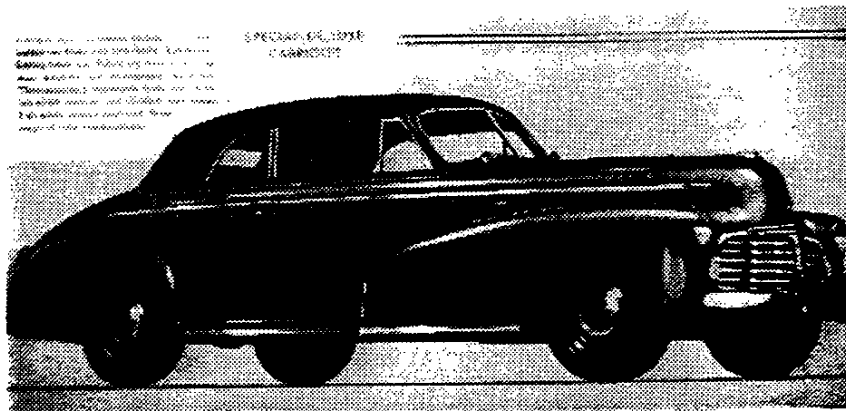


CHEVROLET



1942 Chevrolet. Special Deluxe, Fleetmaster cabriolet, HAC

1942



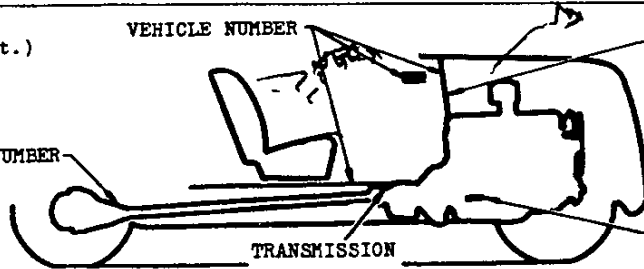
SERIAL NUMBERS

SERIAL NUMBER LOCATIONS
(See descriptions in chart.)

VEHICLE NUMBER

FISHER BODY NUMBER
Stamped on plate
on right side of
front of dash.

REAR AXLE NUMBER



ENGINE NUMBER

NOTE: Serial numbers
were obtained from
Standards Department.

UNITS	PASSENGER AND COMMERCIAL CARS		LIGHT COMMERCIAL TRUCKS					ONE TON TRUCK	CONV. HEAVY DUTY TRUCKS	SCHOOL BUS CHASSIS	CAB-OVER-ENGINE HEAVY DUTY TRUCKS			
	STYLE-MASTER	FLEET-MASTER	DUBL-DUTI	LIGHT-DELIV-ERY	3/4 TON-REG-ULAR	3/4 TON-WITH HDE	3/4 TON-SPEC	134-1/2	160	195	109	132-1/2	158	
	BG	BH	BJ	BK	BL	EM	BN	MR	MS	MY	MT	MU	MV	MW
VEHICLE	Prefix	Includes symbols for assembly plant, model year, month assembled and vehicle number. Example: 1BG05-2322. The first figure indicates assembly plant (1 Flint, Mich., 2 Tarrytown, N.Y., 3 St.Louis, Mo., 5 Kansas City, Mo., 6 Oakland, Cal., 8 Atlanta, Ga., 9 Norwood, O., 12 Buffalo, N.Y., 14 Baltimore, Md., 21 Janesville, Wis.). The letters indicate the model, the second two figures, the month. The end figures start at 1001 at each assembly plant and continue in numerical sequence.												
	Location	Stamped on plate before right front seat on floor.	Stamped on plate on head-er panel	Stamped on plate on right side of cowl under hood.					Stamped on plate on rear of dash.					
BODY Number Location		See sketch	On inst. panel											
REAR AXLE	Detroit	Regular	2AGorBG	2AE orBE	2AK orBK	2AL orBL	2AM orEM	2AN orBN	2ARorBR (6.17:1)					
		RPO	2AHorEH						2ATorBT (5.43:1)*, 2ABorBV (2-speed)* BC (6.17:1 single speed heavy duty)@					
	Tona-wanda	Regular	2AJ						2ASorBS (6.17:1)					
	RPO	2AF						2AW (5.43:1)						
Number		Includes prefix letters and calendar day of production. Examples: 2AG-107, BG-107.												
Location		Stamped on front upper sur-face of differential carrier.					Stamped on differential carrier. Conventional axles, on upper surface of horizontal rib. 2-speed axle, on top just ahead of shift lever.							
E P N r G e I f N i E x	Flint	Regular	2AA or BA	2AM orEM	2AD orBD	2AAF or AEF		2AF or BF			2AJ or BJ			
		Reg.(Heavy Duty clutch)	2AY or EY			2BAF orBEF								
		RPO							2AG or BG			2AL or BL		
	Tona-wanda	Regular	2AC			2AE	2AAN		2AN					
Number		Numbers start at 1001 at each plant shown and continue in numerical sequence.												
Location		Stamped on crankcase on right hand side of engine to rear of distributor.												
TRANS- MISSION	Num-ber	Toledo						9210635						
		Saginaw	1226730											
		Muncie	3633342		6215327			7213479						
	Location		Starting numbers listed above. Each group continues in numerical sequence.											
Location		Stamped on case at front edge of cover	Stamped on case. 3-speed, at rear edge of cover. 4-speed, on rear left side.		Stamped on rear left side of case.									

* - Not available for School Buses or Pickup trucks. @ - Not available for 160 WB School Bus or Pickup trucks.



