

# GENERAL

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# MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS. OR SEATS
T-CAR	CHEVETTE	2-Dr. Hatchback Coupe	1TB08	4
		2-Dr. Hatchback Coupe	1TJ08	2



# EXTERIOR EQUIPMENT

## STANDARD EQUIPMENT EXTERIOR

	1TB08	1TJ08
<b>FRONT</b>		
Bright Windshield Reveal Molding in Weatherstrip (F) . . . . .	X	
Bright "Chevrolet" Nameplate on Grille (C) . . . . .	X	X
Argent and Body Color Grille (Plastic) (C) . . . . .	X	
Argent Grille (Plastic) (C) . . . . .		X
Parking Lamps Located in Bumper - Amber Lens (C) . . . . .	X	X
Black Headlamp Bezels with Argent Border - Plastic (C) . . . . .	X	
Argent Headlamp Bezels (C) . . . . .		X
Dual Exposed Windshield Wipers - Dull Chrome Arms and Blades (F) . . . . .	X	X
Chrome Plated Steel Bumper (C) . . . . .	X	
Argent Painted Steel Bumper (C) . . . . .		X
Argent Hood Lower Edge Molding (C) . . . . .	X	X
<b>SIDE</b>		
Body Color Front and Rear Bumper Filler Panels (C) . . . . .	X	
Front Marker Lamp - Amber Lens (C) . . . . .	X	X
Flush Type Door Handle (F) . . . . .	X	X
Bright Hub Caps (Aluminum) (C) . . . . .	X	X
LH Rear View Mirror - Rectangular (C) . . . . .	X	X
Rear Marker Lamp - Red Lens (F) . . . . .	X	X
Fixed Rear Quarter Window (F) . . . . .	X	X
Bright Roof Drip Molding (Plastic) (F) . . . . .	X	X
Bright Rocker Panel Molding (Aluminum) (C) . . . . .	X	
Bright "Chevette" Nameplate on Fender Side (Die Casting) (C) . . . . .	X	
Argent "Chevette Scooter" Nameplate on Fender Side (Decal) (C) . . . . .		X
<b>REAR</b>		
Bright "Chevrolet" Nameplate on Hatch - Die Casting (F) . . . . .	X	
Argent "Chevrolet" Nameplate on Hatch - Decal (F) . . . . .		X
Dual Side-Mounted License Plate Lamps (F) . . . . .	X	X
Bright Hatch Window Reveal Molding in Weatherstrip (F) . . . . .	X	
Single Tail Lamp Units with Tri-Color Lens and Bright Bezel (F) . . . . .	X	X
Top Hinged Hatch with Fixed Window and Dual Gas Struts (F) . . . . .	X	X
Chrome Plated Steel Bumper (C) . . . . .	X	
Argent Painted Steel Bumper (C) . . . . .		X

NOTE: (C) = Chevrolet Items  
(F) = Fisher Body Items

# INTERIOR EQUIPMENT

## STANDARD EQUIPMENT INTERIOR

	1TB08	1TJ08
<b>SEATS AND FLOOR COVERING</b>		
Full Foam, High Back Front Bucket Seats (F) . . . . .	X	X
Full Foam, Folding, Full Width Rear Seat (F) . . . . .	X	O
Inertia-Type Front Seat Back Lock (F) . . . . .	X	
Manual Front Seat Back Lock - Black Knob (F) . . . . .		X
Folding Rear Seat Back Lock - Bright (F) . . . . .	X	
Front Seat Fore-Aft Adjuster, Both Seats - Black Knob (F) . . . . .	X	
Front Seat Fore-Aft Adjuster, Driver's Seat - Black Knob (F) . . . . .	X	
Front Seat Hinge Arm Cover - Color Keyed (F) . . . . .	X	X
Front Seat and Shoulder Belt System - Single Belt with Hidden Retractor - Black (F) . . . . .	X	X
Rear Seat Belt System - Conventional 2-Piece Lap Belt for Each Occupant - Black (F) . . . . .	X	
● Carpet Floor Covering - Nylon Cut Pile (Black only for 1TJ08) (F) . . . . .	X	X
Unpainted Aluminum Load Floor Panel with Rubber Mat (F) . . . . .	X	X
Black Plastic Load Floor Extension Panel (F) . . . . .		X
Black - Painted Rear Wheel Wells (F) . . . . .		X
Transmission Shift Lever with Black Boot and Knob with Shift Pattern (C) . . . . .	X	X
Tunnel - Mounted Parking Brake Lever - Black Grip and Shaft (C) . . . . .	X	X
Sill Plates - Bright Aluminum Inner and Black Outer (F) . . . . .	X	
Bright Aluminum Inner Sill Plate (F) . . . . .		X

NOTE: (C) = Chevrolet Items  
(F) - Fisher Body Items

# INTERIOR EQUIPMENT

## STANDARD EQUIPMENT INTERIOR

	1TB08	1TJ08
<b>INSTRUMENT PANEL AND STEERING WHEEL (C)</b>		
Instrument Panel Pad with "Chevrolet" Nameplate - Black	X	X
Instrument Panel Lower and Steering Column - Black	X	X
Steering Column Instrument Panel Shroud - Black	X	X
Steering Column - Mounted Smart Switch (2-Speed Wiper, Washer, Turn Signal, "Flash to Pass" Headlamp Control, and Headlamp Dimmer) - Black	X	X
Steering Column - Mounted Ignition Switch with Anti-Theft Feature and Lock Inhibitor	X	X
Steering Column - Mounted Hazard Flasher Switch - Black Knob	X	X
Two-Spoke Soft Feel Steering Wheel with Center Horn Button - Black	X	X
Steering Wheel Horn Button Insert with Chevette	X	X
Hood Release - Black Handle (Below LH Side of IP)	X	X
<b>Instrument Cluster Carrier and Gages</b>		
Carrier - Black with Bright Accents and Gray Applique	X	
Carrier - Black		X
<b>Instruments (Circular)</b>		
Speedometer-Odometer (80 MPH and 130 KM/H Max.)	X	X
Fuel Gage	X	X
Clock Cover Plate with Graphics	X	X
<b>Warning Lamps for</b>		
Fasten Seat Belts - Med. Red When Lighted	X	X
Brake - Parking and Loss of Hydraulic Pressure - Med. Red When Lighted	X	X
Oil Pressure - Med. Red When Lighted	X	X
Water Temperature - Med. Red When Lighted	X	X
Generator - Light Red When Lighted	X	X
Headlamp High Beam Indicator - Blue When Lighted	X	X
LH and RH Turn Signal Indicators - Green When Lighted	X	X
Three-Speed Blower Heater Control - Black Knobs	X	X
Light Switch - Black Knob with White Circle and Symbol	X	X
Radio - Black Knobs with White Circle and Symbol	O	O
Cigar Lighter - Black with White Circle and Symbol	O	O
Ash Tray with Faceplate Grip	X	X
Glove Compartment with Door	X	
Glove Compartment		X
Flow-Thru Ventilation Outlets (2) - Black Barrels	X	X
Single Horn	X	X

NOTE: (C) = Chevrolet Items

# INTERIOR EQUIPMENT

## STANDARD EQUIPMENT INTERIOR

	1TB08	1TJ08
<b>ROOF AND PILLARS (F)</b>		
"Premier" Vinyl Coated, Perforated Headlining . . . . .	X	X
Forward - Mounted Dome Lamp with Plastic Lens . . . . .	X	X
Dual Non-Hook Padded Sunshades . . . . .	X	X
8-Inch Rear View Mirror - Black Housing . . . . .	X	X
Black - Painted Rear View Mirror Support, Bonded to Windshield . . . . .	X	X
Painted Metal Windshield, Door and Hatch Pillars . . . . .	X	X
Ventilation Relief Valve with Black Grille (Located in Door Lock Pillars) . . . . .	X	X
Left Door Jam Switch - Key Reminder and Dome Lamp . . . . .	X	X
Coat Hooks (2) . . . . .	X	X
<b>DOOR AND QUARTER PANEL (F)</b>		
● Molded Plastic Door Trim Panel with Armrest and Remote Door Handle Pocket . . . . .	X	
Embossed Fiberboard Door Trim Panel . . . . .		X
Bright Door Window Regulator Handle with Black Knob . . . . .	X	
Black Door Window Regulator Handle and Knob . . . . .		X
Bright Remote Door Handle . . . . .	X	
Black Remote Door Handle and Escutcheon . . . . .		X
Black Door Assist Grip with Bright Escutcheons . . . . .		X
Bright Remote Door Lock Button . . . . .	X	X
Molded Plastic Cowl Kick Pads . . . . .	X	X
Molded Plastic Quarter Trim Panel . . . . .	X	
Embossed Fiberboard Quarter Trim Panels . . . . .		X
Molded Plastic Rear End Panel Trim . . . . .	X	
Embossed Fiberboard Rear End Panel Trim . . . . .		X

NOTE: (F) = Fisher Body Items



# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	<u>RPO</u>	<u>ACC</u>
<u>MODEL OPTIONS</u>		
WOOD OPTION (see page 10 for content) . . . . .	Z18	
● RALLY SPORT OPTION (see page 11 for content) . . . . .	ZQ3	
CUSTOM INTERIOR OPTION (see page 12 for content) . . . . .	ZJ1	
● CUSTOM EXTERIOR OPTION (see page 12 for content) . . . . .	ZJ2	
 <u>POWER TEAMS</u>		
ENGINE L4 - 1.6 Litre (1TB08 only) . . . . .	LY5	
TRANSMISSION, 3-Speed Automatic (1TB08 only) . . . . .	M40	
AXLE - Rear 4.11:1 Ratio . . . . .	G92	
AXLE - Rear 3.70:1 Ratio . . . . .	G95	
 <u>FACTORY INSTALLED REGULAR PRODUCTION TIRES</u>		
P155/80 R13 Steel Belted Radial, Blackwall . . . . .	QDF	
P155/80 R13 Steel Belted Radial, Whitewall . . . . .	QDG	
P155/80 R13 Steel Belted Radial White Lettered . . . . .	QDK	
P155/80 D13 Bias Ply Whitewall . . . . .	QJF	

## EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC
Seat and Shoulder Belts - Deluxe (1TB08 only)	AK1	
Rear Seat (1TJ08 only)	AQ4	
Glass Tinted - All Windows	A01	
Rear Quarter Window - Swing Out	A20	
Glove Box Lock (1TB08 only)	A99	
Floor Mats - Front and Rear Color Keyed	B37	X
Floor Mats - Front Only Color Keyed (1TJ08 only)	B32	X
Carpet - Load Floor, Seat Back (1TB08 only)	B44	
Molding - Body Side With Vinyl Insert	B84	
Molding - Body Side (adhesive back)		X
Moldings - Side Window Reveal (1TB08 only)	B90	
Guards - Door Edge	B93	X
Guards - Door Edge, Vinyl		X
Vinyl Roof Cover - Full (1TB08 only)	C09	
Defogger Rear Window - Electric	C49	
Air Conditioning (1TB08 only)	C60	
Door Jamb Switch - RH	C80	
Rear View Mirror - Day/Night Inside	D31	X
Console - Deluxe (1TB08 only)	D55	
Mirrors Rear View - Remote Control Outside (Sport Type) LH and RH (1TB08 only)	D68	
Mirror Rear View - Remote Control Outside (Sport Type) LH only (1TB08 only)	D69	
Rear Stabilizer (1TB08 only)	GN1	
Heater - Engine Block (Canada only)	K05	
Sport Shift - Base Transmission only, Plus D55 Console Required (1TB08 only)	MC4	
Steering Wheel - Sport Type (1TB08 only)	N31	
Wheel Trim Covers (1TB08 only)	PB2	
Wheel Trim Rings	P06	X
Battery, Heavy Duty	UA1	
Gauge Package - With Tach and Temp Gauge (1TB08 only)	U14	
Clock Electric	U35	X
Cigar Lighter	U37	
Radio AM	U63	X
Radio AM/FM	U69	X
Speaker, Auxiliary (1TB08 only)	U80	X
● Stabilizer Bar Rear	GN1	
Bumper Impact Strips - Front and Rear	VE5	
Radiator Heavy Duty (1TB08 only)	V01	
Guards, Bumper - Front and Rear	V30	
Luggage Carrier	V55	X
Lighting, Auxiliary	ZJ9	
Rear Compartment Light and Hatch Switch U25		X
Engine Compartment Light U26		X
Glove Box Light (except 1TJ08) U27		X
Instrument Panel Courtesy Lights U29		X
● Alarm Theft		X
Container, Tissue/Litter - Black		X
Compass, Auto		X
Lamp, Portable Spot		X
● Lighter, Cigarette		X
Mirror, Trailer - Fender, Clamp On		X
Mirror, Vanity Visor		X
Radio, CB		X
Seat, Child Safety		X
Seat, Infant Safety		X
Warmer, Car Interior		X
Hitch, Trailer		X
Antenna, Radio and CB		X
Harness, Rear Seat Shoulder		X
Heater, Engine Block		X

