disc and Rear Drum  
(JL2)  
Shock Absorbers, Firm-Ride (FG2)  
Shock Absorbers, Superlift Rear (G66)  
Steering, Vari-Ratio Power (N47)  
Suspension Package, Rallye (FE2) (Coupe  
and Convertible)  
Suspension System, Heavy-Duty (F41)  
Tires, G70 x 14" Blackwall Wide-Oval . . .  
with Raised White Letters (PK5) (Coupe  
and Convertible)  
Tires, G70 x 14" Single-White-Stripe Wide-  
Oval (PK8) (Coupe and Convertible)  
Tires, Dual-White-Stripe (P26)  
Wheels, 14 x 7" (PC2) (Coupe and Con-  
vertible)  
Wheels, Heavy-Duty (N99)

CHASSIS DIMENSIONS:	Sedan	Coupe	Conv.
Wheelbase (in.)	116.0	112.0	112.0
Front tread (in.)	59.7	59.7	59.7
Rear tread (in.)	59.0	59.0	59.0
Turning diameter (ft.)	41.2	40.0	40.0

\*For qualifications on availabilities, see Equipment  
Features Section under the appropriate item.



## 4-4-2 Identification



### SIDES

- Chrome Roof Drip Moldings (Coupe)
- Chrome Front-Fender "4-4-2" Emblems
- Body-Side Paint Stripes
- Rectangular Front and Rear Side-Marker Lamps
- Chrome Wheel-Opening Moldings
- Chrome Wheel Hubcaps



### FRONT

- Chrome Windshield Molding
- Chrome Hood Rear-Edge Molding
- Chrome Hood Louver Grilles
- Chrome Hood-Nose-Center Rocket Emblem
- Chrome Hood "Oldsmobile" Emblem
- Hood Paint Stripes
- Twin Recessed Black Grilles with Chrome "4-4-2" Emblem
- Dual Headlamps at Sides of Grilles
- Round Parking Lamps Inset in Bumper



### REAR

- Chrome Rear-Window Molding (Coupe)
- Trunk-Lid Paint Stripes
- Chrome Trunk-Lid Edge Molding
- Chrome Trunk-Lid "4-4-2" Emblem
- Bumper-Mounted Dual Taillamps
- Backup Lamps at Sides of License Recess in Bumper
- Exhaust-Cutout Rear Bumper

## 4-4-2 Advantages

### (4-4-2 Hardtop Coupe over Cutlass S Hardtop Coupe)

#### STANDARD EQUIPMENT

Bumper, Exhaust-Cutout Rear Grilles, Twin Black Recessed Moldings, Chrome Roof Drip Paint Stripes, Body-Side, Trunk-Lid, and Hood  
Instrument-Panel Trim, Wood-Grain-Vinyl  
Seats, Strato Bucket . . . with Foam-Padded Cushions and Bright Moldings  
Battery, 74-Ampere-Hour/90-Plate  
Drive Shaft, Heavy-Duty

Engine, Rocket 455 V-8 . . . with 4-Barrel Carburetor

Exhaust System, Full Dual

Suspension, Rallye Heavy Duty

Tires, G70 x 14" Single-White-Stripe Wide-Oval

Transmission, 3-Speed Floor-Shift Heavy-Duty Manual . . . with Hurst Shifter

#### AVAILABLE EQUIPMENT

Paint Stripes, Special Body-Side (In W30)

Engine, Special Rocket V-8 . . . with 4-Barrel Carburetor and Full Dual Exhaust System (In W30)

Clutch, Heavy-Duty 2-Plate (W37)

Performance Package (W30)

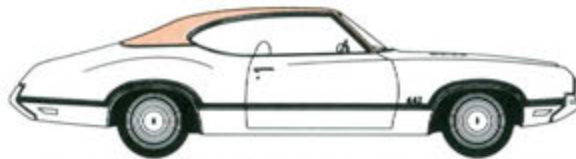
Transmission, 4-Speed Floor-Shift Close-Ratio Heavy-Duty Manual . . . with Hurst Shifter (M22)

Transmission, Turbo Hydra-matic 400 (M40)

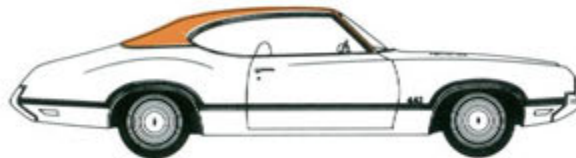
Brakes, Front Disc and Rear Drum (In W30)

## 4-4-2 Styling Features

### TWO-TONES



Chrome-Edged Vinyl Rooftop Covering (C08) (Coupe)



Two-Tone Magic-Mirror Finish (D99) (Coupe)

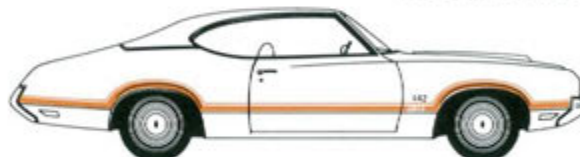
### PAINT STRIPES



Body-Side Paint Stripes (Std.)



Hood and Trunk-Lid Paint Stripes (Std.)



Special Body-Side Paint Stripes (In W30)



Dual-Panel Hood Paint (In W25 and W30)

### WHEEL COVERS AND WHEELS



Chrome Wheel Hubcaps (Std.)



Chrome Wheel Discs (P01)



Deluxe Wheel Discs (P02)



Super Stock I Wheels (P05)

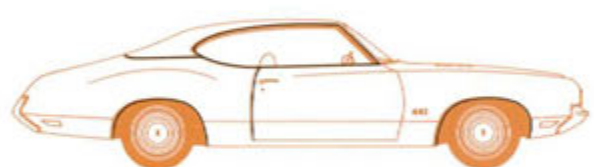


Super Stock II Wheels (N66)  
Cast-Gray Color



Super Stock III Wheels (N67)  
Lower Body Color

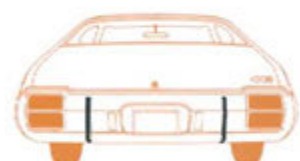
### CHROME MOLDINGS



Chrome Side-Window Sill Moldings (B85) (Coupe)

Chrome Door-Edge Guard Moldings (B93)

### BUMPER GUARDS



Protective Front and Rear Bumper Guards . . . with Vinyl Inserts (V36)

### TIRES



Single-White-Stripe Tires (PX8)



Blackwall Tires with Raised White Letters (PK5)

### SPORTS CONSOLES



Sports Console for Manual Transmission (D55)



Sports Console with Dual-Gate Shifter for Automatic Transmission (W26)



Sports Console for Automatic Transmission (D55)

### STEERING WHEELS

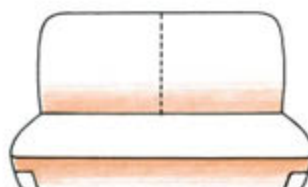


Deluxe Steering Wheel (Std.)



Custom-Sport Steering Wheel (N34)

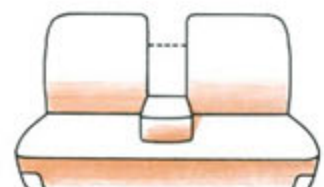
### FRONT SEATS



Deluxe Bench Front Seat (A52) (Coupe)



Strato Bucket Seats (Std.)



Custom Sport Front Seat (A65) (Convertible)



## 4-4-2 Models



4-4-2 Hardtop Coupe (Model 4487)



4-4-2 Convertible (Model 4467)



# 4-4-2 Equipment and Specifications

## EXTERIOR

### STANDARD EQUIPMENT

All Exterior Equipment on Page 13, plus:  
Bumper, Exhaust-Cutout Rear  
Grilles, Special 4-4-2 Twin Black Recessed  
Hood Insulation, Fiberglass  
Lamps, Bumper-Mounted Dual Tail-  
Louer Grilles, Chrome Hood  
Moldings, Chrome Roof Drip (Coupe)  
Molding, Chrome Trunk-Lid Edge  
Moldings, Chrome Wheel-Opening  
Paint Stripes, Hood, Body-Side, and Trunk-  
Lid.

Top, Power . . . with Hydro-Electric Mechanism, Non-Ballooning Vinyl-Coated Top  
Fabric, Glass Window, and Invisibly  
Fastened Vinyl Boot (Convertible)  
Wheel Hubcaps, Chrome  
Windshield Wipers, Recessed-Park

### AVAILABLE EQUIPMENT\*

Bumper Guards, Protective Front and  
Rear . . . with Vinyl Inserts (V36)  
Door Locks, Power (A03)  
Finish, Two-Tone Magic-Mirror (D99)  
(Coupe)  
Hood, Dual-Intake Force-Air Fiberglass  
(W25, and in W30)  
Hood Lock, Interior-Operated (T44)  
Mirror, Remote-Control Rearview (D33)  
Mirrors, Sports-Styled Rearview (D35)  
Moldings, Chrome Door-Edge Guard (B93)  
Moldings, Chrome Side-Window Sill (B85)  
(Coupe)  
Paint, Dual-Panel Hood (In W25 and W30)  
Paint Stripes, Special Body-Side (In W30)  
Rooftop Covering, Vinyl (C08) (Coupe)  
Spoiler, Rear-Deck (W35)  
Trunk-Lid Latch, Power (A90)  
Wheels, Super Stock I (P05)  
Wheels, Super Stock II . . . Cast-Gray  
Color (N66)  
Wheels, Super Stock III . . . Lower Body  
Color (N67)  
Wheel Discs, Chrome (P01)  
Wheel Discs, Deluxe (P02)  
Windows, Power Side (A31)  
Windows, Soft-Ray Tinted (A01)  
Window Defogger, Electric Rear-  
(Coupe)  
Windshield, Soft-Ray Tinted (A02)  
Windshield Washer/Wiper, Shift-Lever-  
Controlled (CD3)

SIZE AND WEIGHT:	Coupe	Conv.
Overall length (in.)	203.6	203.6
Overall width (in.)	76.8	76.8
Loaded height (in.)	52.9	53.2
Shipping weight (lb.)	3688	3731
Curb weight (lb.)	3792	3835

## INTERIOR

### STANDARD EQUIPMENT

All Interior Equipment on Page 13, plus:  
Armrests, Deluxe Front and Rear . . . with  
Bright Accent Moldings and Backplates  
Ashtray, Instrument-Panel  
Ashtrays, Rear-Armrest  
Cigar Lighter, Instrument-Panel  
Floor Carpeting, Nylon-Blend Loop-Pile  
Headlining, Patterned-Vinyl (Coupe)  
Instrument Panel, Intermediate-Car  
Instrument-Panel-Control Lighting (Con-  
vertible)  
Instrument-Panel Trim, Wood-Grain-Vinyl  
Lamp, Central Dome (Coupe)  
Lamps, Instrument-Panel Ashtray, Cour-  
tesy and Map Lamps, and Rear-Armrest  
Courtesy (Convertible)

Seat, Deluxe Bench Rear . . . with Foam-  
Padded Cushion  
Seats, Strato Bucket . . . with Foam-Padded  
Cushions and Bright Moldings  
Seat Adjuster, 2-Way Manual . . . for both  
bucket seats  
Steering Wheel, Deluxe  
Upholstery, All-Moroccan Madrid- and  
Derma-Grained or Madrid-Grained  
Moroccan and Excella Cloth (Coupe)  
Upholstery, All-Moroccan Madrid- and  
Elk-Grained or Madrid-Grained Moroccan  
and Prima Cloth (Convertible)  
Ventilation, Flo-Thru Body

### AVAILABLE EQUIPMENT\*

Air Conditioner, Four-Season (C60)  
Clock, Self-Regulating Electric (U35)  
Console, Sports (D55)  
Console with Hurst Dual-Gate Shifter,  
Sports (W26)  
Cruise Control, Automatic (K30)  
Floor Mats, Auxiliary Front (B32)  
Floor Mats, Auxiliary Rear (B33)  
Instrument-Cluster, Rocket Rallye Pac (U21)  
Instrument-Panel-Control Lighting (In Y60)  
(Coupe)  
Lamp, Console Rear Courtesy (In D55 and  
W26)  
Lamp, Instrument-Panel Ashtray (In Y60)  
(Coupe)  
Lamps, Instrument-Panel Courtesy and  
Map (In Y60) (Coupe)  
Lamp, Instrument-Panel Glove Compart-  
ment (In Y60)  
Lamps, Trunk and Underhood (In Y60)  
Lamps and Mirrors Convenience Group  
(Y60)  
Mirror, Visor Vanity (In Y60)  
Mirror with Map Lamp, Inside Rearview  
(In Y60)  
Radio, AM Pushbutton (U63)  
Radio, AM-FM Stereophonic Pushbutton  
(U59)  
Radio Speaker, Bi-Phonic Rear (U80)  
Seat, Custom Sport Front (A65) (Convertible)  
Seat, Deluxe Bench Front (A52) (Coupe)  
Seat Adjuster, 4-Way Power (A41 or A46)  
Seat Lap and Front-Seat Shoulder Belts,  
Deluxe . . . with Color-Keyed Webbing  
and Brushed-Chrome Buckles (AK1)  
Seat Shoulder Belts, Deluxe Rear- (A54)  
Steering Column, Tilt-Away (N33)  
Steering Wheel, Custom-Sport (N34)  
Stereo Tape Player (U57)

ROOM:	Coupe	Conv.
Front seat headroom (in.)	37.7	38.5
Front seat legroom (in.)	41.4	41.4
Front seat hiproom (in.)	59.6	59.6
Front seat shoulder room (in.)	58.2	58.2
Rear seat headroom (in.)	36.3	36.9
Rear seat legroom (in.)	31.9	31.9
Rear seat hiproom (in.)	58.3	58.3
Rear seat shoulder room (in.)	55.7	55.7
Rear seat kneeroom (in.)	24.0	24.0
Trunk capacity (cu. ft.)	17.0	17.0

## POWER TRAIN

### STANDARD EQUIPMENT

All Power Train Equipment on Page 13, plus:  
Battery, 74-Ampere-Hour/90-Plate  
Clutch, Centrifugal-Action Diaphragm-  
Spring  
Delcotron, 37-ampere C.S.I.  
Drive, Rear . . . with Heavy-Duty Pre-  
cision-Balanced Drive Shaft and Two  
Universal Joints

Engine, Rocket 455 V-8 . . . with 4-Barrel  
Carburetor and Full Dual Exhaust  
System  
Fuel Tank, 20-Gallon  
Transmission, 3-Speed Floor-Shift Heavy-  
Duty Manual . . . with Hurst Shifter

### AVAILABLE EQUIPMENT\*

Axle, Anti-Spin Rear (G80)  
Axle Housing Cover, Aluminum Rear-  
(W27)  
Axle Ratio: 2.56-, 2.73-, 3.08-, 3.23-,  
3.42-, or 3.73-to-1 (See Page 105)  
Clutch, Heavy-Duty 2-Plate (W37)  
Delcotron, 55-Ampere (In Y72)  
Engine, Special Rocket 455 V-8 . . . with  
4-Barrel Carburetor and Full Dual  
Exhaust System (In W30)  
Engine-Cooling Equipment, Heavy-Duty  
(Y72)

### Performance Package (W30)

- Rocket 455 V-8 Engine with Selected Parts
- 4-Barrel Carburetor with Special Air Cleaner
- Force-Air Engine Induction System
- Aluminum Intake Manifold
- Dual-Intake Force-Air Fiberglass Hood with Special Paint
- Special Body-Side Paint Stripes
- "W" Front-Fender Emblems
- Lightweight Body Insulation
- Manual Front Disc Brakes

### Plus following required equipment:

- Anti-Spin Rear Axle with 3.42- or 3.73-to-1 Ratio (G80)
- 4-Speed Floor-Shift Manual Transmission (M20 or M22) or Turbo Hydra-matic 400 Transmission (M40)
- G70 x 14" Blackwall Wide-Oval Tires with Raised White Letters (PK5)
- Sports-Styled Outside Rearview Mirrors (D35)

Transmission, 4-Speed Floor-Shift Wide-  
Ratio Manual . . . with Hurst Shifter (M20)  
Transmission, 4-Speed Floor-Shift Close-  
Ratio Heavy-Duty Manual . . . with  
Hurst Shifter (M22)  
Transmission, Turbo Hydra-matic 400  
(M40)  
Transmission Shifter, Hurst Dual-Gate  
(In W26)

## CHASSIS

### STANDARD EQUIPMENT

All Chassis Equipment on Page 13, plus:  
Shock Absorbers, Nylon-Sleeved  
Steering, Low-Friction Manual  
Suspension, Rallye Heavy-Duty Deep-Coil  
Front and Rear Spring  
Tires, G70 x 14" Single-White-Stripe Wide-  
Oval Bias-Ply Belted  
Wheels, 14 x 7"

### AVAILABLE EQUIPMENT\*

Brakes, Front Disc and Rear Drum (In W30)  
Brakes, Power Front Disc and Rear Drum  
(JL2)  
Shock Absorbers, Superlift Rear (G66)  
Steering, Vari-Ratio Power (N47)  
Tires, G70 x 14" Blackwall Wide-Oval  
. . . with Raised White Letters (PK5)

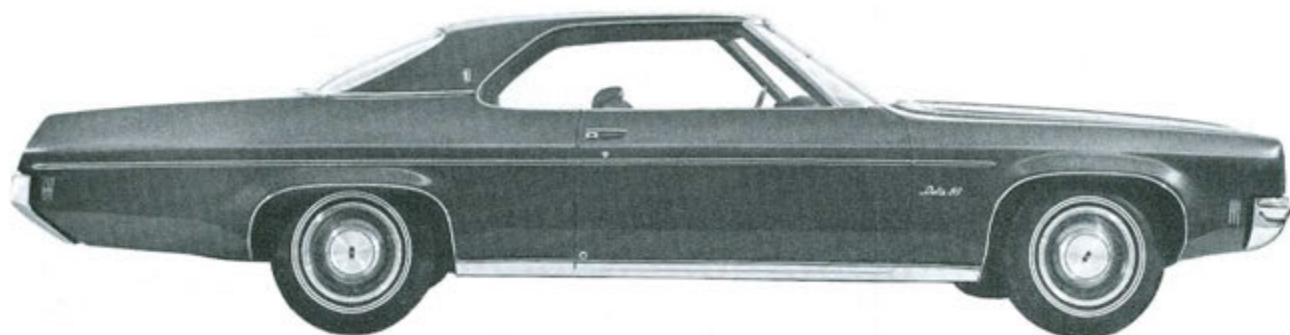
### CHASSIS DIMENSIONS:

Wheelbase (in.)	112.0
Front tread (in.)	59.7
Rear tread (in.)	59.0
Turning diameter (ft.)	40.0

\*For qualifications on availabilities, see Equipment Features Section under the appropriate item.



# Delta 88 Identification



## SIDES

- Chrome Roof Drip Moldings
- Chrome Front-Fender "Delta 88" Emblems
- Rectangular Front and Rear Side-Marker Lamps
- Chrome Rocker-Panel Moldings
- Chrome Wheel-Opening Moldings
- Chrome Wheel Discs



## FRONT

- Chrome Windshield Molding
- Chrome Hood Rear-Edge Molding
- Chrome Hood Center Molding
- Chrome Hood-Nose-Center Rocket Emblem
- Twin Chrome Die-Cast Delta 88 Grilles with "Oldsmobile" Emblem
- Dual Headlamps at Sides of Grilles
- Rectangular Parking Lamps Inset in Bumper



## REAR

- Chrome Rear-Window Molding
- Chrome Trunk-Lid Edge Molding
- Chrome Trunk-Lid "Oldsmobile" Emblem
- Bumper-and-Fender-Mounted Tail-lamps with Rocket Emblem
- Backup Lamps at Sides of License Recess in Bumper

## Delta 88 Advantages

(Delta 88 Town Sedan over Cutlass Town Sedan)

### STANDARD EQUIPMENT

Grilles, Delta 88 Twin Chrome Die-Cast Hood Latch, Interior-Operated Lamps, Bumper-and-Fender-Mounted Single Tail-Molding, Chrome Hood Center Moldings, Chrome Roof Drip Wheel Discs, Chrome Ashtrays, Dual Instrument-Panel Instrument Panel, 88 Instrument-Panel-Control Floodlighting Instrument-Panel Trim, Wood-Grain-Vinyl Lamps, Instrument-Panel Ashtray Seat, Full-Foam Deluxe Bench Front . . . with Full-Foam Cushion and Backrest, and Bright Moldings

Seat, Full-Foam Deluxe Bench Rear . . . with Foam-Padded Cushion and Full-Foam Backrest Upholstery, Madrid-Grained Moroccan and Eden Cloth Delcotron, 42-Ampere Brakes, Power Front Disc and Rear Drum Shock Absorbers, Supershock Steering, Vari-Ratio Power Tires, H78 x 15" Blackwall Bias-Ply Belted Wheels, 15 x 6" Wheelbase, 124-Inch

### AVAILABLE EQUIPMENT

Lamps, Cornering (T87) Moldings, Chrome Side-Window Sill (B85) Air Conditioner, Comforton (C61)

Floor Mat, Heavy-Duty Rubber Trunk (B36) Headlamp Off-Delay Control, Night-Watch (T81) Indicator, Low-Fuel (U41) Radio and Stereo Tape Player, AM Pushbutton (UM1) Radio and Stereo Tape Player, AM-FM Stereophonic Pushbutton (UM2) Safety Sentinel and Trip Odometer (UB7) Seat Adjuster, 6-Way Power (A42) Engine, Rocket 455 V-8 . . . with 2-Barrel Carburetor and Single Exhaust System (L30) Engine, Rocket 455 V-8 . . . with 4-Barrel Carburetor and Single Exhaust System (L31) Transmission, Turbo Hydra-matic 400 (M40)



4-4-2  
CUTLASS SUPREME  
CUTLASS  
F-85  
STATION WAGONS

**OWNER'S MANUAL  
1971 OLDSMOBILE**

**Important Operating, Safety and Maintenance Instructions**



## A WORD TO OLDSMOBILE OWNERS

This manual has been prepared to acquaint you with the operation and maintenance of your 1971 Oldsmobile, and to provide important safety information. We urge you to read it carefully and follow recommendations contained to help assure the most enjoyable and troublefree operation of your vehicle.

When it comes to service, remember that your Oldsmobile Dealer knows your vehicle best and is interested in your complete satisfaction. Return to him for Guardian Maintenance Service and any other assistance you may require.

To assist dealers in handling your needs, Oldsmobile maintains a number of Zone Offices throughout the country. Should

you have a problem that cannot be handled through normal channels, follow the procedure presented in Section Nine of this manual under the heading "Owner Relations".

Regarding warranty, your Oldsmobile, when purchased new is covered by the Oldsmobile New Vehicle Warranty and the Policy on Oldsmobile Owner Service. Complete details will be found in the 1971 Oldsmobile New Vehicle Warranty and Policy on Owner Service folder which was given to you by your dealer at the time of new car delivery.

We would like to take this opportunity to thank you for choosing an Oldsmobile product -- and assure you of our continuing interest in your motoring pleasure and satisfaction.

OLDSMOBILE DIVISION



General Motors Corporation



Lansing, Michigan 48921

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FOR MAXIMUM PERFORMANCE AND ECONOMY KEEP  
YOUR GM CAR ALL GM. SPECIFY GENERAL MOTORS  
PARTS IDENTIFIED BY ONE OF THESE TRADE-MARKS:

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The GM logo consists of the letters "GM" in a bold, sans-serif font, with a horizontal line underneath the "M".

United Delco



# OWNER'S MANUAL 1971 OLDSMOBILE



4-4-2  
CUTLASS SUPREME  
CUTLASS  
F-85  
STATION WAGONS

OLDSMOBILE DIVISION  
General Motors Corporation  
Lansing, Michigan 48921

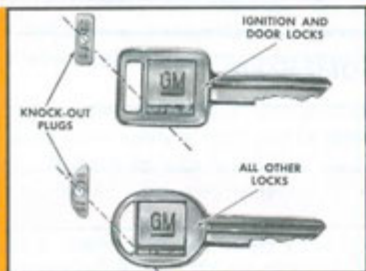
All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

## TABLE OF CONTENTS

Section	Page No.
1. Before Driving Your Oldsmobile . . . . .	2
2. Starting and Operating . . . . .	10
3. Safety Checks . . . . .	36
4. In Case of Emergency . . . . .	40
5. Appearance Care . . . . .	43
6. Service and Maintenance . . . . .	47
7. Air Pollution Control Systems . . . . .	60
8. Maintenance Schedule . . . . .	64
9. Specifications, Owner Relations, Zone Offices, Index . . . . .	66

## BEFORE DRIVING YOUR OLDSMOBILE

### Keys



Two separate keys are provided for your car. Each key has a different cross section so that it can be inserted only in certain locks.

- Key with square head (stamped "A") — for ignition switch, door locks, and station wagon tailgate.
- Key with oval head (stamped "B") — for all other locks.

The code number of each key is stamped on the "knock out" plug in the key head. Your Oldsmobile dealer removed these

plugs and placed them with the spare set of keys in the special key envelope that was given to you at time of delivery. For your protection:

- Record the numbers on the key envelope and discard the key plugs.
- Keep the key envelope in a safe place such as your wallet, NOT IN THE CAR.

In the event the original keys are lost, duplicates can be made by your dealer or a locksmith using the key code information.

Be sure to lock the glove box compartment and remove the key from the car whenever it is necessary to leave the ignition key with an attendant.

### Door Locks

Front and rear side doors can be locked from the inside by depressing the passenger guard door lock buttons located on the

upper door panel. All doors can be locked from the outside by depressing the door lock button and closing the door.

The front doors can also be locked by using the square headed key.

*REMINDER: Always lock the doors when driving for greater security in the event of an accident and for security against unauthorized entries.*

### Power Door Locks



The power-operated door-lock system (optional equipment) makes it possible to lock and unlock all doors simultaneously. The switch buttons that operate the Power Door Locks, are located on the upper portion of both front door panels. These buttons give instant, convenient, fingertip control of all door locks. Coupes and convertibles equipped with optional power door locks also feature a device to automatically unlock the front seat backs when a door is opened.



## Trunk Compartment

The trunk compartment lock can be opened with the oval-end key and the counter-balanced trunk lid lifted upward. To close, the lid must be shut firmly to engage the lock. The spare wheel and wheel changing tools are located in the trunk.

## Front Seat-Back Latch

Folding seat backs are equipped with self-latching mechanisms and release controls designed for the convenience of entering and exiting passengers. The seat back latch prevents the seat back from folding forward under loads equal to more than 20 times the weight of the seat back.



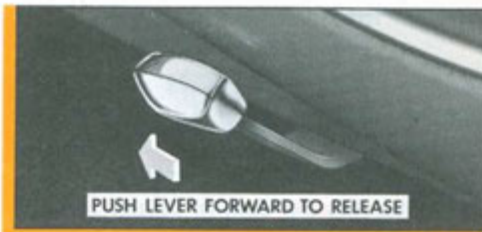
To release the latch on the Strato design seat, push the button located in the upper center rear section of the backrest and tilt the backrest forward. The latch release lever for the standard bench seat is located on the lower rear outboard section of the backrest. Lift the lever to release and tilt the backrest forward.

On 2-door models equipped with optional power door locks, both front seat-backs unlock automatically when either front door is opened and lock when both doors are closed. The seat-backs also can be unlocked by lifting up on the manual release lever.

## Manual Seat Adjustment

The front seat should be positioned to provide the driver access to the foot pedals, steering wheel, instrument panel switches and for the best driving visibility.

- Adjust the seat by releasing the seat lock mechanism lever located at the lower side of the seat.



- Once released, exert slight body pressure to move the seat forward or rearward.
- Release the lever to lock seat in desired position.
- Test seat to make certain it is securely locked.

**CAUTION:** Do not adjust a manually operated driver's seat while the car is moving — the seat could move unexpectedly, causing loss of control.

## Power Operated Seats

**Four-Way Electric**—An electric combination four-way tilt type control is available on bucket seat equipped Oldsmobiles, on the driver's side only, as optional equip-



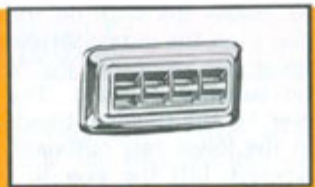
ment. Moving the control switch forward and backward will provide corresponding movement of the entire front seat assembly. Moving the switch up or down will raise or lower the back portion of the seat assembly.

## Manual Window Control

Rotate manual window control clockwise to raise right window and counterclockwise to raise left window. Reverse direction of the window control to lower windows.

**CAUTION:** The filler panel between the rear seat and the rear window should not be used for storage — even of light weight, small articles. They might become dangerous projectiles during a collision or sudden stop. Larger items may also reduce vision to the rear.

## Power Window Controls



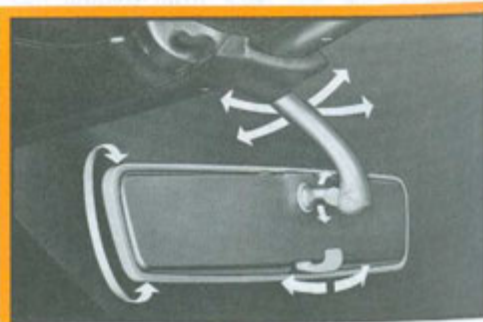
With this optional power operated window system, all vertical moving windows (except the Station Wagon tailgate window) are controlled by the power window control switches located on the left front door. Individual switches are provided under each window for passenger use. All of these switches have an ignition interlock so that windows cannot be operated unless the ignition switch is in the "ON" position.

## Rearview Mirrors

Rearview mirrors are not intended for use while backing up, or for surveillance of conditions close to the rear of the car. It is suggested that the driver turn his head and look to the rear during backing operations.

## INSIDE REARVIEW MIRROR

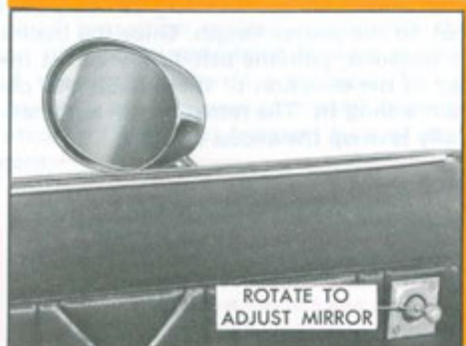
- Inside mirror has day/night control to change reflectivity.
- Switch mirror to night position to reduce glare from following headlights. To raise or lower, grasp mirror and exert sufficient pressure by pushing or pulling to move mirror support rod toward or away from windshield, and up or down. The upper ball joint, where the support rod meets the roof, and the knee joint at the lower end of the rod work together to permit setting the mirror at a variety of heights.



**Outside Mirror** — Adjust for most effective view to rear in lane to your left.

*REMINDER: While the car is being driven, avoid hanging objects on the right hand coat hook in such a way that you block the driver's vision to the right rear quarter.*

**Remote Controlled Mirror** — The control lever for this optional outside rearview mirror is located on the door. To adjust the position of the mirror, simply move the lever in the direction desired.



## Head Restraints

Head restraints are designed to help reduce injuries due to "whiplash."



- Select the position - up or down - which places the top of the head restraint closest to the top of your ears.
- Do not use head restraint above the up detent position.
- Head restraint can be raised by pulling up until you feel the spring latch seat in the detent position.
- To lower, release latch at base of supporting rod and push down on restraint.

- Do not operate vehicle with head restraints removed.
- Head restraint will help protect rear seat passengers by shielding head restraint mounting hardware on front seat back from impact by rear seat passenger.

## Sun Visor Adjustment

The force required to rotate the visor up and down may be adjusted by tightening or loosening the screw indicated in the illustration.

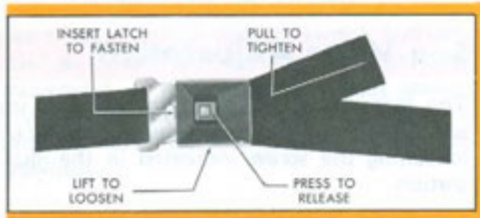


The visors may be lifted out of the center mounting and swung toward the door windows to prevent glare from the sides.



## Occupant Restraint Belts

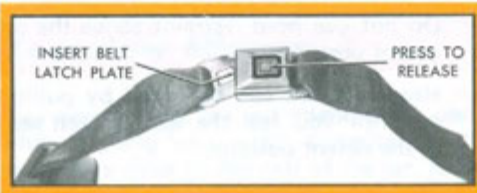
Lap and shoulder belts provide added security and comfort for you and your passengers. Proper use and care of these belts will assure continuance of this security.



**Lap Belts** — After the front seat has been adjusted to the satisfaction of the driver, sit erect and well back in the seat, grasp the buckle end and the flat metal "eye" end of your individual belt assembly and position the belt across the lap as **LOW ON THE HIPS AS POSSIBLE**. Insert the metal eye into the open end of the buckle until an audible snap is heard. Make sure the connection is secure and, to reduce the risk of sliding under the belt, adjust it to a **SNUG FIT** by pulling on the end of the belt ex-

tending from the buckle. The snug and low positions are essential in order that the force exerted by the lap belt in a collision will be spread over the strong hip bone structure and not across the soft abdominal area which could result in serious injury.

For retractor-equipped belts, pull the retractor half of the belt out to a solid stop to make sure the belt webbing is completely unwound from the retractor; then connect the belt and make the necessary adjustments at the buckle for proper fit. To lengthen a lap belt, place the buckle at right angles to the belt webbing. The belt will then slide easily through the buckle. To unfasten the lap belt, simply depress the push button located in the center of the buckle.



Automatic-locking lap belt retractors are

provided for the added convenience of the driver and outboard front seat passenger as an extra cost option. The automatic-locking retractors adjust and lock the lap belts into position automatically after fastening.

To fasten a lap belt equipped with an automatic-locking retractor, pull the webbing across the lap far enough to permit inserting the flat metal "eye" end into the buckle. If the webbing is not initially pulled out far enough to permit buckling, release the webbing, allowing it to rewind in the retractor and release the locking mechanism, so the webbing can be pulled out to the proper length. Once the buckle is fastened, pull the belt firmly across the lap in the direction of the retractor to obtain a snug fit. The retractor will automatically take up the excess webbing.

**CAUTION:** Never use the same belt for more than one person at a time. Be sure to avoid: (a) wearing a lap belt loosely or with slack in the belt system; (b) wearing the belt with the webbing not fully extracted from a non-locking retractor; or (c) wearing the belt in a twisted condition or pinched between the seat structural (metallic) members.



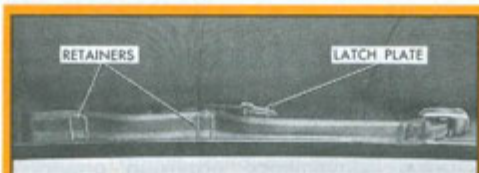
**Shoulder Belts** — When properly worn with a lap belt, a shoulder belt can provide additional protection against impact with the car interior by restraining forward motion of the upper torso in a collision. This is primarily true in case of frontal impacts, which are the most frequent type of accident.

**CAUTION:** The use of a shoulder belt is not recommended for a person less than 4 feet 7 inches in height because the belt could substantially increase the danger of neck injury in a collision. To avoid improper force distribution, the shoulder belt should not be worn under the arm.

Shoulder belts are fastened and unfastened in the same manner as lap belts. A shoulder belt should have sufficient slack to insert a fist's width between your chest and the belt. This can be checked by inserting a clenched fist between the belt and your chest with thumb against chest and back of hand facing upward.

**CAUTION:** Shoulder belts should be attached only to belt ends inboard of the occupant (toward center of car). Serious injury could result in an accident if the shoulder belt is attached to the outboard belt-end. Wearing a shoulder belt without a lap belt could be extremely hazardous to the wearer in case of an accident. The driver's shoulder belt should be adjusted so the driver can reach essential operating controls without undue restraint.

When not in use, shoulder belts should be secured in the special storage convenience provision, to reduce the danger of the



metal end striking an occupant in a sudden stop. When storage provisions are not provided, the loose end mounted on the upper structure should be fastened to the floor-mounted end, and adjusted to remove excess slack.

Passengers in the rear seat of a convertible must remove any shoulder belts **BEFORE** the top is lowered. Rear shoulder belts require readjustment after the top has been either lowered or raised.

## SEAT BELT INSPECTION AND CARE

- Keep sharp edges and damaging objects away from belts.
- Periodically inspect belts, buckles, retractors, and anchors for damage that could lessen the effectiveness of the restraint system.
- Have questionable parts replaced.
- Replace belts if cut, weakened, frayed, or subjected to collision loads.
- Check that anchor mounting bolts are tight to the floor.



- Keep seat belts clean and dry.
- Clean only with mild soap solution and lukewarm water.
- Do not bleach or dye belts since this may severely weaken belts.



## CHILD RESTRAINT

Children in automobiles should be restrained to lessen the risk of injury in accidents, sudden stops or other driving conditions. General Motors has designed an "INFANT SAFETY CARRIER" specifically for infants and a "CHILD SAFETY SEAT" specifically for small children, which are available from your Oldsmobile

dealer. The Carrier and Child Seat are designed to utilize lap belts in your 1971 Oldsmobile.

The General Motors Infant Safety Carrier and the Child Safety Seat must be used only in passenger vehicle seats equipped with lap belts. They must be used only on front or rear seats which do not fold or on folding seats equipped with a latch to hold the seat back upright (Standard on 1967 and later model GM passenger vehicles). In using either Carrier or Child Seat, read and comply with all installation and usage instructions. Do not place more than one child at a time in the Carrier or Child Seat.

The Carrier is designed for use only with infants weighing up to 20 pounds. The Child Seat is designed for use only by children weighing up to 30 pounds and who are able to sit up by themselves. All unused seat belts near the Carrier or Child Seat should be stowed properly to help prevent them from striking the child in the event of a sudden stop or collision. Shoulder belts should be stowed in any special storage convenience provision provided.

Lap belts and shoulder belts without storage provisions should have buckles latched and belts adjusted to remove slack.

**Cars Not Equipped With Special Child Restraints** — If a child is traveling in a vehicle not equipped with a General Motors Infant Safety Carrier or Child Safety Seat, the following precautions should be taken:

(1) Children should be placed in the rear seat. Never allow a child to stand or kneel on any seat.

(2) Infants unable to sit up by themselves should be restrained by placing them in a covered, padded bassinet which is placed crossways in the vehicle (widthwise) on the rear seat. The bassinet should be securely restrained with the regular vehicle seat belts. An alternate method is to position the bassinet so that it rests against the back of the front seat, again crossways in the vehicle.

(3) When a child is old enough to sit up by himself in a car, he should sit on a firm cushion and use the conventional lap belt to restrain him at the hips. The cushion should be as firm as practical and just high



enough to enable the child to look horizontally out of the car windows.

(4) The use of the cushion should be discontinued as soon as the child is old enough to see out of the car windows without it.

(5) Do not use shoulder belts on children shorter than approximately 4 feet 7 inches in height.

(6) General Motors recommends that children be restrained when riding. However, if conditions require that a child must stand, he should stand on the floor directly behind the front seat. This will minimize the possibility of his being thrown from the rear compartment during a sudden stop. This method should be used only if more complete restraint cannot be used.

## Trailer Hauling

Since passenger cars are designed and intended to be used primarily as passenger conveyances, towing a trailer will affect handling, durability and economy. Maximum safety and satisfaction depends upon

proper use of correct equipment and avoiding overloads and other abusive operation.

The maximum loaded trailer weight which you can pull with your Oldsmobile depends on what special equipment has been installed on your car. Oldsmobile does not recommend towing any trailer unless the car is properly equipped. Information on trailer hauling capabilities, special equipment required, and optional equipment offered by Oldsmobile is available from your Oldsmobile Dealer or by writing to Oldsmobile Division, Customer Service Dept., Lansing, Michigan 48921.

Usage of bumper hitches is not recommended; however, rental installations may be made if in accord with proper installation and usage instructions of a reputable trailer rental agency. Axle mounted hitches should not be used.

To assist in attaining good handling of the car-trailer combination, it is important that the trailer tongue load be maintained at approximately 10% of the loaded trailer weight. Tongue loads can be adjusted by

proper distribution of the load in the trailer, and can be checked by weighing separately the loaded trailer and then the tongue.

When towing trailers, tires should be inflated to the "standard" inflation pressures shown on the placard affixed to the inside of the glove box door. The allowable passenger and cargo load, also shown on the same placard, is reduced by an amount equal to the trailer tongue load on the trailer hitch.

**MAINTENANCE** — More frequent vehicle maintenance is required when using your car to pull a trailer. Change the:

- Automatic transmission fluid each 12,000 miles,
- Engine oil each 60 days or 3,000 miles, whichever occurs first,
- Positive crankcase ventilation valve each 12 months or 12,000 miles, whichever occurs first.
- Anti-Spin differential lubricant each 12,000 miles.

**BREAK-IN SCHEDULE** — In addition to the new car break-in instructions in this manual, it is recommended that your new Oldsmobile be operated for 500 miles before trailer towing. If it is necessary to tow during this period, avoid speeds over 50 MPH and full throttle starts. The same precautions should be observed whenever a new engine, transmission or axle is installed in your car.

**CAUTIONS:**(1) A frame mounted load equalizing hitch with sway control of sufficient capacity is required for trailers over 2,000 lbs. loaded weight.

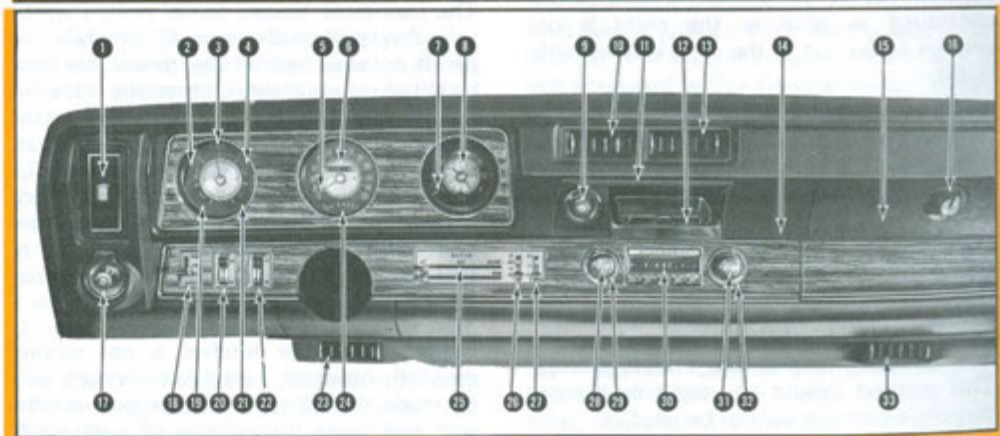
(2) Do not use Axle-mounted hitches. They can cause damage to the axle housing, wheel bearings, wheels or tires.

(3) Trailer brakes are required on trailers over 1,000 lbs.

(4) Do not tap into the car's hydraulic brake system to couple with a trailer hydraulic brake system. Master cylinder fluid capacity may not be sufficient to operate both car and trailer brakes.

(5) Whenever a trailer hitch is removed, be certain to have any mounting holes in the underbody properly sealed to prevent possible entry of exhaust fumes, dirt or water.

## STARTING & OPERATING



### Instrument Panel

The instruments, gauges and warning lights, which are conveniently grouped in the instrument panel are designed to give the operator important information on the car's performance.

**REMINDER:** A good driver familiarizes himself with the controls of any automobile **BEFORE** operating it.



1. Air Conditioning Outlet
2. Brake System Warning Indicator
3. Fuel Gauge
4. Engine Temperature (HOT) Indicator
5. Speedometer
6. Odometer
7. Engine Tachometer
8. Electric Clock
9. Cigar - Cigarette Lighter
10. Left Center Air Conditioning Outlet
11. Ash Tray Door
12. Ash Tray
13. Right Center Air Conditioning Outlet
14. Courtesy Light Switch
15. Glove Box Door
16. Rotary Glove Box Lock and Latch
17. Driving and Dome Light Switch
18. Windshield Wiper and Washer Switch
19. Charging System Indicator
20. Cruise Control ON - OFF Switch
21. Oil Pressure Warning Indicator
22. Convertible Top or S/W Rear Window Switch
23. Left Lower Air Conditioning Outlet
24. Automatic Transmission Shift Indicator
25. Heater or Air Conditioning Controls
26. Fan Control Switch
27. Rear Window Defogger Switch
28. Radio ON - OFF and Volume Control
29. Radio Tone Control
30. Radio Dial and Station Selector Buttons
31. Radio Manual Station Selector
32. Rear Seat Speaker Fader Control
33. Right Lower Air Conditioning Outlet

## New Car Operating Speeds

Driving speeds for your new Oldsmobile should be limited to a maximum of 50 miles per hour for the first 100 miles and 65 miles per hour for the next 400 miles with no heavy throttle accelerations. If most of your driving is of the around-town variety, which is considered "severe service" especially in cold weather, be sure to include some 25 to 50 mile highway trips during the break-in period and vary the car's speed.

## Engine Exhaust Gas Caution (Carbon Monoxide)

Avoid inhaling exhaust gases because they contain carbon monoxide, which by itself is colorless and odorless. Carbon monoxide is a dangerous gas that can cause unconsciousness and is potentially lethal.

The best protection against carbon monoxide entry into the car body is a properly maintained engine exhaust system, car body and body ventilation system. If you

notice a change in the sound of the exhaust system, if exhaust fumes are smelled or detected in any other way inside the vehicle, or if exhaust system or the underside or rear of the vehicle is damaged, have a competent mechanic inspect the complete exhaust system and nearby body areas and trunk lid for broken, damaged, missing or mispositioned parts, open seams, holes, or loose connections or other deterioration which could permit exhaust fumes to seep into the trunk or passenger compartment. Dust or water in the trunk may be an indication of a problem in one of these areas.

To allow proper operation of ventilation system, remember to keep front ventilation inlet grille clear of snow, leaves or other obstruction at all times.

It is recommended that the vehicle be inspected as outlined above each time the vehicle is raised for lubrication or oil change. If at any time you suspect that exhaust fumes are entering the passenger compartment, have the cause determined and corrected as soon as possible. If you must drive under these conditions, drive

only with all windows fully open. Use genuine GM parts recommended for your vehicle, or equivalent. (See also exhaust system check in the Safety Checks section of this manual.)

**Sitting in a parked car with engine running for an extended period of time is not recommended.**

Do not run engine in confined areas such as garages any more than needed to move vehicle in or out of area. When vehicle is stopped in an UNCONFINED area with the engine running for any more than a short period, the following precaution should be observed:

- Adjust heating or cooling system to force outside air into car with blower set at medium or high speed, and controls set in any position except "MAX" or "OFF".

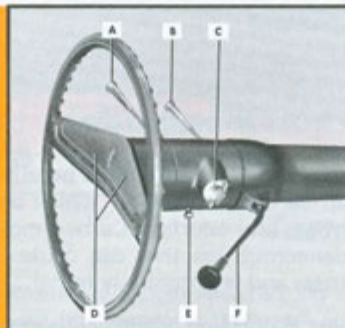
The trunk lid should be closed while driving to help prevent inadvertently drawing exhaust gases into the car. It is unwise to drive at high speeds for long durations with

the trunk lid open. However, if for some reason the trunk must remain open for a period while moving, or electrical wiring or other cable connections to a trailer must pass through the seal between trunk lid and body, the following precautions should be observed:

- Close all windows.

- Adjust heating or cooling system to force outside air into car with blower set at high speed, and controls set in any position except "MAX" or "OFF".
- On cars equipped with outside air vents in or under instrument panel, open vents fully.

## Steering Column Controls

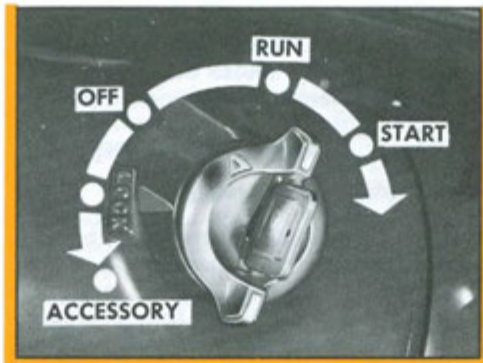


- A — Turn Signal Lever
- B — Tilt-Away Steering Wheel Lever
- C — Ignition Switch
- D — Horn Blower Pad
- E — Hazard Warning Flasher Button
- F — Transmission Selector Lever

## Anti-Theft Steering Column Lock

The anti-theft lock, located on the right side of the steering column, has five positions:

- **Accessory** — Permits operation of electrical accessories when the engine is not running. To engage, push key in and turn toward you (counterclockwise).
- **Lock** — Normal parking position. Locks ignition and provides added theft protection by preventing normal operation of steering wheel and shift controls. Key cannot be returned to "lock" position and removed until transmission is placed in "park" (automatic transmission models) or in reverse on manual transmission models.
- **Off** — Permits turning engine off without locking steering wheel and shift controls.
- **Run** — Normal operating position.
- **Start** — Permits engagement of starter.



*NOTE: The anti-theft steering column lock is not a substitute for the parking brake. Always set the parking brake when leaving the car unattended.*

### When parking —

- Always let go of steering wheel before turning ignition key to lock position.
- When parking on a hill with wheels turned toward curb, be sure car has come to complete stop before turning key to lock position.

Turning wheels after car has stopped "winds up" steering system, which can result in a "spring back" of the steering wheel when the steering column lock is released. As a further precaution, never reach through the steering wheel for any reason.

### When leaving your car unattended, —

- Set parking brake.
- Place automatic transmission selector in Park (Reverse for manual transmission).
- Turn key to LOCK position.
- Remove key (the buzzer will remind you).
- Lock all doors.

## Starting the Engine

### AUTOMATIC TRANSMISSION MODELS

1. Apply the foot brake.
2. Place transmission selector in "P" or "N" ("P" preferred). A starter safety



switch prevents starter operation while the transmission selector is in any drive position. (If it is necessary to re-start the engine with the car moving, place the selector lever in "N".)

3. Depress accelerator pedal and activate starter as outlined below for different conditions.

- **Cold Engine** — Fully depress accelerator pedal and slowly release. With foot off the pedal, crank the engine by turning the ignition key to the "Start" position — release when engine starts.

If engine starts, but fails to run, repeat this procedure. When engine is running smoothly, the idle speed may be reduced by slightly depressing the accelerator pedal and then slowly releasing.

- **Warm Engine** — Depress accelerator pedal about halfway and hold while cranking the engine.
- **Extremely Cold Weather** (Below 0°F.) or **After Car Has Been Standing Idle Several Days** — Fully depress and release accelerator pedal two or three times be-

fore cranking the engine. With foot off the accelerator pedal, crank the engine by turning the key to the "Start" position and release when engine starts.

## MANUAL TRANSMISSION MODELS

1. Apply the parking brake.
2. Hold clutch pedal to the floor throughout the starting procedure. A starter interlock prevents starter operation when the clutch is not fully depressed. (Select the proper gear position before releasing the clutch pedal.)
3. Operate accelerator pedal and starter as outlined in Step 3 (under Automatic Transmission Models).

## IF ENGINE FAILS TO START

Using the appropriate procedure above, first, fully depress and release the accelerator pedal several times. Then remove foot from the accelerator and crank the engine.

- If the engine still does not start, fully depress the accelerator pedal and hold to the floor while cranking the engine.

- If the engine has been flooded with gasoline it may start to run but not have enough power to keep running. In that case, continue cranking with the accelerator fully depressed until the engine clears itself of excess gasoline and runs smoothly.

## Automatic Transmission

The shift indicator is located on the instrument panel just above the steering column and the selector lever on the right side of the steering column. On models with consoles, the shift indicator and selector lever are located on the console control panel. When shifting to "Park," "R," "S," or "L" position with the console shift, the ball on the shift lever must be depressed.





- **"Park"** — A positive transmission lock when parking or while starting the engine. Pull the selector lever towards you (column shift) or press the button on selector lever (console shift) to select or release this position. Never move the selector lever to "Park" position unless the car is completely stopped.
- **"R" Reverse** — For backing the car. Bring the car to a complete stop before moving the selector lever into reverse.
- **"N" Neutral** — The out-of-gear position. It is provided for starting a stalled engine while the vehicle is in motion and for running the engine while standing with the brakes applied. Do not coast in neutral.
- **"D" Drive Range** — The driving range for normal city and highway driving. This position permits the transmission to operate through its complete range of gear ratios and to select the proper ratio for road and load conditions.
- **"S" Super Range** — Used when super performance is needed for increased ac-

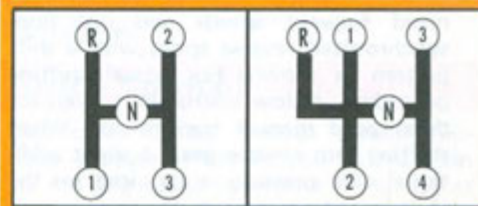
celeration in traffic, hill climbing or "engine braking" downhill. The selector lever may be moved from "D" to "S" and vice versa, under most operating conditions. "Super" should not be used at speeds above 75 mph.

- **"L" Low** — For heavy pulling through mud or sand and for "engine braking" when descending steep hills. The selector lever may be moved to "L" position at any speed but the transmission will only shift automatically into low range when car speed is under approximately 40 mph. The transmission will not upshift from low range as long as the selector lever is in "L" position.

*REMINDER: Before descending a steep or long grade, down a mountain or hillside, reduce speed and shift into a lower gear. Use the brakes sparingly to prevent them from overheating and thus reducing brake effectiveness.*

- **Forced Downshift** — When quick power or acceleration is desired to pass moving vehicles or to climb steep grades at speeds between approximately 35 and

65 mph, the transmission can be downshifted by depressing the accelerator pedal completely to the floor. It is also possible to obtain a forced downshift in "Drive" range at speeds under 35 mph by depressing the accelerator pedal part way down.



## Manual Transmissions

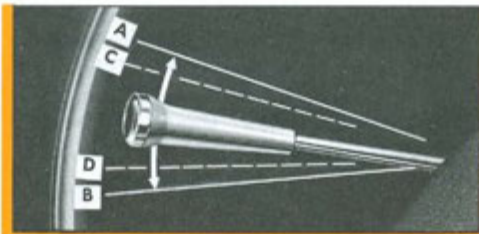
- **Three-Speed** — All forward gears on the Oldsmobile 3-speed manual transmission are fully synchronized. This transmission is shifted through the standard "H" pattern as shown in the illustration. Before shifting into any gear, depress the clutch pedal and then shift into the desired gear. In first and reverse gears, release the clutch pedal slowly while simultaneously depressing the accelerator pedal.

In second and third gears, release the clutch a little faster. This reduces the wear on the clutch and provides smoother operation.

- **Four-Speed** — The four-speed fully-synchronized manual transmission is optional equipment. It has four synchronized forward speeds and one non-synchronized reverse speed with a shift pattern as shown. For actual shifting procedure, follow instructions given for three-speed manual transmission. When shifting into reverse gear, a slight additional side pressure is required on the shift lever to move it to the reverse position.

#### OPERATING CAUTIONS:

1. Do not "speed shift," allow time between shifts for the transmission synchronizers to coordinate.
2. Do not use second, third or fourth gear to accelerate from a stop.
3. Always place gear selector in neutral and set the foot brake when starting the engine.



### Turn Signals and Lane Change Feature

Whenever a right or left turn is contemplated or when pulling away from the curb, use the turn signals.

**Full Turn** — For normal full turns, move the turn signal lever to position "A" for right turn and "B" for left turn. Lever will remain in position without manual effort until the turn is completed, then cancel automatically.

**Lane Change** — Move lever to the detent position "C" for change to right lane or to "D" for change to left lane. Hold lever in position until lane maneuver is completed,

then release. Lever will return to "OFF" position.

- When turn signals are actuated, the front side marker lights also flash.
- Green lights on instrument panel flash to indicate operation of turn signals.

### Shift-Lever Operated Windshield Washer-Wiper

The switch button for this optional fingertip control is located in the end of the transmission shift lever. A momentary light touch (to the detent) actuates the wipers only for one full cycle. Fully depressing the button (through detent) produces two washer cycles and two wiper cycles before shutting off automatically. Holding the button in either position extends the washer-wiper operation.

### Hazard Warning Flasher

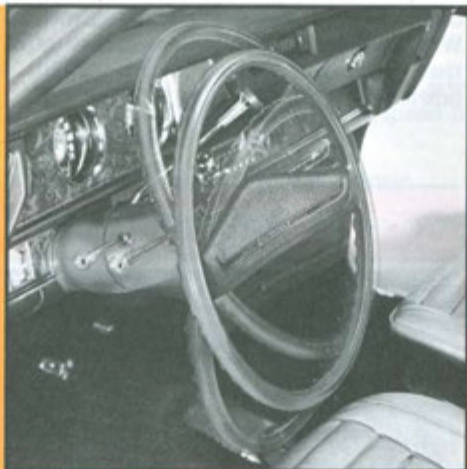
- Use the warning flasher to warn other drivers any time your vehicle becomes a traffic hazard, day or night.



- Avoid stopping on the roadway if possible.
- Turn on the hazard warning flasher, with engine ignition off or on, by pushing in on the button located just below the steering wheel.
- If the brake pedal is depressed, the lights will not flash but will glow continuously instead.
- To cancel the flasher, pull the button outward.

## Power Steering

Oldsmobile's optional power steering provides ease in handling, making it more convenient to park and to get into or out of tight places. Power assist is provided by a hydraulic pump driven by the engine. When the engine is not running or if the power steering pump drive belt breaks, the car can still be steered, but much greater steering effort will be required.



## Tilt-Away Steering Wheel

The Tilt-Away steering wheel (optional equipment) can be tilted up above normal position to provide additional room for entrance and exit as well as selected driving positions at or below normal height. This permits individual selection of the most natural position for all driving conditions.

On long trips the steering wheel position can be changed to minimize tension and fatigue.

The tilt mechanism is operated by lifting up on the small control lever on the left side of the steering column just below the directional signal lever, moving the steering wheel to the selected position, and releasing the lever.

## Cruise Control

Oldsmobile Cruise Control system (optional accessory) allows you to maintain the cruising speed you select on turnpikes or open highways without holding your foot on the accelerator pedal. The "ON-OFF" switch is located on the instrument panel to the left of the steering



column. The engagement button is located in the end of the turn signal lever. To operate, push the "ON-OFF" rocker switch to the "ON" position, accelerate the vehicle to the desired speed and momentarily push in the engage button. Take your foot off the accelerator and this speed will be maintained up or down hill. A red light in the center of the switch will glow when the switch is on. Your cruising speed may be increased at any time by depressing the accelerator pedal and pushing the engage button completely in when the desired speed is reached. If you wish to decrease your speed, press the engage button completely in and hold until your speed is reduced to the level desired, then release the button. For passing or emergency situations, you can increase your speed by depressing the accelerator pedal.

When you remove your foot from the pedal, the car will slow down to your cruising speed prior to the acceleration. The Cruise Control system can be disengaged at any time by lightly depressing the brake pedal, by normal braking or by pushing the switch off. The system does not operate

under 30 mph or when the ignition is off. When Cruise Control is not in operation, the instrument panel switch should be pushed to "OFF" position.

**CAUTION:** With the Cruise Control engaged, releasing the accelerator pedal does not permit engine speed to return to idle. Do not use the Cruise Control when conditions do not warrant maintaining a constant speed, such as in heavy traffic, or on winding or slippery roads.

## Instrument Panel—Instruments and Controls



1. Brake System Warning Light
2. Fuel Gauge
3. Engine Temperature Indicator
4. Charging System Indicator
5. Engine Oil Pressure Indicator

### Brake System Warning Light

The service brake system is designed so that half of the brake system will provide some braking action in the event of a hydraulic leak in the other half of the system. If the red warning light located on the instrument panel, glows when the ignition is on and after the brakes have been firmly applied, it may indicate that there is a malfunction in one half of the brake hydraulic system. (On cars equipped with drum brakes, the light will go out when foot is removed from brake pedal.)

- As a check on bulb condition, the light should glow with the parking brake



applied and the ignition on. (Light is also a reminder to release parking brake).

- Have system repaired if light does not come on during check.
- This warning light is not a substitute for the visual check of brake fluid level required as part of normal maintenance.

#### **If the light glows red:**

- The parking brake is not fully released or,
- The service brake system is partially inoperative.

#### **What to do:**

1. Check that the parking brake is released.
2. Pull off the road and stop, carefully -- remembering that:
  - Stopping distances may be greater.
  - Greater pedal effort may be required.
  - Pedal travel may be greater.

3. Try out brake operation by starting and stopping on road shoulder -- then:

- If you judge such operating to be safe, proceed cautiously at reduced speed to nearest dealer for repair.
- Have car towed to dealer for repair
- Continued operating of the car in this condition is dangerous.

### **Fuel Gauge**

This gauge shows the approximate fuel level in the tank. ONLY with the ignition in the "ON" position will the pointer indicate the fuel level. Approximately 2 gallons of fuel remain in the tank when the fuel gauge shows empty.

### **Engine Temperature**

A red signal light "HOT" will appear momentarily when starting the car to let you know that it is operating. The only other time the "HOT" light should appear is when the engine reaches an abnormally

high temperature. If this happens, the engine should be stopped immediately and the cause determined and corrected.

### **Charging System**

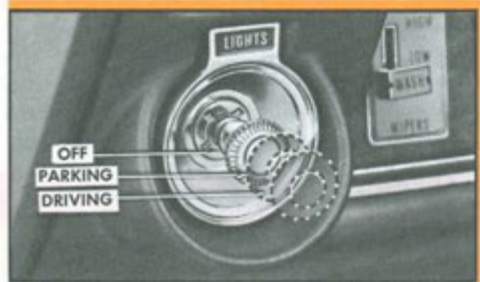
A red light "GEN" will appear with the ignition key in the "ON" position and the engine not running. This light lets you know the warning signal is operational. Should the light fail to come on, see your Oldsmobile Dealer. When the engine is started, the warning light should go out. In certain types of malfunction, the red light will come on with the ignition "OFF" or with the engine running. Should this happen, see your Oldsmobile Dealer. The warning light will not indicate all types of charging malfunctions. Therefore, if the starting motor turns the engine slower than normal, have the cause determined promptly.

### **Engine Oil Pressure**

The red light "OIL" will appear when the ignition is turned "ON," informing you

that the indicator light is operational. When the engine starts and oil pressure builds up, the light will go out. This signal light is an oil pressure indicator — not an oil level gauge. Should the light go on while the engine is running, stop the engine immediately and have the cause determined and corrected. Driving the car with low pressure can cause extensive engine damage.

## Headlight, Instrument Panel and Dome Light Switch



The headlight switch located at the lower left end of the instrument panel, serves four functions.

- (1) Pulling the switch halfway out provides parking lights, instrument panel lights, tail lights and side marker lights.
- (2) Pulling the switch all the way out provides all driving lights which includes headlights, parking lights, side marker lights, tail lights and instrument panel lights.
- (3) To dim instrument panel lights, turn switch knob clockwise.
- (4) To operate the dome light, turn switch knob fully counterclockwise.

## Circuit Breakers

The headlamp circuits are protected by a circuit breaker in the light switch. An overload on the breaker will cause the lamps to "flicker" on and off. If this condition develops, have your headlamp wiring checked immediately.



## Courtesy and Dome Lights

The dome light is controlled by the headlight switch. Turning this switch fully counterclockwise will turn the light on.

The courtesy lights (optional on some models) are controlled by the map light switch. These lights will come on automatically when the front doors are opened.



## Electric Clock

The electric clock (optional equipment) is automatically regulated to compensate for

lost or gained time whenever the clock is reset. If the clock is running fast, set the hands back (counterclockwise); if running slow, set hands forward (clockwise). Several resettings, several days apart, may be needed to properly adjust the clock mechanism for any major correction.

## Speedometer and Odometer



The speedometer, indicates the forward speed of the car in miles per hour. The odometer or mileage recorder registers the accumulated mileage the car has been driven.

## Windshield Washers and Wipers

The windshield wiping system operates at two speeds and is designed to wipe clear designated areas of the windshield under

most inclement weather conditions. The windshield wipers work electrically and are not affected by engine operation. When the control lever is moved to the "LOW" position, the wiper operates at the lower speed.

Full speed is obtained by moving the lever to the "HIGH" position. By depressing the washer button as shown, the windshield washers spray a solution on the windshield and wipers automatically start operating.

When the washing action is completed, the wipers are turned off by the wiper control lever. Wiper blades are properly positioned when the blade tips do not touch the lower or side moldings of the windshield while the wipers are in operation.



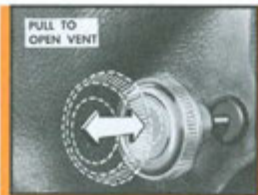
- Check washer fluid level regularly — do it frequently when the weather is bad.
- Use GM OPTIKLEEN to prevent freezing damage, and to provide better cleaning.
- Do not use radiator anti-freeze in windshield washer; it could cause paint damage.
- In cold weather, warm the windshield with defrosters before using washer — to help prevent icing that may seriously obscure vision.



## Ventilation

(Without Air Conditioning)

On cars equipped with single vent controls, outside air can be admitted directly into the car through vents located on the right and left cowl side panels. The vents are individually controlled by pull knobs located just below the bottom right and left sides of the instrument panel.



On cars equipped with dual vent controls (standard on certain body styles and optional on others), outside air may be admitted to the passenger compartment through

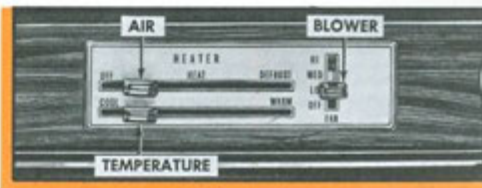
outlets in the instrument panel independently from the cowl side panel outlets. For upper level ventilation, pull the upper vent control knobs located at the lower ends of the instrument panel. The louvered outlets directly above the control knobs are adjustable to direct air to the right or left. The center instrument panel outlet is for appearance only and is not functional. The lower vent knobs control the amount of air flow through the two outlets in the cowl side panels for lower level ventilation. Both upper and lower level ventilation may be obtained simultaneously or separately.

*NOTE: See Engine Exhaust Gas Caution at the beginning of this Section.*

## Heating and Defrosting

(Without Air Conditioning)

Two levers, for air (upper) and temperature (lower), located in the heater control panel to the right of the steering column, provide maximum regulation and distribution of heated air in the passenger compartment.



**For Heating** — The air control lever must be moved to the "HEAT" position. The control regulates the degree of heat as it is moved to the right.

**For Defrosting** — Move the air control lever to the "DEFROST" position. When the air control lever is at the extreme right position, about 90% of the air will flow through the defroster outlets and 10% to the passenger compartment through the heating outlets.

- Clear snow and ice from hood and air inlet in front of windshield to improve heater and defroster efficiency and reduce the probability of fogging on inside of windshield.
- Operate blower on "HIGH" for a few seconds before moving the vehicle, to clear the intake ducts of snow.



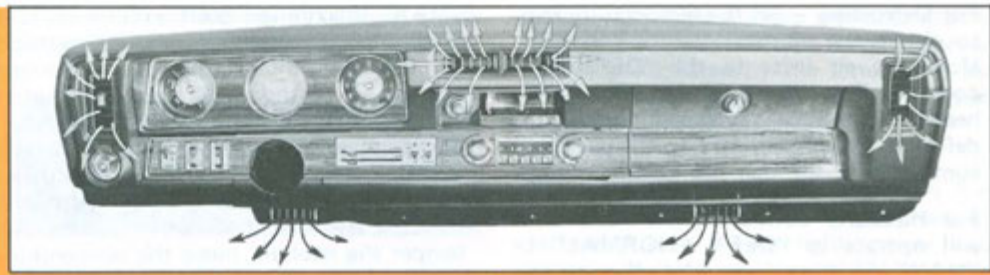
- Clear windshield, rear window, outside mirrors and all side windows of ice and snow before driving vehicle.

**To Control the Blower** — Forced air for heating or defrosting may be obtained by moving the fan switch lever upward which is located to the right of the sliding lever controls. The first upward position from "OFF" is low. The second is medium and the top position is "HI." For maximum heat in the rear seat area, put the fan on "HI," move the air control to "HEAT" and the temperature control to the extreme right, close the windows and make certain the space under the front seat is clear of any obstructions.

**To Turn the System Off** — Move the air lever to the extreme left, which is the "OFF" position, and move the blower switch to "OFF."

## Heater-Air Conditioner

The heating and defrosting controls of this optional system are combined with the air conditioning controls in a panel located to the right of the steering column.



**Controls** — Sliding lever controls provide desired temperature comfort at your fingertips. For ease of operation, the controls are combined with heating controls in the same panel.

**Dash Outlets** — At the right and left ends of the instrument panel are air outlets which may be swiveled to the desired position. The air from these outlets may be

shut off by closing the outlet louvers. At the center of the instrument panel are dual adjustable air outlets, each having independent adjustments. Two additional outlets in the valance just below the dash panel provide added air flow and lap cooling.

**For Heating** — Move the air control lever to the notched position directly under the word "HEAT". This allows 100% outside air to enter the heating system. To warm the air to the temperature you want, move the temperature control lever to any position between "COOL" and "WARM." This permits the proper mixture of heated air and outside air to enter the passenger compartment through the heating outlets.



**For Defrosting** — Set the temperature lever to obtain the air temperature you want. Move the air lever to the "DEFROST" position. This directs about 90% of the heated air to the windshield through the defroster outlets and 10% to the passenger compartment through the heating outlets.

**For Humidity Control** — The compressor will operate in "DEF", "NORMAL" or "MAX" position whenever the outside temperature is above (32°F) freezing. The compressor will not operate in the "OFF", "HEAT", and "VENT" positions.

**To Control the Blower** — Move the blower control lever to one of four positions: "LO," 1, 2, or "HI." These four blower speeds can be used for heating, defrosting and ventilation.

**To Turn Heating System Off**—Move the air control lever to the "OFF" position.

**For Cooling** — Move the air (upper) control lever to the "NORMAL" position. This allows 100% outside air to enter the cooling system. Or move the air lever to the

"MAX" (maximum) position for a mixture of about 80% recirculated and 20% outside air. Use the "VENT" position to induce outside air (without refrigeration) during mild weather. For maximum cooling, move the temperature (lower) lever to the "COOL" position. The cooled air is delivered to the passenger compartment through the air conditioner outlets. To temper the cool air, move the temperature lever to any position between "COOL" and "WARM". This permits cool air to mix with heated air and enter the passenger compartment at the desired temperature through the air conditioner outlets. During cool, rainy weather use one of the two higher blower speeds and move the air lever to "NORMAL" to discourage window fogging. Adjust the temperature lever to maintain comfort.

**Fan Operation During Cooling** — Under most conditions, adequate cooling may be obtained with the "LO" or one of the two medium fan speeds. Maximum cooling will result when the fan switch is in the "HI" position and the temperature control moved all the way to the left.

**To Turn Cooling System Off** — Move the air control lever to the extreme left which is the "OFF" position.

## Rear Window Defogger



For rapid defogging of the rear window, on convertibles and station wagons, an optional blower-type rear window defogger is available. The 2-position switch for the blower is located just to the right of the fan switch on the heater control panel.

**Electric Defogging Rear Window** — This new all-weather electric rear window defogger (optional equipment) heats the glass and removes interior fog automatically, quietly, and without drafts. An instrument-panel lamp lights when the power is on. Current flows through a grid of silver and ceramic frit bonded on the glass.

*NOTE: On vehicles equipped with air conditioning, the blower will not operate at full speed in the "HI" position when the rear defogger is in operation.*



## Radios and Equipment

Oldsmobile offers as optional equipment two transistorized radios, Deluxe and AM-FM Stereo, which play instantly when turned on. Both sets have the following controls:

**Control Knobs**—The left knob operates the "ON-OFF" switch and the volume control, while the ring behind the left knob controls the tone. Manual tuning is accomplished by turning the right hand knob.

**Adjusting Push Buttons**—The push buttons are adjusted as follows:

1. Turn on the receiver.
2. Select a push button for the desired station. Move this button slightly to the left and pull out as far as it will go.
3. Tune in the desired station manually.
4. Push the selected button to its maximum "in" position in order to lock it.
5. Proceed in the same manner for the remaining stations.

6. A station setting may be changed at any time by repeating the foregoing procedure.



**Deluxe Radio**—The Deluxe radio (optional equipment) is an all transistor unit that plays immediately when turned on. Its operation is simplified with two control knobs and five pre-set station push buttons.



**AM-FM Stereo Radio**—The optional AM-FM Stereo radio, provides a selection of AM-FM monaural or FM stereo reception. The AM or FM frequency band may be selected by sliding the control switch (lo-

cated immediately above the radio dial) to the right or left. The type of reception selected is indicated by the letters AM and FM. (Follow the procedure for push button tuning adjustment.)

FM reception, to a great degree, is free from atmospheric static and man-made interference such as neon lights, power lines, ignition systems, etc. Normal FM reception should be almost noise-free unless the radio is tuned to a very weak station in the fringe area. It may be necessary, while driving, to manually retune FM stations slightly to maintain peak reception. The stereophonic feature is pre-set at the factory for balance and correct separation of sound. An indicator light on the center of the dial (marked STEREO) comes on only when an FM stereo station is selected. It is also important that your front and rear speakers be properly balanced for the best stereo effect. The balance is adjusted by using the rear seat speaker knob. Stereophonic reception is possible only when the station is transmitting stereo even though the "STEREO" light is on.

## Rear Seat Speaker



With this optional equipment the ring behind the right knob on the radio panel enables you to blend or modulate the volume of the front and the rear seat speakers. As the control is turned to the right, the volume from the rear speaker is decreased. Turning the control to the left causes the reverse. With the word "SPEAKER" in the top position, the volume is approximately equal at the front and rear speakers.

## Stereo Tape Player



The optional stereo tape player provides pre-recorded stereo music for your enjoyment. It utilizes a 4-channel, 8-track tape pack and the front and rear radio speakers. (The radio does not have to be on.) All tape player controls are contained within the unit. A pilot light on the player indicates when the player is in operation.

To play the tape unit, the ignition switch must be in the "ON" or "ACC" position. Insert the tape pack in the slot (label side up) and engage fully. The player controls should then be adjusted as follows:

1. Program Selector—push the program bar to select the desired program number. Individual songs or arrangements cannot be selected, as there may be more than one on each numbered program.
2. Volume and Tone Knobs—adjust as desired.
3. Balance Knob—for the best stereo effect, the balance between the front and rear speakers may be controlled by turning the knob to the left or right as required.

To avoid damage to your tape packs, never leave one engaged in the player when not in use. Store tapes in a cool, dry and clean place, out of the direct sun light and with the open end of the pack up.

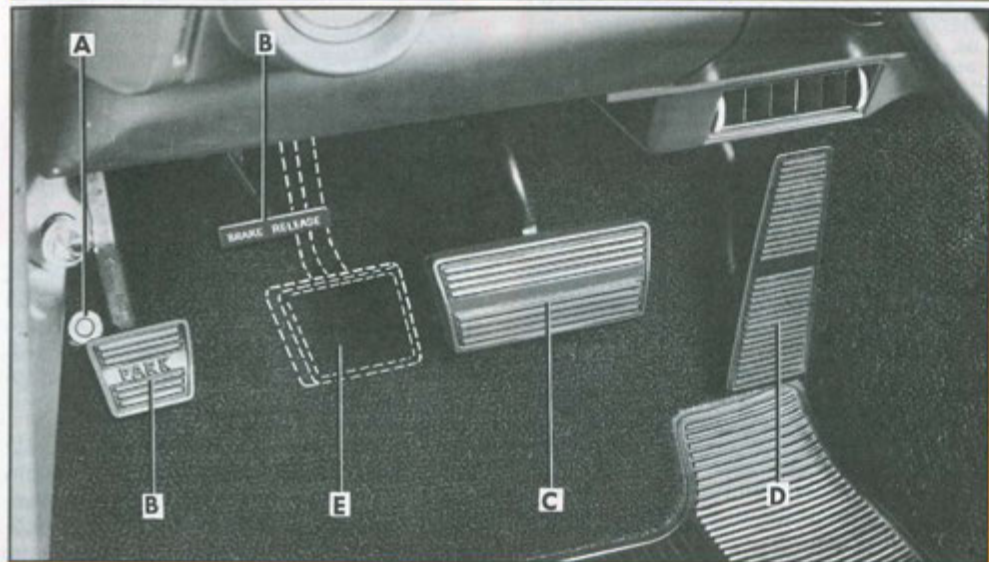
## Power Trunk Lid Release



The control button for this optional item is located behind the glove box door. Pushing the button electrically releases the trunk lid latch and allows the trunk lid to swing open. The control can be operated at all times with or without the engine running. The control works independently of the conventional key-opening operation and will not interfere with its function. Locking the glove box door prohibits access to the trunk lid control, should the trunk contents need this protection.



## Floor Controls



- A. Headlight Dimmer Switch
- B. Parking Brake Foot Pedal and Release Lever
- C. Service Brake Pedal

- D. Accelerator Pedal
- E. Clutch Pedal (Manual Transmission only)

## Braking Systems

The service brake system is designed for braking performance under a wide range of driving conditions even when the vehicle is loaded to its full rated vehicle load.

**CAUTION:** Driving through deep water may affect brake performance. Applying brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.

The service brake system is designed so that, in the event of a hydraulic fluid leak in one-half of the system, the other half still provides braking action.

**NOTE:** "Riding the brake" by resting your foot on the brake pedal when not intending to brake can cause abnormally high brake temperatures, excessive lining wear and possible damage to the brakes.

## Power Brakes

- Cars with power brakes can make two or

more brake stops using reserve power assist after the engine is off.

- When reserve power is exhausted, the vehicle can still be stopped by applying greater force to the pedal.

## Automatic Brake Adjusters

- Brakes on this car are self-adjusting, designed to eliminate periodic brake adjustments.
- Drum brake adjustment is made automatically as the brakes are applied while car is moving backwards.
- Disc brake adjustment is made automatically with each brake application.
- If excess brake pedal travel develops, drive alternately backward and forward and apply brakes firmly several times in each direction.
- See your dealer if normal pedal travel is not restored, or if there is a rapid in-

crease in pedal travel, which could be a sign of other brake trouble.

*REMINDER: Brake pedal travel should not be obstructed by improper floor mats or other interfering material under the pedal.*

## Parking Brake

- To set parking brake, fully depress foot pedal at far left side.
- For maximum holding power, depress regular brake pedal with the other foot at the same time.
- To release parking brake, pull "BRAKE RELEASE" lever on lower left instrument panel.
- Never drive car with parking brake set as this may overheat or otherwise damage rear brakes.

*REMINDER: Brake linings should be inspected for wear by a qualified mechanic at least once a year or every 12,000 miles,*

*whichever occurs first. More frequent inspections should be made if driving conditions in your area, such as traffic or terrain, or techniques of individual drivers result in frequent brake applications. Your Oldsmobile dealer is best qualified to advise you as to how often this inspection should be performed. When brakes require relining, use those Genuine General Motors Parts specifically recommended for your car, and Delco fluid as required.*

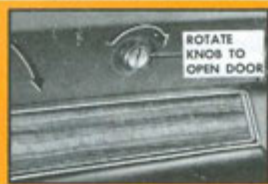
## Headlight Dimmer Switch

To obtain high or low beam headlights, push the foot dimmer switch located on the floor below the parking brake. A blue light in the upper center of the speedometer cluster appears when you are driving on high beam.

For better night driving vision and for compliance with regulations of certain state, it is recommended that the headlights be checked periodically for proper aim and adjusted if necessary. Whenever the headlamp is replaced the aim should be checked. Adjustment can be made without removing the headlamp rim.

## Other Controls and Features

### Glove Box Door Latch

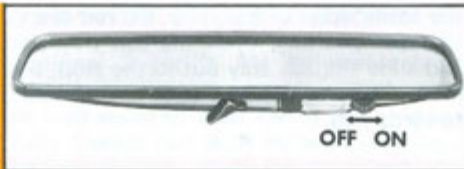


The glove box door is opened by turning the door knob clockwise. It latches automatically when closed firmly. The oval headed key will lock the door when the key is inserted and turned counter-clockwise.

For protection of the front seat passenger, the glove box door should be kept in the closed position whenever the car is in motion.

### Rearview Mirror Map Light

This convenience feature (optional at extra cost) enables the driver to obtain light



where he needs it simply by sliding the light switch, located on the lower edge of the mirror, to the right. The ignition lock must be in the "ON" or "ACCESSORY" position for the light to operate.