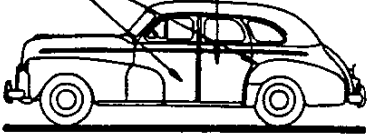
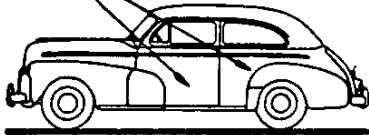
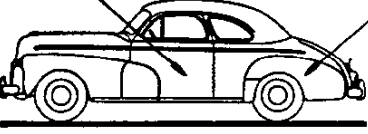
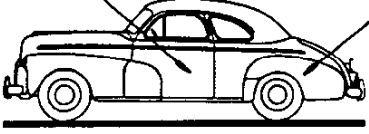

BASIC MODELS						
VEHICLE TYPE	MODEL NAME	NOMINAL RATING	WHEELBASE		SERIES SYMBOL	
			ACTUAL	NOMINAL		
Passenger and commercial cars	Stylemaster		116		1500	
	Fleetmaster (includes Fleetline)		116		2000	
Light commercial trucks	Dubl-Duti Package Delivery*	1/2 ton	115		3000	
	Light Delivery		115			
	3/4 Ton	3/4 ton	125-1/4			
	3/4 Ton with Heavy Duty Equipment*		125-1/4			
One ton truck	One Ton*	1 ton	134-1/2		4000	
Conventional heavy duty trucks	Conventional Heavy Duty	1-1/2 ton	160			
		30 to 36 pupils	195-1/8	195		
School bus chassis	School Bus	42 to 48 pupils	109-1/8	109	5000	
Cab-over-engine heavy duty trucks	Cab-Over-Engine	1-1/2 ton	132-5/8	132-1/2		
			158-1/8	158		

* - These models are Regular Production Options. They are considered models by the Sales Department but are not listed as basic models in the records of the Engineering Department.

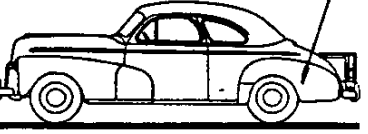
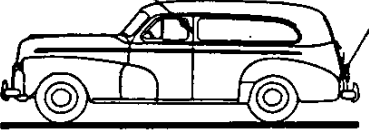
CHASSIS AND BODY TYPES														
TYPE		PASSENGER AND COMMERCIAL CARS		LIGHT COMMERCIAL TRUCKS					ONE TON TRUCK	CONV. HEAVY DUTY TRUCKS	SCHOOL BUS CHASSIS	CAB-OVER-ENGINE HEAVY DUTY TRUCKS		
				DUBL-DUTI	LIGHT DELIV-ERY	3/4 TON REG-ULAR	3/4T WITH HDE	SPEC. TRUCK				134-1/2	160	195
		STYLE-MASTER	FLEET-MASTER											
Sedan	Fleetline		X											
	Sportmaster		X											
	Sport	X	X											
	Town	X	X											
Coupe	Fleetline Aerosedan		X											
	Five-Pass.	X	X											
	Business	X	X											
8 Pass. body	Cabriolet		X											
	Station Wagon		X											
Panel	C. Suburban				X									
	Sedan Del.	X												
Canopy Express	Package Del.				X									
						X	X	X	X					
Pickup	Canopy Express				X									
	Coupe	X												
Stake	Cab type				X	X	X		X	X				
	High Rack									X			X	
C	Stripped, F/F cowl				X	X	X		X	X				
	Stripped, cowl & W/S				X	X	X		X	X				
a	Flat face cowl				X	X	X		X	X	X	X		
	Cowl and windshield	X	X		X	X	X		X	X	X		X	X
s	With cab				X	X	X		X	X	X		X	X
	Cab and platform					X	X		X	X	X		X	X
f	Cab & express plat.								X				X	



VEHICLE TYPES—STYLEMASTER PASSENGER CARS—116 WHEELBASE

<p align="center">SPORT SEDAN</p> <p>5-pass., 4-door, 7-window sedan with built-in trunk.</p> <p>Taxicab seat springs (RPO) Right hand rear door lock remote control (RPO)</p>  <p align="center">Mfg. symbols: 1503, CSED</p>	<p align="center">TOWN SEDAN</p> <p>5-pass., 2-door, 5-window coach with built-in trunk.</p> <p>Taxicab seat springs (RPO)</p>  <p align="center">Mfg. symbols: 1502, TSED</p>
<p align="center">COUPE 4 (FIVE-PASSENGER COUPE)</p> <p>5-passenger, 2-door, 5-window coupe with front and rear seats in passenger compartment and luggage compartment in rear.</p> <p>Taxicab seat springs (RPO) Sedan 8-leaf rear springs (with 18" wheels) (RPO)</p>  <p align="center">Mfg. symbols: 1524, CPE4</p>	<p align="center">COUPE 2 (BUSINESS COUPE)</p> <p>2-passenger, 2-door, 5-window coupe with luggage compartments in passenger compartment and in rear.</p> <p>Taxicab seat springs (RPO) Sedan 8-leaf rear springs (with 18" wheels) (RPO)</p>  <p align="center">Mfg. symbols: 1504, CPE2</p>
<p align="center">CHASSIS WITH COWL AND WINDSHIELD</p> <p>For bodies other than Chevrolet.</p>  <p align="center">Mfg. symbols: 1501, PCH</p>	<p>RPO EQUIPMENT: Sedan Delivery rear springs (with reg. 16" wheels), 3.73:1 rear axle (with reg. 16" wheels), 3.73:1 and 4.11:1 rear axles with carburized gears, economy engine, 16-1/4" fan (with 3.73:1 rear axle and 16" wheels), governor, low crown (truck) air cleaner, oil bath air cleaner, oil filter, 10-3/4" (truck) clutch, 6.00-16-6 ply tires on reg. wheels, 6.50-16-6 ply tires on 16x4.50E wheels, 5.50-18-4 ply tires on 18" wheels.</p>