**WOODY OPTION - Z18, (Includes ZJ1 Custom Interior)**

**MODEL AVAILABILITY**

**Chevette - Hatchback Coupe (1TB08)**

**EQUIPMENT (used in addition to or in place of Standard equipment)**

**EXTERIOR**

**Simulated Wood Paneling (Body side including gas cap)**

**"Woody" Decal (Rear)**

**Deluxe Grille**

**Bright Side Window Reveal Moldings**

**Deletion of Base Rocker Panel Molding**

**Bright Hood Lower Edge Molding**

**Wheel Trim Rings**

**Black Headlamp Bezel with Bright Border**

● **INTERIOR**

**Acoustical Package - Mini**

**Assist Grip - RH Front**

**Carpeted Seat Back and Load Floor**

**Cowl Kick Pad - Color Keyed**

**Door Jamb Switch - RH**

**Door Trim**

**Applied Armrest**

**Carpeted Scuff Pad**

**Molding Accent**

**Cluster with Woodgrain Applique**

**Instrument Panel**

**Color Keying**

**Bright Bead Accent**

**Woodgrain Moldings**

**Glove Box Lock**

**Cigar Lighter**

**Interior Paint - Same as Trim Color**

**Rear View Mirror - Day/Night, Inside**

**Seat Trim - Custom**

\* **Sport Shift - 4 Speed**

**Sport Steering Wheel**

\* **Deluxe Console (D55) included.**

**RALLY SPORT OPTION - ZQ3**

**MODEL AVAILABILITY**

**Chevette - Hatchback Coupe (1TB08)**

**EQUIPMENT (Used in addition to or in place of standard equipment)**

**EXTERIOR**

**Decals and Accent Trim**

**Sport Striping**

**Black Painted Rocker Panel**

**Black Painted Rear End Panel**

**'Rally' Decal (side and rear)**

**Black Rear Quarter Pinch Weld (rear of wheel opening)**

**Molding Treatment**

**Deletion of Base Rocker Panel Molding**

**Wheel Trim Covers**

**INTERIOR**

**Assist Grip - RH Front**

**Gauge Pack with Tach**

\* **Sport Shift - 4-Speed**

**Sport Steering Wheel**

\* **Deluxe Console (D55) included.**

**CHASSIS AND ENGINE**

**Engine and Exhaust - 1.6 Litre Engine**

**Rear Stabilizer Bar**

# RPO ZJ1 AND ZJ2

## CUSTOM INTERIOR OPTION - ZJ1

### MODEL AVAILABILITY

Chevette - Hatchback Coupe (1TB08)

### EQUIPMENT (used in addition to or in place of Standard equipment)

#### INTERIOR

Acoustical Package - Mini (BS1)  
Assist Grip - RH Front (E28)  
Carpeted Seat Back and Load Floor (B44)  
Cowl Kick Pad - Color Keyed  
Door Jamb Switch - RH (C80)  
Door Trim (Y10)

- Applied Armrest
- Carpeted Scuff Pad
- Molding Accent (BB8)

Cluster with Woodgrain Applique  
Instrument Panel

- Color Keying
- Bright Bead Accents
- Woodgrain Moldings
- Glove Box Lock (A99)
- Cigar Lighter (U37)

Interior Paint - Same as Trim Color  
Rear View Mirror - Day/Night, Inside (D31)  
Seat Trim - Custom (Y02, Y03)  
Sport Steering Wheel (N31)

## CUSTOM EXTERIOR OPTION - ZJ2

### MODEL AVAILABILITY

Chevette - Hatchback Coupe (1TB08)

### EQUIPMENT (used in addition to or in place of Standard equipment)

#### EXTERIOR

Bumper Impact Strip  
Black Painted Rocker Panels  
Deluxe Grille  
Front and Rear Wheel Moldings  
Deluxe Rocker Panel Moldings  
Front Fender Moldings  
Rear End Moldings  
Deletion of Base Rocker Panel Moldings  
Bright Hood Lower Edge Moldings  
Vinyl Door Handle Inserts  
Black Headlamp Bezel with Bright Border  
Black Rear Quarter Pinch Weld (Rear of wheel opening)

## FOUR SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by two horizontal levers on instrument control panel, plus 4-speed fan switch. Upper lever operates compressor and air selector doors; lower lever controls air temperature from instrument panel and side outlets.

## BASIC COMPONENTS

Control panel, evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

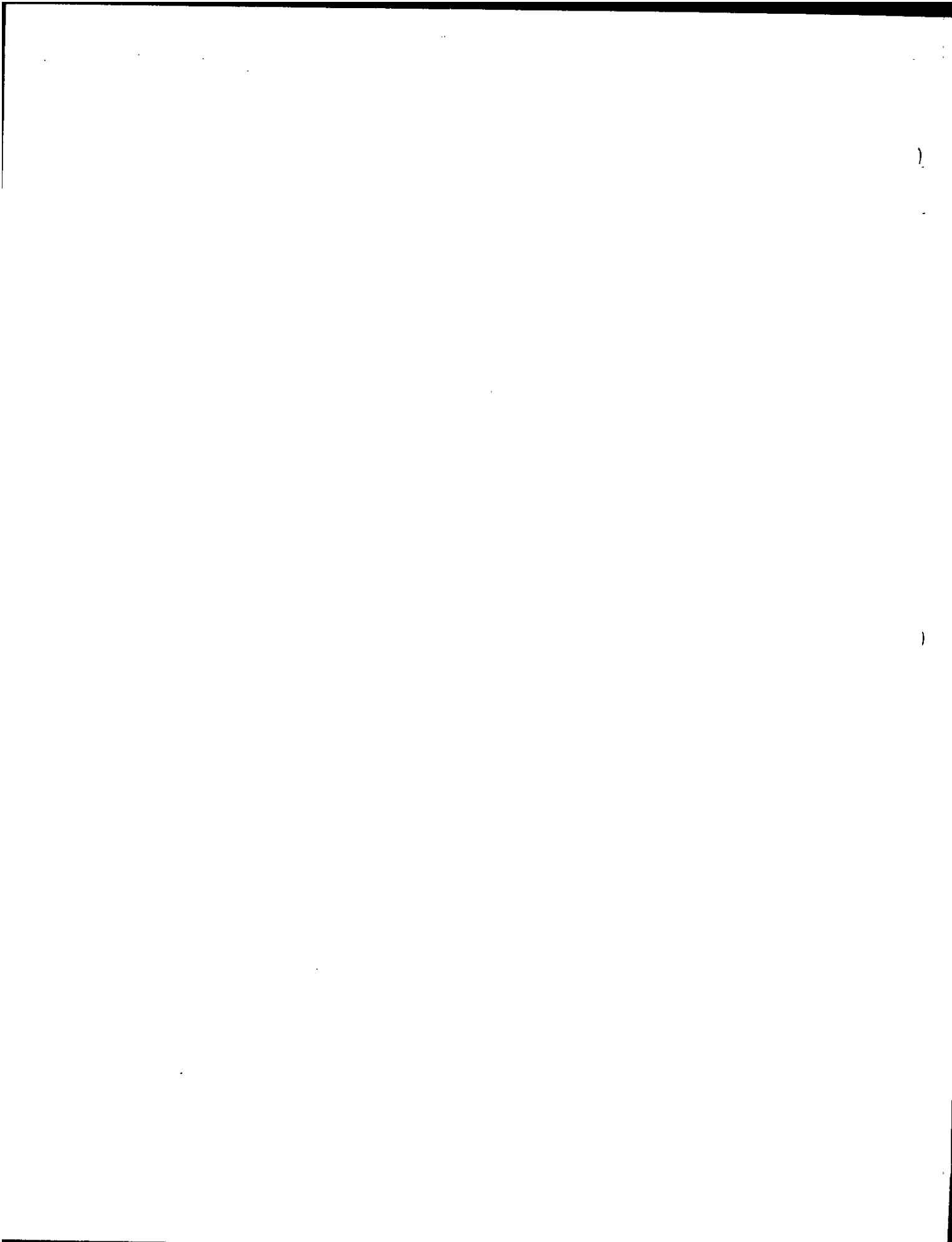
## EQUIPMENT (Used in addition to or in place of base equipment)

### CHASSIS

Rear Axle Ratio ~ Refer to Power Trains Section

### POWER TRAINS

Fan	5 Flex-blade, plastic
Crankshaft Pulley	Single two groove pulley
Compressor & Crankshaft Belt	One
Generator	55 Ampere
Radiator	Heavier duty

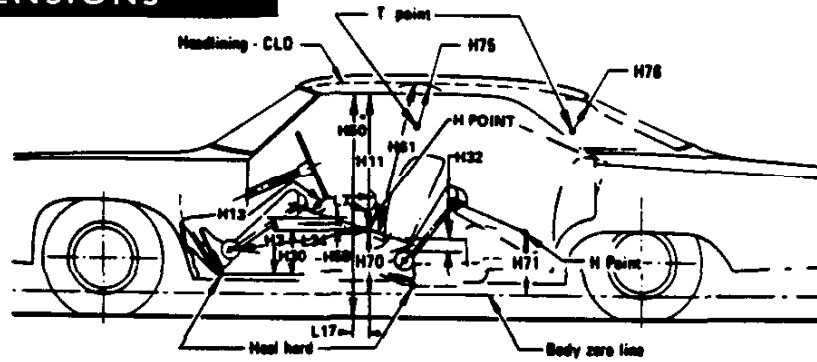


# DIMENSIONS AND WEIGHTS

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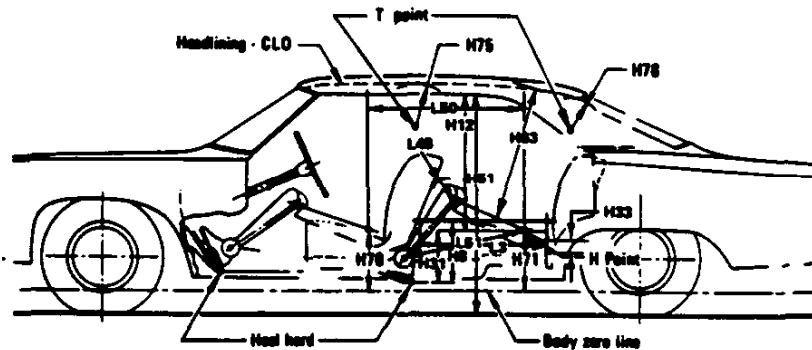


# INTERIOR DIMENSIONS



## FRONT COMPARTMENT

CODE	DESCRIPTION	HATCHBACK COUPES	
		1TB08	1TJ08
H-3	Seat cushion height	11.6 ( 295 mm)	
H11	Entrance height	30.6 ( 778 mm)	
H13	Steering wheel thigh clearance	3.3 ( 84 mm)	
H30	H point to heel point	9.9 ( 251 mm)	
H32	Seat cushion deflection	3.3 ( 84 mm)	
H50	Upper body opening to ground	48.8 (1229 mm)	
H58	H point rise	0.9 ( 22 mm)	
H61	Effective headroom	38.1 ( 968 mm)	
H70	H point to body O line	13.2 ( 336 mm)	
H75	Effective "T" point headroom	38.3 ( 974 mm)	
W3	Shoulder room	50.1 (1273 mm)	
W5	Hip room	49.9 (1268 mm)	
L7	Steering wheel torso clearance	14.3 ( 365 mm)	
L17	H point travel	5.3 ( 134 mm)	
L34	Effective leg room	41.5 (1055 mm)	



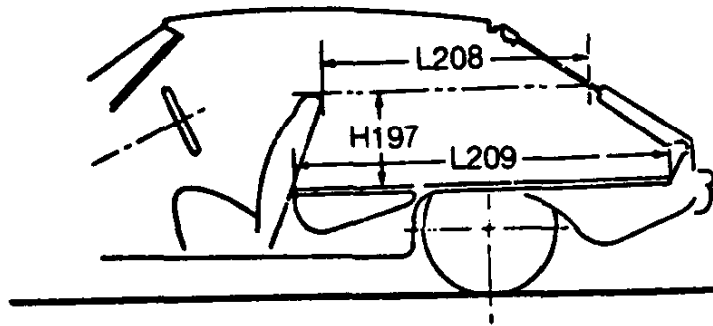
## REAR COMPARTMENT

H8	Seat cushion height	12.2( 310 mm)	-
H12	Entrance height	-	-
H31	H point to heel point	10.5 ( 266 mm)	-
H33	Seat cushion deflection	5.2 ( 133 mm)	-
H51	Upper body opening to ground	-	-
H63	Effective headroom	37.3 ( 947 mm)	-
H71	H point to body O line	13.4 ( 340 mm)	-
H76	Effective "T" point headroom	37.0 ( 941 mm)	-
W4	Shoulder room	49.3 (1252 mm)	-
W6	Hip room	48.8 (1240 mm)	-
L3	Rear compartment room	22.3 ( 567 mm)	-
L50	H point couple distance	26.7 ( 678 mm)	-
L51	Effective leg room	28.7 ( 730 mm)	-