### Rallye Pack

Oldsmobile's Rallye Pack (optional equipment) is a group of precision instruments mounted in two clusters. The functional

instruments included in this unit are: (1) the generator light, (2) temperature gauge, (3) oil pressure gauge, (4) tachometer and clock.

**Generator Light** — Glows when the ignition switch is turned on, but goes off when the engine is started. If the "Gen" light ever goes on with the engine running (even at idle) the charging system should be checked as soon as possible to prevent the Energizer (battery) from becoming discharged.

**Temperature Gauge** — Shows the engine operating temperature. Should the pointer stay near or on the "H", the engine should be stopped immediately, allowed to cool and the coolant level checked.

**CAUTION:** The radiator cap should not be removed until the engine is cool.

**Oil Pressure Gauge** — Shows the engine oil pressure when the engine is running. During engine warm-up, indicated oil pressure will be noticeably higher than when the engine is at normal operating temperature.



Should the indicator point to the "L" at any time during normal driving, stop the engine immediately and have the cause corrected. Driving the car with low oil pressure can cause extensive engine damage.

**Tachometer** — Provided to inform the driver of the engine speed in revolutions per minute and to serve as an aid in evaluating engine performance.



## Ash Tray

The instrument panel ash tray and lighter are located just above the radio dial. They are exposed by lifting the bottom edge of the ash tray door and it will swing up into the instrument panel. For easier accessibility, the ash tray may be pulled out part way. To close, simply pull downward on

the lower edge of the door. To remove the tray for cleaning, open the ash tray door and slide the ash tray out to the stop, then lift up on the forward edge as you pull it towards you.

## Cigarette Lighter

Push the cigarette lighter all the way in to operate. When it is heated sufficiently to use, it will "snap" back to normal position with an audible sound. Avoid holding the lighter in by hand while it is being heated.



## Hood Lock

The Hood Lock is an additional theft protection option that prevents unwanted admittance to the engine compartment when the lock lever is in the "LOCK" position. The control is located to the left of

the steering column on the lower edge of the dash panel. To unlock the hood, move the lock lever to the "UNLOCK" position. Very little effort is required and it should never be forced. The hood may be raised in the conventional manner using the dual hood latches at the front of the vehicle.



## Safety Sentinel

The safety sentinel indicator (optional equipment) is set at the desired speed by turning the safety sentinel knob located near the center of the speedometer cluster. When the car speed is increased so that it reaches or goes beyond the speed setting, a buzzer warns the driver that he is exceeding his desired speed.



## Anti-Spin Differential

The Anti-Spin differential (optional at extra cost) provides additional traction on snow, ice, mud, sand and gravel, particularly when one drive wheel is on a surface providing poor traction. During normal driving and cornering, the Anti-Spin unit functions as a standard differential. When one wheel encounters a slippery surface, however, the Anti-Spin differential directs the driving force to the wheel having the better traction.

**CAUTION:** On cars equipped with an Anti-Spin differential, never run the engine for any reason with one drive wheel off the ground, since the car may drive through the wheel remaining on the ground.

As with any vehicle, care should be taken to avoid sudden accelerations when both drive wheels are on a slippery surface. This could cause both drive wheels to spin, and allow the vehicle to slide sideways on the crowned surface of a road or in a turn.

## Superlift Shock Absorbers

Optional Superlift Air Adjustable Shock Absorbers allow you to ride with the trunk or load space of your car or station wagon fully loaded but with no annoying sag or bumps. Air is added to the rear shocks as needed through the air valve located in the bumper behind the license plate on all

models except station wagons. On station wagons it is located on the rear bumper at the top right corner of the license plate.

A minimum pressure of 10-15 psi. should be maintained at all times. After the car is loaded, pressure may be increased until the rear of the vehicle reaches the desired riding height or to a maximum of 90 psi.

## Convertible Features

### Folding Top Operation

**CAUTION:** Do not attempt to lower the top when the temperature is below 40° Fahrenheit. Prior to lowering or raising the top, the car must be completely stopped and the sunshades turned down. Also, prior to lowering the top, make certain the top material is thoroughly dry and the top well is free of any stored items.

**To Lower the Top** — The locking handles, which are located at the front of the side rails, must be rotated inboard to release the

lock hook levers from the strikers which are located at the outboard ends of the windshield header. (The locking handles must remain in open position until the top is again locked to the windshield header.) Actuate the power control switch until the top assembly is approximately two (2) feet from the fully lowered position. The top material and pads must be gently pulled rearward from between the operating arms of the top. The power switch may then be actuated to lower the top to its full down position.

**To Raise the Top** — Actuate the power control switch until the top rests on the windshield header and the guide pin(s) on the top outer ends engage the windshield header strikers.

**To Lock the Top** — First rotate the left side locking handle outboard and then the right side locking handle and insure proper engagement of the lock hooks with the strikers.

**IMPORTANT:** The top assembly must be securely locked to the windshield header prior to movement of car.

**Installing the Boot** — Remove the boot, which is stored in a plastic container in the rear compartment, and install by grasping the forward end of the boot and slide the welt of the boot into the retainer located on the top of the rear seat back panel. Position the boot over the lowered top and engage the boot snap fasteners onto the quarter trim fastener studs. The rear and side portions of the boot is then installed by starting at the center and pulling the boot rearward and inserting the plastic retainer under the belt moulding.

## Station Wagon Features

### Standard Tailgate Window Control

**Manual** — To lower the tailgate window, pull out the window control knob at the end indicated by the arrows on the handle, and turn the handle counterclockwise until the window is down. To raise the window, pull out on the control knob and turn it clockwise. When the window is completely closed, place the control knob in the closed position.



**Power** — To operate the electric rear window control (optional equipment) from the outside insert the ignition key in the



tailgate lock and turn clockwise. Turning the key counterclockwise raises the window.

The rear window also may be raised and lowered from the driver's compartment with the control switch, located on the instrument panel to the left of the steering column. This switch operates only when the ignition is in the "ON" or "ACCESSORY" position. As in the case of the manual control, the window should be completely down before the tailgate is opened.

**CAUTION:** The tailgate window should be closed while driving to help prevent inadvertently drawing exhaust gases into the car. (see Engine Exhaust Gas Caution).



If for some reason, it is necessary to drive with the tailgate window open, the following precautions should be observed:

- Close all other windows.
- Adjust heating or cooling system to force outside air into car with blower set at high speed, and controls set in any position except "OFF" or "MAX."
- On cars equipped with outside air vents in or under instrument panel, open vents fully.

Be sure to roll the glass all the way down before opening or closing the tailgate either to the side or down.

**CAUTION:** When the vehicle is in motion, it is recommended that children not be allowed to play or rest in rear areas of the station wagon where there are no laps or shoulder belts available for proper occupant restraint.

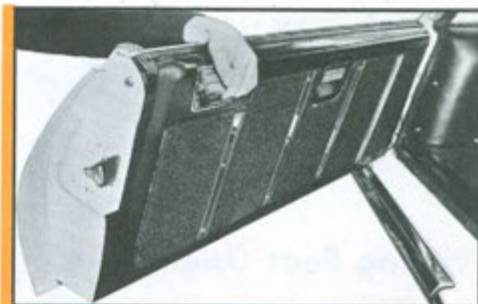
## Drop or Swing Tailgate

The Drop or Swing Tailgate incorporates a unique hinge and locking arrangement that



allows the tailgate to be operated in the conventional manner and, additionally, as a door.

All wagons utilize either manually or electrically operated windows that can be lowered into the gate or raised into the back body opening. The manual window is operated by a regulator control handle located in the tailgate outer panel. The power window can be operated by one of two control switches: one on the instrument panel and one at the lock cylinder of tailgate outer panel (key operated). All styles using a power tailgate window are



equipped with an electrical switch that prevents movement of the window with gate in any position other than fully closed.

The tailgate is unlocked to "gate position" by means of a remote control inside handle located in the top center of gate inner panel. Unlocking to "door position" is accomplished with a remote control inside handle located at top right side of inner panel. The tailgate cannot be opened in either direction, however, until window has been fully lowered. All tailgates are counter-balanced by a torque rod that assists in reducing the effort required to open or close the tailgate.



**CAUTION:** When using your station wagon to transport luggage or other cargo, it is recommended that the articles be secured in place. This precaution may prevent such items from becoming projectiles in the event of a sudden stop or collision. Cargo loads, whether inside or on the roof in an Oldsmobile luggage rack should be distributed as far forward as possible for better vehicle handling.

## Folding Seat Operation



### REAR SEAT — TWO SEAT MODELS

**Lowering Seat** — The release is located on the right side of the seat-back. Pull lock handle and pull seat-back forward and downward, then push down until it locks into position.

**Raising Seat** — Push down on the front edge of the seat-back to remove tension of hinged filler panel. Lift up on filler panel and then lift seat-back upward and rearward until it locks in position.

### SECOND SEAT — THREE SEAT MODELS

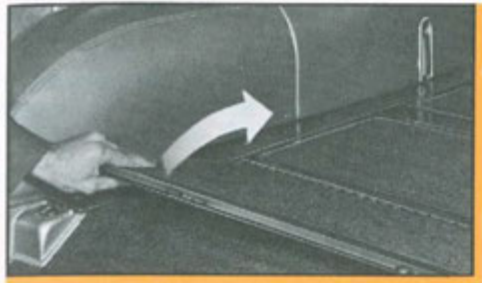
**Lowering Seat** — Both sections of the split folding second seat can be folded forward to provide entrance room into the third seat area or folded flush with the floor panels to provide cargo space. To fold either seat forward, push the lock handle at outer side of seat-back, then pull seat-back forward and down. For cargo space fold out back floor panel; then push down upper portion of seat-back until floor filler panel locks in position.

**Raising Seat** — Push down on forward edge of seat-back to release filler panel. Pull up floor panel and fold it flush to seat-back. Holding filler panel flush to back, lift seat-back up and rearward until it locks in position. An automatic latch engages the filler panel as the seat is raised.

### THIRD SEAT — THREE SEAT MODELS

**Lowering Seat** — Pull up on lock handle to unlock seat, then pull seat-back to down position and fold rear floor filler panel forward.



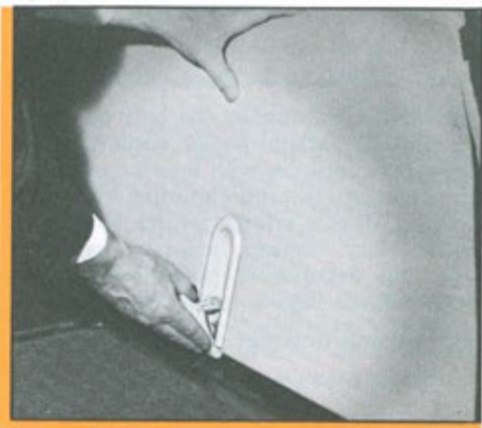


**Raising Seat** — Fold rear floor filler panel rearward. Using the exposed seat-back handle, lift seat-back rearward until it locks in position.



## CONCEALED LUGGAGE COMPARTMENT

Behind the third seat is a covered storage compartment. An optional lock is available which enables the cover to be locked to provide protection for the contents. The lock is located in the right rear corner of the luggage compartment cover and is operated by the round-end key. The cover to the compartment may be held in the raised position by a support bar which is located at the rear of the compartment. Swing the bar up and place it in the cover socket.



When closing the compartment, first unfasten the bar and place it in the retainer in the compartment, then lower the cover into the closed position.

## SPARE WHEEL AND EQUIPMENT

The spare wheel and wheel changing equipment are located vertically at the right side of the rear compartment. The wheel cover is removed by releasing the latch as shown.

## SAFETY CHECKS

Your 1971 Oldsmobile not only conforms to all U.S. Federal Motor Vehicle Safety Standards applicable at time of manufacture, but also incorporates other important General Motors safety features. Even with these safety features, however, continued safe and dependable operation depends greatly upon regular vehicle maintenance. This section discusses the various compo-

nents and systems of your vehicle that should be checked regularly to help maintain continued safe and dependable vehicle operation. Some checks should be made by your dealer or service station, and can be done conveniently while your vehicle is in the shop for other regular maintenance services. Other checks can be made easily by owners.

### Checks to be Performed by Your Dealer or Service Station

As a service reminder to owners, all 1971 General Motors passenger cars are equipped with a "Vehicle Safety Maintenance Schedule" on the inside of the glove box door as illustrated.

The schedule lists the various safety checks to be performed at regularly scheduled intervals, as well as some of the other important vehicle maintenance requirements.

You are urged to check off each item on the schedule after the operation has been

	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	12000	15000	20000	25000	30000	35000	40000	45000	50000	55000	60000	65000	70000	75000	80000	85000	90000	95000	100000	
ENGINE OIL - CHECK LEVEL AND CONDITION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WATER AND WASHING FLUID - CHECK LEVEL AND CONDITION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COOLANT - CHECK LEVEL AND CONDITION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STEERING - CHECK CONDITION OF FRONT & REAR SUSPENSION & STEERING SYSTEM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BRAKE SYSTEM - CHECK CONDITION OF SYSTEM AND COMPONENTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
REAR AND FRONT - CHECK CONDITION OF TIRE PRESSURE & TREAD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ENGINE - CHECK OIL - CHECK CONDITION OF ALL BELTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WASHERS - USE FLUID AS IN OWNERS MANUAL AND TOP-UP FLUID AS NECESSARY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WATER AND WASHING FLUID - CHECK LEVEL AND CONDITION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
REPLACE WAX VALVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COOLANT - CHECK CONDITION OF FRONT, REAR & SIDE DRAINAGE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CHASSIS - CHECK FRONT AND REAR TORSION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FRONT AND REAR - CHECK OPERATION AND CONDITION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STEERING - CHECK	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TRANSMISSION - CHECK FLUID AND SERVICE FILTER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WASHERS - CHECK & ADD FLUID AS NECESSARY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

performed. Following are further details on the safety check items:

**CHECKS TO BE MADE AT OIL CHANGE INTERVALS (4 MONTHS OR 6,000 MILES, WHICHEVER OCCURS FIRST)**

- **Brake and Power Steering Lines and Hoses** — Check for proper attachment, leaks, cracks, chafing, deterioration, etc. Any questionable parts noted should be replaced or repaired immediately.
- **Fluid Levels** — Check level of fluid in brake master cylinder, power steering pump, radiator, engine, axle and transmission. Any significant loss could mean that a malfunction is developing in the system and corrective action should be taken immediately. On cars with disc brakes, a low fluid level in the front brake master cylinder reservoir could also be an indicator that disc brake pads need replacing.
- **Front and Rear Suspension and Steering System** — Check for damaged or missing parts, or parts showing visible signs of excessive wear or lack of lubrication.



Questionable parts should be replaced by a qualified mechanic without delay.

- **Exhaust System** — Check complete exhaust system and nearby body areas and trunk lid for broken, damaged, missing or mispositioned parts, open seams, holes, loose connections or other deterioration which could permit exhaust fumes to seep into the trunk or passenger compartment. Any defects should be corrected immediately. To help insure continued integrity, exhaust system pipes and resonators rearward of the muffler must be replaced whenever a new muffler is installed.
- **Tires and Wheels** — Check tires for excessive wear, nails, cuts or other damage. Make certain wheels are not bent and wheel nuts are tight. Uneven or abnormal tire wear may indicate the need for alignment service. Check tire inflation pressure at least monthly, or oftener if daily visual inspection indicates the need.

The original equipment tires on your Oldsmobile incorporate built-in tread

wear indicators to assist you in determining when your tires have been worn to the point of needing replacement.



These indicators will appear as 1/2 inch wide bands when tire tread depth is 1/16 inch or less. When the indicators appear in two or more adjacent grooves, tire replacement due to tread wear is recommended.

- **Drive Belts** — Check fan and accessory drive belts for cracks, wear and tension. Adjust or replace as necessary.

CHECKS TO BE MADE AT 12 MONTHS  
OR 12,000 MILES (WHICHEVER  
OCCURS FIRST)

- **Brake Linings and Parking Brake** — Check drum brake linings or disc brake pads as well as the other internal brake components at each wheel (drums, rotors, wheel cylinders, etc.). More frequent checks should be made if driving conditions and habits result in frequent brake application. Parking brake adjustment should also be checked whenever brake linings are checked.
- **Throttle Linkage** — Check for damaged or missing parts, interference or binding. Any deficiencies should be corrected without delay by a competent mechanic.
- **Headlights** — Check for proper aim. Correct as necessary. More frequent checks should be made if on-coming motorists signal when you are already using your low beams, or if illumination of the road ahead seems inadequate.

For further details on the engine and transmission items listed on the "Vehicle Safety Maintenance Schedule", and for other recommended maintenance, refer to the "Service and Maintenance" and "Air Pollution Control" Sections of this manual.

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## Checks to be Performed by Owner

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Listed below are the safety checks that should be made by the owner. These checks should be made at least every 4 months or 6,000 miles, whichever occurs first, or oftener when so indicated. Any deficiencies should be brought to the attention of your dealer or service station, so the advice of a qualified mechanic is available regarding the need for repairs or replacements.

- **Anti-Theft Lock** — Check for proper operation by attempting to turn key to LOCK position in the various transmission gears with car stationary. Key should turn to LOCK position only when transmission control is in PARK on automatic transmission models or in REVERSE on manual transmission models.
- **Seat Belts** — Check lap and shoulder belts as well as buckles, retractors and

anchors for loose connections, damage and positive latching action.

- **Windshield Wipers and Washers** — Check condition and alignment of wiper blades. Check amount and direction of fluid sprayed by washers during use.
- **Defrosters** — Check performance by turning controls to "DEF." or "DE-ICE" and noting amount of air directed against the windshield.
- **Wheel Alignment and Balance** — In addition to abnormal tire wear the need for wheel alignment service may be indicated by a pull to the right or left when driving on a straight level road. The need for wheel balancing may be indicated by a vibration at the steering wheel while driving.

- **Parking Brake and "Park" Mechanism** — Check parking brake holding ability by parking on a fairly steep hill and restraining the vehicle with the parking brake only. On cars with automatic transmissions, check the holding ability of the "Park" mechanism by releasing all brakes after the transmission selector lever has been placed in the "P" position.
- **Lights** — Check license plate lights, side marker lights, headlamps, parking lamps, tail lamps, brake lights, turn signals, backup lamps, and hazard warning flashers. Have someone observe operation of each light while you activate the controls.
- **Starter Safety Switch** (Automatic Transmission Cars) — CAUTION: Before making the following check, be sure to have a clear distance ahead and behind the car, set the parking brake and firmly apply the foot brake. Do not depress accelerator pedal. Be prepared to turn off ignition switch immediately if engine should start.



Check starter safety switch by placing the transmission in each of the driving gears while attempting to start the engine. The starter should operate only in the Park ("P") or Neutral ("N") positions.

- **Starter Interlock (Manual Transmission Cars)** — To check depress the clutch halfway, place the transmission in neutral, and attempt to start. The starter should operate only when clutch is fully depressed.
- **Transmission Shift Indicator** — Check to be sure shift indicator accurately indicates the shift position selected.
- **Horn** — Blow the horn occasionally to be sure that it works.

- **Seat Back Latches** — Check to see that seat back latches are holding by pulling forward on the seatback top.
- **Rearview Mirrors and Sun Visors** — Check that friction joints are properly adjusted so mirrors and sun visors stay in the selected position.
- **Door Latches** — Check for positive closing, latching and locking.
- **Hood Latches** — Check to make sure hood closes firmly by lifting on the hood after each closing. Check also for broken, damaged or missing parts which might prevent secure latching.
- **Fluid Leaks** — Check for fuel, water, oil

or other fluid leaks by observing the ground beneath the vehicle after it has been parked for a while. (Water dripping from air conditioning system after use is normal.) If gasoline fumes are noticed at any time, the cause should be determined and corrected without delay because of the possibility of fire.

- **Exhaust System** — See engine exhaust gas caution at beginning of "Starting and Operating" Section of manual for suggested driver observations and checks.
- **Head Restraints** — Check that head restraints adjust properly in the up detent position, and that no components are missing or loose.



## IN CASE OF EMERGENCY

### Emergency Starting

- Never tow the car to start because the surge forward when the engine starts could cause a collision with the tow vehicle.
- Engines in vehicles with automatic transmissions cannot be started by pushing the car.
- To start the car when the Energizer (battery) is discharged, use a single auxiliary battery or Energizer of the same voltage as the discharged battery, with suitable jumper cables.

**CAUTION:** Never expose battery to open flame or electric spark—battery action generates explosive hydrogen gas. Don't allow battery fluid to contact skin, eyes, fabrics, or painted surfaces—fluid is a sulfuric acid solution. Wear eye protection when working with battery.

- Make connections as detailed below.

### JUMP STARTING WITH AUXILIARY (BOOSTER) BATTERY

If booster battery is part of another vehicle's electrical system, booster should be treated carefully when using jumper cables. Follow exactly the procedure outlined below, being careful not to cause sparks:

1. Set parking brake and place automatic transmission in "PARK" ("NEUTRAL" for manual transmission).
2. Attach one end of one jumper cable to the positive terminal of the booster battery (identified by "+" or "P" on the battery case, post or clamp) and the other end of same cable to positive terminal of discharged battery.

3. Attach one end of the remaining cable to negative terminal ("—" or "N") of booster battery, and finally to negative terminal of discharged battery — taking care that jumper clamps do not contact each other.

Reverse this sequence exactly when removing the jumper cables.

**CAUTION:** Any procedure other than the above could result in personal injury caused by electrolyte squirting out the battery vents, damage or injury due to battery explosion, and/or damage to the charging system of the booster vehicle's or immobilized vehicle's charging system. Do not attempt to jump start a car having a frozen battery because the battery may explode. If a frozen battery is suspected, open and examine all fill vents on the battery. If ice can be seen, or the electrolyte fluid cannot be seen, do not attempt to start with jumper cables.

## Changing Wheels

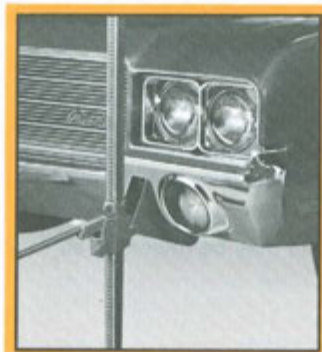
Do not attempt repairs on heavily traveled roads or highways. Drive the car off the road to a position on as level a surface as possible. Shut off the engine, fully apply the parking brake and place automatic transmission shift lever in "Park" position or the manual transmission lever in reverse gear. Proceed with changing the wheel as follows:

1. From the luggage compartment remove spare wheel and tire, jack, jack base and combination jack handle-wheel nut wrench. Place the jack lever in the "UP" position.
2. Attach the jack pad to the column assembly. On station wagons the jack lift pad has two pin positions. Use the upper pin marked "Front" to raise the front of the car and the lower pin marked "Rear" to raise the back of the car.
3. Position the jack lift pad so that the

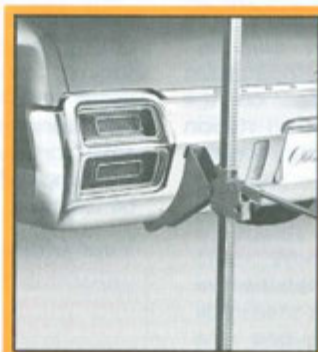
notch in the lift pad straddles or is next to the bumper bracket located directly behind the bumper bolts. The bumpers are notched for clearance in this area.

4. Remove wheel discs or hub caps using the flat end of the jack handle.
5. Loosen, but do not remove, wheel nuts by turning counterclockwise.

6. Insert jack handle in jack, grasp firmly, and jack the car off the ground.
7. Check stability of car on jack and then remove wheel nuts and wheel.
8. Install spare wheel and install wheel nuts finger tight. Be sure the beveled end of the nuts face inward.
9. Place jack control lever in "down"



FRONT-ALL



REAR-EXCEPT WAGONS



REAR-WAGONS

position and lower wheel until it just touches the ground. Fully tighten wheel nuts. Lower car and remove jack. Carefully install wheel discs or hub caps.

10. Replace jack and wheel in luggage compartment and tighten them securely to avoid rattles.
11. When possible check the pressure in the tire you just put on. For correct tire pressure, refer to the tire section inflation chart or the tire placard on the glove box door.

Illustrated instructions on jack operations and stowage are also provided on the underside of the trunk lid and on station wagons on the underside of the spare wheel cover.

**CAUTION:** Before jacking up the car, firmly set the parking brake, place the automatic

transmission in "PARK" ("REVERSE" for manual transmission) and block the wheel diagonally opposite from the jack position. Stand clear of, and never get beneath the car when it is supported only by a jack. Always use safety stands to support the car if necessary to get underneath. Do not run the engine with one drive wheel off the ground since the car may drive through wheel remaining on the ground.

## Towing

Proper lifting or towing equipment is necessary to prevent damage to the vehicle during any towing operation. Detailed towing information is available at your dealer and has been provided to tow truck operators responsible for movement of disabled or locked vehicles. State and local laws applicable to vehicles in tow must also be followed.

Your Oldsmobile may be towed on all four

wheels, at speeds of less than 35 MPH, for distances up to 50 miles, provided drive-line, axle and transmission are otherwise normally operable. For such towing, parking brake must be released, and transmission must be in neutral and ignition lock turned to "OFF" position. Attachments must be to main structural members of the car, not to bumpers or bracketing. Safety chains or cables should be used. Remember that power brake and steering assists will not be available when engine is inoperative.

## Fuse Block Location

The fuse block is mounted under the instrument panel to the left of the steering column and just behind the parking brake. For fuse specifications see "FUSE SPECIFICATIONS" in the technical section.



# APPEARANCE CARE

## Care and Cleaning of the Interior

Dust and loose dirt that accumulate on interior fabric trim should be removed frequently with a vacuum cleaner, wisk broom or soft brush. Vinyl or leather trim should be wiped clean with a damp cloth. Normal cleanable trim soilage, spots or stains can be cleaned with the proper use of trim cleaners available through General Motors dealers or other reputable supply outlets.

**CAUTION:** Do not use commercial paint, chrome or glass cleaners on interior, bright trim or painted surfaces. If cleaning is required, lukewarm water and a neutral soap may be used.

Before attempting to remove spots or stains from upholstery, determine as accurately as possible the nature and age of the spot or stain. Some spots or stains can be removed satisfactorily with water or mild soap solution (refer to accompanying

"Removal of Specific Stains"). For best results, spots or stains should be removed as soon as possible.

Some types of stains or soilage such as lipsticks, some inks, certain types of grease, mustard, etc., are extremely difficult and, in some cases, impossible to completely remove. When cleaning this type of stain or soilage, care must be taken not to enlarge the soiled area. It is sometimes more desirable to have a small stain than an enlarged stain as a result of careless cleaning.

**CAUTION:** When cleaning interior soft trim such as upholstery or carpeting, do not use volatile cleaning solvents such as: acetone, lacquer thinners, carbon tetrachloride, enamel reducers, nail polish removers; or such cleaning materials as laundry soaps, bleaches or reducing agents (except as noted in the

instructions on stain removal). Never use gasoline or naphtha for any cleaning purpose. These materials may be toxic or flammable, or may cause damage to interior trim.

## Cleaning Fabrics with Cleaning Fluid

This type of cleaner should be used for cleaning stains containing grease, oil or fats. Excess stain should be gently scraped off trim with a clean dull knife or scraper. Use very little cleaner, light pressure, and clean cloths (preferably cheese cloth). Cleaning action with cloth should be from outside of stain towards center and constantly changing to a clean section of cloth. When stain is cleaned from fabric, immediately wipe area briskly with a clean absorbent towel or cheese cloth to help dry area and prevent a cleaning ring. If ring forms, immediately clean entire area or panel section of the trim assembly.

**NOTE:** Sometimes a difficult spot may require a second application of cleaning fluid followed immediately by a soft brush to completely remove the spot.

## **Cleaning Fabrics with Detergent Foam Cleaners**

This type of cleaner is excellent for cleaning general soilage from fabrics and for cleaning a panel section where a minor cleaning ring may be left from spot cleaning. Vacuum area to remove excess loose dirt. Always clean at least a full trim panel or section of trim. Mask adjacent trim along stitch or weld lines. Mix detergent type foam cleaners in strict accordance with directions on label of container. Use foam only on a clean sponge or soft bristle brush. Do not wet fabric excessively or rub harshly with brush. Wipe clean with a slightly damp absorbent towel or cloth. Immediately after cleaning fabric, dry fabric with a dry towel or hair dryer. Rewipe fabric with dry absorbent towel or

cloth to restore the luster of the trim and to eliminate any dried residue.

## **Removal of Specific Stains**

**Candy** — Chocolate, use cloth soaked in lukewarm water; other than chocolate, use very hot water. Dry. If necessary, clean lightly with fabric cleaning fluid.

**Chewing Gum** — Harden gum with ice cube and scrape off with dull knife. Moisten with fabric cleaning fluid and scrape again.

**Fruit Stains, Coffee, Liquor, Wine, Soft Drinks, Ice Cream and Milk** — Wipe with cloth soaked in cold water. If necessary clean lightly with fabric cleaning fluid. Soap and water is not recommended as it might set the stain.

**Catsup** — Wipe with cloth soaked in cool water. If further cleaning is necessary, use a detergent foam cleaner.

**Grease, Oil, Butter, Margarine and Crayon**

— Scrape off excess with dull knife. Use fabric cleaning fluid.

**Paste or Wax Type Shoe Polish** — Light application of fabric cleaning fluid.

**Tar** — Remove excess with dull knife, moisten with fabric cleaning fluid, scrape again, rub lightly with additional cleaner.

**Blood** — Wipe with clean cloth moistened with cold water. Use no soap.

**Urine** — Sponge stain with lukewarm soap suds from mild neutral soap on clean cloth, rinse with cloth soaked in cold water, saturate cloth with one part household ammonia water and 5 parts water, apply for 1 minute, rinse with clean, wet cloth.

**Vomitus** — Sponge with clean cloth dipped in clean, cold water. Wash lightly with lukewarm water and mild neutral soap. If odor persists, treat area with a water-baking soda solution (1 teaspoon baking soda to one cup of tepid water). Rub again with cloth and cold water. Finally, if necessary, clean lightly with fabric cleaning fluid.

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## Care & Cleaning of the Exterior

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### Washing

The best way to preserve the finish is to keep it clean. Normally, only frequent washings are required to maintain its original beauty. Wash the car with either cold or warm (never hot) water, not in the direct rays of the sun and not while the sheet metal surfaces are hot. Never wipe dirt from dry painted surfaces because this may scratch the finish. The use of strong soaps and chemical detergents should be avoided and in any event, cleaning agents should be promptly flushed from the surface and not allowed to dry or they may streak the finish.

**NOTE:** Some chemical cleaners used for removing road oil and tars from painted surfaces are detrimental to acrylic finishes. When purchasing a cleaner, make sure that the

*instructions on the container specifically state that the contents can be used on an acrylic finish.*

### Bright Metal Parts

Wash all bright metal parts frequently to alleviate the destructive forces of salt, calcium chloride, salt air, exhaust gases, and industrial fallout (which may be corrosive).

Use lukewarm water and mild soap, not with a strong alkali solution, rinse thoroughly. Avoid use of bright metal polishes containing harmful abrasives.

**NOTE:** In severe cases, road oil and tar may be removed from bright metal parts by a chemical cleaner which is specified safe to use on all acrylic finishes.

A protective coating such as GM Chrome Gard may be applied on clean chrome

surfaces which are stain and rust free. If necessary, GM Chrome Cleaner and Polish may be used to remove rust from chrome plate parts before applying a protective coating.

### Waxing and Polishing

Even though the acrylic paint on your car is durable, under certain conditions it may be advisable to wax or polish your car to provide added protection. Calcium chloride and other salts, road oil and tar, tree sap, chemicals from factory chimneys and other foreign matter may damage any known automobile finish if allowed to remain in contact with the paint film. Prompt washing may not thoroughly remove these deposits. This is particularly true in geographical areas where these exposures conditions are severe. Properly applied polishes and waxes of known quality will provide the best protection. Most Oldsmobile Dealers offer polishes or waxes which can be of real value in maintaining a good paint finish.



## Convertible Top

The folding top material will retain its luster and bright appearance with frequent washing using neutral soap suds, lukewarm water and a soft bristle brush. In the event heavy soilage or persistent stains are encountered, cleaning with a mild foaming cleanser, lukewarm water and a soft bristle brush will normally be sufficient. Regardless which cleaning method is used, a generous amount of clean rinse water must be applied to insure complete removal of soap suds from the top material and all adjacent body panels.

**CAUTION:** The folding top should never be subjected to volatile cleaners or household bleaches. Also, after cleaning is completed, the top material must be allowed to thoroughly dry before it is lowered.

The rear window in the back curtain may be cleaned in the same manner as all body glass. Volatile cleaning agents must be avoided as these liquids could have a

deteriorating effect should they come in contact with the back curtain or any painted finish.

## Vinyl-Covered Roof Tops

Ordinarily plain water is sufficient to clean the optional vinyl tops when the car is washed frequently. However, to remove accumulated dirt and grime, use a soft, natural bristle brush with GM All Purpose Cleaner Concentrate and lukewarm water. Scrub in all directions, covering a 2-foot area at a time. Carefully, overlap each section to avoid streaking and then rinse with plenty of water to remove all suds and dirt.

## Glass and Mirrors

Never wipe glass with dry paper or cloth or operate the wipers when the glass is dry. Dirt and insects can be removed with clear

water or a mild liquid household cleaner. The use of harsh abrasives should be avoided. Periodic inspection and replacement of wiper blades will reduce the possibility of the windshield becoming scratched and will assure clear vision under adverse driving conditions.

## Touch-Up Paint

Nicks and chips in paint surfaces should be touched up before weathering action begins. The best time to detect them is right after the car has been washed. Touch-Up Paint to match your car's color is available at most Oldsmobile Dealers.

## Undercoating

When applying this added protection, the undercoating material should not be applied to any moving or rotating parts. It should also be kept off air conditioner fittings and lines, body drainholes, and exhaust systems.

## SERVICE & MAINTENANCE

### Fuel Requirements

Your Oldsmobile is designed to operate efficiently on fuel of approximately 91 Research Octane Number or higher, commonly sold in the United States and Canada. Use of a fuel which is too low in anti-knock quality will result in "spark knock" and/or "after-run". Since the anti-knock quality of all gasolines is not the same and factors such as altitude, terrain, and air temperature affect operating efficiency, knocking and/or "after-run" may result even though you are using the fuel recommended. If these conditions persist, consult your authorized Oldsmobile Dealer.

In any case, continuous or excessive knocking may result in engine damage and constitutes misuse of the engine for which Oldsmobile Division is not responsible under the terms of the New Vehicle Warranty.

*NOTE: Refer to the Air Pollution Control Section regarding the importance of using unleaded or low-leaded gasolines.*

### Fuel Filler Tube Location

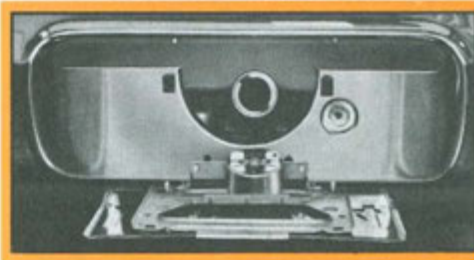


Access to the fuel tank filler tube is gained through the door in the left rear fender on station wagons and behind the rear license plate on all other models.

**Gas Cap** — The fuel tank filler cap has a new two-step removal and installation procedure plus a pressure-vacuum safety relief valve.

It is equipped with a double set of locking tangs. To remove:

- Rotate cap one-half turn counterclockwise to clear the first set of tangs from the slots inside the filler neck.
- This will allow any residual pressure to escape.
- Pull the cap outward and rotate one-quarter turn counterclockwise to clear second set of tangs. Then remove the cap.
- To install, reverse this procedure.



*NOTE: If this cap requires a replacement, only a cap with these same features should be used. Failure to use the correct cap can result in a serious malfunction of the system. Correct replacement caps may be obtained from your Oldsmobile or GM dealer.*



## Safety Hood Latches

The hood is unlatched in two steps by means of disengaging the primary and secondary levers. The primary lever is accessible just below and to the right of the center grille when viewed from the front of the car. Pulling on the "T" type handle will release the hood, but it will be prevented from opening further by a secondary latch, located between the upper center grille and hood panel just to the right of the center. This lever must be moved, allowing the

hood to be raised. After closing, always check to make sure the hood is properly secured.

Every 4 months or 6,000 miles, whichever occurs first, lubricate hood latch and hood hinge assembly as follows:

1. Wipe off any accumulation of dirt or contamination on latch parts.
2. Apply Lubriplate or equivalent to latch pilot bolts and latch locking plate.
3. Apply light engine oil to all pivot points





in release mechanism, as well as primary and secondary latch mechanisms.

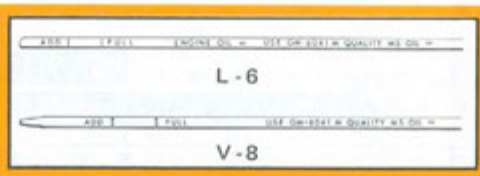
4. Lubricate hood hinges.
5. Make hood hinge and latch mechanism functional; Check to assure the assembly is working correctly.

## Engine Oil Recommendations

Use only engine oil which meets oil quality standard GM 6041-M. High quality oils which are intended for service MS and pass car makers' tests are of this quality. The oil change interval (see paragraph on "Engine Oil Change Interval") and the new vehicle warranty are based on the use of oils that meet these requirements.

**NOTE:** *Non-detergent and other low quality oils are specifically not recommended. The use of proper engine oils and oil change intervals are your best assurance of continued reliability and performance from your Oldsmobile engine.*

**Checking Oil Level** — The engine oil should be maintained at the proper level. The best time to check it is before operating the engine or as the last step in a fuel stop. This will allow the normal oil accumulation in the engine to drain back in the crankcase. To check the level, remove the oil level gauge rod (dip stick), wipe it clean and reinsert it for an accurate reading. The oil gauge rod is marked "FULL" and "ADD". The oil level should be maintained within the margin, neither going above the "FULL" line nor below the "ADD" line. Reseat the gauge rod firmly after taking the reading.



**NOTE:** *The oil gauge rod is also marked, "Use GM 6041-M Quality MS Oil," as a reminder to use only high quality oils as prescribed under "Engine Oil Recommendations."*

**Supplemental Engine Oil Additives** — The regular use of supplemental additives is specifically not recommended and will increase operating costs. However, in cases of specific problems which may arise under certain conditions, additive supplements are available that can effectively and economically solve these problems without causing other difficulties. For example, if higher detergency is required to reduce varnish and sludge deposits resulting from some unusual operational difficulty, a thoroughly tested and approved concentrate — "Engine Oil Supplement" — is available at your Oldsmobile Dealer. It is suggested that, in the event of an operational problem, you consult your dealer for advice.

**Ventilation Filter (All V-8)** — Remove the crankcase ventilation filter at each change of the oil filter (more often under dusty conditions), wash in kerosene, dip in engine oil, allow excess oil to drain and reinstall.

**Engine Oil Change Interval** — Change oil each 4 months. If more than 6,000 miles are driven in a 4-month period, change oil each 6,000 miles.

In certain types of service including:

- operation under dusty conditions,
- trailer hauling,
- extensive idling, or
- short trip operation at freezing temperatures (engine not thoroughly warmed up)

the oil change interval should not exceed 2 months, or 3,000 miles, whichever occurs first.

Operation in dust storms may require an immediate change of oil. See your Oldsmobile Dealer for advice on the frequency of oil and filter changes under unusual driving conditions.

The preceding recommendations apply to the first change as well as subsequent oil changes. The oil change interval for your Oldsmobile engine is based on the use of oils that meet the requirements indicated in the section on "Engine Oil Recommendations" Oil change intervals longer than those listed will result in serious

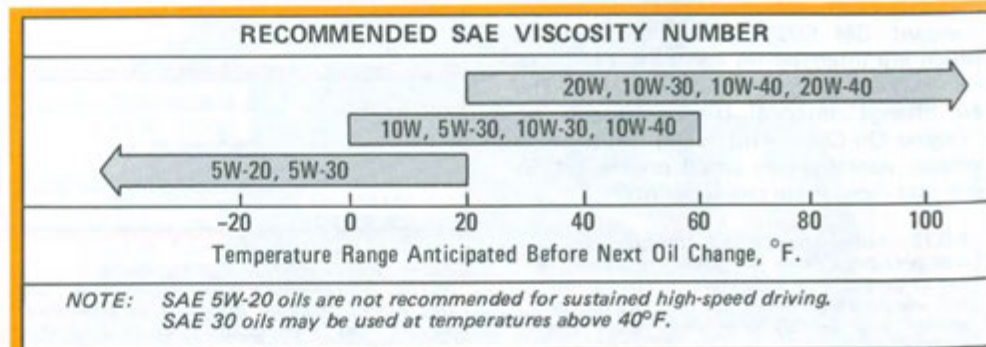
reductions in engine life and may affect Oldsmobile's obligation under the provisions of the new vehicle warranty.

A high quality MS oil meeting General Motors Standard GM 6041-M was installed in your engine at the factory. It is not necessary to change this factory-installed oil prior to the recommended normal change period. However, the oil level should be checked more frequently during the break-in period since somewhat higher

oil consumption is normal until the piston rings become seated.

**Recommended Viscosity** — The proper viscosity helps assure good cold and hot starting by reducing friction and thus increasing cranking speed. The following chart will serve as a guide for selecting the proper oil viscosity.

**Engine Oil Filter Replacement** — The engine oil filter should be replaced at the



first oil change and every second oil change thereafter. This recommendation is based on the use of engine oils that meet the requirements indicated in the section on "Engine Oil Recommendations," and the use of a quality oil filter. AC Oil Filters provide maximum engine protection.

## Transmission Fluid Recommendations

**Automatic**—General Motors DEXRON® Automatic Transmission Fluid, Part No. 1050568, and United Delco DEXRON® Automatic Transmission Fluid, Part No. 301-HD, which have been especially formulated and tested for use in your automatic transmission are recommended. Other automatic transmission fluids identified with the mark DEXRON® are also recommended.

Check the fluid level at each engine oil change period. To make an accurate fluid level check:

1. Drive car several miles, making frequent starts and stops, to bring transmission

up to normal operating temperature (approximately 180-190°F).

2. Park car on a level surface.
3. Place selector lever in "Park" and leave engine running.
4. Remove dipstick and wipe clean.
5. Reinsert dipstick until cap seats.
6. Remove dipstick and note reading.

If fluid level is at or below the "ADD" mark, add sufficient fluid to raise the level to the "FULL" mark. One pint raises the level from "ADD" to "FULL". Do not overfill.

Under normal driving conditions, the transmission fluid should be changed every 24,000 miles. If your car is driven extensively in heavy city traffic during hot weather, or is used to pull a trailer, change fluid every 12,000 miles. Likewise, operators of cars in commercial use (such as taxicab, limousine or patrol car service) where the engine idles for long periods, should change fluid every 12,000 miles.

**Manual** — Check lubricant level at each engine oil change and add, as required, SAE 80 (preferred) part number GM-1051066 or SAE 90 GL-5 gear lubricant. Periodic or seasonal changes are not recommended.



## Engine Cooling System

The inhibited year-around engine coolant, used to fill the cooling system at the factory is a high quality solution that meets General Motors Specification 1899-M. This factory-fill coolant solution is formulated to withstand two full calendar years of normal operation without draining or adding inhibitors, provided the same concentration of coolant is added if the system needs additional fluid between drain periods. The



original factory-fill coolant provides freezing protection to  $-20^{\circ}\text{F}$  ( $-32^{\circ}\text{F}$  in Canada) and is required for summer cooling.

**Each year**, the cooling system should be serviced as follows:

1. Wash the radiator cap thoroughly with clean water.
2. Check coolant level.
3. Check freeze protection.
4. Pressure test system. The system must hold 15 to 18 psi.
5. Inspect all hoses and clamps.

**NOTE:** *Radiator cap must be tight when re-installed. Make certain red stripe on cap lines up with red stripes on radiator upper support.*

**Every two years**, the cooling system should be serviced as follows:

1. Drain coolant, when hot, through the radiator drain valve.
2. Close valve and add sufficient plain water to fill system.

3. Run engine until normal operating temperature is reached.
4. Drain and refill the system as described in steps 1, 2, and 3 a sufficient number of times until the drained liquid is colorless.
5. Any hose showing an indication of leaking or being abnormally hard or soft should be replaced.
6. Allow system to drain completely and then close radiator drain valve tightly.
7. Add the necessary amount of high quality inhibited glycol base coolant meeting GM Specification 1899-M to provide the required freezing and corrosion protection (at least to  $-20^{\circ}\text{F}$ , or  $-32^{\circ}\text{F}$  in Canada).

**NOTE:** *Addition of supplemental additives and other available materials which have not been specifically approved by GM are not normally required in your car. Use of these materials will result in unwarranted operating expense.*

8. Run engine until normal operating temperature is reached.
9. Check and adjust level of coolant after system has cooled sufficiently to remove radiator cap.

**NOTE:** *Alcohol or methanol base coolants or plain water are not recommended for your Oldsmobile at any time.*

It is the owner's responsibility to keep the freeze protection at a level commensurate with the temperatures which may occur in the area in which the vehicle will be operated. Regardless of whether freezing temperatures are or are not expected, cooling system protection should be maintained at least to  $-20^{\circ}\text{F}$  to provide adequate corrosion and overheating protection. When coolant additions are required because of coolant loss or to provide additional protection against freezing at temperatures lower than  $-20^{\circ}\text{F}$  ( $-32^{\circ}\text{F}$  in Canada), a sufficient amount of an ethylene glycol base coolant meeting GM Specification 1899-M should be used.

## THERMOSTAT

The cooling system is protected and controlled by a thermostat installed in the engine coolant outlet to maintain a satisfactory operating temperature of the engine. This thermostat is designed for continuous use through both Winter and Summer and need not be changed seasonally. When replacement is necessary, specify United Delco parts.

### CAUTION: RADIATOR CAP

- To prevent loss of coolant and avoid the danger of being burned, coolant level should be checked, and coolant added only when engine is cool.
- Do not remove radiator cap while engine and radiator are still hot, because the cooling system will blow out scalding fluid and steam under pressure.

### To remove cap when engine is cool:

- Slowly rotate cap counterclockwise to detent (DO NOT PRESS DOWN WHILE ROTATING.)

- Wait until any residual pressure is relieved-as indicated by a hissing sound.
- Press down on cap while continuing to rotate counterclockwise.

Radiator pressure caps should be checked by a qualified mechanic periodically for proper operation and replaced as required with the applicable AC type.

## Air Conditioning

**IMPORTANT:** Have a thorough service inspection performed before operating the unit at the beginning of the cooling season or as otherwise indicated as follows:

- Check refrigerant and replenish as necessary. Over the period of a year, the system may lose refrigerant through normal operation.
- Check and adjust compressor belt tension.
- Remove road accumulation from condenser (bugs, etc.) at least every 2,000 miles.

## Air Cleaner

The air cleaner is a disposable type element. Replace the element every 24,000 miles. Do not wash, oil, or clean with air hose. The air cleaner will require more frequent service under dusty conditions. Your Oldsmobile Dealer can advise you on the proper interval. For maximum protection specify an AC ACron air filter element.

The engine air cleaner should be installed at all times unless temporary removal is necessary during repair or maintenance of the vehicle, because in the absence of the air cleaner backfiring could cause fire in the engine compartment.

## Ball Joints

The ball joints should be lubricated at every engine oil change, using a water resistant E.P. chassis lubricant, which meets GM Specifications 6031-M. Inspect seals for damage at each lubrication.

## Brake Lining Inspection

Brake linings should be periodically inspected for wear by a qualified technician. The frequency of this inspection depends upon the driving conditions such as traffic or terrain, and also the driving techniques of individual owners. Your Oldsmobile Dealer is best qualified to advise you as to how often this inspection should be performed. The effectiveness of the parking brake is related to rear brake lining wear and should be adjusted at the time of lining inspection. If replacement parts are required, specify General Motors and United Delco parts.

## Brake Master Cylinder

Check the fluid level at each oil change period. Wipe off the brake cylinder filler cap and unsnap the retainer. On all standard and power brakes, the fluid level must be maintained at 1/4 inch below the top of EACH reservoir with Delco Supreme No. 11 Hydraulic Brake Fluid or equivalent.

When replacing the cap be sure to fasten the retainer securely.

## Carburetor

To meet Federal Exhaust Emission Requirements and to obtain maximum engine performance and fuel economy, carburetor idle speeds should be checked as recommended in the Maintenance Schedule. If engine stalls, idles too fast or idles roughly, it should be adjusted. The carburetor fuel inlet filter should be replaced every 12 months, or more often, if necessary.

*NOTE: Some engines will increase in idle speed during the break-in period. If this occurs, an idle speed adjustment should be made. Refer to label in engine compartment for correct specifications.*

## Clutch Pedal Adjustment

The pedal should be adjusted from time to time so that it has free travel before the clutch actually begins to disengage. The pressure of one finger should be enough to push the pedal in about 3/4 inch to 1 inch

before resistance of the clutch springs is felt. If there is little or no "pedal (clutch) lash," the clutch may be slipping and this will cause it to wear faster. If there is too much "pedal lash," the clutch may not disengage completely, causing gear shifting trouble. When "pedal lash" is less than 1/2 inch or more than 1 inch, an adjustment should be made by your Oldsmobile Dealer.

## Differential

**Standard** — Check lubricant level at each engine oil change period and add lubricant, if necessary, to fill to level of filler plug hole. Use SAE 80 or SAE 90 GL-5 Gear Lubricant which are available at your Oldsmobile Dealer. Periodic or seasonal changes are not recommended.

**Anti-Spin** — (Requires special lubricant properties.) Check lubricant level at each engine oil change and add, as required, only with special lubricant Part Number GM-1051022 available at your Oldsmobile Dealer to assure proper function of the



unit. It is necessary to change the lubricant only at the first 12 months or 12,000 miles, whichever occurs first, except under heavy duty operating conditions such as trailer hauling. For heavy duty operations, it is recommended that the lubricant be replaced every 12,000 miles.

## **Distributor and Spark Plugs**

To meet Federal Exhaust Emission Requirements and to obtain maximum engine performance and fuel economy, engine tune-up operations should be performed at the service intervals recommended in the Maintenance Schedule. This includes adjusting or replacing the distributor points, setting the timing, cleaning and gapping or replacing the spark plugs.

## **Energizer (Battery)**

It is important that the Energizer receive the following care:

1. Check the fluid level in each cell at each engine oil change or once each month, whichever occurs first, and more often in hot weather. If low, add distilled water to bring the level to the bottom of the split ring in the cell filler well. Do not overfill and never add any substance to the fluid except colorless, odorless drinking or distilled water.
2. Keep your Energizer, Energizer cable clamps, and Energizer hold-down bracket clean. Cleaning should be done every 12 months. Use a brush and a solution of ammonia and water or baking soda and water. Flush off with clear water. After cleaning, apply petroleum jelly or petrolatum to Energizer cable clamps and terminals to retard corrosion.
3. If Energizer performance becomes questionable, have your dealer give the Energizer a "421 Test."

For maximum wattage requirements specify a Delco Energizer at replacement time.

**BATTERY—GAS WARNING:** Since normal battery or Energizer chemical action generates hydrogen gas which is explosive when mixed with air, never expose the battery to an open flame or electric spark. Also, avoid getting battery fluid, which is a sulfuric acid solution, on skin, on clothing or other fabrics, or on painted surfaces. Eye protection should be worn while working on the battery for any reason.

Hydrogen gas may be released by a battery and is generally present when the battery has been, or is charging. If the booster battery is part of another vehicle's electrical system, the booster battery should be treated carefully when using jumper cables—follow exactly the procedure outlined, being careful not to cause sparks which could ignite any hydrogen which might be present when attaching jumper cable clips to the two batteries.

**CAUTION:** Do not attempt to jump start a frozen battery. If a frozen battery is suspected, open and examine all fill vents on the battery. If ice can be seen, or the electrolyte fluid cannot be seen, do not attempt to start with jumper cables.

## Front Wheel Bearings

Clean, inspect and repack with a good high melting point wheel bearing grease only when brake maintenance necessitates removal of front drums or discs; otherwise, no periodic maintenance is required.

## Linkage and Body Lubrication

Every engine oil change the transmission and Cruise Control linkage, hood hinges, stops and latches should be lubricated. The following points, requiring body lubrication, should also be checked and lubricated every engine oil change: hinges on all doors, fuel filler door, trunk lid, door lock striker, door jamb switches, and convertible top linkage.

## Positive Crankcase Ventilation Valve

At the first oil change, the operation of the P.C.V. valve should be inspected. The

P.C.V. valve should be replaced and the system hoses and fittings inspected and cleaned or replaced, if necessary, every 24 months or 24,000 miles, whichever occurs first, more often under dusty driving conditions. At replacement time specify an AC P.C.V. valve.

*NOTE: If the positive crankcase ventilator valve should become clogged, the engine idle will be adversely affected. Therefore, if the engine idle becomes too slow or rough, the ventilator valve should be checked before any carburetor adjustments are made to compensate for the trouble.*

## Power Steering System

Check the fluid level in the pump reservoir at each engine oil change period with fluid at operating temperature. Add fluid as necessary. Fill reservoir only to the mark. Use Power Steering Fluid, Part Number GM-1050017. If not available, use General Motors DEXRON Automatic Transmission Fluid, Part Number GM-1050568. Replace fluid only if necessary to disassemble.

## Steering Linkage

The steering linkage (tie rods, relay rod and idler arm support) should be lubricated, using a water resistant E.P. chassis lubricant that meets GM specifications 6031-M, at every engine oil change and seals inspected for damage.

## Tires

The factory installed tires on your car are selected to provide the best all around tire performance for all normal operation. When inflated as recommended in the accompanying tire inflation pressure table, they have the load carrying capacity to operate satisfactorily at all loads up to and including the full rated load specified in that table at all normal highway speeds. In addition, for those owners who prefer the utmost in comfort, optional tire inflation pressures may be used when loads of five passengers or less are carried.

For the added convenience of owners, many Oldsmobile dealers are equipped to



handle tire warranty adjustment on certain makes of tires provided on 1971 Oldsmobile cars.

**Tire Traction** — A decrease in driving, cornering, and braking traction occurs when water, snow, ice, gravel, or other material is on the road surface. Driving practices and car speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tire and road surface. This phenomenon, known as hydroplaning, may cause partial or complete loss of traction, which adversely affects vehicle control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed:

1. Slow down during rainstorms or when roads are slushy.
2. Slow down if road has standing water or puddles.
3. Replace tires when tread wear indica-

tors are visible. (See safety checks section.)

#### 4. Keep tires properly inflated.

For temporary assistance when traction is lost on ice or snow, the use of AC Liquid Tire Chain is recommended.

### INFLATION PRESSURE

The tire inflation pressures listed in the accompanying table have been selected to provide you with the best tire life and riding comfort over the full range or normal driving conditions.

The use of improper tire inflation pressures can affect tire life and load carrying capacity, and may affect vehicle handling. Inflation pressures should be checked at least once a month (and preferably oftener) to insure that the right amount of air is contained in the tires. With regard to tire life, too little air pressure allows abnormal deflection of the tire causing excessive operating temperatures, while too much air pressure prevents normal deflection, making the cord body more vulnerable to road impacts.

**RECOMMENDED TIRE INFLATION PRESSURES**  
(Pounds Per Square Inch Cool)

Models	Standard Inflation For All Loads Including Full Rated		Optional Inflation For Reduced Loads	
All Except Station Wagons Equipped With:	1 to 6 Passengers + 200 Lbs. Luggage (1100 Lbs. Load)		1 to 5 Passengers (750 Lbs. Maximum Load)	
	Front	Rear	Front	Rear
L-6 or 350 V-8 Engine and 455 V-8 Engine	26 Lbs.	28 Lbs.	24 Lbs.	24 Lbs.
Cutlass Station Wagons	1 to 6 Passengers + 300 Lbs. Luggage (1200 Lbs. Load)		1 to 5 Passengers (750 Lbs. Maximum Load)	
	Front	Rear	Front	Rear
	24 Lbs.	32 Lbs.	22 Lbs.	26 Lbs.

Use of optional inflations is allowable only with a reduced load (one to five passengers). When operating at loads greater than the optional reduced load, the inflation pressure must be increased to the standard inflation for full rated loads.

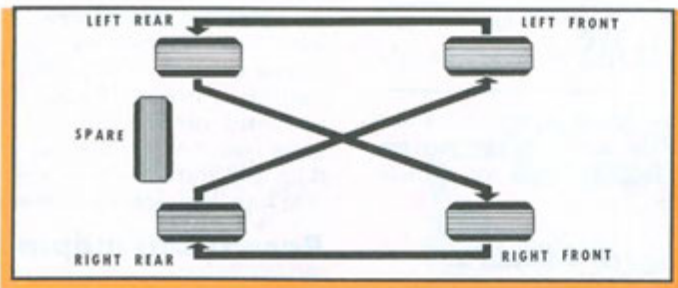


1. Tire inflation pressure may increase as much as 6 pounds per square inch (psi) when hot.
2. For continuous high speed operation (over 75 mph) increase tire inflation pressure 4 pounds per square inch over the recommended pressures up to a maximum of 32 pounds per square inch cold for load range B tires. Sustained speeds above 75 mph are not recommended when the 4 pounds per square inch adjustment would require pressures greater than the maximum stated above.
3. Cold tire inflation pressure: after vehicle has been inoperative for 3 hours or more, or driven less than 1 mile. Hot tire inflation pressure: after vehicle has been driven 10 miles or at speeds of more than 60 miles per hour.
4. Station Wagon loads should be distributed as far forward as possible.
5. Vehicles with luggage racks do not have a vehicle load limit greater than specified.

TIRE USAGE			
Models	Equipment	Standard	Optional
All F-85 and Cutlass (Except Station Wagons & Vista Cruiser)	L6 Engine and 350 V8 Engine without Air Conditioning	F78 x 14 Black	F78 x 14 White G70 x 14 White Letters G70 x 14 White Stripe 8.25 x 14 White (Export)
	350 V8 Engine with Air Conditioning and 455 V8 Engine	G78 x 14 Black	G78 x 14 White G70 x 14 White Letters* G70 x 14 White Stripe* 8.25 x 14 White (Export)
	442	G70 x 14 White	G70 x 14 White Letters G70 x 14 White Stripe 8.25 x 14 White (Export)
Cutlass Station Wagons & Vista Cruiser	All	H78 x 14 Black	H78 x 14 White 8.55 x 14 White (Export)

\*Coupes and Convertibles Only.

All Standard and Optional Tires are Load Range B, Fiberglass Belted Polyester Cord Except Export Tires which are Nylon.



6. When towing trailers, the allowable passenger and cargo load must be reduced by an amount equal to the trailer tongue load on the trailer hitch.

Only those tires of the size shown on the adjacent table are recommended for use on Oldsmobiles. Use of any other size tire may seriously affect ride, handling, ground clearance, tire clearance, and speedometer calibration. To achieve best all around vehicle handling performance, fiberglass belted tires and bias ply tires should not be mixed on the same car. Because of possible adverse effects on vehicle handling, do not mix radial ply tires with other type tires on the same vehicle.

**Tire Rotation Information** — To equalize wear it is recommended that the four road tires to be rotated every 6,000 miles in accordance with diagram. It is not necessary to rotate the spare. Upon rotation, tire pressures must be adjusted (front and rear) in accordance with the recommendations in the tire inflation pressure table.

## Operation in Foreign Countries

If you plan to operate your Oldsmobile outside the continental limits of the United States or Canada, there is a possibility that the best fuels available are so low in anti-

knock quality that excessive knocking and serious engine damage may result from their use. To minimize this possibility, write to Oldsmobile Division, Service Department, Lansing, Michigan 48921, giving:

- The vehicle identification number (on plate on instrument panel ahead of the steering wheel and visible through the windshield, or from registration slip or title).
- The country or countries in which you plan to travel.

You will be furnished details of adjustment or modifications which should be made to your engine at your Oldsmobile Dealership prior to your departure. Failure to make the necessary changes to your car and subsequent operation under conditions of continuous excessive knocking constitutes misuse of the engine for which the Oldsmobile Division is not responsible under the terms of the Oldsmobile New Vehicle Warranty.

After arriving in a foreign country, determine and use the best fuels available.

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# AIR POLLUTION CONTROL SYSTEMS

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## What You Should Know About Air Pollution Control Systems and the Service They Require

### *Source of Emissions*

During the combustion process in an automotive engine, some of the fuel (hydrocarbons) fail to burn completely and is discharged into the engine crankcase or exhaust system. Additional hydrocarbons are emitted into the atmosphere through evaporation of gasoline vapors from the fuel tank and carburetor. Of the total hydrocarbons coming from uncontrolled automobiles, about 20 percent are emitted from the crankcase, 20 percent from the fuel system and 60 percent from the engine exhaust.

In addition to hydrocarbons, carbon

monoxide and oxides of nitrogen are also formed during the combustion process. These are also discharged into the exhaust system.

### *What General Motors Has Done*

Since research on the control of vehicle emissions first began some 20 years ago, General Motors has developed a number of control systems which are highly effective in reducing undesirable emissions.

(These systems are discussed in some detail in the following pages of this section.) The progress made is evidenced by a reduction in hydrocarbon emissions of 80 percent since 1960. Control of hydrocarbon emissions is important since, when subjected to sunlight under the proper conditions, they react with other gases to form photochemical smog, which is so prevalent in Los Angeles.

In addition, carbon monoxide emissions have been reduced by about 65 percent compared with 1960 model cars without controls. Although carbon monoxide does not enter into the complex photochemical smog reaction, it is toxic at high concentrations and thus, has been controlled to prevent high atmospheric concentrations.

### *Recent Developments*

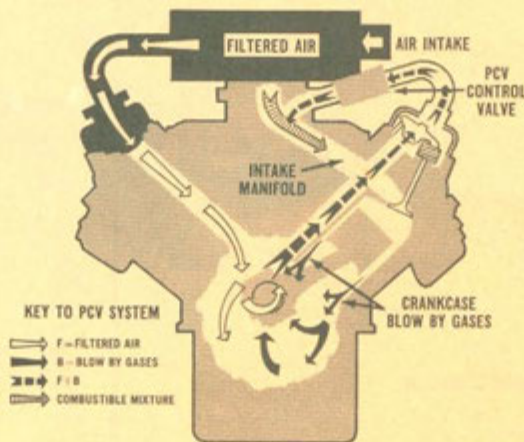
Another important advancement in air pollution control has been the reduction in lead level or elimination of lead from some grades of gasoline. (Certain lead compounds have been used for many years as additives to increase octane ratings.) All 1971 General Motors cars including your Oldsmobile are designed to operate on unleaded or low-lead (zero to 0.5 grams per gallon) gasolines. However, any gasoline with 91 Research Octane Number or higher will satisfy your engine's octane requirements. Use of unleaded or low-lead gasoline will keep your engine running efficiently and play an important part in reducing exhaust emissions of hydrocarbons and particulates.



## Your Role in Controlling Air Pollution

1. **Use Unleaded or Low-Lead Fuels** — To obtain maximum results in the reduction of automotive emissions, use an unleaded gasoline. If such gasoline is not available, you may use a leaded regular grade gasoline.
2. **Have The Air Pollution Control Systems on Your Car Serviced Regularly** — The following pages of this section describe the emission control systems on Oldsmobile vehicles and provide information on their proper maintenance. By following these recommended maintenance services you will help assure cleaner air and provide a better running, longer lasting engine and greater all around satisfaction, economy and performance.

## Positive Crankcase Ventilation (PCV)



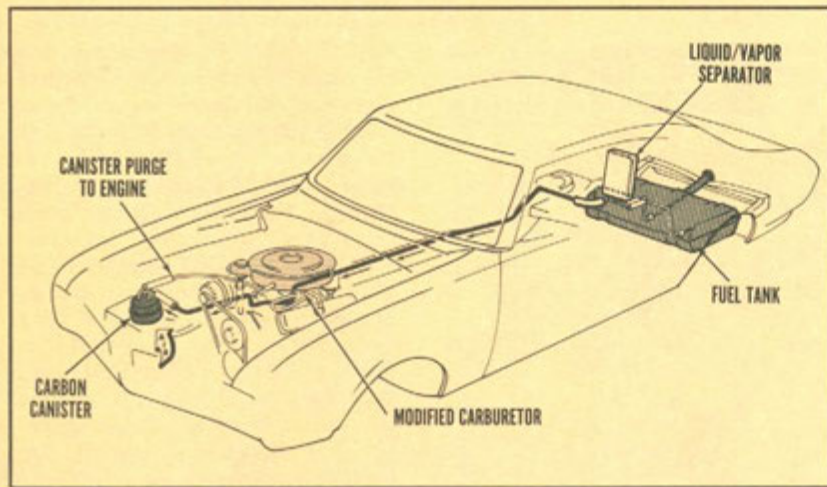
**OPERATION:** All General Motors, gasoline engine powered vehicles are equipped with Positive Crankcase Ventilation—a system which permits no crankcase emission to be discharged into the atmosphere. To function properly, the system depends on

the PCV Valve which returns blow-by gases to the combustion chamber where they are burned.

**MAINTENANCE:** This valve must be clean in order to maintain efficient engine operation. An inspection of the ventilation filter should be made at the first oil change (4 months or 6,000 miles, whichever occurs first). At each subsequent oil filter change, more often under dusty conditions, the ventilation filter should be washed in kerosene, dipped in engine oil, drained and re-installed. Under normal driving conditions, the PCV Valve should be replaced every 24 months or 24,000 miles, whichever occurs first, and all hoses and fittings should be inspected and cleaned or replaced, as necessary. Replace the PCV Valve and inspect related parts every 12 months or 12,000 miles when the vehicle is used in a service requiring more frequent engine oil change as covered in the maintenance schedule.

**NOTE:** Emission control systems in this section are illustrated on V-8 engines; systems on 6 cylinder engines are similar.

## Evaporation Control System



**OPERATION:** All General Motors passenger cars and light trucks are equipped with an Evaporation Control System. This system is designed to minimize the escape of fuel vapors to the atmosphere. Included in

the system are a special fuel tank, liquid-vapor separator, carbon canister, canister purge hoses, and carburetor modifications. Fuel vapors which would otherwise escape to the atmosphere are directed into the

carbon canister. The carbon absorbs the vapors and stores them. The vapor is removed from the canister during periods of engine operation as manifold vacuum draws the vapors into the engine and burns them.

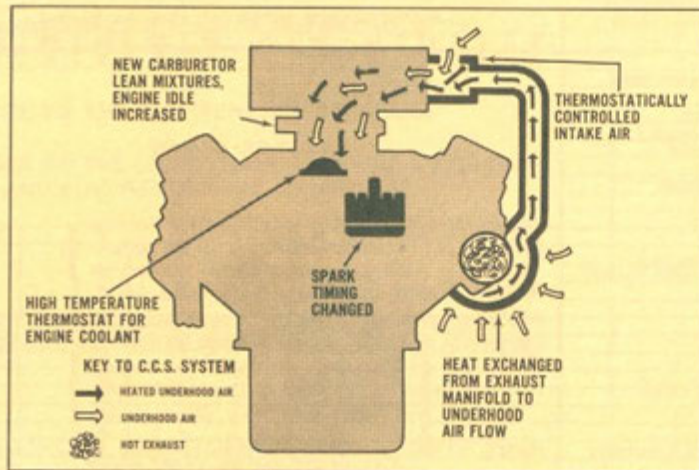
**NOTE:** The General Motors Evaporation Control System is designed to control evaporation losses from your car under normal conditions using 9 lb. Reid Vapor Pressure fuel specified by Federal and California test requirements. However, if you should use fuel of abnormally high volatility for existing temperature conditions, you may detect a gasoline odor during or after driving in heavy traffic. If you find this objectionable, you may prefer to use a lower volatility fuel.

**MAINTENANCE:** For proper system performance, periodic canister filter servicing is required. Every 12 months or 12,000 miles, whichever comes first, (more often under dusty conditions) the filter in the base of the canister should be replaced and the canister inspected.

**NOTE:** Should it ever be necessary to replace the fuel tank cap, use only the specified cap.



## Controlled Combustion System (CCS)



**OPERATION:** The Controlled Combustion System is entirely separate from the Positive Crankcase Ventilation System and is designed to reduce pollutants in the exhaust by altering the combustion process. CCS is a combination of design fea-

tures including a special air cleaner which incorporates thermostatic control of heated air to the carburetor, a special calibrated carburetor and distributor and a modified combustion chamber design.

**MAINTENANCE:** Complete effectiveness of the system, as well as full power and performance, depend upon engine idle speed, ignition timing, and dwell being set according to the specifications shown on a label under the hood. These adjustments should be checked at the first oil change (4 months or 6,000 miles, whichever comes first). Subsequent checks should be made at 12 month or 12,000 mile intervals, whichever comes first. These adjustments are also included as part of the quality tune-up recommended at the same intervals.

### Do Your Share For Cleaner Air!

- Use unleaded or/low-lead fuels.
- Follow the periodic service recommendations.

**NOTE:** For your convenience, all of the recommended services for air pollution control systems previously discussed are summarized by time and mileage intervals in Section 8, "Maintenance Schedule", of this manual.



# 1971 OLDSMOBILE MAINTENANCE SCHEDULE

MAINTENANCE SERVICE	MAINTENANCE INTERVAL (Time in Months)											
	4	8	12	16	20	24	28	32	36	40	44	48
<ul style="list-style-type: none"> <li>ENGINE OIL—Change</li> <li>FLUID LEVELS, All—Check and Add if Necessary (except manual steering gear)</li> <li>TIRE AND WHEEL CONDITION—Inspect</li> <li>BRAKE FLUID LEVEL—Check; BRAKE LINES AND HOSES—Inspect</li> <li>STEERING LINKAGE—Inspect; EXHAUST SYSTEM—Inspect</li> <li>POWER STEERING BELT, FLUID LEVEL, PIPES AND HOSES—Check</li> <li>LUBRICATE— <ul style="list-style-type: none"> <li>STEERING LINKAGE AND BALL JOINTS—(Check seals for damage)</li> <li>HOOD STOPS, HINGES, LATCHES AND ALL BODY HINGES</li> <li>LINKAGE (Transmission, Cruise Control, Manual Shift and Clutch)</li> </ul> </li> </ul>	X	X	X	X	X	X	X	X	X	X	X	X
EACH OIL CHANGE												
<ul style="list-style-type: none"> <li>ENGINE OIL FILTER—Replace</li> <li>EMISSION CONTROL ADJUSTMENTS— <ul style="list-style-type: none"> <li>SPARK PLUGS—Clean and Gap or Replace (Not required at first 4-month interval)</li> <li>DISTRIBUTOR POINTS—Adjust or Replace and Set Timing</li> <li>CARBURETOR—Adjust Idle Speeds</li> <li>P.C.V. VALVE—Replace</li> <li>VENTILATION FILTER L-6—Replace</li> <li>VENTILATION FILTER V-8—Clean and Re-oil</li> <li>CANISTER FILTER—Replace</li> </ul> </li> </ul>	X		X		X		X		X		X	
AT 24 MONTHS OR 24,000 MILES (WHICHEVER OCCURS FIRST)												
EVERY 24 MONTHS OR 24,000 MILES (WHICHEVER OCCURS FIRST)												
	X		X		X		X		X		X	
BATTERY—Clean terminals and cables (except side terminal battery)			X			X			X			X
HEADLIGHTS—Check Aim			X			X			X			X
CARBURETOR—Replace Fuel Inlet Filter			X			X			X			X
COOLING SYSTEM—Pressure Test, Wash Radiator Cap and Add Coolant if Necessary			X			X			X			X
BRAKES—Inspect	AT LEAST EVERY 12,000 MILES											
BRAKE SYSTEM WARNING LIGHT—Check Operation						X						X
ENGINE COOLANT—Service System and Install New Coolant						X						X
SPEEDOMETER CABLE—Lubricate						X						X
AIR CLEANER ELEMENT—Replace						X						X
AUTOMATIC TRANSMISSION—Change Fluid—Service strainer						X						X
AIR CONDITIONER—Check Operation and Service as Needed	BEGINNING OF EACH COOLING SEASON											
FRONT WHEEL BEARINGS—Repack	ONLY WHEN BRAKE MAINTENANCE REQUIRES DRUM OR ROTOR REMOVAL											
TIRE PRESSURES, All Including Spare—Check When Cold	AT LEAST ONCE A MONTH											
TIRES (Except spare)—Rotate	EVERY 6,000 MILES											
WHEELS—Align and Balance	AS REQUIRED											
MANUAL TRANSMISSION CLUTCH—Check and Adjust	X											
	AS REQUIRED											

The maintenance chart contains a complete summary of the scheduled maintenance recommended for your vehicle.

#### FOOTNOTES TO THE MAINTENANCE SCHEDULE

#### EXCEPTIONS TO THE MAINTENANCE SCHEDULE FOR HIGH MILEAGE AND ADVERSE DRIVING CONDITIONS

ENGINE OIL — { Exceptionally high mileage driver should change oil at six thousand mile interval when this occurs in less than 4 months.  
Under adverse or heavy-duty operations such as dusty conditions, trailer hauling, extensive idling, numerous short trips or prolonged operation at freezing temperatures, change engine oil every 2 months or at three thousand mile intervals, whichever occurs first.

EMISSION CONTROL ADJUSTMENTS—Perform at first oil change and at 12 months or 12,000 mile intervals thereafter.

AIR CLEANER ELEMENT—Replace every 24,000 miles or more often as required when operating under dusty conditions.

AUTOMATIC TRANSMISSION—HEAVY DUTY OPERATION — Change fluid and service strainer every 12,000 miles.

ANTI-SPIN DIFFERENTIAL—HEAVY DUTY OPERATION— Change fluid every 12,000 miles.

### Recommendations for Filters

Item	Usage	Recommendation
Engine Oil Filter	All V-8 250 L-6 Engine	AC Type PF 30 AC Type PF 25
Engine Air Cleaner Element	250 L-6 Engine V-8 2 Bbl. Engines V-8 4 Bbl. Engines	AC Type A 169CW AC Type A 331C AC Type A 212CW
Carburetor Fuel Filter	250 L-6 Engine All V-8 Engines	AC Type GF 427 AC Type GF 441
Positive Crankcase Ventilator Valve	250 L-6 Engine All V-8 Engines	AC Type CV 723C AC Type CV 679C
Crankcase Ventilation Filter	All	No Replacement Required
Canister Filter	All	RPD

# SPECIFICATIONS

## Identification Numbers

**Vehicle Identification Number**—This is the legal number of the vehicle which is embossed on a plate attached to the top of the instrument panel on the driver's side and is easily seen through the windshield from outside the car. It is also imprinted on the Protect-O-Plate and appears on the Vehicle Certificates of Title and Registration.

**Body Identification Number**—The body style number, body serial number, trim number and paint code are shown on a plate affixed to the left side of the cowl and can be seen when the hood is raised.

**Engine Identification Number** — The L-6 Engine has a DATE-CODE stamped on the right side of the engine block, directly to the rear of the distributor. All V-8 engines have the engine unit number stamped on the engine oil fill tube.

## Engine Specifications

ENGINE	250 L-6 1 Bbl.	350 2 Bbl.	350 4 Bbl.	455 2 Bbl.	455 4 Bbl.	455 Performance
Bore and Stroke	3.87 x 3.53	4.057 x 3.385	4.057 x 3.385	4.125 x 4.250	4.125 x 4.250	4.125 x 4.250
Compression Ratio	8.5 to 1	8.5 to 1	8.5 to 1	8.5 to 1	8.5 to 1	8.5 to 1
Cubic Inch Displacement	250	350	350	455	455	455
Horsepower (Taxable)	36	52.7	52.7	54.4	54.4	54.4
Horsepower (Brake) Gross	145 @ 4200	240 @ 4200	260 @ 4600	280 @ 4000	320 @ 4400	340 @ 4600
Horsepower (Brake) SAE Net	110 @ 3800	160 @ 4000	180 @ 4000	185 @ 3600	250 @ 4200	270 @ 4400
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2
Code Number Prefix	VB, VF	QA, QJ, QI	QN, QP, QO, QB	TY, TX	TW, TV, TU	TT, TS
AC Spark Plug Type	SEE TUNE-UP LABEL UNDER CAR HOOD					
Spark Plug Gap						
Distributor Point Dwell						
Ignition Timing						
Energizer (Battery) (Ampere Hours/Number Plates)	Delco Y-55 44/54	Delco R-59 61/66	Delco R-59 61/66	Delco R-71S 73/90	Delco R-71S 73/90	Delco R-71S 73/90
Fuel Recommended	Regular	Regular	Regular	Regular	Regular	Regular



## Technical Data

### DIMENSIONS (IN INCHES)

SERIES	TREAD		WHEEL BASE	OVERALL LENGTH	OVERALL WIDTH
	Front	Rear			
Coupes and Convertibles	59.7	59.0	112.0	203.6	76.8
Sedans	59.7	59.0	116.0	207.6	76.8
Station Wagons	59.7	59.0	116.0	213.3	76.8
Vista Cruiser	59.7	59.0	121.0	218.3	76.8

### CAPACITIES

COOLING SYSTEM	UNITS	U.S. MEASURE	IMPERIAL MEASURE
L-6 Engine	Qts.	13.0	10.75
With Air Conditioning	Qts.	14.0	11.50
350 V-8 Engine	Qts.	16.0	13.25
With Air Conditioning	Qts.	17.0	14.25
455 V-8 Engine	Qts.	17.0	14.25
With Air Conditioning	Qts.	18.0	15.00
(Without Heater Subtract 3/4 of a Quart)			
DIFFERENTIAL	Pts.	3.7	3.0
ENGINE CRANKCASE			
Drain and Refill	Qts.	4.0	3.25
Unit Disassembled or When Changing			
Oil Filter	Qts.	5.0	4.25

### CAPACITIES (continued)

	UNITS	U.S. MEASURE	IMPERIAL MEASURE
FUEL TANK			
All Except Station Wagons	Gals.	20.0	16.75
Station Wagons	Gals.	23.0	19.25
AUTOMATIC TRANSMISSION			
Turbo Hydra-Matic 400			
Drain and Refill	Qts.	3.0	2.5
After Complete Overhaul	Qts.	10.0	8.3
Turbo Hydra-Matic 350			
Drain and Refill	Qts.	3.0	2.5
After Complete Overhaul	Qts.	10.0	8.3
MANUAL TRANSMISSION			
3-SPEED (Except Floor Shift)	Pts.	3.50	3.0
3-SPEED (Floor Shift and 442 Models)	Pts.	4.50	3.75
4-SPEED	Pts.	2.25	1.75
POWER STEERING			
Pump Only	Qts.	.6	.45
Complete System	Qts.	1.2	.9
Radiator Cap Pressure Specification			15-18 psi
Thermostat Temperature Specification			195°F.
TIRE SIZES AND PRESSURES—See Charts in the Tire Section			

## Lamp Specifications

### INTERNAL LAMPS

USAGE	QUANTITY	LAMP NO.
Instrument Cluster Lighting—Speedometer .....	2	194
Instrument Cluster Lighting—Gas Gauge and Tell Tale .....	3*	
Turn Signal Indicator .....	2	
High Beam Indicator .....	1	
Generator Warning .....	1	161
Brake Warning .....	1	
Instrument Panel Floodlights .....	3	
Heater Control—Floodlight .....	1	
Oil Pressure Warning (Exc. Rocket Rallye Pac) .....	1	168
Engine Temp. Indicator (Exc. Rocket Rallye Pac) .....	1	
Clock-Tachometer (Rocket Rallye Pac) .....	2	
Ash Tray Light .....	1	
Rear Defog "ON" Light .....	1	1445
"LIGHTS"—Name Plate Light .....	1	
Radio Dial .....	1	
HMT Shift Indicator—Console Only .....	1	
Console Compartment .....	1	1895
Glove Box .....	1	563
Map Lamp—Panel .....	1	
Map Lamp—Mirror .....	1	

USAGE	QUANTITY	LAMP NO.
Electric Clock (Exc. Rocket Rallye Pac) .....	2	1893
Map Lamp .....	1	563
Dome Lamp .....	1	211
Rear Quarter Lamps .....	2	212
Lamp Over Tailgate (Vista-Cruiser) .....	2	
Courtesy Light .....	2	90
Armrest .....	2	
Courtesy Light—Console .....	1	97
Trunk .....	1	631
Underhood Light .....	1	

### EXTERNAL LAMPS

License .....	1	97
Parking and Turn Signals .....	2	1157NA
Tail and Stop .....	2	1157
Back Up Lamps .....	2	1156
Headlamp—Upper Beam .....	2	L-4001
Headlamp—Upper and Lower Beam .....	2	L-4002
Side Marker—Rear (All Except Station Wagon) .....	2	194
Side Marker—Front .....	2	194

\*Rocket Rallye Pac Gauges and Tell Tale use 2 No. 168 bulbs.