VEHICLE TYPES—STYLEMASTER COMMERCIAL CARS—116 WHEELBASE

<p align="center">COUPE 2 WITH PICKUP BOX (COUPE PICKUP)</p> <p>NOTE: Regular Coupe rear deck door is furnished as a separate part so that Coupe Pickup may be converted into a Business Coupe.</p> <p>Sedan Delivery rear springs (with regular 16" wheels) (RPO)</p>  <p align="center">Mfg. symbols: 1514, CPEB</p>	<p align="center">SEDAN DELIVERY</p> <p>2-passenger, 3-door panel delivery</p> <p>Load space partition screen, rear window screen, ladder support, and full-width slatted shelf (RPO) Side mounted tail and stop lamps (RPO)</p>  <p align="center">Mfg. symbols: 1508, SDL</p>
<p>RPO EQUIPMENT: 3.73:1 rear axle (with reg. 16" wheels), 3.73:1 and 4.11:1 rear axles with carburized gears, economy engine, 16-1/4" fan (with 3.73:1 rear axle and 16" wheels), governor, low crown (truck) air cleaner, oil bath air cleaner, oil filter, 10-3/4" (truck) clutch, 6.00-16-6 ply tires on reg. wheels, 6.50-16-6 ply tires on 16x4.50E wheels, 5.50-18-4 ply tires on 18" wheels.</p>	

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VEHICLE TYPES—FLEETMASTER PASSENGER CARS—116 WHEELBASE

SPORT SEDAN

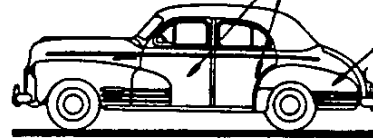
5-pass., 4-door, 7-window sedan with built-in trunk.
 SDL rear springs with reg. 16" wheels (RPO) →
 RH rear door lock remote control (RPO) →
 Taxicab seat springs (RPO) →
 2-tone cord upholstery (RPO) →



Mfg. symbols: 2103, CSED

FLEETLINE SPORTMASTER

5-pass., 4-door, 5-window sedan with built-in trunk.
 SDL rear springs with reg. 16" wheels (RPO) →
 Taxicab seat springs (RPO) →



Mfg. symbols: 2113, TRSD

TOWN SEDAN

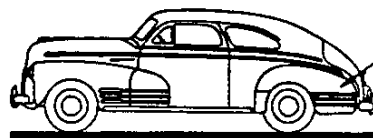
5-pass., 2-door, 5-window coach with built-in trunk.
 SDL rear springs with reg. 16" wheels (RPO) →
 2-tone cord upholstery (RPO) →
 Taxicab seat springs (RPO) →



Mfg. symbols: 2102, TSED

FLEETLINE AEROSSEDAN

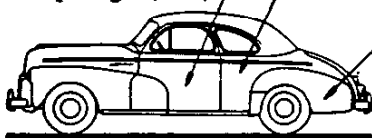
5-passenger, 2-door, 5-window plain-back coach; luggage compartment in rear.
 SDL rear springs with reg. 16" wheels (RPO) →



Mfg. symbols: 2144, TCP4

COUPE 4 (FIVE PASSENGER COUPE)

5-passenger, 2-door, 5-window coupe with front and rear seats in passenger compartment and luggage compartment in rear.
 Rear springs: SDL with reg. 16" wheels or Sedan 8-leaf with RPO 18" wheels (RPO) →
 2-tone cord upholstery (RPO) →
 Taxicab seat springs (RPO) →



Mfg. symbols: 2124, CPE4

COUPE 2 (BUSINESS COUPE)

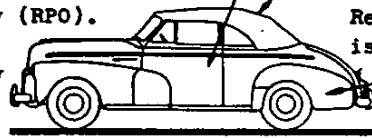
2-passenger, 2-door, 5-window coupe with luggage compartments in passenger compartment and in rear.
 Rear springs: SDL with reg. 16" wheels or Sedan 8-leaf with RPO 18" wheels (RPO) →
 2-tone cord upholstery (RPO) →
 Taxicab seat springs (RPO) →



Mfg. symbols: 2104, CPE2

CABRIOLET

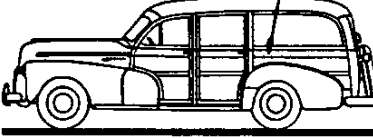
5-passenger, 2-door, 5-window, folding top coupe with front and rear seats in passenger compartment and luggage compartment in rear.
 Rear springs: SDL with reg. 16" wheels or Sedan 8-leaf with RPO 18" wheels (RPO) →
 Tan, blue or green leather upholstery (RPO). →
 Regular upholstery is red. →
 Black top (RPO). →
 Regular top is tan. →



Mfg. symbols: 2134, CEL

STATION WAGON

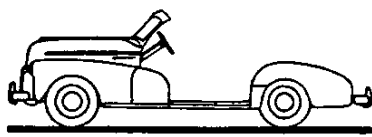
8-passenger, 4-door, 7-window wooden body with drop and lift gates at rear.
 Genuine leather seat trim (RPO) →
 Maroon top (RPO). →
 Reg. color is brown. →



Mfg. symbols: 2109, STWG

CHASSIS WITH COWL AND WINDSHIELD

For bodies other than Chevrolet.



Mfg. symbols: 2101, PCH

RPO EQUIPMENT: 3.73:1 rear axle (with reg. 16" wheels), 3.73:1 and 4.11:1 rear axles with carburized gears, economy engine, 16-1/4" fan (with 3.73:1 rear axle and 16" wheels), governor, low crown (truck) air cleaner, oil bath air cleaner, oil filter, 10-3/4" (truck) clutch, 6.00-16-6 ply tires on reg. wheels, 6.50-16-6 ply tires on 16x4.50E wheels, 5.50-18-4 ply tires on 18" wheels.