# INTERIOR DIMENSIONS

## LUGGAGE COMPARTMENT

CODE	DESCRIPTION	HATCHBACK COUPES	
		1TB08	1TJ08
H195	Liftover height	28.5 ( 723 mm)	
V1	Usable luggage capacity (cu.ft.)	-	

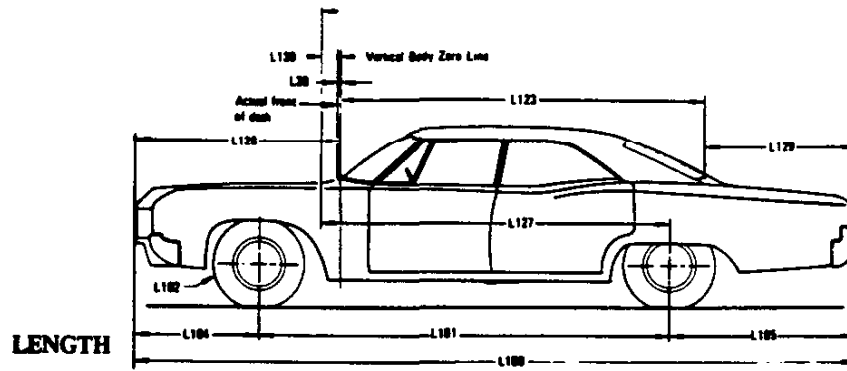


## HATCHBACK CARGO SPACE

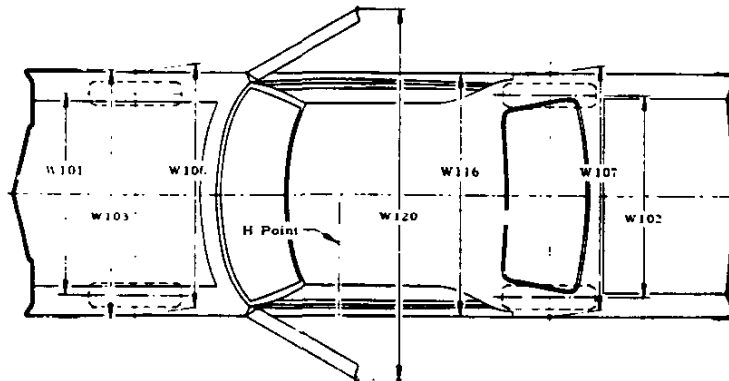
W4	Shoulder room - rear	49.3 (1253 mm)	
H197	Front seat back to load floor height	19.2 ( 488 mm)	
L208	Cargo length at - front seat back height	37.4 ( 950 mm)	
L209	Cargo length at floor - front seat	58.0 (1474 mm)	
V3	Total hatchback - cargo index volume (cu.ft.)	26.2 (742 $\frac{1}{2}$ )	@ 30.2 (855 $\frac{1}{2}$ )

@ Additional volume due to shape of fleet panel.

# EXTERIOR DIMENSIONS



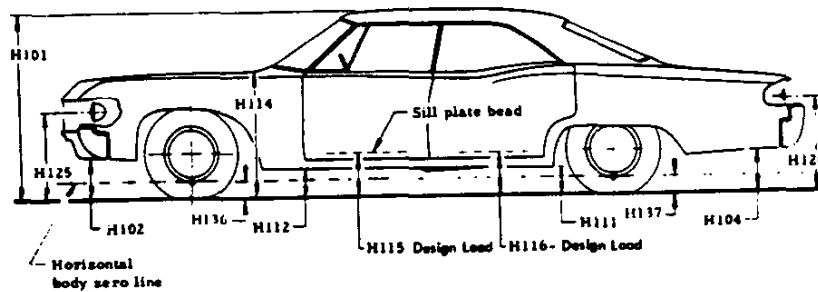
CODE	DESCRIPTION	HATCHBACK COUPES	
		1TB08	1TJ08
L101	Wheelbase	94.3 (2394 mm)	
L102	Tire size (standard)	P155/80D13	
L103	Overall length	158.7 (4031 mm)	
L104	Overhang, front	30.2 ( 767 mm)	
L105	Overhang, rear	34.3 ( 870 mm)	
-	Overall length - less bumpers	149.0 (3785 mm)	
L123	Body upper structure length at car center line	96.5 (2450 mm)	
L127	Body O line to C/L of rear wheels	85.8 (2179 mm)	
L128	Front end length at center line	- 8.5 (-215 mm)	
L129	Rear end length at center line	8.5 ( 215 mm)	
L130	Body zero plane to windshield cowl point	12.0 ( 305 mm)	
L30	Body O line to actual front of dash	0.8 ( 21 mm)	



## WIDTHS

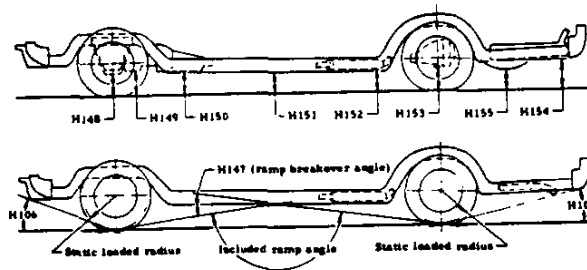
W101	Tread - front	51.2 (1300 mm)
W102	Tread - rear	51.2 (1300 mm)
W103	Maximum overall width of car	61.8 (1570 mm)
W106	Front fender overall width	60.9 (1548 mm)
W107	Rear fender overall width	61.8 (1570 mm)
W116	Maximum overall width of body	61.8 (1570 mm)
W120	Overall car width, front doors open	133.2 (3384 mm)

## EXTERIOR DIMENSIONS



### HEIGHTS

CODE	DESCRIPTION	HATCHBACK COUPES	
		1TJ08	1TJ08
H101	Overall height (design)	52.3 (1329 mm)	
H102	Front bumper to ground	13.6 ( 345 mm)	
H104	Rear bumper to ground	13.2 ( 335 mm)	
H111	Rocker panel to ground - rear	6.6 ( 168 mm)	
H112	Rocker panel to ground - front	6.9 ( 175 mm)	
H114	Hood at rear to ground	34.8 ( 884 mm)	
H115	Step height - front (design)	12.3 ( 312 mm)	
H125	Headlamp to ground	24.6 ( 625 mm)	
H126	Tail lamp to ground	24.5 ( 622 mm)	
H136	Body O line to ground - front	3.7 ( 94 mm)	
H137	Body O line to ground - rear	3.3 ( 85 mm)	



### CLEARANCES

H106	Angle of approach (degrees)	30.4°
H107	Angle of departure (degrees)	25.9°
H147	Ramp breakover angle (degrees)	20.2°
H148	Front suspension to ground	5.6 ( 142 mm)
H149	Oil pan to ground	5.9 ( 150 mm)
H150	Flywheel housing to ground	6.5 ( 165 mm)
H151	Frame to ground	11.0 ( 279 mm)
H152	Exhaust system to ground	5.8 ( 147 mm)
H153	Rear axle to ground	5.9 ( 150 mm)
H154	Fuel tank to ground	7.9 ( 201 mm)
H156	Minimum ground clearance	5.3 (135 mm) (a)

(a) Front crossmembers, front edge.

# VEHICLE WEIGHTS

MODEL SYMBOL	VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT		
		Front	Rear	Total	Front	Rear	Total
4-Cyl. 1TB08	2-Door Hatchback Coupe	1083 (491 kg)	841 (381 kg)	1924 (872 kg)	1072 (486 kg)	913 (414 kg)	1985 (900 kg)
1TJ08	2-Door Hatchback Coupe	1066 (484 kg)	804 (365 kg)	1870 (848 kg)	1050 (476 kg)	881 (400 kg)	1931 (876 kg)

**SHIPPING WEIGHT:** Weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

**CURB WEIGHT:** Shipping weight plus gasoline to capacity.

For total shipping, and curb weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs.)

## OPTIONAL EQUIPMENT

RPO	OPTION	WEIGHT POUNDS/KILOGRAMS
C60	Air Conditioning	+71 (32.21 kg)
B37	Floor mats, front and rear	+ 5 ( 2.27 kg)
C08	Vinyl roof cover	+ 4 ( 1.81 kg)
B44	Load floor carpet	+ 3 ( 1.36 kg)
J50	Power brakes	+ 6 ( 2.72 kg)
MC4	Sport shifter	+ 5 ( 2.3 kg)
PB2	Wheel trim covers	+ 4 (1.81 kg)
U14	Gauge package deluxe	+ 3 ( 1.36 kg)
U63	Radio AM push-button	+ 3 ( 1.36 kg)
U69	Radio AM-FM push-button	+ 3 ( 1.36 kg)
V01	Radiator heavy duty	+ 4 ( 1.81 kg)
V30	Bumper guards	+ 8 ( 3.62 kg)
V55	Luggage rack	+12 ( 5.44 kg)
Z17	Rally option	+ 7 ( 3.17 kg)
Z18	Woody option	+15 ( 6.80 kg)
M40	Turbo Hydra-Matic Transmission	+46 (20.87 kg)
LY5	97.6 Cu. In. L4 (1.6 Litre) engine	+ 2 ( .90 kg)

# BODY

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# EXTERIOR PAINT PROCESS

TO BE PROVIDED

2-BODY

SEPTEMBER 1975

1976 CHEVETTE

# EXTERIOR-INTERIOR COLORS

## EXTERIOR COLORS - VINYL ROOF COMBINATIONS 1TB08 MODEL

EXTERIOR PAINT				VINYL TOP COLORS 1TB08 ONLY			
1TB08	1TJ08	NO.	COLOR	BLACK	WHITE	LIGHT BUCKSKIN	FIRETHORN METALLIC
X	X	11	White	X	X	X	X
X		13	Silver Metallic	X	X		X
X		19	Black	X	X	X	
X	X	21	Light Blue	X	X		
X		35	Dark Blue Metallic	X	X		
X		36	Firethorn Metallic	X	X	X	X
X		45	Lime Green	X	X		
X		49	Dark Green Metallic	X	X	X	
X	X	50	Cream	X	X	X	
X		51	Bright Yellow	X	X		
X		65	Buckskin	X	X	X	X
X		66	Burnt Orange	X	X	X	
X	X	75	Red	X	X	X	
X		78	Red-Orange	X	X	X	



# EXTERIOR-INTERIOR COLORS

1976 CHEVROLET T-CAR INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM																			
		Black*						Dark Blue			Light Buckskin				Light Buckskin/Black †						
		Vinyl	Vinyl	Vinyl	Perf. Vinyl	Sport Cloth	Black*/Firethorn	Black*/Firethorn	Black*/Firethorn	Vinyl	Perf. Vinyl	Sport Cloth	Cloth	Vinyl	Perf. Vinyl	Sport Cloth	Cloth	Vinyl	Perf. Vinyl	Sport Cloth	
Base - 1TJ00 § Hatchback (08)	Bucket			19V								64GE	64V		64DE						
Standard - 1T900 Hatchback (08)	Bucket	19W**	19M					19M	19W**	26M		64EE	64M		64HE	62EE	62M			62H%	
Custom Interior + RPO ZJ1 (1T808)	Bucket				19N	19C	19N/19C				26N	26C			64N	64C				62N	62C
EXTERIOR COLOR		Color Code																			
White C/O	§	11	X	-	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Silver Metallic		13	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Black		19	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Light Blue	§	21	X	-	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dark Blue Metallic		35	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Firethorn Metallic		36	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Line Green		45	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dark Green Metallic		49	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cream	§	50	X	-	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bright Yellow		51	X	-	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Buckskin		65	X	-	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Burnt Orange		66	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Red	§	75	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Red-Orange		78	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X

- \*-Carpet Selection. Firethorn Accent Carpet is available with all Black interiors except 1TJ08. To select Accent Carpet, specify RPO number plus 71F.
- †-Light Buckskin interiors with Black Instrument Panel, Cowl Kick Panel, and Carpet.
- + -Included in Woody option RPO Z18.
- § - 1TJ08 available only in four exterior colors.
- ¶ - G and E combinations (Calypso) to be offered first until exhausted. Then B and J combinations (Caballero) to be offered.
- % - H combination (Metamora) to be offered later as a special spring package.
- \*\* - Includes a White headlining, sunshades, associated mldgs. and assist handle on pass. side when specified. No ZP2 override is authorized.