## Fuse Specifications

The following fuses are located in the fuse block on the front passenger compartment wall adjacent to the steering column. Do not use fuses of higher amperage rating than those specified below.

Usage	Name of Fuse Circuit on Fuse Block	Fuse Type and Amperes
Radio . . . . .	Radio	AGC-10
Tape Player . . . . .		
Turn Signal . . . . .	Dir. Sig. Back Up	SFE-20
Back-Up Lamps . . . . .		
Cruise Control . . . . .		
Tail Lamps . . . . .		
Side Marker Lamps . . . . .	Tail	SFE-20
License Lamp . . . . .		
Underhood Lamp . . . . .		
Stop Lamps . . . . .	Stop-Haz.	SFE-20
Hazard Warning Lamps . . . . .		
Instrument Panel Lamps . . . . .	Inst. Lps.	SFE-4
Windshield Wipers . . . . .	Wiper	AGC-25
Heater . . . . .	Heater-A/C	AGC-25
Air Conditioner . . . . .		
Rear Window Defogger . . . . .		
Transmission-Control . . . . .	Gauges-Trans.	AGC-10
Parking Brake Lamp . . . . .		
Electric Windows . . . . .	Pwr. Rly. & Accsy.	SFE-20
Mirror Map Lamp . . . . .		

Usage	Name of Fuse Circuit on Fuse Block	Fuse Type and Amperes
Clock . . . . .	Clk., Ltr.-Ctsy.	AGC-25
Cigar Lighter . . . . .		
Dome Lamp . . . . .		
Courtesy Lamps . . . . .		
Trunk Lamp . . . . .		
Glove Box Lamp . . . . .		

The following circuits employ circuit breakers or have fuses located as indicated:

Headlamps . . . . .	Circuit Breaker	Built-in Light Switch
Directional Signal Flasher	GM Part Number 383638 or 383639 (Exc. Station Wagon and Cutlass Supreme) GM Part Number 383636 or 383637 (All Station Wagons and Cutlass Supreme)	In Clip Behind Instrument Panel
Hazard Warning . . . . .	GM Part Number 3904868	In Fuse Block
Air Conditioner-"Hi" . . . . .	AGA 30	In Harness



## Lubricant Recommendations

ITEM	LUBRICANT
Power steering system and pump reservoir	GM power steering fluid Part No. 1050017*—if not available use DEXRON® automatic transmission fluid
Differential—standard	SAE-80 or SAE-90 GL-5 gear lubricant
Differential—Anti-Spin	Lubricant Part No. 1051022*
Manual Steering Gear	Lubricant Part No. 1051052*
Manual Transmission	SAE-80 or SAE-90 GL-5 gear lubricant
Brake system and master cylinder	Delco Supreme 11 fluid or any SAE 70R3 fluid
Clutch linkage (Man. Trans. only)	
a. Pivot points	Engine oil
b. Push rod to clutch fork joint, and cross shaft pressure fitting	Chassis grease meeting requirements of GM 6031-M
Manual transmission shift linkage, column shift	Engine oil

ITEM	LUBRICANT
Shift linkage, floor shift	Engine oil
Hood Latch assembly	
a. Pivots and spring anchor	Engine oil
b. Release pawl	Light grease
Hood hinges	Engine oil
Automatic Transmission Shift linkage	Engine oil
Chassis lubrication	Chassis grease meeting requirements of GM 6031-M
Automatic transmission	DEXRON® automatic transmission fluid
Parking brake cables	Light grease
Front Wheel bearings	High melting point, water-resistant grease
Body door hinge pins, station wagon tailgate hinge and linkage, station wagon folding seat, fuel door hinge, rear compartment lid hinges	Engine oil
Convertible door to lock wedge plates	Stick-type lubricant
Windshield washer solvent	Part No. 1050001* GM Optikleen washer solvent

\*All materials listed under Part Numbers may be obtained from your authorized Oldsmobile Dealer.

## Owner Relations

The satisfaction and goodwill of the owners of Oldsmobile products are of primary concern to your Dealer and Oldsmobile Division. Normally, any problems that arise in connection with the sales transaction or the operation of your car will be handled by your Dealer's Sales or Service Departments. It is recognized, however, that despite the best intentions of everyone concerned, misunderstandings will sometimes occur. If you have a problem that has not been handled to your satisfaction through normal channels, we suggest that you take the following steps:

**STEP ONE**—Discuss your problem with a member of dealership management. Frequently, complaints are the result of a breakdown in communications and can quickly be resolved by a member of the dealership management. If the problem already has been reviewed with the Sales

Manager or Service Manager, contact the Dealer himself or the General Manager.

**STEP TWO**—Contact the Oldsmobile Zone Office closest to you listed on the opposite page. When it appears that your problem cannot be readily resolved by the dealership without additional assistance, the matter should be called to the attention of the Zone's Service Department and the following information provided:

- Your name, address, telephone number
- Year and model car
- Dealer's name and location
- Vehicle's delivery date and mileage
- Nature of problem

**STEP THREE**—Contact the Customer Service Manager, Oldsmobile Central Office,

Lansing, Michigan 48921. If after an additional review of all facts involved he feels that some further action can be taken, he will so instruct the Zone. In any case, your letter will be acknowledged providing Oldsmobile's position in the matter.

When contacting the Zone or Central Office, please bear in mind that ultimately your problem likely will be resolved in the dealership, utilizing the Dealer's facilities, equipment and personnel. It is suggested, therefore, that you follow the above steps in sequence when pursuing a problem.

Your purchase of an Oldsmobile product is greatly appreciated by both your Dealer and Oldsmobile. It is our sincere desire to assist you in any way possible to assure your complete satisfaction with your vehicle.

## Zone Office Locations

OLDSMOBILE ZONE OFFICES—When calling for assistance, please ask for the Zone Service Department.

Atlanta, Georgia 30303  
Peachtree Center Bldg.  
230 Peachtree St., N.W.  
(404) 523-6961

Boston (Wellesley), Mass. 02181  
Wellesley Office Park  
40 William Street  
(617) 237-4700

Buffalo, New York 14203  
Tishman Building  
10 Lafayette Sq.  
(716) 854-3370

Charlotte, N. C. 28209  
Park Abbey Building  
4600 Park Road  
P.O. Box 11553  
(704) 525-8311

Chicago (Park Ridge), Ill. 60068  
Executive Plaza  
205 West Touhy Ave.  
(312) 698-2211

Cincinnati, Ohio 45237  
Hillcrest Tower - Suite 638  
7162 Reading Road  
(513) 631-2940

Cleveland, Ohio 44116  
Park-West Bldg.  
20545 Center Ridge Rd.  
(216) 333-8484

Dallas, Texas 75201  
Southland Center  
(214) 748-7971

Denver, Colorado 80202  
1212 Security Life Bldg.  
1616 Glenarm Place  
(303) 292-4900

Detroit (Southfield), Mich. 48075  
Northland Towers, Suite 700  
15565 Northland Drive  
(313) 357-1980

Houston, Texas 77025  
Fannin Bank Bldg.  
1020 Holcombe Blvd.  
(713) 748-2260

Indianapolis, Indiana 46205  
2421 Willowbrook Pkwy.  
Suite 308  
(317) 257-5181

Jacksonville, Florida 32207  
Gulf Life Tower, Suite 1742  
Gulf Life Drive  
(904) 398-6401

Kansas City, Mo. 64199  
Commerce Towers Bldg.  
P.O. Box 13247  
(816) 421-6414

Los Angeles (Woodland Hills),  
California 91364  
6355 Topanga Canyon Blvd.  
(213) 884-9400

Memphis, Tennessee 38111  
Century Building  
3294 Poplar Ave.  
(901) 323-4566

Milwaukee, Wisconsin 53226  
Mayfair Plaza  
2421 North Mayfair Rd.  
(414) 778-0130

Minneapolis, Minn. 55435  
Pentagon Office Park  
4640 W. 77th Street  
(612) 920-3200

Newark (East Orange),  
N. J. 07018  
Liberty Mutual Ins. Bldg.  
240 S. Harrison  
(201) 677-1770

New York, New York 10022  
General Motors Bldg.  
767 Fifth Ave.  
(212) 486-2268



Oakland (Walnut Creek),  
California 94596  
Lincoln-Broadway Two Bldg.  
1501 North Broadway  
(415) 933-8282

Omaha, Nebraska 68106  
Univac Bldg. - Room 410  
7100 W. Center Road  
(402) 397-0995

Pittsburgh, Pennsylvania 15222  
1 Gateway Center  
(412) 261-0176

St. Louis, Missouri 63105  
Clayton Inn Office Bldg.  
Suite 1100  
230 S. Berniston Ave.  
(314) 721-4508

Oklahoma City, Okla. 73105  
First Fidelity Ins. Bldg.  
4400 North Lincoln Blvd.  
(405) 424-4311

Philadelphia (Bala-Cynwyd),  
Pennsylvania 19004  
Barclay Building  
City Line and Belmont Aves.  
(215) 839-3890

Portland, Oregon 97204  
Executive Building  
811 S.W. 6th Ave.  
(503) 223-7253

Washington (Silver Spring),  
Maryland 20910  
Summit Office Bldg.  
8555 16th St.  
(301) 585-9832

#### GENERAL MOTORS OF CANADA ZONE OFFICES

Ottawa 8, Ont.  
875 Belfast Road  
(613) 237-5051

Toronto (Don Mills), Ont.  
1200 Eglinton Ave., East  
(416) 446-5000

Regina, Sask.  
581 Park Street  
(306) 643-2224

London, Ont.  
Box 5412 -  
Terminal "A"  
(519) 455-2400

Calgary 2, Alta.  
4220 Blackfoot Trail  
Box 2510  
(403) 243-4621

Montreal, Que.  
5000 Trans-Canada Highway,  
Pointe Clair, 730  
(514) 697-4940

Moncton, N.B.  
653 St. George Street  
(506) 854-1500

Winnipeg 14, Man.  
1345 Redwood Avenue  
(204) 582-2371

Vancouver 4, B. C.  
900 Terminal Avenue  
(604) 684-9444

#### MEXICO

General Motors de Mexico S.A. de C.Y.  
Av. Ejercito Nacional No. 843  
Mexico 5, D.F.  
254-53921

#### HAWAII

Honolulu, Hawaii  
1600 Kapiolani Blvd.  
Suite 714  
946-3988

## NOTES

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# Index

Absorbers, Superlift Shock	.31
Accessory Position, Steering Column Lock	.13
Adjusters, Automatic Brake	.28
Air Cleaner	.53
Air Conditioning	
Four Season Operation	.23
Maintenance	.53
Air Pollution Control Systems	
Controlled Combustion (CCS)	.63
Evaporation Control System	.62
Positive Crankcase Ventilation (PCV)	.61
Your Role in Controlling Air Pollution	.61
Alignment, Wheel	.38
Alternator Indicator Light ("GEN")	.19
Anti-Freeze (See Cooling System)	.51
Anti-Spin Differential	31, 54
Anti-Theft Steering Column Lock	.13
Appearance Care	.43
Ash Trays	.30
Automatic Transmissions	
Fluid Check	.51
Fluid Recommendations	.51
Maintenance	.51
Operation	.14
Starter Safety Switch	.13
Automatic Trunk Release	.26
Axle, Rear, Fluid Level	.54
Maintenance	.54
Ball Joints	.53
Battery, Emergency Starting	.40

Fluid Level	.55
Frozen Battery	.55
Gas Caution	.55
Specifications	.66
Bearings, Front Wheel	.56
Before Driving Your Olds	.2
Belts, Engine Drive	.37
Lap	.6
Shoulder	.7
Blower, Ventilating	.23
Brakes	.27
Lines and Hoses	.36
Linings	.28, 37
Maintenance	.54
Master Cylinder Level	.54
Parking Brake	.28, 37
Pedal Travel	.28
Power	.27
Self-Adjusting	.28
Warning Light	.18
Break-In Period, New Car	.11
Cars Pulling Trailers	.10
Bright Metal Cleaning	.45
Bulbs and Fuses	.68, 69
Bumper Jack, Operation	.41
Cap, Filler	
Engine Oil	.48
Gasoline	.47
Power Steering Reservoir	.48
Radiator	.48, 53
Capacities	.67
Carbon Monoxide Caution	.11

Carburetor & Air Cleaner	.53, 54
Carpet Care	.43
Changing Wheels and Tires	.41
Charging System Indicator Light	.19
Chassis Maintenance	.64
Child Restraint	
Child Safety Seat	.8
Infant Safety Carrier	.8
Chrome Protection	.45
Cigar Lighter	.30
Circuit Breakers, Headlamps	.20
Cleaning, Carpet Care	.43
Convertible Top	.45
Exterior Finish and Trim	.45
Fabric and Interior Trim	.43
Solvents Recommended	.43
Spot Removal	.44
Vinyl Top	.46
Clock	.20
Clutch, Maintenance	.64
Pedal Adjustment	.54
Cold Weather Starting	.14
Complaint Procedure	.71
Conditioner, Air	.23
Controlled Combustion System (CCS)	.63
Controls	.18
Convertible, Care Of Top	.45
Top Operation	.31
Cooling System, Care	.51
Coolant Recommendation	.52
Overheating Caution	.52
Courtesy Lights	.20
Crankcase Ventilation, Positive	.56
Cruise Control	.17



Defogger, Rear Window	24
Defroster, Defogger, Windshield	22
Differential Anti-Spin	31, 54
Dimensions, Vehicle	67
Dimmer Switch, Headlamp	28
Directional Signals	16
Door Locks	2
Drive Belts, Engine	37
Dusty Conditions, Operating Under	65
Electric Clock	20
Emergency, In Case Of	40
Alternator Indicator Not Charging	19
Brake Warning Light	18
Hazard Warning Flasher	16
Jacking To Change Wheels	41
Jump Starting with Auxiliary	
Battery	40
Pushing To Start	40
Towing	40
Emission Control Systems	60
Energizer (See Battery)	55
Engine, Cooling	51
Exhaust Gas Caution	11
Flooded, Starting Procedure	14
Overheating	52
Specifications	66
Starting	13
Temperature Light	19
Engine Oil, Capacity	67
Change Interval	49
Dip Stick	49
Filter	50
Pressure Indicator	19
Recommendation	49

Ethylene Glycol Coolant	52
Exhaust Gas Caution	11
Exhaust System, Inspection	37
Exterior Finish Care	45
Fabric Care	43
Fade Control, Rear Speaker	26
Filters, Air, Fuel, Oil & PCV Valve	65
Flammable Cleaning Solvents	43
Flashers, Hazard Warning	16
Turn Signal	16
Flooded Engine, Starting	14
Floor Controls	27
Fluid Capacities	67
Fluid Levels & Recommendations	36, 51, 70
Fogging, With Air Conditioner	24
Folding Seat Back Latches	3
Folding Seats, Station Wagon	34
Folding Top, Convertible	31
Foreign Countries, Operation In	59
Four Season Air Conditioner	23
Four Way Hazard Warning Flasher	16
Front Suspension	37
Front Wheel Bearings	56
Fuel (See Gasoline)	47
Fuses, Chart	69
Location	42
Gas Station Information	(Inside Back Cover)
Gasoline (See Fuel)	
Do Not Use For Cleaning	43
Filler Cap Location	47
Gauge	19
Low-Lead	47
Recommendations	47

Generator Indicator Light ("GEN")	19
Glass and Mirrors	46
Glove Box	29
Hazard Warning Flasher	16
Headlamp, Aim	37
Flickering (Circuit Breaker)	20
High Beam Dimmer Switch	28
High Beam Indicator	28
Instrument Panel Switch	20
Head Restraints	5
Heated Rear Window	24
Heater Operation	22
Hitches, Trailer	10
Hood Latch, Maintenance	48
Lock	30
Identification Numbers, Body	66
Engine	66
Vehicle	66
Idle Speed Adjustment	64
Ignition, Keys	2
Lock	2
In Case Of Emergency	40
Indicator Lights, Brake	18
Electrical Charging (Alternator)	19
Engine Temperature	19
Oil Pressure	19
Infant Restraining Methods	8
Inflation Pressure, Tires	57
Inlets, Ventilation System	22
Inside Rearview Mirror	4
Inspection (See Safety Checks)	36
Instrument Panel	10

Interior and Instrument Lights .....	20
Interior Appearance Care .....	43
Jack Operation and Storage .....	41
Jump Starting With Booster Battery .....	40
Keys .....	2
Knocking Engine (See Fuel Recommendations) .....	47
Lane Changer and Turn Signal .....	16
Lap and Shoulder Belts .....	6, 7
Latches, Door .....	2
Folding Seat Back .....	3
Hood .....	48
Tailgate .....	33
Lighter, Cigar .....	30
Lights	
Alternator Indicator .....	19
Brake Warning .....	18
Bright Beam Indicator .....	28
Bright Beam Switch .....	28
Bulb Chart .....	68
Courtesy .....	20
Engine Temperature Indicator .....	19
Hazard Flasher .....	16
Headlamp Circuit Breaker .....	20
Headlamps .....	20
Inspection .....	38
Map .....	29
Oil Pressure Indicator .....	19
Sidemarker .....	16
Switch .....	20
Turn Signal Indicator .....	16

Linings, Brake .....	28, 37, 54
Liquid Tire Chain .....	57
Locks, Door .....	2
Glove Box .....	29
Hood .....	30
Ignition .....	13
Power Door .....	2
Steering Column .....	13
Trunk .....	2
Trunk, Remote Control .....	26
Lubrication, Oils .....	49
Recommendations .....	47
Maintenance	
Appearance Care .....	43
Emission Control System .....	60
Safety Checks .....	36
Schedule .....	64
Manual Transmission .....	15
Map Light (Inside Mirror) .....	29
Master Cylinder, Brake .....	54
Metal Cleaners .....	45
Mirrors, Rear View	
Inside, Adjustment Up or Down .....	4
Map Light .....	29
Outside .....	5
Remote Control Outside .....	5
Odometer .....	21
Oil, Engine .....	49
Pressure Indicator Light/Gauge .....	19
Recommendations .....	49
Transmissions .....	51
Viscosity .....	50

Operation In Foreign Countries .....	59
Other Controls and Features .....	29
Owner Relations .....	71
Owner Safety Checks .....	36
Paint, Care and Touch Up .....	46
Parking	
Brake .....	28
Brake Check .....	37
Lights .....	37
Plugs, Spark .....	55
Points, Ignition .....	55
Polishing and Waxing .....	45
Positive Crankcase Ventilation (PCV)	
Valve .....	56, 61
Power	
Brakes .....	27
Door Locks .....	2
Seats .....	3
Steering .....	17
Windows .....	4
Pressure, Tire Inflation .....	57
Radiator	
Coolant .....	52
Coolant Level Inspection .....	53
Pressure Cap .....	53
Radio	
AM/FM .....	25
Stereo .....	25
Tape System .....	26
Rallye Pack .....	29
Rear, Speaker .....	26
Window, Station Wagon .....	32

Window Defogger (Electric) .....	24
Window Defroster .....	22
Restraints .....	5
Child .....	8
Head .....	5
Lap Belts .....	6
Methods of Restraining Children .....	8
Shoulder Belts .....	7
Rests, Head (See Head Restraints) .....	5
Safety .....	
Belts (Seat Belts) .....	6
Sentinel .....	30
Safety Checks .....	36
Schedule .....	
Break-In .....	11
Maintenance .....	64
Seat .....	
Adjustment, Manual .....	3
Adjustment, Power .....	3
Back Latch, Folding Front .....	3
Child Safety .....	8
Folding, Station Wagon .....	34
Head Restraints .....	5
Seat Belts .....	6
Child Restraint .....	8
Inspection and Care .....	7
Lap .....	6
Shoulder .....	7
Service and Maintenance .....	47, 64
Shift .....	
Lever Operated Washer-Wiper .....	16
Linkage Maintenance .....	56, 64
Operation (See Transmission) .....	14

Shock Absorbers, Superlift .....	31
Shoulder Belts .....	
Adjustment .....	7
Storage Convenience Provision .....	7
Signals, Turn .....	16
Spare Tire .....	
Jacking Instructions .....	41
Station Wagon .....	35
Spark Plugs and Points .....	55
Speaker, Rear .....	26
Specifications .....	
Air Cleaner .....	65
Body .....	67
Capacities .....	67
Dimensions .....	67
Engine .....	66
Filters .....	65
Fuses .....	69
General .....	67
Light Bulbs .....	68
Lubricants .....	70
PCV Valve .....	65
Points .....	55
Spark Plugs .....	55
Speed, Cruise Control .....	17
Speedometer and Odometer .....	21
Spot Cleaning .....	43
Stainless Steel Protection .....	45
Stains, Removal Of .....	44
Starter, Safety Switch .....	14
Starting .....	
Automatic Transmission Cars .....	13
Emergency .....	40
Manual Transmission Cars .....	14

Station Wagon Features .....	32
Concealed Luggage Compartment .....	35
Exhaust Gas Caution .....	32
Folding Seats .....	34, 35
Jack Stowage .....	35
Rear Window .....	32
Spare Tire .....	35
Tailgate (Drop or Swing) .....	33
Steering .....	
Column Controls .....	12
Column Lock .....	13
Gear Lubricant .....	56
Lines and Hoses, Power .....	56
Linkage Inspection .....	56
Maintenance .....	56
Power .....	17
Wheel, Tilt .....	19
Stereo .....	
Radio .....	25
Tape System .....	26
Sun Visor Adjustment .....	5
Superlift Shock Absorbers .....	31
Suspension Maintenance .....	53
Tachometer .....	29
Tailgate & Window, Station Wagon .....	32, 33
Tape System, Stereo .....	26
Temperature .....	
Control, Cooling .....	23
Control, Heating .....	22
Indicator Light .....	19
Thermostat .....	53
Throttle Linkage .....	37
Tilt Away Steering Wheel .....	17



Tires, Care .....	56
Changing .....	41
Hydroplaning .....	57
Inflation Pressure .....	57
Inspection .....	37
Load Limit .....	57
Rotation .....	59
Station Wagon Spare .....	35
Traction .....	57
Tread Wear Indicators .....	37
Usage and Options .....	58
Top .....	
Care, Convertible .....	45
Care, Vinyl .....	46
Convertible .....	31
Towing .....	
Disabled Vehicle .....	42
To Start .....	40
Traffic Hazard Flasher .....	16
Trailer Hauling .....	
Break-In Period .....	10
Cautions .....	10
Special Maintenance .....	9
Transmission, Automatic .....	14
3-Speed Manual .....	15
4-Speed Manual .....	16
Braking Effect On Hills .....	15

Checking Fluid Level .....	51
Maintenance .....	51
Shift Controls .....	14
Transporting Luggage or Cargo in .....	
Station Wagon .....	34
Tray, Ash .....	30
Trunk .....	
Compartment .....	3
Driving With Trunk Open .....	12
Lock .....	2
Lock, Remote Control .....	26
Turbo Hydramatic .....	
Maintenance .....	51
Operation .....	14
Turn Signals and Lane Change Feature .....	16
Undercoating .....	46
Upholstery And Carpet Care .....	43
Vehicle Identification Number .....	66
Ventilation System .....	22
Vents, Outside Air .....	22
Vinyl .....	
Fabric Care, Interior .....	43
Roof Care .....	46
Visors, Sun .....	5
Warning Flasher, Hazard .....	16

Warning Lights .....	
Alternator .....	19
Brake .....	18
Engine Temperature .....	19
Oil Pressure .....	19
Warranty .....	(See Warranty Folder)
Washers, Windshield .....	21
Washing .....	45
Waxing & Polishing .....	45
Wheel Alignment & Balancing .....	38
Wheel Bearings, Front .....	56
Wheel Changing .....	41
Wheel, Tilt Steering .....	17
Windows .....	
Manual .....	4
Power .....	4
Rear, Defogger (Electric) .....	24
Station Wagon Rear .....	32
Windshield .....	
Defrosting and Defogging .....	22
Washer Use In Cold Weather .....	21
Washer Solution .....	21
Wiper Blades .....	38
Wipers and Washers .....	21
Wrecker, Towing .....	42
Zone Offices .....	72-73

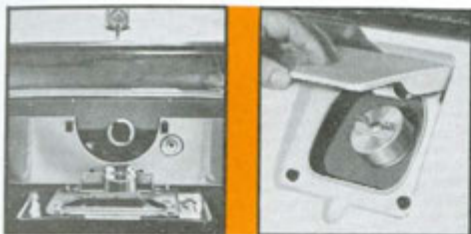
## Operating Record

[illegible]

## Gas Station Information

Refer to "Service and Maintenance" Section for Further Details.

**GAS CAP** — Located behind license plate on all models except Station Wagons.



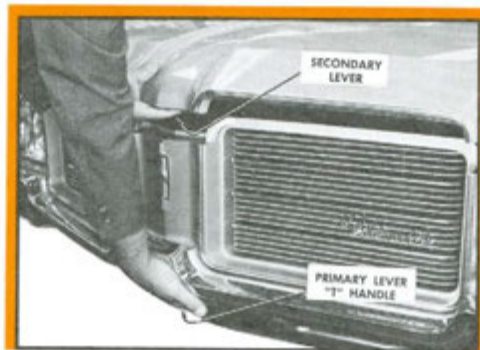
On Station Wagons fuel filler cap is located on the rear quarter panel.

See gas cap removal procedure in the "Service and Maintenance" section.

**GASOLINE RECOMMENDATION** — Use an unleaded or/low-lead fuel of approximately 91 Research Octane Number or higher as commonly sold in the U.S. and Canada.

**TIRE INFLATION PRESSURES** — Check at least monthly. Keep inflated to pressures shown on tire placard affixed on the inside of the glove box door.

**HOOD RELEASE** — Located beneath center grille nose panel. To open, pull release handle sharply. If, in opening, hood catches on safety catch, press down on hood while pulling on release lever.



**ENGINE OIL DIPSTICK** — Located on (right) side of engine block on L-6 and left side on V-8 models. Check oil level at each fuel stop, Maintain between "ADD" and "FULL" marks on dipstick.

**ENGINE OIL RECOMMENDATIONS** — Use only high quality MS oils meeting GM 6041-M standard. The chart under Engine Oil Recommendations will serve as a guide for selecting proper oil viscosity.

**ENERGIZER** — Check fluid level monthly utilizing the level indicator cap marked "Delco Eye". If the transparent eye within the cap glows, fluid level is low. Add only colorless, odorless drinking water or distilled water to bring level to split ring in filler opening.

**WINDSHIELD WASHER** — Check reservoir fluid level regularly. Use a washer fluid such as GM Optikleen to prevent freezing damage and for better cleaning of windshield under all conditions.



OWNER'S MANUAL



SECOND PRINTING — JANUARY 1971

PART NO. 408997 — Litho in U.S.A.

OLDSMOBILE DIVISION  
GENERAL MOTORS CORPORATION  
LANSING, MICHIGAN 48921  
**ENGINEERING ORDER**

TYPE OF ORDER <b>ADVANCE RELEASE</b>		ORDER DATE <b>5-26-69</b>	ORDER NO. <b>71-13, Supp. 1</b>
NAME <b>1971 SERIES &amp; BODY STYLE DESIGNATIONS</b>	GROUP <b>1A1</b>	PART NO. <b>See Attached List.</b>	
USED ON <b>33100 THRU 34800, 35400 THRU 38600, 39400 &amp; 39600 AND 39860 AS SHOWN</b>	YEAR <b>1971</b>	LAST DWG. CHANGE DATE <b>List Dated 5-26-69.</b>	
COPIES TO:			
<b>A.E.O. Distribution #1</b>		<b>G.M. Canada - Oshawa (2) Dennis Dobie - Engineering Staff</b>	
THIS ORDER EFFECTIVE <b>Start of 1971 Production.</b>		REQUESTED BY	
DISPOSITION OF STOCK			

THIS ORDER ISSUES A REVISED LIST OF THE 1971 SERIES & BODY STYLE LINE-UP FOR F-85, REGULAR CAR SERIES, TORONADO AND SHORT SILL COWL.

Since the List was first issued with A.E.O. #71-13 the following change has been made:

**Removed the Delta 88 Convertible - 35467.**

**Engineering Releases, Parts Lists and other Records will reflect the Attached List.**

**LT**

AUTHORITY:

PRINTS ATTACHED:

**See Attached List.**

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1971 BODY STYLES AND CAR CODES

SHEET 1 OF 3

<u>BODY NAME</u>	<u>1971 CHASSIS DESIGNATION</u>	<u>BODY CODE</u>	<u>SALES &amp; SCHED.</u>
<u>F-85 SERIES</u>			
<u>STANDARD L-6 ENGINE</u>	<u>33100</u>		
CLUB COUPE	33177	77	3177
<u>STANDARD V-8 ENGINE</u>	<u>33200</u>		
CLUB COUPE	33277	77	3277
<u>CUTLASS L-6 ENGINE</u>	<u>33500</u>		
STATION WAGON - 2-SEAT	33535	35	3535
FOUR DOOR HARDTOP SEDAN	33539	39	3539
FOUR DOOR SEDAN	33569	69	3569
CLUB COUPE	33577	77	3577
HARDTOP COUPE	33587	87	3587
<u>CUTLASS V-8 ENGINE</u>	<u>33600</u>		
STATION WAGON - 2-SEAT	33635	35	3635
FOUR DOOR HARDTOP SEDAN	33639	39	3639
FOUR DOOR SEDAN	33669	69	3669
CLUB COUPE	33677	77	3677
HARDTOP COUPE	33687	87	3687
<u>CUTLASS SUPREME V-8 ENGINE</u>	<u>34200</u>		
FOUR DOOR HARDTOP SEDAN	34239	39	4239
HARDTOP COUPE	34257	57	4257
CONVERTIBLE	34267	67	4267



1971 BODY STYLES AND CAR CODES

SHEET 2 OF 3

<u>BODY NAME</u>	<u>1971 CHASSIS DESIGNATION</u>	<u>BODY CODE</u>	<u>SALES &amp; SCHED.</u>
<u>F-85 SERIES * CONTINUED *</u>			
<u>442 MODELS V-8 ENGINE</u>	<u>34400</u>		
CONVERTIBLE	34467	67	4467
CLUB COUPE	34477	77	4477
HARDTOP COUPE	34487	87	4487
<u>VISTA CRUISERS V-8 ENGINE</u>	<u>34800</u>		
STATION WAGON - 2-SEAT *EXTENDED*	34855	55	4855
STATION WAGON - 3-SEAT *EXTENDED*	34865	65	4865
<u>REGULAR CAR SERIES</u>			
<u>DELTA 88</u>	<u>35400</u>		
HOLIDAY SEDAN	35439	39	5439
HARDTOP COUPE	35457	57	5457
TOWN SEDAN	35469	69	5469
<u>DELTA 88 CUSTOM</u>	<u>36400</u>		
HOLIDAY SEDAN	36439	39	6439
HARDTOP COUPE	36457	57	6457
TOWN SEDAN	36469	69	6469
<u>DELTA 88 ROYALE</u>	<u>36600</u>		
HARDTOP COUPE	36647	47	6647
CONVERTIBLE	36667	67	6667
<u>DELTA 88 STATION WAGON</u>	<u>36800</u>		
STATION WAGON - 2-SEAT	36835	35	6835
STATION WAGON - 3-SEAT	36845	45	6845

1971 BODY STYLES AND CAR CODES

SHEET 3 OF 3

<u>BODY NAME</u>	<u>1971 CHASSIS DESIGNATION</u>	<u>BODY CODE</u>	<u>SALES &amp; SCHED.</u>
<u>REGULAR CAR SERIES * CONTINUED *</u>			
<u>NINETY-EIGHT SERIES</u>	<u>38400</u>		
HARDTOP COUPE	38437	37	8437
HOLIDAY SPORT SEDAN	38439	39	8439
<u>NINETY-EIGHT SERIES</u>	<u>38600</u>		
HARDTOP COUPE	38637	37	8637
LUXURY SEDAN HARDTOP	38639	39	8639
<u>TORONADO SERIES</u>	<u>39400</u>		
HARDTOP COUPE	39457	57	9457
<u>TORONADO SERIES</u>	<u>39600</u>		
HARDTOP COUPE - DELUXE	39657	57	9657
<u>SHORT SILL COWL *SPECIAL ORDER DRIVE AWAY CHASSIS - GROUP 99*</u>			
AMBULANCE	39860	40	9840
HEARSE	39860	90	9890

H. BYRNES, SUPERVISOR  
ENGINEERING SPECIFICATIONS  
OLDSMOBILE DIVISION, G. M. CORP.  
MAY 26, 1969  
SUPERSEDES ISSUE OF 5/19/69

OLDSMOBILE DIVISION  
GENERAL MOTORS CORPORATION  
LANSING, MICHIGAN 48921  
**ENGINEERING ORDER**

TYPE OF ORDER PRODUCTION CHANGE		ORDER DATE 12-16-70	ORDER NO 71-509, Supp. 22
NAME OPTIONAL EQUIPMENT	GROUP 35	PART NO See Attached Flysheet & Sheets 13 & 14 of 17	
USED ON 33100, 33200, 33500, 33600, 34200, 34400 AND 34800	YEAR 1971	LAST DWG CHANGE DATE Sheets Dated 12-16-70	
COPIES TO  A.E.O. Distribution #1  G.M. Canada - Oshawa (4) R.S. Peters - Engineering Staff			
THIS ORDER EFFECTIVE As soon as possible.		REQUESTED BY	
DISPOSITION OF STOCK			

THIS ORDER ISSUES REVISED SHEETS 13 & 14 AND FLYSHEET OF FACTORY INSTALLED OPTIONAL EQUIPMENTS WHICH ARE AVAILABLE FOR 33100, 33200, 33500, 33600, 34200, 34400 & 34800.

Since the List was last issued with A.E.O. #71-509, Supplement 21, the following changes have been made:

On the Flysheet:

Added "Styling Options" Y75 & Y78 to list of Options that cannot be used on the same Car.

Added the following Group:

35VJ9 Label - Exhaust Emission Level  
(Mandatory on all Vehicles built after 11-30-70 that are shipped to California Dealers).

Revised the following Group:

35W30 - Revised note to read "JL2 is available only with M40 Transmission".

Engineering Releases, Parts Lists and other Records will reflect the above changes and release.

A COMPLETE LIST WAS LAST ISSUED WITH A.E.O. #71-509, SUPP. 15 DATED 6-1-70. REPLACE SHEETS 13 & 14 AND FLYSHEET ONLY WITH THE ATTACHED SHEETS, AND RETAIN THE BALANCE OF SHEETS IN ORDER TO MAINTAIN A COMPLETE NEW LIST.

LT

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See Attached Sheets.

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OLDSMOBILE DIVISION  
GENERAL MOTORS CORPORATION  
1971 FACTORY INSTALLED OPTIONAL EQUIPMENT

JUNE 1, 1970  
SUPERSEDES 5-12-70

MODELS & BODY STYLES - F85 SERIES

		<u>Standard Engine</u>
<u>33100 Standard L6 Engine</u>		
69	- Four Door Sedan	250 Cu. In. L6 - 1 Bbl.
87	- Hardtop Coupe - Cutlass	
<u>33200 Standard V8 Engine</u>		
69	- Four Door Sedan	350 Cu. In. V8 - 2 Bbl.
87	- Hardtop Coupe - Cutlass	
<u>33500 Cutlass L6 Engine</u>		
36	- Station Wagon - 2 Seat	250 Cu. In. L6 - 1 Bbl.
69	- Four Door Sedan	
77	- Club Coupe - Cutlass S	
87	- Hardtop Coupe - Cutlass S	
<u>33600 Cutlass V8 Engine</u>		
36	- Station Wagon - 2 Seat	350 Cu. In. V8 - 2 Bbl.
69	- Four Door Sedan	
77	- Club Coupe - Cutlass S	
87	- Hardtop Coupe - Cutlass S	
<u>34200 Cutlass Supreme V8 Engine</u>		
39	- Four Door Hardtop Sedan	350 Cu. In. V8 - 4 Bbl.
57	- Hardtop Coupe	
67	- Convertible.	
<u>34400 442 Models V8 Engine</u>		
67	- Convertible	455 Cu. In. V8 - 4 Bbl.
87	- Hardtop Coupe	
<u>34800 Vista Cruisers V8</u>		
56	- Station Wagon - 2 Seat *Extended*	350 Cu. In. V8 - 2 Bbl.
66	- Station Wagon - 3 Seat *Extended*	

CODE

X	-	Available As Shown
N	-	Not Available
S	-	Included As Standard Equipment
#	-	Shipped With Car *In Trunk Compartment*

1971 F85 CAR

COMBINATIONS OF OPTIONS THAT FUNCTIONALLY CANNOT BE USED ON THE SAME CAR.

<u>Description</u>	<u>UPC Group</u>
Windows	A01 - A02
Seat Adjusters	A41 - A46
Seats	A51 - A52 - A65
Rear View Mirrors	D33 - D35
Console	D55 - W26
Suspension	F41 - FE2 - FG2
Shock Absorbers	FG2 - G66
Axles	G89 - G90 - G91 - G92 - G93 - G96
Brakes	J50 - JL2
Engines	L30 - L32 - L65 - L74 - W30
Transmission	M14 - M20 - M22 - M38 - M40
Steering Wheels	N30 - N34
Wheels	N66 - N67 - N99 - P05 - PC2
Wheel Discs	P01 - P02
Tires	P26 - PK5 - PX8 - P16
Radios	U58 - U63
Styling Options	Y75 - Y78

REVISED 12-16-70

- AA3 TINTED ROOF GLASS - CHROME COATED
- A01 TINTED BODY GLASS \*INCLUDING WINDSHIELD\*
- A02 TINTED WINDSHIELD GLASS
- A31 ELECTRIC 4-WINDOW LIFTS
- A33 ELECTRIC REAR WINDOW \*TAILGATE\*
- A39 DELUXE LAP BELTS - FRONT & REAR  
\* Including Middle Lap Belts on Bench Seats \*  
\* Included in AK1 \*
- A41 ELECTRIC 4-WAY SEAT ADJUSTER \*BENCH SEAT\*  
@ Available Only with A52 or A65 Option.
- A46 ELECTRIC 4-WAY SEAT ADJUSTER  
\* Bucket Seat L.H. Only \*  
\* Not Available with A52 or A65 Option \*
- A51 BUCKET SEAT OPTION - STRATO
- A52 BENCH SEAT OPTION - CONVENTIONAL  
\* Not Available with D55 or W26 Equipment \*
- A65 BENCH SEAT OPTION - NOTCH BACK  
\* Not Available with D55 or W26 Equipment \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	NN	N N NN	N N NN	NNN	N N	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	X X XX	X X XX	XXX	X X	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
NN	NN	N N NN	N N NN	NNX	X N	N N
XX	XX	X X XX	X X XX	X@@	@ @	X X
NN	NN	N N NX	N N NX	NXX	X X	N N
NN	NN	N N NX	N N NX	NSS	S S	N N
SS	SS	S S SS	S S SS	NNN	N X	S S
NN	NN	N N NN	N N NN	SXX	X N	N N



A90 ELECTRIC TRUNK LID LATCH

AK1 DELUXE LAP & SHOULDER BELT OPTION

1. A39 Lap Belts - Front & Rear  
\* Includes Middle Lap Belts on Bench Seats \*
- \* Includes Third Seat on 34866 \*
2. A85 Shoulder Belts - Front

AS4 REAR SHOULDER BELTS - DELUXE TYPE

- \* Includes Third Seat on 34866 \*
- \* Must get A39 or AK1 Options \*

AU3 LOCK - SIDE DOOR ELECTRIC \*FRONT A/O REAR\*

B30 FLOOR CARPET \*FRONT & REAR\*

- \* Mandatory with Y78 \*

B32 # AUXILIARY FRONT FLOOR MATS

B33 # AUXILIARY REAR FLOOR MATS

B39 CARPETED LOAD FLOOR

B50 FOAM FRONT SEAT CUSHION

BC1 WOOD GRAIN INSTRUMENT PANEL

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	N X XX	N X XX	XXX	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	S S SS	S S SS	SSS	S S	S S
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
XX	XX	X X SS	X X SS	SSS	S S	S S
XX	XX	X X XX	X X XX	SSS	S S	S S

# B80 EXTERIOR DRIP SCALP MOULDINGS

\* Included in C08 Option on 33569, 77, 87 and 33669, 77, 87 \*

\* Must get B85 on 33577, 87 and 33677, 87 \*

# B84 EXTERIOR BODY SIDE & FENDER MLDGS.-BLACK VINYL INSERT

# B85 EXTERIOR BELT MOULDING

\* Must get B80 or C08 on 33577, 87 & 33677, 87 \*

\* Included in C08 Option on 34257 \*

# B90 CHROME DOOR WINDOW FRAMES

# B93 DOOR EDGE GUARD

# B96 WHEEL OPENING MOULDINGS

\* Mandatory with Y75 Option \*

\* Mandatory with Y78 Option \*

# C08 ROOF TOP COVERING

\* Includes B80 Option on 33100, 33200, 33569, 77, 87 & 33669, 77, 87 \*

\* Includes B85 Option on 34257 \*

\* Mandatory with Y78 \*

# C49 DEFOGGER - REAR WINDOW - ELECTRIC

\* Must get N47 Option on 3200, 3600, 4200, 4400 Models \*

# C51 DEFLECTOR PACKAGE - AIR

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	NN	X X XX	X X XX	SSN	N S	S S
XX	XX	X X XX	X X XX	NNN	N N	N N
NN	NN	N N XX	N N XX	NXN	N X	N N
XN	XN	S S XN	S S XN	NNN	N N	S S
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	S S SS	S S SS	SSS	S S	S S
XX	XX	N X XX	N X XX	XXN	N X	N N
XX	XX	N X XX	N X XX	XXN	N X	N N
NN	NN	X N NN	X N NN	NNN	N N	X X

# C60 AIR CONDITIONING

\* See Axle Chart for Exception Usage \*

\* Power Steering Mandatory with 3200, 3600, 4200, 4400, 4800 Models \*

# CD3 WINDSHIELD WASHER & WIPER - AUXILIARY CONTROL SWITCH IN SHIFT LEVER

\* Available Only with Automatic Transmission Column Shift Cars \*

# D33 REMOTE CONTROL OUTSIDE MIRROR

# D35 REAR VIEW MIRRORS-OUTSIDE - STYLED SPORTS (L.H. REMOTE)

\* Mandatory with W30 Option \*

# D55 FRONT COMPARTMENT CONSOLE

\* Not Available with Column Shift \*

\* Bucket Seats Mandatory with this Option \*

# D99 TWO TONE PAINT

# F41 SUSPENSION SYSTEM - FRONT & REAR - HEAVY DUTY

\* Special Suspension System for Strenuous Service. Recommended for Trailer Hauling, Canadian & Overseas Export and continuous Heavy Trunk Loads and where majority of driving is on Secondary and Rural Roads.

\* Includes Front & Rear Springs, Front Stabilizer Bar and Heavy Duty Firm Ride Control Shocks \*

\* G66 Superlift Shocks Available \*

\* N99 Mandatory on 3100, 3200, 3569, 77, 87, 3669, 77, 87, 4200 \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NX	NX	N N XX	N N XX	NXX	X X	N N
NN	NN	N N NX	N N NX	NXX	X X	N N
XX	XX	X X XX	X X XX	XXN	N X	X X
XX	XX	X X XX	X X XX	XXX	N N	X X



# FE2 442 SUSPENSION PACKAGE

- \* Includes Springs, Shocks, Stabilizer Shafts, Rear Lower Control Arms & PC2 Wheels \*
- \* Not Available with FG2, F41, G66, N99 or U89 \*
- \* N66, N67 or P05 Wheel Option Available \*

# FG2 SHOCK ABSORBERS - FRONT & REAR - HEAVY DUTY FIRM RIDE CONTROL

- \* Recommended for considerable Secondary and Rural Road Driving \*
- \* Not Available with FE2 or G66 Options \*
- \* Included in F41 \*

# G66 SUPERLIFT REAR SHOCK ABSORBERS

- @ Available Only with M40 on 34400 Series.
- \* Not Available with FE2 or FG2 Option \*
- \* Recommended for Trailer Hauling - Class I - 1000-2000# Wgt. \*
- \* N99 Mandatory on 3100, 3200, 3569, 77, 87, 3669, 77, 87, 4200 \*

# G80 LIMITED SLIP TYPE DIFFERENTIAL

- \* Anti-Spin Axle \*
- \* Mandatory when 3.73 Ratio is used \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	NX	N N NN	N N XX	NXX	N N	N N
XX	XX	X X XX	X X XX	XXX	N N	X X
XX	XX	X X XX	X X XX	XXX	@ @	X X
XX	XX	X X XX	X X XX	XXX	X X	X X

- G89 PERFORMANCE REAR AXLE - 3.73 RATIO  
 @ Available Only with W30 Option.  
 \* For Usage refer to Axle Chart 407593 \*  
 \* G80 Mandatory \*  
 \* Not Available with C60 or Y72 Options \*
- G90 PERFORMANCE REAR AXLE - 3.08 RATIO  
 \* For Usage refer to Axle Chart 407593 \*  
 \* Recommended for Trailer Hauling - Class I -  
 1000-2000# Weight \*
- G91 PERFORMANCE REAR AXLE - 3.23 RATIO  
 \* For Usage refer to Axle Chart 407593 \*  
 \* Recommended for Trailer Hauling - Class II -  
 2000-3500# Weight \*
- G92 PERFORMANCE REAR AXLE - 3.42 RATIO  
 \* For Usage refer to Axle Chart 407593 \*  
 \* N10 Mandatory on 33200, 33600, 4200 Series \*  
 \* L74 Mandatory on 3200, 3600 \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	NN	N N NN	N N NN	NNN	@ @	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	XX	N N NN	X X XX	XXX	X X	N N

G93 PLAINS AXLE RATIO - 2.73 RATIO  
 \* For Usage refer to Axle Chart 407593 \*

G96 PLAINS AXLE RATIO - 2.56 RATIO  
 \* For Usage refer to Axle Chart 407593 \*  
 \* Not Available with SM or FS Transmission \*

J50 POWER BRAKES  
 \* Not Available with JL2 Option \*

JL2 FRONT DISC BRAKES - POWER  
 \* Mandatory with W30 with C60 \*

K30 AUTOMATIC THROTTLE CONTROL  
 \* Available Only with Automatic Transmission \*

L30 ENGINE OPTION  
 \* 455 Cu. In. - V-8 - 2-Barrel \*  
 \* M40 Transmission Mandatory \*

L32 ENGINE OPTION  
 \* 455 Cu. In. - V-8 - 4-Barrel \*  
 \* M40 Mandatory \*  
 \* N10 Option Not Available \*  
 \* Dual Exhaust System Included \*  
 @ Mandatory & Available Only with Y79 \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	XX	N N NN	X X XX	XXX	X X	X X
XX	XX	N X XX	N X XX	XXX	N N	N N
XX	XX	S X XX	S X XX	XXX	X X	S S
NN	XX	N N NN	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	NNN	N N	X X
NN	NN	N N NN	N N NN	N@@	N N	X X



# L65 ENGINE OPTION

- \* 350 Cu. In. - V-8 - 2-Barrel \*
- \* Not Available with N10 on 34200 \*
- \* Not Available with M14 or M20 \*

# L74 ENGINE OPTION

- \* 350 Cu. In. - V-8 - 4-Barrel \*
- \* N10 Mandatory with 3.42 Axle Ratio \*
- \* Mandatory with M14 or M20 \*

# M14 MANUAL TRANSMISSION - 3-SPEED FULLY SYNCHRONIZED - FLOOR SHIFT - HEAVY DUTY

- \* Not Available with W30 Option \*
- \* L74 Mandatory on 3287, 3677, 87 \*

# M20 MANUAL TRANSMISSION - 4-SPEED FULLY SYNCHRONIZED - FLOOR SHIFT

- \* Available on 3287, 3677, 87, 4257, 67 with  
350 Cu. In. 4-Barrel Engine Only \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	SS	N N NN	S S SS	XXX	N N	S S
NN	XX	N N NN	X X XX	SSS	N N	N N
NN	NX	N N NN	N N XX	NXX	S S	N N
NN	NX	N N NN	N N XX	NXX	X X	N N

- M22 MANUAL TRANSMISSION - 4-SPEED - CLOSE RATIO  
FULLY SYNCHRONIZED - FLOOR SHIFT - HEAVY DUTY
- M38 TURBO-HYDRAMATIC TRANSMISSION  
\* 3-Speed Torque Converter \*  
\* Not Available with 455 Cu. In. Engines \*
- M40 TURBO-HYDRAMATIC TRANSMISSION  
\* 3-Speed Torque Converter \*  
\* Mandatory with W30 if Auto. Trans. is ordered \*  
\* Mandatory with L32 Option \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	NN	N N NN	N N NN	NNN	X X	N N
XX	XX	X X XX	X X XX	XXX	N N	N N
NN	NN	N N NN	N N NN	NXX	X X	X X

# N10 DUAL EXHAUST SYSTEM

- \* Available Only when L74 Option is ordered - Except 33677, 87 \*
- \* Available with All 350 Cu. In. Engines on 33677, 87 \*
- \* Not Available with L32 or L65 Options \*
- \* Mandatory on 34200 with 350 Cu. In. 4-Barrel Engines and 3.42 Axle \*
- \* Mandatory on 33200, 33600 with L74 and 3.42 Axle \*

# N30 DELUXE STEERING WHEEL

- N33 STEERING COLUMN ASSEMBLY - TILT-AWAY
- \* Not Available on SM Jobs with Column Shift \*

# N34 STEERING WHEEL - CUSTOM SPORT

- N47 POWER STEERING - VARIABLE RATIO
- \* Mandatory with C49 on 3200, 3600, 4200, 4400 Except Station Wagon or Convertibles \*
- \* Mandatory with C60 or Y72 on 3200, 3600, 4200, 4400, 4800 Models \*

# N66 WHEEL EQUIPMENT - CUSTOM SPORT

- \* 14 Inch Wheel, Spider Painted Gray, Capped Wheel Nuts, Ornament, Bezels & Trim Ring \*
- \* Not Available with P01 or P02 \*

# N67 WHEEL EQUIPMENT - CUSTOM SPORT

- \* 14 Inch Wheel, Spider Painted Lower Body Color, Capped Wheel Nuts, Ornament, Bezels & Trim Ring \*
- \* Not Available with P01 or P02 \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NN	XX	N N NN	N X XX	XXX	N N	N N
XS	XS	S S SS	S S SS	SSS	S S	S S.
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	XX	N N NN	N X XX	XXX	X X	N N
NN	XX	N N NN	N X XX	XXX	X X	N N



N99 WHEELS - HEAVY DUTY  
 \* Heavier Spider - 6" Rim \*  
 \* Recommended for Trailer Hauling \*  
 \* Not Available with FE2 \*  
 \* Mandatory with F41, G66, U89 \*  
 \* Mandatory with 96P16, 98P16 unless N66, N67, P05 is ordered \*

P01 # WHEEL DISCS  
 \* Mandatory with Y78 Option \*  
 \* Mandatory with Y79 Option \*  
 \* Not Available with N66, N67 or P05 \*

P02 # WHEEL DISCS \*DELUXE\*  
 \* Not Available with N66, N67 or P05 \*

P05 WHEEL EQUIPMENT - CUSTOM TRIM  
 \* 14 Inch Wheel, Painted Spider, Capped Wheel Nuts, Ornament & Rim \*  
 \* Not Available with P01 or P02 \*

P26 WHITE WALL TIRES - STANDARD SIZE  
 \* Mandatory with Y78 Option \*

PC2 WHEEL OPTION - 14 X 7JJ  
 \* Included in FE2 Option unless N66, N67 or P05 is ordered \*  
 \* Not Available with F41, G66 or U89 \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	S X XX	S X XX	XXX	NN	SS
XX	XX	X X XX	X X XX	XXX	XX	XX
XX	XX	X X XX	X X XX	XXX	XX	XX
NN	XX	NN NN	N X XX	XXX	XX	NN
XX	XX	X X XX	X X XX	XXX	NN	XX
NX	NX	NN XX	NN XX	NXX	SS	NN

'K5 TIRE - G70 X 14 WIDE OVAL - BLACK WALL WITH RAISED WHITE LETTERS

\* Mandatory with W30 Option \*

'X8 TIRE - G70 X 14 WIDE OVAL - WHITE STRIPE

'44 INTERIOR OPERATED HOOD LOCK

'21 INSTRUMENT CLUSTER - RALLYE PACK

'35 ELECTRIC CLOCK

\* Not Available with U21 Option \*

'57 TAPE PLAYER - STEREO

\* Includes Rear Seat Speaker - Except with U58 \*

\* Must get U58 or U63 Option \*

'58 STEREOGRAPHIC RADIO \*AM-FM\*

\* Includes Rear Seat Speaker \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
NX	NX	N N XX	N N XX	NXX	X X	N N
NX	NX	N N XX	N N XX	NXX	S S	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	XX	N N NN	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X

U63 DELUXE RADIO

U80 REAR SEAT SPEAKER

\* Included in U57 or U58 Options \*

U89 WIRING HARNESS - CAR TRAILER

\* N99 Mandatory on 3100, 3200, 3569, 77, 87, 3669, 77, 87, 4200 \*

V36 GUARDS - BUMPER - WITH VINYL INSERTS

\* Front Only on Station Wagons \*

\* Front & Rear on all Except Station Wagons \*

V55 LUGGAGE CARRIER

V56 LOCK & TRIM - LUGGAGE LOCKER

VJ9 LABEL - EXHAUST EMISSION LEVEL

\* Mandatory on All vehicles manufactured after 11-30-70 that are shipped to California dealers.\*

W25 FORCE AIR INDUCTION SYSTEM

@ Available Only with L74 Option.

\* Included in W30 Option \*

\* Not Available with Y73 Option \*

\* Includes Special Hood Paint Scheme \*

W26 FRONT COMPARTMENT CONSOLE - DUAL GATE SHIFTER

\* Available Only with Auto. Trans. Floor Shift \*

\* Bucket Seats Mandatory with this Option \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	N N NN	N N @@	NNN	X X	N N
NN	NN	N N NX	N N NX	NXX	X X	N N



W27 ALUMINUM DIFFERENTIAL COVER

W30 INDUCTION SYSTEM - CARBURETOR OUTSIDE AIR  
- AVAILABLE AS SPECIAL ORDER ONLY -

Included In W30

455 Cu. In. 4-Barrel Engine with Selected Parts.  
Manual Disc Brakes.  
W25 Force Air Induction System.  
Special Body Side Paint Stripe.  
Special Hood Paint Scheme.

Mandatory With W30

For Axle Usage refer to Chart 407593.  
D35 Outside Rear View Mirrors.  
G80 Limited Slip Type Differential with 3.42 or  
3.73 Ratio.  
M20, M22 or M40 Transmission.  
PK5 Tire - Wide Oval with White Letters.

Not Available With W30

Y72 or Y73.  
Delete Standard Body Side Paint Stripe.

JL2 is Available Only with M40 Transmission.

C60 is Available with W30 Option with M40 Trans.,  
JL2 Brakes and 3.23 Axle Ratio.

W35 REAR DECK LID AIR SPOILER

W37 CLUTCH - HEAVY DUTY - 2 PLATE  
\* Available Only with M20 or M22 \*

1971 REVISED 12-16-70 SHEET 14

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	NNN	X X	N N
NX	NX	N N XX	N N XX	NNN	N X	N N
NN	NN	N N NN	N N NN	NNN	X X	N N

# Y60 ACCESSORY GROUP PACKAGE

1. \*D34\* Visor Vanity Mirror
  2. \*U25\* Luggage Compartment Lamp
  3. \*U26\* Underhood Lamp
  4. \*U27\* Glove Box Lamp
  5. \*U28\* Ash Tray Lamp
  6. \*C87\* Sail Panel Lamps (Dome Lamp Included)
  7. \*UFI\* Mirror with Integral Lamp
  8. Instrument Panel Control Lighting
  9. \*U29\* Courtesy Lamps & Map Lamp
- \* Rear Door Jamb Switches & Wiring Included in All 4-Door Styles \*

# Y70 PAINT STRIPE OPTION - BODY SIDE

# Y72 HEAVY DUTY ENGINE COOLING & GENERATOR PACKAGE

- \* Recommended for Trailer Hauling \*
- \* Not Available with 3.42 or 3.73 Axle Ratios \*
- \* Not Available with W30 Option \*
- \* Power Steering Mandatory with 3200, 3600, 4200, 4400, 4800 Models \*

# Y73 HOOD PAINT STRIPE

- \* Not Available with W25 or W30 Options \*
- \* Available Only with Y75 on 3187, 3287 \*

# Y75 EXTERIOR SPORT OPTION

1. Cutlass "S" Hood
2. Body Side Paint Stripe
3. B96 Full Wheel Lip Mldgs.-Frt. & Rear Mandatory

# Y78 CUTLASS VALUE PACKAGE

- Included In Y78
- Cutlass "S" Hood
  - Mandatory With Y78
  - B30 Floor Carpet - Front & Rear
  - B96 Wheel Opening Mouldings
  - C08 Vinyl Roof Top
  - P01 Wheel Discs
  - P26 White Wall Tires

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	N X XX	N X XX	XXX	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	XXN	N N	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	NXX	N N	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
NX	NX	N N XX	N N XX	NNN	S S	N N
NX	NX	N N NN	N N NN	NNN	N N	N N
NN	NX	N N NN	N N NN	NNN	N N	N N

Mandatory With Y79  
L32 Engine (455 Cu. In. 4-Bbl. V-8).  
(Includes Dual Exhaust with Special Outlets).  
M40 Transmission.  
P01, P02, P05, N66 or N67 Mandatory.  
Included In Y79  
For Axle Usage refer to Chart 407593.  
Special Fender Ornament.  
442 Rear Bumpers.

K05 Engine Block Heater  
P16 Tire - 4-Ply White Wall Nylon  
\* N99 Mandatory with 3100, 3200, 3569, 77, 87, 3669,  
77, 87, 4200 unless N66, N67 or P05 is ordered \*  
Z49 Mandatory Canadian Base Equipment Modification

A48 Lap Belts - Front & Rear - Delete  
 \* Must get AS6 \*

AS6 Shoulder Belts - Front - Delete

PL6 Tire - 4-Ply White Wall - Nylon  
 \* N99 Mandatory with 3100, 3200, 3569, 77, 87, 3669,  
 77, 87, 4200 unless N66, N67 or P05 is ordered \*

T74 Head Lamps - LH Rule of Road - Export

U18 Speedometer - Export, Kilometer

V78 Plate - Certificate of Compliance - Delete

1971 REVISED 10-1-70 SHEET 16

[illegible]



THE FOLLOWING SPECIAL OPTIONS ARE FOR CAR ORDER AND BILLING PURPOSES. ENGINEERING DEPARTMENT WILL NOT RELEASE ANY PARTS FOR THESE OPTIONS.

- |     |                                                                                                |
|-----|------------------------------------------------------------------------------------------------|
| 415 | Standard Synchronesh Transmission                                                              |
| 438 | Rocket Emblem (Door Trim Pad)                                                                  |
| 446 | Special Paint - Charge (Non-Olds Paint)                                                        |
| 447 | Two Tone Special Paint - Charge (Non-Olds Paint)                                               |
| 454 | Canada Retail Service                                                                          |
|     | * Designated by G.M. of Canada *                                                               |
| 461 | Export Preparation                                                                             |
| 462 | Special Paint - Charge                                                                         |
| 463 | Special Paint - No Charge                                                                      |
| 464 | Factory Retail Service                                                                         |
| 465 | Dealer Retail Service                                                                          |
| 466 | Two Tone Special Paint - Charge                                                                |
| 468 | Regular Paint Used with Trim Combinations Not Recommended by Paint & Trim Specifications Chart |
| 476 | Special Firemist Paint - Charge                                                                |
| 477 | Special Trim                                                                                   |

31	32	35	36	42	44	48
68 97	68 97	3 6 78 6 9 77	3 6 78 6 9 77	356 977	6 8 7 7	5 6 6 6
XX NN XX XX XX	XX NN XX XX XX	X X XX N N NN X X XX X X XX X X XX	X X XX N N NN X X XX X X XX X X XX	XXX NNN XXX XXN XXX	N N X X X X N X X X	X X N N X X X X X X
XX XX XX XX XX XX	XX XX XX XX XX XX	X X XX X X XX X X XX X X XX X X XX X X XX	X X XX X X XX X X XX X X XX X X XX X X XX	XXX XXX XXX XXX XXX XXN	X X X X X X X X X X N X	X X X X X X X X X X X X
XX XX XX	XX XX XX	X X XX X X XX X X XX	X X XX X X XX X X XX	XXX XXX XXX	X X X X X X	X X X X X X

SUPER-TUNING AND BLUEPRINTING SPECIFICATIONS  
FOR 1971-72 OLDSMOBILE 350 AND 455 CU.IN. ENGINES

INFORMATION COVERS  
STREET, DRAG & MARINE PERFORMANCE



SPRING 1972

## A. SUPER-TUNING

Super-tuning is a term that means bringing every component within the engine up to its peak. Many times off-road operation calls for different settings and adjustments than are proper for street use. A well tuned engine requires proper ignition and carburetor settings, a good performing valve train, and non-restrictive air cleaner and exhaust system.

### Ignition

Stock distributors on each of the W-Machines have mechanical advance curves which parallel best spark timing. The mechanical advance curves, vacuum advance curves, and initial timing settings on all models are selected to give best performance with the normal carbon build-up and street equipment. For off-road use in a car where the amount of idle and low speed operation will be held to a minimum, higher timing settings may be used. However, precautions must be taken:

1. Disconnect vacuum advance hose at the distributor and plug the hose. Leave the distributor vacuum connection open. This will preclude road load detonation, which must be avoided for long engine life.
2. Be conservative. Increase timing in small steps, listening for any detonation ("knock").

The important area to watch in changing timing is the advance above 4000 RPM (with vacuum disconnected). For off-road use, timing should be set to give 35° advance BTC above 4000 RPM. Advance beyond 35° should be done in small steps against a timer and in conjunction with changes in carburetor jetting, slight richening until ultimate potential is realized.

To set timing accurately above 4000 RPM, a new set of scribe marks will have to be added to the balancer, since the normal timing tab stops at 15° BTC. These marks must be made on the balancer below the present mark (clockwise from the front of the car). Timing can then be read using the 0° mark on the tab and the new marks on the balancer, while revving the engine to 4000 RPM momentarily.

CAUTION: DO NOT LOOSEN THE DISTRIBUTOR HOLD DOWN BOLT AND ADJUST WHILE REVING THE ENGINE. MOVE THE DISTRIBUTOR A SMALL AMOUNT, TIGHTEN AND REV TO 4000 FOR 2-3 SECONDS.

Scribe the marks clockwise from the present mark per the following chart:

<u>Degrees BTC</u>	<u>350 Engines</u>	<u>400 &amp; 455 Engines</u>
30°	1 7/8 inches	1 11/16 inches
35°	2 3/16 inches	1 31/32 inches
40°	2 1/2 inches	2 9/32 inches

The timing indicator (tab) is marked -4°, -2°, 0°, 2°, 4°, 6°, 8°, 10°, etc. The top edge of the tab is 14°-15° BTC.

To insure against point bounce with high RPM usage, double springing of the production point springs may be done. The best method is to use Corvette Delco points #1966294. These points are good to 7000 RPM. Accel. Corp. also markets high RPM points.



## B. CARBURETION

Carburetors are calibrated for best full throttle as well as part throttle mixtures and street performance. The best starting point for off-road use is production specifications. However, because of varying climatic conditions and the fact that exhaust headers will be used and part throttle driveability need not be considered, a number of changes may be tried.

### Operation

Normal driving up to 1/2 throttle is done with the primary side of the carburetor. Fuel is controlled by the size of the primary jet and large end of the tapered primary rod.

At full throttle, the fuel is controlled by the primary jet and small end of the primary rod plus the addition of fuel through the secondary jet and rod.

The position of the secondary rod relative to the jet is controlled by the angle of the secondary air valve. Therefore, the full throttle fuel rate as well as air flow is controlled by the air valve.

Air valve position or angle is controlled by air flow pulling against the air valve spring. The air valve wrap is the term that describes the amount of preload adjusted into the spring. Earlier opening of the air valve naturally allows more air flow; but if opened at too low a RPM, might give improper fuel mixtures and distribution, resulting in a loss of low end torque or a "bog".

Production settings allow the air valve to begin opening at approximately 1500 RPM full throttle and reach full open at approximately 3500 RPM.

The dashpot or diaphragm located at the right-front corner of the carburetor affects the air valve as well as choke operation. It provides a smooth opening of the air valve rather than the popping open when the secondaries are reached. It is used mostly for less than full throttle maneuvers, but can also be a benefit for full throttle operation, especially with the intake manifold heat crossover blocked. By delaying the opening rate of the air valve, less spring wrap may possibly be used.

Variations of all the above should be tried; primary jets and secondary rods for fuel mixture, and air valve wrap, with and without the dashpot for low and mid-range power and feel.

### SECONDARY METERING RODS --

The following chart compares various rods with the AU:

Rod	End Dia.	Description
AU 2033655	.053 inch	
AT 2033658	.067 inch	Same below 3500 RPM as AU - 4 1/2% richer above 3500 RPM

SECONDARY METERING RODS (continued) --

Rod	End Dia.	Description
AX 2033549	.042 inch	5% richer below 3500 RPM than AU 3% richer above 3500 RPM
AG	.030 inch	3 1/2% richer below 3500 RPM than AU 5% richer above 3500 RPM

Production rods can be machined to a smaller diameter, but must be done only with precision machinery. Only the small straight portion of the rods should be changed. Remember, the distance from the bottom of the hook to the top of the straight portion must be 2.50 inches or less.

PRIMARY METERING JETS --

Full throttle fuel rate can also be altered with changes in primary metering jets. Each .001 inch jet size change is equivalent to 1 1/2% change in full throttle fuel mixture. Since the primary jets affect part throttle operation and since the top of the carburetor must be removed to reach the jets, changing the secondary rods should be done first.

Richening of the primary jets could give a more responsive off-the-line feel.

SECONDARY BLEED TUBES --

The secondary bleed tubes are air bleeds into the secondary wells, which aid secondary tip-in response in normal driving. Though they also help control the fuel mixture, they are not an especially good tool to use. They are small brass tubes that protrude out the top of the carburetor beside the secondary rods. Plugging these tubes with toothpicks will greatly enrich the mixture, approximately 10% to 20%, but the exact change is unpredictable and could affect distribution.

The necessary enrichment on a stocker can be easily achieved by use of available jets and rods without using the bleed tubes. However, if a highly modified engine is used, and further enrichment is needed, the bleed tubes do have a great effect.

PRIMARY METERING RODS --

The primary metering rods should never be changed. All Rochester primary rods have the same .026 inch diameter on the small end. Changing to another rod can only affect part throttle operation. Since the large end of the rod is a tapered surface, which is pre-set at the factory, any change would give an unpredictable effect.

## SECONDARY METERING ROD HOLDER --

This rod holder is also known as a hanger, yoke, or lever. It holds and positions the secondary metering rods in the secondary jets. Changing the height of the holder by bending should never be done. Any change would definitely be unpredictable, with no way of returning to the baseline. Also if one side is bent more than another very poor distribution will result.

Raising the holder raises the secondary rods during their travel. This will richen the mixture below 3500 RPM, while not affecting the mixture above 3500 RPM.

Lowering the holder will lean the mixture below 3500 RPM and will lean the mixture drastically above 3500 RPM. Again, the change is unpredictable.

If experimentation in this area is desired, the holder can be raised by placing narrow shims under the holder, one in front of and one behind the mounting screw.

Better yet, a new holder can be used. The holders are letter coded A, B, C, etc. Each letter size indicates a .005 inch change in rod height, with A being the highest or richest, and Z the lowest and leanest.

The hanger is selected at the factory to make the carburetor flow properly. Therefore, a carburetor with a D holder is not richer than a carburetor with a M holder.

If a particular carburetor has an N hanger the secondary rods can be raised .010 inch by using a K hanger, and lowered .010 inch by using an O hanger.

You can see that this is a very touchy area.

## AIR VALVE WRAP --

The air valve wrap is the amount of pre-tension applied to the air valve by the air valve spring. The spring is located at the right end of the air valve shaft (passenger side). An adjusting screw can be found on the right side of the carburetor, with an allen head lock screw below. The wrap 1/2 turn or 3/4 turn is the angle the adjusting screw is turned beyond the tension required to just close the air valve with vibration.

Before adjusting or changing the air valve wrap, note and scribe a mark where the adjusting screw is at present.

To check the wrap as received:

1. Place a narrow screwdriver in the adjusting screw.
2. Loosen the lock screw.
3. Back off, by turning counter-clockwise, the adjusting screw while "tapping" on the casting with the handle of a larger screwdriver. Note the number of turns or part of a turn before the air valve begins to open.

To set the wrap:

1. Loosen the lock screw and back off the adjusting screw until the air valve opens.
2. Begin closing the air valve by turning the adjusting screw clockwise while tapping on the casting until the air valve just barely closes.
3. Turn the adjusting screw an additional turn, 1/4, 1/2, etc. clockwise.
4. Tighten the lock screw.

Do not use more than one turn wrap to avoid over-stressing the spring.

#### TEST PROCEDURE --

First runs should be made with the carburetor in stock form. Subsequent runs may be made with the following changes:

1. Disconnect the vacuum hose from the choke diaphragm and plug the hose. Leave the spout on the diaphragm open.
2. Decrease air valve wrap in 1/4 turn steps. Make runs with diaphragm connected and disconnected. The wrap should be decreased until a loss in performance or a bog off-the-line is felt. Less wrap may be possible with the diaphragm connected. The automatic transmission cars may need more wrap than synchromesh.
3. After a particular wrap, with or without the diaphragm, is determined change secondary rods and make more runs. Try going richer first, but also don't hesitate to try a step leaner. To be sure the proper mixture has been found, it is best to find a mixture that is too rich as well as too lean.
4. Changing wrap will affect fuel mixture in the low and mid-range engine speeds, so additional changes in air valve wrap settings should be tried after secondary rods have been changed.
5. Further changes in fuel mixture can be made by changing the primary jets, plugging or restricting the secondary bleed tubes with a piece of wire, or using a new secondary rod holder.

#### VALVE TRAIN --

##### Camshafts

IMPORTANT: Production "W" car camshafts are developed on a dynamometer with cold-air induction, exhaust headers, and blocked carburetor heat. Indexing these camshafts to other-than-stock positions is not recommended. Additional performance increases here are highly unlikely, since all "indexing" has already been done on the dynamometer. Performance camshaft specifications are:



PACKAGE	1972 240 HP 2 Bbl.	1970 365 HP Auto. 1972 455 330 HP 1972 350 260 HP	1970 365 HP Sync. Transmission
Part #	402487	400165	406768
Opens	<u>Int.</u> 22° <u>Exh.</u> 68°	<u>Int.</u> 24° <u>Exh.</u> 74°	<u>Int.</u> 30° <u>Exh.</u> 78°
Closes	60°      26°	81°      33°	84°      38°
Overlap	48°	57°	68°
Duration	262°      274°	285°      287°	294°      296°
Lift	.440      .440	.472      .472	.472      .472
PACKAGE*	1972 L77 W30	1969, 1970, 1971 & 1972 W30	1969 & 1970 W31
Part #	409759	402569	1971 & 1972 345 HP 402194
Opens	<u>Int.</u> 32° BTC <u>Exh.</u> 80° BTC	<u>Int.</u> 56° BTC <u>Exh.</u> 96° BBC	<u>Int.</u> 40° BTC <u>Exh.</u> 86° BBC
Closes	82° ABC      36° ATC	92° ABC      52° ATC	88° ABC      42° ATC
Overlap	68°	108°	82°
Lift	.474      .474	.475      .475	.474      .474
Duration	294°      296°	328°      328°	308°      308°

\* This cam is the ultimate for street usage on cars with power brakes and air conditioning and production exhaust system. Idle quality is OK.

It is also recommended for jet boats with water cooled exhaust manifolds.

#### VALVE SPRINGS --

Special assemblies 404729 and 398247 and 1972 production springs 411225 have special heat-set wire that will not lose load after repeated high RPM usage.

It is not recommended to shim rocker arm stands to get near zero lash in the hydraulic lifters. This will upset valve train geometry. It is advisable to change springs and lifters if high RPM cannot be obtained.

## B L U E P R I N T I N G

For all out racing internal specs and clearances should be checked. A very important item is piston to bore clearance. With production pistons it should be .003 to .004 inches.

If forged pistons are used, additional clearance is needed since forged pistons expand more than autothermic production pistons. Use clearance suggested by piston manufacturer.

To hone the bores for increased clearance the following is recommended:

1. Insert piston upside down in the bore and check clearance between the piston skirt and the bore.
2. Hone the block with a Sunnen rigid hone with a 200-grit stone to reach the desired clearance.

The crankshaft should be ground to obtain .002-.0025 inches connecting rod clearance. .002-.0025 inches main bearing clearance on 350 engines and .002 inch maximum main bearing clearance on 455 engines should be used.

Most production engines will be very close to these recommended clearances. In that case a good engine break-in is all that's needed.

For increased bearing clearance, the following method should be used; insert the bearings in the connecting rod or main bearing cap and torque to specifications. Check the ID with a micrometer. Grind the crank for desired clearance on a crankshaft grinder. The crank should be polished after grinding.

Connecting rod side clearance should be increased to .018-.020 inches. To check side clearance, the rods should be installed on the crankshaft and torqued to specifications. Install a screwdriver between the rods and gently pry apart. Be careful not to damage the thrust face when prying apart. Insert a feeler gauge between the rods to check clearance.

As an example, assume that this clearance is .010 inches. Then remove only one rod and surface-grind .005 inches from each side. This will total .020 inches clearance.

Piston-to-deck clearance minimum specification is .002 inches. Naturally, all pistons can't be made to this exacting tolerance. Pistons should be purchased with .006"-.008" deck clearance. Check this clearance when assembling.

### Lubrication:

For all out performance, modifications should be made to the oiling system. Oil pump pressure should be about 60 psi at 2000 RPM. If more pressure is needed then a heavier oil pump bypass spring is needed or else the old one can be shimed.

Main bearing oil holes should be enlarged to 5/16".

The fitting at the front of the block that squirts oil on the timing chain should be plugged.

Toronado oil pan and pump are recommended. The Toronado pan has one more quart capacity and a skimmer baffle.

The oil pump pick up tube should be enlarged to 5/8" I.D.

Mondello Industries markets an oil pump and pan kit for Olds engines and is highly recommended. Address: 1666 Euclid, Santa Monica, Calif.

#### POWER TRAIN --

Oldsmobile W machines are produced with excellent clutch discs, pressure plates and flywheels; and they have good durability for street and strip.

For maximum protection in all out competition, the stock bell housing should be replaced with a Lakewood Industry 1/4 inch thick steel housing (Model P01).

In 1971-72 there is one 4-speed synchromesh transmission available at Olds. Ratio is:

	<u>Muncie Wide</u>
1st	2.52 - 1
2nd	1.88 - 1
3rd	1.46 - 1
4th	1 - 1

All floor shifters are made by Hurst. They are the same basic construction as the after market Hurst Competition Shifter except there are no stops and there is sound insulation on the production shifter.

Oldsmobile started manufacturing their own differentials in 1968. The following performance ratios are available for 1968, 1969 and 1970 for Cutlass and 4-4-2's - 3.42, 3.91, 4.33, 4.66 and 5.00.

The 4.33, 4.66 and 5.00 are dealer installed only. The reason for this is cooling considerations.

Differentials with ratios of 2.56, 2.78, 3.08 and 3.23 are of different design and the above ring and pinions will not interchange.

If you have a car with a 3.42 or numerically higher ratio then the performance ratios will interchange from 1970 on back through 1968.

In 1971 a new differential was designed and is common to Olds, Pontiac, Buick and Chevrolet. Axle shafts, ring & pinion and case assemblies are different to pre 1971 differentials and parts will not interchange.

The 2.56 differential is different from all other ratios. But all parts are interchangeable with 2.73 or higher numerically axles.

Production ring and pinion ratios are 2.73, 3.08, 3.23, 3.42 and 3.73. Dealer installed ratios are 4.10, 4.66 and 5.0-1.

The G.M. axle shaft is made from 1038 material and has doubtful durability in higher classes of Super Stock competition. Summers Brothers is making a high grade shaft for the G.M. differential and is better than production. Their address is:

Summers Brothers  
530 S. Mountain  
Ontario, California 91761

There are four ways to modify the turbo hydramatic 400 for quicker shifting.

The methods are:

A. Street Package - Quick Shifts

1. Rework spacer plate
  - a. Open 2nd clutch feed orifice to .110" dia.
  - b. Open 3rd clutch feed orifice to .125" dia.
2. Replace 2nd clutch wave plate with flat plate P/N 8623150.
3. Replace 3rd clutch wave plate with flat plate P/N 8625197.
4. On steps 2 and 3 be sure there is adequate clutch pack clearance.

B. Semi Bonzi - Hard Shifts

1. Open 3rd clutch feed to .180" dia. in spacer plate.
2. Replace 2nd clutch wave plate with flat plate P/N 8623150.
3. Replace 3rd clutch wave plate with flat plate P/N 8625197.
4. Replace forward clutch wave plate with flat plate P/N 8625197.
5. On steps 2 through 4 be sure there is adequate clutch pack clearance.
6. Remove the following 4 ball checks:

- a. RND
- b. 3rd clutch
- c. 2-3 Dr (2 balls)

NOTE: DO NOT remove modulator/intermediate and reverse/low ball checks.

7. Remove front accumulator spring and install piston upside down in valve body.
8. Remove center seal from forward and direct clutch drums.
9. Plug reverse clutch feed in center support with 1/4" dia. cup plug.
10. Rework 1-2 accumulator system as below:
  - a. Remove trim spring at bottom of the valve body bore.
  - b. Install 1/4" dia. copper tubing .95 long for 1 valve or .82 long if there are 2 valves. This should block the valve(s) out against the plug.



11. Install modified governor to get a higher W.O.T. RPM.

C. Full Bonzi - Maximum capacity, hard shifts, shifts only at W.O.T.

1. Items 1 through 10 on Semi Bonzi plus:
2. Block vacuum modulator valve in by installing a 5/16" dia. ball in the neck of the modulator can.
3. Plug reverse boost with 1/4" dia. cup plug in the pump cover.
4. Vent reverse boost with 1/16" deep flat on large O.D. land of boost valve.
5. Install 30.4 lb. pressure regulator spring. (1.372 checking height)
6. Remove detent solenoid.

NOTE: No vacuum or electrical connection is needed.

7. Install modified governor to get a higher W.O.T. RPM.

D. Manual Shift - Low = 1st. Intermediate = 2nd. Left in drive it's 2nd gear start and shifts to 3rd at 20 MPH.

(For use with package B or C)

1. Block detent valves apart with 5/16" dia. copper tubing .41" long.
2. Remove 1-2 modulator - regulator valves and spring.
3. Plug 1-2 valve body bore vent with 3/16" dia. cup plug.
4. Electrical connection not needed for manual shift package.

NOTE: Packages B, C and D should be reworked only by an accomplished transmission technician.

Low range can be engaged at any speed with packages C and D.

Additional welds at outer corners of converter weld nuts are recommended for speeds over 6000 RPM.

There are axle shaft differences in 1968, 1969, 1970, 1971 & 1972 differentials.

1968 shafts have 31 tooth spline.

1969 shafts have 28 tooth spline and shafts are smaller but metallurgy is better.

1970 shafts have 28 tooth spline but a change was made from a ball to a higher capacity roller bearing.

The 1971-72 shafts have 28 tooth spline but have a 30° spline angle. The 1968-69 & 70 have 45° spline angle.