VEHICLE WEIGHT CONDITIONS

SHIPPING WEIGHT: This is the total weight of the basic vehicle with all regular equipment and with grease and oil wherever required. It does not include the weights of gasoline or water. Shipping weights are established by the Traffic Department.

* * * * *

CURB WEIGHT: This is the weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline and water; plus also the weight of the spare tire on all One Ton and

Heavy Duty trucks and school buses. Spare tires are regular equipment on all other vehicles (except the Dubl-Duti truck) and are included in both the shipping weight and the curb weight.

* * * * *

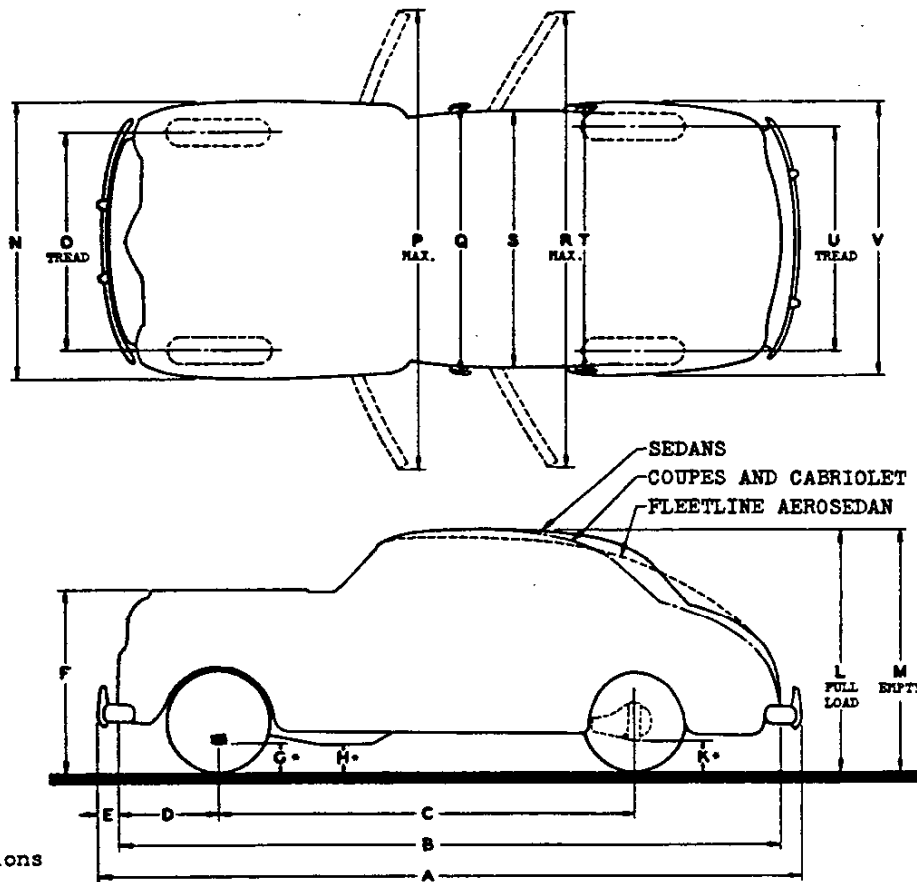
TRUCK GROSS ALLOWABLE WEIGHT: This is the total weight of the loaded truck. It is the weight of the chassis, cab and body (or single unit body) plus the weights of the driver, payload, gasoline, and water.

PASSENGER CAR WEIGHTS				
TYPE	STYLEMASTER		FLEETMASTER	
	Shipping	Curb	Shipping	Curb
Chassis, cowl and windshield, and underbody	2410	2540	2415	2545
On front wheels	1465	1480	1470	1485
On rear wheels	945	1060	945	1060
Sport Sedan	3110	3240	3145	3275
On front wheels	1635	1650	1650	1665
On rear wheels	1475	1590	1495	1610
Fleetline Sportmaster	/	/	3165	3295
On front wheels	/	/	1650	1665
On rear wheels	/	/	1515	1630
Town Sedan	3090	3220	3120	3250
On front wheels	1640	1655	1645	1660
On rear wheels	1450	1565	1475	1590
Fleetline Aerosedan	/	/	3105	3235
On front wheels	/	/	1625	1640
On rear wheels	/	/	1480	1595
Five-Passenger Coupe	3060	3185	3085	3215
On front wheels	1645	1660	1635	1650
On rear wheels	1415	1525	1450	1565
Business Coupe	3055	3180	3070	3200
On front wheels	1655	1705	1640	1655
On rear wheels	1400	1475	1430	1545
Cabriolet	/	/	3385	3515
On front wheels	/	/	1760	1775
On rear wheels	/	/	1625	1740
Station Wagon	/	/	3425	3555
On front wheels	/	/	1550	1665
On rear wheels	/	/	1875	1990

COMMERCIAL CAR WEIGHTS				
TYPE	STYLEMASTER		FLEETMASTER	
	Shipping	Curb	Shipping	Curb
Coupe Pickup	3230	3355	/	/
On front wheels	1645	1695	/	/
On rear wheels	1585	1660	/	/
Sedan Delivery	3080	3210	/	/
On front wheels	1640	1690	/	/
On rear wheels	1440	1520	/	/



PASSENGER CAR EXTERIOR DIMENSIONS



NOTE: Dimensions P, Q, R, and T measured on actual cars.