# EXTERIOR-INTERIOR COLORS

## 1976 CHEVROLET T-CAR INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR													
		Dark Firethorn				† Dark Firethorn /Black				White					
		Cloth	Vinyl	Perf. Vinyl	Sport Cloth	Cloth	Vinyl	Perf. Vinyl	Sport Cloth	†	†	†	†	*	
										Perf. Vinyl /Black	Perf. Vinyl /Dark Blue	Perf. Vinyl /Dark Firethorn	Perf. Vinyl /Dark Lime	Vinyl With Cloth Insert /Dark Firethorn	
Base - 1TJ00 Hatchback (08)	\$ Bucket														
Standard - 1TB00 Hatchback (08)	Bucket	71E@	71M		71J@	72E@	72M		72J@						
Custom Interior + RPO ZJ1 (1TB08)	Bucket			71N	71C				72N	72C	11N	02N	07N	03N	07D
EXTERIOR COLOR	Color Code														
White C/O	\$ 11			X				X		X	X	X	X	X	X
Silver Metallic	13			X				X		X	X	X	-	-	X
Black	19			X				X		X	X	X	-	-	X
Light Blue	\$ 21			-				-		X	X	-	-	-	-
Dark Blue Metallic	35			-				-		X	X	-	-	-	-
Firethorn Metallic	36			X				X		X	-	X	-	-	X
Lime Green	45			-				-		X	-	-	-	X	-
Dark Green Metallic	49			-				-		X	-	-	-	X	-
Cream	\$ 50			-				-		X	-	X	-	-	X
Bright Yellow	51			-				-		X	-	-	-	-	-
Buckskin	65			X				X		X	-	X	-	-	X
Burnt Orange	66			-				-		X	-	-	-	-	-
Red	\$ 75			X				X		X	-	X	-	-	X
Red-Orange	78			-				-		X	-	X	-	-	X

- NOTES: 11N † - White vinyl interior with Black Instrument Panel upper and lower, Carpet, Cowl Kick Panel.  
 02N † - White vinyl interior with Dark Blue Instrument Panel upper and lower, Carpet, Cowl Kick Panel.  
 03N † - White vinyl interior with Midnight Lime Instrument Panel upper, Dark Lime lower, Dark Lime Carpet, Cowl Kick Panel.  
 07N † - White vinyl interior with Dark Firethorn Instrument Panel upper and lower, Carpet, and Cowl Kick Panel.

- † - Dark Firethorn/Black - Dark Firethorn interior with Black Instrument Panel, Cowl Kick Panel and Carpet.  
 † - Included in Woody option RPO Z18.  
 \$ - 1TJ08 available only in four exterior colors.  
 @ - E combination (Calypso) to be offered first until exhausted. Then J combination (Caballero) to be offered.  
 \* - Bi-Centennial cloth interior - consists of standard design front seat in White vinyl with Americana (613WC) cloth insert, White vinyl doors, and Firethorn Instrument Panel, Carpet, and Cowl Kick Panel.

# EXTERIOR-INTERIOR COLORS

## EXTERIOR COLOR – SPORT STRIPE COMBINATIONS 1TA00 RPO Z17 (SPORT DECOR) and RPO Z24 (RALLY)

EXTERIOR BODY COLOR		(RPO Z17) STRIPE	(RPO Z24) LETTERING
WHITE	11	DARK BLUE	WHITE (1)
SILVER MET.	13	RED-ORANGE	WHITE (1)
BLACK	19	GOLD	WHITE (2)
LIGHT BLUE	21	DARK BLUE	WHITE (1)
DK. BLUE MET.	35	GOLD	WHITE (2)
FIRETHORN MET.	36	GOLD	WHITE (2)
LIME GREEN	45	GOLD	WHITE (2)
DK. GREEN MET.	49	GOLD	WHITE (2)
CREAM	50	GOLD	WHITE (2)
BRIGHT YELLOW	51	DK. YELLOW	WHITE (3)
BUCKSKIN	65	RED-ORANGE	WHITE (1)
BURNT ORANGE	66	GOLD	WHITE (2)
RED	75	GOLD	WHITE (2)
RED-ORANGE	78	GOLD	WHITE (2)

### RPO Z17 – STRIPE IDENTIFICATION

CENTER COLOR		ACCENT COLOR		BORDER COLOR	
DK. BLUE	WMH 4829	RED	WMH 4830	BLACK	WMH 848
GOLD	WMH 4831	WHITE	WMH 3967	ORANGE	WMH 4832
DK. YELLOW	WMH 4539	WHITE	WMH 3967	ORANGE	WMH 4832
RED-ORG.	WMH 4833	WHITE	WMH 3967	BLACK	WMH 848

### RPO Z24 – LETTERING IDENTIFICATION

CENTER COLOR		ACCENT COLOR		BORDER COLOR	
WHITE (1)	WMH 3967	RED	WMH 4830	BLACK	WMH 848
WHITE (2)	WMH 3967	GOLD	WMH 4831	ORANGE	WMH 4832
WHITE (3)	WMH 3967	DK. YELLOW	WMH 4539	ORANGE	WMH 4832

# BODY CONSTRUCTION AND GLASS AREA

## GENERAL

Construction . . . . . Body-frame integral, using large individual body panels welded together forming complete sub-assemblies. All major sub-assemblies are double panel construction except underbody and rear end panel. The full roof panel subassembly is formed to provide front and rear headers and side rails. Exterior front end sheet metal panels are removable with bolt on fenders. Main front end structure is welded to body proper and forms the base for attachment of engine, front suspension, steering and front end sheet metal.

## DOORS

Type . . . . . Double panel construction, hinged at front. Side guard beams. Standard spring loaded hold-open feature with two position detent. Welded-on strap type hinges.  
 Handles . . . . . Flush lift bars  
 Glass . . . . . Full, curved ventless

## HOOD AND HATCH DOOR

Type . . . . . Double panel construction, rear hinged, pop-up springs over-center, prop rod holds hood open for engine compartment access, on hatch door dual telescoping gas springs.  
 Release . . . . . Internal, lever located under instrument panel, left of steering column.

## VENTILATION

High level Air Intake for Passenger  
 Compartment . . . . . Double wall plenum chamber  
 Powered System . . . . . Positive, low blower speed activated thru ignition switch.

## SEATS

Type . . . . . Bucket seats, full foam molded construction with integral head restraints. Folding rear seat standard equipment for 1TB08.

## WINDSHIELD WIPERS AND WASHERS

Type . . . . . Dual 2-speed electric with 16" blades  
 Linkage . . . . . Parallel acting  
 Washer System . . . . . Electric, dual spray

## HEADLIGHTS

Type . . . . . 7" Power Beam single headlamps

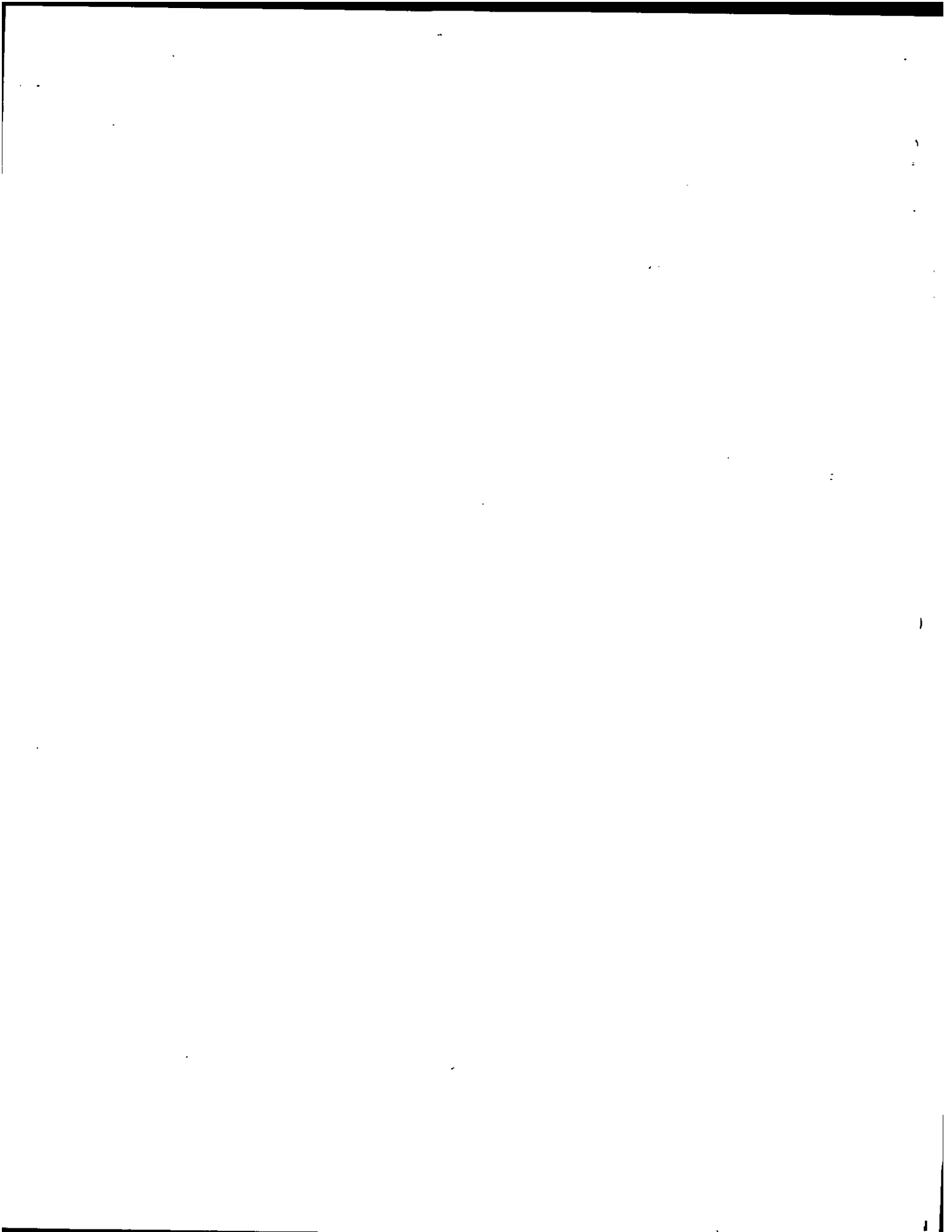
## SPARE TIRE MOUNT

Location . . . . . Under floor of luggage compartment  
 Tools . . . . . Bumper jack with combination lever handle and wheel nut wrench.

## BODY GLASS VISIBILITY AREA

MODELS	
1TB08-1TJ08	
Windshield	1077.5 (0.695 m <sup>2</sup> )
Front Door	882.8 (0.5695m <sup>2</sup> )
Rear Quarter	741.0 (0.4781m <sup>2</sup> )
Rear Window	840.4 (.5422m <sup>2</sup> )
Total Area (Sq.In.)	3541.7 (2.2848m <sup>2</sup> )

Type, Windshield . . . . . Curved thin laminated plate  
 Front Door . . . . . Curved tempered safety plate  
 Rear Quarter Windows . . . . . Tempered Curved stationary (swing out optional)  
 Rear hatch . . . . . Tempered curved stationary



# CHASSIS

FRAME AND FRONT SUSPENSION .....	2
STEERING, DRIVELINE, WHEELS AND TIRES .....	3
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# FRAME AND FRONT SUSPENSION

## FRAME

Description ..... Unitized frame with crossmember reinforcement

## FRONT SUSPENSION

Description ..... Independent, SLA type, coil springs with outboard mounted shock absorbers, spherical joint steering knuckle.

### Wheel Travel (design)

Total ..... 7.05 in. (179.1 mm)  
 Jounce ..... 3.45 in. (87.7 mm)  
 Rebound ..... 3.59 in. (91.4 mm)  
 Wheel to spring travel ratio ..... 1.74

## CONTROL ARMS

Description ..... Reinforced steel stamping with pre-loaded steel encased rubber bushings at pivot.

## STEERING KNUCKLES

Description ..... Forged steel with integral spindle, integral brake caliper mounting pads and integral steering knuckle arm.