## FRONT SUSPENSION

The following suspension modifications have proven successful for dragging.

### A. Springs

442	No. 400870 (Pontiac) both sides. An Olds No. 400360 spacer under left front spring.
Cutlass	No. 400870 left front (Pontiac) No. 400868 right front (Pontiac)

These springs are selected for their low rate and controlled load. They allow the car to left more on acceleration.

### B. Shocks

Cure ride 90/10. Available from speed shops and auto parts houses.

### C. Front Stabilizer Shaft Bushings

Ream hole out to 1.0". This decreases effectiveness of front stabilizer bar. This hole can be reamed with a 1" stone and electric drill.

### D. Upper Control Arm Bumper

Cut off top of bumper so that base is 3/8" thick.

### E. Tires

2-ply polyester cord with narrow tread.  
8.15 x 15 non-low profile.

## REAR SUSPENSION

### A. Springs

No 9793915 Oldsmobile

### B. Shocks

Production

### C. Control Arm Bushings

Replace all (8) with No. 388266 (Olds)

### D. Helper Springs

Use Air Lift H-D type

Start with 4 psi on both sides. Add air in 2 psi increments on the side opposite the sideways motion of rear end until car goes in straight line. For off-the-road use, a likely starting point is 5 psi left and 20 psi right.

# 1971 OLDSMOBILE "SPECS" BOOK



**Salesmen's Prices, Equipment, Colors & Trims, Specifications**

Effective December, 1970

## **MODEL PRICES**

- F-85
- CUTLASS
- CUTLASS S
- CUTLASS SUPREME
- 4-4-2
- VISTA-CRUISER
- 
- 
- 

LIFT PAGE



## MODEL PRICES...Intermediate Models

MODEL	MODEL CODE	MSRP a	DEST. CHG.b	TOTAL	LOCAL PRICE	MODEL	MODEL CODE	MSRP a	DEST. CHG.b	TOTAL	LOCAL PRICE
<b>F-85 6</b> Town Sedan	3169	\$2884.00				<b>CUTLASS S V-8</b> Sports Coupe Hardtop Coupe					
<b>F-85 V-8</b> Town Sedan	3269	3005.00					3677 3687	3078.00 3141.00			
<b>CUTLASS 6</b> Town Sedan Hardtop Coupe 2-Seat Cruiser	3569 3187 3536	2998.00 2900.00 3453.00				<b>CUTLASS SUPREME</b> Hardtop Sedan Hardtop Coupe Convertible	4239 4257 4267	3397.00 3322.00 3506.00			
<b>CUTLASS V-8</b> Town Sedan Hardtop Coupe 2-Seat Cruiser	3669 3287 3636	3119.00 3021.00 3574.00				<b>4-4-2</b> Hardtop Coupe Convertible	4487 4467	3551.00 3742.00			
<b>CUTLASS S 6</b> Sports Coupe Hardtop Coupe	3577 3587	2957.00 3020.00				<b>VISTA-CRUISER</b> 2-Seat Model 3-Seat Model	4856 4866	3865.00 4007.00			

a. Manufacturer's Suggested Retail Price. Includes reimbursement for Federal Excise Tax and Suggested Dealer New Vehicle Preparation Charge.

b. Destination Charge. \$\_\_\_\_\_ higher on models equipped with an Air Conditioner (C60).

# Models . . . **F-85** . . . Equipment

3169 Town Sedan (L-6)

3269 Town Sedan (V-8)

## STANDARD EQUIPMENT

- Armrests, Front-Door
- Ashtray, Instrument-Panel
- Battery, 45-Ampere-Hour/54-Plate (L-6) or 61-Ampere-Hour/66-Plate (V-8)
- Brakes, Front and Rear Drum
- Cigar Lighter, Instrument-Panel
- Delcotron, 37-Ampere
- Engine, Action-Line 6 (L-6)
- Engine, Rocket 350 V-8—2-bbl. carburetor (V-8)
- Floor Covering, Color-Keyed Heavy-Duty-Vinyl
- Frame, Torque-Beam
- Lamp, Dome
- Lamp Switches, Automatic Front-Door Interior
- Radio Antenna, Windshield
- Seat, Bench Front
- Seat Head Restraints, Dual Front-

- Seat Lap Belts, 3 Front- and 3 Rear-
- Seat Shoulder Belts, 2 Front-
- Tires, F78 x 14" (G78 x 14" with C60) V-8 model Blackwall Bias-Ply Belted
- Transmission, Fully Synchronized 3-Speed Column-Shift Manual
- Wheels, 14 x 6"
- Wheel Hubcaps, Chrome
- Windows, Crank-Operated Vent

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02 \$ 43.18
- A02 Windshield, Soft-Ray Tinted—Included in A01 \$ 30.54
- A41 Seat Adjuster, 4-Way Power \$ 78.99
- A90 Trunk-Lid Latch, Power \$ 14.74
- AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder \$ 15.80
- AS4 Seat Shoulder Belts, Deluxe Rear—AK1 required \$ 26.33
- AU3 Door Locks, Power \$ 70.56
- B30 Floor Carpeting, Nylon-Blend Loop-Pile \$ 21.06

- B32 Floor Mats, Auxiliary Front \$ 7.37
- B33 Floor Mats, Auxiliary Rear \$ 7.37
- B50 Seat Cushion, Extra-Foam-Padded Front— \$ 9.48
- B84 Moldings, Protective Side—with black-vinyl inserts \$ 26.33
- B90 Moldings, Chrome Side-Window Frame \$ 24.22
- B93 Moldings, Chrome Door-Edge Guard \$ 9.48
- B96 Moldings, Chrome Wheel-Opening \$ 15.80
- BC1 Instrument-Panel Trim, Wood-Grain-Vinyl \$ 10.53
- C08 Rooftop Covering, Vinyl—Includes Chrome Roof Drip Moldings \$182.16
- C49 Window Defogger, Electric Rear—N47 required in V-8 model \$ 63.19
- C60 Air Conditioner, Four-Season—Includes heavy-duty radiator, N47 required in V-8 model. N.A. with G92 \$407.59

- D33 Mirror, Remote-Control Outside Rearview \$ 12.84
- D99 Finish, Two-Tone Magic-Mirror \$ 35.86
- G80 Axle, Anti-Spin Rear \$ 44.23
- G92 Axle Package, 3.42-to-1 Heavy-Duty Performance—L74 and N10 required. N.A. with M38, C60 or Y72. V-8 model. See Power Teams \$ 21.06
- J50 Brakes, Pedal-Ease Power—N.A. with JL2 \$ 47.39
- JL2 Brakes, Power with Front Disc—N.A. with J50 \$ 69.51

- K30 Cruise Control, Automatic—M38 required. V-8 model \$ 63.19
- L74 Engine, Rocket 350 V-8 (4-bbl. carburetor)—N10 required with G92. V-8 model. See Power Teams \$ 47.39
- M38 Transmission, Turbo Hydra-matic 350—See Power Teams—L-6 Model \$211.20 V-8 Model \$221.76
- N10 Exhaust System, Dual—L74 required. Required in L74 with G92. V-8 model \$ 30.23
- N30 Steering Wheel, Deluxe \$ 15.80
- N33 Steering Wheel, Tilt-Away—Includes standard steering wheel; otherwise N30 or N34 must be ordered if desired. M38 required \$ 45.29

- N34 Steering Wheel, Custom-Sport \$ 47.39
- N47 Steering, Vari-Ratio Power \$115.85
- N66 Wheels, Super Stock II—Cast-gray color. N.A. with N67, N99, P01, P02, or P05. V-8 model \$ 73.72
- N67 Wheels, Super Stock III—Lower body color. N.A. with N66, N99, P01, P02, or P05. V-8 model \$ 73.72
- P01 Wheel Discs, Chrome—N.A. with N66, N67, P02, or P05 \$ 26.33
- P02 Wheel Discs, Deluxe—N.A. with N66, N67, P01, or P05 \$ 47.39
- P05 Wheels, Super Stock I—N.A. with N66, N67, N99, P01, or P02. V-8 model \$ 90.58
- P26 Tires, Dual-White-Stripe Bias-Ply Belted: F78 x 14" \$ 30.54 G78 x 14" with C60. V-8 model \$ 32.65
- T44 Hood Lock, Interior-Operated \$ 10.53

- U21 Rocket Rallye Pac—Includes U35. V-8 model \$ 84.26
- U35 Clock, Electric—Included in U21 \$ 18.96
- U57 Stereo Tape Player—Includes U80 with U63. U58 or U63 required: With U58 \$116.91; With U63 \$133.76
- U58 Radio, AM-FM Stereophonic Pushbutton—Includes U80 \$239.08
- U63 Radio, AM Pushbutton \$ 74.78
- U80 Radio Speaker, Bi-Phonic Rear—Included with U57 and U58 \$ 18.96

- V36 Bumper Guards, Protective Front and Rear—With vinyl inserts \$ 31.60
- W27 Axle Housing Cover, Aluminum Rear— \$ 26.33
- Y60 Convenience Group, Lamps and Mirrors—Includes trunk and underhood lamps; instrument-panel ashtray, courtesy glove compartment, and map lamps; instrument-panel-control lighting; visor vanity mirror; and rearview mirror with map lamp \$ 38.44
- Y72 Engine-Cooling Equipment, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M38. N.A. with G92. N47 required with V-8 model. With C60 \$ 21.06; Without C60 \$ 57.83

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 Suspension System, Heavy-Duty—For strenuous service: trailer towing, continuous heavy trunk loads, and when most driving is on secondary and rural roads. Includes heavy-duty front and rear springs and front stabilizer bar and FG2 shock absorbers. G66 shock absorbers available. N99 required \$ 21.06
- FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66 \$ 5.27
- G66 Shock Absorbers, Superlift Rear—For trailer towing. N99 required. N.A. with FG2 \$ 42.13
- N99 Wheels, Heavy-Duty—N.A. with N66, N67, or P05 \$ 10.53
- U89 Wiring Harness, Trailer Electrical—N99 required \$ 10.53

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine	Std. L-6		Std. V-8		L74	
	Trans.	Std.	M38	Std.	M38	Std.	M38
2.56 (G96)					S		A
2.73 (G93)		S	S	A	A	A	S
3.08 (G90)		Aa	Aa	S	Ab	A	Ab
3.23 (G91)		A	A	A	A	S	A
3.42 (G92)						Ac	

S—Standard. A—Available. a—Standard with C60 or Y72. b—For trailer towing. c—Extra-cost performance rear axle with heavy-duty shafts when G80 is ordered. N10 required. N.A. with C60 or Y72.

NOTE: Dealer-installed ratios, 4.10-, 4.66-, and 5.00-to-1, available with V-8 power teams, except with C60 or Y72.

# Models . . . **CUTLASS** . . . Equipment

3187 Hardtop Coupe (L-6)  
3287 Hardtop Coupe (V-8)

3569 Town Sedan (L-6)  
3669 Town Sedan (V-8)

3536 Cruiser (L-6)  
3636 Cruiser (V-8)

## STANDARD EQUIPMENT

- **Armrests**, Deluxe Front and Rear . . . with bright accent moldings (Sedans and Cruisers)
- **Armrests**, Front-Door (Coupes)
- **Ashtray**, Instrument-Panel
- **Ashtrays**, Rear-Armrest (Sedans and Cruisers)
- **Battery**, 45-Ampere-Hour/54-Plate (L-6) or 61-Ampere-Hour/66-Plate (V-8)
- **Brakes**, Front and Rear Drum (Sedans and Coupes)
- **Brakes**, Power Front Disc and Rear Drum (Cruisers)
- **Cigar Lighter**, Instrument-Panel
- **Delcotron**, 37-Ampere
- **Engine**, Action-Line 6 (L-6)
- **Engine**, Rocket 350 V-8—2-bbl. carburetor (V-8)
- **Floor Carpeting**, Wall-to-Wall . . . plus carpeted door lower panels (Sedans and Cruisers)
- **Floor Covering**, Color-Keyed Heavy-Duty Vinyl (Coupes)
- **Frame**, Torque-Beam
- **Lamp**, Dome
- **Lamp Switches**, Automatic Front-Door Interior
- **Moldings**, Chrome Body-Side, Rocker Panel, and Wheel-Opening (Sedans and Cruisers)
- **Moldings**, Chrome Side-Window Frame (Sedans and Cruisers)
- **Radio Antenna**, Windshield
- **Seat**, Bench Front
- **Seat Head Restraints**, Dual Front-

- B33 Floor Mats**, Auxiliary Rear . . . \$ 7.37
- B39 Floor Carpeting**, Deep-Pile Cargo-Area—Cruisers . . . \$ 20.01
- B50 Seat Cushion**, Extra-Foam-Padded Front—Cruisers . . . \$ 9.48
- B80 Moldings**, Chrome Roof Drip—Included in C08 for Sedans, Sedans and Cruisers \$ 13.69
- B84 Moldings**, Protective Side—With black-vinyl inserts. Sedans and Cruisers . . . \$ 12.64
- Coupes . . . \$ 26.33
- B93 Moldings**, Chrome Door-Edge Guard: Coupes . . . \$ 6.32
- Sedans and Cruisers . . . \$ 9.48
- B96 Moldings**, Chrome Wheel-Opening—Coupes . . . \$ 15.80
- BC1 Instrument-Panel Trim**, Wood-Grain-Vinyl . . . \$ 10.53
- C08 Rooftop Covering**, Vinyl—Includes B80. Sedans and Coupes . . . \$102.16
- C49 Window Defogger**, Electric Rear—N47 required in V-8 Coupe. Sedans and Coupes . . . \$ 63.19
- C51 Window Air Deflector**, Rear—Cruisers . . . \$ 20.84
- C60 Air Conditioner**, Four-Season—Includes heavy-duty radiator. N.A. with G92. N47 required in V-8 models. . . \$407.50
- CD3 Windshield Washer/Wiper**, Shift-Lever-Controlled—M38 required. Sedans and Cruisers . . . \$ 21.06

- N34 Steering Wheel**, Custom-Sport . . . \$ 31.60
- N47 Steering**, Vari-Ratio Power . . . \$116.85
- N66 Wheels**, Super Stock II—Cast-gray color. N.A. with N67, N99, P01, P02, or P05. V-8 Sedan and Coupe . . . \$ 73.72
- N67 Wheels**, Super Stock III—Lower body color. N.A. with N66, N99, P01, P02, or P05. V-8 Sedan and Coupe . . . \$ 73.72
- P01 Wheel Discs**, Chrome—N.A. with N66, N67, P02, or P05 . . . \$ 26.33
- P02 Wheel Discs**, Deluxe—N.A. with N66, N67, P01 or P05 . . . \$ 47.39
- P05 Wheels**, Super Stock I—N.A. with N66, N67, N99, P01, or P02. V-8 Sedan and Coupe . . . \$ 90.58
- P26 Tires**, Dual-White-Stripe Bias-Ply Belted: F78 x 14" (Sedans and Coupes) . . . \$ 30.54
- G78 x 14" (Sedans and Coupes with C60 or FE2) V-8 models . . . \$ 32.65
- H78 x 14" (Cruisers) . . . \$ 35.81
- PC2 Wheels**, 14 x 7"—N.A. with F41, G66, or U89. Coupes . . . \$52.27
- PK5 Tires**, G70 x 14" Blackwall Wide-Oval Bias-Ply Belted—With raised white letters. Coupes . . . \$103.21
- V-8 Coupes with C60 or FE2 . . . \$ 88.47
- PX8 Tires**, G70 x 14" Single-White-Stripe Wide-Oval Bias-Ply Belted. Coupes . . . \$ 78.99
- V-8 Coupes with C60 or FE2 . . . \$ 64.25
- T44 Hood Lock**, Interior-Operated . . . \$ 10.53

- Y60 Convenience Group**, Lamps and Mirrors—Includes underhood lamp; instrument-panel ashtray, courtesy, glove compartment, and map lamps; rear-door automatic interior-lamp switches in Sedans and Cruisers; instrument-panel-control lighting; visor vanity mirror; rearview mirror with map lamp; trunk lamp in Sedans and Coupes: Sedans . . . \$ 36.44
- Coupes . . . \$ 30.12
- Cruisers . . . \$ 34.76
- Y72 Engine-Cooling Equipment**, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M38. N.A. with G92 or M20. N47 required in V-8 models: With C60 . . . \$21.06; Without C60 . . . \$ 57.93
- Y73 Paint Stripes**, Hood Y75 required. Coupes . . . \$ 47.39
- Y75 Exterior Sport Equipment**—Includes Cutlass S hood, body-side paint stripes, and chrome wheel-opening moldings (B96). Coupes . . . \$ 52.66

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 Suspension System**, Heavy-Duty—For strenuous service: trailer towing, continuous heavy trunk loads, and when most driving is on secondary and rural roads. Includes heavy-duty front and rear springs and front stabilizer bar, and FG2 shock absorbers. G66 shock absorbers available. N.A. with PC2. N99 required on Sedans and Coupes \$ 21.06
- FE2 Suspension Package**, Rallye—Includes heavy-duty front and rear springs, shock absorbers, and stabilizer bars; and heavy-duty rear suspension lower control arms. Includes PC2 unless N66, N67, or P05 is ordered. N.A. with FG2, G66, N99, or U89. V-8 Coupe: With N66, N67, or P05 . . . \$ 13.27
- Without N66, N67, or P05 . . . \$ 18.54
- FG2 Shock Absorbers**, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with FE2 or G66 . . . \$ 5.27
- G66 Shock Absorbers**, Superlift Rear—For trailer towing. N99 required on Sedans and Coupes. N.A. with FE2, FG2, or PC2 . . . \$ 42.13
- N99 Wheels**, Heavy-Duty—N.A. with FE2, N66, N67 or P05. Sedans and Coupes . . . \$ 10.53
- U89 Wiring Harness**, Trailer Electrical—N.A. with PC2. N99 required . . . \$ 10.53

- **Seat Lap Belts**, 3 Front- and 3 Rear—
- **Seat Shoulder Belts**, 2 Front—
- **Steering Wheel**, Deluxe
- **Tailgate**, Drop-or-Swing (Cruisers)
- **Tires**, Blackwall Bias-Ply Belted: F78 x 14" (Sedans and Coupes). G78 x 14" (Sedans and Coupes with C60). V-8 models H78 x 14" (Cruisers)
- **Transmission**, Fully Synchronized 3-Speed Column-Shift Manual
- **Ventilation**, Flo-Thru (Coupes)
- **Wheels**, 14 x 6" (Sedans and Coupes)
- **Wheels**, 14 x 6" Heavy-Duty (Cruisers)
- **Wheel Hubcaps**, Chrome
- **Windows**, Crank-Operated Vent (Sedans and Cruisers)
- **Windshield Wipers**, Recessed-Park (Sedans and Cruisers)

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows**, Soft-Ray Tinted—Includes A02 . . . \$ 43.18
- A02 Windshield**, Soft-Ray Tinted—Included in A01 . . . \$ 30.54
- A31 Windows**, Power Side—Sedans and Cruisers . . . \$115.85
- A33 Window**, Power Tailgate—Cruisers . . . \$ 34.76
- A41 Seat Adjuster**, 4-Way Power . . . \$ 78.99
- A90 Trunk-Lid Latch**, Power—Sedans and Coupes . . . \$ 14.74
- AK1 Seat Belts**, Lap Belts Front and Rear and Deluxe Front Shoulder . . . \$ 15.80
- AS4 Seat Shoulder Belts**, Deluxe Rear—AK1 required . . . \$ 26.33
- AU3 Door Locks**, Power—For all doors: Coupes . . . \$ 47.39
- Sedans and Cruisers . . . \$ 70.56
- B30 Floor Carpeting**, Nylon-Blend Loop-Pile—Coupes . . . \$ 21.06
- B32 Floor Mats**, Auxiliary Front . . . \$ 7.37

- D33 Mirror**, Remote-Control Outside Rearview . . . \$ 12.64
- D35 Mirrors**, Sports-Styled Outside Rearview—Includes left-hand mirror with remote control and right-hand mirror. Color-matched to car color. N.A. with D33. Coupes . . . \$ 22.12
- D99 Finish**, Two-Tone Magic-Mirror: Sedans and Coupes . . . \$ 36.86
- Cruisers . . . \$ 27.38
- G80 Axle**, Anti-Spin Rear . . . \$ 44.23
- G92 Axle Package**, 3.42-to-1 Heavy-Duty Performance—L74 required. N.A. with M38, C60, or Y72. V-8 Sedan and Coupe. See Power Teams . . . \$ 21.06
- J50 Brakes**, Pedal-Ease Power—N.A. with JL2. Sedans and Coupes . . . \$ 47.39
- JL2 Brakes**, Power with Front Disc—N.A. with J50. Sedans and Coupes . . . \$ 69.51
- K30 Cruise Control**, Automatic—M38 required. V-8 models . . . \$ 63.19
- L74 Engine**, Rocket 350 V-8 (4-bbl. carburetor)—N10 required with G92. V-8 models. See Power Teams . . . \$ 47.39
- M14 Transmission**, 3-Speed Floor-Shift Heavy-Duty—Includes Hurst Shifter. L74 required. V-8 Coupe. See Power Teams . . . \$ 84.26
- M20 Transmission**, 4-Speed Floor-Shift Wide-Ratio—Includes Hurst Shifter. L74 required. V-8 Coupe. See Power Teams . . . \$195.36
- M38 Transmission**, Turbo Hydra-matic 350—See Power Teams—L-6 Models . . . \$221.76
- V-8 Models . . . \$221.76
- N10 Exhaust System**, Dual—L74 required. Required in L74 with G92. V-8 Sedan and Coupe . . . \$ 30.23
- N33 Steering Wheel**, Tilt-Away—M14, M20, or M38 required . . . \$ 45.29

- U21 Rocket Rallye Pac**—Includes U35. V-8 models . . . \$ 84.26
- U35 Clock**, Electric—Included in U21 . . . \$ 18.96
- U57 Stereo Tape Player**—Includes U80 with U63. U58 or U63 required: With U58 . . . \$116.91; With U63 . . . \$133.76
- U58 Radio**, AM-FM Stereophonic Pushbutton—Includes U80 . . . \$239.08
- U63 Radio**, AM Pushbutton . . . \$ 74.78
- U80 Radio Speaker**, Bi-Phonic Rear—Included with U57 and U58 . . . \$ 18.96
- V35 Bumper Guards**, Protective—With vinyl inserts: Front and Rear (Sedans and Coupes) . . . \$ 31.60
- Front (Cruisers) . . . \$ 15.80
- V55 Luggage Carrier**, Chrome Rooftop—Cruisers . . . \$ 63.19
- Cruisers . . . \$ 12.64
- W27 Axle Housing Cover**, Aluminum Rear . . . \$ 25.33
- W35 Spoiler**, Rear-Deck—Coupes . . . \$ 73.72

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine		Std. L-6		Std. V-8		L74		
	Trans.	Std.	M38	Std.	M38	Std.	M14	M20	M38
2.56 (G96)					S				A
2.73 (G93)		S	S	A	A	A	A		S
3.08 (G90)		Aa	Aa	S	Ab	A	A		Ab
3.23 (G91)		A	A	A	A	S	S		A
3.42 (G92)						Ac	Ac	Ac	

S—Standard. A—Available. a—Standard with C60 or Y72. b—For trailer towing. c—Extra-cost performance rear axle with heavy-duty shafts when G80 is ordered. N10 required. N.A. with C60 or Y72. NOTE: Dealer-installed ratios, 4.10, 4.66, and 5.00-to-1, available with V-8 power teams for Sedan and Coupe, except with C60 or Y72.

# Models . . . CUTLASS S . . . Equipment

## 3577 Sports Coupe (L-6)

## 3677 Sports Coupe (V-8)

## 3587 Hardtop Coupe (L-6)

## 3687 Hardtop Coupe (V-8)

### STANDARD EQUIPMENT

- Armrests, Deluxe Front and Rear (with bright accent moldings)
- Ashtrays, Instrument-Panel and Rear-Armrest
- Battery, 45-Ampere-Hour/54-Plate (L-6) or 61-Ampere-Hour/66-Plate (V-8)
- Brakes, Front and Rear Drum
- Cigar Lighter, Instrument-Panel
- Delco-Ron, 37-Ampere
- Engine, Action-Line 6 (L-6)
- Engine, Rocket 350 V-8—2-bbl. carburetor (V-8)
- Floor Carpeting, Wall-to-Wall
- Frame, Torque-Beam
- Lamp, Dome
- Lamp Switches, Automatic Interior
- Louver Grilles, Chrome Hood
- Moldings, Chrome Body-Side, Rocker Panel, and Wheel-Opening
- Radio Antenna, Windshield
- Seat, Bench Front (with bright moldings)
- Seat Cushions, Foam-Padded Front- and Rear-
- Seat Head Restraints, Dual Front-
- Seat Lap Belts, 3 Front- and 3 Rear-
- Seat Shoulder Belts, 2 Front-
- Steering Wheel, Deluxe
- Tires, F78 x 14" (G78 x 14" with C60) V-8 models Blackwall Bias-Ply Belted

- B90 Moldings, Chrome Side-Window Frame—Sports Coupes . . . \$ 24.22
- B93 Moldings, Chrome Door-Edge Guard . . . \$ 6.32
- BC1 Instrument-Panel Trim, Wood-Grain-Vinyl . . . \$ 10.53
- C08 Rooftop Covering, Vinyl—Includes B80 . . . \$102.16
- C49 Window Defogger, Electric Rear—N47 required in V-8 models . . . \$ 63.19
- C60 Air Conditioner, Four-Season—Includes heavy-duty radiator, N.A. with G92 or M20. N47 required in V-8 models . . . \$407.69
- CD3 Windshield Washer/Wiper, Shift-Lever-Controlled—M38 with column-shift required . . . \$ 21.06
- D33 Mirror, Remote-Control Outside Rearview—N.A. with D35 . . . \$ 12.84
- D35 Mirrors, Sports-Styled Outside Rearview—Includes left-hand mirror with remote control and right-hand mirror. Color-matched to car color. N.A. with D33 . . . \$ 22.12
- D55 Console, Sports—With manual transmission, includes lockable map case and instrument-panel courtesy and map lamps. With automatic transmission, includes floor-shift transmission control, lockable map case with lamp, and rear console lamp. A51 and M14, M20, or M38 required . . . \$ 61.89

- N67 Wheels, Super Stock III—Lower body color. N.A. with N66, N99, P01, P02, or P05. V-8 models . . . \$ 73.72
- P01 Wheel Discs, Chrome—N.A. with N66, N67, P02, or P05 . . . \$ 26.33
- P02 Wheel Discs, Deluxe—N.A. with N66, N67, P01, or P05 . . . \$ 47.39
- P05 Wheels, Super Stock I—N.A. with N66, N67, N99, P01, or P02. V-8 models . . . \$ 30.58
- P26 Tires, Dual-White-Stripe Bias-Ply Belted: F78 x 14" . . . \$ 30.54 G78 x 14" with C60 or FE2, V-8 models . . . \$ 32.65
- PC2 Wheels, 14 x 7"—N.A. with F41, G66, or U89. V-8 models . . . \$ 5.27
- PK5 Tires, G70 x 14" Blackwall Wide-Oval Bias-Ply Belted—With raised white letters . . . \$103.21 V-8 Coupes with C60 or FE2 . . . \$ 88.47
- PX8 Tires, G70 x 14" Single-White-Stripe Wide-Oval Bias-Ply Belted . . . \$ 78.99 V-8 Coupes with C60 or FE2 . . . \$ 64.25
- T44 Hood Lock, Interior-Operated . . . \$ 10.53
- U21 Rocket Rallye Pac—Includes U35 . . . \$ 84.28
- U35 Clock, Electric—Included in U21 . . . \$ 18.96
- U57 Stereo Tape Player—Includes U80 with U63. U58 or U63 required. With U58 . . . \$116.91; With U63 . . . \$133.76

- Y60 Convenience Group, Lamps and Mirrors—Includes trunk and underhood lamps; instrument-panel ashtray and glove compartment lamps; (included in D55 with manual transmission); instrument-panel-control lighting; visor vanity mirror; and rearview mirror with map lamp . . . \$ 30.12

- Y72 Engine-Cooling Equipment, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delco-Ron, plus transmission oil cooler with M38. N.A. with G92 or M20. N47 required in V-8 models: With C60 . . . \$ 21.08; Without C60 . . . \$ 57.93

- Y73 Paint Stripes, Hood—N.A. with W25 . . . \$ 47.39

### SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 Suspension System, Heavy-Duty—For strenuous service: trailer towing, continuous heavy trunk loads, and when most driving is on secondary and rural roads. Includes heavy-duty front and rear springs and front stabilizer bar, and FG2 shock absorbers. G66 shock absorbers available. N.A. with PC2. N99 required . . . \$ 21.06

- Transmission, Fully Synchronized 3-Speed Column-Shift Manual
- Ventilation, Flo-Thru Body (Hardtop Coupes)
- Wheels, 14 x 6"
- Wheel Hubcaps, Chrome
- Windows, Crank-Operated Vent (Sports Coupes)
- Windshield Wipers, Recessed-Park

### FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02 Column-Shift Manual . . . \$ 43.18
- A02 Windshield, Soft-Ray Tinted—Included in A01 . . . \$ 30.54
- A31 Windows, Power Side . . . \$115.85
- A41 Seat Adjuster, 4-Way Power—For bench seat. N.A. with A51 . . . \$ 78.99
- A46 Seat Adjuster, 4-Way Power—For left-side bucket seat. A51 required . . . \$ 78.99
- A51 Seats, Strato Bucket . . . \$ 88.46
- A90 Trunk-Lid Latch, Power . . . \$ 14.74
- AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder: With bench seat . . . \$ 15.80 With A51 . . . \$ 14.22
- AS4 Seat Shoulder Belts, Deluxe Rear—AK1 required . . . \$ 26.33
- AU3 Door Locks, Power . . . \$ 47.39
- B32 Floor Mats, Auxiliary Front . . . \$ 7.37
- B33 Floor Mats, Auxiliary Rear . . . \$ 7.37
- B80 Moldings, Chrome Roof Drip—B85 required. Included in C08 . . . \$ 13.59
- B84 Moldings, Protective Side—With black-vinyl inserts . . . \$ 12.64
- B85 Moldings, Chrome Side-Window Sill—B80 required . . . \$ 21.06

- D99 Finish, Two-Tone Magic-Mirror . . . \$ 38.86
- G80 Axle, Anti-Spin Rear . . . \$ 44.23
- G92 Axle Package, 3.42-to-1 Heavy-Duty Performance—L74 and N10 required. N.A. with M38, C60 or Y72. V-8 models. See Power Teams . . . \$ 21.06
- J50 Brakes, Pedal-Ease Power—N.A. with JL2 . . . \$ 47.39
- JL2 Brakes, Power with Front Disc—N.A. with J50 . . . \$ 69.51
- K30 Cruise Control, Automatic—M38 required. V-8 models . . . \$ 63.19
- L74 Engine, Rocket 350 V-8 (4-bbl. carburetor)—Required with M14 or M20. N10 required with G92. V-8 models. See Power Teams . . . \$ 47.39
- M14 Transmission, 3-Speed Floor-Shift Heavy-Duty—Includes Hurst Shifter. L74 required. V-8 models. See Power Teams . . . \$ 84.26
- M20 Transmission, 4-Speed Floor-Shift Wide-Ratio—Includes Hurst Shifter. L74 required. V-8 models. See Power Teams . . . \$195.36
- M35 Transmission, Turbo Hydra-Matic 350—See Power Teams—L-6 Models . . . \$211.20 V-8 Models . . . \$221.76
- N10 Exhaust System, Dual—Required in L74 with G92. V-8 models . . . \$ 30.23
- N33 Steering Wheel, Tilt-Away—M14, M20, or M38 required . . . \$ 45.29
- N34 Steering Wheel, Custom-Sport . . . \$ 31.60
- N47 Steering, Vari-Ratio Power . . . \$115.85
- N66 Wheels, Super Stock II—Cast-iron color. N.A. with N67, N99, P01, P02, or P05. V-8 models . . . \$ 73.72

- U58 Radio, AM-FM Stereophonic Pushbutton—Includes U80 . . . \$239.08
- U63 Radio, AM Pushbutton . . . \$ 74.78
- U80 Radio Speaker, Bi-Phonic Rear—Included with U57 and U58 . . . \$ 18.96
- V36 Bumper Guards, Protective Front and Rear—With vinyl inserts . . . \$ 31.60
- W25 Hood, Dual-Intake Force-Air Fiberglass—Includes special hood paint. L74 required. N.A. with Y73. V-8 models . . . \$167.98
- W26 Console, Sports with Hurst Dual-Gate Shifter—Includes lockable map case with lamp, and rear console lamp. A51 and M38 required . . . \$ 76.88
- W27 Axle Housing Cover, Aluminum Rear . . . \$ 26.33
- W35 Spoiler, Rear-Deck . . . \$ 73.72

- FE2 Suspension Package, Rallye—Includes heavy-duty front and rear springs, shock absorbers, and stabilizer bars; and heavy-duty rear-suspension lower control arms. Includes PC2 unless N66, N67, or P05 is ordered. N.A. with FG2, G66, N99, or U89. V-8 models: With N66, N67, or P05 . . . \$ 13.27 Without N66, N67, or P05 . . . \$ 18.54
- FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with FE2 or G66 . . . \$ 5.27
- G66 Shock Absorbers, Superlift Rear—For trailer towing. N99 required. N.A. with FE2, FG2, or PC2 . . . \$ 42.13
- N99 Wheels, Heavy-Duty—N.A. with FE2, N66, N67, or P05 . . . \$ 10.53
- U89 Wiring Harness, Trailer Electrical—N99 required . . . \$ 10.53

### FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine Trans.	Std. L-6		Std. V-8		L74			
		Std.	M38	Std.	M38	Std.	M14	M20	M38
2.56 (G96)					S				A
2.73 (G93)		S	S	A	A	A	A		S
3.08 (G90)		Aa	Aa	S	Ab	A	A		Ab
3.23 (G91)		A	A	A	A	S	S	S	A
3.42 (G92)						Ac	Ac	Ac	

S—Standard. A—Available. a—Standard with C60 or Y72. b—For trailer towing. c—Extra-cost performance axle with heavy-duty shafts when G80 is ordered. N10 required. N.A. with C60 or Y72.

NOTE: Dealer-installed ratios, 4.10-, 4.66-, and 5.00-to-1, available with V-8 power teams. N.A. with C60 or Y72.



# Models . . . CUTLASS SUPREME . . . Equipment

4239 Hardtop Sedan

4257 Hardtop Coupe

4267 Convertible

## STANDARD EQUIPMENT

- Armrests, Deluxe Front and Rear (with bright accent moldings, plus bright back plates on doors)
- Battery, 61-Ampere-Hour/66-Plate
- Brakes, Front and Rear Drum
- Cigar Lighter, Instrument-Panel
- Delcotron, 37-Ampere
- Engine, Rocket 350 V-8 (4-bbl. carburetor)
- Floor Carpeting, Wall-to-Wall (with carpeted cowl and door panels, plus carpeted front-back lower panel in Sedan)
- Frame, Torque-Beam
- Instrument-Panel-Control Lighting (Convertible)
- Instrument-Panel Trim, Wood-Grain-Vinyl
- Lamp, Dome (Sedan and Coupe)
- Lamps, Instrument-Panel Courtesy and Map
- Lamps, and Rear-Armrest Courtesy (Convertible)
- Lamp Switches, Automatic Front-Door Interior
- Moldings, Chrome Body-Side, Fender, and Wheel-Opening
- Moldings, Chrome Rear Drip (Sedan and Coupe)
- Radio Antenna, Windshield
- Seat, Custom Sport Front (with center armrest and bright moldings—Sedan)
- Seats, Strato Bucket (with bright moldings—Coupe and Convertible)
- Seat Cushions, Foam-Padded Front- and Rear-
- Seat Head Restraints, Dual Front-
- Seat Lap Belts, 2 Front- and 3 Rear- (Coupe

- AS4 Seat Shoulder Belts, Deluxe Rear—A39 or AK1 required. \$ 28.33
- AU3 Door Locks, Power—For all doors: Coupe and Convertible. \$ 47.39
- Sedan. \$ 70.56
- B32 Floor Mats, Auxiliary Front. \$ 7.37
- B33 Floor Mats, Auxiliary Rear. \$ 7.37
- B85 Moldings, Chrome Side-Window Sill—Included in C08. Coupe. \$ 21.06
- B93 Moldings, Chrome Door-Edge Guard: Coupe and Convertible. \$ 6.32
- Sedan. \$ 9.48
- C08 Rooftop Covering, Vinyl—Includes B85 on Coupe. Sedan and Coupe. \$102.16
- C49 Window Defogger, Electric Rear—N47 required. Sedan and Coupe. \$ 63.19
- C60 Air Conditioner, Four-Season—Includes heavy-duty radiator. N.A. with G92. N47 required. \$407.59
- CD3 Windshield Washer/Wiper, Shift-Lever-Controlled—M38 or M40 with column shift required. \$ 21.06
- D33 Mirror, Remote-Control Outside Rearview—N.A. with D35. \$ 12.84
- D35 Mirrors, Sports-Styled Outside Rearview—Includes left-hand mirror with remote control and right-hand mirror. Color-matched to car color. N.A. with D33. Coupe and Convertible. \$ 22.12
- D55 Console, Sports—With manual transmission, includes lockable map case, plus instrument-

- N33 Steering Wheel, Tilt-Away—M14, M20, M38, or M40 required. \$ 45.29
- N34 Steering Wheel, Custom-Sport. \$ 31.60
- N47 Steering, Vari-Ratio Power. \$115.85
- N66 Wheels, Super Stock II—Cast-iron color. N.A. with N67, N99, P01, P02, or P05. \$ 73.72
- N67 Wheels, Super Stock III—Lower body color. N.A. with N65, N99, P01, P02, or P05. \$ 73.72
- P01 Wheel Discs, Chrome—N.A. with N65, N67, N99, P02 or P05. \$ 26.33
- P02 Wheel Discs, Deluxe—N.A. with N65, N67, P01, or P05. \$ 47.39
- P05 Wheels, Super Stock I—N.A. with N65, N67, N99, P01, or P02. \$ 90.58
- P26 Tires, Dual-White-Stripe Bias-Ply Belted: F78 x 14". \$30.54 G78 x 14" with C60, FE2, or Y79. \$ 32.65
- PC2 Wheels, 14 x 7"—N.A. with F41, G66, or U89. Coupe and Convertible. \$ 5.27
- PK5 Tires, G70 x 14" Blackwall Wide-Over Bias-Ply Belted—With raised white letters. Coupe and Convertible. \$103.21
- With C60, FE2, or Y79. \$ 88.47
- PK8 Tires, G70 x 14" Single-White-Stripe Wide-Over Bias-Ply Belted—Coupe and Convertible. \$ 78.99
- With C60, FE2, or Y79. \$ 64.25

ment-panel ashtray, glove compartment, and ashtray, courtesy and map lamps, and instrument-panel-control lighting (std. in Convertible); roof rear-quarter lamps (Sedan and Coupe); rear-door interior-lamp switches (Sedan); visor vanity mirror; and rearview mirror with map lamp.

Sedan \$42.76; Coupe \$38.44; Conv. \$ 16.43

Y70 Paint Stripes, Body-Side—Coupe and Convertible. \$ 21.06

Y72 Engine-Cooling Equipment, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M38 or M40. N.A. with G92. N47 required: With C60. \$21.06; Without C60. \$ 57.93

Y79 "SX" Performance Package—Includes Rocket 455 V-8 Engine with 4-bbl. carburetor and dual exhausts (L32); and special fender ornaments, rear bumper, and exhaust outlets. M40 required. Coupe and Convertible. See Power Teams: \$151.66

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

F41 Suspension System, Heavy-Duty—For strenuous service: trailer towing, continuous heavy trunk loads, and when most driving is on secondary and rural roads. Includes heavy-

- and Convertible); 3 Front- and 3 Rear- (Sedan)
- Seat Shoulder Belts, 2 Front-
- Steering Wheel, Deluxe
- Tires, F78 x 14" (G78 x 14" with C60) Blackwall Bias-Ply Belted
- Top, Power (Convertible)
- Transmission, Fully Synchronized 3-Speed Column-Shift, Manual
- Ventilation, Flo-Thru Body
- Wheels, 14 x 6"
- Wheel Hubcaps, Chrome
- Windshield Wipers, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02. \$ 43.18
- A02 Windshield, Soft-Ray Tinted—Included in A01. \$ 30.54
- A31 Windows, Power Side. \$115.85
- A32 Seat Belts, Lap Deluxe Front and Rear—Included in AK1. Convertible: Except with A65 (2 belts). \$ 11.06
- With A65 (3 belts). \$ 12.64
- A41 Seat Adjuster, 4-Way Power—For bench seat. A65 required in Coupe and Convertible. \$ 78.99
- A46 Seat Adjuster, 4-Way Power—For left-side bucket seat. N.A. with A65. Coupe and Convertible. \$ 78.99
- A65 Seat, Custom Sport Front—Includes center armrest and bright moldings. N.A. with D55 or W26. Coupe and Convertible. No Chg.
- A90 Trunk-Lid Latch, Power. \$ 14.74
- AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder: Coupe with bucket seats. \$ 14.22
- Sedan, and Coupe with A65. \$ 15.80
- Convertible with bucket seats. \$ 37.39
- Convertible with A65. \$ 38.97

- panel courtesy and map lamps (std. in Convertible) in Coupe. With automatic transmission, includes floor-shift transmission control, lockable map case with lamp, and rear console lamp. M14, M20, M38, or M40 required. N.A. with A65. Coupe and Convertible. \$ 61.09
- D99 Finish, Two-Tone Magic-Mirror—Sedan and Coupe. \$ 36.86
- G80 Axle, Anti-Spin Rear. \$ 44.23
- G92 Axle Package, 3.42-to-1 Heavy-Duty Performance—N.A. with L65, M38, C60, or Y72. N10 required with standard engine. See Power Teams. \$ 21.06
- J50 Brakes, Pedal-Ease Power—N.A. with J12. \$ 47.39
- J12 Brakes, Power with Front Disc—N.A. with J50. \$ 69.51
- K30 Cruise Control, Automatic—M38 or M40 required. \$ 63.19
- L65 Engine, Rocket 350 V-8 (2-bbl. carburetor)—N.A. with Y79. See Power Teams—Deduct \$ 33.70
- M14 Transmission, 3-Speed Floor-Shift Heavy-Duty—Includes Hurst Shifter. N.A. with L65 or Y79. Coupe and Convertible. See Power Teams. \$ 84.26
- M29 Transmission, 4-Speed Floor-Shift Wide-Ratio—Includes Hurst Shifter. N.A. with L65 or Y79. Coupe and Convertible. See Power Teams. \$195.36
- M38 Transmission, Turbo Hydra-matic 350—N.A. with Y79. See Power Teams. \$221.76
- M40 Transmission, Turbo Hydra-matic 400—Y79 required. Coupe and Convertible. See Power Teams. \$242.88
- N10 Exhaust System, Dual—Included in Y79. Required with standard V-8 with G92. N.A. with L65. \$ 30.23

- T44 Hood Lock, Interior-Operated. \$ 10.53
- U21 Rocket Rallye Pac—Includes U35. \$ 84.26
- U35 Clock, Electric—Included in U21. \$ 18.96
- U57 Stereo Tape Player—Includes U80 with U63. U58 or U63 required: With U58. \$116.91; With U63. \$133.76
- U58 Radio, AM-FM Stereophonic Pushbutton—Includes U80. \$239.08
- U63 Radio, AM Pushbutton. \$ 74.78
- U80 Radio Speaker, Bi-Phonic Rear—Included with U57 and U58. \$ 18.96
- V36 Bumper Guards, Protective Front and Rear—With vinyl inserts. \$ 31.60
- W26 Console, Sports with Dual-Gate Shifter—Includes Hurst Dual-Gate Shifter, lockable map case with lamp, and rear console lamp. M38 or M40 required. N.A. with A65. Coupe and Convertible. \$ 76.88
- W27 Axle Housing Cover, Aluminum Rear. \$ 26.33
- Y60 Convenience Group, Lamps and Mirrors—Includes trunk and underhood lamps; Instru-

duity front and rear springs and front stabilizer bar, and FG2 shock absorbers. G66 shock absorbers available. N.A. with PC2. N99 required. \$ 21.06

FE2 Suspension Package, Rallye—Includes heavy-duty front and rear springs, shock absorbers, and stabilizer bars; and heavy-duty rear-suspension lower control arms. Includes PC2, unless N66, N67, or P05 is ordered. N.A. with FG2, G66, N99 or U89. Coupe and Convertible: With N66, N67, or P05. \$ 13.27

FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with FE2 or G66. \$ 5.27

G66 Shock Absorbers, Superlift Rear—For trailer towing—N99 required. N.A. with FE2, FG2, or PC2. \$ 42.15

N99 Wheels, Heavy-Duty—N.A. with FE2, N66, N67, or P05. \$ 10.53

U89 Wiring Harness, Trailer Electrical—N.A. with PC2. N99 required. \$ 10.53

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Models					
	All			Coupe and Convertible		
	Engine	Std.	V-8, L65	Std.	V-8	L32 (Y79)
2.56 (G96)			S			S
2.73 (G93)	A		A	A		A
3.08 (G90)	A	Aa				A
3.23 (G91)	S	A		S	S	
3.42 (G92)	Ab			Ab	Ab	

S—Standard. A—Available. a—For trailer towing except with L65. b—Extra-cost performance axle with heavy-duty shafts when G80 is ordered. N.A. with L65. N10 required with standard V-8. NOTE: Dealer-installed ratios, 4.10-, 4.65-, and 5.00-to-1, available. N.A. with C60 or Y72.

# Models ... 4-4-2 ... Equipment

4487 Hardtop Coupe

4467 Convertible

## STANDARD EQUIPMENT

- Armrests, Deluxe Front and Rear (with bright accent moldings, plus bright backplates on doors)
- Ashtrays, Instrument-Panel and Rear-Armrest
- Battery, 74-Ampere-Hour/90-Plate
- Brakes, Front and Rear Drum
- Cigar Lighter, Instrument-Panel
- Delcoltron, 37-Ampere (with integral, solid-state Voltage Regulator)
- Engine, 4-4-2 Rocket 455 V-8 (4-bbl. carburetor)
- Exhaust System, Full Dual
- Floor Carpeting, Wall-to-Wall
- Frame, Torque-Beam
- Instrument-Panel-Control Lighting (Convertible)
- Instrument-Panel Trim, Wood-Grain-Vinyl
- Lamp, Dome (Coupe)
- Lamps, Instrument-Panel Ashtray, Courtesy and Map Lamps, and Rear-Armrest Courtesy (Convertible)
- Lamp Switches, Automatic Interior-
- Louver Grilles, Chrome Hood
- Moldings, Chrome Roof Drip (Coupe)

- Moldings, Chrome Wheel-Opening
- Paint Stripes, Hood, Body-Side, and Trunk-Lid
- Radio Antenna, Windshield
- Seats, Strato Bucket (with bright moldings)
- Seat Cushions, Foam-Padded Front- and Rear-
- Seat Head Restraints, Dual Front-
- Seat Lap Belts, 2 Front- and 3 Rear-
- Seat Shoulder Belts, 2 Front-
- Steering Wheel, Deluxe
- Suspension System, Rallye (heavy-duty front and rear springs, shock absorbers, and stabilizer bars and rear-suspension lower control arms; plus heavy-duty drive shaft and front engine mountings)
- Top, Power (Convertible)
- Tires, G70 x 14" Single-White-Stripe Wide-oval Bias-Ply Belted
- Transmission, Fully Synchronized 3-Speed Floor-Shift Heavy-Duty Manual (with Hurst Shifter)
- Ventilation, Flo-Thru Body
- Wheels, 14 x 7"
- Wheel Hubcaps, Chrome
- Windshield Wipers, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02 \$ 43.18
- A02 Windshield, Soft-Ray Tinted—Included in A01 \$ 30.54
- A31 Windows, Power Side \$115.85

- A39 Seat Belts, Lap Deluxe Front- and Rear—Included in AK1 Convertible: \$ 11.06  
Except with A65 (2 belts) \$ 12.64  
With A65 (3 belts) \$ 12.64
- A41 Seat Adjuster, 4-Way Power—For bench seat, A65 required. Convertible \$ 78.99
- A46 Seat Adjuster, 4-Way Power—For left-side bucket seat, N.A. with A52 or A65 \$ 78.99
- A52 Seat, Bench Front—Includes bright moldings. N.A. with D55 or W26. Coupe \$ 68.46  
Convertible Deduct \$ 68.46
- A65 Seat, Custom Sport Front—Includes center armrest and bright moldings. N.A. with D55 or W26. Convertible No. Chg.
- A90 Trunk-Lid Latch, Power \$ 14.74
- AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder: \$ 14.22  
Coupe with bucket seats \$ 15.80  
Coupe with A52 \$ 37.39  
Convertible with bucket seats \$ 38.97  
Convertible with A65 \$ 28.33
- A54 Seat Shoulder Belts, Deluxe Rear—A39 or AK1 required \$ 28.33
- AU3 Door Locks, Power \$ 47.39
- B32 Floor Mats, Auxiliary Front \$ 7.37
- B33 Floor Mats, Auxiliary Rear \$ 7.37

- B85 Moldings, Chrome Side-Window Sill—Coupe \$ 21.06
- B93 Moldings, Chrome Door-Edge Guard \$ 6.32
- C08 Roofrack Covering, Vinyl—Coupe \$102.15
- C49 Window Defogger, Electric Rear—N47 required. Coupe \$ 63.19
- C60 Air Conditioner, Four-Season—Includes heavy-duty radiator. N.A. with G89 or G92. Available with W30 only with M40, G91, and JL2. N47 required. See Power Teams \$407.99
- CD3 Windshield Washer/Wiper, Shift-Lever-Controlled—M40 with column shift required \$ 21.06
- D33 Mirror, Remote-Control Outside Rearview—N.A. with D35 or W30 \$ 12.64
- D35 Mirrors, Sports-Styled Outside Rearview—Includes left-hand mirror with remote control and right-hand mirror. Color-matched to car color. N.A. with D33 \$ 22.12
- D65 Console, Sports—With manual transmission, includes lockable map case, plus instrument-panel courtesy and map lamps (std. in Convertible) in Coupe. With automatic transmission, includes floor-shift transmission control, lockable map case with lamp, and rear console lamp. N.A. with A52 or A65 \$ 61.09
- D99 Finish, Two-Tone Magic-Mirror—Coupe \$ 38.86
- G80 Axle, Anti-Spin Rear—Required with G89 \$ 44.23
- G89 Axle Package, 3.73-to-1 Heavy-Duty Performance—Recommended for off-highway use only. W30 required. N.A. with C60 or Y72. See Power Teams. Package includes G80 Anti-Spin Axle \$ 68.48

- G92 Axle Package, 3.42-to-1 Heavy-Duty Performance—N.A. with C60 or Y72. See Power Teams \$ 21.06
- JL2 Brakes, Power with Front Disc—M40 required with W30 \$ 69.51
- K30 Cruise Control, Automatic—M40 required \$ 63.19
- M20 Transmission, 4-Speed Floor-Shift Wide-Ratio—Includes Hurst Shifter. See Power Teams \$195.36
- M22 Transmission, 4-Speed Floor-Shift Close-Ratio Heavy-Duty—Includes Hurst Shifter. See Power Teams \$237.60
- M40 Transmission, Turbo Hydra-matic 400—See Power Teams \$242.88
- N33 Steering Wheel, Tilt-Away \$ 45.29
- N34 Steering Wheel, Custom-Sport \$ 31.60
- N47 Steering, Vari-Ratio Power \$115.85
- N66 Wheels, Super Stock II—Cast-iron color. N.A. with N67, N99, P01, P02, or P05 \$ 73.72
- N67 Wheels, Super Stock III—Lower body color. N.A. with N66, N99, P01, P02, or P05 \$ 73.72
- P01 Wheel Discs, Chrome—N.A. with N66, N67, P02, or P05 \$ 28.33

- P02 Wheel Discs, Deluxe—N.A. with N66, N67, N99, P01, or P05 \$ 47.39
- P05 Wheels, Super Stock I—N.A. with N66, N67, P01, or P02 \$ 90.58
- PK5 Tires, G70 x 14" Blackwall Wide-Oval Bias-Ply Belted—With raised white letters \$ 26.33
- T44 Hood Lock, Interior-Operated \$ 10.53
- U21 Rocket Rallye Pac—Includes U35 \$ 84.26
- U35 Clock, Electric—Included in U21 \$ 18.96
- U57 Stereo Tape Player—Includes U80 with U63. U58 or U63 required: \$116.91; With U63 \$133.76
- U58 Radio, AM-FM Stereophonic Pushbutton—Includes U80 \$239.08
- U63 Radio, AM Pushbutton \$ 74.78
- U80 Radio Speaker, Bi-Phonic Rear—Included with U57 and U58 \$ 18.96
- V36 Bumper Guards, Protective Front and Rear—With vinyl inserts \$ 31.60
- W25 Hood, Dual-Intake Force-Air Fiberglass—Includes special paint \$157.98
- W26 Console, Sports with Hurst Dual-Gate Shifter—Includes lockable map case with lamp, and rear console lamp. M40 required. N.A. with A52 or A65 \$ 78.88
- W27 Axle Housing Cover, Aluminum Rear \$ 26.33

- W30 Performance Package—For performance enthusiasts only. Includes Rocket 455 V-8 Engine with selected parts, Force-Air Induction, special air cleaner, 4-barrel carburetor, aluminum intake manifold, Sports-Styled Mirrors (D35), G70 x 14 Wide-Oval Tires with raised white letters (PK5), dual-intake Force-Air fiberglass hood with special paint (W25), wide body-side paint stripes, "W" emblems on front fenders, lightweight body insulation, and manual front disc brakes. M20, M22, or M40 required. N.A. with Y72 or standard hood and body-side paint stripes. See Power Teams. Without Power Disc Brakes (JL2) \$389.67  
With Power Disc Brakes (JL2) \$347.56

- W35 Spoiler, Rear-Deck—Coupe \$ 73.72
- W37 Clutch, Heavy-Duty 2-Plate—M20 or M22 required \$ 99.00
- Y60 Convenience Group, Lamps and Mirrors—Includes trunk and underhood lamps; instrument-panel-control lighting; and instrument-panel ashtray, courtesy, and map lamps (std. in Convertible) for Coupe \$ 30.12  
Convertible \$ 16.43

- Y72 Engine-Cooling Equipment, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcoltron, plus transmission oil

cooler with M40. N.A. with G89, G92, or W30. N47 required: \$ 21.06; Without C60 \$ 67.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- G66 Shock Absorbers, Superlift Rear—For trailer towing. M40 required \$ 42.13
- U89 Wiring Harness, Trailer Electrical \$ 10.53

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine		Std. V-8		W30	
	Trans.	M14*	M20 M22	M40	M20 M22	M40
2.56 (G96)				A		
2.73 (G93)				A		
3.08 (G90)	A			AC		
3.23 (G91)	S	Ac	S		Ac	
3.42 (G92)	Ab	Sb	Ab	Sb	Sb	
3.73 (G89)				Ab	Ab	

\*Standard transmission.

S—Standard, A—Available, a—For trailer towing, b—Extra-cost performance axle with heavy-duty shafts when G80 is ordered, c—Standard with C60.

NOTE: Dealer-installed ratios, 4.10-, 4.66-, and 5.00-to-1, available for all power teams, except with Y72.

# Models . . . **VISTA-CRUISER** . . . Equipment

4856 2-Seat Model

4866 3-Seat Model

## STANDARD EQUIPMENT

- **Armrests**, Deluxe Front and Rear (with bright backplates)
- **Ashtrays**, Instrument-Panel and Rear-Armrest
- **Battery**, 61-Ampere-Hour/66-Plate
- **Body-Side and Tailgate Panels**, Chrome-Framed Wood-Grain-Vinyl
- **Brakes**, Power Front Disc and Rear Drum
- **Cigar Lighter**, Instrument-Panel
- **Delcotron**, 37-Ampere
- **Engine**, Rocket 350 V-8 (2-bbl. carburetor)
- **Floor Carpeting**, Wall-to-Wall Passenger-Area (plus carpeted cowl and door lower panels)
- **Frame**, Torque-Beam
- **Instrument-Panel Trim**, Wood-Grain-Vinyl
- **Lamps**, Central Dome and Tailgate Dome (with back switch only)
- **Lamp Switches**, Automatic Front-Door Interior-
- **Moldings**, Chrome Wheel-Opening
- **Moldings**, Chrome Roof Drip
- **Moldings**, Chrome Side-Window Frame
- **Radio Antenna**, Windshield
- **Seat**, Bench Front (with bright moldings)
- **Seats**, Divided Second and Forward-Facing Third (3-seat model)
- **Seat Cushions**, Foam-Padded (in all seats)
- **Seat Head Restraints**, Dual Front-
- **Seat Lap Belts**, 3 Front- and 3 Rear- (plus 2 for third seat in 3-seat model)
- **Seat Shoulder Belts**, 2 Front-
- **Steering Wheel**, Deluxe
- **Tailgate**, Drop-or-Swing

- **Tires**, H78 x 14" Blackwall Bias-Ply Belted
- **Transmission**, Fully Synchronized 3-Speed Column-Shift Manual
- **Visors**, Vista-Roof Sun
- **Wheels**, 14 x 6" Heavy-Duty
- **Wheel Hubcaps**, Chrome
- **Windows**, Crank-Operated Vent
- **Windshield Wipers**, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 **Windows**, Soft-Ray Tinted—Includes A02 ..... \$ 43.18
- A02 **Windshield**, Soft-Ray Tinted—Included in A01 ..... \$ 30.54
- A31 **Windows**, Power Side ..... \$115.85
- A33 **Window**, Power Tailgate ..... \$ 34.76
- A41 **Seat Adjuster**, 4-Way Power ..... \$ 78.99
- AA3 **Glass**, Chrome-Coated Tinted Roof ..... \$ 21.06
- AK1 **Seat Belts**, Lap Deluxe Front and Rear and Deluxe Front Shoulder—Includes third-seat belts in 3-seat model:
  - 2-seat model ..... \$ 15.80
  - 3-seat model ..... \$ 18.96
- AS4 **Seat Shoulder Belts**, Deluxe Rear—AK1 required:
  - 2-seat model—For second seat ..... \$ 26.33
  - 3-seat model—For second and third seats ..... \$ 52.66
- AU3 **Door Locks**, Power—For all doors ... \$ 70.56
- B32 **Floor Mats**, Auxiliary Front ..... \$ 7.37
- B33 **Floor Mats**, Auxiliary Rear ..... \$ 7.37
- B39 **Floor Carpeting**, Deep-Pile Cargo-Area ..... \$ 20.01
- B93 **Moldings**, Chrome Door-Edge Guard ..... \$ 9.48
- C51 **Window Air Deflector**, Rear ..... \$ 29.84
- C60 **Air Conditioner**, Four-Season—Includes heavy-duty radiator. N47 required ..... \$ 407.69

- CD3 **Windshield Washer/Wiper**, Shift-Lever-Controlled—M40 required ..... \$ 21.06
- D33 **Mirror**, Remote-Control Outside Rearview ..... \$ 12.64
- D99 **Finish**, Two-Tone Magic-Mirror ..... \$ 27.38
- G80 **Axle**, Anti-Spin Rear ..... \$ 44.23
- K30 **Cruise Control**, Automatic—M40 required ..... \$ 63.19
- L30 **Engine**, Rocket 455 V-8 (2-bbl. carburetor)—M40 required. See Power Teams ..... \$110.59
- L32 **Engine**, Rocket 455 V-8 (4-bbl. carburetor)—Includes dual exhausts. M40 required. See Power Teams ..... \$188.52
- M40 **Transmission**, Turbo Hydra-matic 400—See Power Teams ..... \$242.88
- N33 **Steering Wheel**, Tilt-Away—M40 required ..... \$ 45.29
- N34 **Steering Wheel**, Custom-Sport ..... \$ 31.90
- N47 **Steering**, Vari-Ratio Power ..... \$115.85
- P01 **Wheel Discs**, Chrome—N.A. with P02 ..... \$ 26.33
- P02 **Wheel Discs**, Deluxe—N.A. with P01 ..... \$ 47.39
- P26 **Tires**, H78 x 14" Dual-White-Stripe Bias-Ply Belted ..... \$ 35.61
- T44 **Hood Lock**, Interior-Operated ..... \$ 10.53
- U21 **Rocket Rallye Pac**—Includes U35 ..... \$ 84.28
- U35 **Clock**, Electric—Included in U21 ..... \$ 18.96
- U57 **Stereo Tape Player**—Includes U80 with U63. U58 or U63 required:
  - With U58 ..... \$116.91; With U63 ..... \$133.76
- U58 **Radio**, AM-FM Stereophonic Pushbutton—Includes U80 ..... \$239.08
- U63 **Radio**, AM Pushbutton ..... \$ 74.78
- U80 **Radio Speaker**, Bi-Phonic Rear—Included with U57 and U58 ..... \$ 18.96
- V36 **Bumper Guards**, Protective Front—With vinyl inserts ..... \$ 15.80

- V55 **Luggage Carrier**, Chrome Rooftop ..... \$ 63.19
- V58 **Lock and Trim**, Rear Storage Compartment ..... \$ 12.64
- W27 **Axle Housing Cover**, Aluminum Rear ..... \$ 26.33
- Y60 **Convenience Group**, Lamps and Mirrors—Includes underhood lamp; instrument-panel ashtray, courtesy, glove compartment and maplamps; rear-door interior-lamp switches; instrument-panel-control lighting; visor vanity mirror; and rearview mirror with map lamp ..... \$ 34.76
- Y72 **Engine-Cooling Equipment**, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M40. N47 required:
  - With C60 ..... \$ 21.06; Without C60 ..... \$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 **Suspension System**, Heavy-Duty—For strenuous service; trailer towing, continuous heavy trunk loads, and when most driving is on secondary and rural roads. Includes heavy-duty front and rear springs and front stabilizer bar, and FG2 shock absorbers. G66 shock absorbers available ..... \$ 21.06
- FG2 **Shock Absorbers**, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41 ..... \$ 5.27
- G66 **Shock Absorbers**, Superlift Rear—For trailer towing. N.A. with FG2 ..... \$ 42.13
- U89 **Wiring Harness**, Trailer Electrical ..... \$ 10.53

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine	Std. V-8		L30	L32
	Trans.	Std.	M40	M40	M40
2.56 (G96)				S	S
2.73 (G93)				A	A
3.08 (G90)		S	Aa		Aa
3.23 (G91)	S	A			

S—Standard, A—Available, a—For trailer towing.

# Models . . . DELTA 88 . . . Equipment

5469 Town Sedan

5439 Hardtop Sedan

5457 Hardtop Coupe

## STANDARD EQUIPMENT

- Armrests, Front and Rear
- Ashtrays, Dual Instrument-Panel and Rear-Armrest
- Battery, 61-Ampere-Hour/66-Plate (with standard V-8 engine)
- Brakes, Power Front Disc and Rear Drum
- Cigar Lighter, Instrument-Panel
- Delcotron, 42-Ampere
- Engine, Rocket 350 V-8 (2-bbl. carburetor)
- Floor Carpeting, Wall-to-Wall
- Frame, Torque-Beam
- Hood Lock, Interior-Operated
- Instrument-Panel Trim, Wood-Grain-Vinyl
- Lamp, Dome
- Lamp, Instrument-Panel Ashtray
- Lamp Switches, Automatic Front-Door Interior
- Lamp Switches, Automatic Rear-Door Interior (Hardtop Sedan)
- Moldings, Chrome Hood Center, Rocker Panel, and Wheel-Opening

- Moldings, Chrome Roof Drip
- Radio Antenna, Windshield
- Seat, Full-Foam Bench Front
- Seat Cushion, Foam-Padded Rear
- Seat Head Restraints, Dual Front
- Seat Lap Belts, 3 Front- and 3 Rear
- Seat Shoulder Belts, 2 Front
- Steering, Vari-Ratio Power
- Steering Wheel, Deluxe
- Tires, H78 x 15" Blackwall Bias-Ply Belted
- Transmission, Fully Synchronized 3-Speed Column-Shift Manual (with std. V-8 only)
- Ventilation, Flo-Thru Body
- Wheels, 15 x 6"
- Wheel Discs, Chrome
- Windshield Wipers, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02 \$ 50.66
- A02 Windshield, Soft-Ray Tinted—Included in A01 \$ 35.81
- A31 Windows, Power Side \$ 132.70
- A42 Seat Adjuster, 6-Way Power \$ 105.32
- A90 Trunk-Lid Latch, Power \$ 14.74
- AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder \$ 15.80

- A54 Seat Shoulder Belts, Deluxe Rear—AK1 required \$ 29.33
- AU3 Door Locks, Power—For all doors. Included in AU5: Coupe \$ 47.39 Sedans \$ 70.56
- AU5 Door Locks with Front-Seat-Backrest Lock Releases, Power—Includes AU3. Coupe \$ 70.56
- B32 Floor Mats, Auxiliary Front \$ 8.43
- B33 Floor Mats, Auxiliary Rear \$ 7.37
- B36 Floor Mat, Heavy-Duty Rubber Trunk \$ 7.90
- B84 Moldings, Protective Side—With black-vinyl inserts \$ 40.02
- B85 Moldings, Chrome Side-Window Sill—Included in C08 on Town Sedan \$ 21.06
- B90 Moldings, Chrome Side-Window Frame—Town Sedan \$ 24.22
- B93 Moldings, Chrome Door-Edge Guard: Coupe \$ 6.32 Sedans \$ 9.48

- C08 Rooftop Covering, Vinyl—Includes B85 on Town Sedan. Sedans and Coupe \$ 126.38
- C49 Window Defogger, Electric Rear—Includes K31 \$ 63.19
- C60 Air Conditioner, Four-Season—Includes heavy-duty radiator. M38 or M40 required \$ 442.34
- C61 Air Conditioner, Comfortron—Includes C60 and automatic comfort control. M38 or M40 required \$ 521.33
- CD3 Windshield Washer/Wiper, Shift-Lever-Controlled. M40 required \$ 21.06
- D33 Mirror, Remote-Control Outside Rearview \$ 12.64
- D99 Finish, Two-Tone Magic-Mirror \$ 44.23
- G80 Axle, Anti-Spin Rear—M38 or M40 required. \$ 49.50
- K30 Cruise Control, Automatic. M38 or M40 required \$ 68.46
- L30 Engine, Rocket 455 V-8 (2-bbl. carburetor)—M40 required. See Power Teams \$ 121.12
- L31 Engine, Rocket 455 V-8 (4-bbl. carburetor)—M40 required. See Power Teams \$ 168.51
- M38 Transmission, Turbo Hydra-matic 350—Std. engine required. See Power Teams \$ 221.76
- M40 Transmission, Turbo Hydra-matic 400. L30 or L31 required. See Power Teams \$ 242.88
- N10 Exhaust System, Dual—L31 and M40 required \$ 30.23

- N33 Steering Wheel, Tilt-Away—M38 or M40 required \$ 45.29
- P03 Wheel Discs Deluxe—N.A. with P05 \$ 31.60
- P05 Wheels, Super Stock IV—N.A. with J55, N99, or P03 \$ 101.11
- P26 Tires, H78 x 15" Dual-White-Stripe Bias-Ply Belted \$ 35.81
- T81 Headlamp Off-Delay Control, Night-Watch \$ 12.64
- T87 Lamps, Cornering—M38 or M40 required \$ 36.86
- U35 Clock, Electric \$ 18.86
- U41 Indicator, Low-Fuel \$ 5.48
- U58 Radio, AM-FM Stereophonic Pushbutton—Includes 4 speakers \$ 239.08
- U63 Radio, AM Pushbutton \$ 87.42
- U80 Radio Speaker, Bi-Phonic Rear—N.A. with U58, UM1, or UM2 \$ 18.86
- U87 Speedometer Package—Includes Safety Sentinel and Trip Odometer. N.A. with U11. M38 or M40 required \$ 15.80

- UM1 Radio, AM Pushbutton with Stereo Tape Player—Includes 4 speakers \$ 221.17
- UM2 Radio, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers \$ 372.83
- V36 Bumper Guards, Protective Front and Rear—With vinyl inserts \$ 47.39
- Y60 Convenience Group, Lamps and Mirrors—Includes underhood and trunk lamps; instrument-panel courtesy, glove compartment, and map lamps; roof rear-quarter lamps for Hardtop Sedan and Coupe; rear-door automatic interior-lamp switches for Hardtop Sedan; and visor vanity mirror: Town Sedan \$ 28.81 Hardtop Sedan \$ 32.85 Coupe \$ 26.33
- Y72 Engine-Cooling Equipment, Heavy-Duty—For trailer towing. Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M38 or M40. M38 or M40 required: With C60 or C61 \$ 21.06 Without C60 or C61 \$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 Suspension System, Heavy-Duty—For strenuous service: trailer towing, police city cruiser service, continuous heavy trunk loads, and where most driving is on secondary and rural roads. Includes heavy-duty front and rear springs, and FG2 shock absorbers. G66 shock absorbers available. M38 or M40, and N99 required \$ 21.06

- FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66. M38 or M40 required \$ 5.27
- G66 Shock Absorbers, Superlift Rear—For trailer towing. N99 required. N.A. with FG2. M38 or M40 required \$ 42.13
- N99 Wheels, Heavy-Duty 15 x 6"—For trailer towing. Included in J55 \$ 10.53
- U89 Wiring Harness, Trailer Electrical—N99 required \$ 10.53

## POLICE AND SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- †A74 Seats, Heavy-Duty Front and Rear—Sedans \$ 15.27
- †B01 Floor Covering, Heavy-Duty Black-Vinyl Front and Rear—Town Sedan \$ 10.53
- J55 Brakes, Heavy-Duty Power with Front Disc—Single piston front disc brakes with heavy-

duty non-lading linings; 12.00 x 2 1/4" heavy-duty duo-servo rear brakes; power brake application. Includes N99, G94 (2.93 Axle) and M38 or M40 required \$ 28.44

- K81 Delcotron, Heavy-Duty—60-ampere/hour alternator with solid state transistorized regulator; 19-ampere/hour at idle. Included in C49. M38 or M40 required \$ 21.06

- †U11 Speedometer, Certified Police—Calibrated in increments of 2 mph from 0 to 120 mph and accurate within plus or minus 2 percent throughout speed range. N.A. with U87. M38 or M40 required \$ 3.16

- †U90 Wiring Harness, Roof-Flasher—Roof flasher not included. Sedans \$ 16.85

†For police usage only.

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine	Std.	L30	L31
	Trans.	Std.	M38	M40
2.56 (G96)			S	
2.73 (G93)			A	S
2.93 (G94)		Ab	Ab	Aa
3.08 (G90)	S	Sa	Aa	

S—Standard. A—Available. a—For performance or trailer towing. b—Available with G80 only.



# Models . . . **DELTA 88 CUSTOM** . . . Equipment

6469 Town Sedan

6439 Hardtop Sedan

6457 Hardtop Coupe

## STANDARD EQUIPMENT

- **Armrests**, Deluxe Front and Rear (with bright accent moldings and backplates)
- **Ashtrays**, Dual Instrument-Panel and Rear-Armrest
- **Battery**, 73-Ampere-Hour/78-Plate (with standard V-8 engine)
- **Brakes**, Power Front Disc and Rear Drum
- **Cigar Lighter**, Instrument-Panel
- **Delcotron**, 42-Ampere
- **Engine**, Rocket 455 V-8 (2-bbl. carburetor)
- **Floor Carpeting**, Wall-to-Wall (plus carpeted cowl and door lower panels)
- **Frame**, Torque-Beam
- **Hood Lock**, Interior-Operated
- **Instrument-Panel Trim**, Wood-Grain-Vinyl
- **Lamp**, Dome (Town Sedan)
- **Lamps**, Instrument-Panel Ashtray, Courtesy, and Map

- **Lamps**, Roof Rear-Quarter (Hardtop models)
- **Lamp Switches at all Doors**, Automatic Interior-
- **Moldings**, Chrome Hood Center, Rocker Panel, and Wheel-Opening
- **Moldings**, Chrome Roof Drip
- **Moldings**, Chrome Side-Window Frame (Town Sedan)
- **Radio Antenna**, Windshield
- **Seat**, Full-Foam Bench Front (with bright moldings—Town Sedan)
- **Seat**, Full-Foam Custom Bench Front (with center armrest and bright moldings—Hardtop models)
- **Seat Cushion**, Foam-Padded Rear-
- **Seat Head Restraints**, Dual Front-
- **Seat Lap Belts**, 3 Front- and 3 Rear-
- **Seat Shoulder Belts**, 2 Front-
- **Steering**, Vari-Ratio Power
- **Steering Wheel**, Deluxe
- **Tires**, H78 x 15" Blackwall Bias-Ply Belted
- **Transmission**, Fully Synchronized 3-Speed Column-Shift Manual
- **Ventilation**, Flo-Thru Body

- **Wheels**, 15 x 6"
- **Wheel Discs**, Chrome
- **Window Shelf Covering**, Woven-Fiber Rear-
- **Windshield Wipers**, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 **Windows**, Soft-Ray Tinted—Includes A02 ..... \$ 60.55
- A02 **Windshield**, Soft-Ray Tinted—Included in A01 ..... \$ 35.81
- A31 **Windows**, Power Side ..... \$132.70
- A42 **Seat Adjuster**, 6-Way Power ..... \$105.32
- A90 **Trunk-Lid Latch**, Power ..... \$ 14.74
- AK1 **Seat Belts**, Lap Deluxe Front and Rear and Deluxe Front Shoulder ..... \$ 15.80
- A54 **Seat Shoulder Belts**, Deluxe Rear—AK1 required ..... \$ 26.33

- AU3 **Door Locks**, Power—For all doors. Included in AU5: Coupe ..... \$47.39; Sedans ..... \$ 70.56
- AU5 **Door Locks with Front-Seat-Backrest Lock Releases**, Power—Includes AU3. Coupe ..... \$ 70.56
- B32 **Floor Mats**, Auxiliary Front ..... \$ 8.43
- B33 **Floor Mats**, Auxiliary Rear ..... \$ 7.37
- B36 **Floor Mat**, Trunk Heavy-Duty Rubber \$ 7.90
- B84 **Moldings**, Protective Side—With black-vinyl inserts ..... \$ 40.02
- B85 **Moldings**, Chrome Side-Window Sill—Included in C08 on Town Sedan ..... \$ 21.06
- B93 **Moldings**, Chrome Door-Edge Guard: Coupe ..... \$6.32; Sedans ..... \$ 9.48
- C08 **Rooftop Covering**, Vinyl—Includes B85 on Town Sedan ..... \$126.38
- C49 **Window Defogger**, Electric Rear—Includes K81 ..... \$ 63.19
- C60 **Air Conditioner**, Four-Season—Includes heavy-duty radiator. M40 required \$442.34
- C61 **Air Conditioner**, Comfortron—Includes C60 and automatic comfort control. M40 required. \$521.33
- CD3 **Windshield Washer/Wiper**, Shift-Lever-Controlled. M40 required ..... \$ 21.05
- D33 **Mirror**, Remote-Control Outside Rearview ..... \$ 12.64

- D99 **Finish**, Two-Tone Magic-Mirror ..... \$ 44.23
- G80 **Axle**, Anti-Spin Rear. M40 required ..... \$ 49.50
- K30 **Cruise Control**, Automatic. M40 required ..... \$ 68.46
- L31 **Engine**, Rocket 455 V-8 (4-bbl. carburetor)—M40 required. See Power Teams ..... \$ 47.39
- M40 **Transmission**, Turbo Hydra-matic 400—required with L31. See Power Teams ..... \$242.88
- N10 **Exhaust System**, Dual—L31 and M40 required ..... \$ 39.23
- N33 **Steering Wheel**, Tilt-Away—M40 required ..... \$ 45.29
- P03 **Wheel Discs**, Deluxe—N.A. with P05 ..... \$ 31.60
- P05 **Wheels**, Super Stock IV—N.A. with J55, N99 or P03 ..... \$101.11
- P26 **Tires**, H78 x 15" Dual-White-Stripe Bias-Ply Belted ..... \$ 35.81
- T81 **Headlamp Off-Delay Control**, Night-Watch ..... \$ 12.64

- T87 **Lamps**, Cornering—M40 required ..... \$ 26.95
- U35 **Clock**, Electric ..... \$ 18.96
- U41 **Indicator**, Low-Fuel ..... \$ 9.48
- U58 **Radio**, AM-FM Stereophonic Pushbutton—Includes 4 speakers ..... \$239.08
- U63 **Radio**, AM Pushbutton ..... \$ 87.42
- U80 **Radio Speaker**, Bi-Phonic Rear—N.A. with U58, UM1, or UM2 ..... \$ 18.96
- U87 **Speedometer Package**—Includes Safety Sentinel and Trip Odometer—N.A. with U11. M40 required ..... \$ 15.80
- UM1 **Radio**, AM Pushbutton with Stereo Tape Player—Includes 4 speakers ..... \$221.17
- UM2 **Radio**, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers ..... \$372.83
- V36 **Bumper Guards**, Protective Front and Rear—With vinyl inserts ..... \$ 47.39
- Y60 **Convenience Group**, Lamps and Mirrors—Includes trunk, underhood, and glove compartment lamps, and visor vanity mirror ..... \$ 11.59
- Y72 **Engine-Cooling Equipment**, Heavy-Duty—For trailer towing. Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 35-ampere Delcotron, plus transmission oil cooler with M40. M40 required: With C60 or C61 ..... \$ 21.08 Without C60 or C61 ..... \$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 **Suspension System**, Heavy-Duty—For strenuous service: trailer towing, police city cruiser service, continuous heavy trunk loads, and where most driving is on secondary and rural roads. Includes heavy-duty front and rear springs, and FG2 shock absorbers. G66 shock absorbers available. M40 and N99 required ..... \$ 21.06
- FG2 **Shock Absorbers**, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66. M40 required ..... \$ 5.27
- G66 **Shock Absorbers**, Superlift Rear—For trailer towing. N99 required. N.A. with FG2. M40 required ..... \$ 42.13
- N99 **Wheels**, Heavy-Duty 15 x 6"—For trailer towing. Included in J55 ..... \$ 10.53
- U89 **Wiring Harness**, Trailer Electrical—N99 required ..... \$ 10.53

## POLICE AND SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- †BG1 **Floor Covering**, Heavy-Duty Black-Vinyl Front and Rear—Town Sedan ..... \$ 10.53

- J55 **Brakes**, Heavy-Duty Power with Front Disc—Single piston front disc brakes with heavy-duty non-fading linings; 12.00 x 2½" heavy-duty duo-servo rear brakes; power brake application. Includes N99. G94 (2.93 Axle) and M40 required ..... \$ 28.44
- K81 **Delcotron**, Heavy-Duty—60-ampere/hour alternator with solid state transistorized regulator; 19-ampere/hour at idle. Included in C49. M40 required ..... \$ 21.06
- †U11 **Speedometer**, Certified Police—Calibrated in increments of 2 mph from 0 to 120 mph and accurate within plus or minus 2 percent throughout speed range. N.A. with U87. M40 required ..... \$ 3.16
- †U90 **Wiring Harness**, Roof-Flasher—Roof flasher not included. Sedans ..... \$ 18.95
- †† For police usage only.

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine	Std.		L31	
	Trans.	Std.	M40	M40	M40
2.56 (G96)			S		
2.73 (G93)			A	S	
2.93 (G94)			Ab	Aa	
3.08 (G90)		S	Aa		

S—Standard, A—Available, a—For performance or trailer towing, b—Available with G80 only.