LEGEND	SPORT SEDAN	TOWN SEDAN	FLEETLINE		FIVE-PASS. COUPE	BUSINESS COUPE	CABRIO-LET
			SPORT-MASTER	AERO-SEDAN			
A Overall length	195-7/8						
B Overall length, less bumpers	183-3/4						
C Wheelbase	116						
D Center of wheels to front of grille	27-1/8						
E Front of grille to front of bumper	5-1/2						
F Max. height over radiator ornament, loaded	48-7/8						
G Minimum "front axle" ground clearance*	8-1/4 (under coil spring seat)						
H Minimum exhaust pipe ground clearance*	7-1/4						
K Minimum rear axle ground clearance*	7-7/8						
L Maximum height of car, loaded	66-1/8		63-5/8		65-7/8		65-5/8
M Maximum height of car, empty	69-3/8		66-7/8		68-5/8	67-1/4	68-3/8
N Maximum width over front fenders	72-5/8						
O Front tread	57-5/8						
P Maximum width over front doors, opened	122	138	122	144	138		
Q Maximum width over front door handles	67-3/4	69-7/8	68-3/8	69-7/8			
R Maximum width over rear doors, opened	119		128				
S Maximum body width	70-7/8						
T Maximum width over rear door handles	69-7/8		70-1/8				
U Rear tread	60						
V Maximum width over rear fenders	72-3/4						

* - Ground clearances given are based on static conditions of tires and springs under 5-passenger design load. Actual clearances with car in operation when loaded are greater than those given.



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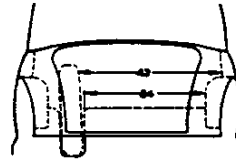
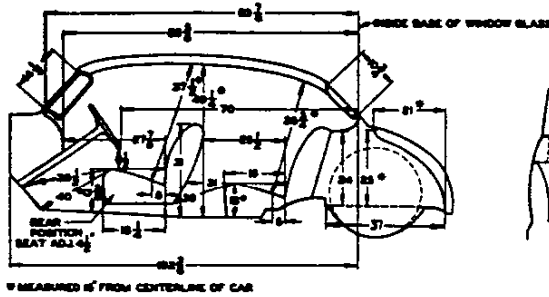
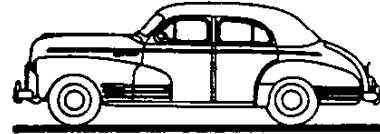
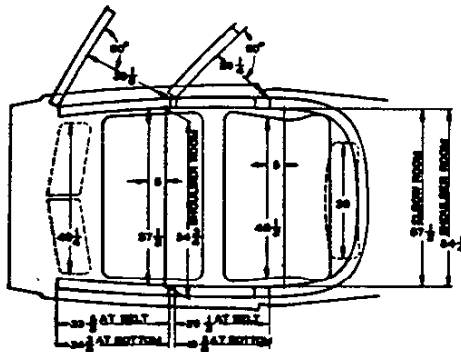
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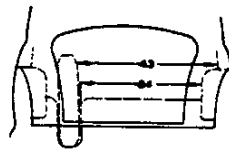
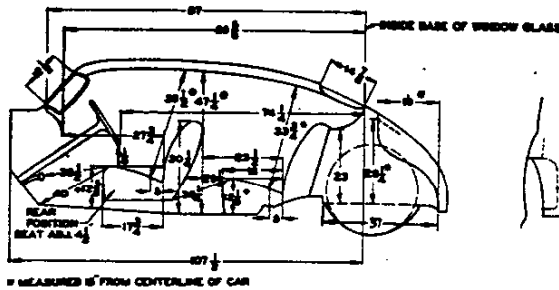
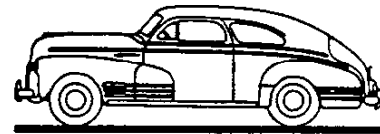
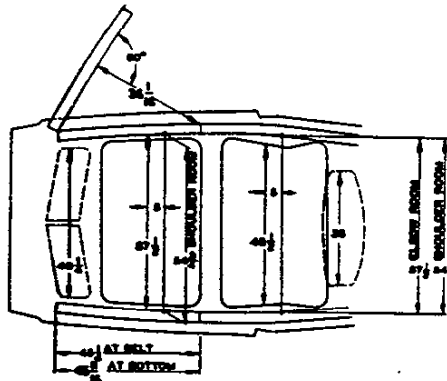
PASSENGER CAR BODY DIMENSIONS—Continued

FLEETLINE SPORTMASTER (Fleetmaster)



* MEASURED 6" FROM CENTERLINE OF CAR

FLEETLINE AEROSedan (Fleetmaster)