### Spindle Diameters

Inner bearing ..... 1.06 in. (26.98 mm)  
 Outer bearing ..... 0.69 in. (17.45 mm)

### Spindle Thread Size

### Wheel Bearings

Type, inner & outer ..... Taper roller

## SPHERICAL JOINTS

Type ..... Ball stud  
 Upper ..... Compression  
 Lower ..... Tension  
 Bearing Surfaces  
 Upper & Lower ..... Sintered iron

## SHOCK ABSORBERS

Type ..... Direct, double acting, hydraulic  
 Piston Diameter ..... 1.0 in. (25.4 mm)

## FRONT WHEEL ALIGNMENT (Design)

Caster (degrees) .....  $P4^{\circ} 30' \pm 1^{\circ}$   
 Camber (degrees) .....  $P0^{\circ} 15' \pm 0^{\circ} 45'$   
 Toe-In (total) .....  $.06 + .08$  in. ( $1.5 \pm 2.0$  mm)  
 Steering axis inclination .....  $7.55^{\circ}$  @  $50^{\circ}$  camber

## STABILIZER BAR

Type ..... Link  
 Material ..... HR steel  
 Diameter ..... 0.87 in. (22.1 mm)  
 Bushing Material ..... Rubber

## GENERAL SUSPENSION PROVISIONS

Anti-dive control ..... Angle of front upper control arm

## FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

### FRONT SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		HEIGHTS			
		in	mm	in	mm		lbs/in	N/mm	Free		Working	
									in	mm	in @ lbs	mm @ N
362191	ATB	103.7	2633.9	.466	11.33	8.62	130	22.7	14.00	355.5	8.24 @ 745	209.3 @ 3314
362192	ATC	104.4	2652.6	.446	11.68	8.65	143	25.2	13.83	351.3	8.24 @ 805	209.3 @ 3581
362193	ATD	105.9	2690.8	.474	12.06	8.75	160	28.0	13.68	347.6	8.24 @ 870	209.3 @ 3870
362194	ATF	102.8	2612.5	.496	12.62	8.44	196	34.4	13.02	330.7	8.24 @ 940	209.3 @ 4181
362195	ATH	100.0	2540.8	.520	13.23	8.16	243	42.6	12.41	315.3	8.24 @ 1015	209.3 @ 4515
362196	ATJ	95.6	2428.9	.553	14.05	7.74	323	56.6	11.63	295.4	8.24 @ 1095	209.3 @ 4871
370933	ANA	89.2	2265.9	.607	15.42	7.13	500	87.6	10.60	269.2	8.24 @ 1180	209.3 @ 5249

# STEERING, DRIVELINE, WHEELS AND TIRES

## STEERING

Wheel	
Type	Round with angled shroud
Diameter	15.0 in. (382.0 mm)
Column	Energy absorbing - mast jacket, tube and steering shaft designed to collapse under various front impact conditions.
Gear Type	Rack and pinion
Ratios, Gear	19.0:1
Ratios, Overall	18.4:1
Number of wheel turns, lock to lock	3.6
Linkage	Parallelogram type, ahead of front wheels
Turning Diameters	
Outside front, wall to wall	34.3 ft. (10.5 m)
Outside front, curb to curb	30.2 ft. (9.2 m)

## DRIVELINE

Propeller Shaft	Straight tube attached by universal joints to a solid steel pinion extension. A torque tube that houses the extension shaft is bolted to the differential housing.
Diameter (O.D.)	
Tube	2.00 in. (50.8 mm)
Shaft	.905 in. (23.0 mm)
Wall Thickness	.055 in. (1.39 mm)
Length (C/L of U joints)	
Tube	28.8 in. (732.0 mm)
Shaft	22.6 in. (573.8 mm)
Universal Joints	
Type	Cross
Number Used	Two
Bearings	Prepacked, anti-friction

## WHEELS

Type	Short spoke spider
Rim Size	13 x 5
Offset	1.46 in. (37.0 mm)
Attachment to Hub	
Type	4 hex nuts
Size	M12 x 1.5
Bolt circle diameter	4.00 (100.0 mm)

## TIRES, STANDARD EQUIPMENT

P155/80D13 - Bias Belted	
Static loaded radius	
Inches	10.67
Millimetres	296.4
Loaded rev/mi @ 45 mph	916
Loaded rev/km @ 72 kmh	569
Capacity @ 24 PSI	
Front	786 lbs.
Rear	819 lbs.
Capacity @ 165.48 kPa	
Front	356 kg
Rear	371 kg

## TIRES, OPTIONAL EQUIPMENT

P155/80R13 Steel Belted Radial	
Static loaded radius	
Inches	10.25
Millimetres	260.35
Loaded rev/mi @ 45 mph	916
Loaded rev/km @ 72 kmh	569
Capacity	Same as standard



# REAR AXLE AND SUSPENSION

## REAR AXLE

Description . . . . . Three-piece housing includes integral cast iron differential carrier and housing with two pressed-in and welded steel tubes. Semi-floating axle shafts. Differential carrier contains hypoid overhung pinion and ring gear. Drive pinion supported by two taper roller bearings.

Drive Pinion Vertical Offset . . . . . 1.12 in. (28.45 mm)

Drive Pinion Bearing Adjustment . . . . . Shim

### Lubricant

Type . . . . . Military spec. MIL-L-2105B

Viscosity . . . . . SAE-80

● Capacity . . . . . 1.75 pints (0.828 litres)

## AXLE SHAFT

Description . . . . . Forged and hardened steel with integral drive flange

Wheel Bearings . . . . . Single row cylindrical roller

Oil Seal . . . . . Steel encased, spring loaded synthetic rubber

## RING AND PINION GEAR TOOTH COMBINATIONS

Ring Gear Diameter - 6.5 in. (165.1 mm)

Axle Ratio

3.70 . . . . . 37, 10

4.11 . . . . . 37, 9

## REAR SUSPENSION

Description . . . . . Salisbury rear axle with coil springs; parallel lower control arms, torque tube and track bar.

Wheel Travel (Design)

Total . . . . . 8.74 in. (222.0 mm)

Jounce . . . . . 3.45 in. (87.7 mm)

Rebound . . . . . 3.60 in. (91.4 mm)

Wheel to spring, travel ratio . . . . . 1.205:1

## SHOCK ABSORBERS

Type . . . . . Direct, double acting hydraulic

Diameter . . . . . 1.00 in. (25.4 mm)

## REAR SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

### REAR SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		HEIGHTS			
		in	mm	in	mm		lbs/in	N/mm	Free		Working	
									in	mm	in @ lbs	mm @ N
354159	NAM	90.6	2301.9	.519	13.19	8.59	155	27.1	12.5	317.1	9.20 @ 372	233.7 @ 1655
354183	NAL								12.9	328.1	9.20 @ 422	233.7 @ 1875
354188	NAM								13.3	339.1	9.20 @ 472	233.7 @ 2095
370934	NCR								13.8	350.1	92.0 @ 520	233.7 @ 2315

# BRAKES

GENERAL	Type	Front - Disc; Rear - Drum		
		Manual - Standard	Power - Optional	
	System	Dual circuit hydraulic system with warning light and self-adjusting features		
Front Brakes	Type	Disc - single piston floating caliper		
	Material	Cast iron - solid, integral with hub		
	Diameter and Width	9.68 x 0.50 in. (245.87 mm x 12.7 mm)		
	Lining Material	Molded asbestos		
	Method of attachment	Integral bonding		
	Lining size (length x width x thickness)	Inboard	4.49 x 1.34 x .370 (114.0 x 34.0 x 9.40 mm)	
		Outboard	4.49 x 1.34 x .370 x (114.0 x 34.0 x 9.40 mm)	
	Lining area	31.30 sq. in. (0.020 sq. m)		
	Effective area	31.30 sq. in. (0.020 sq. m)		
	Swept area	146.94 sq. in. (0.095 sq. m)		
● Piston diameter	192.0 sq. in. (0.124 sq. m)			
Rear Brakes	Type	Drum - composite web cast into rim		
	Material	Web - HR steel; Rim - Cast alloy iron		
	Diameter and Width	7.88 x 1.25 in. (200.15 x 31.75 mm)		
	Lining material	Molded asbestos		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Primary	7.48 x 1.75 x 0.252 in. (189.99 x 44.5 x 6.40 mm)	
		Secondary	7.48 x 1.75 x 0.252 in. (189.99 x 44.5 x 6.40 mm)	
	Lining area	50.36 sq. in. (0.032 sq. m)		
	Effective area	51.46 sq. in. (0.033 sq. m)		
	Swept area	87.70 sq. in. (0.057 sq. m)		
Piston diameter	0.75 in. (19.05 mm)			
Apply System	Master cylinder diameter	0.75 in. (19.05 mm)		
	Piston travel	1.224 in. (31.09 mm)		
	Pedal travel	7.65 in. (194.31 mm)	6.69 in. (169.93 mm)	
	Pedal ratio	5.1:1	5.97:1	
	Line pressure @ 100 lb. pedal load	1270		
Parking Brake	Type	Mechanical pull rods and cables operate rear service brakes. 'ON' warning lamp provided.		
	Control	Lever, floor mounted in center console		
	Total effective area	51.46 sq. in. (0.033 sq. m)		

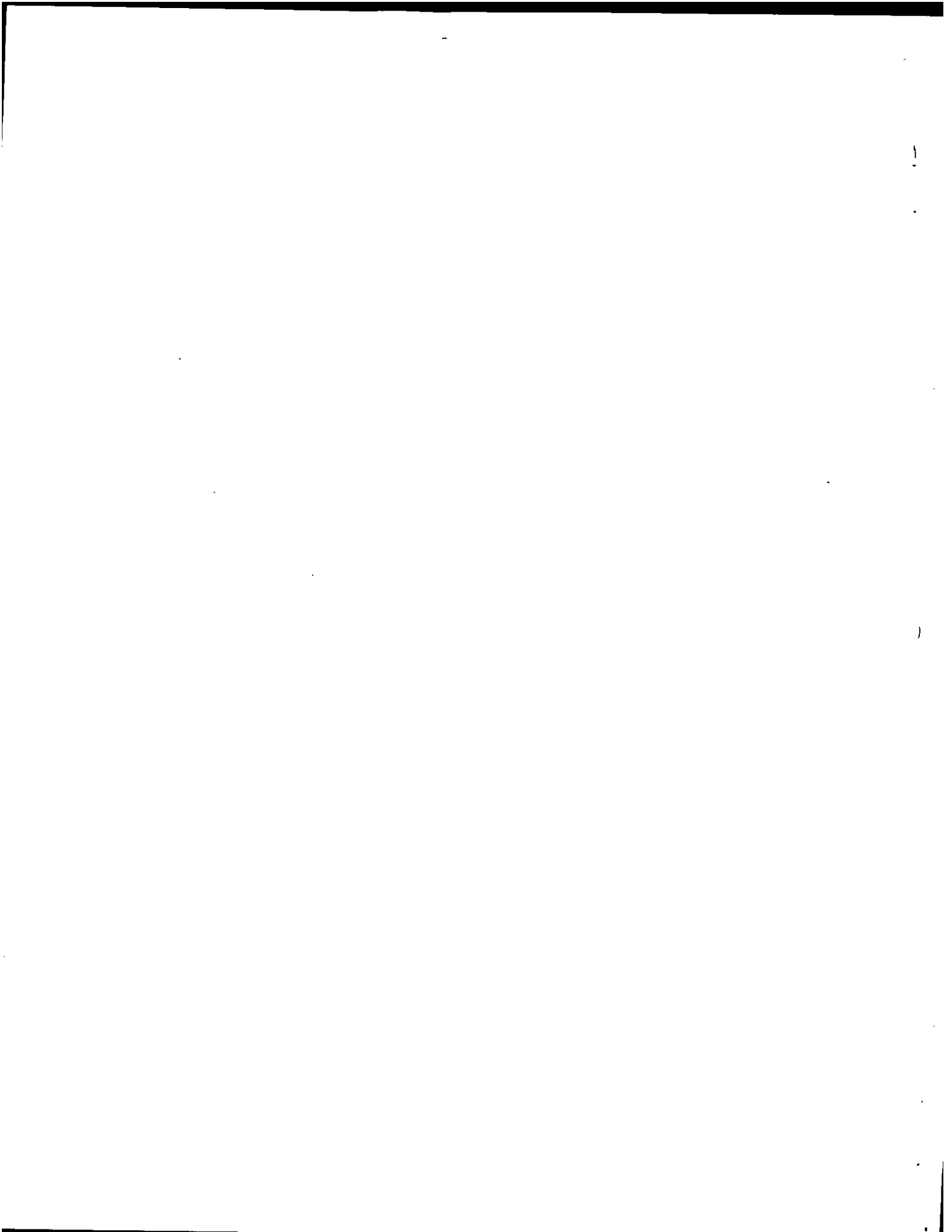
# BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission quadrant	1-194	2
Back-up	2-1156	32
Brake warning	1-194	2
Courtesy lamp	2-631	6
Directional signal indicators	2-194	2
Dome	1-561	12
Engine warning	1-194	2
Generator indicator	1-194	2
Glove Box	1-1891	2
Headlamp	2-6012	High beam 60W Low beam 50W
Headlamp hi-beam indicator	1-194	2
Heater or A/C control	1-194	2
Instrument cluster	6-194	2
License plate, rear	2-194	3
Oil pressure indicator	1-194	2
Parking		
Park		3
Turn	2-157	32
Radio - RPO 58	1-1893	2
RPO U63	1-1893	2
Radio - and/or U69	2-37	5
Seat belt warning	1-194	2
Side marker - front	2-194	2
Side marker - rear	2-168	3
Tail		
Tail		3
Stop and turn	2-1157	32
Underhood Lamp	1-93	15

## FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT *
Air Conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (h)
Automatic trans. indicator	4 amp fuse	Fuse panel (f)
Back-up lamps	20 amp fuse	Fuse panel (b)
Brake warning lamp	10 amp fuse	Fuse panel (c)
Cigarette lighter	20 amp fuse	Fuse panel (e)
Clock	20 amp fuse	Fuse panel (c)
Courtesy lamp	20 amp fuse	Fuse panel (e)
Direction signal indicator lamps	20 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (e)
Fuel gauge	10 amp fuse	Fuse panel (c)
Generator indicator lamp	10 amp fuse	Fuse panel (c)
Glove box	20 amp fuse	Fuse panel (e)
Headlamp buzzer	10 amp fuse	Fuse panel (c)
Headlamps	Circuit breaker	Light switch
Headlamp hi-beam indicator lamp	Circuit breaker	Light switch
Heater control lamp	4 amp fuse	Fuse panel (f)
Heater	25 amp fuse	Fuse panel (h)
Idle stop solenoid	10 amp fuse	Fuse panel (g)
Instrument cluster lamps	4 amp fuse	Fuse panel (f)
Key warning buzzer	20 amp fuse	Fuse panel (e)
License plate lamp	20 amp fuse	Fuse panel (d)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (c)
Park and turn lamp	20 amp fuse	Fuse panel (d)
Radio	10 amp fuse	Fuse panel (g)
Radio lamp	4 amp fuse	Fuse panel (f)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Side marker lamps	20 amp fuse	Fuse panel (d)
Stop and turn lamp	20 amp fuse	Fuse panel (a)
Tail, turn lamps	20 amp fuse	Fuse panel (d)
Temperature gauge	10 amp fuse	Fuse panel (c)
Temperature indicator lamp	10 amp fuse	Fuse panel (c)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Vacuum advance solenoid	10 amp fuse	Fuse panel (g)
Windshield wiper	25 amp fuse	Fuse panel

\* Letter suffix indicates same circuit



# POWER TRAINS

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# POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*			RING GEAR
			BASE (Not available in California)	BASE (California only)	OPTIONAL (Not available in California)	
85 Cubic Inch L4 (1.4 litre) - (LX3) Base - all states	4-Speed (3.75:1 low)	1TJ08	3.70:1	4.11:1		6.50 (165.1 mm)
		1TB08	3.70:1	4.11:1	4.11:1 (a)	
	Turbo Hydra-matic	1TB08	4.11:1	4.11:1		
97.6 Cubic Inch L-4 (1.6 litre) - (LY5) Optional - all states	4-Speed (3.75:1 low)	1TB08	4.11:1	4.11:1	3.70:1 (b)	6.50 (165.1 mm)
	Turbo Hydra-matic		4.11:1	4.11:1	3.70:1 (b)	

\* Air Conditioning available in same ratios as shown for 'BASE' only.

(a) High altitude (b) Highway performance

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSION

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION					AXLE RATIO
			1st	2nd	3rd	4th	Rev.	
85 & 97.6 Cu. In. (1.4 & 1.6 litre)	1-Barrel	4-Speed	13.87	7.99	5.11	3.70	14.13	3.70
			15.41	8.88	5.67	4.11	15.70	4.11

### WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
85 & 97.6 Cu. In. (1.4 & 1.6 litre)	Turbo Hydra-matic	Drive	26.47:1 - 4.11:1	4.11:1
		Low	26.47:1 - 11.26:1	
		Second	26.47:1 - 6.45:1	
		Reverse	19.98:1 - 8.51:1	

# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type		L4 In-Line OHC	
Piston Displacement	Cubic Inch	85	97.6
	Litres	1.4	1.6
Availability		Base - LX3	Optional - LY5
Number of Cylinders		Four	
Bore and Stroke	Inches	3.228 x 2.606	3.218 x 2.90
	Millimetres	82.0 x 66.2	82.0 x 75.7
Compression Ratio		8.5:1	
Taxable (SAE)	Horsepower	16.7	
	Kilowatts	12.5	
Firing Order		1-3-4-7	
Idling Speed	Manual (In Neutral)	800 RPM (1000 RPM in California)	
	Automatic (In Drive)	800 RPM (1000 RPM in California)	
Compression Press. @	Pounds/Square Inch	145	
Cranking Speed, Engine Hot	Kilopascals	1000	
Power Plant Mounting		Two front and one rear	
Measurements*	Length	23.26 inches - 590.86 millimetres	
	Height	25.97 inches - 659.74 millimetres	
	Width	17.66 inches - 448.50 millimetres	

\* Length - Fan to rear of engine block.

## ADVERTISED ENGINE RATING

Engine		Base - LX3	Optional - LY5
Net Brake - RPM	Horsepower	52 @ 5200	60 @ 4800
	Kilowatts	39 @ 5200	45 @ 5200
Net Torque @ RPM	Pound/Foot	70 @ 3600	82 @ 3400
	Newton/metre	95 @ 3600	111 @ 3400

## ENGINE SPEED AND PISTON TRAVEL

Engine		Base - LX3	Base - LX3 and Optional - LY5		
Transmission		4-Speed	4-Speed	Turbo Hydra-matic	
Rear Axle Ratio		3.70	4.11		
Tire Size		P55/80D13			
Crankshaft Revolutions per		Mile	3389.2	3764.8	
		Kilometre	2105.3	2338.6	
Crankshaft RPM @ 1 Mile per hour and 1 Kilometre per hour	Low	m/h	211.9	232.2	171.9
		km/h	81.8	90.8	66.4
	Second	m/h	122.0	135.5	98.5
		km/h	47.1	52.3	38.0
	Third	m/h	77.9	86.6	62.7
		km/h	30.1	33.4	24.2
	Fourth	m/h	56.5	62.7	
		km/h	21.8	24.2	
	Reverse	m/h	215.8	239.7	129.9
		km/h	83.3	92.5	50.1
	Piston Travel		Foot/Mile	1472.0	1819.6
			Millimetre/Kilometre	914.5	1161.6



# VEHICLE PERFORMANCE FACTORS

ENGINE	85 CU. IN. 1.4 LITRES 52 HP 39 kW		97.6 CU. IN. 1.6 LITRES 60 HP 45 kW
MODEL	1TJ08	1TB08	1TB08

## 4-SPEED TRANSMISSION

Performance	Weight – pounds	2513	2583	2585
	Mass – kilograms	1140	1171	1172
Pounds per net horsepower		48.32	49.67	43.08
Kilograms per net kilowatt		29.24	30.03	26.05
Pounds per cubic inch displacement		29.56	30.38	26.48
Kilograms per litre displacement		814.5	836.6	732.6
Net HP per cubic inch displacement		.612	.612	.615
Net kW per litre displacement		27.86	27.86	28.12
Power	Cubic foot/mile	83.36	92.59	106.32
	litre/kilometre	52.07	62.79	71.76
Displacement	Cubic foot/ton mile	66.37	71.78	82.42
	litre/tonne kilometre	41.42	48.68	55.62

## TURBO HYDRA-MATIC

Performance	Weight – pounds		2629	2631
	Mass – kilograms		1192	1193
Pounds per net horsepower			50.55	43.85
Kilograms per net kilowatt			30.51	26.51
Pounds per cubic inch displacement			30.93	27.00
Kilograms per litre displacement			851.43	745.6
Net HP per cubic inch displacement			.612	.615
Net kW per litre displacement			27.86	28.12
Power	Cubic foot/mile		92.59	106.32
	litre/kilometre		62.79	71.76
Displacement	Cubic foot/ton mile		47.93	80.54
	litre/tonne kilometre		70.68	54.36

## GLOSSARY

(Metric equivalent is bracketed)

Performance Weight (Mass)	Curb Weight (Mass) plus average weight of four passengers – 600 lbs. (272.2 kg)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi (Revs/km)} \times \text{Piston Displacement}}{2 \times 1728 \text{ cu. in. (2} \times 28.3 \text{ cu. litres)}}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Weight (tons) Mass (tonne)}}$

# PRINCIPAL COMPONENTS

## CYLINDER BLOCK

Material	Cast Iron
Bore Diameter	
Inches	3.500-3.520
Millimetres	88.9-89.4
Bore Spacing (C/L to C/L)	
Inches	3.6
Millimetres	93.0
Bearing Caps	5-cast iron 2-bolt attachment
Water Jackets	Full length around each cylinder

## CYLINDER HEAD

Material	High chrome cast alloy iron
Construction	Overhead camshaft - cross flow head - induction hardened exhaust valve seats.
Number of bolts	10
Bolt size	
Inches	.4330; 16 threads/inch
Millimetres	11.0; 16.5/mm

## COMBUSTION CHAMBER VOLUME

Total chamber volume of assembled engine with piston at top center	
Base - LY3	
Cubic Inches	2.87
Litres	.047
Optional - LY5	
Cubic Inches	3.23
Litres	.052

## INLET MANIFOLD

Material	Aluminum
Type	4 branch, water heated

## EXHAUST MANIFOLD

Material	Cast nodular iron
Type	Single exhaust pipe takedown
Outlet Diameter	
Inches	2.20
Millimetres	56.0

## CRANKSHAFT

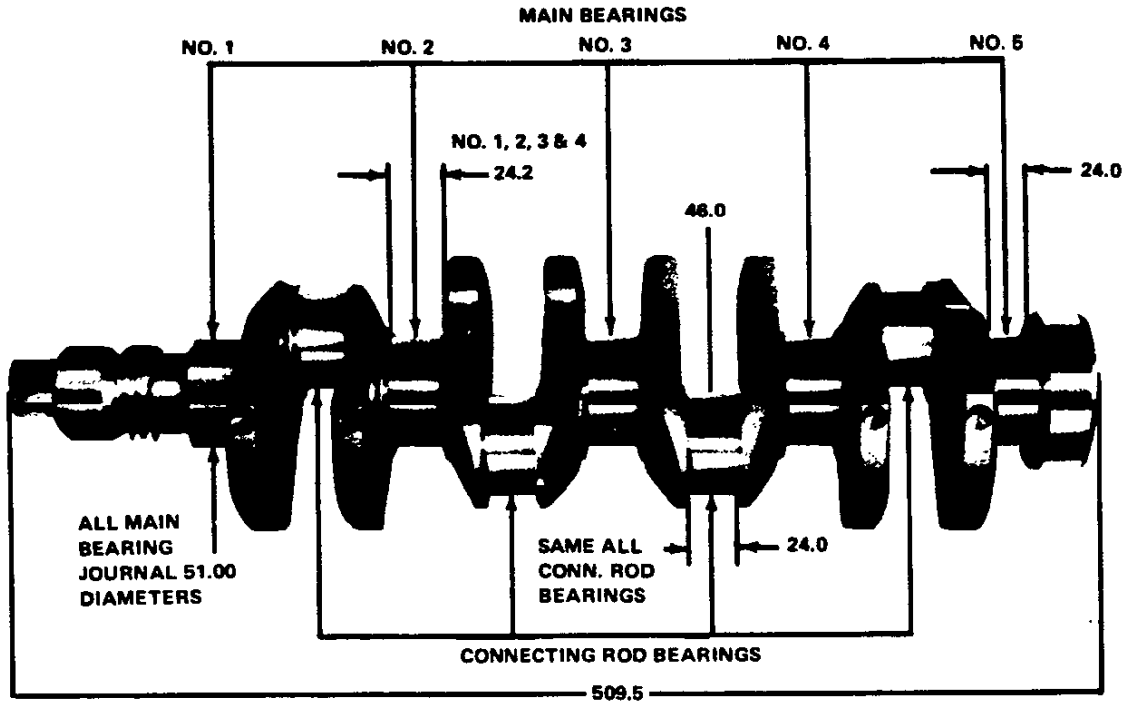
Material	Cast nodular iron
Counter Weights	
Base - LX3	8
Optional - LY5	4
Crankarm Length	
Base - LX3	
Inches	1.30
Millimetres	33.1
Optional - LY5	
Inches	1.49
Millimetres	37.8
Thrust against bearing No. 5	
End play	
Inches	.004-.008
Millimetres	0.101-0.203
Drive Gear	
Material	Sintered iron sprocket
Pitch Diameter	
Inches	2.206
Millimetres	56.025
Width	
Inches	.822-.830
Millimetres	20.9-21.1
No. of teeth	22