# Models . . . **DELTA 88 ROYALE** . . . Equipment

6647 Hardtop Coupe

6667 Convertible

## STANDARD EQUIPMENT

- **Armrests**, Deluxe Front and Rear (with bright accent moldings and backplates)
- **Ashtrays**, Dual Instrument-Panel and Rear-Armrest
- **Battery**, 73-Ampere-Hour/78-Plate
- **Brakes**, Power Front Disc and Rear Drum
- **Cigar Lighter**, Instrument-Panel
- **Clock**, Electric Instrument-Panel
- **Delcotron**, 42-Ampere
- **Engine**, Rocket 455 V-8 (2-bbl. carburetor)
- **Floor Carpeting**, Wall-to-Wall (plus carpeted cowl, door, and front-seat-back lower panels)
- **Frame**, Torque-Beam
- **Hood Lock**, Interior-Operated
- **Instrument-Panel Trim**, Wood-Grain-Vinyl
- **Lamps**, Door Courtesy and Open-Door Warning

- **Lamps**, Instrument-Panel Ashtray, Courtesy Glove Compartment, and Map
- **Lamps**, Rear-Armrest Courtesy (Convertible)
- **Lamps**, Roof Rear-Quarter (Coupe)
- **Lamp Switches**, Automatic Interior
- **Louver Grilles**, Chrome Rear-Fender
- **Moldings**, Chrome Hood Center, Rocker Panel and Wheel-Opening
- **Moldings**, Chrome Roof Drip (Coupe)
- **Moldings**, Chrome Side-Window Sill
- **Paint Stripes**, Body-Side
- **Radio Antenna**, Windshield
- **Rooftop Covering**, Vinyl (Coupe)
- **Seat**, Full-Foam Custom Bench Front (with center armrest and bright moldings)
- **Seat Cushion**, Foam-Padded Rear
- **Seat Head Restraints**, Dual Front
- **Seat Lap Belts**, 3 Front- and 3 Rear
- **Seat Shoulder Belts**, 2 Front
- **Steering**, Vari-Ratio Power
- **Steering Wheel**, Deluxe

- **Tires**, H78 x 15" Blackwall Bias-Ply Belted
- **Top**, Power (Convertible)
- **Transmission**, Fully Synchronized 3-Speed Column-Shift Manual
- **Ventilation**, Flo-Thru Body
- **Wheels**, 15 x 6"
- **Wheel Discs**, Chrome
- **Window Shelf Covering**, Woven-Fiber Rear (Coupe)
- **Windshield Wipers**, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 **Windows**, Soft-Ray Tinted—Includes A02 ..... \$ 50.55
- A02 **Windshield**, Soft-Ray Tinted—Included in A01 ..... \$ 35.81
- A31 **Windows**, Power Side ..... \$ 132.70
- A39 **Seat Belts**, Lap Deluxe Front- and Rear—Included in AK1. Convertible ..... \$ 12.64
- A42 **Seat Adjuster**, 6-Way Power Bench ..... \$105.32
- A90 **Trunk-Lid Latch**, Power ..... \$ 14.74
- AK1 **Seat Belts**, Lap Deluxe Front and Rear and Deluxe Front Shoulder: ..... \$ 15.80  
Coupe ..... \$ 38.97  
Convertible
- AS4 **Seat Shoulder Belts**, Deluxe Rear—A39 or AK1 required ..... \$ 26.33
- AU3 **Door Locks**, Power—Included in AU5 ..... \$ 47.39
- AU5 **Door Locks with Front-Seat-Backrest Lock Releases**, Power—Includes AU3 ..... \$ 70.56
- B32 **Floor Mats**, Auxiliary Front ..... \$ 8.43
- B33 **Floor Mats**, Auxiliary Rear ..... \$ 7.37
- B36 **Floor Mat**, Trunk Heavy-Duty Rubber ..... \$ 7.90
- B84 **Moldings**, Protective Side—With black-vinyl inserts ..... \$ 40.02
- B93 **Moldings**, Chrome Door-Edge Guard ..... \$ 6.32
- C49 **Window Defogger**, Electric Rear—Includes K81 ..... \$ 63.19
- C60 **Air Conditioner**, Four-Season—Includes heavy-duty radiator. M40 required ..... \$ 442.34
- C61 **Air Conditioner**, Comforton—Includes C60 and automatic comfort control. M40 required ..... \$ 521.33
- CD3 **Windshield Washer/Wiper**, Shift-Lever-Controlled. M40 required ..... \$ 21.06

- D33 **Mirror**, Remote-Control Outside Rearview ..... \$ 12.64
- G80 **Axle**, Anti-Spin Rear—M40 required ..... \$ 49.50
- K30 **Cruise Control**, Automatic—M40 required ..... \$ 68.46
- L31 **Engine**, Rocket 455 V-8 (4-bbl. carburetor)—M40 required. See Power Teams. ..... \$ 47.39
- M40 **Transmission**, Turbo Hydra-matic 400—required with L31. See Power Teams. ..... \$242.88
- N10 **Exhaust System**, Dual—L31 and M40 required ..... \$ 30.23
- N33 **Steering Wheel**, Tilt-Away—M40 required ..... \$ 45.29
- P03 **Wheel Discs**, Deluxe—N.A. with P05 ..... \$ 31.60
- P05 **Wheels**, Super Stock IV—N.A. with J55, N99, or P03 ..... \$101.11
- P26 **Tires**, H78 x 15" Dual-White-Stripe Bias-Ply Belted ..... \$ 35.81
- T81 **Headlamp Off-Delay Control**, Night-Watch ..... \$ 12.64

- T87 **Lamps**, Cornering—M40 required ..... \$ 35.86
- U41 **Indicator**, Low-Fuel ..... \$ 9.48
- U58 **Radio**, AM-FM Stereophonic Pushbutton—Includes 4 speakers ..... \$239.08
- U63 **Radio**, AM Pushbutton ..... \$ 87.42
- U80 **Radio Speaker**, Bi-Phonic Rear—N.A. with U58, UM1, or UM2 ..... \$ 18.96
- UB7 **Speedometer Package**—Includes Safety Sentinel and Trip Odometer—N.A. with U11. M40 required ..... \$ 15.80
- UM1 **Radio**, AM Pushbutton with Stereo Tape Player—Includes 4 speakers ..... \$221.17
- UM2 **Radio**, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers ..... \$372.83
- V36 **Bumper Guards**, Protective Front and Rear—With vinyl inserts ..... \$ 47.39
- Y60 **Convenience Group**, Lamps and Mirrors—Includes trunk and underhood lamps, and visor vanity mirror ..... \$ 8.64
- Y72 **Engine-Cooling Equipment**, Heavy-Duty—For trailer towing. Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M40. M40 required: ..... \$ 21.06  
With C60 or C61 ..... \$ 57.93  
Without C60 or C61

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 **Suspension System**, Heavy-Duty—For strenuous service: trailer towing, police city cruiser service, continuous heavy trunk loads, and where most driving is on secondary and rural roads. Includes heavy-duty front and rear springs, and FG2 shock absorbers. G66 shock absorbers available. M40 and N99 required ..... \$ 21.06
- FG2 **Shock Absorbers**, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66. M40 required ..... \$ 5.27
- G66 **Shock Absorbers**, Superlift Rear—For trailer towing. N99 required. N.A. with FG2. M40 required ..... \$ 42.13
- N99 **Wheels**, Heavy-Duty 15 x 6"—For trailer towing. Included in J55 ..... \$ 10.53
- U89 **Wiring Harness**, Trailer Electrical—N99 required ..... \$ 10.53

## POLICE AND SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- J55 **Brakes**, Heavy-Duty Power with Front Disc—Single piston front disc brakes with heavy-duty non-fading linings; 12.00 x 2½" heavy-duty duo-servo rear brakes; power brake application. Includes N99. G94 (2.93 Axle) and M40 required ..... \$ 28.44
- K81 **Delcotron**, Heavy-Duty—60-ampere/hour alternator with solid state transistorized regulator; 19-ampere/hour at idle. Included in C49. M40 required ..... \$ 21.06
- †U11 **Speedometer**, Certified Police—Calibrated in increments of 2 mph from 0 to 120 mph and accurate within plus or minus 2 percent throughout speed range. N.A. with U87. M40 required ..... \$ 3.16

† For police usage only.

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine		Std.		L31
	Trans.		Std.	M40	
2.56 (G96)			S		
2.73 (G93)			A		S
2.93 (G94)			Aa		Aa
3.08 (G90)			S	Aa	

S—Standard. A—Available. a—for performance or trailer towing. b—Available with G80 only.

# Models . . . CUSTOM CRUISER . . . Equipment

6835 2-Seat Model

6845 3-Seat Model

## STANDARD EQUIPMENT

- **Armrests**, Deluxe Front and Rear (with bright backplates)
- **Ashtrays**, Dual Instrument-Panel and Rear-Armrest
- **Battery**, 73-Ampere-Hour/78-Plate (with standard V-8 engine)
- **Body-Side and Tailgate Panels**, Chrome-Framed Wood-Grain-Vinyl
- **Brakes**, Power Front Disc and Rear Drum
- **Cigar Lighter**, Instrument-Panel
- **Delcotron**, 42-Ampere
- **Engine**, Rocket 455 V-8 (2-bbl. carburetor)
- **Floor Carpeting**, Wall-to-Wall Passenger-Area (plus carpeted cowl and door lower panels)
- **Frame**, Torque-Beam

- **Steering**, Vari-Ratio Power
- **Steering Wheel**, Deluxe
- **Tailgate**, Retractable Glide-Away
- **Tires**, L78 x 15" Blackwall Bias-Ply Belted
- **Transmission**, Fully Synchronized 3-Speed Column-Shift Manual
- **Ventilation**, Flo-Thru Body
- **Wheels**, 15 x 6" Heavy-Duty
- **Wheel Discs**, Chrome
- **Wheel-Opening Covers**, Rear-
- **Windshield Wipers**, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

A01 Windows, Soft-Ray Tinted—Includes A02  
\$ 50.55

- **Hood Lock**, Interior-Operated
- **Instrument-Panel Trim**, Wood-Grain-Vinyl
- **Lamp**, Central Dome
- **Lamps**, Instrument-Panel Courtesy and Map
- **Lamp Switches at all Doors**, Automatic Interior-
- **Moldings**, Chrome Hood Center and Wheel-Opening
- **Moldings**, Chrome Roof Drip
- **Moldings**, Chrome Side-Window Frame
- **Radio Antenna**, Windshield
- **Seat**, Full-Foam Bench Front (with bright moldings)
- **Seats**, Divided Second and Forward-Facing Third (3-seat model)
- **Seat Cushions**, Foam-Padded (in all seats)
- **Seat Head Restraints**, Dual Front-
- **Seat Lap Belts**, 3 Front- and 3 Rear- (plus 2 for third seat in 3-seat model)
- **Seat Shoulder Belts**, 2 Front-

A02 Windshield, Soft-Ray Tinted—Included in A01  
\$ 35.81

A31 Windows, Power Side.....\$132.70

A42 Seat Adjuster, 6-Way Power Bench.....\$105.32

AK1 Seat Belts, Lap Deluxe Front and Rear and Deluxe Front Shoulder—Includes third-seat belts in 3-seat model:  
2-seat model.....\$ 15.80  
3-seat model.....\$ 18.96

A54 Seat Shoulder Belts, Deluxe Rear—AK1 required:  
2-seat model—For second seat.....\$ 26.33  
3-seat model—For second and third seats.....\$ 52.66

AU3 Door Locks, Power—For all doors.....\$ 70.56

B32 Floor Mats, Auxiliary Front.....\$ 8.43

B33 Floor Mats, Auxiliary Rear.....\$ 7.37

B39 Floor Carpeting, Deep-Pile Cargo-Area.....\$ 52.66

B93 Moldings, Chrome Door-Edge Guard.....\$ 9.48

C08 Rooftop Covering, Vinyl.....\$142.18

C26 Tailgate, Power-Operated Glide-Away.....\$ 42.13

C49 Window Defogger, Electric Rear...\$ 63.19

C60 Air Conditioner, Four-Season—Includes heavy-duty radiator. M40 required\$442.34

C61 Air Conditioner, Comfortron—Includes C60 and automatic comfort control. M40 required.....\$521.33

CD3 Windshield Washer/Wiper, Shift-Lever-Controlled. M40 required.....\$ 21.06

D33 Mirror, Remote-Control Outside Rearview.....\$ 12.64

D99 Finish, Two-Tone Magic-Mirror.....\$ 31.60

G80 Axle, Anti-Spin Rear—M40 required.....\$ 49.50

K30 Cruise Control, Automatic—M40 required.....\$ 68.46

L31 Engine, Rocket 455 V-8 (4-bbl. carburetor)—M40 required. See Power Teams.....\$ 47.39

M40 Transmission, Turbo Hydra-matic 400—required with L31. See Power Teams.\$242.88

N33 Steering Wheel, Tilt-Away—M40 required.....\$ 45.29

P03 Wheel Discs, Deluxe.....\$ 31.60

P26 Tires, L78 x 15" Dual-White-Stripe Bias-Ply Belted.....\$ 42.13

T81 Headlamp Off-Delay Control, Night-Watch.....\$ 12.64

T87 Lamps, Cornering—M40 required...\$ 36.86

U35 Clock, Electric.....\$ 18.96

U41 Indicator, Low-Fuel.....\$ 9.48

U58 Radio, AM-FM Stereophonic Pushbutton—Includes 4 speakers.....\$239.08

U63 Radio, AM Pushbutton.....\$ 67.42

U80 Radio Speaker, Bi-Phonic Rear—N.A. with U58, UM1, or UM2.....\$ 18.96

U87 Speedometer Package—Includes Safety Sentinel and Trip Odometer—N.A. with U11. M40 required.....\$ 15.80

UM1 Radio, AM Pushbutton with Stereo Tape Player—Includes 4 speakers.....\$221.17

UM2 Radio, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers.....\$372.83

V36 Bumper Guards, Protective Front (and Rear Bumper)—With vinyl inserts.....\$ 47.39

V55 Luggage Carrier, Chrome Rooftop.....\$ 84.26

V56 Lock and Trim, Rear Storage Compartment.....\$ 15.80

Y60 Convenience Group, Lamps and Mirrors—Includes underhood and glove compartment lamps; and visor vanity mirror.....\$ 9.90

Y72 Engine-Cooling Equipment, Heavy-Duty—For trailer towing. Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, and 55-ampere Delcotron, plus transmission oil cooler with M40. M40 required:  
With C60 or C61.....\$ 21.06  
Without C60 or C61.....\$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

F41 Suspension System, Heavy-Duty—For strenuous service; trailer towing, continuous heavy loads, and when most driving is on secondary and rural roads. Includes heavy-duty front and rear springs, and FG2 shock absorbers. G66 shock absorbers available. M40 required.....\$ 21.06

FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66. M40 required.....\$ 5.27

G66 Shock Absorbers, Superlift Rear—For trailer towing. N.A. with FG2. M40 required.....\$ 42.13

U89 Wiring Harness, Trailer Electrical...\$ 16.53

## POLICE AND SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

K81 Delcotron, Heavy-Duty—60-ampere/hour alternator with solid state transistorized regulator; 19-ampere/hour at idle. N.A. with C49. M40 required.....\$ 21.06

†U11 Speedometer, Certified Police—Calibrated in increments of 2 mph from 0 to 120 mph and accurate within plus or minus 2 percent throughout speed range. N.A. with U87. M40 required.....\$ 3.16

†U90 Wiring Harness, Roof-Flasher—Roof flasher not included.....\$ 16.85  
†For police usage only.

## FACTORY-INSTALLED POWER TEAMS

Axle Ratio	Engine	Std.		L31
	Trans.	Std.	M40	M40
2.93 (G34)		S	S	S
3.42 (G32)			Aa	Aa

S—Standard, A—Available, a—Recommended for trailer towing. Y72 required.

# Models . . . **NINETY-EIGHT** . . . Equipment

8437 Coupe  
8439 Sedan

8637 Luxury Coupe  
8639 Luxury Sedan

## STANDARD EQUIPMENT

- **Armrest, Front-Seat Center**
- **Armrest, Rear-Seat Center** (Luxury Sedans)
- **Armrests, Deluxe Front- and Rear-** (with bright accent moldings and backplates—except Luxury models)
- **Armrests with Chrome Ashtrays and Lighters,** Deluxe Integral Rear-Quarter (Coupes)
- **Armrests with Chrome Power Controls,** Deluxe Integral Front (Luxury models)
- **Ashtrays, Dual Instrument-Panel and Rear-Armrest**
- **Battery, 74-Ampere-Hour/90-Plate**
- **Brakes, Power Front Disc and Rear Drum**
- **Cigar Lighters, Instrument-Panel and Rear-Armrest**
- **Clock, Electric Instrument-Panel**
- **Clock, Electric Rear Compartment** (Luxury Sedan with standard front seat)

- **Delcotron, 42-Ampere**
- **Engine, Rocket 455 V-8** (4-bbl. carburetor)
- **Floor Carpeting, Wall-to-Wall** (plus carpeted cowl, door, and front-seat-back lower panels)
- **Frame, Torque-Beam**
- **Hood Lock, Interior-Operated**
- **Instrument-Panel Trim, Wood-Grain-Vinyl**
- **Lamps, Instrument-Panel Ashtray, Courtesy, Glove Compartment, and Map**
- **Lamps, Roof Rear-Quarter**
- **Lamp Switches at All Doors, Automatic Interior-**
- **Mirror, Remote-Control Outside Rearview**
- **Moldings, Chrome Hood Center, Rocker Panel, and Wheel-Opening**
- **Moldings, Chrome Front-Fender-Peak**
- **Moldings, Chrome Roof Drip**
- **Moldings, Chrome Side-Window Sill**
- **Pedals, Chrome-Accented**
- **Radio Antenna, Windshield**
- **Reflectors, Open-Door Warning** (Luxury models)
- **Seat, Full-Foam Armrest Bench Front** (with bright moldings—Sedans)

- **Seat, Full-Foam Custom Bench Front** (with bright moldings—Coupes)
- **Seat Adjuster, 2-Way Power Driver's** (Luxury models)
- **Seat Cushion, Foam-Padded Rear-**
- **Seat Head Restraints, Dual Front-**
- **Seat Lap Belts, 3 Front and 3 Rear Deluxe**
- **Seat Shoulder Belts, 2 Front Deluxe**
- **Steering, Vari-Ratio Power**
- **Steering Wheel, Deluxe**
- **Tires, J78 x 15" Blackwall Bias-Ply Belted**
- **Tire Cover, Spare** (Luxury Sedans)
- **Transmission, Turbo Hydra-matic 400 Column-Shift**
- **Ventilation, Flo-Thru Body**
- **Wheels, 15 x 6"**
- **Wheel Discs, Chrome**
- **Wheel-Opening Covers, Rear-**

- **Windows, Power Side** (Luxury models)
- **Window Shelf Covering, Woven-Fiber Rear-**
- **Windshield Wipers, Recessed-Park**

## FACTORY-INSTALLED EQUIPMENT

- A01 Windows, Soft-Ray Tinted—Includes A02** ..... \$ 50.55
- A02 Windshield, Soft-Ray Tinted—Included in A01** ..... \$ 35.81
- A31 Windows, Power Side—Includes deluxe integral front armrests with power controls. Except Luxury models.** ..... \$132.70
- A42 Seat Adjuster, 6-Way Power Bench—N.A. with AM6: Luxury Models. Except Luxury Models.** ..... \$78.99
- A90 Trunk-Lid Latch, Power** ..... \$ 14.74
- A01 Seat Adjuster, 6-Way Power Left-Side—AM6 required. Luxury Sedan and Coupe.** ..... \$ 78.99
- A02 Seat Adjuster, 6-Way Power Right-Side—AM6 and A01 required. Luxury Sedan and Coupe.** ..... \$105.32
- AM6 Seat, Divided Front with Dual Controls—Includes 2-way power left-side adjuster. N.A. with A42. Luxury Sedan and Coupe.** ..... \$ 78.99
- A54 Seat Shoulder Belts, Deluxe Rear-** ..... \$ 26.33

- AU3 Door Locks, Power—For all doors. Included in AU5:** ..... \$ 47.39
- Sedans** ..... \$ 70.56
- AU5 Door Locks, Power and Front-Seat-Backrest Lock Releases—Includes AU3. Coupes** ..... \$ 70.56
- B32 Floor Mats, Auxiliary Front** ..... \$ 8.43
- B33 Floor Mats, Auxiliary Rear** ..... \$ 7.37
- B36 Floor Mat, Trunk Heavy-Duty Rubber** ..... \$ 7.90
- B84 Moldings, Chrome Protective Side** ..... \$ 33.70
- B93 Moldings, Chrome Door-Edge Guard: Coupes** ..... \$ 6.32
- Sedans** ..... \$ 9.48
- C08 Rooftop Covering, Vinyl** ..... \$142.18
- C49 Window Defogger, Electric Rear—Includes K81** ..... \$ 63.19
- C80 Air Conditioner, Four-Season—Includes heavy-duty radiator** ..... \$442.34
- C61 Air Conditioner, Comfortron—Includes C60 and automatic comfort control** ..... \$521.33

- CD3 Windshield Washer / Wiper, Shift-Lever-Controlled** ..... \$ 21.06
- D89 Finish, Two-Tone Magic-Mirror** ..... \$ 44.23
- G80 Axle, Anti-Spin Rear** ..... \$ 49.50
- K30 Cruise Control, Automatic** ..... \$ 68.46
- N10 Exhaust System, Dual** ..... \$ 30.23
- N33 Steering Wheel, Tilt-Away—Included in N37** ..... \$ 45.29
- N37 Steering Wheel, Tilt-and-Telescope—Includes N33** ..... \$ 84.26
- P03 Wheel Discs, Deluxe** ..... \$ 31.60
- P26 Tires, J78 x 15" Dual-White-Stripe Bias-Ply Belted** ..... \$ 38.97
- T81 Headlamp Off-Delay Control, Night-Watch** ..... \$ 12.84
- T87 Lamps, Cornering** ..... \$ 36.86
- U41 Indicator, Low-Fuel** ..... \$ 9.48
- U58 Radio, AM-FM Stereophonic Pushbutton—Includes 4 speakers** ..... \$239.08
- U63 Radio, AM Pushbutton** ..... \$ 87.42
- U80 Radio Speaker, Bi-Phonic Rear—N.A. with U58, UM1, or UM2** ..... \$ 18.96
- U87 Speedometer Package—Includes Safety Sentinel and Trip Odometer** ..... \$ 15.80

- UM1 Radio, AM Pushbutton with Stereo Tape Player—Includes 4 speakers** ..... \$221.17
- UM2 Radio, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers** ..... \$372.83
- V36 Bumper Guards, Protective—With vinyl inserts** ..... \$ 47.39
- Y60 Convenience Group, Lamps and Mirrors—Includes trunk and underhood lamps, and visor vanity mirror** ..... \$ 8.64
- Y72 Engine-Cooling Equipment, Heavy-Duty—For trailer towing. Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, 55-ampere Delcotron, and transmission oil cooler:** ..... \$ 21.06
- With C60 or C61** ..... \$ 57.93
- Without C60 or C61** ..... \$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 Suspension System, Heavy-Duty—For strenuous service: trailer towing, continuous heavy trunk loads, and where most driving is on secondary and rural roads. Includes heavy-duty front and rear springs, and FG2 shock absorbers. G66 shock absorbers available. N99 required** ..... \$ 21.06
- FG2 Shock Absorbers, Firm-Ride Front and Rear—For considerable secondary and rural road driving. Included in F41. N.A. with G66** ..... \$ 5.27
- G66 Shock Absorbers, Superlift Rear—For trailer towing. N99 required. N.A. with FG2** ..... \$ 42.13
- N99 Wheels, Heavy-Duty 15 x 6"—For trailer towing. Included in J55** ..... \$ 10.53
- U89 Wiring Harness, Trailer Electrical—N99 required** ..... \$ 10.53

## POLICE EQUIPMENT

(For usage, refer to Product Selling Literature)

- J55 Brakes, Heavy-Duty Power with Front Disc—Single piston front disc brakes with heavy-duty non-fading linings; 12.00 x 2 1/4" heavy-duty duo-servo rear brakes; power brake application. Includes N99, G94 (2.93) Axle required** ..... \$ 28.44
- K81 Delcotron, Heavy-Duty—60-ampere/hour alternator with solid state transistorized regulator; 19-ampere/hour at idle. Included in C49** ..... \$ 21.06

## FACTORY-INSTALLED POWER TEAMS

Std. V-8, std. Turbo Hydra-matic 400 Transmission, and 2.73 (std.) Axle or 2.93 (G94) Axle for performance or trailer towing.



# Models . . . **TORONADO** . . . Equipment

9657 Toronado Custom Coupe

## STANDARD EQUIPMENT

- **Armrest**, Front-Seat Center
- **Armrests**, Deluxe Front- (with bright accent moldings and backplates)
- **Armrests**, Deluxe Integral Rear-Quarter
- **Ashtrays**, Dual Instrument-Panel and Rear-Armrest
- **Battery**, 74-Ampere-Hour/90-Plate
- **Brakes**, Power Front Disc and Rear Drum
- **Cigar Lighter**, Instrument-Panel
- **Cigar Lighters**, Rear-Armrest
- **Clock**, Electric Instrument-Panel
- **Delcotron**, 42-Ampere
- **Door Pull Handles**
- **Engine**, Rocket 455 V-8 (4-bbl. carburetor)
- **Exhaust System**, Full Dual
- **Floor Carpeting**, Wall-to-Wall (plus carpeted cowl, door, and front-seat-back lower panels)
- **Frame**, Torque-Beam
- **Hood Lock**, Interior-Operated
- **Instrument-Panel Trim**, Swirl-Gold-Vinyl
- **Lamps**, Instrument-Panel Courtesy, Glove Compartment, and Map
- **Lamps**, Roof Rear-Quarter
- **Lamp Switches**, Automatic Interior-
- **Mirror**, Remote-Control Outside Rearview
- **Moldings**, Chrome Rocker Panel and Wheel-Opening
- **Moldings**, Chrome Roof Drip
- **Moldings**, Chrome Side-Window Sill
- **Pedals**, Color-Keyed Chrome-Accented
- **Radio Antenna**, Windshield
- **Seat**, Full-Foam Custom Bench Front
- **Seat Cushion**, Foam-Padded Rear-
- **Seat Head Restraints**, Dual Front-
- **Seat Lap Belts**, 3 Front and 3 Rear Deluxe
- **Seat Shoulder Belts**, 2 Front Deluxe
- **Steering**, Power
- **Steering Wheel**, Deluxe
- **Tires**, J78 x 15" Blackwall Bias-Ply Belted
- **Transmission**, Turbo Hydra-matic 400 Column-Shift
- **Ventilation**, Flo-Thru Body
- **Wheels**, 15 x 6"
- **Wheel Discs**, Chrome
- **Windshield Wipers**, Recessed-Park

## FACTORY-INSTALLED EQUIPMENT

- A01 **Windows**, Soft-Ray Tinted—Includes A02 ..... \$ 50.55
- A02 **Windshield**, Soft-Ray Tinted—Included in A01 ..... \$ 35.81
- A31 **Windows**, Power Side ..... \$132.70
- A42 **Seat Adjuster**, 6-Way Power—N.A. with Y69 ..... \$105.32
- A90 **Trunk-Lid Latch**, Power ..... \$ 14.74
- AG1 **Seat Adjuster**, 6-Way Power Left-Side Divided Front—Y69 required ..... \$ 78.99
- AG2 **Seat Adjuster**, 6-Way Power Right-Side Divided Front—AG1 and Y69 required ..... \$105.32

- A54 **Seat Shoulder Belts**, Deluxe Rear... \$ 26.33
- AU3 **Door Locks**, Power—Included in AU5... \$ 47.39
- AU5 **Door Locks with Front-Seat-Backrest Lock Releases**, Power—Includes AU3... \$ 70.56
- B32 **Floor Mat**, Auxiliary Front... \$ 10.01
- B33 **Floor Mat**, Auxiliary Rear... \$ 7.37
- B36 **Floor Mat**, Trunk Heavy-Duty Rubber \$ 7.90
- B93 **Moldings**, Chrome Door-Edge Guard \$ 6.32
- C09 **Rooftop Covering**, Padded-Vinyl... \$139.92
- C49 **Window Defogger**, Electric Rear... \$ 63.19
- C60 **Air Conditioner**, Four-Season—Includes heavy-duty radiator... \$442.34

- C61 **Air Conditioner**, Comforton—Includes C60 and automatic comfort control... \$521.33

- CD3 **Windshield Washer/Wiper**, Shift-Lever-Controlled... \$ 21.06

- JL9 **Braking**, True-Track... \$194.84

- K30 **Cruise Control**, Automatic... \$ 68.46

- N33 **Steering Wheel**, Tilt-Away—Included in N37 ..... \$ 45.29

- N37 **Steering Wheel**, Tilt-and-Telescope—Includes N33... \$ 84.26

- P26 **Tires**, J78 x 15" Triple-White-Stripe Bias-Ply Belted... \$ 38.97

- T81 **Headlamp Off-Delay Control**, Night-Watch... \$ 12.64

- T87 **Lamps**, Cornering... \$ 36.86

- U41 **Indicator**, Low-Fuel... \$ 9.48

- U58 **Radio**, AM-FM Stereophonic Pushbutton—Includes 4 speakers... \$239.08

- U63 **Radio**, AM Pushbutton... \$ 87.42

- U80 **Radio Speaker**, Bi-Phonic Rear—Included with U58, U61, and U62... \$ 18.96

- UB7 **Speedometer Package**—Includes Safety Sentinel and Trip Odometer... \$ 15.89

- UM1 **Radio**, AM Pushbutton with Stereo Tape Player—Includes 4 speakers... \$221.17

- UM2 **Radio**, AM-FM Stereophonic Pushbutton with Stereo Tape Player—Includes 4 speakers... \$372.83

- WM4 **Battery**, Carefree... \$ 26.33

- Y60 **Convenience Group**, Lamps and Mirrors—Includes trunk and underhood lamps, and visor vanity mirror, plus door courtesy and open-door warning lamps:  
With Y69 ..... \$ 21.80  
Without Y69 ..... \$ 8.64

- Y69 **Interior Trim**, Brougham—Includes Full-Foam Divided Front Seat with Dual Controls... \$157.98

- Y72 **Engine-Cooling Equipment**, Heavy-Duty—Includes heavy-duty radiator and water pump, Thermo-Cool engine fan, 55-ampere Delcotron, and transmission oil cooler:  
With C60 or C61... \$ 5.27  
Without C60 or C61... \$ 57.93

## SPECIAL USE EQUIPMENT

(For usage, refer to Product Selling Literature)

- F41 **Suspension System**, Heavy-Duty—For strenuous service; trailer towing and continuous heavy trunk loads. Includes heavy-duty front torsion bars, rear springs, and front and rear shock absorbers. G66 shock absorbers available... \$ 21.06

- G66 **Shock Absorbers**, Superlift Rear—For trailer towing... \$ 42.13

- U89 **Wiring Harness**, Trailer Electrical... \$ 10.53

## FACTORY-INSTALLED POWER TEAMS

Std. V-8, Turbo Hydra-matic 400 Transmission and 3.07 Axle.

## TRAILER-TOWING EQUIPMENT FOR SPECIFIC MODELS AND TRAILER WEIGHTS

When a trailer is attached to a car, the car becomes not only a load-carrying vehicle, but a load-pulling vehicle. The demands of this type of operation are very different from those for which the automobile is primarily designed, and may present problems such as spring and tire loading, braking, cooling, lighting, and steering. However, careful driving practices and the use of factory-recommended equipment will better satisfy the requirements of trailer towing.

Trailer Hitch—The attachment for towing a trailer requires careful consideration. While a bumper hitch may be satisfactory for lightweight types of trailers, the hitch for heavier trailers must not attach to the rear bumper or frame rear crossmember only, but must be designed to distribute the load to suitable structural members of the vehicle. Since there are many types, weights, and sizes of trailers, and numerous trailer hitch designs, each having its individual performance characteristics, it is not practical for Oldsmobile to thoroughly test and evaluate the merits of each. Oldsmobile is therefore unable to offer specific recommendations or assume responsibility for the operation of trailer hitches—which are not manufactured or supplied by Oldsmobile.

INTERMEDIATE MODELS	F-B5 • CUTLASS • CUTLASS S		CUTLASS SUPREME		4-4-2		VISTA-CRUISER		
	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)
Gross Trailer Weight (lb.) Maximum Tongue Load (lb.)	1000-2000 a 200	2000-3500 350	1000-2000 a 200	2000-3500 350	1000-2000 a 200	2000-3500 350	1000-2000 a 200	2000-3500 350	3500-5000 500
94 Extra-Performance V-8 Engine	Rocket 350 V-8 (L74) Recommended	Rocket 350 V-8 (L74) Required	Standard Rocket 350 V-8 Required		Not Required		Rocket 355 V-8 (L32) Recommended	Rocket 455 V-8 (L32) Required Rocket 455 V-8 (L31) Recommended	Rocket 455 V-8 (L31) Required
Heavy-Duty Engine-Cooling Equipment (Y72)	Recommended	Required	Recommended	Required	Recommended or Required b	Required	Recommended or Required b	Required	
Automatic Transmission	Turbo Hydra-matic 350 (M38) Recommended	Turbo Hydra-matic 350 (M38) Required	Turbo Hydra-matic 350 (M38) Recommended	Turbo Hydra-matic 350 (M38) Required	Turbo Hydra-matic 400 (M40) Recommended	Turbo Hydra-matic 400 (M40) Required	Turbo Hydra-matic 400 (M40) Recommended	Turbo Hydra-matic 400 (M40) Required	
Performance Rear Axle	3.08-to-1 Ratio Axle (G82) Recommended	3.08-to-1 Ratio Axle (G82) Required	3.08-to-1 Ratio Axle (G82) Recommended	3.08-to-1 Ratio Axle (G82) Required	3.25-to-1 Ratio Axle (G81) Required	3.42-to-1 Ratio Axle (G82) Recommended	3.73-to-1 Ratio Axle (G81) Recommended	3.08-to-1 Ratio Axle (G84) Required	
Anti-Spin Rear Axle (G82)	Available		Available		Available		Available		
Heavy-Duty Suspension System (F41)	Available	Recommended	Available	Recommended	Not Required		Available	Recommended	Required
Superlift Rear Shock Absorbers (G96)	Available		Available		Available		Available		
Heavy-Duty Wheels (N99)	Required, Standard on Cutlass Cruiser		Required		Required		Standard		
Equalizing Load-Leveling Trailer Hitch (Not offered by Oldsmobile)	Not Required	Required	Not Required	Required	Not Required	Required	Not Required	Required	
Trailer Electrical Wiring Harness (G88)	Recommended		Recommended		Recommended		Recommended		

FULL-SIZE MODELS	DELTA 88			DELTA 88 CUSTOM • DELTA 88 ROYALE			CUSTOM CRUISER			NINETY-EIGHT • NINETY-EIGHT LUXURY			TORONADO CUSTOM		
	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)	Light Weight (SAE Class 1)	Medium Weight (SAE Class 2)	Heavy Weight (SAE Class 3)
Gross Trailer Weight (lb.) Maximum Tongue Load (lb.)	1000-2000 a 200	2000-3500 350	3500-5000 500	1000-2000 a 200	2000-3500 350	3500-5000 500	1000-2000 a 200	2000-3500 350	3500-5000 500	1000-2000 a 200	2000-3500 350	3500-5000 500	1000-2000 a 200	2000-3500 350	3500-5000 500
Extra-Performance V-8 Engine	Not Required	Rocket 455 V-8 (L30) Required	Rocket 455 V-8 (L31) Required Dual Exhausts (N10) Recommended	Not Required	Rocket 455 V-8 (L30) Required	Rocket 455 V-8 (L31) Required Dual Exhausts (N10) Recommended	Not Required	Rocket 455 V-8 (L31) Required	Not Required	Dual Exhausts (N10) Recommended		Not Required	Not Required		
Heavy-Duty Engine-Cooling Equipment (Y72)	Recommended or Required b	Required	Recommended or Required b	Required	Recommended or Required b	Required	Recommended or Required b	Required	Recommended or Required b	Recommended or Required b	Required	Recommended or Required b	Recommended or Required b	Required	Required
Automatic Transmission	Turbo Hydra-matic 350 (M38) Recommended	Turbo Hydra-matic 400 (M40) Required	Turbo Hydra-matic 400 (M40) Standard	Turbo Hydra-matic 400 (M40) Recommended	Turbo Hydra-matic 400 (M40) Required	Turbo Hydra-matic 400 (M40) Standard	Turbo Hydra-matic 400 (M40) Recommended	Turbo Hydra-matic 400 (M40) Required	Turbo Hydra-matic 400 (M40) Standard	Turbo Hydra-matic 400 (M40) Standard		Turbo Hydra-matic 425 (M42) Standard	Turbo Hydra-matic 425 (M42) Standard		
Performance Rear Axle	Not Required	3.08-to-1 Ratio Axle (G82) Required	2.50-to-1 Ratio Axle (G84) Required	2.73-to-1 Ratio Axle (G82) Recommended	2.50-to-1 Ratio Axle (G84) Recommended	2.50-to-1 Ratio Axle (G84) Required	3.42-to-1 Ratio Axle (G82) Recommended	3.42-to-1 Ratio Axle (G82) Required	2.93-to-1 Ratio Axle (G84) Recommended	2.93-to-1 Ratio Axle (G84) Required	2.93-to-1 Ratio Axle (G84) Standard	Not Required.	Not Required.		
Anti-Spin Rear Axle (G82)	Available			Available			Available			Available			Not Available		
Heavy-Duty Suspension System (F41)	Available	Recommended	Required	Available	Recommended	Required	Available	Recommended	Required	Available	Recommended	Required	Available	Recommended	Required
Superlift Rear Shock Absorbers (G96)	Available			Available			Available			Available			Available		
Heavy-Duty Wheels (N99)	Required			Required			Standard			Required			Not Required		
Equalizing Load-Leveling Trailer Hitch (Not offered by Oldsmobile)	Not Required	Required	Not Required	Not Required	Required	Not Required	Not Required	Required	Not Required	Not Required	Required	Not Required	Not Required	Required	Required
Trailer Electrical Wiring Harness (G88)	Recommended			Recommended			Recommended			Recommended			Recommended		

a—No special equipment is usually required for trailers weighing less than 1000 pounds. b—Required for unusually high temperatures, heavy traffic, hilly terrain, or towing trailer wider than the frontal area of the car.

## DEALER-INSTALLED EQUIPMENT

PART NUMBER	MODELS	Intermediate			BB Models	Custom Cruiser	Ninety-Eight	Toronado	INSTALLATION PRICE		
		Cars	Cruisers						Suggested List Price (\$)	Approx. Time (Hr.)	Installed Price (\$)
Brakes, Pedal-Ease Power (150)		983284	*						50.50		
Clock, Electric (135)		983151	*	*					18.45		
	Standard in Delta 88 Royale	983202			*	*			19.40		
Cruise Control, Automatic (K38)	V-8 models	983256	*	*	*	*			59.50		
—Power brakes and automatic transmission required	With T81-and-Telescope Steering Wheel (N17)	983241					*		64.50		
	With T81-and-Telescope Steering Wheel (N37)	983257					*	*	64.50		
	Without N17	983245	*	*	*	*	*	*	64.50		
	Without N17	983256	*	*	*	*	*	*	64.50		
Cruise Control Adapter Package	For V-8 with 2-barrel carburetor	983184	*	*	*	*	*	*	2.95		
Floor Mats, Auxiliary	Full-width front mat (B32)	—			*	*	*	*	9.90		
—Black, blue, brown, gold or green	Pair of front mats (B32)	—	*	*	*	*	*	*	7.40/8.40		
	Full-width rear mat (B33)	—			*	*	*	*	7.30		
	Pair of rear mats (B33)	—	*	*	*	*	*	*	7.40		
Floor Mat, Heavy-Duty Rubber Trunk (B36)		982818	*	*	*	*	*	*	7.90		
Headlamp Off-Delay Control, Nightwatch (T11)	F-85	983187	*						20.00		
		983239			*	*	*	*	20.00		
Hood Lock, Interior-Operated (T44)		983168	*	*					10.75		
Indicator, Low-Fuel (U41)		983260	*		*	*	*	*	11.00		
Lamps, Courtesy and Map		983153	*	*					7.40		
Lamps, Courtesy	Standard in Delta 88 Custom and Royale	983203	*	*	*	*			3.85		
Lamp, Glove Compartment		983150	*	*					1.65		
	Standard in Delta 88 Royale	983205			*	*			2.50		
Lamp, Portable Spot		987112	*	*	*	*	*	*	8.15		
Lamp, Trunk		983279	*	*					2.95		
		983266	*	*	*	*	*	*	2.95		
Lamp, Underhood		983204	*	*	*	*	*	*	2.95		
Luggage Carrier, Chrome Rooftop (V55)	Collapsible Cruiser	983105		*					52.80		
	Vista-Cruiser	983106		*					52.80		
	Custom Cruiser	994158		*		*			51.30		
Luggage Carrier Cover, Raipak	Collapsible and Custom Cruisers	983013	*	*	*	*	*	*	36.45		
	Vista-Cruiser	983014	*	*	*	*	*	*	36.45		
Mirror, Outside Rearview (Right-Hand)		983138	*	*					7.25		
		983268		*	*	*			7.25		
		983280		*	*	*	*	*	11.50		
Mirror, Remote-Control Outside Rearview (D33, Left-Hand)		983137	*	*					15.75		
		983269	*	*	*	*	*	*	15.75		
Mirrors, Sports-Styled Outside Rearview (D35)		983275	*	*	*	*	*	*	24.80		
Mirror, Visor Vanity		983267	*	*	*	*	*	*	2.15		
Moldings, Chrome Door-Edge Guard (B93)	2-door models	983128	*	*	*	*	*	*	5.95		
	2-door models	983262			*	*	*	*	5.95		
	2-door models	983261			*	*	*	*	5.95		
	4-door models except Vista- and Custom Cruisers	983109	*	*					9.15		
	Vista-Cruiser	983110	*	*					9.15		
	4-door models	983263			*	*	*	*	9.15		
	Custom Cruiser and 4-door models	983264			*	*	*	*	9.15		
Radio, Deluxe Pushbutton (U63)		983199	*	*					68.50		
		983248	*	*	*	*	*	*	78.00		
		983252	*	*	*	*	*	*	78.00		
Radio, AM-FM Stereophonic Pushbutton (U58)		983200	*	*					219.65		
		983249	*	*	*	*	*	*	219.65		
		983253	*	*	*	*	*	*	219.65		
Radio and Tape Player Combinations	AM Deluxe (UM1)	983250	*	*	*	*	*	*	194.75		
	AM Deluxe (UM1)	983254	*	*	*	*	*	*	194.75		
	AM-FM Stereo (UM2)	983251	*	*	*	*	*	*	336.40		
	AM-FM Stereo (UM2)	983255	*	*	*	*	*	*	336.40		
Radio Speaker, Bi-Phonic Rear (U85)	Except Vista-Cruiser	983276	*	*					16.00		
	Cruisers	983277	*	*					16.00		
	Custom Cruiser	983270	*	*	*	*	*	*	16.00		
	Delta 88 Custom and Royale, Ninety-Eight, Toronado	983271	*	*	*	*	*	*	16.00		
Seat, Child Safety	Deluxe	987499	*	*	*	*	*	*	18.95		
Seat, Deluxe Infant Carrier		992970	*	*	*	*	*	*	9.95		
Seat Belt Retainer		983154	*	*	*	*	*	*	.45		
Ski Rack, Rooftop		987997	*	*	*	*	*	*	34.15		
Spoiler, Rear-Deck (W25)	F-85	983190	*	*					70.00		
Steering, Vari-Ratio Power (N47)	F-85 (L-6)	983196	*	*					119.70		
	F-85 (L-6) Adapter Package	983230	*	*					10.60		
	F-85 (V-8)	983197	*	*					119.70		
Stereo Tape Player (U57)—Radio and rear-seat speaker required		983201	*	*					116.75		
Tape Player	Cassette (F-85)	988974	*	*					112.50		
	Adapter Package (F-85)	983282	*	*					12.50		
	Cassette	988974	*	*	*	*	*	*	112.50		
	Adapter Package	983283	*	*	*	*	*	*	12.50		
Tissue Dispenser and Litter Container		983191	*	*	*	*	*	*	5.95		
Trunk-Lid-Latch Release, Power (A91)		983181	*	*	*	*	*	*	14.50		
		983272	*	*	*	*	*	*	14.50		
Wheel Discs (P01)—For 14" wheels		983192	*	*	*	*	*	*	28.85		
Wheel Discs, Deluxe (P02)—For 14" wheels		983193	*	*	*	*	*	*	61.50		
Wheel Discs, Deluxe (P03)—For 15" wheels		983194	*	*	*	*	*	*	64.00		
Window Defogger, Rear- (C56)—Blower type	Except Convertible	983207	*	*	*	*	*	*	29.30		
	Except Convertible	983208	*	*	*	*	*	*	29.30		
Window Air Deflector, Tailgate (C51)		983101	*	*	*	*	*	*	18.75		

INTERIOR TRIMS					BLACK		JADE GREEN		BLUE		MAIZE	BRIAR		WHITE	SANDALWOOD		SIENNA
					Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Cloth	Vinyl	Cloth	Vinyl	Vinyl	Cloth*	Vinyl
MODEL AND NUMBER		L-8	V-8	FRONT SEAT TYPE	TRIM CODE NUMBERS												
F-85	Town Sedan	3169	3269	Bench (Std.)	10	—	12	—	—	—	—	—	—	—	—	—	19
CUTLASS	Hardtop Coupe	3187	3287	Bench (Std.)	10	—	12	—	—	—	—	—	—	17	—	—	19
	Town Sedan	3569	3669	Bench (Std.)	10	—	—	42	13	—	—	—	—	17	—	—	19
	Cruiser	3536	3636	Bench (Std.)	10	—	12	—	13	—	—	—	—	—	—	—	19
CUTLASS S	Sports Coupe	3577	3677	Bench (Std.)	10	—	—	42	13	—	—	—	—	17	—	48	19
				Strato Bucket (A51)	30	—	—	—	—	—	—	—	—	37	—	—	—
	Hardtop Coupe	3587	3687	Bench (Std.)	10	—	—	42	13	—	—	—	—	17	—	48	19
				Strato Bucket (A51)	30	—	32	—	33	—	—	—	—	37	—	—	39
CUTLASS SUPREME	Hardtop Sedan	—	4239	Custom Sport (Std.)	10	—	—	42	13	—	—	—	—	—	—	48	19
	Hardtop Coupe	—	4257	Strato Bucket (Std.)	30	—	32	—	33	—	—	—	—	37	—	—	39
				Custom Sport (A65)	10	40	—	42	—	43	—	—	—	17	—	48	19
	Convertible	—	4267	Strato Bucket (Std.)	30	—	32	—	—	—	—	—	—	37	—	—	39
				Custom Sport (A65)	10	—	—	—	13	—	—	—	—	17	—	—	19
4-4-2	Hardtop Coupe	—	4487	Strato Bucket (Std.)	30	—	32	—	33	—	—	—	—	37	—	—	39
				Bench (A52)	10	—	—	42	13	—	—	—	—	17	—	48	19
	Convertible	—	4467	Strato Bucket (Std.)	30	—	32	—	—	—	—	—	—	37	—	—	39
				Custom Sport (A65)	10	—	—	—	13	—	—	—	—	17	—	—	19

VISTA-CRUISER	2-Seat Model	—	4856	Bench (Std.)	10	—	12	—	13	—	—	—	—	—	—	—	19
	3-Seat Model	—	4866	Bench (Std.)	10	—	12	—	13	—	—	—	—	—	—	—	19
DELTA 88	Town Sedan	—	5469	Full-Foam Bench (Std.)	10	40	—	42	—	43	—	15	—	—	18	—	—
	Hardtop Sedan	—	5439	Full-Foam Bench (Std.)	10	40	—	42	—	43	—	15	—	17	—	48	—
	Hardtop Coupe	—	5457	Full-Foam Bench (Std.)	10	40	—	42	—	43	—	15	—	17	—	48	—
DELTA 88 CUSTOM	Town Sedan	—	6469	Full-Foam Bench (Std.)	10	—	—	42	—	43	—	—	45	—	18	48	—
	Hardtop Sedan	—	6439	Full-Foam Custom Bench (Std.)	10	—	—	42	—	43	—	—	45	17	—	48	—
	Hardtop Coupe	—	6457	Full-Foam Custom Bench (Std.)	10	—	—	42	—	43	—	—	45	17	—	48	—
DELTA 88 ROYALE	Hardtop Coupe	—	6647	Full-Foam Custom Bench (Std.)	—	40	—	42	—	43	—	—	45	17	—	—	—
	Convertible	—	6667	Full-Foam Custom Bench (Std.)	10	—	12	—	13	—	—	15	—	17	—	—	—
CUSTOM CRUISER	2-Seat Model	—	6835	Full-Foam Bench (Std.)	10	—	12	—	13	—	—	15	—	—	18	—	—
	3-Seat Model	—	6845	Full-Foam Bench (Std.)	10	—	12	—	13	—	—	15	—	—	18	—	—
NINETY-EIGHT	Coupe	—	8437	Full-Foam Custom Bench (Std.)	10	40	—	42	—	43	—	—	45	17	—	—	—
	Sedan	—	8439	Full-Foam Armrest Bench (Std.)	10	40	—	42	—	43	—	—	45	17	—	—	—
NINETY-EIGHT LUXURY	Coupe	—	8637	Full-Foam Custom Bench (Std.)	10	40	—	42	—	43	—	15	45	—	18	48	—
				Full-Foam Divided Bench (AM6)	50	60	—	—	—	—	—	—	—	—	—	—	—
	Sedan	—	8639	Full-Foam Armrest Bench (Std.)	10	40	—	42	—	43	—	15	45	—	18	48	—
				Full-Foam Divided Bench (AM6)	50	60	—	—	—	—	—	—	—	—	—	—	—
TORONADO CUSTOM	Coupe	—	9657	Full-Foam Custom Bench (Std.)	10	40	—	42	—	43	44	—	45	17	—	—	—
				Full-Foam Divided Bench (In Y69)	50	60	—	62	—	63	64	—	65	—	—	—	—

\*Sandalwood Cloth Trims (No. 48) available approximately November 16, 1970



# RECOMMENDED EXTERIOR AND INTERIOR COLOR COMBINATIONS

SINGLE-TONE EXTERIOR COLORS	CODE	INTERIOR COLORS in addition to Black and White	VINYL ROOFTOP COLORS in addition to Black and White	CONVERTIBLE TOP COLORS in addition to Black and White	PAINT STRIPE COLORS
<b>INTERMEDIATE MODELS: F-85 • CUTLASS • CUTLASS S • CUTLASS SUPREME • 4-4-2 • VISTA-CRUISER</b>					
Cameo White	11	Blue, Green, Sienna, Sandalwood	Blue, Green, Sandalwood	Green, Sandalwood	Black, Blue, Gold, Green
Sterling Silver	13	Blue	Blue	None	Black, Blue, White
Ebony Black	19	Blue, Sandalwood	Blue, Sandalwood	Sandalwood	Blue, Gold, White
Nordic Blue	24	Blue	Blue	None	Black, Blue, White
Viking Blue	26	Blue	Blue	None	Black, White
Palm Green	42	Green, Sandalwood	Green, Sandalwood	Green	Black, Green, White
Lime Green	43	Green, Sandalwood	Green, Sandalwood	Green	Black, Green, White
Antique Jade	49	Green, Sandalwood	Green, Sandalwood	Green, Sandalwood	Black, Gold, Green, White
Saturn Gold	53	Sandalwood	Sandalwood	None	Black, White
Sandalwood	61	Green, Sienna, Sandalwood	Green, Sandalwood	Green, Sandalwood	Black, Green, White
Bittersweet	62	Sienna, Sandalwood	Sandalwood	Sandalwood	Black, White
Sienna	67	Sienna, Sandalwood	Sandalwood	Sandalwood	Black, White
Sable Brown	68	Sienna, Sandalwood	Sandalwood	Sandalwood	Gold, White
Matador Red	75	Sandalwood	Sandalwood	None	Black, White
Antique Briar	78	Sandalwood	Sandalwood	None	Black, White

<b>FULL-SIZE MODELS: DELTA 88, DELTA 88 CUSTOM • DELTA 88 ROYALE • NINETY-EIGHT • NINETY-EIGHT LUXURY CUSTOM CRUISER</b>					
Cameo White	11	Blue, Briar, Green, Sandalwood	Blue, Green, Sandalwood	Green, Sandalwood	Black, Blue, Gold, Green
Sterling Silver	13	Blue	Blue	None	Black, Blue, White
Oxford Gray	16	None	None	None	Black, White
Ebony Black	19	Blue, Briar, Sandalwood	Blue, Sandalwood	Sandalwood	Blue, Gold, White
Nordic Blue	24	Blue	Blue	None	Black, Blue, White
Monarch Blue	29	Blue	Blue	None	Black, Blue, White
Capri Aqua	39	Sandalwood	Sandalwood	None	Black, White
Palm Green	42	Green, Sandalwood	Green, Sandalwood	Green, Sandalwood	Black, Green, White
Antique Jade	49	Green, Sandalwood	Green, Sandalwood	Green, Sandalwood	Black, Gold, Green, White
Galleon Gold	55	Sandalwood	Sandalwood	Sandalwood	Black, Gold, White
Sandalwood	61	Briar, Green, Sandalwood	Green, Sandalwood	Green, Sandalwood	Black, Green, White
Sienna	67	Sandalwood	Sandalwood	Sandalwood	Black, White
Sable Brown	68	Briar, Sandalwood	Sandalwood	Sandalwood	Gold, White
Matador Red	75	Sandalwood	Sandalwood	None	Black, White
Antique Briar	78	Briar, Sandalwood	Sandalwood	None	Black, White

<b>TORONADO CUSTOM</b>			
Cameo White	11	Blue, Briar, Green, Maize	Brown, Gold, Green
Sterling Silver	13	Blue	None
Nordic Blue	24	Blue	None
Monarch Blue	29	Blue	None
Silver Mint	41	Green	Green
Palm Green	42	Green	Green
Antique Jade	49	Green	Green
Bamboo	50	Maize	Brown, Gold
Galleon Gold	55	Maize	Brown, Gold
Sandalwood	61	Briar, Green	Brown, Green
Kashmir Copper	65	None	None
Sable Brown	68	Briar, Maize	Brown, Gold
Doeskin	70	Briar	Brown
Briar	73	Briar	Brown
Venetian Red	74	None	None

<b>INTERIOR COMPONENT COLORS</b>								
Components	Black	Blue	Briar	Green	Maize	Sandalwood	Sienna	White
Headliner	Black	Dark Blue	Dark Briar	Dark Jade	Medium Maize	Light Sandalwood	Dark Sienna	White
Floor Covering	Black	Dark Blue	Dark Briar	Dark Jade	Medium Maize	Medium Sandalwood	Dark Sienna	Black
Instrument Panel	Black	Dark Blue	Dark Briar	Dark Jade	Dark Maize	Dark Sandalwood	Dark Sienna	Black
Standard Seat Belts	Black	Black	Black	Black	N.A.	Black	Black	Black
Deluxe Seat Belts	Black	Dark Blue	Dark Briar	Dark Jade	Medium Maize	Medium Sandalwood	Dark Sienna	Black

TWO-TONE EXTERIOR COLORS						
LOWER BODY COLORS*	CODE	UPPER BODY COLORS*	CODE	INTERIOR COLORS		
INTERMEDIATE MODELS						
Cameo White	11	Sterling Silver	13	Black, White		
		Ebony Black	19	Black, White		
		Nordic Blue	24	Blue, White		
		Viking Blue	26	Blue, White		
		Palm Green	42	Green, White		
		Lime Green	43	Green, White		
		Antique Jade	49	Green, White		
		Saturn Gold	53	White		
		Sandalwood	61	Sienna, White, Sandalwood		
		Bittersweet	62	Sienna, White		
		Sienna	67	Sienna, White		
		Sable Brown	68	Sienna, White		
		Matador Red	75	White		
		Antique Briar	78	White		
Sterling Silver	13	Ebony Black	19	Black		
		Nordic Blue	24	Blue		
		Viking Blue	26	Blue		
Ebony Black	19	Nordic Blue	24	Black, Blue		
		Viking Blue	26	Black, Blue		
		Palm Green	42	Black, Green		
		Lime Green	43	Black, Green		
		Saturn Gold	53	Black		
		Sandalwood	61	Black, Sandalwood		
		Bittersweet	62	Black, Sienna		
Matador Red	75	Black				
Nordic Blue	24	Viking Blue	26	Blue		
Palm Green	42	Lime Green	43	Green		
		Antique Jade	49	Green		
		Antique Jade	49	Sandalwood	61	Green, Sandalwood
Sandalwood	61	Bittersweet	62	Sienna, Sandalwood		
		Sienna	67	Sienna, Sandalwood		
		Sable Brown	68	Sienna, Sandalwood		
Bittersweet	62	Sienna	67	Sienna		
		Sable Brown	68	Sienna		
FULL-SIZE MODELS						
Cameo White	11	Sterling Silver	13	Black, White		
		Oxford Gray	16	Black, White		
		Ebony Black	19	Black, White		
		Nordic Blue	24	Blue, White		
		Monarch Blue	29	Blue, White		
		Capri Aqua	39	White		
		Palm Green	42	Green, White		
		Antique Jade	49	Green, White		
		Galleon Gold	55	White		
		Sandalwood	61	Sandalwood, White		
		Sienna	67	Sandalwood, White		
		Sable Brown	68	Briar, Sandalwood, White		
		Matador Red	75	White		
		Antique Briar	78	Briar, White		
Sterling Silver	13	Oxford Gray	16	Black		
		Ebony Black	19	Black		
		Nordic Blue	24	Blue		
		Monarch Blue	29	Blue		
Oxford Gray	16	Ebony Black	19	Black		
Ebony Black	19	Nordic Blue	24	Black, Blue		
		Capri Aqua	39	Black		
		Palm Green	42	Black, Green		
		Galleon Gold	55	Black		
		Sandalwood	61	Black, Sandalwood		
		Matador Red	75	Black		
Nordic Blue	24	Monarch Blue	29	Blue		
Palm Green	42	Antique Jade	49	Green		
Antique Jade	49	Sandalwood	61	Green, Sandalwood		
Sandalwood	61	Sienna	67	Sandalwood		
		Sable Brown	68	Sandalwood		
		Antique Briar	78	Briar, Sandalwood		

## NOTES

INTERIOR COLOR: Interior color depends on model and exterior color selected.

VINYL ROOFTOP COVERING: Standard on Delta 88 Royale Hardtop Coupe. Available on all other Sedans and Coupes.

CONVERTIBLE TOP: Standard on Cutlass Supreme, 4-4-2, Delta 88 Royale Convertibles.

PAINT STRIPES: Standard on 4-4-2 and Delta 88 Royale models. Available on Cutlass and Cutlass S Coupes and Cutlass Supreme Hardtop Coupe and Convertible. It is recommended that stripes match top color or interior color whenever possible.

TWO-TONE EXTERIOR COLORS: Available on all Sedans, Coupes, and Cruisers except Delta 88 Royale and Toronado models. Upper and lower body colors may be reversed.

\*Upper and lower colors may be reversed.

POWER TEAMS  NOTE: Horsepower is S.A.E. Net Horsepower		AUTOMATIC TRANSMISSIONS		FULLY SYNCHRONIZED MANUAL TRANSMISSIONS							
		TURBO HYDRA-MATIC 400 (M40)	TURBO HYDRA-MATIC 350 (M38)	4-SPEED FLOOR-SHIFT WIDE-RATIO (M20)	4-SPEED FLOOR-SHIFT CLOSE-RATIO (M22)	HEAVY-DUTY 3-SPEED FLOOR-SHIFT (M14)	3-SPEED COLUMN- SHIFT (STD. V-8)	3-SPEED COLUMN- SHIFT (STD. V-8)	3-SPEED COLUMN- SHIFT (STD. L-6)		
		Ratios: First.....2.48:1 Second.....1.48:1 Third.....1.00:1 Reverse.....2.08:1	Ratios: First.....2.51:1 Second.....1.52:1 Third.....1.00:1 Reverse.....1.93:1	Ratios: First.....2.52:1 Second.....1.88:1 Third.....1.46:1 Fourth.....1.00:1 Reverse.....2.60:1	Ratios: First.....2.20:1 Second.....1.64:1 Third.....1.28:1 Fourth.....1.00:1 Reverse.....2.27:1	Ratios: First.....2.42:1 Second.....1.61:1 Third.....1.00:1 Reverse.....2.33:1	Ratios: First.....2.42:1 Second.....1.61:1 Third.....1.00:1 Reverse.....2.33:1	Ratios: First.....2.54:1 Second.....1.50:1 Third.....1.60:1 Reverse.....2.63:1	Ratios: First.....2.85:1 Second.....1.68:1 Third.....1.60:1 Reverse.....2.95:1		
		Reverse.....2.08:1	Reverse.....1.93:1	Reverse.....2.60:1	Reverse.....2.27:1	Reverse.....2.33:1	Reverse.....2.33:1	Reverse.....2.63:1	Reverse.....2.95:1		
MODELS	ENGINES	AXLES FOR ABOVE TRANSMISSIONS*									
F-85, CUTLASS, CUTLASS S	185-HP ROCKET 350 V-8 (L74)	N.A.	2.56:1 (G96) 2.73:1 (Std.) 3.08:1 (G90) 3.23:1 (G91)	3.23:1 (Std.) 3.42:1 (G92)	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.		
	180-HP ROCKET 350 V-8 (STD.)	N.A.	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) 3.23:1 (G91)	N.A.	N.A.	N.A.	N.A.	2.73:1 (G93) 3.08:1 (Std.) 3.23:1 (G91)	N.A.		
	110-HP ACTION-LINE 6 (STD.)	N.A.	2.73:1 (Std.) 3.08:1 (G90) 3.23:1 (G91)	N.A.	N.A.	N.A.	N.A.	N.A.	2.73:1 (Std.) 3.08:1 (G90) 3.23:1 (G91)		
CUTLASS SUPREME	250-HP ROCKET 455 V-8 (L32)	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
	180-HP ROCKET 350 V-8 (STD.)	N.A.	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) 3.23:1 (G91)	3.23:1 (Std.) 3.42:1 (G92)	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.		
	180-HP ROCKET 350 V-8 (L65)	N.A.	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) 3.23:1 (G91)	N.A.	N.A.	N.A.	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.)	N.A.		

4-4-2	300-HP FORCE-AIR ROCKET 455 V-8 (W30)	3.23:1 (G91)b 3.42:1 (Std.)d 3.73:1 (G89)d	N.A.	3.42:1 (Std.)d 3.73:1 (G89)d	3.42:1 (Std.)d 3.73:1 (G89)d	N.A.	N.A.	N.A.	N.A.
	270-HP 4-4-2 ROCKET 455 V-8 (STD.)	2.56:1 (G96) 2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.	3.23:1 (G91)b 3.42:1 (Std.)	3.42:1 (Std.)	3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92)	N.A.	N.A.	N.A.
VISTA- CRUISER	250-HP ROCKET 455 V-8 (L32)	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90)a	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	185-HP ROCKET 455 V-8 (L30)	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90)a	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	180-HP ROCKET 350 V-8 (STD.)	3.08:1 (Std.) 3.23:1 (G91)	N.A.	N.A.	N.A.	N.A.	N.A.	3.23:1 (Std.)	N.A.
DELTA 88, DELTA 88 CUSTOM, DELTA 88 ROYALE	225-HP ROCKET 455 V-8 (L31)	2.73:1 (Std.) 2.93:1 (G94)a	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	185-HP ROCKET 455 V-8 (STD.; L30, DELTA 88)	2.56:1 (Std.) 2.73:1 (G93) 2.93:1 (G94)a 3.08:1 (G90)	N.A.	N.A.	N.A.	N.A.	3.08:1 (Std.)	N.A.	N.A.
	180-HP ROCKET 350 V-8 (STD. DELTA 88)	N.A.	2.93:1 (G94)a 3.08:1 (Std.)	N.A.	N.A.	N.A.	3.08:1 (Std.)	N.A.	N.A.
CUSTOM CRUISER	225-HP ROCKET 455 V-8 (L31)	2.93:1 (Std.) 3.42:1 (G92)a	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	185-HP ROCKET 455 V-8 (STD.)	2.93:1 (Std.) 3.42:1 (G92)a	N.A.	N.A.	N.A.	N.A.	2.93:1 (Std.)	N.A.	N.A.
NINETY- EIGHT	225-HP ROCKET 455 V-8 (STD.)	2.73:1 (Std.) 2.93:1 (G94)a	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
TORONADO	275-HP ROCKET 455 V-8 (STD.)	3.07:1 (Std.)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

\*—In addition to factory-installed axles listed below, dealer-installed axles with 4.10:1, 4.66:1, and 5.00:1 ratios are available for intermediate V-8 power teams (except Cruisers) except with C60 or Y72. These ratios are not recommended for city or highway use. a—For trailer towing. b—Std. with C60. c—For Coupe and/or Convertible only. d—Extra-cost performance axle with heavy-duty shafts and Anti-Spin Rear Axle (G80); N.A. with C60 or Y72. e—Available only with G80. Note: C60 cannot be ordered with G92 on F-85, Cutlass models, 4-4-2, or Vista-Cruiser.

## SPECIFICATIONS

ENGINES	ACTION-LINE #	ROCKET 350 V-8			ROCKET 455 V-8					
		L46	L74	L38	L31	L32	4-4-2	W90	TORONADO	
<b>Availability</b>										
F-85	Standard	Standard	Available	—	—	—	—	—	—	—
Cutlass	Standard	Standard	Available	—	—	—	—	—	—	—
Cutlass S	Standard	Standard	Available	—	—	—	—	—	—	—
Cutlass Supreme	—	Available	Standard	—	—	Available ab	—	—	—	—
4-4-2	—	—	—	—	—	—	Standard	Available e	—	—
Vista-Cruiser	—	Standard	—	Available a	—	Available a	—	—	—	—
Delta 88	—	Standard	—	—	Available a	—	—	—	—	—
Delta 88 Custom	—	—	—	Standard a	Available a	—	—	—	—	—
Delta 88 Royale	—	—	—	Standard a	Available a	—	—	—	—	—
Custom Cruiser	—	—	—	Standard a	Available a	—	—	—	—	—
Ninety-Eight, Ninety-Eight Luxury	—	—	—	Standard a	Available a	—	—	—	—	—
Toronado Custom	—	—	—	—	Standard a	—	—	—	—	Standard
<b>Specifications</b>										
Gross horsepower at rpm	145 at 4200	242 at 4200	266 at 4600	280 at 4300	326 at 4400	320 at 4400	340 at 4600	390 at 4700	350 at 4600	
S.A.E. net hp at rpm—Single exhaust	110 at 3800	180 at 4000	180 at 4300	185 at 3800	225 at 3600	—	—	—	—	
—Dual exhausts	—	175 at 4000	200 at 4400	—	250 at 4200	—	—	—	—	
Gross torque at rpm (lb.-ft.)	230 at 2000	350 at 2400	360 at 2700	440 at 2300	460 at 2600	250 at 4200	270 at 4400	330 at 4700	275 at 4200	
S.A.E. net torque at rpm (lb.-ft.)—Single exhaust	185 at 2000	275 at 2400	275 at 2600	355 at 2600	360 at 2600	460 at 2600	460 at 3200	660 at 3200	460 at 2800	
—Dual exhausts	—	295 at 2600	300 at 3200	—	370 at 2800	370 at 2800	370 at 3200	610 at 3200	375 at 2800	
Displacement (cu. in.)	350	350	350	455	455	455	455	455	455	
Bore x stroke (in.)	3.875 x 3.530	4.057 x 3.385	4.057 x 3.385	4.170 x 4.250	4.170 x 4.250	4.170 x 4.250	4.170 x 4.250	4.170 x 4.250	4.170 x 4.250	
Cylinder arrangement	In-line 6	In-line 6	In-line 6	90° V-8	90° V-8	90° V-8	90° V-8	90° V-8	90° V-8	
Compression ratio (to 1)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	
Force-Air Induction System (WZS)	Not Available	Not Available	Available d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
Carburetor barrels (no.)	1	2	4	2	Not Available	Not Available	Not Available	Not Available	Not Available	
Full dual exhaust system (WZS)	Not Available	Available d	Available e	Not Available	Av. (H.A. Cruisers)	Std. (H.A. Cruisers)	Std. (H.A. Cruisers)	Std. (H.A. Cruisers)	Std. (H.A. Cruisers)	
Main bearings (no.) d/c, x total length (in.)	7/2, 300 x 5.820	5/2, 500 x 5.743	5/2, 500 x 5.743	5/3, 380 x 5.743	5/3, 380 x 5.743	5/3, 380 x 5.743	5/3, 380 x 5.743	5/3, 380 x 5.743	5/3, 380 x 5.743	
Valve arrangement	Overhead	Overhead	Overhead	Overhead	Overhead	Overhead	Overhead	Overhead	Overhead	
Valve head dia., intake/exhaust (in.)	1.720/1.500	1.875/1.562	1.875/1.562	2.000/1.625	2.000/1.625	2.000/1.625	2.000/1.625	2.000/1.625	2.000/1.625	
Fuel-tank capacity (gal.)—Cruisers	23	23	23	23	23	23	23	23	23	
—Other models	23	20 (25, Delta 88)	20 (25, Delta 88)	25	25	25	25	25	25	
Cooling system capacity (qt.)	12.2	15.9 (17.0, Delta 88)	17.0 (15.9, Vista-Cruiser)	17.0	17.0	17.0	17.0	17.0	17.0	
Crankcase oil capacity (qt.)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	4 (5, with filter)	
Battery (amp.-hr./no. plates)	44/54	62/66	62/66	73/78	73/78	73/78	73/78	73/78	73/78	
Defrosting (amp.)—Without air conditioner	37	37	37	42 (37, Vista-Cruiser)	42	42	42	42	42	
—With air conditioner	55	55	55	55	55	55	55	55	55	

a—Turbo Hydro-matic 400 Transmission (M40) required. b—Available in "SA" Performance Package (178) for Coupe and Convertible. c—Available in W90 Performance Package. d—Available in Cutlass S models. e—Available in above models; required with 3.42-in. Rear Axle.

DIMENSIONS	INTERMEDIATE MODELS										FULL-SIZE MODELS										CRUISERS																																				
	F-46		CUTLASS		CUTLASS S		CUTLASS SUPREME		4-4-2		DELTA 88		DELTA 88 CUSTOM		DELTA 88 ROYALE		NINETY-EIGHT		NINETY-EIGHT LUXURY		TORONADO	CUTLASS	VISTA-CRUISER		CUSTOM CRUISER																																
	Trn. Sed.	Trn. Sed.	Hip. Cpe.	Spl. Cpe.	Hip. Cpe.	Hip. Sed.	Hip. Cpe.	Conv.	Hip. Cpe.	Conv.	Trn. Sed.	Hip. Sed.	Hip. Cpe.	Trn. Sed.	Hip. Sed.	Hip. Cpe.	Hip. Cpe.	Conv.	Sed.	Cpe.	Sed.	Cpe.	Cpe.	2 Seat	2 Seat	3 Seat	2 Seat	3 Seat																													
	Trn. Sed.	Trn. Sed.	Hip. Cpe.	Spl. Cpe.	Hip. Cpe.	Hip. Sed.	Hip. Cpe.	Conv.	Hip. Cpe.	Conv.	Trn. Sed.	Hip. Sed.	Hip. Cpe.	Trn. Sed.	Hip. Sed.	Hip. Cpe.	Hip. Cpe.	Conv.	Sed.	Cpe.	Sed.	Cpe.	Cpe.	2 Seat	2 Seat	3 Seat	2 Seat	3 Seat																													
Overall Size																																																									
Length (in.)		207.6		203.8		207.6		203.6				220.2				226.1		219.9		213.3		218.3		225.3																																	
Width (in.)		76.3		76.8		76.8		76.8				79.5				79.0		79.8		76.8		79.5																																			
Loaded Height (in.)		53.5		52.9		52.5		52.9		53.2		52.9		53.2		54.3		54.6		54.1		54.7		54.4		57.2																															
Shipping Weight—V-8 model (lb.)		3426		3438		3398		3392		3398		3541		3410		3513		3588		3731		4126		4177		4097		4172		4207		4149		4191		4260		4467		4382		4504		4418		4522		3927		4163		4251		4886		5006	
Curb Weight—V-8 model (lb.)		3529		3642		3602		3496		3602		3645		3523		3617		3792		3835		4253		4305		4226		4300		4335		4277		4319		4394		4596		4510		4632		4548		4660		4049		4285		4373		5008		5128	
Interior Room																																																									
Front Seat—Headroom (in.)		38.5		37.9		38.1		37.7		38.5		37.7		38.5		38.3		38.0		38.3		38.3		38.9		38.9		38.9		38.9		38.1		38.4		38.0		38.4		38.0		39.6															
—Legroom (in.)		41.5		41.5		41.4		41.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4		42.4													
—Shoulder room (in.)		58.2		57.7		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2		58.2									
—Hiproom (in.)		59.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6		58.6									
Rear Seat—Headroom (in.)		37.1		36.3		37.1		36.3		36.9		36.9		36.9		38.0		37.4		37.0		38.0		37.4		37.0		38.1		38.2		38.1		37.1		38.3		40.3		38.4		38.4		38.4		38.4											
—Legroom (in.)		35.0		32.3		35.0		31.9		38.5		35.5		39.3		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5		35.5									
—Shoulder room (in.)		57.3		55.7		57.3		55.7		55.7		63.5		62.0		63.3		62.2		61.7		63.4		61.5		63.4		61.5		60.2		57.4		57.5		63.3		63.3		63.3		63.3		63.3		63.3											
—Hiproom (in.)		58.4		58.3		58.4		58.3		58.3		62.1		56.2		62.1		56.2		56.2		62.8		56.0		62.8		56.0		58.4		58.4		58.4		58.4		58.4		58.4		58.4		58.4		58.4											
Trunk Capacity (cu. ft.)		17.0		17.0		17.0		17.0		17.0		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1		20.1											
Cargo Capacity—Above-Rear (cu. ft.)		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—									
—Total (cu. ft.)		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—									
Chassis Dimensions																																																									
Wheelbase (in.)		116.0		112.0		116.0		112.0		112.0		124.0		124.0		124.0		127.0		127.0		122.3		116.9		121.0		127.0																													
Tread—Front (in.)		59.7		59.7		59.7		59.7		59.7		64.1		64.1		64.1		64.1		64.1		61.5		58.7		63.8		63.8		63.8		63.8		63.8		63.8		63.8		63.8		63.8		63.8		63.8											
—Rear (in.)		59.0		59.0		59.0		59.0		59.0		64.0		64.0		64.0		64.0		64.0		63.3		58.0		63.7		63.7		63.7		63.7		63.7		63.7		63.7		63.7		63.7		63.7		63.7											
Tire Size—Standard (in.)		F78 x 14		F78 x 14		F78 x 14		F78 x 14		G70 x 14		G78 x 15		G78 x 15		G78 x 15		G78 x 15		G78 x 15		H78 x 14		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15		H78 x 15													
—Available (in.)		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—											
Wheel Size—Standard (in.)		14 x 6		14 x 6		14 x 6		14 x 6		14 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6		15 x 6											
—Available (in.)		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—									
Brake Diameter (in.)		9.5		9.5		9.5		9.5		9.5		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0		11.0											
Turning Diameter (ft.)		41.2		40.0		41.2		40.0		40.0		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7		42.7											

## STANDARD EQUIPMENT AND FEATURES OF ALL MODELS

### EXTERIOR

**Body by Fisher**, Unisteel . . . with full corrosion protection, sealing, insulation  
**Bumpers**, Tri-Nickel-Plated  
**Doors**, Dual-Paneled . . . 2-stage front checks  
**Fender Inner Panels**, Thermoplastic Front-Finish, Magic-Mirror Acrylic Lacquer  
**Grilles**, Twin  
**Hood**, Counterbalanced Dual-Paneled  
**Hood Insulation**, Fiberglass (except F-85 Sedans and Cutlass Coupes and models with fiberglass hood)  
**Lamps**, Four Sealed-Beam Head-  
**Moldings**, Chrome Rear-Window (except Convertibles) and Windshield  
**Radio Antenna**, Windshield  
**Top**, Power . . . for all Convertibles  
**Trunk Lid**, Counterbalanced Dual-Paneled  
**Windows**, Curved-Glass . . . all around  
**Windshield Wipers**, Recessed-Park (except F-85 Sedans)

### INTERIOR

**Armrests**, Comfortable  
**Ashtray and Fusible-Link Cigar Lighter**  
**Floor Carpeting** (except F-85 Sedans and Cutlass Coupes)  
**Glove Compartment**, Key-Locked . . . with rotary latch  
**Heater and Defroster**, Air-Mix

**Interior**, Color-Keyed  
**Lamp Switches**, Front-Door Interior-  
**Locking**, Keyless Door  
**Locking System**, 2-Key Car  
**Seats**, Comfort-Contoured

### POWER TRAIN

**Air Pollution Control Systems**  
**Axle**, Hypoid Rear (except Toronado)  
**Battery**, 12-Volt Delco-Eye Energizer  
**Carburetor**, Factory-Tailored and Sealed  
**Delcotron**, Factory-Sealed  
**Drive Shaft**, One-Piece (except Toronado) . . . two needle-bearing universal joints  
**Engine**, High-Torque Regular-Fuel  
**Engine Combustion Control System** . . . with transmission-controlled spark advance  
**Engine-Cooling System**, Pressurized-Liquid . . . with cross-flow radiator  
**Engine Lubrication**, Full-Pressure . . . full-flow oil filter, positive crankcase ventilation  
**Engine Power System**, Rocket-Action . . . with Fire-Swirl Combustion Chambers, aluminum pistons, forged connecting rods, precision-balanced crankshaft  
**Engine Structure**, Precision-Cast . . . with lightweight block, heads, manifolds  
**Exhaust System**, Aluminized  
**Fuel Supply System**, Positive . . . with dual filters and air-cooled fuel line

**Ignition System**, All-Weather  
**Starter**, Positive-Shift High-Torque  
**Transmission**, Fully Synchronized 3-Speed Manual (Turbo Hydra-matic 400 in Ninety-Eight and Toronado models)

**Valve Trains**, Individual Overhead . . . with hydraulic valve lifters and positive valve rotators

### CHASSIS

**Body Mountings**, Vibra-Tuned Rubber  
**Brake**, Foot-Operated Parking  
**Brakes**, Self-Adjusting (Power Front Disc Brakes in 88, Ninety-Eight, Toronado, and Cruiser models)  
**Frame**, Torque-Beam . . . with full side rails and rugged torque boxes  
**Shock Absorbers**, Direct-Acting  
**Stabilizer Bar**, Front  
**Steering Gear**, Recirculating Ball-Nut (Power Steering in 88, Ninety-Eight, and Toronado models)  
**Steering Linkage**, Forged . . . with low-friction pivots, flexible shaft coupling  
**Suspension**, Pivot-Poise Ball-Joint Front and Twin-Triangle Rear (except Custom Cruiser)  
**Suspension Insulation**, Full-Rubber  
**Tires**, Low-Profile Tubeless Bias-Ply Belted . . . with tread wear indicators; precision-balanced with wheels



## STANDARD SAFETY FEATURES OF ALL MODELS

### OCCUPANT PROTECTION

Armrests, Safety-Styled

Cargo Guard (in trunk)

Console Door Latch Impact Security (in models with Sports Console)

Door Hinges, Stamped-Steel (at least one per door)

Door Latches, Hinges and Pillars, Safety

Door Locks, Passenger-Guard . . . with forward-mounted lock buttons

Fuel-Tank Impact Security

Glove Compartment Door Latch, Impact Security

Instrument Panel, Energy-Absorbing Padded

Lamps, Low-Profile Interior

Radiator Cap, Roto-Safe

Roof Rails, Contoured (except intermediate models and Convertibles)

Seat Backrest Latches, Folding-

Seat Backrest Tops, Energy-Absorbing. Padded . . . for front seats and second seats in Cruisers

Seat Head Restraints, Dual Front-

Seat Lap Belts with Pushbutton Buckles . . . for all passenger positions; with retractors for driver and right front passenger

Seat Retention, High-Strength Front-Seat Anchorages and Construction, and Rear-

Seat Shoulder Belt Anchorages for Rear-Seat Outboard Occupants

Seat Shoulder Belts with Pushbutton Buckles . . . for driver and right front passenger (except Convertibles)

Side-Guard Beams

Steering Column, Energy-Absorbing

Steering Wheel, Safety

Window Control Knobs and Coat Hooks, Soft Low-Profile

Window Regulator Handles, Smooth-Contoured Door

Windshield, Laminate

Windshield Header, Contoured (except intermediate models and Convertibles)

Windshield Pillar Moldings, Padded or Yielding

Windshield Sun Visors, Padded

### ACCIDENT PREVENTION

Brakes, Self-Adjusting

Brake Lines, Corrosion-Resistant

Brake System, Dual-Master-Cylinder

Brake System Warning Light

Flasher, 4-Way Hazard Warning

Hood Latches, Dual-Action Safety

Instrument-Panel Top, Low-Glare

Lamps, Twin Backup

Lamp Aiming Access Provision, Head-Lamps and Reflectors, Side-Marker . . . with front lamps that flash with turn signals

Lamps that Illuminate with Headlamps, Twin Parking

Mirror, Left-Hand Outside Rearview

Mirror, Wide-View Inside Day/Night Rearview . . . vinyl-edged, with shatter-resistant glass and deflecting support

Steering Wheel, Low-Glare

Transmission Quadrant, Uniform-Shift Turbo Hydra-matic . . . standard in Ninety-Eight and Toronado models

Turn-Signal Control Lane-Change Feature Wheels, Welded Steel . . . with safety rims and no winged projections

Windshield Defroster, Washers, and Dual-Speed Wipers . . . with low-glare wiper arms and blades

Windshield Inside Moldings, Low-Glare

### THEFT PREVENTION

Car Identification Number, Visible

Hood Latch, Interior-Operated (88 models, Ninety-Eight, and Toronado)

Ignition-Key Warning Buzzer, Anti-Theft

Key Combinations, Multiple Car-Speedometer Odometer, Tamper-Resistant . . . with telltale feature

Steering Column Lock, Anti-Theft

## MODEL PRICES...Full-Size Models

MODEL	MODEL CODE	MSRP <sup>a</sup>	DEST. CHG. <sup>b</sup>	TOTAL	LOCAL PRICE	MODEL	MODEL CODE	MSRP <sup>a</sup>	DEST. CHG. <sup>b</sup>	TOTAL	LOCAL PRICE
<b>DELTA 88</b>						<b>CUSTOM CRUISER</b>					
Town Sedan	5469	3770.00				2-Seat Model	6835	4539.00			
Hardtop Coupe	5457	3826.00				3-Seat Model	6845	4680.00			
Hardtop Sedan	5439	3888.00									
<b>DELTA 88 CUSTOM</b>						<b>NINETY-EIGHT</b>					
Town Sedan	6469	3966.00				Coupe	8437	4828.00			
Hardtop Coupe	6457	4059.00				Sedan	8439	4890.00			
Hardtop Sedan	6439	4134.00				Luxury Coupe	8637	5103.00			
						Luxury Sedan	8639	5197.00			
<b>DELTA 88 ROYALE</b>						<b>TORONADO CUSTOM</b>					
Hardtop Coupe	6647	4317.00				Coupe	9657	5499.00			
Convertible	6667	4325.00									

a. Manufacturer's Suggested Retail Price. Includes reimbursement for Federal Excise Tax and Suggested Dealer New Vehicle Preparation Charge.

b. Destination Charge. \$\_\_\_\_\_ higher on models equipped with an Air Conditioner (C60 or C61).