* MEASURED 6" FROM CENTERLINE OF CAR

CONTINUED



5

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8





PASSENGER CAR EQUIPMENT

ITEM	STYLEMASTER				FLEETMASTER									
	SPORT	TOWN	FIVE-PASS.	BUSINESS	SPORT	TOWN	FIVE-PASS.	BUSINESS	FLEETLINE		CAB-RIOLET	STATION WAGON		
	SEDAN	SEDAN	COUPE	COUPE	SEDAN	SEDAN	COUPE	COUPE	SPORT-MASTER	AERO-SEDAN				
Front door locks	Left and right											Right		
Front arm rests					2									
Sunshades	1				2									
Windshield wipers	2													
Cigarette lighter					Yes									
Clock					Yes									
Front ash receiver					Yes									
Glove compartment light					Yes									
Robe cords	1				1	2			1	2				
Assist straps					2		2		2					
Coat hooks	2													
Rear ash receiver					1	2			1	2				
Seat upholstery	Light gray canda cloth				Light gray canda cloth. Two-tone Bedford cord optional				Brown [®] Fleet-weave [®] broad-cloth		Genuine leather	Leatherette		
Front floor mats	Black rubber				Brown rubber with carpet inserts		Brown rubber		Brown rubber with carpet inserts					
Scuff pads	Leatherette at bottom of all side doors and front seat				Leatherette at bottom of all side doors and front and rear seats									
Instrument panel base plate finish	Resort Beige				Straight cut walnut				Blistered walnut		Straight cut walnut			
Instrument panel trim	Bright metal radio grille				Bright and satin-finished metal radio grille and instrument cluster and glove compartment door decoration									
Choke and throttle control plate	Brown plastic													
Instrument panel control knobs	Ivory plastic with recessed letters				Ivory plastic knobs with copper-toned letters									
Steering wheel	Y-Spoke with horn button				Two-spoke with horn blowing ring									
Hood name plate					Fleetmaster				Fleetline		Fleetmaster			
Body sill molding	Bright metal													
Body belt molding	Bright metal													
Body crease line molding					Bright metal									
Windshield trim molding					Bright metal									
Side window reveals					Bright metal									
Rear window trim molding					Bright metal									
Rear name plate (on trunk door)	"Chevrolet"								"Fleetline"		"Chevrolet"			
Fender valance moldings									3 front and rear(bright)					
G	Hi-Test Safety Plate													
1	Hi-Test Safety Plate												Safety Sheet	
a	Safety Solid Plate				Hi-Test Safety Plate				Safety Solid Plate		Hi-Test Safety Plate		Safety Sheet	
s	Safety Solid Plate												Hi-Test S.P.	Safety Sheet
Rear quarter window travel	Fixed				Slides				Fixed		Slides		Rotates	Slides

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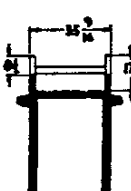

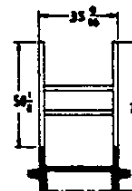
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FRAME

ITEM	PASSENGER AND COMMERCIAL CARS		LIGHT COMMERCIAL TRUCKS				
	CABRIOLET	ALL OTHERS	LIGHT DELIVERY	DUBL-DUTI	3/4 TON		3/4 TON SPECIAL
			REGULAR	HDE			
Type	Box Girder		Ladder				
Structural cross members *	2 and VK	3	5				
Maximum overall length	169-9/16		171-7/8	184-3/4	182-1/8		202-7/8
Max. width over side members	49		46 at rear		36 (for load space length)		
Section type	Box		Channel				
Material	Hot rolled steel, pickled						
Minimum yield point	41000 pounds per square inch						
Elongation	35% to 40% in 2 inches						
Section modulus per side (inches cubed)	1.716		2.40		3.18		5.43
Maximum section dimensions							
Reinforcing plates	None						

ITEM	CONVENTIONAL TRUCKS		CAB-OVER-ENGINE TRUCKS		SCHOOL BUSES		
	134-1/2	160	109	132-1/2	158	160	195
Type	Ladder						
Structural cross members *	5	6	5		6	7	8
Maximum overall length	190-7/8 @	216-3/8	166-7/16	189-13/16	215-7/16	266-1/2	301-9/16
Max. width over side members	36 (for load space length)						
Section type	Channel						
Material	Hot rolled steel, pickled						
Minimum yield point	41000 pounds per square inch						
Elongation	35% to 40% in 2 inches						
Section modulus per side (inches cubed)	5.43	8.71	5.43		8.71		9.26
Maximum section dimensions (plates on side members are side member reinforcements)							
Reinforcing plates	RPO	Regular	RPO		Regular		