## MAIN BEARINGS

Material	Steel backed insert; copper lead alloy lining
Type	Precision removable
Clearance	
Inches	.0003-.0029
Millimetres	.0076-.0736
Theoretical Inner Diameter	
Inches	2.0226
Millimetres	51.373
Effective Length	
No. 1, 2, 3 & 4	
Inches	.732
Millimetres	18.605
No. 5	
Inches	.572
Millimetres	14.529

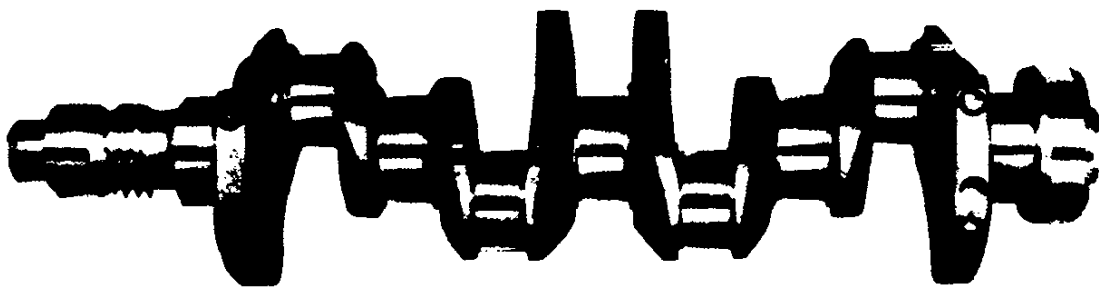
# PRINCIPAL COMPONENTS

## CRANKSHAFT AND BEARINGS – BASE (LX3)



## CRANKSHAFT AND BEARINGS – OPTIONAL (LY5)

(All bearing dimensions same as LX3 Crankshaft)



NOTE: Dimensions are shown in millimeters.

# PRINCIPAL COMPONENTS

## CAMSHAFT

Location	In cylinder head
Type of drive	Fiberglass reinforced rubber timing belt with cast iron drive sprockets
<b>Sprocket</b>	
Diameter	
Inches	4.357
Millimetres	110.67
Width	
Inches	.807
Millimetres	20.5
Number of teeth	44
<b>Timing belt</b>	
Width	
Inches	.567-.637
Millimetres	14.4-15.6
Number of teeth	117
Pitch	
Inches	.315
Millimetres	8.0

## VALVE TRAIN

Type	Direct action, cam lobes drive tappets
Valve Tappets	Hydraulic valve lash adjuster
<b>Lobe Lift</b>	
Inches	.2320 Inlet & Exhaust
Millimetres	5.893 Inlet & Exhaust
<b>Valve Lift</b>	
Inches	.3712 Inlet & Exhaust
Millimetres	9.429 Inlet & Exhaust

## VALVE SPRINGS

Type	Single spring with no damper
<b>Diameter (I.D.)</b>	
Inches	.984
Millimetres	25.0
<b>Free length</b>	
Inches	1.505
Millimetres	38.23
<b>Installed length</b>	
<b>Valves closed</b>	
Pounds @ inches	64-72 @ 1.26
Newtons @ millimetres	284.0-320.0 @ 32.0
<b>Valves opened</b>	
Pounds @ inches	167-179 @ .886
Newtons @ millimetres	743.0-797.0 @ 22.5

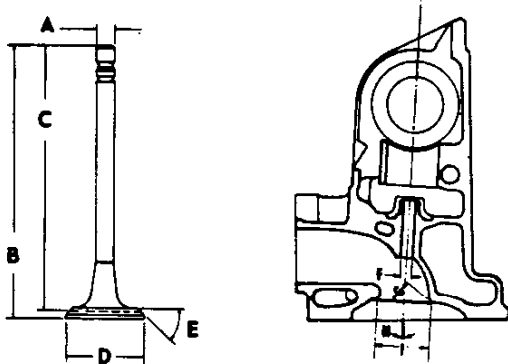
## VALVE TIMING (Crankshaft Degrees - Excluding Ramps)

<b>Inlet Valve (opens with .015 lash)</b>	
Opens - BTC	32°
Close - ABC	72°
Duration	284°
<b>Exhaust Valve (opens with .030 lash)</b>	
Opens - BBC	74°
Close - ATC	30°
Duration	284°

# PRINCIPAL COMPONENTS

## VALVES - INLET

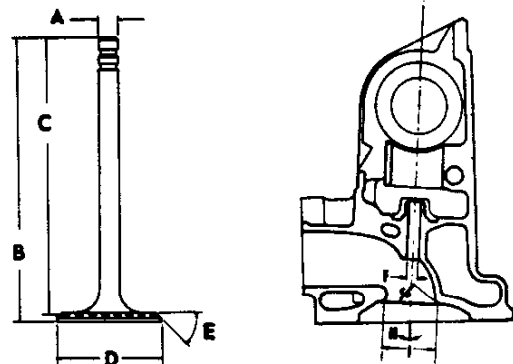
Material ..... High alloy steel  
 Coating ..... Aluminized head and seats  
 Stems ..... Chrome flash



<b>Stem Diameter</b>	
Inches	..... .3138-.3144
Millimetres	..... 7.972-7.985
<b>Overall Length</b>	
Inches	..... 3.868-3.888
Millimetres	..... 98.245-98.755
<b>Gage Length</b>	
Inches	..... 3.794-3.804
Millimetres	..... 96.375-96.625
<b>Overall Head Diameter</b>	
Inches	..... 1.5303-1.5405
Millimetres	..... 38.87-39.13
Angle of Face	..... 45°
<b>Guide Diameter</b>	
Inches	..... .3156-.3159
Millimetres	..... 8.016-8.024
Angle of Seat	..... 46°
Valve Angle	..... 9°
<b>Valve Seat Diameter</b>	
Inches	..... 1.772
Millimetres	..... 45.0

## VALVE - EXHAUST

Material ..... High alloy steel with stellite seat  
 Stems ..... Chrome flash



<b>Stem Diameter</b>	
Inches	..... .3130-.3136
Millimetres	..... 7.952-7.965
<b>Overall Length</b>	
Inches	..... 3.886-3.906
Millimetres	..... 98.695-99.205
<b>Gage Length</b>	
Inches	..... 3.794-3.804
Millimetres	..... 96.375-96.625
<b>Overall Head Diameter</b>	
Inches	..... 1.2547-1.2650
Millimetres	..... 31.87-32.13
Angle of Face	..... 45°
<b>Guide Diameter</b>	
Inches	..... .3156-.3159
Millimetres	..... 8.016-8.024
Angle of Seat	..... 46°
Valve Angle	..... 9°
<b>Valve Seat Diameter</b>	
Inches	..... 1.457
Millimetres	..... 37.0

# PRINCIPAL COMPONENTS

## PISTONS

Material	Cast aluminum alloy
Head Type	
Base - LX3	Flat
Optional - LY5	Sump
Skirt	Iron plated open skirt
Top land clearance	
Inches	.0256-.0350
Millimetres	0.65-0.89
Skirt clearance	
Inches	.0008-.0016
Millimetres	.020-.040
Compression ring groove depth	
Inches	.1641-.1735
Millimetres	4.167-4.407
Oil ring groove depth	
Inches	.1975-.2070
Millimetres	5.017-5.257
Pin bore offset	
Inches	0.031
Millimetres	0.80
Compression height	
Inches	1.50
Millimetres	38.0

## PISTON PINS

Material	Chromium steel
Pin mounting	Locked in rod by shrink fit
Length	
Inches	2.7440-2.767
Millimetres	69.7-70.3
Diameter	
Inches	.1975-.2070
Millimetres	5.017-5.257
Clearance in piston	
Inches	.00012-.00027
Millimetres	.003-.007

## CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
Inches	4.803
Millimetres	122.0

## CONNECTING ROD BEARINGS

Material	Steel backed with copper lead alloy lining
Type	Precision removable
Clearance	
Inches	.013-.060
Millimetres	0.0330-1.524

## CONNECTING ROD BEARINGS (Continued)

Theoretical diameter	
Inches	1.812
Millimetres	46.014
Effective length	
Inches	.818
Millimetres	20.779
End play	
Inches	.004-.012
Millimetres	.110-.316

## COMPRESSION RINGS - UPPER

Material	Nodular iron
Type	Inside bevel, barrel face
Coating	Chrome plated
Width	
Inches	.0765-.0775
Millimetres	1.943-1.969
Wall thickness	
Inches	.137-.146
Millimetres	3.48-3.72
Gap	
Inches	.009-.019
Millimetres	0.23-0.48

## COMPRESSION RINGS - LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 50 degrees to piston vertical axis)
Coating	Wear resistant
Width	
Inches	.0771-.0781
Millimetres	1.959-1.984
Wall thickness	
Inches	.137-.146
Millimetres	3.48-3.72
Gap	
Inches	.009-.019
Millimetres	0.23-0.48

## OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Stainless steel
Rail coating	Chrome plated
Width (assembled)	
Inches	.1566-.1586
Millimetres	3.98-4.03
Gap	
Inches	.015-.055
Millimetres	0.38-1.40

# FUEL AND EXHAUST SYSTEM

## FUEL SYSTEM

### FUEL TANK

Capacity - approximately . . . . . 13 gals. (49.2 litres)  
 Location . . . . . Under compartment load floor  
 Filler Location . . . . . Left rear quarter

### FUEL FILTERS - DUAL

In fuel tank . . . . . Mesh strainer  
 In carburetor inlet . . . . . Paper element

### FUEL PUMP

Type . . . . . Mechanical  
 Location . . . . . Lower right front of engine  
 Pressure Range  
 Pounds/square inch . . . . . 5.00-6.50  
 Kilopascals . . . . . 34.5-44.8

### CHOKE

Type . . . . . Automatic

### AIR CLEANER

Type . . . . . Cylindrical with air snorkel  
 attached to ducted air inlet  
 Filter element . . . . . Oil-wetted paper

### CARBURETORS

Base - LX3 . . . . . Single barrel; Mono-jet  
 Optional - LY5 . . . . . Single barrel; Mono-jet  
 SAE Flange Size  
 Inches . . . . . 1.25  
 Millimetres . . . . . 31.75  
 Throttle bore  
 Inches . . . . . 1.38  
 Millimetres . . . . . 35.05  
 Venturi Diameter  
 Base - LX3  
 Inches . . . . . 1.157  
 Millimetres . . . . . 29.39  
 Optional - LY5  
 Inches . . . . . 1.218  
 Millimetres . . . . . 30.94

## EXHAUST SYSTEM

TYPE . . . . . Single exhaust with converter  
 and separate resonator with optional - LY5

### MUFFLERS

Type . . . . . Oval, reverse flow  
 Construction . . . . . Heads and body joined  
 by rolled lock seam construction

	Dimensions	
	In.	mm
Head-aluminized steel . . . . .	.056	1.42
Shell-aluminized steel . . . . .	.031	0.79
Wrap-asbestos sheet . . . . .	.032	0.80
Cover-aluminized steel . . . . .	.017	0.43
Length-body . . . . .	13.0	330.0
Height-I.D. . . . .	4.0	101.5
Width-I.D. . . . .	7.75	197.0

### RESONATOR - (LY5)

Type . . . . . Bottle type  
 Material . . . . . aluminized steel

### EXHAUST PIPE TO CONVERTER

Material . . . . . Aluminized steel tubing  
 Dimension (O.D. wall thickness)  
 Inches . . . . . 1.75 x .071  
 Millimetres . . . . . 44.45 x 1.80

### EXHAUST PIPE - CONVERTER TO MUFFLER

Dimension (O.D. wall thickness)  
 Inches . . . . . 2.00 x .072  
 Millimetres . . . . . 50.8 x 1.83

### PIPE MUFFLER TO RESONATOR (LY5)

Dimension (O.D. wall thickness)  
 Inches . . . . . 1.75 x .072  
 Millimetres . . . . . 44.45 x 1.06

### TAIL PIPE

Type . . . . . Single  
 Material . . . . . Aluminized steel tubing  
 Dimensions (O.D. x wall thickness)  
 Inches . . . . . 1.75 x .072  
 Millimetres . . . . . 44.45 x 1.83

# EMISSION CONTROL EQUIPMENT

## SYSTEM APPLICATION

System Type	Engine Adaptation	
	Base - LX3	Optional - LYS
PCV - Positive Crankcase Ventilation	***	***
EGR - Exhaust Gas Recirculation	***	***
CHA - Carburetor Hot Air	***	***
FEC - Fuel Evaporation Control System	***	***
CCS - Controlled Combustion System	*	*
MAI - Manifold Air Injection	**	**
UFC - Underfloor Converter	***	***
PMD - Power Mode Divert	**	**

\*-Not available in California.