LIFT PAGE



- DELTA 88

- DELTA 88 CUSTOM

**MODEL PRICES** • DELTA 88 ROYALE

- CUSTOM CRUISER

- NINETY-EIGHT

- TORONADO

## PRINCIPAL REVISIONS SINCE SEPTEMBER 1970 ISSUE

**New Prices** — This printing incorporates the price changes for 1971 models effective Nov. 23, 1970.

**Revised Specifications** — Shipping weights and curb weights have been revised to reflect actual weights rather than estimated weights as originally released.

**Salesmen's Prices/Equipment  
Colors and Trims/Specifications**

Litho in U.S.A. • December, 1970



Oldsmobile reserves the right to make changes at any time, without notice, in prices, colors, materials, trim, equipment, specifications and models, and also to discontinue models.

Oldsmobile Division, General Motors Corporation, Lansing, Michigan



# 1971 OLDSMOBILE POWER TEAMS



**We took the lead out...**

**Left the performance in!**

# 1971 Oldsmobile Engine Specifications

ENGINES	TORONADO ROCKET 455 V-8	FORCE-AIR ROCKET 455 V-8 (W30)	CUTLASS SUPREME "SX" ROCKET 455 V-8 (L32)	4-4-2 ROCKET 455 V-8	NINETY-EIGHT ROCKET 455 V-8 (L31)	DELTA 88 CUSTOM AND ROYALE ROCKET 455 V-8 (L30)	CUTLASS SUPREME ROCKET 350 V-8 (L74)	INTERMEDIATE AND DELTA 88 ROCKET 350 V-8 (L85)	INTERMEDIATE ACTION-LINE L-6
Gross HP at rpm	350 at 4400	350 at 4700	320 at 4400	340 at 4600	320 at 4400	280 at 4000	260 at 4600	240 at 4200	145 at 4200
S.A.E. Net HP <sup>1</sup> at rpm	—	—	250 at 4200	—	225 at 3600	185 at 3600	180 at 4000	160 at 4000	110 at 3800
S.A.E. Net HP <sup>1</sup> at rpm (With Dual Exhaust System)	275 at 4200	300 at 4700	250 at 4200	270 at 4400	250 at 4200	—	200 at 4400	175 at 4000	—
Gross Torque at rpm—Lb.-Ft.	465 at 2800	460 at 3200	460 at 2800	460 at 3200	460 at 2800	445 at 2000	360 at 3200	350 at 2400	230 at 2000
S.A.E. Net Torque at rpm—Lb.-Ft.	—	—	370 at 2800	—	360 at 2600	355 at 2000	275 at 2800	275 at 2400	185 at 2000
S.A.E. Net Torque at rpm—Lb.-Ft. (With Dual Exhaust System)	375 at 2800	410 at 3200	370 at 2800	370 at 3200	370 at 2800	—	300 at 3200	295 at 2600	—
Displacement—Cu. In.	455	455	455	455	455	455	350	350	250
Bore & Stroke—In.	4.125x4.250	4.125x4.250	4.125x4.250	4.125x4.250	4.125x4.250	4.125x4.250	4.057x3.385	4.057x3.385	3.875x3.530
Compression Ratio	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1
Carburetor Barrels—No.	4	4	4	4	4	2	4	2	1
Exhaust System—Type	Full Dual	Full Dual	Full Dual****	Full Dual	Single (Dual, N10)	Single	Single (Dual, N10****)	Single (Dual, N10)	Single
Fuel-Tank Capacity—Gal.	25	20	20**	20	25**	25**	20**	20**	20**
Crankcase Oil Capacity—Qt.	5*	4*	4*	4*	4*	4*	4*	4*	4*
Cooling-System Capacity—Qt.	18.4	17.0	17.0	17.0	17.0	17.0	15.9	15.9*****	12.2

<sup>1</sup>As Installed. \*1 Qt. more with Filter. \*\*23 Gal. in Cruisers; 25 Gal. in Delta 88. \*\*\*\*Dual Exhaust required when 3.42-to-1 Rear Axle is ordered with L74. \*\*\*\*\*Single in Cruisers. \*\*\*\*\*17.0 Qt. in Delta 88.

## ENGINE AVAILABILITIES

Toronado	S	—	—	—	—	—	—	—	—
Ninety-Eight	—	—	—	—	S	—	—	—	—
Custom Cruiser	—	—	—	—	A	S	—	—	—
Delta 88 Royale	—	—	—	—	A	S	—	—	—
Delta 88 Custom	—	—	—	—	A	S	—	—	—
Delta 88	—	—	—	—	A	A	—	S	—
Vista-Cruiser	—	—	A	—	—	A	—	S	—
4-4-2	—	A	—	S	—	—	—	—	—
Cutlass Supreme	—	—	A	—	—	—	S	A	—
Cutlass S	—	—	—	—	—	—	A	S	S
Cutlass	—	—	—	—	—	—	A	S	S
F-85	—	—	—	—	—	—	A	S	S

S—Standard; A—Available.

## OLDSMOBILE REDUCES POLLUTION . . . NOT PERFORMANCE

Oldsmobile engineers have designed Power Teams that reduce pollution without substantially affecting car performance.

1971. The year that Oldsmobile met the challenge of no-lead, low-lead gasolines and produced Power Teams that deliver all the performance Olds owners could possibly want.

Eight Rocket V-8s with horsepower (as installed S.A.E. net) ranging from 160 to 300 at a compression ratio of 8.5-to-1. And a sweet-running Action-Line 6. All tuned to perform on no-lead, low-lead or regular fuels, resulting in measurably

longer engine-component life, and a lower emission level. Six husky, fully synchronized, manual transmissions topped by the new Close-Ratio "Rock Crusher" 4-Speed Heavy-Duty. And, of course, Oldsmobile's ultra-smooth Turbo Hydra-matics. Automatic transmissions that team with any Olds engine.

Plus a wide range of available axle ratios for customized driving in any situation.

In 1971, Olds Power Teams will take on a new significance for Oldsmobile buyers. We're ready.

## **LOW-LEAD GASOLINES AND 1971 OLDSMOBILE PERFORMANCE**

For 1971, all Oldsmobile engines have been designed to operate efficiently on the new low-lead gasolines. In addition to the lower exhaust emissions attainable with this engine/fuel combination, there are benefits in longer life for spark plugs, exhaust system and other engine components. If these no-lead, low-lead gasolines are not available, any leaded regular-grade gasoline with a Research Octane Number of 91 or higher may be used. This changeover was accomplished primarily by establishing an 8.5-to-1 compression ratio for all Oldsmobile engines.

## **OLDSMOBILE'S NEW KIND OF HORSEPOWER RATING FOR 1971**

For the 1971 engines, and hereafter, Oldsmobile has decided to adopt as installed S.A.E. Net Horsepower Ratings, instead of the former Gross Horsepower Ratings. A "net" rating represents the performance of a fully equipped engine as installed in a car, whereas a "gross" rating indicates the performance of a bare engine on a dynamometer.

On the page below, therefore, is a comparison of Gross and S.A.E. Net Horsepower Ratings for most of the 1971 Oldsmobile engines.

When you compare these Gross and Net Horsepower Ratings for the same engine, there would appear to be a considerable reduction in power reflected in the new ratings. This, however, is more apparent than real.

Oldsmobile has compensated for this apparent reduction by installing new exhaust systems, axle ratios, carburetor sizes and calibration, as well as new valving and valve sizes, transmission shift points and spark timing. These all add up to performance that Olds engineers are confident will enable 1971 Oldsmobiles to compare very favorably with their 1970 counterparts.

To summarize: Oldsmobile's former (Gross) ratings reflected the maximum horsepower of a "bare" engine equipped only with built-in accessories essential to its operation.

Oldsmobile's new (Net) ratings show, instead, the "as installed" horsepower actually delivered to the transmission by an engine fully equipped with all the accessories necessary to perform its intended functions unaided, such as air cleaner, exhaust system, generator, and starter.



<b>STANDARD V-8 ENGINES</b>	<b>GROSS HP 1971</b>	<b>S.A.E. NET HP 1971</b>
Rocket 455 V-8—4 bbl. (Toronado)	350	275*
Rocket 455 V-8—4 bbl. (Ninety-Eight)	320	225 (250*)
Rocket 455 V-8—2 bbl. (88 Models)	280	185
Rocket 455 V-8—4 bbl. (W30)	350	300*
Rocket 455 V-8—4 bbl. (4-4-2)	340	270*
Rocket 350 V-8—4 bbl. (Cutlass Supreme)	260	180 (200*)
Rocket 350 V-8—2 bbl. (Other Intermediates)	240	160 (175*)

\*With Dual Exhaust System

**POWER TEAMS**  
**FULL-SIZE MODELS**

**AUTOMATIC TRANSMISSIONS**

**FULLY SYNCHRONIZED  
MANUAL TRANSMISSION**

**TURBO  
HYDRA-MATIC  
400  
(M40)\***

Ratios:  
First.....2.48:1  
Second.....1.48:1  
Third.....1.00:1  
Reverse.....2.08:1

**TURBO  
HYDRA-MATIC  
350  
(M38)**

Ratios:  
First.....2.52:1  
Second.....1.52:1  
Third.....1.00:1  
Reverse.....1.93:1

**3-SPEED  
COLUMN-  
SHIFT  
(STD. V-8)\*\***

Ratios:  
First.....2.42:1  
Second.....1.61:1  
Third.....1.00:1  
Reverse.....2.33:1

**MODELS**

**ENGINES**

**AXLES FOR ABOVE TRANSMISSIONS**

**TORONADO**

**ROCKET**  
455 V-8 (STD.)

3.07:1 (Std.)

N.A.

N.A.

**NINETY-  
EIGHT**

**ROCKET**  
455 V-8 (STD.)

2.73:1 (Std.)  
2.93:1 (G94)<sup>a</sup>

N.A.

N.A.

<b>CUSTOM CRUISER</b>	<b>ROCKET</b> 455 V-8 (L31)	2.93:1 (Std.) 3.42:1 (G92) <b>a</b>	N.A.	N.A.
	<b>ROCKET</b> 455 V-8 (STD.)	2.93:1 (Std.) 3.42:1 (G92) <b>a</b>	N.A.	2.93:1 (Std.)
<b>DELTA 88 ROYALE, DELTA 88 CUSTOM, DELTA 88</b>	<b>ROCKET</b> 455 V-8 (L31)	2.73:1 (Std.) 2.93:1 (G94) <b>a</b>	N.A.	N.A.
	<b>ROCKET</b> 455 V-8 (STD.; L30, DELTA 88)	2.56:1 (Std.) 2.73:1 (G93) 2.93:1 (G94) <b>a</b> 3.08:1 (G90)	N.A.	3.08:1 (Std.)
	<b>ROCKET</b> 350 V-8 (STD. DELTA 88)	N.A.	2.93:1 (G94) <b>ab</b> 3.08:1 (Std.)	3.08:1 (Std.)

\*Standard in Toronado and Ninety-Eight models. \*\*Standard in Custom Cruiser and 88 models. **a**—For performance or trailer towing. **b**—Available only with Anti-Spin Rear Axle (G80).

**POWER TEAMS**  
**INTERMEDIATE MODELS**

**AUTOMATIC  
TRANSMISSION**

**TURBO  
HYDRA-MATIC  
400  
(M40)**

**Ratios:**  
First.....2.48:1  
Second.....1.48:1  
Third.....1.00:1  
Reverse.....2.08:1

**4-SPEED  
FLOOR-SHIFT  
WIDE-RATIO  
(M20)**

**Ratios:**  
First.....2.52:1  
Second.....1.88:1  
Third.....1.46:1  
Fourth.....1.00:1  
Reverse.....2.60:1

**FULLY SYNCHRONIZED MANUAL TRANSMISSIONS**

**4-SPEED  
FLOOR-SHIFT  
CLOSE-RATIO  
(M22)**

**Ratios:**  
First.....2.20:1  
Second.....1.64:1  
Third.....1.28:1  
Fourth.....1.00:1  
Reverse.....2.27:1

**HEAVY-DUTY  
3-SPEED  
FLOOR-SHIFT  
(M14)\*\***

**Ratios:**  
First.....2.42:1  
Second.....1.61:1  
Third.....1.00:1  
Reverse.....2.33:1

**3-SPEED  
COLUMN-  
SHIFT-  
(STD. V-8)**

**Ratios:**  
First.....2.54:1  
Second.....1.50:1  
Third.....1.00:1  
Reverse.....2.63:1

**MODELS**

**ENGINES**

**AXLES FOR ABOVE TRANSMISSIONS\***

**ROCKET  
455 V-8 (L32)**

2.56:1 (Std.)  
2.73:1 (G93)  
3.08:1 (G90)<sup>a</sup>

N.A.

N.A.

N.A.

N.A.



<b>VISTA-CRUISER</b>	<b>ROCKET 455 V-8 (L30)</b>	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) <sup>a</sup>	N.A.	N.A.	N.A.	N.A.
	<b>ROCKET 350 V-8 (STD.)</b>	3.08:1 (Std.) 3.23:1 (G91)	N.A.	N.A.	N.A.	3.23:1 (Std.)
<b>4-4-2</b>	<b>FORCE-AIR ROCKET 455 V-8 (W30)</b>	3.23:1 (Std.) <sup>b</sup> 3.42:1 (Std.) <sup>d</sup> 3.73:1 (G89) <sup>e</sup>	3.42:1 (Std.) <sup>d</sup> 3.73:1 (G89) <sup>e</sup>	3.42:1 (Std.) <sup>d</sup> 3.73:1 (G89) <sup>e</sup>	N.A.	N.A.
	<b>4-4-2 ROCKET 455 V-8 (STD.)</b>	2.56:1 (G96) 2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92) <sup>d</sup>	3.42:1 (Std.) <sup>d</sup>	3.23:1 (Std.) <sup>b</sup> 3.42:1 (Std.) <sup>d</sup>	3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92) <sup>d</sup>	N.A.

\*—In addition to factory-installed axles listed below, dealer-installed axles with 4.10:1, 4.66:1, and 5.00:1 ratios are available for intermediate V-8 power teams (except Cruisers) except with Air Conditioner (C60) or Heavy-Duty Engine-Cooling Equipment (Y72). These ratios are not recommended for city or highway use. \*\*Standard in 4-4-2 models. <sup>a</sup>—For trailer towing. <sup>b</sup>—Standard with Air Conditioner (C60). <sup>c</sup>—Extra-cost performance axle with heavy-duty shafts; includes heavy-duty radiator; N.A. with C60 or Y72. <sup>d</sup>—Extra-cost performance axle with heavy-duty shafts; includes heavy-duty radiator; included when Anti-Spin Rear Axle (G80) is ordered. N.A. with C60 or Y72.

**POWER TEAMS**  
**INTERMEDIATE MODELS**  
 (Continued)

**AUTOMATIC TRANSMISSIONS**

**TURBO  
HYDRA-MATIC  
400  
(M40)**

Ratios:  
 First.....2.48:1  
 Second.....1.48:1  
 Third.....1.00:1  
 Reverse.....2.08:1

**TURBO  
HYDRA-MATIC  
350  
(M38)**

Ratios:  
 First.....2.52:1  
 Second.....1.52:1  
 Third.....1.00:1  
 Reverse.....1.93:1

**FULLY SYNCHRONIZED MANUAL TRANSMISSIONS**

**4-SPEED  
FLOOR-SHIFT  
WIDE-RATIO  
(M20)**

Ratios:  
 First.....2.52:1  
 Second.....1.88:1  
 Third.....1.46:1  
 Fourth.....1.00:1  
 Reverse.....2.60:1

**HEAVY-DUTY  
3-SPEED  
FLOOR-SHIFT  
(M14)**

Ratios:  
 First.....2.42:1  
 Second.....1.61:1  
 Third.....1.00:1  
 Reverse.....2.33:1

**3-SPEED  
COLUMN-  
SHIFT  
(STD. V-8)**

Ratios:  
 First.....2.54:1  
 Second.....1.50:1  
 Third.....1.00:1  
 Reverse.....2.63:1

**3-SPEED  
COLUMN-  
SHIFT  
(STD. L-6)**

Ratios:  
 First.....2.85:1  
 Second.....1.68:1  
 Third.....1.00:1  
 Reverse.....2.95:1

**MODELS**

**ENGINES**

**AXLES FOR ABOVE TRANSMISSIONS\***

**ROCKET  
455 V-8 (L32)**

2.56:1 (Std.)e  
 2.73:1 (G93)e  
 3.08:1 (G90)e  
 3.23:1 (G91)e  
 3.42:1 (G92)ac

N.A.

N.A.

N.A.

N.A.

N.A.

**CUTLASS  
SUPREME**

**ROCKET  
350 V-8 (STD.)**

N.A.

2.56:1 (Std.)  
 2.73:1 (G93)  
 3.08:1 (G90)a  
 3.23:1 (G91)

3.23:1 (Std.)e  
 3.42:1 (G92)ed

2.73:1 (G93)e  
 3.08:1 (G90)e  
 3.23:1 (Std.)e  
 3.42:1 (G92)e

2.73:1 (G93)  
 3.08:1 (G90)  
 3.23:1 (Std.)  
 3.42:1 (G92)d

N.A.

	<b>ROCKET 350 V-8 (L65)</b>	N.A.	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) <sup>a</sup> 3.23:1 (G91)	N.A.	N.A.	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.)	N.A.
<b>CUTLASS S, CUTLASS, F-85</b>	<b>ROCKET 350 V-8 (L74)</b>	N.A.	2.56:1 (G96) 2.73:1 (Std.) 3.08:1 (G90) <sup>a</sup> 3.23:1 (G91)	3.23:1 (Std.) <sup>c</sup> 3.42:1 (G92) <sup>cd</sup>	2.73:1 (G93) <sup>c</sup> 3.08:1 (G90) <sup>c</sup> 3.23:1 (Std.) <sup>c</sup> 3.42:1 (G92) <sup>cd</sup>	2.73:1 (G93) 3.08:1 (G90) 3.23:1 (Std.) 3.42:1 (G92) <sup>d</sup>	N.A.
	<b>ROCKET 350 V-8 (STD.)</b>	N.A.	2.56:1 (Std.) 2.73:1 (G93) 3.08:1 (G90) <sup>a</sup> 3.23:1 (G91)	N.A.	N.A.	2.73:1 (G93) 3.08:1 (Std.) 3.23:1 (G91)	N.A.
	<b>ACTION-LINE 6 (STD.)</b>	N.A.	2.73:1 (Std.) 3.08:1 (G90) <sup>b</sup> 3.23:1 (G91)	N.A.	N.A.	N.A.	2.73:1 (Std.) 3.08:1 (G90) <sup>b</sup> 3.23:1 (G91)

\*—In addition to factory-installed axles listed below, dealer-installed axles with 4.10:1, 4.66:1, and 5.00:1 ratios are available for intermediate V-8 power teams (except Cruisers) except with Air Conditioner (C60) or Heavy-Duty Engine-Cooling Equipment (Y72). These ratios are not recommended for city or highway use. <sup>a</sup>—For trailer towing. <sup>b</sup>—Standard with Air Conditioner (C60). <sup>c</sup>—For Coupe only. <sup>d</sup>—Extra-cost performance axle; includes heavy-duty radiator, heavy-duty axle shaft. Also included when Anti-Spin Rear Axle (G80) is ordered. N.A. with C60 or Y72.

# Oldsmobile

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**ALWAYS A STEP AHEAD**

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LITHO IN U.S.A., 1970

Oldsmobile reserves the right to make changes at any time, without notice, in colors, materials, trim, equipment, specifications and models, and also to discontinue models.





**1971**

000025473

# **OLDSMOBILE Inspector's Guide**

**F-85 - 88 - 98  
SERIES**



This information does not supersede any Engineering Releases. It compiles releases prior to August 12, 1970.

# 1971 BODY STYLE CODES

Series	Oldsmobile Series Code	Description	Body Style	Broad. Code
F-85 Standard L-6	3100	Four Door Sedan	69	3169
		Hardtop Coupe - Cutlass	87	3187
F-85 Standard V-8	3200	Four Door Sedan	69	3269
		Hardtop Coupe - Cutlass	87	3287
Cutlass L-6 Engine	3500	Station Wagon - 2 Seat	36	3536
		Four Door Sedan	69	3569
		Club Coupe	77	3577
		Hardtop Coupe	87	3587
Cutlass V-8 Engine	3600	Station Wagon - 2 Seat	36	3636
		Four Door Sedan	69	3669
		Club Coupe	77	3677
		Hardtop Coupe	87	3687
Cutlass Supreme	4200	Four Door Hardtop Sedan	39	4239
		Hardtop Coupe	57	4257
		Convertible	67	4267
F-85 442	4400	Convertible	67	4467
		Hardtop Coupe	87	4487
Vista Cruiser	4800	Station Wagon - 2 Seat Extended	56	4856
		Station Wagon - 3 Seat Extended	66	4866
Delta 88	5400	Hardtop Coupe	57	5457
		Holiday Sedan	39	5439
		Town Sedan	69	5469
Delta 88 Custom	6400	Hardtop Coupe	57	6457
		Holiday Sedan	39	6439
		Town Sedan	69	6469
Delta 88 Royale	6600	Hardtop Coupe	47	6647
		Convertible	67	6667
Delta 88 Station Wagon	6800	Station Wagon - 2 Seat	35	6835
		Station Wagon - 3 Seat	45	6845
Ninety Eight	8400	Holiday Sport Sedan	39	8439
		Hardtop Coupe	37	8437
Ninety Eight Luxury	8600	Luxury Sedan Hardtop	39	8639
		Hardtop Coupe	37	8637
Short Sill	8800	Ambulance	40	8840
		Hearse	90	8890

# INDEX

Air Cleaners and Label Codes	31
Axle Codes	7
Battery Codes	32
Delcotrons	33
Engine Identification Codes	16, 17
Engine Spec. Labels	15
Frames	2
IBM Accessory Codes	18, 19
Instrument Cluster Codes	34
Master Cylinder and Boosters	11
Optional Equipment - F-85	20-26
Optional Equipment - 88-98	27-30
Propeller Shafts	9
Radiator Codes	35
Shock Absorbers	6
Speedo Gear Codes	10
Stabilizer Shafts	4, 5
Steering Knuckle Shop Assembly	3
Tire Codes	12, 13
Tire Pressure Labels	14
Transmissions	8

# 1971 FRAMES

## F-85

Part No.	Code	Usage
3992389	CS	67's
3992390	CT	3536, 3636
3992387	CP	39's, 69's
3992388	CR	57, 77, 87
409176	GX	4800

## 88 & 98

Part No.	Code	Usage
3977206	AD	5400, 6400, 6647
3977207	AE	6667
3988275	AK	6800
3977209	AH	8400, 8600

Ref.: PIM 2-100



# 1971 STEERING KNUCKLE SHOP ASM. CODES

Series	Group	Part Number	Code
F-85 Exc. 3536, 3636, 4800	Std.	408600-1	OB
	JL2	408602-3	OM
	W30 - JL2	408608-9	OP
3536, 3636, 4800	JL2 Mand.	408602-3	OM
B/C	Std.	3961259-60	DH
	J55	3988563-4	DC
B/C & 8860	Note: For J55 use 3961259-60 until 3988563-4 become available. Front disc shoes must be changed.		
8860 Short Sill	J55 Mand.	3988563-4	DC

Ref. PIM 3:94 & 3:95

## 1971 FRONT STABILIZER SHAFTS

Series - Models	Usage	Broad. Code	Part No.
3100 - All 3500 - All	Std.	D	398498
	F41	C	398499
3200, 3600, 4200 - Exc. 4267	Std.	C	398499
	F41	E	399924
	FE2	E	399924
4400, 4267	All	E	399924
4800	All	F	401194
88 & 98 Exc. 6800 6800	Std.	A	3964067
	Std.	B	3993657

Ref. PIM 3:100 & 102

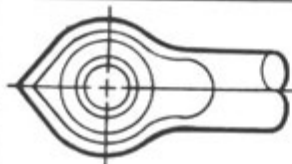
## 1971 REAR STABILIZER SHAFTS

Series	Usage	Broad. Code	Part No.
3200, 3600, 4200 57, 67, 77, 87	FE2	I	394926
4400	All	I	394926

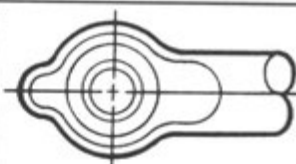
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# 1971 FRONT STABILIZER IDENTIFICATION

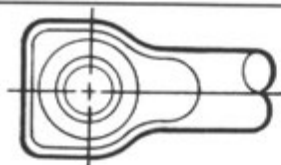
## F-85



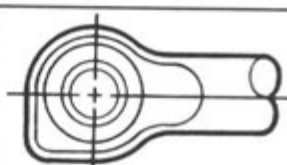
(D) 398498



(E) 399924

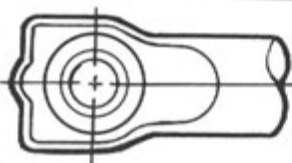


(C) 398499

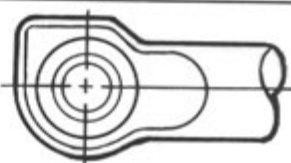


(F) 401194

## 88-98



(B) 3993657



(A) 3964067

Ref: PIM 3:100 & 102

# 1971 SHOCK ABSORBERS

F-85 Front

Series	Std.	FG2/F41	FE2
F-85 Exc. 4400, 4800	CM	DD	RZ
4400	RZ	-	-
4800	CP	DD	-

F-85 Rear

Series	Std.	FG2/F41	G66 & M40 on 4400	FE2
F-85 Exc. Sta. Wag. & 4400	CR	DE	ZB	WE
3536, 3636	SB	DE	ZB	-
4400	WE	-	ZB	-
4800	CV	DF	ZD	-

Ref. PIM 0:34

88-98 Front

Series	Std.	FG2/F41
5400, 6400, 6600	HE (1) KS (2)	KB
6800	HJ	LE
8400, 8600	HG	KB

(1) 400# Load Spring (BR/BS/BT/BW/BX/BY)

(2) 330/365 Load Spring (YI/YR/GL/GM/BA/BB/BG/BH/BJ/BK/BL)

88-98 Rear

Series	Std.	FG2/F41	G66
5400, 6400, 6600	HE	KC	KK
6800	HK	LF	LJ
8400, 8600	HK	LF	LJ

Ref.: AEO 71-74 Supp. 3



# 1971 REAR AXLE CODES

F-85

Series	Axle Ratio ↓ Diff. Type →	Axle Codes		
		Std.	G80	W30
F-85 Exc. 4800	2.56	R2	R3	-
	2.73	SA	SB	-
	3.08	SC	SD	-
	3.23	SR	SS	-
	3.42	SE	SH	-
4400	3.42	-	-	TM
	3.73	-	-	TO
4800	2.56	SI	ST	-
	2.73	TA	TB	-
	3.08	SM	SN	-
	3.23	TG	TH	-

88 - 98

Series	Engine	Axle Ratio							
		Standard					G-80		
		2.56	2.73	2.93	3.08	3.42	2.73	2.93	3.42
5400 Exc. J55	350 - 2 BBL				NA			QJ	
	455 - 2 BBL	ND	NK		NA		QS	QJ	
	455 - 4 BBL		QP	QI			QS	QJ	
6400 Exc. J55	455 - 2 BBL	ND	NK		NA		QS	QJ	
	455 - 4 BBL		QP	QI			QS	QJ	
6600 Exc. J55	455 - 2 BBL	ND	NK		NA		QS	QJ	
	455 - 4 BBL		QP	QI			QS	QJ	
6800 Wagon	455 - 2 BBL			QE		QH		QL	QM
	455 - 4 BBL			QE		QH		QL	QM
8400 & 8600	455 - 4 BBL		QP	QI			QS	QJ	
54, 64, 66, 84, 86, with J55	All			QU				QV	
8860	455 - 4 BBL			QE				QL	

Ref. PIM 4:93

# 1971 TRANSMISSIONS

F-85

Transmission Type		Usage	Code
3 Speed SM	M15	L6	R3
		3200, 3600, 4200, 4800	R4
	M14	3200, 3600, 4200 Exc. L65 or L32	RM
		4400	RM
4 Speed SM	M20	3200, 3600 With L74	WT
		4200 Exc. L65 or L32	WT
		4400	WT
	M22	4400	WO
Turbo 350	M38	L6	JE
		3200, 3600, 4200 Exc. G90 or G91	LA
		3200, 3600, 4200 With G90 or G91	MA
Turbo 400	M40	4200 With L32	OD
		4400 Exc. W30	OG
		4400 With W30	OW
		4800 With L32	OK
		4800 With L30	OR
		4800 Exc. L30/L32	OA

88 - 98

Transmission Type		Usage	Code
3 Speed SM	M15	All 88's	DA
Turbo 350	M38	5400	LL
Turbo 400	M40	88's & 98's With N10	OK
		88's & 98's Exc. N10	OR

Ref. PIM 7:98

# 1971 PROPELLER SHAFTS

Series	Trans.	Broad. Code	Part No. (Color Stripes)
F-85 Coupes	Syn. Exc. M20 or M22	A	7810902 (1 Black & 1 Yellow)
	M38 (V8)	E	7810906 (1 Purple)
4400 or (4200 & Y79)	M40	H	7811654 (1 Yellow & 1 Green)
V8 Coupes	M20 or M22	D	7810904 (1 Red)
F-85 Sedans	Syn.	B	7810899 (2 Red)
	M38 (V8)	F	7810905 (2 Purple)
4800	Syn. (M15)	C	7810907 (1 Yellow & 1 Brown)
	M40	I	7810909 (1 Yellow & 1 Blue)
5400	M38	K	7808670 (3 Black)
5400 6400 6600	M40	L	7808669 (1 Black)
	M15	R	7810422 (3 Green)
6800	M15	S	7810424 (1 Black & 1 Green)
	M40	M	7810661 (1 Black & 1 Blue)
8400 8600	M40	N	7808668 (2 Black)

Ref. PIM 4:100

# 1971 F-85 SPEEDO GEAR CODES

Trans. Type	Speedo Driven Gear		Broadcast Code	
	Part No.	Teeth	1st Digit Gear Code	2nd Digit Adapter Code
Auto.	1359270	36	A	A 540180 (.6190) Orange
	1359271	37	B	B 535613 (.6944) Gray
	1359272	38	C	C 535614 (.7333) Red
	1359273	39	D	D 535615 (.7892) Yellow
	1362048	40	E	E 535617 (.8653) Blue
	1362049	42	F	F 395430 (.8660) Blue
	1362195	41	G	G 540474 (1.1250) No Color
	1362196	43	H	H 395431 (1.1329) No Color
	9774413	34	J	I 9775739 (1.2029) Black & White
	9775187	45	K	J 401539 (1.2720) Green
	9780387	35	L	K 540183 (.7222) Lt. Blue
	9780470	44	M	L 406755 (.6660) Dk. Brown
F-85 SM	3987917	17	O	M 406754 (.7330) Red
	3987918	18	1	N 396338 (.7850) Yellow
	3987919	19	2	
	3987920	20	3	
	3987921	21	4	
B/C SM	538359	18	5	
	538360	19	6	
	538361	20	7	
	537166	21	8	

Ref: PIM 7:80-7:85



# 1971 MASTER CYLINDERS AND BOOSTERS

## F-85

Usage	Master Cyl.	Code	Booster	Code
Manual Drum	5471632	FM		
J50 (Power)	5471633	UD	5471940	UD
JL2 (Disc)	5471659	WK	5471944	WK
Man. Disc (W30)	5470622	NX		
Station Wagons	5471659	WK	5471944	WK

## 88 - 98

Usage	Master Cyl.	Code	Booster	Code
88's Exc. 6800 Exc. J55	408215	XB	408216	XB
88's With J55 All 98's & 6800	5471659	WK	5471361	BB

Ref: PIM 5:100

## Brake Combination Valve Codes

Usage	JL2	J55	W30-JL2
F-85 Exc. 3536, 3636, 4800	S	-	L
3536, 3636, 4800	X	-	-
88's & 98's Exc. 6800	P	S	-
6800	X	-	-

Ref: F-85 5:106 B-C 5:104

# 1971 F-85 TIRE IDENTIFICATION CODES

Series	Export Option	Domestic or Export												
	P16	Y19 Exc. C60	PX8	PK5	P26 & C60	P26 & Y19 Exc. C60	P26 & FE2 Exc. C60	P26 Exc. C60, FE2, Y19	P26 Exc. C60, FE2	P26 Exc. C60	P26 All	FE2 Exc. C60	C60	Std.
3189	JTCH	--	--	--	--	--	--	--	--	--	K1DF	--	--	K1DB
3187	JTCH	--	L8DM	L8DS	--	--	--	--	--	--	K1DF	--	--	K1DB
3269	JTCH	--	--	--	K2DF	--	--	--	--	K1DF	--	--	K2DB	K1DB
3287	JTCH	--	L8DM	L8DS	K2DF	--	K2DF	--	K1DF	--	--	K2DB	K2DB	K1DB
3536	JUCH	--	--	--	--	--	--	--	--	--	K3DF	--	--	K3DB
3569	JTCH	--	--	--	--	--	--	--	--	--	K1DF	--	--	K1DB
3577 3587	JTCH	--	L8DM	L8DS	--	--	--	--	--	--	K1DF	--	--	K1DB
3636	JUCH	--	--	--	--	--	--	--	--	--	K3DF	--	--	K3DB
3669	JTCH	--	--	--	K2DF	--	--	--	--	K1DF	--	--	K2DB	K1DB
3677 3687	JTCH	--	L8DM	L8DS	K2DF	--	K2DF	--	K1DF	--	--	K2DB	K2DB	K1DB
4239	JTCH	--	--	--	K2DF	--	--	--	--	K1DF	--	--	K2DB	K1DB
4257 4267	JTCH	K2DB	L8DM	L8DS	K2DF	K2DF	K2DF	K1DF	--	--	--	K2DB	K2DB	K1DB
4400	JTCH	--	--	L8DS	--	--	--	--	--	--	--	--	--	L8DM
4800	JUCH	--	--	--	--	--	--	--	--	--	K3DF	--	--	K3DB

-- Indicates That The Conditions Shown Are Not Available.

Code	Tire Size	Wall Color
K1DB	F78 x 14	Black
K1DF	F78 x 14	White
K2DB	G78 x 14	Black
L8DS	G70 x 14	Black
K2DF	G78 x 14	White
L8DM	G70 x 14	White
K3DB	H78 x 14	Black
K3DF	H78 x 14	White
JTCH	8.25 x 14	White
JUCH	8.55 x 14	White

## Special Tires

L8DS - G70 x 14 Wide Oval B/W With White Raised Letters (PK5)  
L8DM - G70 x 14 Wide Oval White Stripe (PX8)

P16 Is Export Option

P26 Is White Wall Tire

PK5 Is Black Wall Super Sport Wide Oval Tire With White Raised Letters

PX8 Is Wide Oval White Stripe Tire

Ref. P1M 10:20

# 1971 88 - 98 TIRE IDENTIFICATION CODES

SERIES	DOMESTIC OR EXPORT			EXPORT
	QC6	P26	Std.	P16
5400 6400 6600	--	KADF	KADB	J4CH
8400 8600	--	KBDF	KBDB	J4CH
6800	--	KCC4	KCC3	--
8860	H4CT	--	--	--

-- Indicates That Conditions Shown  
Are Not Available.

## Blackwall (Std.)

KADB- H78 x 15  
KBDB- J78 x 15  
KCC3 - L78 x 15 SWS

## Whitewall (P26)

KADF - H78 x 15  
KBDF - J78 x 15  
KCC4 - L78 x 15 SWS

## Special Tires

J4CH - 8.85 x 15 Nylon Custom Power Cushion W/W (P16)  
H4CT - 8.90 x 15 6-Ply 8-Ply Rating W/W (QC6) (S/S Cowl)

P16 Is Export Option Whitewall Nylon Tire  
P26 Is Whitewall Tire Option  
QC6 Is Whitewall 8.90 x 15 6-Ply 8-Ply  
Rating Tire (Short Sill Cowl Jobs)

Ref. PIM 10:90

## 1971 TIRE PRESSURE LABELS

Series	Usage	Identification Code	Broadcast Code
F-85 Exc. SWS	All	OB	B
SWS 3536 & 3636 & 4800	All	OC	C
88's & 98's Exc. 6800	All	OF	F
6800	All	OD	D

## 1971 CONSUMER INFORMATION

Series	Usage	Book Code	Data Punch
3100/3500	Exc. Disc	1	A
Exc. 3536	With Disc	2	A
3200/3600	Exc. Disc	1	B
Exc. 3636	With Disc	2	B
4200 Exc. Y79	Exc. Disc	1	B
Y79	Exc. Disc	1	C
4200 Exc. Y79	With Disc	2	B
Y79	With Disc	2	C
4400 Exc. W30	Exc. Disc	1	C
4400/W30	With Disc	2	C
3536	Disc Mand.	3	A
3636 & 4800	Disc Mand.	3	B
88 Exc. 6800	All	4	-
98's	All	5	-
6800	All	6	-

Ref. AEO 71-527



# 1971 ENGINE SPECIFICATION LABELS

F-85

Series	Usage	Identification Code	Broadcast Code
3100, 3500	Std.	AN	N
3200, 3600	Std.	OA	A
	L74	OB	B
4200	Std.	OB	B
	L32	OG	G
	L65	OA	A
4400	Std.	OD	D
	C60	OD	D
	M40 & C60	OK	K
	M40, C60 & W30	OL	L
	W30	OE	E
4800	Std.	OA	A
	L30	OF	F
	L32	OG	G

88 & 98

Series	Usage	Identification Code	Broadcast Code
5400	Std.	OA	A
	L30	OF	F
	L31	OG	G
	M15	OA	A
6400, 6600, 6800	Std.	OF	F
	L31	OG	G
	M15	OJ	J
8400, 8600	All	OG	G

Ref: PIM 0:110  
6-1:80

# 1971 F-85 ENGINE IDENTIFICATION CODES

Engine Class.	Trans. Type	Code	Usage					
			3100 3500 (L6 Eng.)	3200	3600	4200	4400	4800
350 Ccu. In.	L6	SM	ZB	M15				
		AT	ZG	M38				
350 Ccu. In.	2 BBL	SM	QI	Std.	Std.	L65		Std.
		AT	QA	M38 Exc. Air	M38 Exc. Air	M38 & L65		M40 Exc. Air
			QJ	M38 & Air & N47 Exc. L74	M38 & Air & N47 Exc. L74	M38 & Air & N47 & L65		M40 & Air Exc. L74/ L30/L32
	4 BBL	SM	QB	L74 & M14/M15	L74 & M14/M15	Std.		
		AT	QN	M38 & L74 Exc. Air/Y72	M38 & L74 Exc. Air/Y72	M38 Exc. Air/L65/ L32/Y72		
			QP	M38 & Air & L74 & Y72 & N47	M38 & Air & L74 & Y72 & N47	M38 & Air & Y72 & N47 Exc. L65/32		
			QO		L74 & M20	L74 & M20	M20	
455 Ccu. In.	2 BBL	AT	TX					M40 & Air & L30 & N47
			TY					M40 & L30 Exc. Air
	4 BBL	SM	TU				M14	
			TS				W30 Exc. M40 & W37	
		AT	TW				M40 Exc. Air & W30	
			TP			M40 & Air & L32 & N47		M40 & Air & L32 & N47
			TT				M40 & W30 Exc. Air	
			TV				M40 & Air & N47 Exc. W30	
			TQ			M40 & L32 Exc. Air		M40 & L32 Exc. Air
			TA				M20/M22 Exc. W30 & W37	
			TB				W30 & W37	
			TL				M40 & Air & W30 & JL2 and 3, 23 Axle	
			TN				W37 Exc. W30	

Ref. PIM 6-1:80  
6-2:80

# 1971 88 - 98 ENGINE IDENTIFICATION CODES

Engine Class.		Trans. Type	Code	Usage		
				5400	6400 6600 6800	8400 8600 9860
350 Cu. In.	2 BBL	SM	TE	M15		
		AT	TD	M38 Exc. Air or L30 or L31		
			TC	M38 With Air Exc. L30 or L31		
455 Cu. In.	2 BBL	SM	UE		M15	
		AT	UC	M40 & L30 Exc. Air	M40 Exc. Air or L31	
			UD	M40 & Air & L30	M40 & Air Exc. L31	
	4 BBL	AT	UN	M40 & L31 Exc. Air	M40 & L31 Exc. Air	Std. Exc. Air
			UO	L31 & Air	L31 & Air	Air

Ref.: PIM 6-1:80

# ACCESSORY CODES - 1971 MODELS

PLANT USE

Code	Access	Description
1		Open (For Zone Setting Operation)
A		Alteration To Enter In Production
C		Order Correction
D		Division
E		Cancel Order On Preference
F		Ref
G		Revised No Wire
H		Division and Revision
I		Revision
J		Rev
K		G.M. Employee
L		Gls - Fisher Employee
M		Allied Division
N		Dealer Dealer
O		Dealer Education
P		First Order
Q		Future Order
R		Ref Order
S		Terminated Order
T		First Supplement
U		Repeat Order
V		Export Preparation
W		R. R. Switching (Export)
X		VLS and VTA
Y		Auto Certification in Body Panel (Export)
Z		Debita Ref. Equipment - First Shipment
1		Debita Ref. Equipment - First and Rear Lap
2		Debita Ref. Equipment - Rear Lap
3		VTR and ATR
4		VTR and ATR and ATR
5		Auto Specification (Export)
6		Alphabetic Side Panel Strip Color (Optional Equip. 4307 and 4307, 904, Equipment on 4407 and 4400 and Options 930 and 931)
7		Alphabetic Side Panel Strip Color (Optional Equip. 3107, 3207, 3307, 3407, 3507, 3607, 3707, 3807, 3907, 4007, 4107, 4207, 4307, 4407, 4507, 4607, 4707, 4807, 4907, 5007, 5107, 5207, 5307, 5407, 5507, 5607, 5707, 5807, 5907, 6007, 6107, 6207, 6307, 6407, 6507, 6607, 6707, 6807, 6907, 7007, 7107, 7207, 7307, 7407, 7507, 7607, 7707, 7807, 7907, 8007, 8107, 8207, 8307, 8407, 8507, 8607, 8707, 8807, 8907, 9007, 9107, 9207, 9307, 9407, 9507, 9607, 9707, 9807, 9907, 1007, 1017, 1027, 1037, 1047, 1057, 1067, 1077, 1087, 1097, 1107, 1117, 1127, 1137, 1147, 1157, 1167, 1177, 1187, 1197, 1207, 1217, 1227, 1237, 1247, 1257, 1267, 1277, 1287, 1297, 1307, 1317, 1327, 1337, 1347, 1357, 1367, 1377, 1387, 1397, 1407, 1417, 1427, 1437, 1447, 1457, 1467, 1477, 1487, 1497, 1507, 1517, 1527, 1537, 1547, 1557, 1567, 1577, 1587, 1597, 1607, 1617, 1627, 1637, 1647, 1657, 1667, 1677, 1687, 1697, 1707, 1717, 1727, 1737, 1747, 1757, 1767, 1777, 1787, 1797, 1807, 1817, 1827, 1837, 1847, 1857, 1867, 1877, 1887, 1897, 1907, 1917, 1927, 1937, 1947, 1957, 1967, 1977, 1987, 1997, 2007, 2017, 2027, 2037, 2047, 2057, 2067, 2077, 2087, 2097, 2107, 2117, 2127, 2137, 2147, 2157, 2167, 2177, 2187, 2197, 2207, 2217, 2227, 2237, 2247, 2257, 2267, 2277, 2287, 2297, 2307, 2317, 2327, 2337, 2347, 2357, 2367, 2377, 2387, 2397, 2407, 2417, 2427, 2437, 2447, 2457, 2467, 2477, 2487, 2497, 2507, 2517, 2527, 2537, 2547, 2557, 2567, 2577, 2587, 2597, 2607, 2617, 2627, 2637, 2647, 2657, 2667, 2677, 2687, 2697, 2707, 2717, 2727, 2737, 2747, 2757, 2767, 2777, 2787, 2797, 2807, 2817, 2827, 2837, 2847, 2857, 2867, 2877, 2887, 2897, 2907, 2917, 2927, 2937, 2947, 2957, 2967, 2977, 2987, 2997, 3007, 3017, 3027, 3037, 3047, 3057, 3067, 3077, 3087, 3097, 3107, 3117, 3127, 3137, 3147, 3157, 3167, 3177, 3187, 3197, 3207, 3217, 3227, 3237, 3247, 3257, 3267, 3277, 3287, 3297, 3307, 3317, 3327, 3337, 3347, 3357, 3367, 3377, 3387, 3397, 3407, 3417, 3427, 3437, 3447, 3457, 3467, 3477, 3487, 3497, 3507, 3517, 3527, 3537, 3547, 3557, 3567, 3577, 3587, 3597, 3607, 3617, 3627, 3637, 3647, 3657, 3667, 3677, 3687, 3697, 3707, 3717, 3727, 3737, 3747, 3757, 3767, 3777, 3787, 3797, 3807, 3817, 3827, 3837, 3847, 3857, 3867, 3877, 3887, 3897, 3907, 3917, 3927, 3937, 3947, 3957, 3967, 3977, 3987, 3997, 4007, 4017, 4027, 4037, 4047, 4057, 4067, 4077, 4087, 4097, 4107, 4117, 4127, 4137, 4147, 4157, 4167, 4177, 4187, 4197, 4207, 4217, 4227, 4237, 4247, 4257, 4267, 4277, 4287, 4297, 4307, 4317, 4327, 4337, 4347, 4357, 4367, 4377, 4387, 4397, 4407, 4417, 4427, 4437, 4447, 4457, 4467, 4477, 4487, 4497, 4507, 4517, 4527, 4537, 4547, 4557, 4567, 4577, 4587, 4597, 4607, 4617, 4627, 4637, 4647, 4657, 4667, 4677, 4687, 4697, 4707, 4717, 4727, 4737, 4747, 4757, 4767, 4777, 4787, 4797, 4807, 4817, 4827, 4837, 4847, 4857, 4867, 4877, 4887, 4897, 4907, 4917, 4927, 4937, 4947, 4957, 4967, 4977, 4987, 4997, 5007, 5017, 5027, 5037, 5047, 5057, 5067, 5077, 5087, 5097, 5107, 5117, 5127, 5137, 5147, 5157, 5167, 5177, 5187, 5197, 5207, 5217, 5227, 5237, 5247, 5257, 5267, 5277, 5287, 5297, 5307, 5317, 5327, 5337, 5347, 5357, 5367, 5377, 5387, 5397, 5407, 5417, 5427, 5437, 5447, 5457, 5467, 5477, 5487, 5497, 5507, 5517, 5527, 5537, 5547, 5557, 5567, 5577, 5587, 5597, 5607, 5617, 5627, 5637, 5647, 5657, 5667, 5677, 5687, 5697, 5707, 5717, 5727, 5737, 5747, 5757, 5767, 5777, 5787, 5797, 5807, 5817, 5827, 5837, 5847, 5857, 5867, 5877, 5887, 5897, 5907, 5917, 5927, 5937, 5947, 5957, 5967, 5977, 5987, 5997, 6007, 6017, 6027, 6037, 6047, 6057, 6067, 6077, 6087, 6097, 6107, 6117, 6127, 6137, 6147, 6157, 6167, 6177, 6187, 6197, 6207, 6217, 6227, 6237, 6247, 6257, 6267, 6277, 6287, 6297, 6307, 6317, 6327, 6337, 6347, 6357, 6367, 6377, 6387, 6397, 6407, 6417, 6427, 6437, 6447, 6457, 6467, 6477, 6487, 6497, 6507, 6517, 6527, 6537, 6547, 6557, 6567, 6577, 6587, 6597, 6607, 6617, 6627, 6637, 6647, 6657, 6667, 6677, 6687, 6697, 6707, 6717, 6727, 6737, 6747, 6757, 6767, 6777, 6787, 6797, 6807, 6817, 6827, 6837, 6847, 6857, 6867, 6877, 6887, 6897, 6907, 6917, 6927, 6937, 6947, 6957, 6967, 6977, 6987, 6997, 7007, 7017, 7027, 7037, 7047, 7057, 7067, 7077, 7087, 7097, 7107, 7117, 7127, 7137, 7147, 7157, 7167, 7177, 7187, 7197, 7207, 7217, 7227, 7237, 7247, 7257, 7267, 7277, 7287, 7297, 7307, 7317, 7327, 7337, 7347, 7357, 7367, 7377, 7387, 7397, 7407, 7417, 7427, 7437, 7447, 7457, 7467, 7477, 7487, 7497, 7507, 7517, 7527, 7537, 7547, 7557, 7567, 7577, 7587, 7597, 7607, 7617, 7627, 7637, 7647, 7657, 7667, 7677, 7687, 7697, 7707, 7717, 7727, 7737, 7747, 7757, 7767, 7777, 7787, 7797, 7807, 7817, 7827, 7837, 7847, 7857, 7867, 7877, 7887, 7897, 7907, 7917, 7927, 7937, 7947, 7957, 7967, 7977, 7987, 7997, 8007, 8017, 8027, 8037, 8047, 8057, 8067, 8077, 8087, 8097, 8107, 8117, 8127, 8137, 8147, 8157, 8167, 8177, 8187, 8197, 8207, 8217, 8227, 8237, 8247, 8257, 8267, 8277, 8287, 8297, 8307, 8317, 8327, 8337, 8347, 8357, 8367, 8377, 8387, 8397, 8407, 8417, 8427, 8437, 8447, 8457, 8467, 8477, 8487, 8497, 8507, 8517, 8527, 8537, 8547, 8557, 8567, 8577, 8587, 8597, 8607, 8617, 8627, 8637, 8647, 8657, 8667, 8677, 8687, 8697, 8707, 8717, 8727, 8737, 8747, 8757, 8767, 8777, 8787, 8797, 8807, 8817, 8827, 8837, 8847, 8857, 8867, 8877, 8887, 8897, 8907, 8917, 8927, 8937, 8947, 8957, 8967, 8977, 8987, 8997, 9007, 9017, 9027, 9037, 9047, 9057, 9067, 9077, 9087, 9097, 9107, 9117, 9127, 9137, 9147, 9157, 9167, 9177, 9187, 9197, 9207, 9217, 9227, 9237, 9247, 9257, 9267, 9277, 9287, 9297, 9307, 9317, 9327, 9337, 9347, 9357, 9367, 9377, 9387, 9397, 9407, 9417, 9427, 9437, 9447, 9457, 9467, 9477, 9487, 9497, 9507, 9517, 9527, 9537, 9547, 9557, 9567, 9577, 9587, 9597, 9607, 9617, 9627, 9637, 9647, 9657, 9667, 9677, 9687, 9697, 9707, 9717, 9727, 9737, 9747, 9757, 9767, 9777, 9787, 9797, 9807, 9817, 9827, 9837, 9847, 9857, 9867, 9877, 9887, 9897, 9907, 9917, 9927, 9937, 9947, 9957, 9967, 9977, 9987, 9997, 10007, 10017, 10027, 10037, 10047, 10057, 10067, 10077, 10087, 10097, 10107, 10117, 10127, 10137, 10147, 10157, 10167, 10177, 10187, 10197, 10207, 10217, 10227, 10237, 10247, 10257, 10267, 10277, 10287, 10297, 10307, 10317, 10327, 10337, 10347, 10357, 10367, 10377, 10387, 10397, 10407, 10417, 10427, 10437, 10447, 10457, 10467, 10477, 10487, 10497, 10507, 10517, 10527, 10537, 10547, 10557, 10567, 10577, 10587, 10597, 10607, 10617, 10627, 10637, 10647, 10657, 10667, 10677, 10687, 10697, 10707, 10717, 10727, 10737, 10747, 10757, 10767, 10777, 10787, 10797, 10807, 10817, 10827, 10837, 10847, 10857, 10867, 10877, 10887, 10897, 10907, 10917, 10927, 10937, 10947, 10957, 10967, 10977, 10987, 10997, 11007, 11017, 11027, 11037, 11047, 11057, 11067, 11077, 11087, 11097, 11107, 11117, 11127, 11137, 11147, 11157, 11167, 11177, 11187, 11197, 11207, 11217, 11227, 11237, 11247, 11257, 11267, 11277, 11287, 11297, 11307, 11317, 11327, 11337, 11347, 11357, 11367, 11377, 11387, 11397, 11407, 11417, 11427, 11437, 11447, 11457, 11467, 11477, 11487, 11497, 11507, 11517, 11527, 11537, 11547, 11557, 11567, 11577, 11587, 11597, 11607, 11617, 11627, 11637, 11647, 11657, 11667, 11677, 11687, 11697, 11707, 11717, 11727, 11737, 11747, 11757, 11767, 11777, 11787, 11797, 11807, 11817, 11827, 11837, 11847, 11857, 11867, 11877, 11887, 11897, 11907, 11917, 11927, 11937, 11947, 11957, 11967, 11977, 11987, 11997, 12007, 12017, 12027, 12037, 12047, 12057, 12067, 12077, 12087, 12097, 12107, 12117, 12127, 12137, 12147, 12157, 12167, 12177, 12187, 12197, 12207, 12217, 12227, 12237, 12247, 12257, 12267, 12277, 12287, 12297, 12307, 12317, 12327, 12337, 12347, 12357, 12367, 12377, 12387, 12397, 12407, 12417, 12427, 12437, 12447, 12457, 12467, 12477, 12487, 12497, 12507, 12517, 12527, 12537, 12547, 12557, 12567, 12577, 12587, 12597, 12607, 12617, 12627, 12637, 12647, 12657, 12667, 12677, 12687, 12697, 12707, 12717, 12727, 12737, 12747, 12757, 12767, 12777, 12787, 12797, 12807, 12817, 12827, 12837, 12847, 12857, 12867, 12877, 12887, 12897, 12907, 12917, 12927, 12937, 12947, 12957, 12967, 12977, 12987, 12997, 13007, 13017, 13027, 13037, 13047, 13057, 13067, 13077, 13087, 13097, 13107, 13117, 13127, 13137, 13147, 13157, 13167, 13177, 13187, 13197, 13207, 13217, 13227, 13237, 13247, 13257, 13267, 13277, 13287, 13297, 13307, 13317, 13327, 13337, 13347, 13357, 13367, 13377, 13387, 13397, 13407, 13417, 13427, 13437, 13447, 13457, 13467, 13477, 13487, 13497, 13507, 13517, 13527, 13537, 13547, 13557, 13567, 13577, 13587, 13597, 13607, 13617, 13627, 13637, 13647, 13657, 13667, 13677, 13687, 13697, 13707, 13717, 13727, 13737, 13747, 13757, 13767, 13777, 13787, 13797, 13807, 13817, 13827, 13837, 13847, 13857, 13867, 13877, 13887, 13897, 13907, 13917, 13927, 13937, 13947, 13957, 13967, 13977, 13987, 13997, 14007, 14017, 14027, 14037, 14047, 14057, 14067, 14077, 14087, 14097, 14107, 14117, 14127, 14137, 14147, 14157, 14167, 14177, 14187, 14197, 14207, 14217, 14227, 14237, 14247, 14257, 14267, 14277, 14287, 14297, 14307, 14317, 14327, 14337, 14347, 14357, 14367, 14377, 14387, 14397, 14407, 14417, 14427, 14437, 14447, 14457, 14467, 14477, 14487, 14497, 14507, 14517, 14527, 14537, 14547, 14557, 14567, 14577, 14587, 14597, 14607, 14617, 14627, 14637, 14647, 14657, 14667, 14677, 14687, 14697, 14707, 14717, 14727, 14737, 14747, 14757, 14767, 14777, 14787, 14797, 14807, 14817, 14827, 14837, 14847, 14857, 14867, 14877, 14887, 14897, 14907, 14917, 14927, 14937, 14947, 14957, 14967, 14977, 14987, 14997, 15007, 15017, 15027, 15037, 15047, 15057, 15067, 15077, 15087, 15097, 15107, 15117, 15127, 15137, 15147, 15157, 15167, 15177, 15187, 15197, 15207, 15217, 15227, 15237, 15247, 15257, 15267, 15277, 15287, 15297, 15307, 15317, 15327, 15337, 15347, 15357, 15367, 15377, 15387, 15397, 15407, 15417, 15427, 15437, 15447, 15457, 15467, 15477, 15487, 15497, 15507, 15517, 15527, 15537, 15547, 15557, 15567, 15577, 15587, 15597, 15607, 15617, 15627, 15637, 15647, 15657, 15667, 15677, 15687, 15697, 15707, 15717, 15727, 15737, 15747, 15757, 15767, 15777, 15787, 15797, 15807, 15817, 15827, 15837, 15847, 15857, 15867, 15877, 15887, 15897, 15907, 15917, 15927, 15937, 15947, 15957, 15967, 15977, 15987, 15997, 16007, 16017, 16027, 16037, 16047, 16057, 16067, 16077, 16087, 16097, 16107, 16117, 16127, 16137, 16147, 16157, 16167, 16177, 16187, 16197, 16207, 16217, 16227, 16237, 16247, 16257, 16267, 16277, 16287, 16297, 16307, 16317, 16327, 16337, 16347, 16357, 16367, 16377, 16387, 16397, 16407, 16417, 16427, 16437, 16447, 16457, 16467, 16477, 16487, 16497, 16507, 16517, 16527, 16537, 16547, 16557, 16567, 16577, 16587, 16597, 16607, 16617, 16627, 16637, 16647, 16657, 16667, 16677, 16687, 16697, 16707, 16717, 16727, 16737, 16747, 16757, 16767, 16777, 16787, 16797, 16807, 16817, 16827, 16837, 16847, 16857, 16867, 16877, 16887, 16897, 16907, 16917, 16927, 16937, 16947, 16957, 16967, 16977, 16987, 16997, 17007, 17017, 17027, 17037, 17047, 17057, 17067, 17077, 17087, 17097, 17107, 17117, 17127, 17137, 17147, 17157, 17167, 17177, 17187, 17197, 17207, 17217, 17227, 17237, 17247, 17257, 17267, 17277, 17287, 17297, 17307, 17317, 17327, 17337, 17347, 17357, 17367, 17377, 17387, 17397, 17407, 17417, 17427, 17437, 17447, 17457, 17467, 17477, 17487, 17497, 17507, 17517, 17527, 17537, 17547, 17557, 17567, 17577, 17587, 17597, 17607, 17617, 17627, 17637, 17647, 17657, 17667, 17677, 17687, 17697, 17707, 17717, 17727, 17737, 17747, 17757, 17767, 17777, 17787, 17797, 17807, 17817, 17827, 17837, 17847, 17857, 17867, 17877, 17887, 17897, 17907, 17917, 17927, 17937, 17947, 17957, 17967



# 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

	31	32	35	36	42	44	48
	68 97	68 97	3 6 78 6 9 77	3 6 78 6 9 77	356 977	6 8 7 7	5 6 6 6
AA3 Tinted Roof Glass - Chrome Coated	NN	NN	NN NN	NN NN	NNN	NN	XX
A01 Tinted Body Glass *Including Windshield*	XX	XX	XX XX	XX XX	XXX	XX	XX
A02 Tinted Windshield Glass	XX	XX	XX XX	XX XX	XXX	XX	XX
A21 Electric 4-Window Lifts	NN	NN	XX XX	XX XX	XXX	XX	XX
A23 Electric Rear Window *Tailgate*	NN	NN	XX NN	XX NN	NNN	NN	XX
A29 Deluxe Lap Belts - Front & Rear * Including Middle Lap Belts on Bench Seats* * Included in AK1*	NN	NN	NN NN	NN NN	NNX	XX	NN
A41 Electric 4-Way Seat Adjuster *Bench Seat* E Available Only with A52 or A65 Option	XX	XX	XX XX	XX XX	XX@	@	XX
A46 Electric 4-Way Seat Adjuster * Bucket Seat L.H. Only* * Not Available with A52 or A65 Option*	NN	NN	NN XX	NN XX	XXX	XX	NN
A51 Bucket Seat Option - Strato	NN	NN	NN XX	NN XX	SSS	SS	NN
A52 Bench Seat Option - Conventional * Not Available with D55 or W26 Equipment*	SS	SS	SS SS	SS SS	NNN	XX	SS
A65 Bench Seat Option - Notch Back * Not Available with D55 or W26 Equipment*	NN	NN	NN NN	NN NN	XXX	XX	NN
A90 Electric Trunk Lid Latch	XX	XX	XX XX	XX XX	XXX	XX	NN
AK1 Deluxe Lap & Shoulder Belt Option 1. A29 Lap Belts - Front & Rear * Includes Middle Lap Belts On Bench Seats* * Includes Third Seat on 34886* 2. A65 Shoulder Belts - Front	XX	XX	XX XX	XX XX	XXX	XX	XX
A64 Rear Shoulder Belts - Deluxe Type * Includes Third Seat on 34886* * Must get A29 or AK1 Options*	XX	XX	XX XX	XX XX	XXX	XX	XX
AU3 Lock - Side Door Electric *Front A/O Rear*	XX	XX	XX XX	XX XX	XXX	XX	XX
B30 Floor Carpet *Front & Rear*	XX	XX	SS SS	SS SS	SSS	SS	SS
B32 # Auxiliary Front Floor Mats	XX	XX	XX XX	XX XX	XXX	XX	XX
B33 # Auxiliary Rear Floor Mats	XX	XX	XX XX	XX XX	XXX	XX	XX
B39 Carpeted Load Floor	NN	NN	XX NN	XX NN	NNN	NN	XX
B50 Foam Front Seat Cushion	XX	XX	XX SS	XX SS	SSS	SS	SS
BC1 Wood Grain Instrument Panel	XX	XX	XX XX	XX XX	SSS	SS	SS
B60 Exterior Drip Scalp Mouldings * Included in C08 Option on 33569, 77, 87 and 33669, 77, 87* * Must get B85 on 33577, 87 and 33677, 87*	NN	NN	XX XX	XX XX	SSN	NS	SS
B84 Exterior Body Side & Fender Mldgs. - Black Vinyl Insert	NN	NN	XX XX	XX XX	NNN	NN	NN
B85 Exterior Belt Moulding * Must get B80 or C08 on 33577, 87 & 33677, 87* * Included in C08 Option on 34257*	NN	NN	NN XX	NN XX	NNN	XX	NN
B90 Chrome Door Window Frames	XX	XX	SS XX	SS XX	NNN	NN	SS
B93 Door Edge Guard	XX	XX	XX XX	XX XX	XXX	XX	XX
B96 Wheel Opening Mouldings * Mandatory with Y75 Option*	XX	XX	SS SS	SS SS	SSS	SS	SS
C08 Roof Top Covering * Includes B80 Option on 33180, 33290, 33569, 77, 87 & 33669, 77, 87* * Includes B85 Option on 34257*	XX	XX	XX XX	XX XX	XXN	XX	NN
C49 Defogger - Rear Window - Electric * Must get N47 Option on 3200, 3600, 4200, 4400 Models*	XX	XX	XX XX	XX XX	XXN	XX	NN

# 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

	31	32	35	36	42	44	46
	68	68	3 6 76	3 6 76	356	6 8	5 6
	97	97	6 9 77	6 9 77	977	7 7	6 6
C51 Deflector Package - Air	NN	NN	X N NN	X N NN	NNN	N N	X X
C60 Air Conditioning * See Axle Chart for Exception Usage* * Power Steering Mandatory with 3200, 3600, 4200, 4400, 4800 Models*	XX	XX	X X XX	X X XX	XXX	X X	X X
CD3 Windshield Washer & Wiper - Auxiliary Control Switch In Shift Lever * Available Only with Automatic Transmission Column Shift Cars*	NN	NN	X X XX	X X XX	XXX	X X	X X
D33 Remote Control Outside Mirror	XX	XX	X X XX	X X XX	XXX	X X	X X
D35 Rear View Mirrors - Outside - Styled Sports (L.H. Remote) * Mandatory with W30 Option*	NX	NX	N N XX	N N XX	NXX	X X	N N
D55 Front Compartment Console * Not Available with Column Shift* * Bucket Seats Mandatory with This Option*	NN	NN	N N XX	N N XX	NXX	X X	N N
D99 Two Tone Paint	XX	XX	X X XX	X X XX	XXN	N X	X X
F41 Suspension System - Front & Rear - Heavy Duty * Special Suspension System for Strenuous Service. Recommended for Trailer Hauling, Canadian & Overseas Export and continuous Heavy Truck Loads and Where Majority of Driving Is on Secondary and Rural Roads. * Includes Front & Rear Springs, Front Stabilizer Bar and Heavy Duty Firm Ride Control Shocks* * G66 Superlift Shocks Available* * N99 Mandatory on 3100, 3200, 3569, 77, 87, 3669, 77, 87, 4200*	XX	XX	X X XX	X X XX	XXX	N N	X X
FE2 442 Suspension Package * Includes Springs, Shocks, Stabilizer Shafts, Rear Lower Control Arms & PC2 Wheels* * Not Available with FG2, F41, G66, N99 or U89* * N66, N67 or P05 Wheel Option Available*	NN	NX	N N NN	N N XX	NXX	N N	N N
FG2 Shock Absorbers - Front & Rear - Heavy Duty Firm Ride Control * Recommended for Considerable Secondary and Rural Road Driving* * Not Available with FE2 or G66 Options* * Included in F41*	XX	XX	X X XX	X X XX	XXX	N N	X X
G66 Superlift Rear Shock Absorbers @ Available Only with M40 on 34490 Series * Not Available With FE2 or FG2 Option* * Recommended for Trailer Hauling - Class I - 1000-2000s Wgt.* * N99 Mandatory on 3100, 3200, 3569, 77, 87, 3669, 77, 87, 4200*	XX	XX	X X XX	X X XX	XXX	@ @	X X
G80 Limited Slip Type Differential * Anti-Spin Axle* * Mandatory when 3.73 Ratio is used*	XX	XX	X X XX	X X XX	XXX	X X	X X
G89 Performance Rear Axle - 3.73 Ratio @ Available Only with W30 Option * For Usage refer to Axle Chart 497593* * G89 Mandatory* * Not Available with C60 or Y72 Options*	NN	NN	N N NN	N N NN	NNN	@ @	N N
G90 Performance Rear Axle - 3.08 Ratio * For Usage Refer to Axle Chart 497593* * Recommended for Trailer Hauling - Class I - 1000-2000s Weight*	XX	XX	X X XX	X X XX	XXX	X X	X X
G91 Performance Rear Axle - 3.23 Ratio * For Usage Refer to Axle Chart 497593*	XX	XX	X X XX	X X XX	XXX	X X	X X

## 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

G91	(Continued)
	* Recommended for Trailer Hauling - Class II - 2020 - 3500* Weight*
G92	Performance Rear Axle - 3.42 Ratio
	* For Usage Refer to Axle Chart 407593*
	* Not Available with C60, M33 or Y72 Options*
	* N10 Mandatory on 33200, 33600, 4200 Series
	* L74 Mandatory on 3200, 3600*
	* Not Available with L63 on 4200*
G93	Plains Axle Ratio - 2.73 Ratio
	* For Usage Refer to Axle Chart 407593*
G96	Plains Axle Ratio - 2.56 Ratio
	* For Usage Refer to Axle Chart 407593*
	* Not Available with EM or FS Transmission*
J50	Power Brakes
	* Not Available with JLE Option*
JL2	Front Disc Brakes - Power
	* Mandatory with W30 With C60*
K30	Automatic Throttle Control
	* Available Only with Automatic Transmission*
L30	Engine Option
	* 435 Cu. In. - V-8 - 2-Barrel*
	* M40 Transmission Mandatory*
L32	Engine Option
	* 455 Cu. In. - V-8 - 4-Barrel*
	* M40 Mandatory*
	* N10 Option Not Available*
	* Dual Exhaust System Included*
	@ Mandatory & Available Only with Y73*
L63	Engine Option
	* 350 Cu. In. - V-8 - 2-Barrel*
	* Not Available with N10 on 34200*
	* Not Available with M14 or M20*
L74	Engine Option
	* 350 Cu. In. - V-8 - 4-Barrel*
	* N10 Mandatory with 3.42 Axle Ratio*
	* Mandatory with M14 or M20*
M14	Manual Transmission - 3-Speed Fully Synchronized - Floor Shift - Heavy Duty
	* Not Available with W30 Option*
	* L74 Mandatory on 3287, 3677, 87*
M20	Manual Transmission - 4-Speed Fully Synchronized - Floor Shift
	* Available on 3287, 3677, 87, 4257, 67 with 350 Cu. In. 4-Barrel Engine Only*
M22	Manual Transmission - 4-Speed - Close Ratio Fully Synchronized - Floor Shift - Heavy Duty
M38	Turbo-Hydra-Matic Transmission
	* 3-Speed Torque Converter*
	* Not Available with 435 Cu. In. Engines*
M40	Turbo-Hydra-Matic Transmission
	* 3-Speed Torque Converter*
	* Mandatory with W30 if Auto. Trans. is ordered*
	* Mandatory with L32 Option*
N10	Dual Exhaust System
	* Available Only when L74 Option is ordered - Except 33677, 87*
	* Available with All 350 Cu. In. Engines on 33677, 87*
	* Not Available with L32 or L45 Options*
	* Mandatory on 34200 with 350 Cu. In. 4-Barrel Engines and 3.42 Axle*
	* Mandatory on 33200, 33600 with L74 and 3.42 Axle*

31	32	35	36	42	44	48
68 97	68 97	3 6 78 6 9 77	3 6 78 6 9 77	356 977	6 8 7 7	5 6 6 6
NN	XX	N N NN	X X XX	XXX	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	XX	N N NN	X X XX	XXX	X X	X X
XX	XX	N X XX	N X XX	XXX	X X	S S
XX	XX	S X XX	S X XX	XXX	X X	S S
NN	XX	N N NN	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	NNN	N N	X X
NN	NN	N N NN	N N NN	N@N	N N	X X
NN	SS	N N NN	S S SS	XXX	N N	S S
NN	XX	N N NN	X X XX	SSS	N N	N N
NN	XX	N N NN	N N XX	NXX	S S	N N
NN	XX	N N NN	N N XX	NXX	X X	N N
NN	NN	N N NN	N N NN	NNN	X X	N N
XX	XX	X X XX	X X XX	XXX	N N	N N
NN	NN	N N NN	N N NN	NXX	X X	X X
NN	XX	N N NN	N X XX	XXX	N N	N N

# 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

N30	Deluxe Steering Wheel
N33	Steering Column Assembly - Tilt-Away * Not Available on SM Jobs with Column Shift *
N34	Steering Wheel - Custom Sport
N47	Power Steering - Variable Ratio * Mandatory with C49 on 3200, 3600, 4200, 4400 Except Station Wagon or Convertibles * * Mandatory with C60 or Y72 on 3200, 3600, 4200, 4400, 4800 Models *
N66	Wheel Equipment - Custom Sport * 14 Inch Wheel, Spider Painted Gray, Capped Wheel Nuts, Ornament, Bezels & Trim Ring * * Not Available with P01 or P02 *
N67	Wheel Equipment - Custom Sport * 14 Inch Wheel, Spider Painted Lower Body Color, Capped Wheel Nuts, Ornament, Bezels & Trim Ring * * Not Available with P01 or P02 *
N99	Wheels - Heavy Duty * Heavier Spider - 6" Rim * * Recommended for Trailer Hauling * * Not Available with FE2 * * Mandatory with F41, G66, or U89 * * Mandatory with 96P16, 98P16 Unless N66, N67, or P05 is Ordered *
P01	* Wheel Discs * Mandatory with Y79 Option * * Not Available with N66, N67 or P05 *
P02	* Wheel Discs * Deluxe * * Not Available with N66, N67 or P05 *
P05	Wheel Equipment - Custom Trim * 14 Inch Wheel, Painted Spider, Capped Wheel Nuts, Ornament & Rim * * Not Available with P01 or P02 *
P26	White Wall Tires - Standard Size
PC2	Wheel Option - 14 x 7JJ * Included in FE2 Option unless N66, N67 or P05 is Ordered * * Not Available with F41, G66 or U89 *
PK5	Tire - G70 x 14 Wide Oval - Black wall With Raised White Letters * Mandatory With W30 Option *
PX8	Tire - G70 x 14 Wide Oval - White Stripe
T44	Interior Operated Hood Lock
U21	Instrument Cluster - Rallye Pack
U35	Electric Clock * Not Available With U21 Option *
U57	Tape Player - Stereo * Includes Rear Seat Speaker - Except With U58 * * Must get U58 or U63 Option *
U58	Stereophonic Radio * AM-FM * * Includes Rear Seat Speaker *
U63	Deluxe Radio
U80	Rear Seat Speaker * Included in U57 or U58 Options *
U89	Wiring Harness - Car Trailer * N99 Mandatory on 3100, 3200, 3600, 77, 87, 3600, 77, 87, 4200 *

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XS	XS	S S S S	S S S S	S S S	S S	S S
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
NN	XX	N N N N	N X X X	XXX	X X	N N
NN	XX	N N N N	N X X X	XXX	X X	N N
XX	XX	S X X X	S X X X	XXX	N N	S S
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
NN	XX	N N N N	N X X X	XXX	X X	N N
XX	XX	X X X X	X X X X	XXX	N N	X X
XX	XX	N N X X	N N X X	XXX	S S	N N
XX	XX	N N X X	N N X X	XXX	X X	N N
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X
XX	XX	X X X X	X X X X	XXX	X X	X X



# 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

V36 Guards - Bumper - With Vinyl Inserts  
 \* Front Only on Station Wagons \*  
 \* Front & Rear on all Except Station Wagons \*

V55 Luggage Carrier

V56 Lock & Trim - Luggage Locker

W25 Force Air Induction System  
 @ Available Only with L34 Option  
 \* Included in W30 Option \*  
 \* Not Available with Y73 Option \*  
 \* Includes Special Hood Paint Scheme \*

W26 Front Compartment Console - Dual Gate Shifter  
 \* Available Only with Auto. Trans. Floor Shift \*  
 \* Bucket Seats Mandatory with this Option \*

W27 Aluminum Differential Cover

W30 Induction System - Carburetor Outside Air  
 - Available As Special Order Only -

Included In W30

455 Cu. In. 4-Barrel Engine with Selected Parts,  
 Manual Disc Brakes,  
 W25 Force Air Induction System,  
 Special Body Side Paint Stripe,  
 Special Hood Paint Scheme.

Mandatory With W30

For Axle Usage refer to Chart 407593,  
 D35 Outside Rear View Mirrors,  
 G80 Limited Slip Type Differential with  
 3.42 or 3.73 Ratio,  
 M20, M22 or M40 Transmission,  
 PK5 Tire - Wide Oval with White Letters.

Not Available With W30

Y72 or Y73.  
 Delete Standard Body Side Paint Stripe.

JL2 Is Available with M40 Transmission.

C60 Is Available with W30 Option with M40  
 Trans., JL2 Brakes and 3.23 Axle Ratio.