RPO FRAME EXTENSIONS

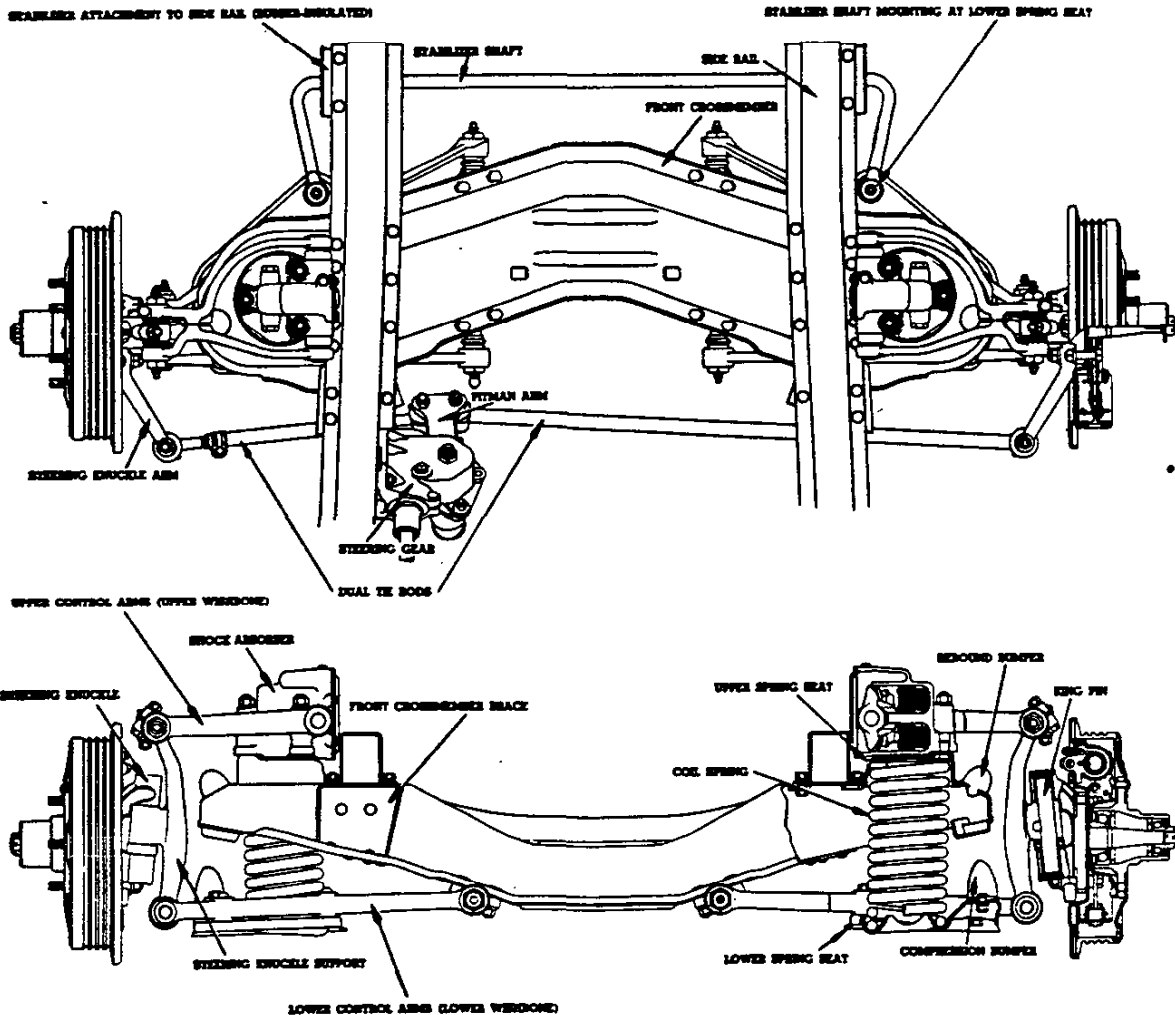
<p style="text-align: center;">8-1/2-INCH TYPE</p>  <p>RPO for 134-1/2 Heavy Duty Conventional trucks except Panel and Canopy Express trucks and trucks with the larger size tires.</p>	<p style="text-align: center;">12-INCH TYPE</p>  <p>RPO for Heavy Duty Conventional trucks except 134-1/2 Panel and Canopy Express trucks, where it is regular equipment.</p>	<p style="text-align: center;">50-INCH TYPE</p>  <p>RPO for 160 Heavy Duty Conventional, 132-1/2 and 158 Cab-over-engine except platform bodies. Regular equipment on 160 School Bus.</p>
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* - Structural cross members are those which are so attached as to resist torsional frame stresses.
 @ - 202-7/8 when single unit bodies are used.

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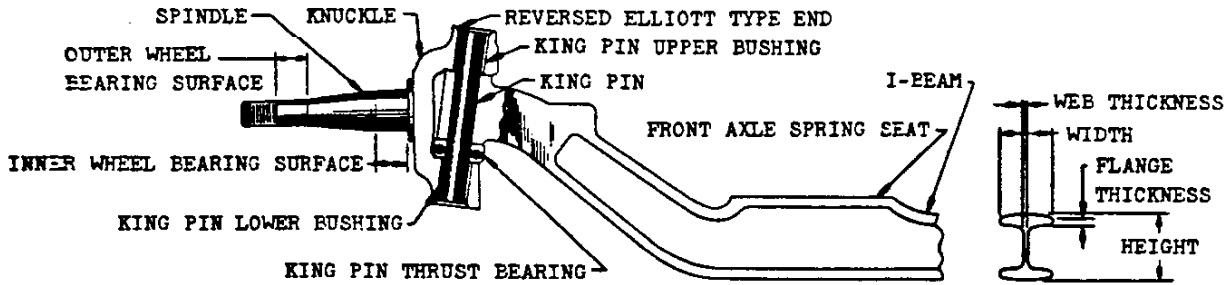
PASSENGER CAR FRONT SUSPENSION



SPRING				WHEEL TRAVEL				
Type	Right hand helical coil			For steering	38° from neutral to stop			
Gauge (diameter)	.578-.582			Vertical	4" both up and down from normal setting of metal-to-metal position			
Number of coils	11-5/16			Ratio	1.64:1 (wheel to spring)			
Outside diameter	4-3/8			Comparative travel of wheel and spring	Wheel travels in vertical path 4" from normal setting position at rate of 111 pounds per inch		Spring travels 2-7/16" at rate of 300 pounds per inch	
Pitch diameter (theoretical)	3.791							
Free length	14-1/4							
Working length	9-5/8 at 1375 pounds							
Deflection rate	300 pounds per inch							
BEARINGS	UPPER CONTROL ARMS			LOWER CONTROL ARMS				
	Pivot Bolt	Front Bushing	Rear Bushing	Pivot Bolt	Bolt Bushing	Shaft Bushing	Shaft Ends	
Type	Threaded							
Threads	Type	Ends	11 pitch, single	11 pitch, single				
	Major diameter	Front	.644-.662	.694 minimum	.738-.756	.774 minimum	.689 minimum	.853-.859
		Center	.976-.980		.724-.742			
		Rear	.644-.662		.714-.732			
Mounting	Clamp lock			Self locking			Bolted	
Seal	Synthetic rubber, self sealing							