\*\* -California only.

\*\*\*-Available - all states.

## BASIC FUNCTION OF SYSTEMS

### POSITIVE CRANKCASE VENTILATION

Withdraws oil and gas vapors from the various cavities throughout the engine for burning in the combustion cycle.

### EXHAUST GAS RECIRCULATION SYSTEM

Meters exhaust gas into induction system for recirculation throughout the combustion cycle to reduce oxides of nitrogen emissions.

### CARBURETOR HOT AIR

Meters and mixes heated air with incoming cold air to optimize fuel evaporation.

### MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to the exhaust manifold to more completely burn carbon monoxide and hydrocarbon emissions.

### FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapors to the atmosphere by means of an integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank to storage, and finally, to the carburetor for utilization in running the engine.

### CONTROLLED COMBUSTION SYSTEM

Increased combustion efficiency through leaner carburetor mixtures and revised distributor calibration. Special thermostatically controlled damper, in the air cleaner market maintains warm air intake to carburetor.

### UNDERFLOOR CONVERTER

The flow of exhaust gases down through the catalyst with the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

### PMD (POWER MODE DIVERTER)

The PMD is a device in the MAI system that diverts pump air to atmosphere. Divertor action is controlled by engine vacuum in such a manner as to conserve engine power at high throttle settings (used on 1.4 and 1.6 litre engine in California only).



# LUBRICATION AND COOLING SYSTEM

## LUBRICATION SYSTEM

### GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Piston Pins	Splash
Cylinder walls	Splash
Camshaft bearings	Pressure
Tappets	Pressure
Connecting Rods	Pressure
Oil pressure sending unit	Electric
Oil Filler	
Cap	Positive Seal
Location	Right hand center at rocker cover

### OIL PUMP

Type	Gear driven by distributor shaft outside gear;
Regular Valve (opens between)	
Pounds	40-45
Newtons	177.92-200.16
Oil Pressure @ 2000 Engine RPM	
Pounds/square inch	39-46
Kilopascals	268.9-317.2

## COOLING SYSTEM

### GENERAL

Type	Pressure, vented thru coolant recovery system
Capacity	
LX3	8.5 quarts (8.04 litres)
LY5	9.0 quarts (8.49 litres)

### RADIATOR

Type	Tube and center; cross flow
Distance between fins	
LX3 with manual trans.	.14 in. (3.6 mm)
LX3 with automatic trans.	.16 in. (4.1 mm)
LY5 manual and auto.	.16 in. (4.1 mm)
Distance between tubes	.55 in. (14.0 mm)
Thickness of core	1.24 in. (31.5 mm)
Frontal area	
LX3 manual trans.	144 in. <sup>2</sup> (0.093 m <sup>2</sup> )
LX3 auto. trans.	177 in. <sup>2</sup> (0.114 m <sup>2</sup> )
LY5 manual and auto.	177 in. <sup>2</sup> (0.114 m <sup>2</sup> )
Radiator cap relief valve	Opens at approximately 15 PSI (103.4 kPa)

### THERMOSTAT

Type	Pellet
Begins to open	190°
Fully opened	227°

### OIL FILTER

Type	Full flow throwaway type
Location	Lower front-left side
Capacity	0.3 quarts (0.28 litres)
By pass valve	Opens between 9 to 11 PSI (62.05-75.84 kPa) drop in pressure

### LUBRICANT GRADES AND TEMPERATURES

20°F and above (-6.6°C and above)	10W30, 10W40, 20W-20, 20W-40, 20W-50
0° to 60°F (-17.7° to 15.5° C)	10W, 5W-30, 10W-30, 10W-40
Below 20°F (below -6.6°C)	5W-20, 5W-30

### OIL PAN

Capacity	
Refill	4 Quarts (3.79 litres)
Refill with filter change	4 Quarts (3.79 litres)
Type of drain plug	Hex head
Drain plug location	Right side bottom rear of pan

### RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump)	
Type	One, molded
Inlet, Upper (Thermostat Housing)	
Type	One, molded

### FAN

Number of Blades	5, staggered
Material	Plastic
Diameter	13.38 in. (340.0 mm)

### WATER PUMP

Type	Centrifugal, die cast aluminum housing
Capacity @ 2000 Engine RPM	
Gallons per minute	12.6
Litres per minute	47.7
Drive	Fan belt

### DRAIN LOCATIONS

Engine block	Plug; right rear of block
Radiator-Petcock	Lower, right bottom face

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

Type ..... Sealed side terminal  
 Number of cells and plates ..... 6 and 48  
 Voltage rating and watts ..... 12 and 2500  
 Cold cranking rating ..... 0°F (-18°C) @ 275 amps;  
 -10°F (-23°C) @ 210 amps @ 60 minutes  
 reserve capacity  
 Terminal Grounded ..... Negative  
 Location ..... Right hand front side of  
 engine compartment

## GENERATOR

Type ..... Diode rectified with integral regulator  
 Rating  
 Amps ..... 32  
 Volts ..... 12  
 Drive ..... By fan belt  
 Pulley Pitch Diameter ..... 2.43 in. (61.7 mm)  
 Ratio (Gen to Engine Speed) ..... 2.73:1

## REGULATOR

Type ..... Micro-circuit unit, integral with generator  
 Voltage Regulator  
 Voltage ..... 13.8-14.8 @ 85°F (29.4°C)

## IGNITION SYSTEM

DISTRIBUTORS ..... Refer to chart below

## STARTING SYSTEM

### STARTING MOTOR

Rotation (Drive End View) ..... Clockwise  
 Test Conditions ..... Engine at operating temperature  
 No Load Test  
 Amps ..... 58-80  
 Volts ..... 10.6  
 RPM ..... 6750-10500  
 Motor Drive  
 Engagement ..... Solenoid  
 Pinion Meshes at ..... Rear  
 Pinion Tooth No. .... 9  
 Flywheel Tooth No. .... 153  
 Mounting ..... Bolted to clutch housing

## COIL

Type ..... Integral with distributor  
 Amperes Drawn  
 Engine Stopped ..... .25  
 Engine Idling ..... 1.5

## SPARK PLUGS

Make & Type ..... ACR43TS  
 Thread Size (mm) ..... 14  
 Gap ..... .035 in. (0.889 mm)  
 Torque ..... 7-15 lb. ft. (9-20 Nm)

CABLE ..... Fiberglass core impregnated  
 with electrical conducting material and  
 insulation of rubber

DISTRIBUTORS	1.4 Litre (LX3)		1.6 Litre (LY5)		
	Manual Transmission	Automatic Transmission	Manual Transmission	Automatic Transmission	
Model	1110658	1110655*	1110654	1110657	1110659
Type	High Energy Ignition				
Centrifugal Advance Begins (RPM)	0° @ 1200	0° @ 1200	0° @ 1200	0° @ 1200	0° @ 1500
Max Degrees @ RPM	20° @ 4800	20° @ 4800	20° @ 4800	20° @ 4800	16° @ 4800
Vacuum Advance Begins (In. Hg)	0° @ 5	0° @ 5	0° @ 4	0° @ 5	0° @ 4
Max Degrees @ In. Hg	25° @ 14.5	12° @ 12	14° @ 85	24° @ 12	26° @ 12
Timing (Initial Design Setting) Crankshaft Degrees @ RPM (with vacuum spark line disconnected)	10° BTC @ 800	10° BTC @ 1000	10° BTC @ 800 10° BTC @ 850*	8° BTC @ 800 8° BTC @ 1000*	10° BTC @ 800 10° BTC @ 850*
Timing Mark Location	Crankshaft Pulley				

\* - Specific to California only.

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine		1.4 and 1.6 litre	
Clutch for		4-Speed	
Type		Single dry disc centrifugal	
Clutch cover & pressure plate	Eff. plate load	880 lbs. (399.2 kg)	
	Press. plate matl.	Cast alloy iron	
	Clutch spring type	Diaphragm, bent finger design	
	Clutch spring matl.	Heat treated spring steel	
Driven plate	Type	Single disc with two friction surfaces	
	Cushions	Flat spring steel between friction rings	
	Dampers	4 coil springs	
	Friction rings	OD	7.067 in. (180.01 mm)
		ID	5.157 in. (130.99 mm)
		Total area	36.548 in. <sup>2</sup> (0.024 m <sup>2</sup> )
Material		Woven type asbestos	
Flywheel	Flywheel Material	Nodular iron	
	Ring gear	Material	Heat treated HR steel
		No. of teeth	142
		PD	11.83 in. (300.57 mm)
		Attachment	Shrink fit
Bearings	Release	Type	Single row ball
		Lubrication	None, prepacked
	Pilot	Type	Bronze bushing
		Lubrication	None, sintered and oil impregnated
Controls	Clutch fork	Drop forged steel, pivot mounted on ball	
	Pedal mounting	Pendant, from brace on dash	
	Lubrication	Crossover shaft	
Clutch housing material		Aluminum alloy	

## 4-SPEED TRANSMISSION

Transmission Type		4-Speed		
Case material		Aluminum		
Gear Shift	Type	Remote		
	Control	Lever		
	Location	Floor, mounted		
Gears	Type	Helical		
	Material	Forged steel, hardened		
	Synchronization	All forward gears		
	Constant mesh gear	All forward gears		
	Sliding gears	Reverse		
		Ratios	First	3.75
			Second	2.16
			Third	1.38
			Fourth	1.00
Reverse			3.82	
Lubricant	Type	Meeting Military Specifications MIL-L-2105-B		
	Capacity	3 pints (1.7 litres)		
Extension	Material	Aluminum		
	Oil Seal	Steel encased seal of spring loaded silicone		

# TRANSMISSIONS

## TURBO HYDRA-MATIC TRANSMISSION

General Data	Type		Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.
	Selector lever	Location	Floor tunnel
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump
		Quadrant pattern	P-R-N-D-L-2-L-1
	Parking Lock	Type	Locking pawl
		Operation	Applied by selector lever through manual linkage
	Method of cooling		Water
Flywheel assembly		Steel stamping with welded on ring gear	
Hydraulic System	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump
	Type		Steel spool valve
	Valves	Manual	Establishes range at transmission operation
		Pressure regulator	Provides main line pressure
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2
	Pressure modulated by mechanical throttle linkage		Regulates line pressure with modulator oil pressure which varies with torque to transmission
	Accumulator		Provides greater flexibility in attaining desired shift quality for various engine requirements
	Pressure @ Idle (b)	Drive	40-60
		L2	85-105
L1		85-105	
Reverse		90-110	
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing
	Turbine (Driven member)		Steel axial flow blades assembled between inner & outer steel shells
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch
	Stall ratio		2.35
	Stall speed (RPM)		2350
	Diameter (nominal)		9.00 (228.6 mm)
Planetary Gear Set	Reaction carrier assembly		2 steel pinion gears
	Output carrier assembly		2 steel pinion gears
	Intermediate band		Circular steel with organic lining
	Range	D (Drive)	2.74:1 - 1.57:1 - 1.00:1
		L2 (Low two)	2.74:1 - 1.57:1
		L1 (Low one)	2.74:1
		R (Reverse)	2.07:1
Servo Unit		Piston with release spring and inner cushion spring	
Case	Material		Aluminum
Clutches	Type		Three, multiple disk
	Material	Drive plates	Steel with bonded organic facings
		Driven plates	Flat steel
	Forward clutch		3 each drive & driven plates
	Direct clutch		3 each drive & driven plates
	Low & Reverse clutch		4 each drive & 3 driven plates
Release spring		Radial row steel coil	
Torque Multiplication	Drive (maximum)		6.44:1 to 1.00
	Low 2		6.44:1 to 2.74
	Low 1		6.44:1 to 1.57
	Reverse		4.86:1 to 2.07
Governor	Type		Cross-axis centrifugal
	Operation		Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves
Lubricant	Type		Dexron II
	Capacity	Dry	13 pints (7.39 litres)
		Refill	7 pints (3.98 litres)

(a) Floor mounted automatic mini-console available as an option.

(b) Conditions 600 RPM input