W35 Rear Deck Lid Air Spotter

W37 Clutch - Heavy Duty - 2 Plate  
 \* Available Only with M20 or M22 \*

Y60 Accessory Group Package

1. \* D34 \* Visor Vanity Mirror
  2. \* U25 \* Luggage Compartment Lamp
  3. \* U26 \* Underhood Lamp
  4. \* U27 \* Glove Box Lamp
  5. \* U28 \* Ash Tray Lamp
  6. \* C67 \* Sail Panel Lamps (Dome Lamp Included)
  7. \* U71 \* Mirror With Integral Lamp
  8. Instrument Panel Control Lighting
  9. \* U29 \* Courtesy Lamps & Map Lamp
- \* Rear Door Jamb Switches & Wiring  
 Included in All 4-Door Styles \*

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
NN	NN	X N NN	X N NN	NNN	N N	X X
NN	NN	N N NN	N N @	NNN	X X	N N
NN	NN	N N XX	N N XX	NXX	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
NN	NN	N N NN	N N NN	NNN	X X	N N
NX	NX	N N XX	N N XX	NNN	N X	N N
NN	NN	N N NN	N N NN	NNN	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	N X XX	N X XX	XXX	X X	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXS	S X	X X
NN	NN	N N NN	N N NN	XXN	N N	N N
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXS	S X	X X
XX	XX	X X XX	X X XX	XXS	S X	X X



# 1971 F-85 FACTORY INSTALLED OPTIONAL EQUIPMENT

## Special Options (Continued)

Y63	Special Paint - No Charge
Y64	Factory Retail Service
Y65	Dealer Retail Service
Y66	Two Tone Special Paint - Charge
Y68	Regular Paint Used with Trim Combinations Not Recommended by Paint & Trim Specifications Chart
Y76	Special Firemist Paint - Charge
Y77	Special Trim

31	32	35	36	42	44	48
68	68	3 6 78	3 6 78	356	6 8	5 6
97	97	6 9 77	6 9 77	977	7 7	6 6
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	N X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X
XX	XX	X X XX	X X XX	XXX	X X	X X

## 1971 88-98 FACTORY INSTALLED OPTIONAL EQUIPMENT

	54	64	66	68	84	86
	35 6 97 9	35 6 97 9	46 77	34 55	33 79	33 79
A01 Tinted Body Glass *Including Windshield*	XX X	XX X	XX	XX	X X	XX
A02 Tinted Windshield Glass	XX X	XX X	XX	XX	X X	XX
A31 Electric 4-Window Lifts	XX X	XX X	XX	XX	X X	SS
A39 Deluxe Lap Belts - Front & Rear *Included in AK1*	NN N	NN N	XX	NN	N N	NN
A42 Electric 6-Way Seat Adjuster *Bench Seat* *Not Available with AM6*	XX X	XX X	XX	XX	X X	XX
AG1 Electric 6-Way Seat Adjuster *60-60 Seat - Driver Side Only* *Available Only with AM6*	NN N	NN N	NN	NN	N N	XX
AG2 Electric 6-Way Seat Adjuster *60-60 Seat - Passenger Side Only* *Must get AG1 & AM6*	NN N	NN N	NN	NN	N N	XX
AK1 Deluxe Lap Belts & Shoulder Belts 1. A39 Seat Belts - Front & Rear 2. A85 Shoulder Belts - Front	XX X	XX X	XX	XX	S S	SS
AM6 Seat Assembly - Front Seat Split 60/40 With Center Arm Rest *Not Available With A42*	NN N	NN N	NN	NN	N N	XX
A74 Heavy Duty Cushion & Back Springs - Front & Rear	XX X	NN N	NN	NN	N N	NN
A90 Electric Trunk Lid Latch	XX X	XX X	XX	NN	X X	XX
A84 Rear Shoulder Belts - Deluxe Type *Must get A39 on 36667* *Must get AK1 on 5400, 6400, 6647 & 6800* *Includes Third Seat on 6845*	XX X	XX X	XX	XX	X X	XX
AU3 Lock - Side Door Electric *Front A/O Rear* *Not Available with AU5*	XX X	XX X	XX	XX	X X	XX
AU5 Lock - Seat Back & Side Door Electric *Not Available with AU3*	XX N	XX N	XX	NN	X N	XX
B32 * Front Auxiliary Floor Mats	XX X	XX X	XX	XX	X X	XX
B33 * Rear Auxiliary Floor Mats	XX X	XX X	XX	XX	X X	XX
BG1 Heavy Duty Floor Cover *Black* *Front & Rear*	NN X	NN X	NN	NN	N N	NN
B36 Luggage Compartment Mat	XX X	XX X	XX	NN	X X	XX
B39 Carpeted Load Floor	NN N	NN N	NN	XX	N N	NN
B84 Exterior Body Side & Fender Moulding *Black Vinyl Inserts on 5400, 6400, 6600 Models* *No Vinyl Inserts on 8400, 8600 Models*	XX X	XX X	XX	NN	X X	XX
B85 Exterior Belt Moulding *Included in C08 Option on 35469 & 36469*	XX X	XX X	SS	SS	S S	SS
B90 Chrome Door Window Frames	NN X	NN S	NN	SS	N N	NN
B93 Door Edge Guard	XX X	XX X	XX	XX	X X	XX
C08 Roof Top Covering (Without Pad) *Includes B85 Option on 35469 & 36469*	XX X	XX X	S N	XX	X X	XX
C36 Tailgate - Power Operated	NN N	NN N	NN	XX	N N	NN
C49 Defogger - Rear Window - Electric	XX X	XX X	XX	XX	X X	XX
C90 Air Conditioning *Not Available with M15 Option*	XX X	XX X	XX	XX	X X	XX
C81 Air Conditioning - Automatic Controls *Not Available with M15 Option*	XX X	XX X	XX	XX	X X	XX
CD3 Windshield Wiper & Washer - Aux. Control Switch in Shift Lever *Not Available with M15 Option*	XX X	XX X	XX	XX	X X	XX



# 1971 88-98 FACTORY INSTALLED OPTIONAL EQUIPMENT

D33	Remote Control Outside Mirror
D99	Two Tone Paint
F41	Suspension System - Front & Rear - Heavy Duty * Special Suspension System for Strenuous Service, Recommended for Trailer Hauling, Canadian & Overseas Export, Police City Cruiser, continuous Heavy Trunk Loads and Where Majority of Driving is on Secondary and Rural Roads.* * Includes Front and Rear Springs and Heavy Duty Firm Ride Control Shocks.* * G66 Superlift Shocks are Available* * N99 Mandatory on 5400, 6400, 6600, 8400, 8600* * Not Available with M15 Option*
FG2	Shock Absorbers - Front & Rear - Heavy Duty Firm Ride Control * Recommended for considerable Secondary and Rural Road Driving* * Not Available with M15 Option* * Included in F41*
G66	Superlift Rear Shock Absorbers * Not Available with M15 Option* * Not Available with FG2 Option* * Recommended for Trailer Hauling - Class 1 - 1000-2000lb Weight* * N99 Mandatory on 5400, 6400, 6600, 8400, 8600*
G80	Limited Slip Differential * Anti-Spin Axle* * For Usage refer to Chart 407596*
G90	Performance Rear Axle - 3.08 Ratio * For Usage Refer to Axle Chart 407596*
G92	Performance Rear Axle - 3.42 Ratio * For Usage Refer to Axle Chart 407596* * Y72 Heavy Duty Cooling Mandatory*
G93	Performance Rear Axle - 2.73 Ratio * For Usage Refer to Axle Chart 407596*
G94	Performance Rear Axle - 2.93 Ratio * For Usage Refer to Axle Chart 407596*
J55	Heavy Duty Brakes - Power - Front Disc * Heavy Spider & 6 Inch Rim Wheel* * Available Only for Police Usage* * Available Only with 2.93 Axle Ratio* * Not Available with M15 Option*
K30	Automatic Throttle Control * Not Available with M15 Option*
K81	Delcotron - 60 Ampere * Available for Police Usage* * Not Available with C49 or M15 Options*
L30	Engine Option * 2-Barrel 455 Cu. In.* * Not Available with M15 Option*
L31	Engine Option * 4-Barrel 455 Cu. In.* * Not Available With M15 Option*
M15	Synchromesh Transmission (Lansing Plant Only) * Available on 35400 with 350 Cu. In. 2-Bbl. Engine Only* * Available on 36400, 36500, 36800 with 455 Cu. In. 2-Bbl. Engine Only*

54	64	66	68	84	86
35 6 97 9	35 6 97 9	46 77	34 55	3 3 7 9	33 79
XX X	XX X	XX	XX	S S	SS
XX X	XX X	NN	XX	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	NN	N N	NN
NN N	NN N	NN	XX	N N	NN
XX X	XX X	XX	NN	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	NN	X X	XX
XX X	XX X	XX	XX	X X	XX
XX X	XX X	XX	XX	N N	NN
XX X	XX X	XX	XX	S S	SS
XX X	XX X	XX	XX	N N	NN

# 1971 88-98 FACTORY INSTALLED OPTIONAL EQUIPMENT

	54	64	66	68	84	96
	35 6 97 9	35 6 97 9	46 77	34 55	3 3 7 9	33 79
M15 (Continued)						
* Not Available with C60/C61/CD3/F41/FG2/ G66/G80/G90/G92/G94/J55/K30/K81/L30/ L31/N10/N33/T87/U11/UB7/Y72/98U18,						
N10 Dual Exhaust System	XX X	XX X	XX	NN	X X	XX
* Available Only with L31 on 5400, 6400, & 6600*						
* Not Available with M15 Option*						
N33 Steering Column Assembly - Tilt-Away	XX X	XX X	XX	XX	X X	XX
* Not Available with M15 Option*						
N37 Steering Wheel & Column - Tilt & Travel	NN N	NN N	NN	NN	X X	XX
N99 Wheels - Heavy Duty	XX X	XX X	XX	SS	X X	XX
* Heavier Spider & 6 Inch Rim*						
* Not Available with J55 Option - Parts Included*						
* Recommended for Trailer Hauling*						
* Recommended for Police Usage*						
* Mandatory with F41, G66, U89*						
P03 * Deluxe Wheel Discs	XX X	XX X	XX	XX	X X	XX
* Not Available with P05*						
P05 Wheel Equipment - Custom Trim	XX X	XX X	XX	NN	N N	NN
* 15" Polycast Wheel, Ornament, Trim Ring & Cupped Nuts*						
* Not Available with J55 or P03*						
P26 White Wall Tires - Standard Sizes	XX X	XX X	XX	XX	X X	XX
T81 Headlamp Off-Delay Control	XX X	XX X	XX	XX	X X	XX
T87 Cornering Lamp	XX X	XX X	XX	XX	X X	XX
* Not Available With M15 Option*						
U11 Instrument Cluster * Certified Speeds*	XX X	XX X	XX	XX	N N	NN
* Available Only for Police Usage*						
* Not Available with UB7 or M15 Options*						
U35 Electric Clock	XX X	XX X	SS	XX	SS	SS
U41 Indicator - Low Fuel	XX X	XX X	XX	XX	X X	XX
U58 Stereophonic Radio * AM-FM*	XX X	XX X	XX	XX	X X	XX
* Includes Two Rear Seat Speakers*						
U63 Deluxe Radio	XX X	XX X	XX	XX	X X	XX
U80 Rear Seat Speaker	XX X	XX X	XX	XX	X X	XX
* Not Available with U58, UM1 or UM2*						
U89 Wiring Harness - Car Trailer	XX X	XX X	XX	XX	X X	XX
* N99 Mandatory on 5400, 6400, 6600, 8400, 8600*						
U90 Wiring Harness - Roof Flasher - With Roof Panel Reinf.	XN X	XN X	NN	XX	N N	NN
* Available Only for Police Usage*						
UB7 Cluster Assm-Instrument (Trip Odometer & Safety Sentinel)	XX X	XX X	XX	XX	X X	XX
* Not Available With U11, M15 or 98U18*						
UM1 Radio - AM Push-Button & Stereo Tape Player	XX X	XX X	XX	XX	X X	XX
* Includes two Rear Seat Speakers*						
UM2 Radio - AM-FM stereo Push-Button and Tape Player	XX X	XX X	XX	XX	X X	XX
* Includes Two Rear Seat Speakers*						
V36 Guards - Bumper - With Vinyl Inserts	XX X	XX X	XX	XX	X X	XX
* Front & Rear on 5400 - 6400 - 6600 Models*						
* Front Guards & Rear Bumper Inserts on 6800 - 8400 - 8600 Models*						

## 1971 88-98 FACTORY INSTALLED OPTIONAL EQUIPMENT

V55	Luggage Carrier	NN N	NN N	NN	XX	N N	NN
V56	Lock & Trim - Luggage Locker	NN N	NN N	NN	XX	N N	NN
Y60	Accessory Package Group						
	1. * D34* Visor Vanity Mirror	XX X	XX X	XX	XX	X X	XX
	2. * U25* Luggage Compartment Lamp	XX X	XX X	XX	NN	X X	XX
	3. * U26* Underhood Lamp	XX X	XX X	XX	XX	X X	XX
	4. * C27* Glove Box Lamp	XX X	XX X	SS	XX	S S	SS
	5. * C81* Rear Door Dome Lamp Switches	XX N					
	6. * C87* Rear Quarter Sail Panel Lamps (Dome Lamp Included)	XX N					
	7. * U29* Courtesy Lamps & Map Lamps	XX X	SS S	SS	SS	S S	SS
Y72	Heavy Duty Cooling & Alternator Option	XX X	XX X	XX	XX	X X	XX
	* Recommended for Trailer Hauling *						
	* Not Available with M15 Option *						
	* Mandatory with G92 (3.42) Option *						
Section 96 Canadian Export Option							
K05	Engine Block Heater	XX X	XX X	XX	XX	X X	XX
P16	Tire - 4-Ply White Wall - Nylon	XX X	XX X	XX	XX	X X	XX
Z49	Mandatory Canadian Base Equipment Modification	XX X	XX X	XX	XX	X X	XX
Section 98 Single Unit Pack Chassis * Export Option *							
A48	Lap Belts - Front & Rear - Delete * Must get A56 *	XX X	XX X	XX	XX	X X	XX
A56	Shoulder Belts - Front - Delete	XX X	XX X	XX	XX	X X	XX
P16	Tire - 4-Ply White Wall - Nylon	XX X	XX X	XX	XX	X X	XX
T74	Head Lamps - LH Rule of Road - Exp.	XX X	XX X	XX	XX	X X	XX
U18	Speedometer - Export, Kilometer	XX X	XX X	XX	XX	X X	XX
V78	Plate - Certificate of Compliance - Delete	XX X	XX X	XX	XX	X X	XX
Special Car Order & Billing Options							
The Following Special Options are for Car Order & Billing Purposes. Engineering Department will Not Release Any Parts For These Options.							
M38	Turbo-Hydra-Matic Transmission	XX X	NN N	NN	NN	N N	NN
M40	Turbo-Hydra-Matic Transmission		XX X	XX	XX	N N	NN
X24	Canada Retail Service * Designated by G. M. of Canada *	XX X	XX X	XX	XX	X X	XX
Y61	Export Preparation	XX X	XX X	XX	XX	X X	XX
Y62	Special Paint - Charge	XX X	XX X	XX	XX	X X	XX
Y63	Special Paint - No Charge	XX X	XX X	XX	XX	X X	XX
Y64	Factory Retail Service	XX X	XX X	XX	XX	X X	XX
Y65	Dealer Retail Service	XX X	XX X	XX	XX	X X	XX
Y66	Two Tone Special Paint - Charge	XX X	XX X	NN	XX	X X	XX
Y68	Regular Paint Used With Trim Combinations Not Recommended By Paint & Trim Specifications Chart	XX X	XX X	X	XX	X X	XX
Y96	Special Firemist Paint - Charge	XX X	XX X	XX	XX	X X	XX
Y77	Special Trim	XX X	XX X	XX	XX	X X	XX

AEO 71-29 Supp. 15

# 1971 AIR CLEANER CODES

Usage	Engine	Part #	Color	Broadcast Code
3100 & 3500	L6 Std.	6484662 CE	BLACK	E
3200 & 3600	2 Bbl. L.C. Std.	6484801 OO	BLACK	O
	4 Bbl. H.C. L74	6486276 OI	RED	I
	SPECIAL W25	6486695 NA	RED	N
4200	2 Bbl. L.C. L65	6484801 OO	BLACK	O
	4 Bbl. H.C. Std.	6486276 OI	RED	I
4400	4 Bbl. H.C. Std.	6486966 ND	RED	D
	SPECIAL W25 & W30	6486695 NA	RED	N
4800	2 Bbl. L.C. L30	6484801 OO	BLACK	O
	4 Bbl. L.C. L32	6486276 OI	RED	I
5400	2 Bbl. L.C. Std.	6484801 OO	BLACK	O
	4 Bbl. H.C. L31	6486276 OI	RED	I
6400, 6600 & 6800	2 Bbl. L.C. Std.	6484801 OO	BLACK	O
	4 Bbl. H.C. L31	6486276 OI	RED	I
8400 & 8600	4 Bbl. H.C. Std.	6486276	RED	I

# 1971 AIR CLEANER LABEL CODES

Broad. Code	Usage	Broad. Code	Usage
A	Action Line 6	D	Rocket 455 2 Bbl. 7-1/2"
B	Rocket 350 2 Bbl. 7-1/2"	E	Rocket 455 4 Bbl. 10"
C	Rocket 350 4 Bbl. 10"	F	442



# 1971 BATTERY CODE

Series	Group	Part Number	Ident. Code	Broad. Code
3100, 3500	All	1980032	Y55	D
F-85 V8 Exc. 4400	Std.	1980030	R59	E
	L30, L32	1980040	R71	F
4400	All	1980040	R71	F
5400 *	Std.	1980145	R89	G
	L30 or L31	1980154	R91	H
	Temp. L31	1980152	R91S	K
88's & 98's Exc. 5400 *	All	1980154	R91	H
	Temp. 98's 88's & L31	1980152	R91S	K

\* NOTE: R91 Not Available For L31 Use On 88's or Std. Use on 98's Until Approx. 10/19/70.  
Ok To Use R91S Per AEO 71-85.

Ref. F-85 PIM 12:150  
B/C PIM 12:142

# 1971 DELCOTRON CODES

Series	Usage	Code	Amp.
L6 3100 & 3500	Std.	DK	37
	N47 Exc. C60, C49, Y72	AW	37
	C49	DJ	63
	C60 or Y72 Exc. C49	DJ	63
F-85, V8 Exc. 4400	Std.	DK	37
	C49	DR	63
	C60 or Y72 Exc. C49	DN	55
4400	Std.	DE	37
	C49	DG	63
	C60 or Y72 Exc. C49	DF	55
88's	Std.	DL	42
	C60, C61, Exc. Y72, L31, C49, K81	DM	55
	C60, C61, Y72 & L31 Exc. C49, K81	DP	61
88's & 98's	C49	DR	63
	K81	AL	65
98's	Std.	DL	42
	C60, C61, Y72 Exc. C49, K81	DP	61

Ref. PIM 6:90 & 6:92

# 1971 INSTRUMENT CLUSTER CODES

Series	Class.	Transmission Type	Option	Code
F-85	Regular	All Syn. or All Auto. with Console (D55 or W26)		RA
		M38 or M40 Exc. D55 or W26		RB
	Export	All Syn. or All Auto. with Console (D55 or W26)		RM
		M38 or M40 Exc. D55, W26		RN
88's & 98's	Regular	All		TA
			UB7	TB
	Police	All	U11	TD
	Export	All	U18	TC

Ref. PIM 1-3:132 B/C  
1-3:90 F-85

# 1971 RADLATORS

F-85

Model	Y72	C60, L30 & L32	C60	3.42 Axle	3.73 Axle	M40	M38	Standard
3100, 3500	SS 3017258	--	SB 3014619	--	--	--	SI 3014744	SH 3014743
3200 3600	ZK 3023883	--	SS 3017258	SS 3017258	--	--	SB 3014619	SD 3014720
4200	ZK 3023883	SU 3017282	SS 3017258	SS 3017258	--	SB 3014619	SB 3014619	SD 3014720
4400	ZK 3023883	--	EB 3020579	SS 3017258	EB 3020579	SZ 3024632	--	SQ 3024631
4800	ZK 3023883	SU 3017282	SS 3017258	--	--	SB 3014619	--	SD 3014720

B/C

Model	Y72	C60, C61 455 Eng.	M38 350 Eng. C60, C61	M40 455 Eng.	M38 350 Eng.	M15
5400	PY 3023777	NB 3020585	BH 3021743	NA 3020584	BN 3014754	BP 3017953
6400	PY 3023777	NB 3020585	--	NA 3020584	--	BP 3017953
6600	PY 3023777	ND 3023005	--	NA 3020584	--	BP 3017953
6800	PY 3023777	NB 3020585	--	NA 3020584	--	BP 3017953
8400 8600	PY 3023777	ND 3023005	--	NA 3020584	--	--
8860	PY 3023777	--	--	--	--	--

Ref. PIM 11:50



# 1971 WHEEL DISCS

P01 14"



F-85 Chrome Wheel Discs

P02 14"



F-85 Deluxe Wheel Discs

P05 14"



F-85 Super Stock Wheels I

N66 14"

N67 14"



F-85 Super Stock Wheels II & III

88 & 98 15"



Std. Chrome Wheel Discs

P03 15"



Deluxe Wheel Discs

P05 15"



88 Super Stock Wheels IV

TORONADO 15"



Std. Chrome Wheel Discs

EXTERIOR PAINT CHART

COLOR CODES & NAMES			SOURCES REFERENCES				WHEEL ENAMEL	
GAL CODE	"WA" CODE	COLOR	INMONT	DU PONT	FORBES	INMONT	DU PONT	
11	3967	CAMEO WHITE	L67ND007	926-99642	870-3967	E29ND008	G766-99642	
13	4121	STERLING SILVER	L68AD015	927-AF112	870-4121	E29AD006	G767-AF112	
19	848	EBONY BLACK	L67KD005	926-96459	870-848	E29K D001	G766-76600	
24	4076	NORDIC BLUE	L68BD068	927-AF156	870-4076	E29BD019	G767-AF156	
26	4069	VIKING BLUE	L68BD061	927-AF017	870-4069	E29BD018	G767-AF017	
42	4115	PALM GREEN	L68GD047	927-AF169	870-4115	E29GD014	G767-AF169	
43	4208	LINE GREEN	L68GD041	927-AF306	870-4006	E29GD008	G767-AF306	
49	4080	ANTIQUE JADE	L68GD091	927-AF159	870-4080	E29GD015	G767-AF159	
53	4139	SATURN GOLD	L68YD004	927-AF175	870-4139	E29YD011	G767-AF175	
61	4059	SANDALWOOD	L67HD004	926-99944	870-4059	E29HD001	G766-99944	
62	4140	BITTERSWEET	L68RD041	927-AF171	870-4140	E29RD015	G767-AF171	
67	4033	SIENNA	L68ND025	927-99768	870-4033	E29ND012	G767-99768	
68	4138	SABLE BROWN	L68ND030	927-AF176	870-4138	E29ND013	G767-AF176	
75	3975	MATADOR RED	L67RD012	926-99730	870-3975	E29RD012	G766-99730	
78	4116	ANTIQUE BRIAR	L68RD036	927-AF170	870-4116	E29RD016	G767-AF170	

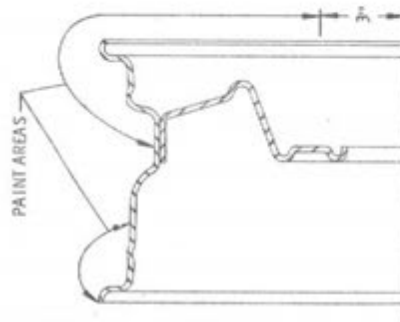


FIG. 1 EXCEPT P05, N66 OR N67 WHEELS

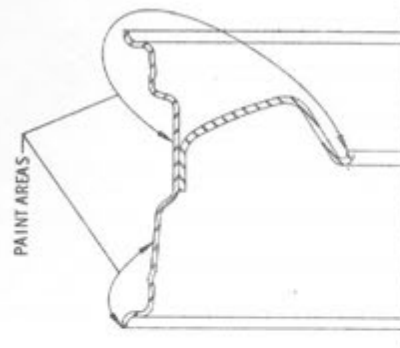


FIG. 3 N66 AND N67 WHEELS ONLY

NOTE: WHEELS ARE TO BE PAINTED EBONY BLACK ENAMEL WITH WHEEL DISCS.

WHEELS ARE TO BE PAINTED IN ENAMEL TO MATCH LOWER BODY COLORS WITH HUB CAPS.

BACK SIDE OF WHEEL AND WITHIN A 3" RADIUS OF THE WHEEL CENTERLINE ARE NOT TO BE PAINTED, ALTHOUGH FOGGING IS PERMITTED. (SEE FIG. 1).

BRAKE DRUM OUTER SURFACE IS TO BE  
 PAINTED CODE #384 WHEN P05 OR N66  
 WHEELS ARE SPECIFIED AS SHOWN IN  
 THE PRODUCT INFORMATION MANUAL,  
 SECTION "D", PAGE 44.

© P05 WHEELS ARE TO BE PAINTED FLAT BLACK ENAMEL, CODE #303; IN AREAS SHOWN. (SEE FIG 2).

N66 WHEELS ARE TO BE PAINTED DARK GRAY LOW GLOSS ENAMEL CODE #372 IN AREAS SHOWN. (SEE FIG. 31).

④ N67 WHEELS ARE TO BE PAINTED LOWER BODY COLORS IN AREAS SHOWN, PER CUSTOMER ORDER. (SEE FIG. 3).

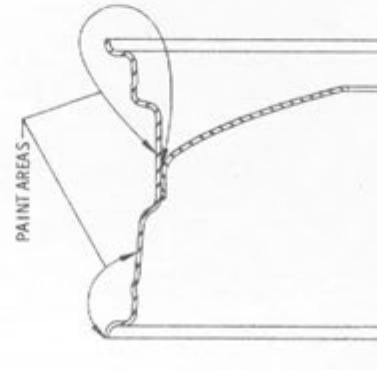


FIG. 2 POS WHEEL ONLY

PAINT STRIPE COLORS					
SALES CODE	GWAD CODE	"WSA" CODE	COLOR	INMONT	DU PONT
AA	11	3967	WHITE	L55H0001	926-99642
BB	19	848	BLACK	L55K0006	926-98685
CC	25	4200	BLUE	L55B0008	
GG	45	4196	GREEN	L55G0003	
HH	55	3918	GOLD	L55L0005	898-99617

INTERIOR COLOR CHART

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Ⓐ

INTERIOR TRIM COMBINATIONS

SERIES & STYLES			TRIM COLORS & NUMBERS					
			BLACK	JADE GREEN	BLUE	WHITE	SANDALWOOD <sup>(C)</sup>	SIENNA
33269	F-85 PILLAR SEDAN	(BENCH)	910v	912v				919v
33287	CUTLASS H.T. COUPE	(BENCH)	900v	902v		907v		909v
33669	CUTLASS PILLAR SEDAN	(BENCH)	920v	922c	923v	927v		929v
33677	CUTLASS 'S' PILLAR COUPE	(BENCH)	940v	952c	943v	947v	948c	949v
33677	CUTLASS 'S' PILLAR COUPE	(BUCKET)	930v			937v		
33687	CUTLASS 'S' H.T. COUPE	(BENCH)	940v	952c	943v	947v	948c	949v
33687	CUTLASS 'S' H.T. COUPE	(BUCKET)	930v	932v	933v	937v		939v
33636	CUTLASS 2-SEAT WAGON	(BENCH)	920v	302v	923v			929v
34239	CUTLASS SUPREME H.T. SEDAN	(NOTCH-BENCH)	960v	962c	963v		968c	969v
34257	CUTLASS SUPREME H.T. COUPE	(BUCKET)	970v	972v	973v	977v		979v
34257	CUTLASS SUPREME H.T. COUPE	(NOTCH-BENCH)	980v 990c	992c	993c	987v	988c	989v
34267	CUTLASS SUPREME CONVERTIBLE	(BUCKET)	970v	972v		977v		979v
34267	CUTLASS SUPREME CONVERTIBLE	(NOTCH-BENCH)	980v		983v	987v		989v
34487	4-4-2 H.T. COUPE	(BUCKET)	930v	932v	933v	937v		939v
34487	4-4-2 H.T. COUPE	(BENCH)	940v	952c	943v	947v	948c	949v
34467	4-4-2 CONVERTIBLE	(BUCKET)	970v	972v		977v		979v
34467	4-4-2 CONVERTIBLE	(NOTCH-BENCH)	980v		983v	987v		989v
34856	VISTA-CRUISER, 2-SEAT	(BENCH)	310v	312v	313v			319v
34866	VISTA-CRUISER, 3-SEAT	(BENCH)	310v	312v	313v			319v

- NOTES: 1. "C" AFTER TRIM NUMBER DENOTES CLOTH AND VINYL TRIM.  
2. "V" AFTER TRIM NUMBER DENOTES ALL-VINYL TRIM.  
3. MODELS MARKED (BENCH) HAVE CONVENTIONAL BENCH SEATS.  
4. MODELS MARKED (BUCKET) HAVE FRONT BUCKET SEATS.  
5. MODELS MARKED (NOTCH-BENCH) HAVE NOTCH-BACK BENCH W/FOLDING CENTER ARMREST.  
6. TRIMS #930v AND #937v (33677 ONLY) TO BE PHASED OUT OF PRODUCTION APPROXIMATELY 10-1-70.  
7. TRIMS #948c (33677, 33687, 34487), #968c (34239) AND #988 (34257) TO ENTER PRODUCTION APPROXIMATELY 10-1-70.

SHEET 3

TITLE CHART - PAINT & TRIM SPECIFICATIONS

MANUAL SEC. PAGE		0 38	
OLDSMOBILE PRODUCT INFORMATION MANUAL		PART NO. 407708	
SERIES A		REF.	
DATE APRIL 10, 1970		BY B. J. J. J.	
CHECKED J. J. J.		APPROVED J. J. J.	
DATE	SYM	DATE	SYM
9/7/70	C	9/7/70	B
9/7/70	B	9/7/70	A
9/7/70	A	9/7/70	P
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9/7/70	A	9/7/70	M
9/			



#### RECOMMENDED COLOR USAGE

SINGLE TONE CARS:

SINGLE TONE CARS:		INTERIOR TRIM COLORS					
		BLACK	JADE GREEN	BLUE	WHITE	SANDAL- WOOD <sup>(D)</sup>	SIENNA
CODE	EXTERIOR COLORS						
11	CAMEO WHITE	X	X	X	X	X	X
13	STERLING SILVER	X		X	X		
19	EBONY BLACK	X		X	X	X	
24	NORDIC BLUE	X		X	X		
26	VIKING BLUE	X		X	X		
42	PALM GREEN	X	X		X	X	
43	LIME GREEN	X	X		X	X	
49	ANTIQUE JADE	X	X		X	X	
53	SATURN GOLD	X			X	X	
61	SANDALWOOD	X	X		X	X	X
62	BITTERSWEET	X			X	X	X
67	SIENNA	X			X	X	X
68	SABLE BROWN	X			X	X	X
75	MATADOR RED	X			X	X	
78	ANTIQUE BRIAR	X			X	X	

CONVERTIBLE TOP USAGE:

CODE	COLOR	RECOMMENDED USAGE
A	WHITE	ALL COLORS
B	BLACK	ALL COLORS
E	SANDALWOOD	11, 19, 42, 43, 49, 53, 61, 62, 67, 68, 78
G	GREEN	11, 42, 43, 49, 61

VINYL ROOF COVER USAGE:

CODE	COLOR	RECOMMENDED USAGE
A	WHITE	ALL COLORS
B	BLACK	ALL COLORS
C	BLUE	11, 13, 19, 24, 26
E	SANDALWOOD	11, 19, 42, 43, 49, 53, 61, 62, 67, 68, 75, 78
G	GREEN	11, 42, 43, 49, 61

RECOMMENDED COLOR COMBINATIONS FOR TWO TONE CARS

NOTE: UPPER AND LOWER BODY  
COLORS MAY BE REVERSED.

CODE	EXTERIOR TRIMS		INTERIOR TRIM COLORS					
			BLACK	JADE GREEN	BLUE	WHITE	SANDAL- WOOD (B)	SIENNA
11 13	CAMEO WHITE	STERLING SILVER	X			X		
11 19	CAMEO WHITE	EBONY BLACK	X			X		
11 24	CAMEO WHITE	NORDIC BLUE			X	X		
11 26	CAMEO WHITE	VIKING BLUE			X	X		
11 42	CAMEO WHITE	PALM GREEN		X		X		
11 43	CAMEO WHITE	LIME GREEN		X		X		
11 49	CAMEO WHITE	ANTIQUE JADE		X		X		
11 53	CAMEO WHITE	SATURN GOLD				X		
11 61	CAMEO WHITE	SANDALWOOD				X	X	X
11 62	CAMEO WHITE	BITTERSWEET				X		X
11 67	CAMEO WHITE	SIENNA				X	X	X
11 68	CAMEO WHITE	SABLE BROWN				X	X	X
11 75	CAMEO WHITE	MATADOR RED				X		
11 78	CAMEO WHITE	ANTIQUE BRIAR				X	X	
13 19	STERLING SILVER	EBONY BLACK	X					
13 24	STERLING SILVER	NORDIC BLUE			X			
13 26	STERLING SILVER	VIKING BLUE			X			
19 24	EBONY BLACK	NORDIC BLUE	X		X			
19 26	EBONY BLACK	VIKING BLUE	X		X			
19 42	EBONY BLACK	PALM GREEN	X					
19 43	EBONY BLACK	LIME GREEN	X					
19 53	EBONY BLACK	SATURN GOLD	X					
19 61	EBONY BLACK	SANDALWOOD	X				X	
19 62	EBONY BLACK	BITTERSWEET	X					X
19 75	EBONY BLACK	MATADOR RED	X					
24 26	NORDIC BLUE	VIKING BLUE			X			
42 43	PALM GREEN	LIME GREEN		X				
42 49	PALM GREEN	ANTIQUE JADE		X				
43 49	LIME GREEN	ANTIQUE JADE		X				
49 61	ANTIQUE JADE	SANDALWOOD		X			X	
61 68	SANDALWOOD	SABLE BROWN					X	X
61 62	SANDALWOOD	BITTERSWEET					X	X
61 67	SANDALWOOD	SIENNA					X	X
61 78	SANDALWOOD	ANTIQUE BRIAR					X	X
62 67	BITTERSWEET	SIENNA					X	X
62 68	BITTERSWEET	SABLE BROWN					X	X

TITLE CHART - PAINT & TRIM SPECIFICATIONS

DATE APRIL 23 1970

DR. B.W. SUMMERS

CHECKED COHEN, J. J.

APR 1 1970

DR. CK. APPRO.

REVISION

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SHEET 5

MANUAL SEC. PAGE

0 40

PRODUCT INFORMATION MANUAL

SERIES

A

PART NO.

407708

REF.

APR 1 1970

DR. CK. APPRO.

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## SHEET 6

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1. PAINT STRIPES ARE STANDARD EQUIPMENT ON 4-4-2 MODELS. OPTIONAL EQUIPMENT ON CUTLASS SUPREME (57 & 67 STYLES), CUTLASS "S" (77 & 87 STYLES) AND CUTLASS (3287) MODELS.

- |         |                                    |
|---------|------------------------------------|
| STRIPE  | EXTERIOR (LOWER BODY COLOR)        |
| A-WHITE | 19, 26, 49, 67, 68, 78             |
| B-BLACK | 11, 13, 24, 42, 43, 53, 61, 62, 75 |

[illegible]

## SHEET 6

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STRIPE	EXTERIOR (LOWER BODY COLOR)
A-WHITE	19, 26, 49, 67, 68, 78
B-BLACK	11, 13, 24, 42, 43, 53, 61, 62, 75

1



MISCELLANEOUS TRIM PARTS

CONSOLES: (OLDS I.B.M. CODE 4)

TRIM COLOR	PAINTED BODY	MADRID GRAIN MAP CASE APPLIQUE (VINYL LAMINATE)
BLACK OR WHITE	BLACK, W25A-848	BLACK, 3200-T
JADE GREEN	DK. JADE, W25A-4108	DK. JADE, 5518-T
BLUE	DK. BLUE, W25A-4106	DK. BLUE, 5506-T
SIENNA	DK. SIENNA, W25A-4134	DK. SIENNA, 5512-T

AUXILIARY FLOOR MATS: (OLDS I.B.M. CODE 4)

COLOR	TRIM COLOR USAGE
BLACK	BLACK, WHITE
DK. JADE	JADE GREEN
DK. BLUE	BLUE
DK. SIENNA	SIENNA
DK. BEIGE	SANDALWOOD

TRUNK TRIM: (OLDS I.B.M. CODE 5)

TRUNK LINING	TRUNK (K.B.) BOARD	USAGE
TURQ./BLACK NON-WOVEN RAYON ON FOAM (1-T-1769)	TURQ./BLACK RANDOM PRINT (967-T-4269)	ALL MODELS

SEAT/SHOULDER BELTS - STANDARD TYPE: (OLDS I.B.M. CODE 7)

WEBBING COLOR	RETRACTOR COLOR	BUCKLE COLOR	TRIM COLOR USAGE
BLACK	BLACK	BLACK	ALL TRIMS

SEAT/SHOULDER BELTS - DELUXE TYPE: (OLDS I.B.M. CODE 7)

WEBBING COLOR	RETRACTOR COLOR	BUCKLE FINISH	TRIM COLOR USAGE
BLACK	BLACK	SATIN/BRITE	BLACK, WHITE
DK. JADE	DK. JADE	SATIN/BRITE	JADE GREEN
DK. BLUE	DK. BLUE	SATIN/BRITE	BLUE
DK. SIENNA	DK. SIENNA	SATIN/BRITE	SIENNA
MED. BEIGE	MED. BEIGE	SATIN/BRITE	SANDALWOOD

SHEET 7

TITLE CHART - PAINT & TRIM SPECIFICATIONS

DATE	APRIL 20, 1970	DR.	BY	777, SUMAN	CHECKED	C. J. Hines	APPR.	T. J. F.	DATE	APR. 20, 1970	DR.	CK.	APPR.	DATE	APR. 20, 1970	DR.	CK.	APPR.	
FIRST USED					1971					REF.					REV.				
MANUAL SEC.					0					PAGE					42				
OLDSMOBILE PRODUCT INFORMATION MANUAL					PART NO.					A					407708				
SERIES					A					REV.					REV.				
REVISION					REVISION					REVISION					REVISION				
DATE					DATE					DATE					DATE				
SYM					SYM					SYM					SYM				

#### MISCELLANEOUS PARTS REQUIREMENTS

THE PARTS LISTED BELOW ARE SPECIFIED IN THE COLORS INDICATED.  
(REFER TO SHEET 3 FOR SPECIFIC TRIM COMBINATION NUMBERS).

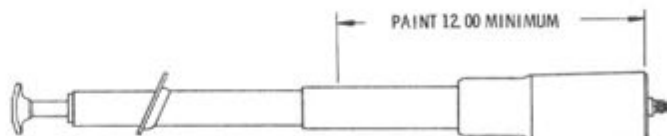
COLUMN 1

COLUMN 2

TRIM COLORS	UPPER INSTRUMENT PANEL (WOA) - OLDS 1BM CODE 1	WINDOW FRAMES (W25A)
	(F) V. I. N. TRIM PLATE (WOA) - OLDS 1BM CODE 1	CENTER PILLARS (POLYPROPYLENE)
	SAFETY PAD (WOA) - OLDS 1BM CODE 1	STATION WAGON REAR SPEAKER GRILLE (W250E)
	CONTROL PANEL (W25A) - OLDS 1BM CODE 8	
	GLOVE BOX DOOR (W25A) - OLDS 1BM CODE 8	
	ASH TRAY DOOR (W25A) - OLDS 1BM CODE 8	
	RADIO HOLE COVER (W25A) - OLDS 1BM CODE 8	
	(C) LOWER INSTRUMENT PANEL (WOA) - OLDS 1BM CODE 2	
	COVER - STEERING COLUMN (WOA) - OLDS 1BM CODE 2	
	STEREO CASE (WOA) - OLDS 1BM CODE 2	
	STEREO CASE PAD (VINYL PAINT WOA) - OLDS 1BM CODE 2	
	PACKAGE SHELF (WOA)	
	LOWER A/C VALANCE PANEL (WOA) - OLDS 1BM CODE 2	
	(D) WINDSHIELD PILLARS (W250E)	
	STEERING COLUMN (W25A) - OLDS 1BM CODE 3	
	JACKET - STEERING COLUMN (W25A) - OLDS 1BM CODE 3	
	TURN SIGNAL HOUSING (W25A) - OLDS 1BM CODE 3	
	STANDARD STEERING WHEEL (PLASTIC) - OLDS 1BM CODE 3	
DELUXE STEERING WHEEL (PLASTIC) - OLDS 1BM CODE 3		
STEERING WHEEL PADS (MOLDED VINYL) - OLDS 1BM CODE 3		
(E) SPORT STEERING WHEEL HUB ASM (W25A) - OLDS 1BM CODE 3		
BLACK	BLACK W-848	BLACK W-848
JADE GREEN	DK. JADE W-4108	DK. JADE W-4108
BLUE	DK. BLUE W-4106	DK. BLUE W-4106
WHITE	BLACK W-848	IVORY W-3988
SIENNA	DK. SIENNA W-4134	DK. SIENNA W-4134
SANDALWOOD	DK. BEIGE W-4110	LT. SANDALWOOD W-3989

CLUSTER APPLIQUE:  
VINYL CLAD STEEL, "ROSEWOOD" (3M, 7-527-XA)  
STANDARD EQUIPMENT ON ALL MODELS.

LOWER INSTRUMENT PANEL APPLIQUES:  
VINYL CLAD STEEL, "ROSEWOOD" (3M, 7-527-XA)  
STANDARD EQUIPMENT ON 4200, 4400 & 4800 MODELS.  
OPTIONAL EQUIPMENT ON ALL OTHER MODELS.









# OLDSMOBILE DIVISION

GENERAL MOTORS CORPORATION  
LANSING 21, MICHIGAN

## 1. VEHICLE IDENTIFICATION NUMBER

ON EMBOSSED PLATE LOCATED ON THE BODY LEFT HAND UPPER INSTRUMENT PANEL. SEE SECTION "D", CHART 408539, PAGE 20, FOR VEHICLE PLATE STARTING SERIAL NUMBERS.

## 2. ENGINE UNIT NUMBER: (FOR MANUFACTURING AND SERVICE USE)

V-8 ENGINES:

UNIT NUMBER IS STAMPED ON THE ENGINE OIL FILL TUBE. THE ENGINE CODE TAPE IS INSTALLED DIRECTLY ABOVE THE ENGINE NUMBER. THE COMPLETE ENGINE NUMBER SHALL CONSIST OF THE ENGINE CODE FOLLOWED BY THE SEVEN DIGIT NUMBER.

STARTING ENGINE UNIT NUMBERS: SEE SECTION 6-1, CHART 408719, PAGE 80  
EXAMPLE: QA1000001

L-6 ENGINES:

THERE IS NO L-6 ENGINE UNIT NUMBER. A DATE CODE IS STAMPED ON A PAD ON THE RIGHT HAND SIDE OF THE CYLINDER BLOCK TO THE REAR OF THE DISTRIBUTOR.

EXAMPLES: F0204VF, F1112VB

"F" WILL DESIGNATE FLINT MOTOR PLANT. THE FIRST TWO (2) DIGITS DESIGNATE THE MONTH AND THE SECOND TWO (2) DIGITS DESIGNATE THE DAY THE UNIT WAS PRODUCED (0204 = FEBRUARY 4, 1112 = NOVEMBER 12). THE LAST TWO (2) LETTERS DESIGNATE THE TYPE OF ENGINE.

VB = SMT WITH C60 OR Y72 VF = AUTO. TRANSMISSION WITH C60 OR Y72

## 3. TRANSMISSION UNIT NUMBER: (FOR MANUFACTURING AND SERVICE USE)

MANUAL TRANSMISSION:

DEPENDING ON THE TYPE OF 3-SPEED OR 4-SPEED MANUAL TRANSMISSION, THE DATE CODE AND SERIAL NUMBER WILL BE AS FOLLOWS:

3-SPEED MANUAL - DATE CODE STAMPED ON RIGHT REAR OF CASE.

EXAMPLE: S1S05 (S = STD. 3-SPEED MANUAL, 1 = 1971, S = NOVEMBER, 05 = 5TH DAY)  
H1C11 (H = M14 3-SPEED H. D., 1 = 1971, C = MARCH, 11 = 11TH DAY)

MONTH CODES FOR THE ABOVE ARE AS FOLLOWS:

A = JANUARY	E = MAY	P = SEPTEMBER
B = FEBRUARY	H = JUNE	R = OCTOBER
C = MARCH	K = JULY	S = NOVEMBER
D = APRIL	M = AUGUST	T = DECEMBER

1" HIGH CODE LETTERS TO ALSO APPEAR ON THE R. H. SIDE OF THE CASE.

4-SPEED MANUAL - DATE CODE STAMPED ON THE REAR R. H. SIDE OF CASE.

EXAMPLE: R1R07A OR B (R = M20 OR M21 4-SPEED MANUAL, 1 = 1971, R = OCTOBER, 07 = 7TH DAY, A = M20 OR B = M21)  
P1P09C (P = H. D. 4-SPEED, 1 = 1971, P = SEPTEMBER, 09 = 9TH DAY, C = M22 H. D. 4-SPEED MANUAL)

TURBO HYDRA-MATIC 350 TRANSMISSION YEAR, MODEL AND DATE CODE INFORMATION IS STAMPED ON THE BAND SERVO COVER WHICH IS LOCATED ON THE R. H. SIDE OF THE TRANSMISSION. THIS INFORMATION CONSISTS OF TWO DIGITS FOR THE MODEL YEAR, TWO LETTERS FOR THE MODEL CODE, THREE DIGITS TO INDICATE THE DAY OF PRODUCTION THAT THE TRANSMISSION WAS BUILT AND N OR D TO INDICATE NIGHT OR DAY SHIFT.

TURBO HYDRA-MATIC 400 TRANSMISSION SERIAL NUMBER IS STAMPED ON A PLATE LOCATED ON THE RIGHT HAND SIDE OF THE CONVERTER HOUSING.

EXAMPLES: 710G1001, 710L1001, ETC.

FOR MODEL CODE AND TRANSMISSION USAGE, SEE SECTION "7", CHART 408834, PAGE 98.

## 4. REAR AXLE ASSEMBLY NUMBERS: (FOR MANUFACTURING AND SERVICE USE)

THE FOLLOWING IS STAMPED ON THE FRONT OF THE R. H. AXLE TUBE ADJACENT TO THE CARRIER:

A. RATIO CODE - SEE SECTION 4, CHART 407593, PAGE 93, FOR RATIOS AND CODES.

B. LETTER TO INDICATE MANUFACTURER (O - OLDSMOBILE, B - BUICK, C - CHEVROLET, P - PONTIAC, K - MCKINNON).

C. NUMBER INDICATING THE DAY OF THE YEAR BUILT (1 TO 366).

## 5. PROTECTIVE NUMBERS:

A. THE LAST EIGHT (8) SYMBOLS OF THE VEHICLE NUMBERS ARE STAMPED AT SEVERAL LOCATIONS ON EVERY CAR.

LOCATIONS OF THIS NUMBER MAY BE OBTAINED BY CONTACTING EITHER OF THE FOLLOWING OFFICES:  
PRODUCTION MANAGER OR STANDARDS ENGINEER  
LANSING, MICHIGAN

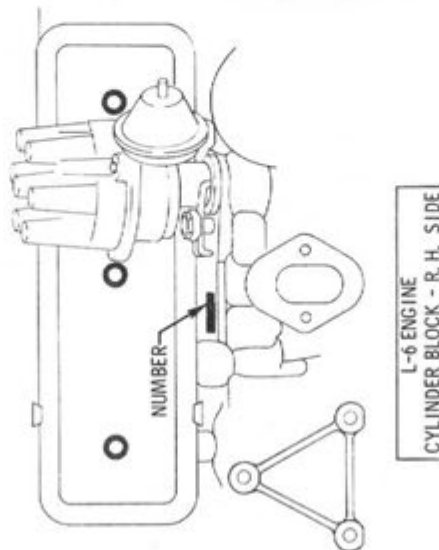
B. IN ADDITION TO THESE CONFIDENTIAL NUMBERS, EACH VEHICLE ENGINE AND TRANSMISSION MUST BE STAMPED WITH A DERIVATIVE OF THE VEHICLE IDENTIFICATION NUMBER. THIS NUMBER OMMITS THE SERIES AND BODY STYLE FROM THE VEHICLE IDENTIFICATION NUMBER AS FOLLOWS:

VEHICLE IDENTIFICATION NUMBER - 336691M100001  
ENGINE AND TRANSMISSION PROTECTIVE NUMBER - 31M100001

SEE SECTION "D", CHART 407266-7-8, PAGE 118, FOR LOCATION OF EACH COMPONENT.

CHART - VEHICLE IDENTIFICATION									
TITLE		DATE		FIRST USED		OLDSMOBILE PRODUCT INFORMATION MANUAL		MANUAL SEC. PAGE	
DATE MAY 12 1970		1971		1971		O		22	
DR. BY L. SPITZBERG		CHECKED		APPR.		SERIES		PART NO.	
DR. CK.		DR. CK.		DR. CK.		A		407266	
REVISION		DATE		SYM		DATE		SYM	

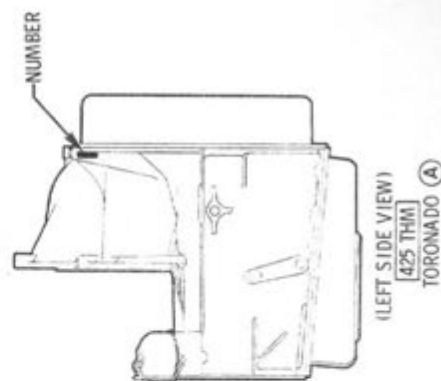
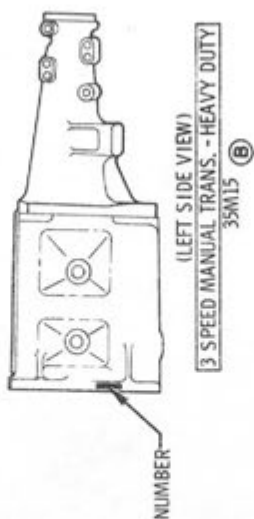
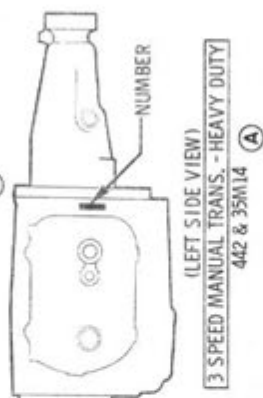
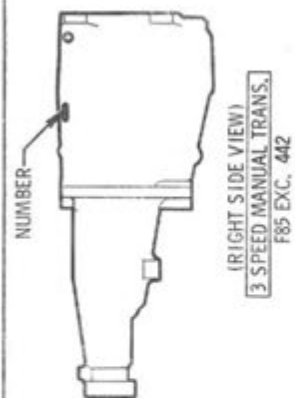
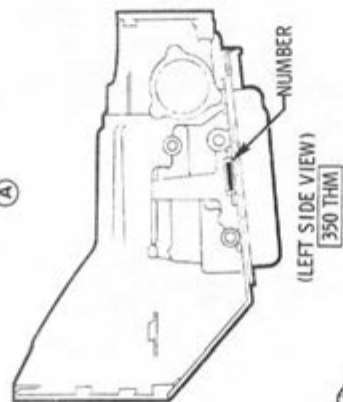
GENERAL MOTORS CORPORATION  
LANSING 21, MICHIGAN



IF EACH VEHICLE ENGINE AND TRANSMISSION MUST BE STAMPED WITH A DERIVATIVE OF THE VEHICLE IDENTIFICATION NUMBER, THIS NUMBER OMTS THE SERIES AND BODY STYLE AS FOLLOWS:

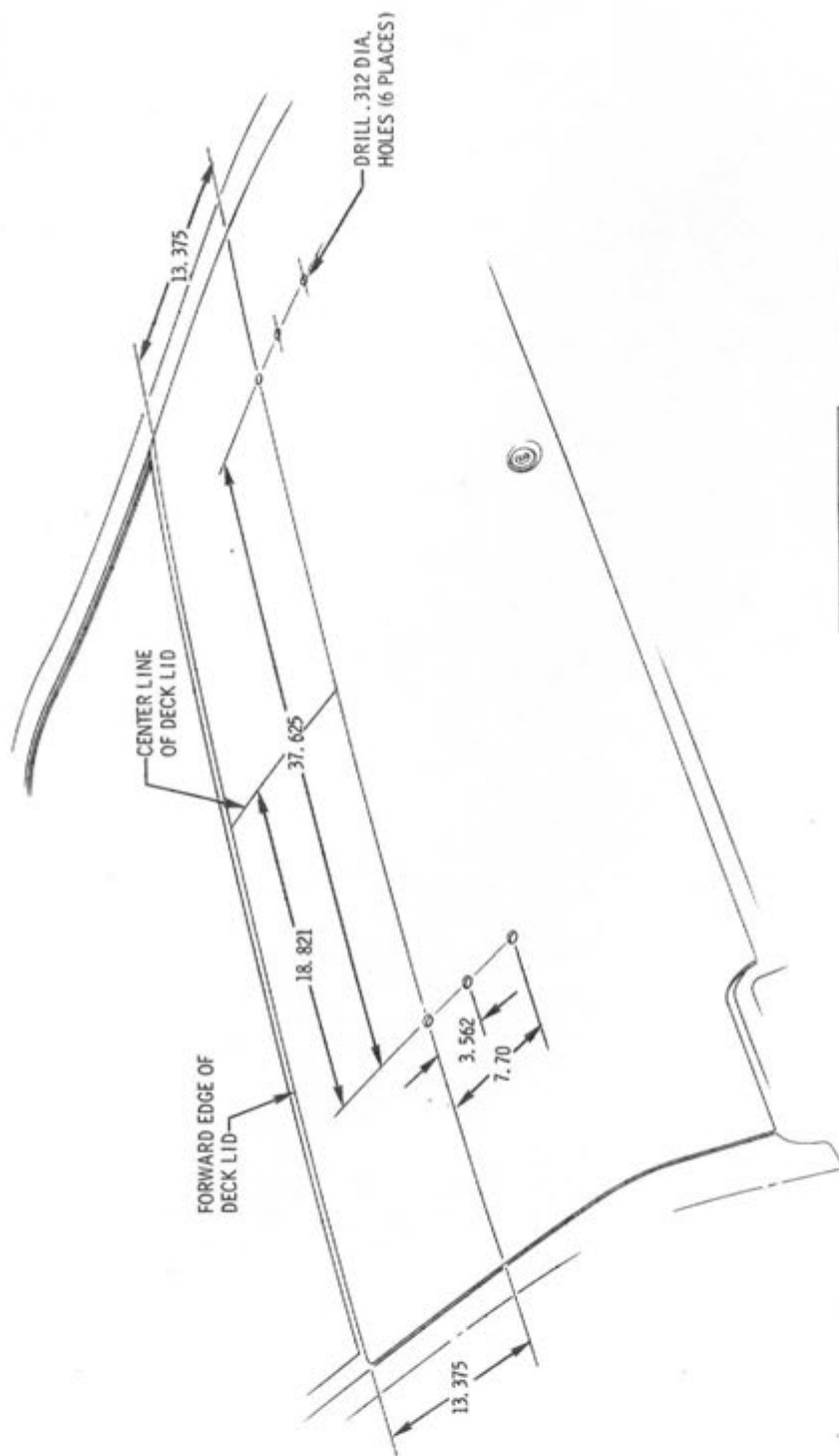
VEHICLE IDENTIFICATION NUMBER = 396571M700001  
ENGINE & TRANSMISSION PROTECTIVE NUMBER = 31M700001  
SEE PAGE 22 FOR ADDITIONAL INFORMATION.

THE FOLLOWING REPAIR PROCEDURE WILL APPLY TO THE ABOVE STAMPED NUMBERS: "WHEN NO MORE THAN TWO (2) OF THE NINE CHARACTERS ARE INCORRECT IT WILL BE PERMISSIBLE TO OBLITERATE ONLY THE INCORRECT CHARACTER(S) WITH AN "X". STAMP AND RESTAMP THE CORRECT CHARACTER(S) ABOVE OR BELOW. IN THOSE INSTANCES WHERE THREE (3) OR MORE CHARACTERS ARE ERRONEOUS THE ENTIRE NUMBER IS TO BE OBLITERATED WITH AN "X". STAMP AND RESTAMP THE CORRECT NUMBER ABOVE OR BELOW THE ORIGINAL. IN THOSE CASES WHERE SPACE DOES NOT PERMIT OBLITERATION AND RESTAMP, ABOVE OR BELOW, THE ENTIRE NUMBER IS TO BE GROUND OFF AND RESTAMPED".



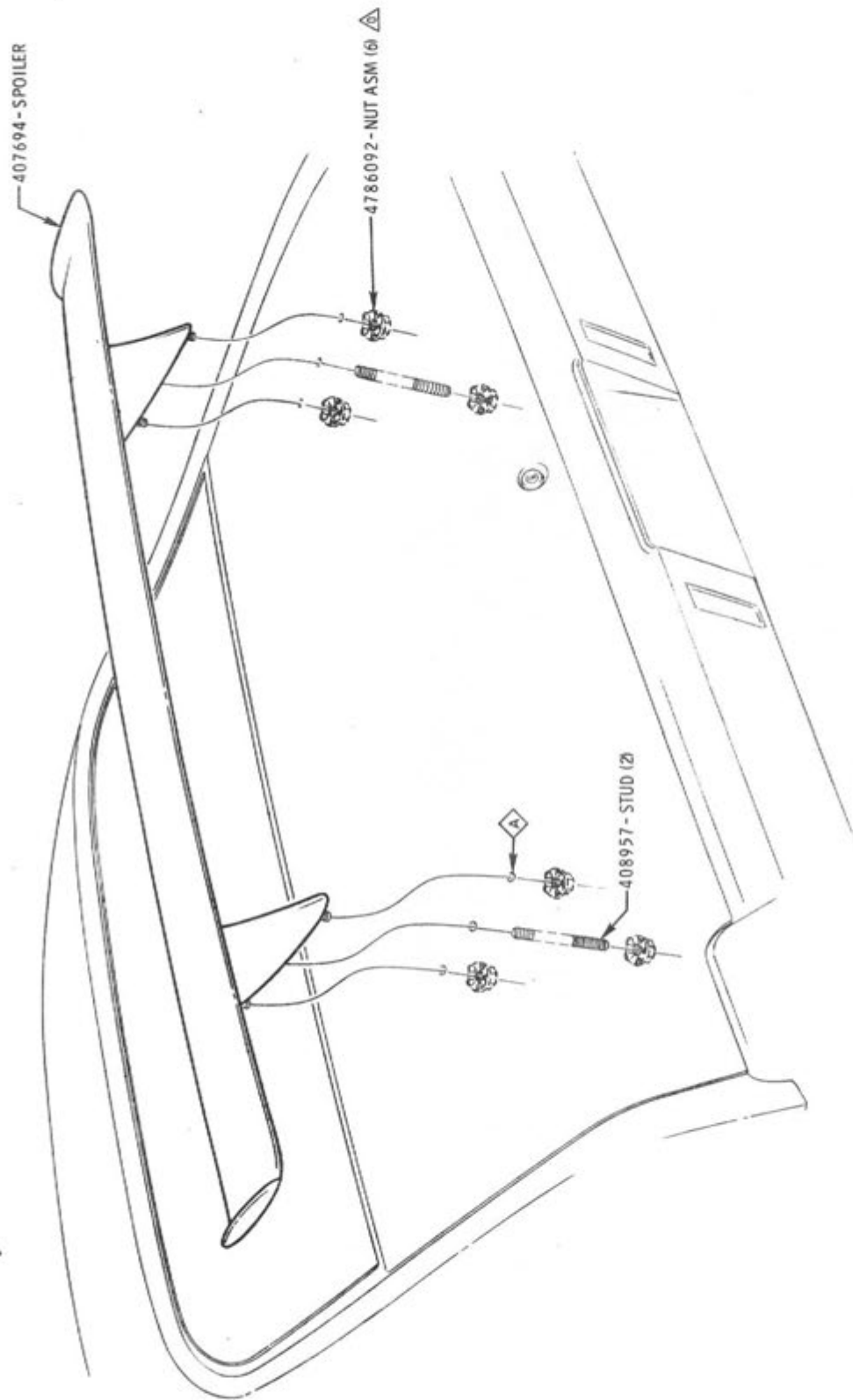
NOTE: STAMP PROTECTIVE NUMBER ON SIDE OF TRANSMISSION AT LOCATION SHOWN.

						TITLE	PROTECTIVE NUMBER STAMPING - ENGINE AND TRANSMISSION						PAGE	
						DRAWN BY	A.L. MASON	FIRST USED	1971	OLDMOBILE PRODUCT INFORMATION MANUAL	O	118		
						CHECKED BY	Mason	REF.		SERIES		PART NO.		
						DATE	10-28-70					407266-7-8		
						REVISION	B							
						SYN	A4							
						DATE	10-28-70							



HOLE DRILLING LAYOUT  
(DECK LID)

TITLE				35W35 SPOILER INSTALLATION			
DATE	JAN. 22, 1970	FIRST USED	1971	OLDMOBILE PRODUCT	1-4	MANUAL SEC.	180
DR. BY	A. F. PALLELY	OLDMOBILE PRODUCT	1971	INFORMATION MANUAL	1-4	MANUAL SEC.	180
CHECKED		REF.	3.5" W 8"	SERIES	A	PART NO.	407266
APPR.		APPR.					
DATE	SYM	REVISION	DR. CLK	APPR.			



APPLY A WAD OF 9981145 - SEALER OVER HOLES ON TOP OF DECK LID, AND OVER FASTENINGS ON INSIDE OF DECK LID.

[illegible]

FULLY DRIVEN, SEATED  
AND NOT STRIPPED

580822-LABEL

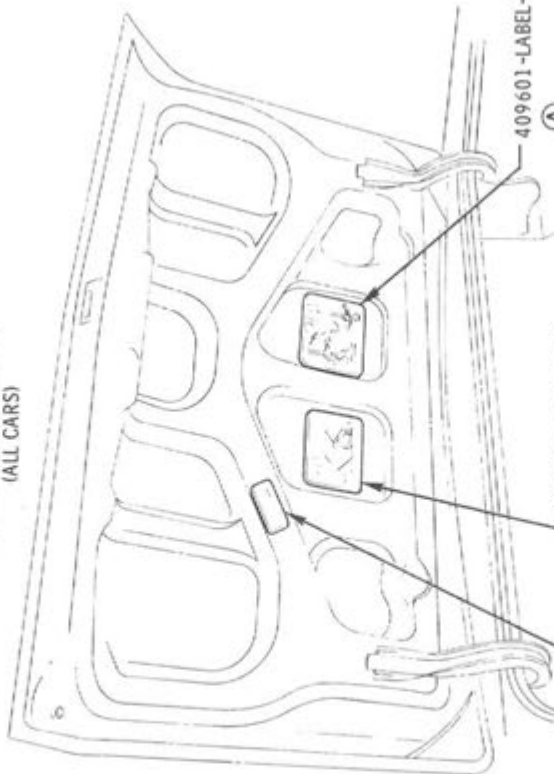
AFFIX TO LIFT ASM  
IN APPROX. LOCATION SHOWN



JACK LIFT ASM

JACK CAUTION LABEL

(ALL CARS)



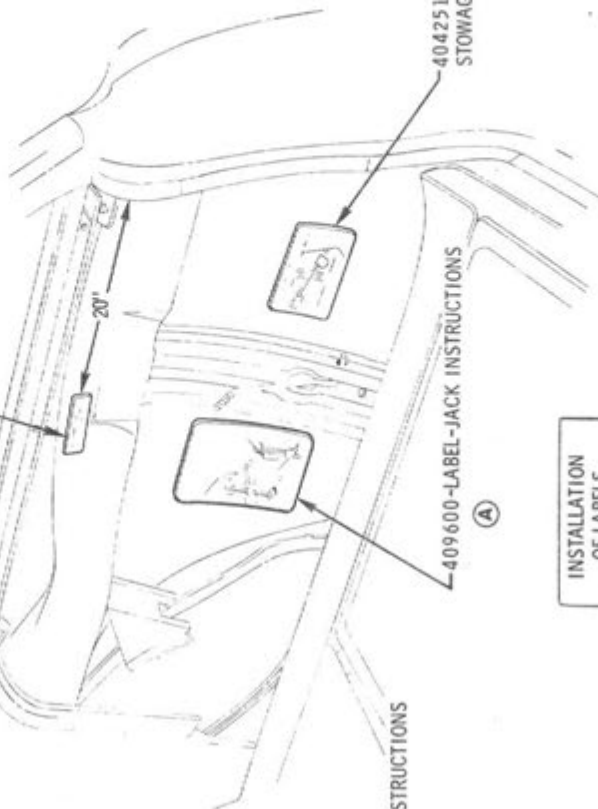
409601-LABEL-JACK INSTRUCTIONS

404252-LABEL-JACK  
STOWAGE INSTRUCTIONS  
(EXC. 35N66, 35N67 & 35P05) (B)

404303-LABEL-JACK  
STOWAGE INSTRUCTIONS  
(35N66, 35N67 & 35P05) (B)

587514-LABEL-ANTI SPIN  
DIFFERENTIAL

587514-LABEL  
ANTI SPIN DIFFERENTIAL  
LOCATE APPROX.  
LOCATION SHOWN



409600-LABEL-JACK INSTRUCTIONS

404251-LABEL-JACK  
STOWAGE INSTRUCTIONS

INSTALLATION OF LABELS  
STATION WAGONS

INSTALLATION OF LABELS  
(EXCEPT STATION WAGONS)

TITLE		FIRST USED		OLDSMOBILE PRODUCT INFORMATION MANUAL		MANUAL SEC.		PAGE	
DATE MAY 29 1968		1971		O		106		407266	
OR BY B. PARKER		REF. 148		SERIES A		PART NO.		407266	
6.3.70 B: 35N67 OPT ADDED		CHECKED 1.1.71		APPROVED 1.1.71		REV. 148		407266	
6.3.70 A: 409600-1 LABELS ADDED		REVISION		DATE		SYM		DATE	
OR CK.		OR CK.		OR CK.		OR CK.		OR CK.	



TYPING REQUIREMENTS FOR RETAIL PRICE LABEL  
KEELOX 41-75 (BLACK) OFFSET SILK RIBBON  
(FOR TYPEWRITERS)

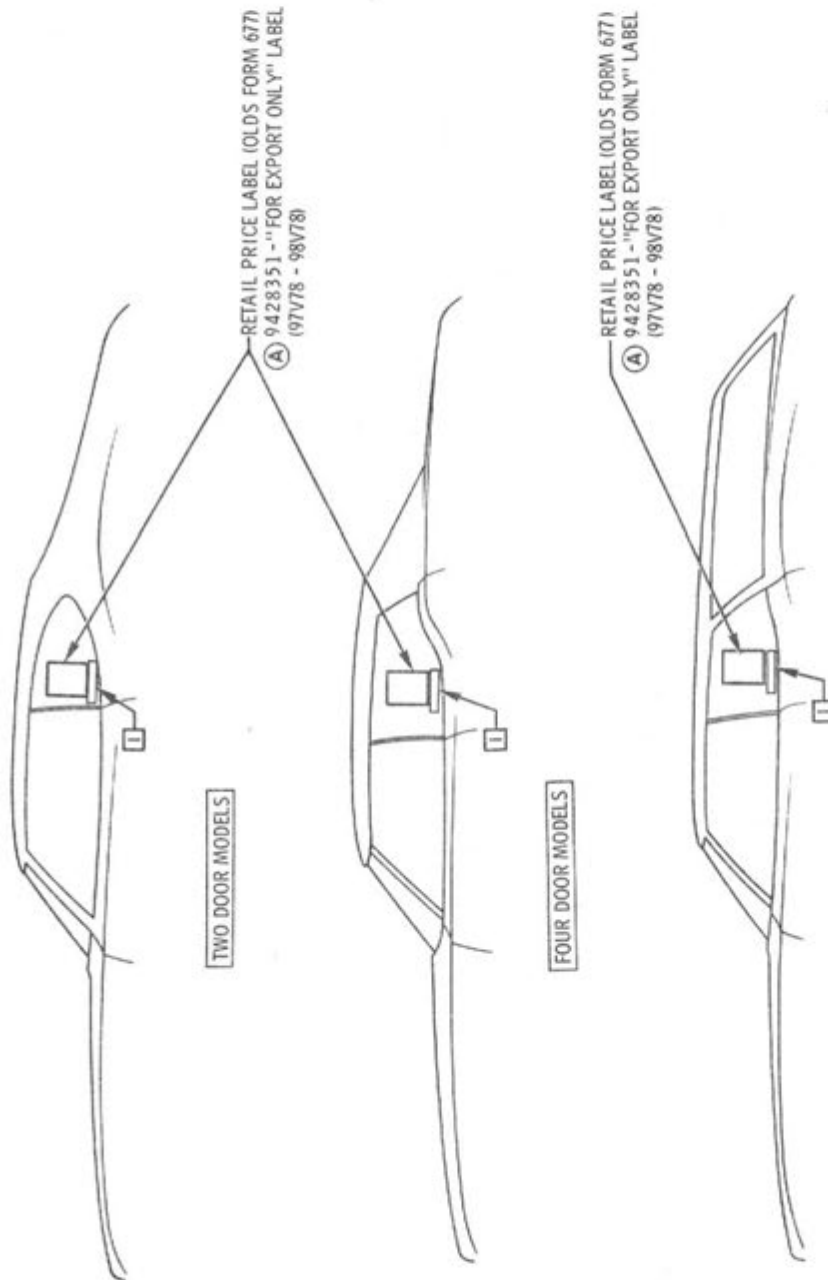
KEELOX 41-78 (BLACK) OFFSET SILK RIBBON  
(FOR I. B. M. TYPE TABULATING MACHINES)  
RIBBON MUST BE REPLACED AS SOON AS IT  
STARTS TO LOSE ITS ORIGINAL DARKNESS.

IT IS ESSENTIAL THAT THE TYPING REQUIREMENTS  
BE STRICTLY ADHERED TO. IF THE "KEELOX"  
RIBBONS SPECIFIED ARE NOT USED, THERE IS THE  
POSSIBILITY THAT THE TYPED LETTERS WILL FADE  
OUT WHEN SUBJECTED TO SUNLIGHT.

METHOD OF APPLICATION:

WET LABEL, USING A POTDEVIN OR SIMILAR  
MACHINE CONTAINING WATER INSTEAD OF GLUE.  
THE LABELS ARE TO BE PASSED THROUGH THE  
MACHINE SO THAT THE FACE (ADHESIVE) SIDE IS  
MOISTENED. THEN AFFIX LABEL INSIDE OF L. H.  
REAR SIDE WINDOW IN POSITIONS SHOWN.

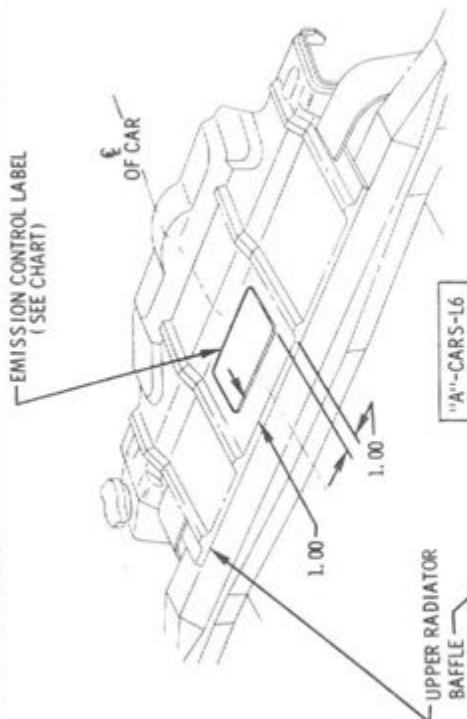
AFTER LABEL IS ATTACHED TO THE INSIDE OF THE  
GLASS, A SQUEEGEE SHOULD BE USED TO REMOVE  
ALL AIR POCKETS.



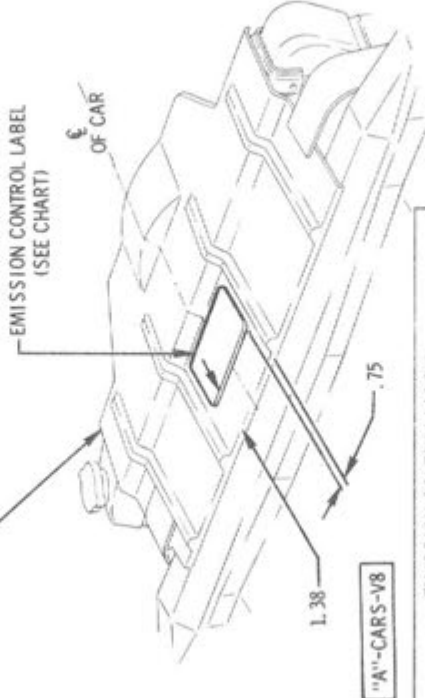
- ☐ CALIFORNIA CARS ONLY: -  
410300 - LABEL - EXHAUST EMISSION -  
250 CU. IN. ENGINE  
☐ 410301 - LABEL - EXHAUST EMISSION -  
350 CU. IN. ENGINE  
410302 - LABEL - EXHAUST EMISSION  
455 CU. IN. ENGINE

(LABELS ARE PRESSURE SENSITIVE AND ARE APPLIED  
TO INSIDE SURFACE OF WINDOW)

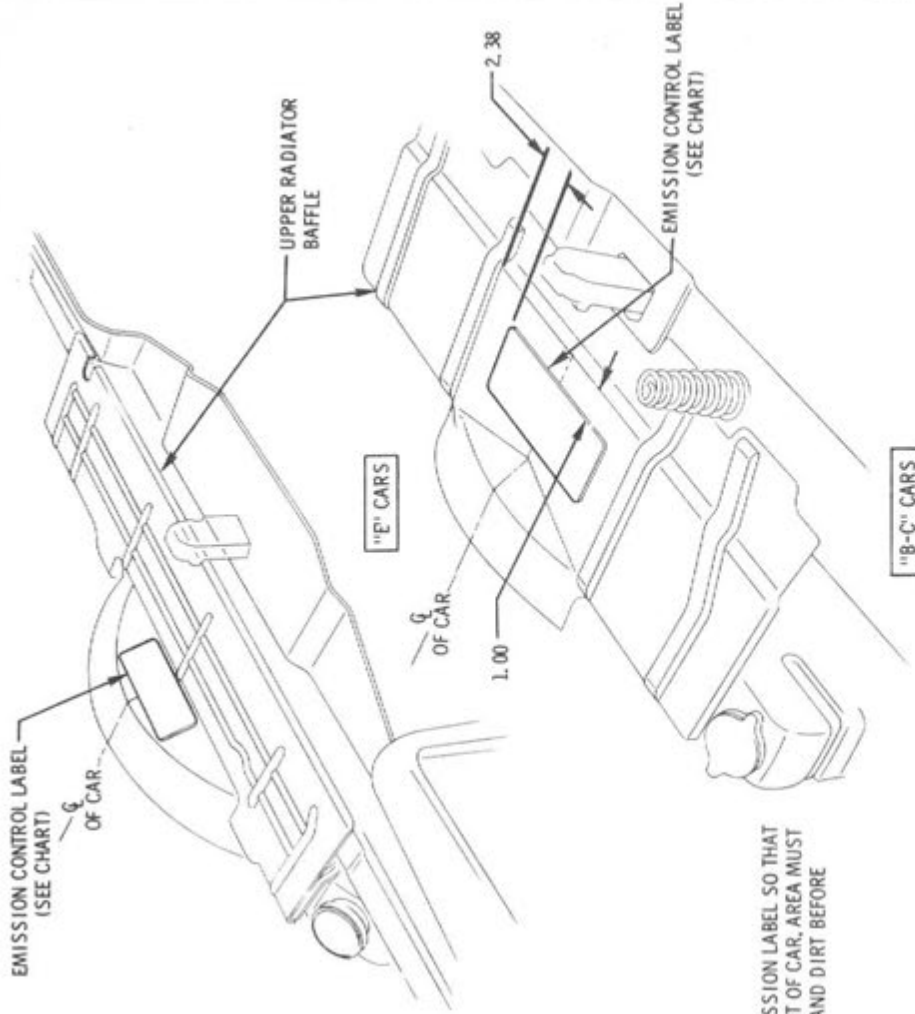
TITLE				LABEL LOCATIONS				MANUAL SEC		PAGE	
DATE	10-10-78	BY	A. L. MASON	DATE	10-10-78	BY	A. L. MASON	0	108		
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REVISION		DATE		REVISION		DATE					
DATE	10-10-78	BY	A. L. MASON	DATE	10-10-78	BY	A. L. MASON				
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REVISION		DATE		REVISION		DATE					
DATE	10-10-78	BY	A. L. MASON	DATE	10-10-78	BY	A. L. MASON				
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REVISION		DATE		REVISION		DATE					
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DATE	10-10-78	BY	A. L. MASON	DATE	10-10-78	BY	A. L. MASON				
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CHECKED	10-10-78	APPROVED	10-10-78	CHECKED	10-10-78	APPROVED	10-10-78				
REVISION		DATE		REVISION		DATE					
DATE	10-10-78	BY	A. L. MASON	DATE	10-10-78	BY	A. L. MASON				
CHECKED	10-10-78	APPRO									



"A"-CARS-L6



"A"-CARS-V8



"E" CARS

"B-C" CARS

ATTACH EXHAUST EMISSION LABEL SO THAT IT READS FROM FRONT OF CAR. AREA MUST BE CLEAN OF GREASE AND DIRT BEFORE ATTACHING LABEL.

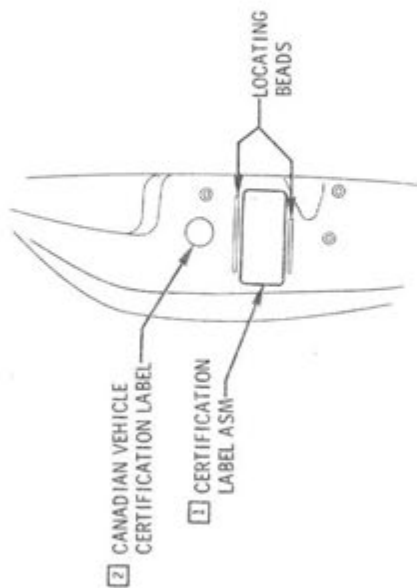
EMISSION CONTROL LABELS		
PART NO.	PROD. CODE	ENGINE CODE
410343	OM	ZB-ZG
409502	OA	TC-QA-QJ-QI-TD
409503	OB	QN-QP-QO-QB
409505	OD	TA-TN-TU-TW
409506	OE	TT-TS-TB
409507	OF	TY-TX-UC-UD
409508	OG	UO-UN-TQ-TP
409517 (1ST TYPE)	OH	US-UT
409913	OK	TV
409912	OL	TL
409906	OJ	UE
411261 (2ND TYPE)	ON	UV-UW

(G)

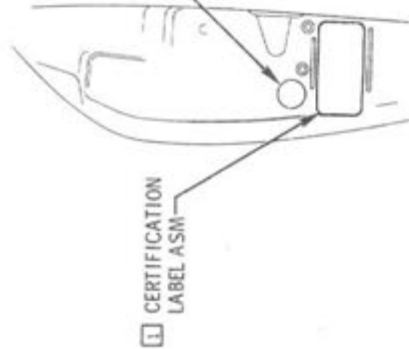
(H)

(H)

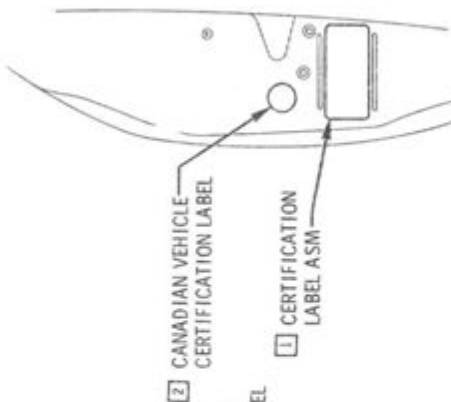
5-6-71		H		1ST & 2ND TYPE ADDED	DATE	MAY 22, 1970		FIRST USED		1971		OLDSMOBILE PRODUCT INFORMATION MANUAL		MANUAL SEC.		PAGE		
2-3-71		G		ENGINE CODE WAS V8-VI	DR. BY R. S. MC DONALD		APPROVED		SERIES		A-B-C-E		PART NO.		407266-7-8			
12-16-70		F		RADIATOR CAP ALIGNMENT	APPROVED		APPROVED		SERIES		A-B-C-E		PART NO.		407266-7-8			
		DATE		SYM	REVISION		DR. CK.		APPROVED		APPROVED		APPROVED		APPROVED			



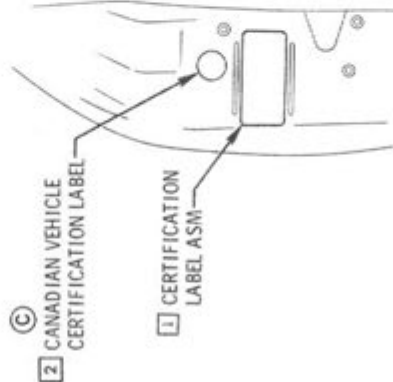
F-85  
FOUR DOOR SEDANS  
AND STATION WAGONS



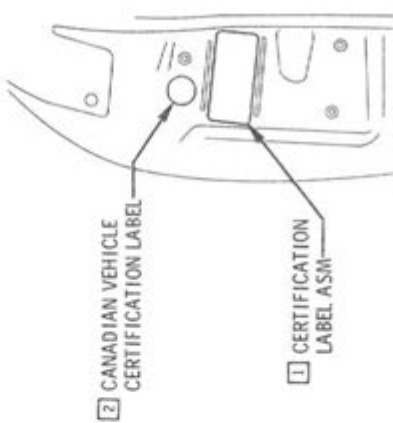
F-85  
CLUB COUPES



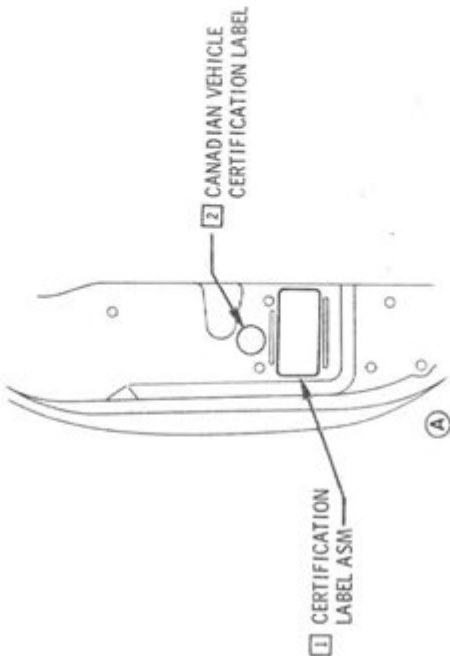
F-85  
HARDTOP COUPES  
AND CONVERTIBLES



F-85  
4 DOOR HARDTOP



88 AND 98  
4 DOOR HARDTOPS,  
SEDANS, AND  
STATION WAGONS



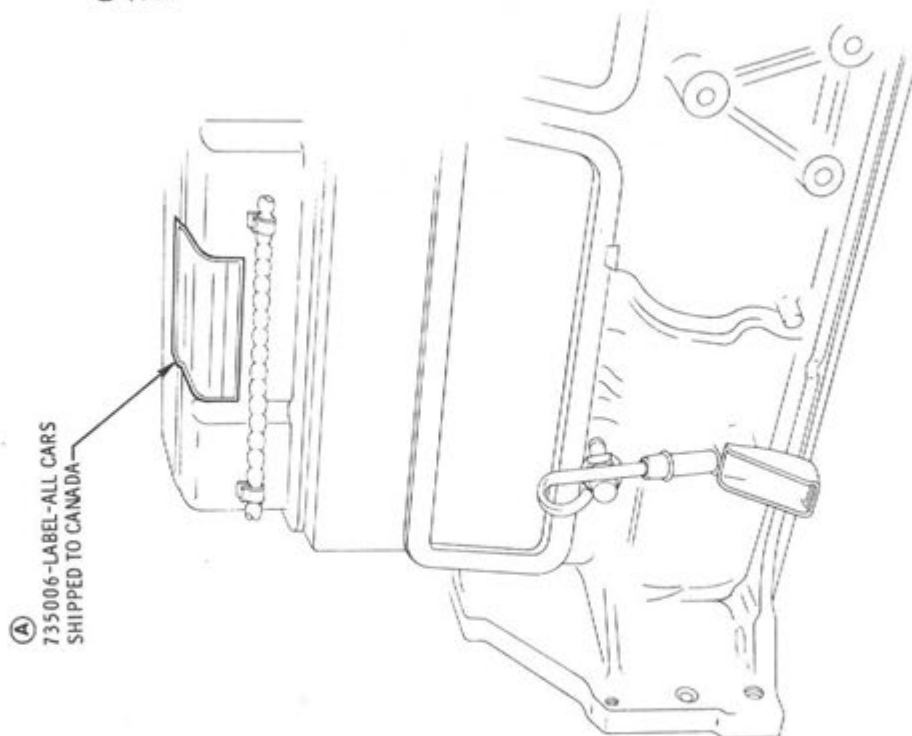
88, 98 & TORONADO  
HARDTOP COUPES  
AND CONVERTIBLES

[1] CERTIFICATION LABEL ASM CONSISTS OF:  
3975433 - LABEL - VEHICLE CERTIFICATION (EXC. 98V78)  
3983908 - OVERLAY - VEHICLE CERTIFICATION (EXC. 98V78)  
(SEE PAGE 108 FOR 98V78 LABEL)

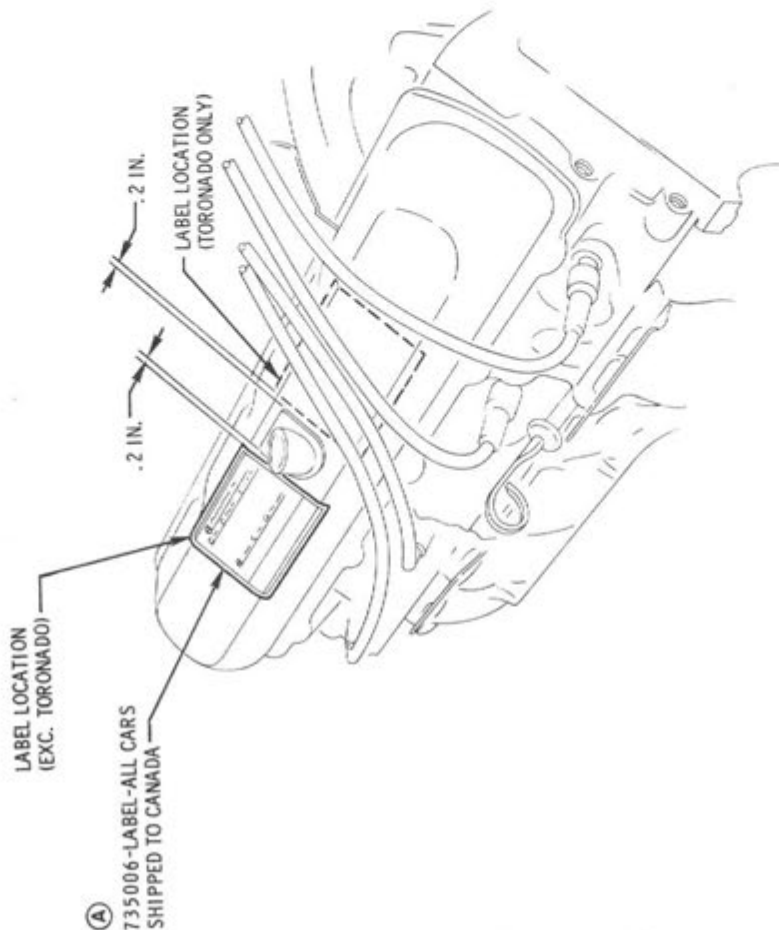
[2] 736762 - LABEL (CANADIAN CARS ONLY)  
LABELS TO BE LOCATED ON REAR SURFACE  
OF L. H. FRONT DOOR

TITLE		CERTIFICATION LABEL		FIRST USED		OLDSMOBILE PRODUCT		MANUAL SEC.		PAGE	
DATE	11-13-70	DATE	11-13-70	DATE	1971	DATE	1971	DATE	O	DATE	114
BY	BY D. R. HUSCHKE	BY	BY D. R. HUSCHKE	BY	BY D. R. HUSCHKE	BY	BY D. R. HUSCHKE	BY	BY D. R. HUSCHKE	BY	BY D. R. HUSCHKE
CHECKED	PLD	CHECKED	PLD	CHECKED	PLD	CHECKED	PLD	CHECKED	PLD	CHECKED	PLD
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED
DATE	4-1-78	DATE	4-1-78	DATE	4-1-78	DATE	4-1-78	DATE	4-1-78	DATE	4-1-78
SYN	SYN	SYN	SYN	SYN	SYN	SYN	SYN	SYN	SYN	SYN	SYN
REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION
A		B		C		D		E		F	
VIEW ADDED		736762 - LABEL ADDED		RELOCATED		PLD		PLD		PLD	

A-B-C-E 407266-7-8



9-7

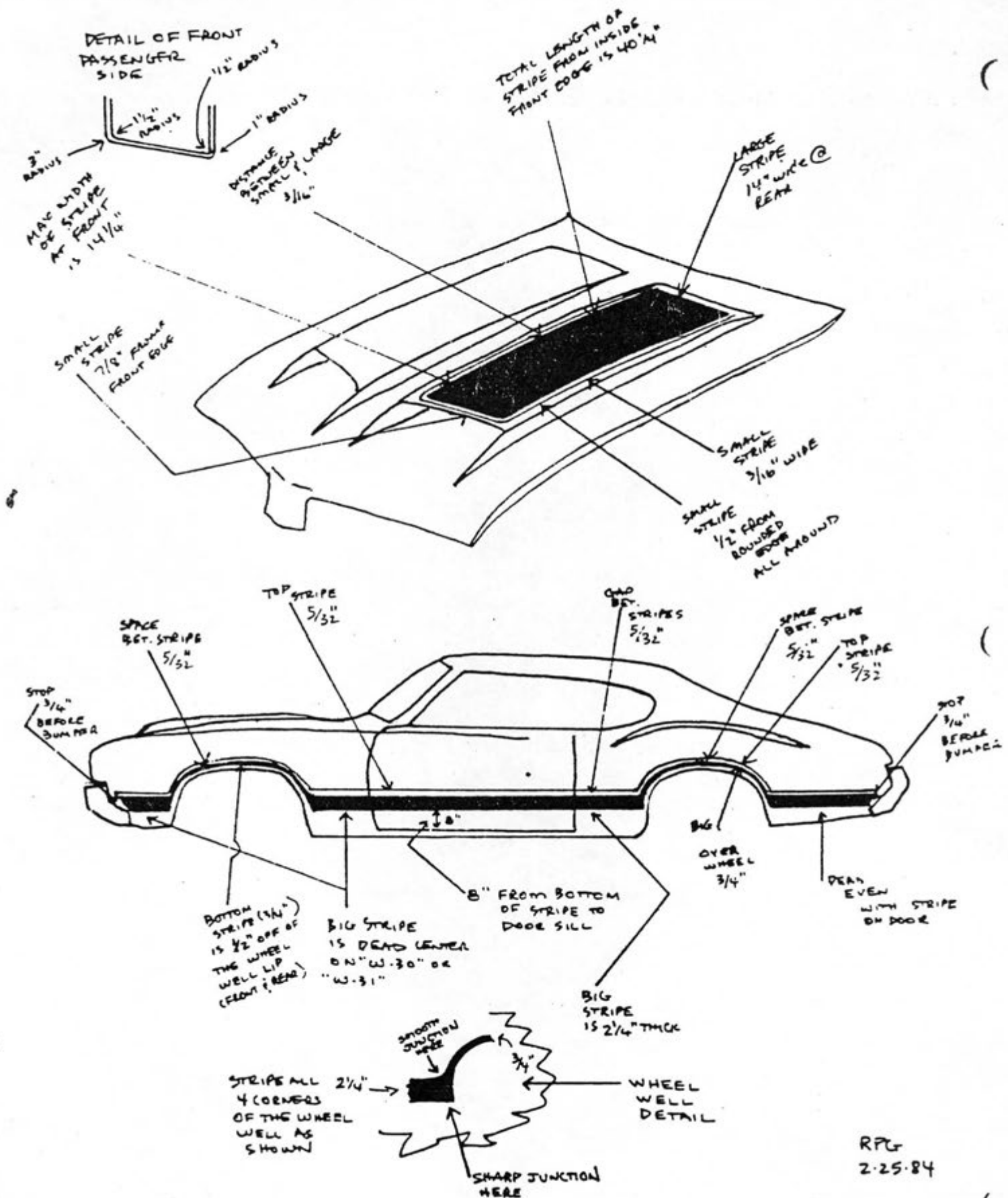


8-A

LOCATE LABEL ON ENGINE OIL  
DIPSTICK SIDE OF ENGINE ON  
VEHICLES EXPORTED TO CANADA

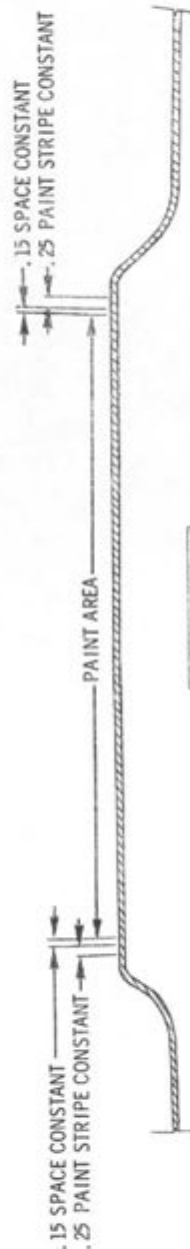
[illegible]

## W-MACHINE STRIPES 1970-1972



PLEASE NOTE A CORRECTION IN THE TOP STRIPE FOR THE STRIPE INSTRUCTIONS ISSUED PRIOR TO THIS!!  
TOP STRIPE IS  $\frac{5}{32}"$  NOT  $\frac{1}{4}"$  AS WAS PREVIOUSLY SHOWN





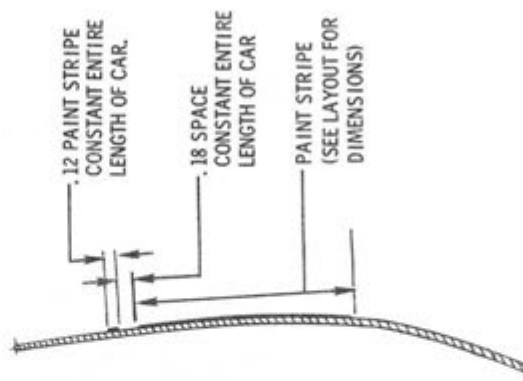
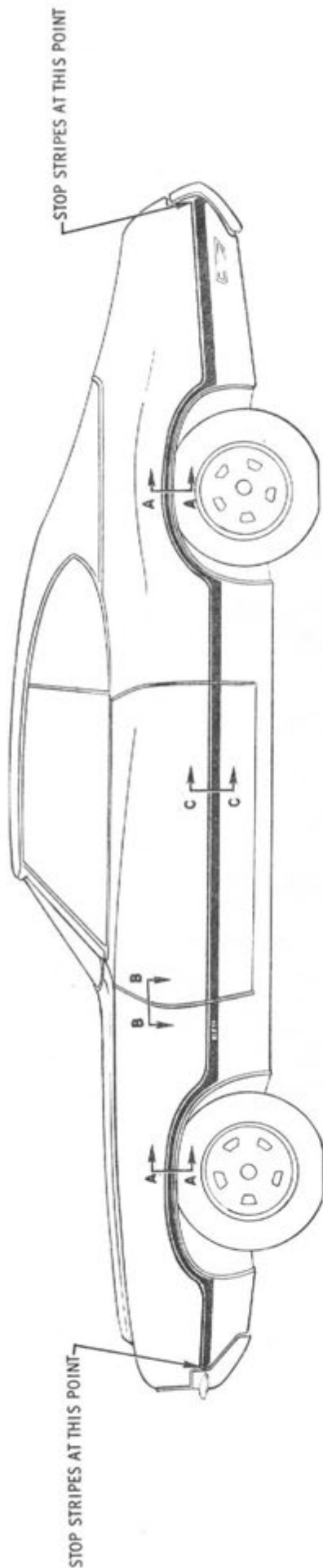
SEE CHART IN SECTION O,  
PAGE 16 FOR HOOD PAINTING  
USAGE.

REF. LAYOUT 406736

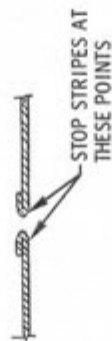
Ⓐ

[illegible]

FULLY DRIVEN, SEATED  
AND NOT STRIPPED

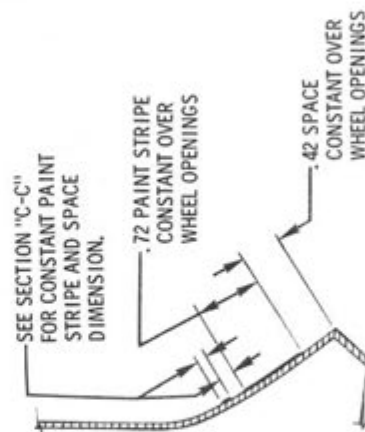


SECTION "C-C"



SECTION "B-B"

(TYPICAL AT EDGES OF DOOR, FRONT FENDERS AND REAR QUARTER PANEL)



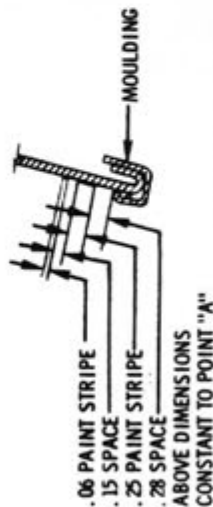
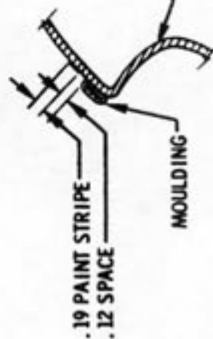
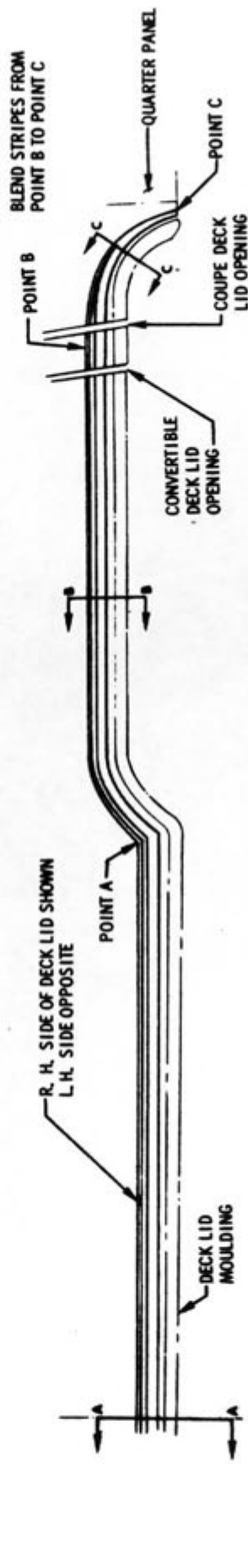
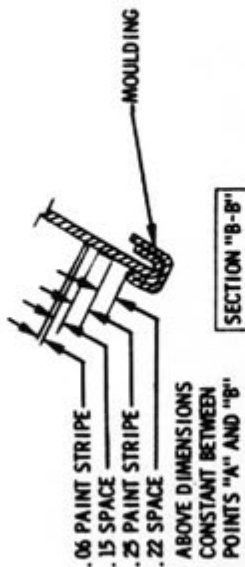
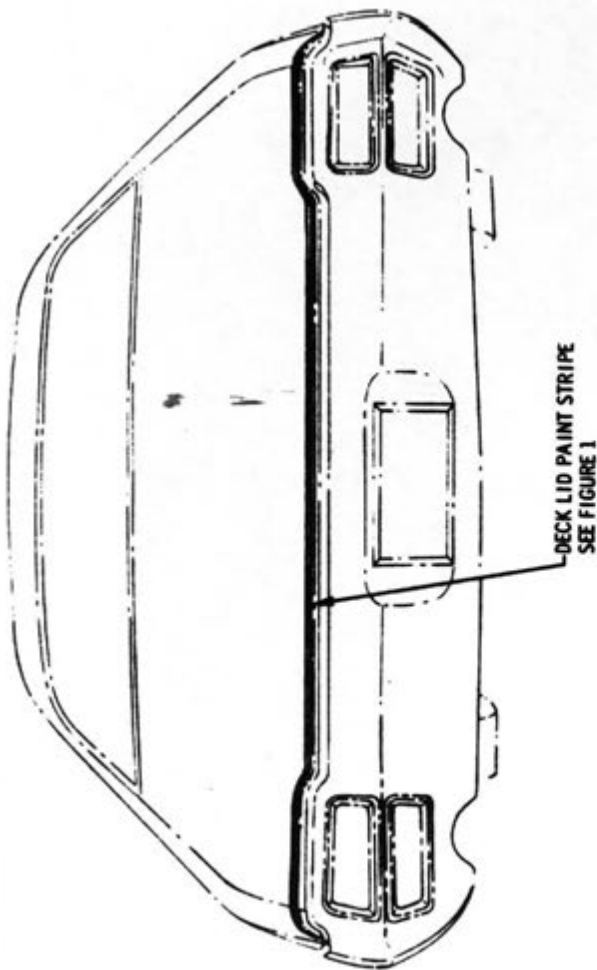
SECTION "A-A"

(TYPICAL AT WHEEL OPENINGS)

NOTE:  
SEE CHART IN SECTION Q,  
PAGE 16 FOR PAINT STRIPE  
USAGE.

(REF) LAYOUT NO. 406787

TITLE				BODY SIDE PAINT STRIPES (35W30)				MANUAL SEC.		PAGE	
DATE 10/14/1970				FIRST USED				1-4		156	
DR. BY A.F. PALLELY				1971				OLDSMOBILE PRODUCT INFORMATION MANUAL		407266	
CHECKED BY [Signature]				REF. 35 W 30/31				PART NO.		A	
APPROVED BY [Signature]				APPROVED				REVISION			
5-28-70 A				35W31 REMOVED				DATE		SYM	
								DR. CK.		DATE	
								REVISION			
								DATE		SYM	



NOTE:  
SEE SECTION O-PAGE 16  
FOR PAINT STRIPE USAGE

(REF) LAYOUT 405623

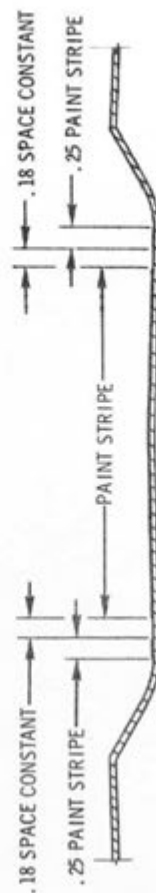
(4400 SERIES)

TITLE				DECK LID PAINT STRIPES			
DATE	BY	CHK	DATE	FIRST USED	OLDSMOBILE PRODUCT INFORMATION MANUAL	MANUAL SEC	PAGE
JAN 16 1970	DALE PALYKY			1971		1-4	154
CHECKED	DATE	DATE	DATE	REV	SERIES	PART NO	
				1/2 F	A	407266	



FULLY DRIVEN, SEATED  
AND NOT STRIPPED

GENERAL MOTORS CORPORATION  
LANSING 27, MICHIGAN



**NOTE:**  
SEE CHART IN SECTION O,  
PAGE 16 FOR HOOD PAINTING  
USAGE.

REF. LAYOUT 408803  
(35Y73 OPTION)

HOOD PAINT STRIPE - 4400

[illegible]

FULLY DRIVEN, SEATED  
AND NOT STRIPPED

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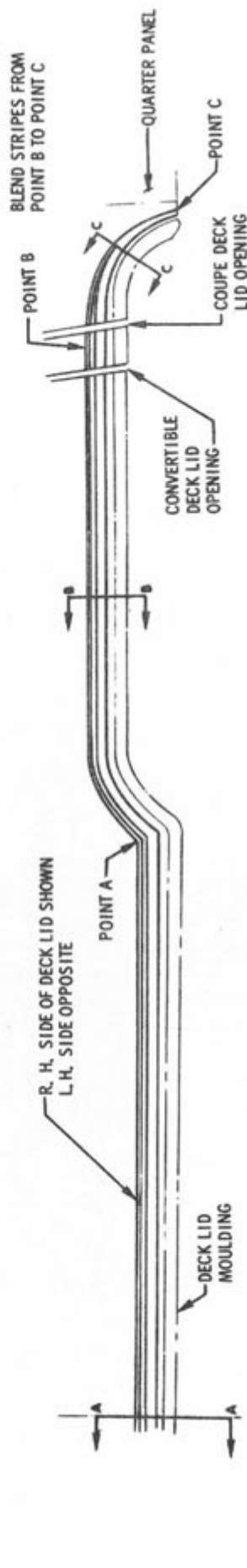
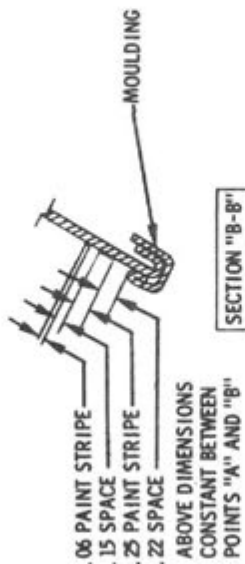
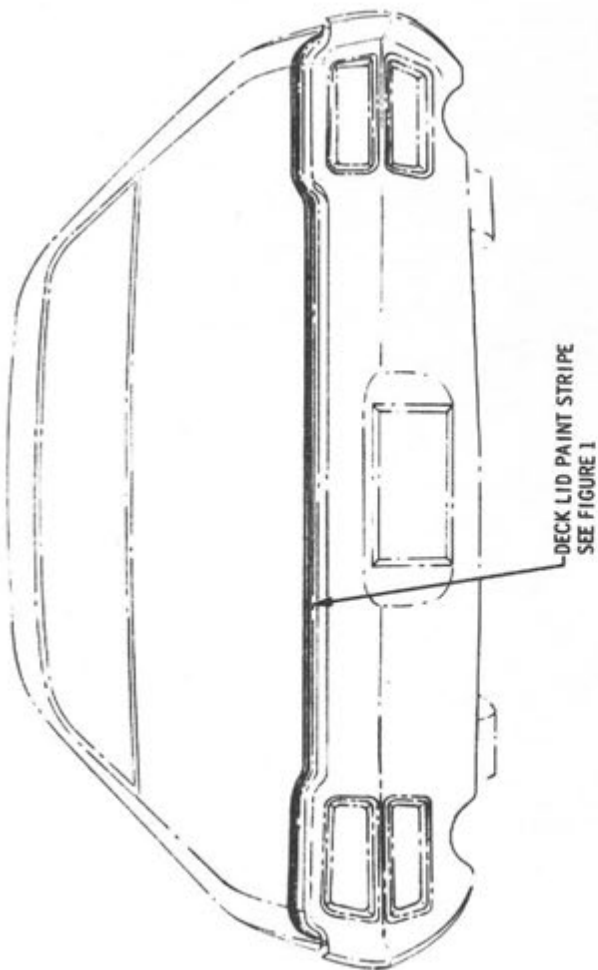
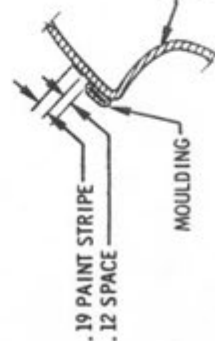


FIGURE 1

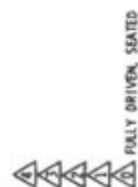


NOTE:  
SEE SECTION O-PAGE 16  
FOR PAINT STRIPE USAGE

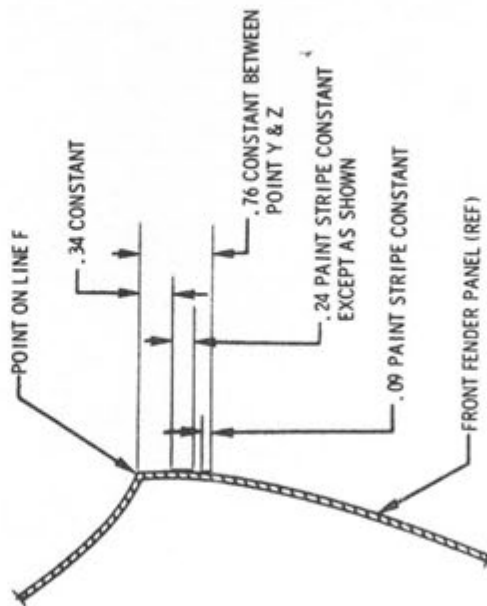
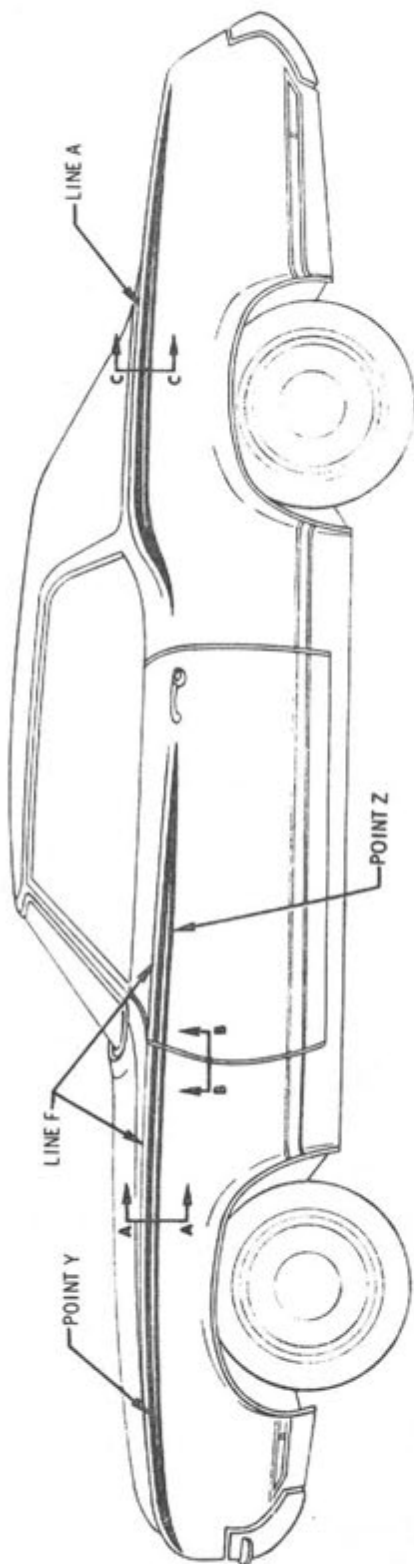
(4400 SERIES)

(REF) LAYOUT 405623

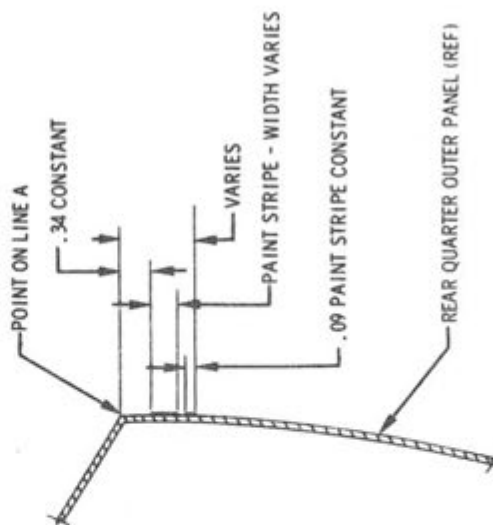
TITLE				DECK LID PAINT STRIPES			
DATE	DR	CK	SYM	DATE	DR	CK	SYM
JAN 18 1970	DR. BY A. F. PALTELKY			1971			
CHECKED: [Signature]	APPR. [Signature]			REF. 1A2F	SERIES	A	PART NO.
							407266
							1-4 154
							MANUAL SEC PAGE



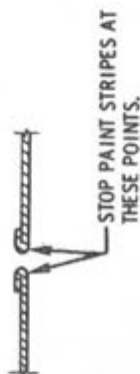
FULLY DRIVEN, SEATED  
AND NOT STRIPPED



SECTION "A - A"



SECTION "C - C"



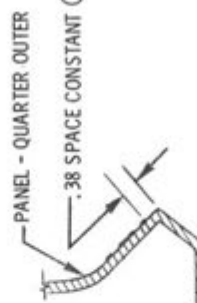
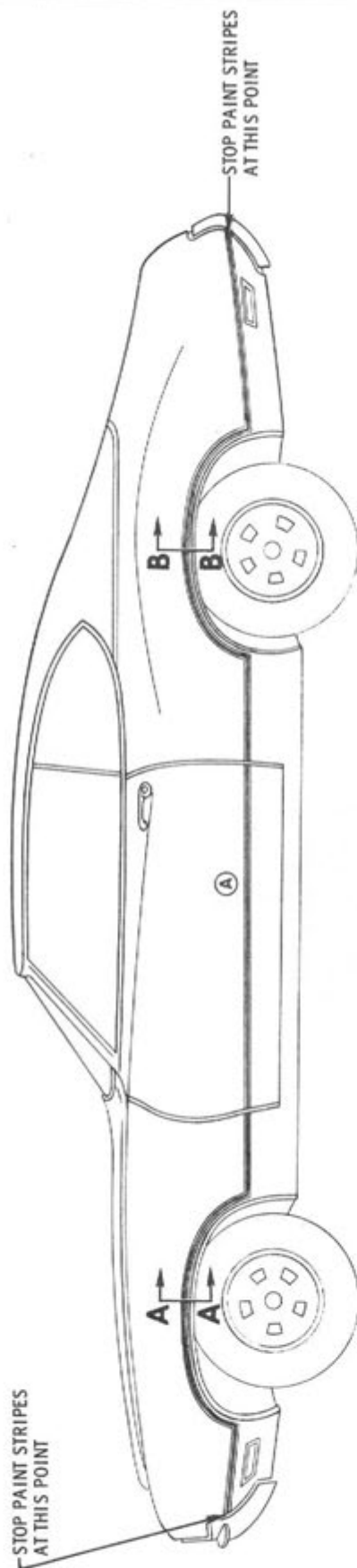
SECTION "B - B"

NOTE:  
SEE CHART IN SECTION 0-  
PAGE 16 FOR PAINT STRIPE USAGE

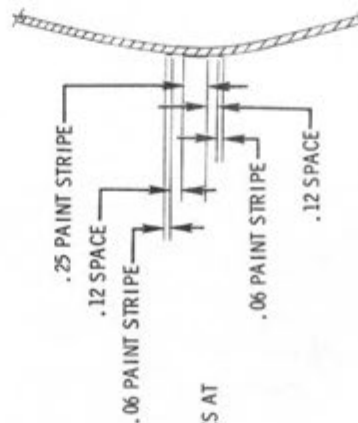
(REF) LAYOUT NO. 408492



TITLE				BODY SIDE PAINT STRIPES (35V70)			
DATE	DR	CK	SYN	DATE	DR	CK	SYN
1971	JAN 12 1970			1971			
DR BY A.F. DALY				FIRST USED			
CHECKED J.F.D.				1971			
APPL J.F.D.				OLDSMOBILE PRODUCT			
				INFORMATION MANUAL			
				MANUAL SEC PAGE			
				1-4 158			
				PART NO.			
				407266			
				SERIES			
				A			

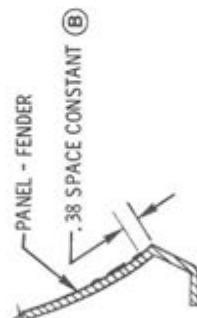


SECTION "B-B"



TYPICAL SECTION

ABOVE DIMENSIONS CONSTANT  
ENTIRE LENGTH OF CAR



SECTION "A-A"

(B)  
(A) (REF.) LAYOUT NO. 409218

NOTE:  
SEE CHART IN SECTION O-  
PAGE 16 FOR PAINT STRIPE USAGE

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# 1971 OLDSMOBILE

*F85*

*Vista Cruiser*

*Cutlass*

442



*Delta 88*

DELTA CUSTOM

*Custom Cruiser*

*Delta 88*  *Royale*

*Ninety Eight*

TORONADO

## CHASSIS SERVICE MANUAL

# GENERAL INFORMATION AND PERIODIC MAINTENANCE

## ALL SERIES

### CONTENTS OF SECTION O

Subject	Page	Subject	Page
BRAKE WARNING LIGHT .....	0-14	PERIODIC MAINTENANCE .....	0-10
DIFFERENTIAL RATIOS .....	0-5	BATTERY .....	0-10
FINAL DRIVE .....	0-6	SERVICE BRAKES .....	0-10
IDENTIFICATION		BODY LUBRICATION .....	0-10
MODEL .....	0-1	PERIODIC MAINTENANCE CHART .....	0-13
BODY AND STYLE .....	0-1	TIRE INFORMATION .....	0-7
MODEL DESIGNATION CHART .....	0-2	TIRE ROTATION .....	0-7
VEHICLE NUMBER PLATE .....	0-3	TOWING DATA (WITH IGNITION KEY) .....	0-8
ENGINE .....	0-3	TOWING DATA (WITHOUT IGNITION KEY) .....	0-8
FACTORY EQUIPMENT .....	0-9	TRANSMISSIONS	
GENERAL SPECIFICATIONS .....	0-10	MANUAL .....	0-3
GUARDIAN MAINTENANCE CHART .....	0-16	TURBO HYDRA-MATIC 350 .....	0-5
PAINT CHART .....	0-9	TURBO HYDRA-MATIC 400 & 425 .....	0-5

### IDENTIFICATION

#### MODEL

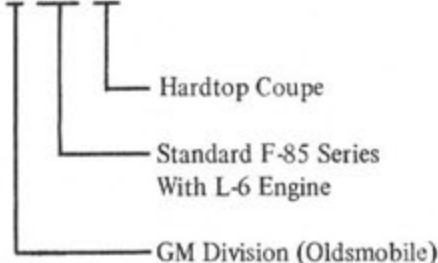
A five digit number, called the car series and body style designation number, identifies any car as to series and style. Reading from left to right, the digits represent the following:

The first digit indicates the General Motors Division.

The second and third digits are Car Series Identification. The third digit also is used to designate the L-6 or V-8 engine (odd numbers indicate L-6 and even, V-8 engine).

The fourth and fifth digits are body style designation.

EXAMPLE: 3 3 1 87



#### BODY AND STYLE

The body and style numbers are stamped on a plate that is mounted on the left upper cowl. (Fig. 0-1) On Toronado, the plate is mounted on the right side.

Information on this plate shows:

1. Style Number
2. Body Number
3. Trim Number
4. Paint Number (Color Specification)
5. Time Built Code

All Fisher Body numbers are prefixed by letters indicating the plant at which the body was assembled.

F-85 bodies are coded as follows:

LAN - Lansing  
R - Arlington

BF - Fremont  
FRA - Framingham

All 88 series are coded as follows:

LAN - Lansing  
BK - Kansas City

BL - Linden

All 98 series are coded as follows: LAN - Lansing, BL - Linden

All Toronado Series will be assembled at Lansing, Michigan and have code letters "FWD" for Body Unit Number(s) prefix.

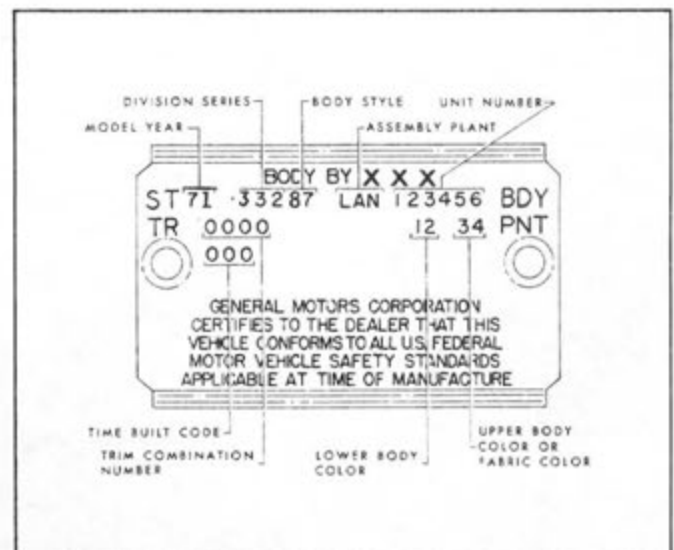


Fig. 0-1—Body and Style Number Plate



## 1971 MODEL DESIGNATION

SERIES	BODY DESCRIPTION OR NAME	BODY STYLE	BODY TYPE	CHASSIS DESIGNATION		SALES AND SCHEDULING CODE	
				L-6	V-8	L-6	V-8
F-85 33100 (L-6) 33200 (V-8)	Town Sedan	69	A	33169	33269	3169	3269
Cutlass 33100 (L-6) 33200 (V-8) 33500 (L-6) 33600 (V-8)	Hardtop Coupe Town Sedan Cruiser (2-Seat)	87 69 36	A	33187 33569 33536	33287 33669 33636	3187 3569 3536	3287 3669 3636
Cutlass S 33500 (L-6) 33600 (V-8)	Sports Coupe Hardtop Coupe	77 87	A	33577 33587	33677 33687	3577 3587	3677 3687
Cutlass Supreme 34200 (V-8)	Hardtop Sedan Hardtop Coupe Convertible	39 57 67	A		34239 34257 34267		4239 4257 4267
442 34400 (V-8)	Convertible Hardtop Coupe	67 87	A		34467 34487		4467 4487
Vista-Cruiser 34800 (V-8)	Two-Seat Three-Seat	56 66	A		34856 34866		4856 4866
Delta 88 35400	Hardtop Sedan Hardtop Coupe Town Sedan	39 57 69	B		35439 35457 35469		5439 5457 5469
Delta 88 Custom 36400	Hardtop Sedan Hardtop Coupe Town Sedan	39 57 69	B		36439 36457 36469		6439 6457 6469
Delta 88 Royale 36600	Hardtop Coupe Convertible	47 67	B		36647 36667		6647 6667
Custom Cruiser 36800	2-Seat 3-Seat	35 45	B		36835 36845		6835 6845
Ninety-Eight 38400	Coupe Sedan	37 39	C		38437 38439		8437 8439
Ninety-Eight 38600	Luxury Coupe Luxury Sedan	37 39	C		38637 38639		8637 8639
Toronado Custom 39600 39800	Coupe Coupe (Brougham Trim)	57 57	E		39657 39857		9657 9857

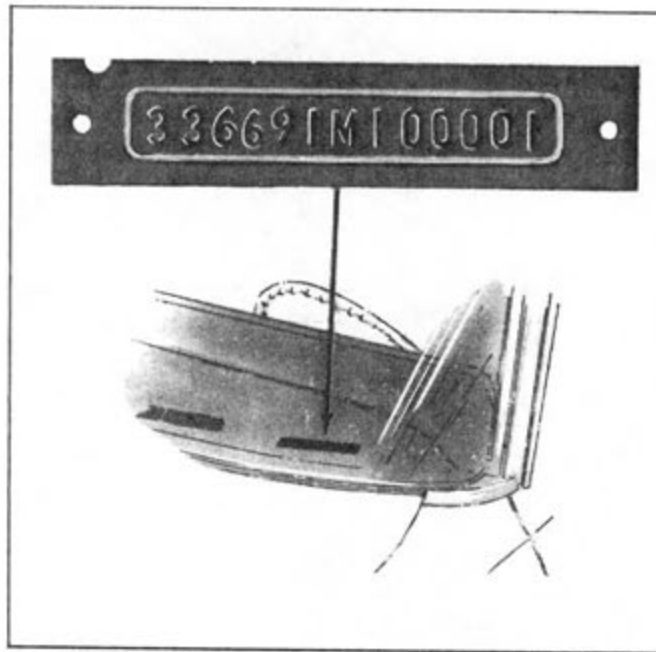


Fig. 0-2—Vehicle Identification Number Plate

### VEHICLE NUMBER PLATE

The 1971 vehicle identification number plate is located in the left upper instrument panel. The numbers are visible from the outside of the car. (Fig. 0-2) Each unit number is prefixed by a letter and six numbers and have designations as shown in Fig. 0-3.

### ENGINE

The L-6 Engine has a DATE-CODE stamped on the right side of the engine block, directly to the rear of the distributor. (Fig. 0-4)

The date code consists of a letter, four digits and two letters. The first letter stands for source identification. The first two digits show the month and the second two digits show the day the unit was built. The last two letters show transmission or option usage.

3	3	2	8	7	1	M	100001
							Plant Sequential Number
							Plant (Lansing)
							Model Year (1971)
							Body Type (Hardtop Coupe)
							Engine Type (Odd No. = L-6; Even No. = V-8)
							Series (Std. F-85) Refer to Model Designation Chart
							Division (Oldsmobile)

SERIES	BODY LETTER	PLANT LETTER	PLANT
3100 through 4800	A	R G Z M	Arlington, Texas Framingham, Mass. Fremont, California Lansing, Michigan
5400 through 6800	B	X M E	Kansas City, Kansas Lansing, Michigan Linden, New Jersey
8400 and 8600	C	M E	Lansing, Michigan Linden, New Jersey
9600 and 9800	E	M	Lansing, Michigan

Fig. 0-3—Vehicle Identification Plate Data

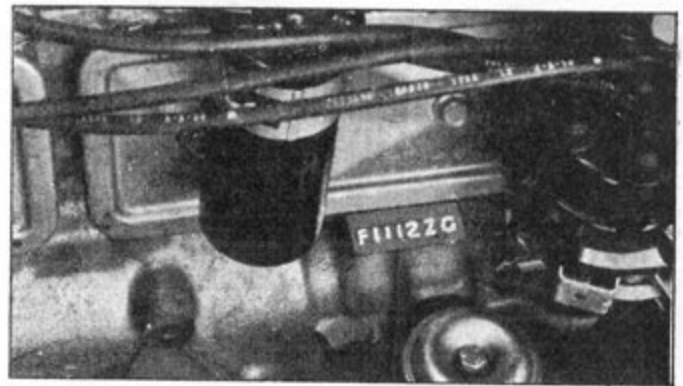


Fig. 0-4—L-6 Engine Unit Number Location

EX.: F 11 12 ZG

— Turbo Hydra-Matic 350

— Day of Month

— July-Month

— Source Code (Flint Motor)

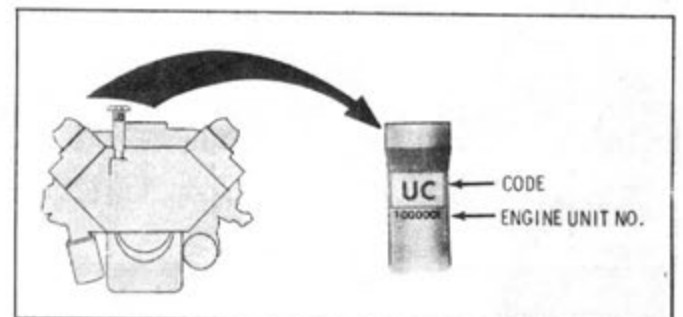


Fig. 0-5—V-8 Engine Number and Code Location

V-8 engines have the code tape installed directly above the engine unit number which is stamped on the engine oil fill tube. (Fig. 0-5) Chart on page 0-4 shows engine usage and identification.

### TRANSMISSIONS

#### MANUAL

The three speed standard transmission has 1 inch high identification code letters on the right-hand side of case. The three speed heavy duty transmission has 2 inch high identification code letters on the right-hand side of extension housing. Fig. 0-6 shows manual transmission identification.

TYPE	SERIES	CODE R.H. SIDE OF CASE	OPTION CODE
3-Speed (Col. I)	3100, 3500 3200, 3600, 4200, 4800 5400, 6400, 6600, 6800	R3 R4 DA	M15
3-Speed (Floor)	4400 Floor Shift 3200, 3600, 4200 (Except Station Wagons)	RM RM	M14
4-Speed	32-4400 (Wide Ratio) 4400 and W-3/2 (Close Ratio)	W/T W/O	M20 M22

Fig. 0-6—Manual Transmission Code Letter

## ENGINE IDENTIFICATION CHART

SERIES	TRANS.	250 CU. IN. 1 BBL. L-6	350 CU. IN. 2 BBL. V-8	350 CU. IN. 4 BBL. V-8	455 CU. IN. 2 BBL. V-8	455 CU. IN. 4 BBL. V-8	455 CU. IN. 4 BBL. V-8 (W-30)
3100	SMT	S ZB					
	AMT	O ZG					
3200	SMT		S QI	O(L-74) QB,QO■			
	AMT		O QA,QJ*	O(L-74) QN,QP*			
3500	SMT	S ZB					
	AMT	O ZG					
3600	SMT		S QI	O(L-74) QB,QO■			
	AMT		O QA,QJ*	O(L-74) QN,QP*			
4200	SMT		O(L-65) QI	S QB,QO■		O(L-32) TQ,TP*	
	AMT		O(L-65) QA,QJ*	O QN,QP*			
4400	SMT					S TU,TN▲	O TS,TB▲
	AMT					O TW,TV*,TA■	O TT,TL*
4800	SMT		S QI				
	AMT		O QA,QJ*		O(L-30) UC,UD*	O(L-32) TQ,TP*	
5400	SMT		S TE				
	AMT		O TD,TC*		O(L-30) UC,UD*	O(L-31) UN,UO*	
6400	SMT				S UE		
	AMT				O(L-30) UC,UD*	O(L-31) UN,UO*	
6600	SMT				S UE		
	AMT				O(L-30) UC,UD*	O(L-31) UN,UO*	
6800	SMT				S UE		
	AMT				O UC,UD*	O(L-31) UN,UO*	
8400	AMT					S UN,UO*	
8600							
9600	AMT					S US,UT*	
9800							

S - Standard

O - Optional

\* - With Air Conditioning

■ - Four Speed SMT

▲ - Two Plate Clutch

## ENGINE INFORMATION

	250 Cu. In. 1 Bbl. L-6	350 Cu. In. 2 Bbl. V-8	350 Cu. In. 4 Bbl. V-8	455 Cu. In. 2 Bbl. V-8	455 Cu. In. 4 Bbl. V-8	455 Cu. In. 4 Bbl. V-8 442	455 Cu. In. 4 Bbl. V-8 Tornado
Compression Ratio	8.0:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1
Net SAE Horsepower	110 @ 3800	160 @ 4000	180 @ 4000	185 @ 3600	225 @ 3600	270 @ 4400	275 @ 4200
Gross Brake Horsepower	145 @ 4200	240 @ 4200	260 @ 4600	280 @ 4000	320 @ 4400	340 @ 4600	350 @ 4400
Bore & Stroke	3.87 x 3.53	4.057 x 3.385	4.057 x 3.385	4.125 x 4.250	4.125 x 4.250	4.125 x 4.250	4.125 x 4.250

**TURBO HYDRA-MATIC 350**

Transmission Model and Code Numbers are stamped on the servo cover as shown in Fig. 0-7.

EXAMPLE: 71 LA 001

└─ First Day of Production

└─ Model Code

└─ 1971 Model Year

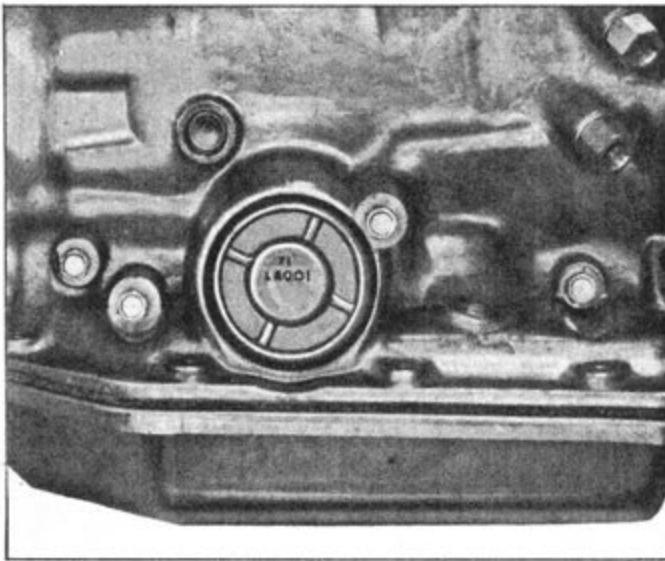


Fig. 0-7—Turbo Hydra-Matic (350) Model Location

TRANSMISSION CODE	SERIES	ENGINE
JE	31, 3500	L-6 1 Bbl.
LA	32, 36, 4200	350 Cu. In.
* LL	5400	350 Cu. In.
** KL	5400	350 Cu. In.

\* 1st Type

\*\* 2nd Type

Fig 0-8—Turbo Hydra-Matic (350) Usage Chart

**TURBO HYDRA-MATIC 400**

The Turbo Hydra-Matic serial number for all series except Toronado is stamped on a plate located on the right side of the case. (Fig. 0-9). The Turbo Hydra-Matic serial number for Toronado series is stamped on a plate located on the left-hand side of the converter housing.

TRANSMISSION CODE	SERIES	ENGINE
OD	4200	455 Cu. In. 4 Bbl. L-32
OG	4400	455 Cu. In. 4 Bbl. Exc. W30
OW	4400	455 Cu. In. 4 Bbl. W30
OA	4800	455 Cu. In. Exc. L-30 & L-32
OR	4800	455 Cu. In. 2 Bbl. L-30
OK	4800	455 Cu. In. 4 Bbl. L-32
OR	64-8600	455 Cu. In. 2 Bbl. Exc. N-10
OR	5400	455 Cu. In. L-30 & L-31 Exc. N-10
OK	54-8600	455 Cu. In. With N-10
OJ	96-9800	455 Cu. In.

Fig. 0-8A—Turbo Hydra-Matic (400 & 425) Usage Chart



Fig. 0-9—Turbo-Matic (400 & 425) Serial Number Plate



Fig. 0-10—Axle Code Location (Exc. Toronado)

**DIFFERENTIAL RATIOS**

The differential ratio code letters (1/4" high) are stamped on the right front inboard side of the axle housing tube. (Fig. 0-10). The first two letters designate ratio code and the third the manufacturer and the numbers indicate build date.

Letters, for standard and Anti-Spin differentials, indicating corresponding ratio for each series are shown in chart.

# DIFFERENTIAL IDENTIFICATION

	GEAR RATIO	GEAR TEETH	CODES AND RING GEAR SIZE			
			STD	SIZE	ANTI-SPIN	SIZE
31-4400 Exc. W-30	2:56	41:16	R2	8 1/2" WITH 10 BOLT COVER	R3	8 1/2" WITH 10 BOLT COVER
	2:73	41:15	SA		SB	
	3:08	40:13	SR		SD	
	3:23	42:13	TC		SS	
	3:42	41:12	SE		SH	
			—			
31-4400 With W-30	3:42	41:12	—		TM	
	3:73	41:11	—		TO	
4800	2:56	41:16	SI		ST	
	2:73	41:15	TA		TB	
	3:08	40:13	SM		SN	
	3:23	42:13	TG		TH	
54-6600 2 Bbl. Exc. H. D. Brakes	2:56	41:16	ND		—	9 3/8" WITH 12 BOLT COVER
	2:73	41:15	NK		QS	
	2:93	41:14	—		QJ	
	3:08	40:13	NA		—	
54-8600 (Exc. 6800) 4 Bbl. Exc. H. D. Brakes	2:73	41:15	QP	9 3/8" WITH 12 BOLT COVER	QS	
	2:93	41:14	QI		QJ	
6800 (Wagon)	2:93	41:14	QE		QL	
	3:42	41:12	QH		QM	
54-8600 (Exc. 6800) With H. D. Brakes	2:93	41:14	QU		QV	

MANUFACTURER CODE LETTER "O," "B," "C" OR "K" WILL FOLLOW IDENTIFICATION CODE.

Fig. 10A—Differential Identification Code

## FINAL DRIVE ASSEMBLY (Differential - 3.07:1)

The date code is stamped on the flange near the right hand spreader hole (Fig. 0-11).

DATE CODE: The code letter for month and number (s) for actual date.

EXAMPLE:

M13=Built November 13 (M=11th. letter, I is not used.)

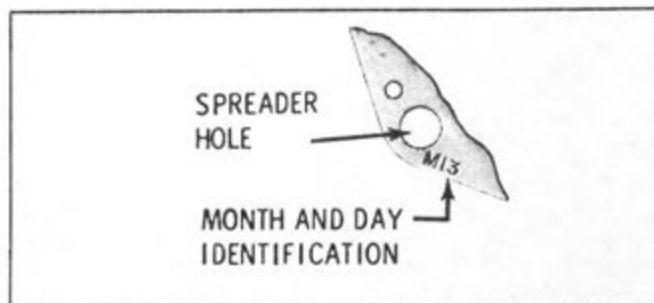


Fig. 0-11—Final Drive Date Code



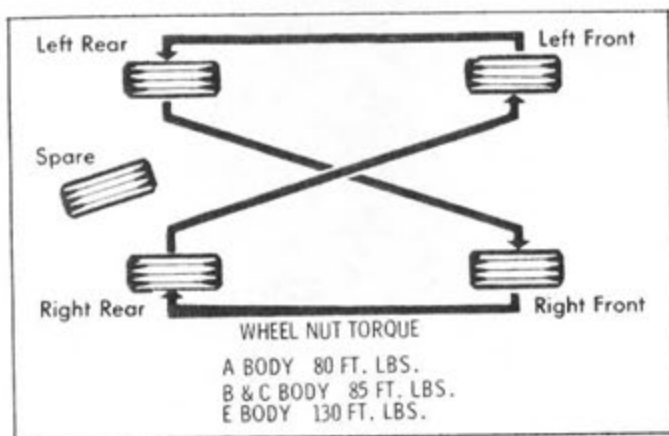


Fig. 0-12—Tire Rotation

## TIRE ROTATION

To equalize wear, it is recommended that the four road tires be rotated every 6,000 miles, see Fig. 0-12. It is not necessary to rotate the spare. Upon rotation, tire pressures must be adjusted (front and rear) in accordance with the recommendations in the tire inflation pressure table. Also keep tires balanced, the front wheels aligned, and periodically examine tires for unusual wear.

## TIRE CHART

SERIES	TIRE SIZE	TIRE PRESSURE*		TIRE PRESSURE**	
		Front	Rear	Front	Rear
F85 and Cutlass 250 Cu. In. (L-6) ALL 350 Cu. In. (V-8) Without Air Conditioning Except Station Wagon	F78 x 14 ***G78 x 14 ***G70 x 14	26	28	24	24
350 Cu. In. (V-8) With Air Conditioning Except Station Wagons 455 Cu. In. (V-8) ALL	G78 x 14 ***G70 x 14				
442	G70 x 14				
Cutlass Station Wagon and Vista Cruiser	H78 x 14	24	32	22	26
Custom Cruiser	L78 x 15	24	32	22	28
Delta, Delta Custom and Delta Royale	H78 x 15	24	28	24	24
Ninety Eight	J78 x 15				
Toronado	J78 x 15	28	23	26	21

\*For loadings of five passengers or less (750 lbs. max.)

\*\*For loadings above five passengers up to vehicle capacity

\*\*\*Optional Tire.

## TIRE INFORMATION

When the car is driven a few miles, tires warm up causing pressure increase. If tire pressures are checked when tires are warm, they may be up to 6 pounds higher than the pressures shown on the chart.

For continuous high speed operation (over 75 mph) increase tire inflation pressure 4 pounds per square inch over the recommended pressures up to a maximum of 32 pounds per square inch cold for load range B tires. Sustained speeds above 75 mph are not recommended when the 4 pounds per square inch adjustment would require pressures greater than 32 pounds per square inch.

Over inflation at light loads will have an adverse effect on the car ride and tire tread wear pattern. Under inflation will promote heat and abnormal wear.

When towing trailers, the allowable passenger and cargo load must be reduced by an amount equivalent to the trailer tongue load on the trailer hitch.

Vehicles with luggage racks do not have a load limit greater than specified in the vehicle load capacity chart.

## VEHICLE LOAD CAPACITY AND DISTRIBUTION

Model	Full Load Capacity Is:	
All Models - Except Station Wagons	1100 Lbs. Total	3 Passengers Front 3 Passengers Rear 200 Lbs. Luggage
	950 Lbs. Total	Bucket Seats 5 Passengers 200 Lbs. Luggage
Station Wagon 2 Seat	1200 Lbs. Total	3 Passengers Front 3 Passengers Rear 300 Lbs. Luggage
Station Wagon 3 Seat	1200 Lbs. Total	3 Passengers Front 3 Passengers Second Seat 2 Passengers Third Seat or 300 Lbs. Luggage

## TIRE CHART—EXPORT USE ONLY

SERIES	TIRE SIZE	TIRE* PRESSURE		TIRE** PRESSURE	
		Front	Rear	Front	Rear
F85, Cutlass and 442 Except Station Wagons	8.25 x 14	26	28	24	24
Cutlass Station Wagon and Vista Cruiser	8.55 x 14	24	32	22	26
Custom Cruiser Opt. Std.	9.15 x 15 L78 x 15	24	32	22	28
Delta, Delta Custom, Delta Royale and Ninety Eight	8.85 x 15	24	28	24	24
Toronado	8.85 x 15	28	23	26	21

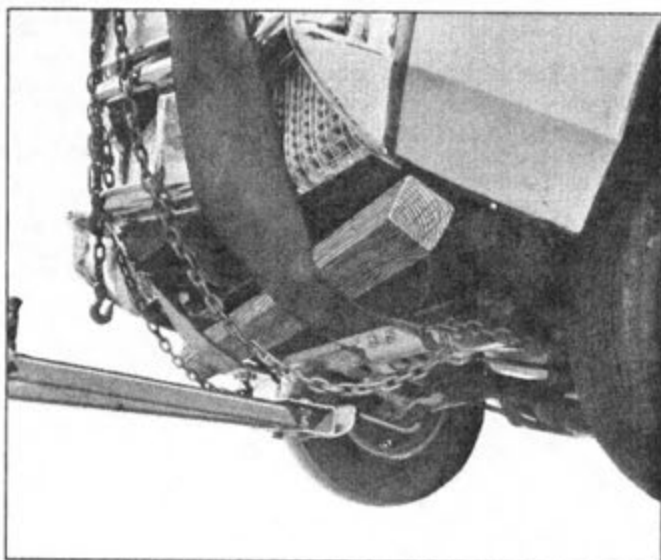


Fig. 0-13—Towing - Toronado

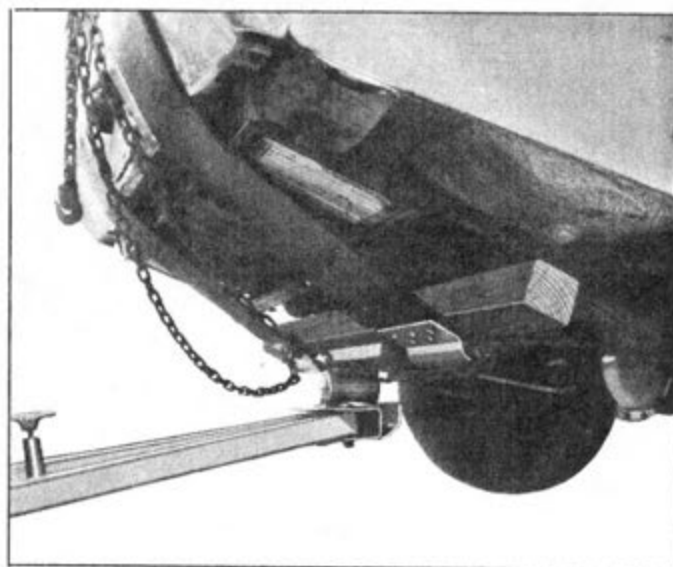


Fig. 0-14—Towing - Custom Cruiser

### TREAD WEAR INDICATORS

The original equipment tires incorporate built-in tread wear indicators to assist in determining when tires have been worn to the point of needing replacement. These indicators are molded into the bottom of the tread grooves and will appear as 1/2 inch wide bands when tire tread depth becomes 1/16 of an inch. When the indicators appear in two or more adjacent grooves, tire replacement due to tread wear is recommended.

### TOWING DATA (WITH IGNITION KEY)

It is recommended that the Toronado be towed with the front wheels off the ground. However, the car can be towed with the rear wheels off the ground if damage in the rear wheel area will not permit such towing. In this event, the car may be towed with the rear wheels off the ground by placing the selector lever in the "N" (neutral) position and driving at speeds not to exceed 35 mph for distances up to 50 miles. When towing with the front wheels off the ground, the sling should be 4 feet wide so the straps contact the bumper at the jacking points. A 4x4 about 5 feet long is used between frame and sling so that the bumper is not damaged. (Fig. 0-13.)

### ALL OTHERS

Except when the transmission, propeller shaft or rear axle has become damaged or when the transmission is low on fluid, the car may be towed with the selector lever in the "N" (Neutral) position at speeds up to 35 mph, for distances up to 50 miles. For higher speeds, longer distances, or if the transmission has become damaged or has lost fluid, it is recommended that the car be towed with the rear wheels off the ground or the propeller shaft disconnected at the differ-

ential and secured to the frame or exhaust pipe. If the car is towed with the rear wheels off the ground, the steering wheel should be centered and held in centered position with a steering clamp. The car should not be lifted more than six inches off the ground or towed at speeds above 35 mph. When towing with the wheels off the ground, it is recommended that a 4" x 4" timber be located beneath the lower edges of the bumper to prevent damaging the bumper. When towing a Custom Cruiser from the rear, the 4" x 4" timber should be located just ahead of the rear spring shackle (Fig. 0-14).

### TOWING DATA (Without Ignition Key)

In the case of abandoned or illegally parked and locked vehicles, additional steps preparatory to towing may be necessary:

#### TORONADO

The car can be towed on the rear wheels at any time provided the parking brake is released and there is no damage to the rear wheels or rear suspension.

#### ALL OTHER SERIES

If the front wheels are in the straight ahead position, the car may be lifted at the rear and towed in the conventional manner. A steering wheel clamp should always be used when towing on the front wheels.

If the front wheels are locked in other than the straight ahead position and towing on the front wheels would result in the car tracking to the side of the wrecker, the rear wheels should be placed in a dolly and the car towed with the front end raised.

As an alternative, the car can be towed with the rear wheels on the ground by disconnecting the propeller shaft at the differential and wiring it to the frame. The parking brake must also be released.

## GENERAL SPECIFICATIONS

SERIES	3100 THRU 4800					DELTA 88 (5400)	ALL OTHER 88's 6400 6600	6800	98's 8400 AND 8600	TORONADO
	STANDARD STATION WAGONS	VISTA- CRUISER	442	COUPES	SEDAN					
Wheelbase	116"	121"	112"	112"	116"	124"	124"	127"	127"	122.3"
Tread Width										
Front	59.7"	59.7"	59.7"	59.7"	59.7"	64.1"	64.1"	63.8"	64.1"	63.5"
Rear	59.0"	59.0"	59.0"	59.0"	59.0"	64.0"	64.0"	63.7"	64.0"	63.6"
Overall Length	213.3"	218.3"	203.6"	203.6"	207.6"	220.2"	220.2"	225.3"	226.1"	219.9"
Overall Width	76.8"	76.8"	76.8"	76.8"	76.8"	79.4"	79.4"	79.4"	79.4"	79.8"
Overall Height	54.4"	58.5"	52.9"	52.9"	53.5"	54.3"	53.4"	57.2"	54.6"	54.7"
Engine Displacement* (Cu. In.) L-6 V-8	250 350	350	455	250 350	250 350	350	455	455	455	455
Taxable Horsepower* L-6 V-8	36 52.7	52.7	54.4	36 52.7	36 52.7	52.7	54.4	54.4	54.4	54.4

\*Standard V-8 Engine

## PERIODIC MAINTENANCE

## BATTERY

Check battery liquid level at each engine oil change interval or once a month whichever occurs first or more often, when refueling in hot weather. Level should reach the bottom of the split ring in the vent well. DO NOT OVERFILL.

Clean top of battery and terminals every 12,000 miles and check tightness of battery hold-down bolt. To properly clean battery:

- Make sure vent plugs are closed tight.
- Remove battery cables from battery.
- Clean battery with a diluted ammonia or soda solution. When the solution stops foaming, rinse with clear water.

D. Clean battery cable terminals with diluted ammonia or soda and rinse with clear water. Apply a thin coating of petrolatum to terminals and clamps, after installing clamps on all except side terminal batteries.

## SERVICE BRAKES

The fluid level in the master cylinder located at the left rear side of the engine compartment should be checked at each engine oil interval. If necessary to add fluid, use Brake Fluid equivalent to Supreme No. 11. On all standard and power brakes, the fluid level must be maintained at 1/4" below the top of both sections of the reservoir, at the rear. Prevent entry of dirt into the master cylinder. See Periodic Maintenance Chart for checking brake warning light.

Brake linings should be periodically inspected for wear. The frequency of this inspection depends upon driving conditions such as traffic or terrain, and also the driving techniques of individual owners but at least once a year.

## BODY LUBRICATION POINTS

## HOOD LATCH

At every oil change interval, lubricate hood latch assembly and hood hinge assembly as follows:

- Wipe off any accumulation of dirt or contamination on latch parts.
- Apply Lubriplate or equivalent to latch and latch locking plate.
- Apply light engine oil to all pivot points in release mechanism, as well as primary and secondary latch mechanisms.
- Lubricate hood hinges.
- Make hood hinge and latch mechanism functional check to assure the assembly is working correctly.

## GAS TANK FILLER DOOR HINGE

Clean area of dirt and old lubricant. Apply a few drops of engine oil to friction points of door hinge. Work door several times and wipe off excess lubricant.

## DOOR LOCK FORK BOLT

Wipe off dirt and apply a thin coat of stick-type lubricant to top surface of lock bolt striker teeth indicated in Fig. 0-15. After lubrication, close door several times and remove excess lubricant along the side edge of teeth.

# *Fisher Body*



**1971  
SERVICE  
MANUAL**



## SECTION 1

# GENERAL INFORMATION AND MAINTENANCE

## INDEX

SUBJECT	PAGE	SUBJECT	PAGE
Manual Description.....	1-1	Five Bitting Level Lock Cylinder and Key.....	1-5
Introduction .....	1-1	Cutting Keys .....	1-6
Index .....	1-1	Replacement Lock Cylinders .....	1-6
Page and Figure Numbers.....	1-1	Assembly and Coding Lock Cylinders.....	1-6
Reference Tabs.....	1-1	Assembly and Coding Glove and Console	
Text.....	1-1	Compartment Lock Cylinders.....	1-7
Illustrations .....	1-1	Glass Polishing.....	1-8
Model Identification Chart.....	1-2	Description.....	1-8
Model Identification .....	1-3	Glass Polishing Procedure .....	1-8
Introduction .....	1-3	Wood Grain Transfer .....	1-9
Body Series Number.....	1-3	Description.....	1-9
Body Style Identification.....	1-4	Removal.....	1-10
Body Style Name.....	1-4	Installation .....	1-10
Body Number Plate .....	1-4	Lubrication.....	1-11
Vehicle Identification Number .....	1-5	Gas Tank Fuel Emission Separator .....	1-11
Lock Cylinder Coding.....	1-5	Special Tools .....	1-11

## MANUAL DESCRIPTION

### INTRODUCTION

This publication contains essential removal, installation, adjustment and maintenance procedures for servicing all 1971 Fisher Body Styles. This information is current as of time of publication approval.

### INDEX

The preceding page contains a "Table of Contents" which lists the section number and subject title of each main body area section. The first page in each main body area section has an index to the subjects included in that section. An alphabetic index covering entire manual is located in section 17.

### PAGE AND FIGURE NUMBERS

All page numbers and figure numbers consist of two sets of digits separated by a dash. The digits preceding dash identify main body area section. Digits following

dash represent consecutive page number or figure number within the particular body area section.

### REFERENCE TABS

The first page of each section is marked with a ready-reference black tab corresponding with table of contents page.

### TEXT

Unless otherwise specified, each service procedure covers all body styles. Procedures covering specific styles are identified by style number, body series number, body type letter or similar designation. A description of these designations is covered in this section under "Model Identification".

### ILLUSTRATIONS

Where possible, illustrations are placed in close proximity to accompanying text and should be used as part of the text.



## MODEL IDENTIFICATION CHART

Division	Sales Name	Body Type	Series	Styles
Chevrolet	Chevelle Nomad	A	13200	36
	Chevelle "300" Deluxe	A	13400	36-37-46-69-80
	Chevelle Malibu	A	13600	36-37-39-46-67-69-80
	Concours Estate	A	13800	36-46
	Monte Carlo	A	13800	57
	Biscayne	B	15400	35-69
	Bel Air	B	15600	35-45-69
	Impala	B	16400	35-39-45-47-67-69
	Caprice	B	16600	35-39-45-47
	Camaro	F	12400	87
	Nova	X	11400	27-69
Pontiac	Tempest T-37	A	23300	27-37-69
	Tempest LeMans	A	23500	27-36-37-39-46-69
	Tempest LeMans Sport	A	23700	37-39-67
	Tempest GTO	A	24200	37-67
	Grand Prix	A	27600	57
	Catalina	B	25200	35-39-45-57-67-69
	Brougham	B	25800	39-57-69
	Bonneville	B	26200	35-39-40-45-57-69
	Grand Ville	B	26800	47-49-67
	Firebird	F	22300	87
Oldsmobile	F-85	A	33200	69-87
	Cutlass	A	33600	36-69-77-87
	Cutlass Supreme	A	34200	39-57-67
	442	A	34400	67-87
	Vista-Cruiser	A	34800	56-66
	Delta 88	B	35400	39-57-69
	Delta Custom 88	B	36400	39-57-69
	Delta Royale 88	B	36600	47-67
	Delta Cruiser 88	B	36800	35-45
	Ninety Eight	C	38400	37-39
	Ninety Eight Luxury	C	38600	37-39
	Toronado	E	39600	57
	Toronado Deluxe	E	39800	57

**MODEL IDENTIFICATION CHART (Cont'd.)**

Division	Sales Name	Body Type	Series	Styles
Buick	Skylark	A	43300	27-37-69
	GS	A	43400	36-37-67 (36 Sport Wagon)
	Skylark Custom	A	44400	37-39-67-69
	Le Sabre	B	45200	39-57-69
	Le Sabre Custom	B	45400	39-57-67-69
	Estate Wagon	B	46000	35-45
	Centurion	B	46600	39-47-67
	Electra "225"	C	48200	37-39
	Electra "225" Custom	C	48400	37-39
	Riviera	E	49400	87
Cadillac	Fleetwood Brougham Sedan	C	68100	69
	Calais	C	68200	47-49
	DeVille	C	68300	47-49
	Fleetwood Seventy-Five	D	69700	23-33
	Eldorado	E	69300	47-67
GM of Canada Acadian	Acadian	X	71400	27-69
GM of Canada Pontiac	Laurentian	B	75600	35-45-57-69
	Parisienne Brougham	B	76400	39-57-69

**MODEL IDENTIFICATION****INTRODUCTION**

Due to variety of body styles available, certain body styles have been grouped in this publication as an aid to identification. These group designations may be used individually or in various combinations. In addition to model identification chart, an explanation of principal categories follows:

**BODY SERIES NUMBER**

The body series number may be used to indicate two possibilities:

1. Division - first digit and four zeros (ex. 10000 Chevrolet; 20000 Pontiac).

## 1-4 GENERAL INFORMATION

2. Division, Car Line and Style Group - first three digits and two zeros (ex. 25200 Catalina; 25800 Brougham).

### BODY STYLE IDENTIFICATION

The last two digits of the body series number indicate body style type as follows:

STYLE	DESCRIPTION
23	4-Door - Limousine with Auxiliary Seat
27	2-Door - Notch Back - Pillar Coupe
33	4-Door - Limousine with Auxiliary Seat and Center Partition Window
35	4-Door - Station Wagon - 2 Seat
36	4-Door - Station Wagon - 2 Seat - Dual Acting Tail Gate
37	2-Door - Notch Back - Hardtop Coupe
39	4-Door - Notch Back - Hardtop (4 Window) Sedan
45	4-Door - Station Wagon - 3 Seat
46	4-Door - Station Wagon - 3 Seat - Dual Acting Tail Gate
47	2-Door - Notch Back - Hardtop Coupe
49	4-Door - Notch Back - Hardtop (4 Window) Sedan
56	4-Door - Station Wagon - 2 Seat - Dual Acting Tail Gate
57	2-Door - Notch Back - Hardtop Coupe
66	4-Door - Station Wagon - 3 Seat - Dual Acting Tail Gate
67	2-Door - Convertible Coupe
69	4-Door - Notch Back - Pillar (4 Window) Sedan

77	2-Door - Plain Back Pillar Coupe
80	2-Door - Pick-Up Delivery
87	2-Door - Plain Back - Hardtop Coupe

### BODY STYLE NAME

Body style names are used for group classification as follows (style numbers suffix shown in brackets):

- Closed Style
  - Two-door coupe (27,77)
  - Four-door sedan (69)
  - Limousine (23,33)
- Hardtop
  - Sport coupe hardtop (37, 47, 57, 87)
  - Sedan hardtop (39, 49)
- Station Wagon
  - Station wagon two seat (35-36, less skylight; 56 with skylight)
  - Station wagon three seat (45-46 less skylight; 66 with skylight)
- Convertible Coupe (67)
- Sedan Delivery (80)

## BODY NUMBER PLATE

The body number plate identifies the model year, car division, series, style, body assembly plant, body number, trim combination, paint code and date build

code (Figs. 1-1 and 1-2). On all "B", "C", "D" and "E" bodies, plate is located on right upper portion of horizontal surface of shroud. On all other bodies, plate is located on left upper portion of horizontal surface of shroud.

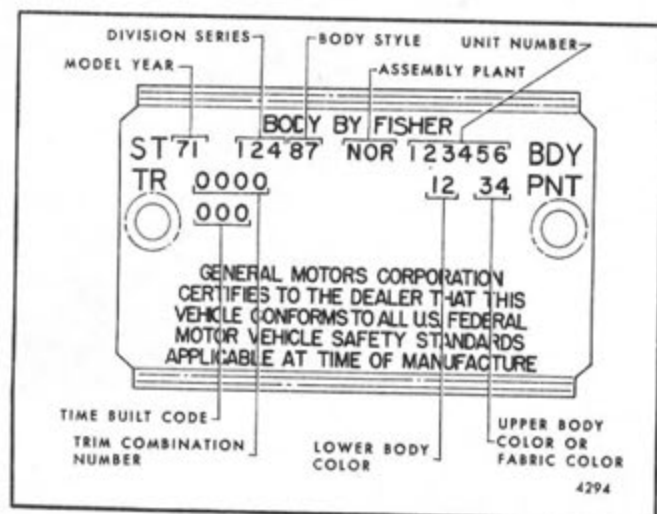


Fig. 1-1-Body Number Plate - U.S. Models

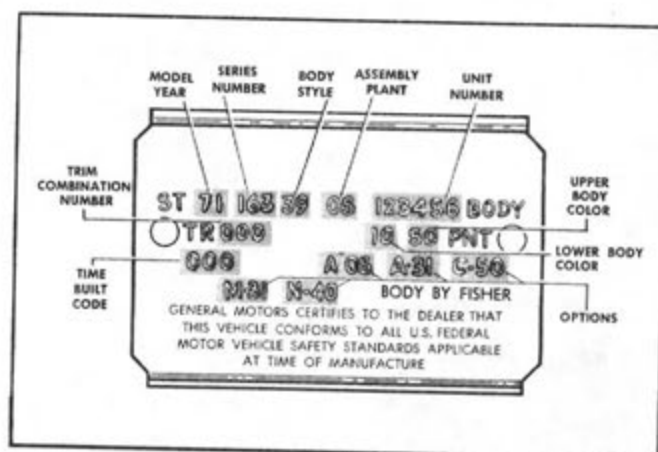


Fig. 1-2-Body Number Plate - Canadian Models

## VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (serial number) is located on left horizontal surface of instrument panel which is visible from outside the car (Figure 1-3 shows a typical installation).

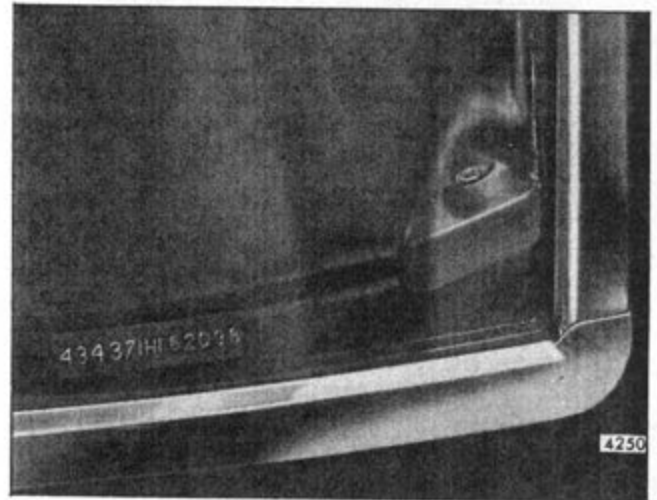


Fig. 1-3-Typical Vehicle Identification Number

## LOCK CYLINDER CODING

### FIVE BITTING LEVEL LOCK CYLINDER AND KEY

All 1971 style cars are equipped with new lock cylinders and keys. The keyway has been revised so

that prior model keys will not enter current model lock cylinders.

Two non-interchangeable keyways are used on 1971 model cars. One keyway, known as type "A", is used

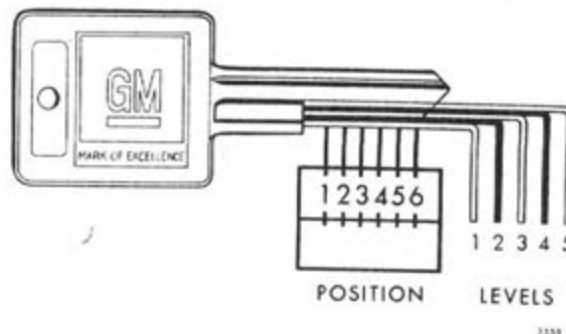


Fig. 1-4-Key Code Diagram