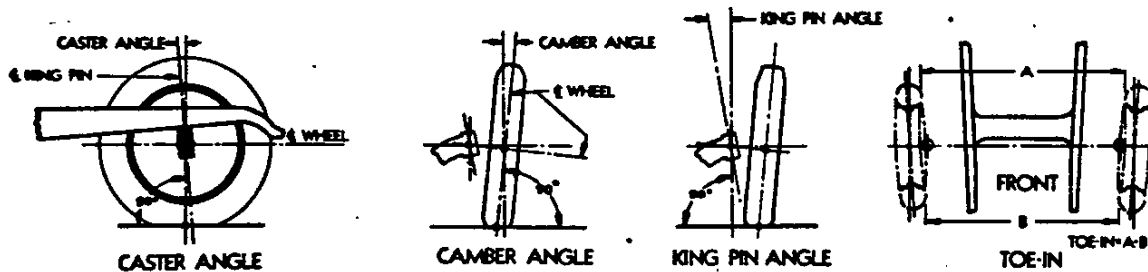
9-30-41

FRONT AXLE



ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT COMMERCIAL TRUCKS			CONVENTIONAL HEAVY DUTY TRUCKS		SCHOOL BUS CHASSIS	CAB-OVER-ENGINE TRUCKS
		LIGHT DELIVERY AND DUBL-DUTI	3/4 TON REG-ULAR	3/4 TON WITH HDE	3/4 TON SPECIAL	ONE TON		
Type	Reversed Elliott	Reversed Elliott (modified I-beam section)						
Rated capacity (pounds)	2000	2200	2500	3500	4500	4200		
I-beam (average dimensions)	Height		2-3/32	2-17/64		2-3/8	2-5/8	
	Width		1-23/32	1-13/16	2			
	Flange thickness		7/32	1/4	5/16	7/16		
	Web thickness		9/32	11/32		1/4	3/8	
	Section modulus (inches cubed)		0.827	1.085	1.215	1.43	1.72	
King pin diameter		.8660-.8665		.9210-.9214	1.1085-1.1095			
King pin bushings	Inside diameter	.867-.868		.922-.923	1.1095-1.1105			
	Length	1-5/16		1-17/64	1-11/32			
King pin thrust bearings		See BEARINGS, page 78						
Wheel bearings		See BEARINGS, page 78						
Spindle diameter	At inner bearing	1.2801-1.2806		1.4051-1.4056	1.5618-1.5623			
	At outer bearing	.7490-.7495		.8427-.8432	.9368-.9373			

FRONT WHEEL ALIGNMENT (Service Dimensions)



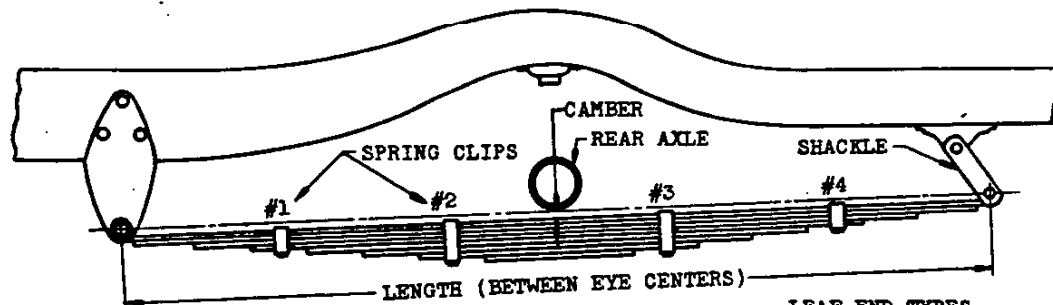
ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT DELIVERY TRUCKS, 3/4 TON TRUCKS, 3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT AND 3/4 TON SPECIAL TRUCKS	ONE TON AND CONVENTIONAL HEAVY DUTY TRUCKS AND SCHOOL BUSES (REGULAR & RPO AXLES)	CAB-OVER-ENGINE TRUCKS
King pin angle	4-3/4° ± 30'	7°-10° ± 1°		8° ± 1°
Camber	-15° ± 30'	1° ± 30'		
Caster	0° ± 30'	1°-45' ± 30'	2°-45' ± 30'	
Toe-in	0 to 1/16	5/64 to 1/8		
Toe-out on turns	Outside wheel	20°		
	Inside wheel	24° ± 2°	23° ± 2°	

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REAR SPRINGS

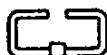
SEMI-ELLIPTIC TYPE SPRING



SPRING CLIP TYPES

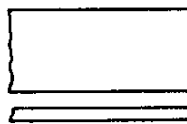


BOLT

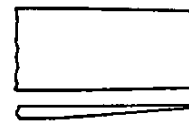


CLINCH

LEAF END TYPES



FLAT
(square trim)



TAPERED
(no trim)

ITEM	PASSENGER AND COMMERCIAL CARS				1/2 TON TRUCKS	
	Chassis, Town Sedan, Sport Sedan, Fleet-line Sport-master and Aerosedan and Coupe Pickup. RPO (with RPO 18" wheels) for Business Coupe, Five-Pass. Coupe and Cabriolet.	Business Coupe, Five-Passenger Coupe and Cabriolet.	Sedan Delivery. RPO (with regular wheels) for Chassis, Town Sedan, Sport Sedan, Fleet-line Sport-master and Aerosedan and Coupe Pickup.	Station Wagon	Light Delivery Trucks	Dubl-Duti Truck
Type	Semi-elliptic					
Number of leaves	8	7	8			9
Thickness of leaves	#1	.237	.237	.237	.291	.291
	#2					
	#3					
	#4	.214	.214	.262		
	#5					
	#6					
	#7					
	#8					
	#9					
Total thickness	1.804	1.590	1.896	1.996	2.328	2.619
Length x width	49 x 1-3/4				54-1/8 x 1-3/4	
Average camber	5/8 negative				1/2	
Average load at camber height (pounds)	920	825	1050	1365	1150	1350
Average deflection rate (pounds per inch)	115	108	145	165	190	220
Leaf end type	Tapered (no trim)			Flat (square trim)		
Spring clip type	#1	Clinch				
	#2					Clinch
	#3					
	#4	Clinch				
Spring covers	Metal					

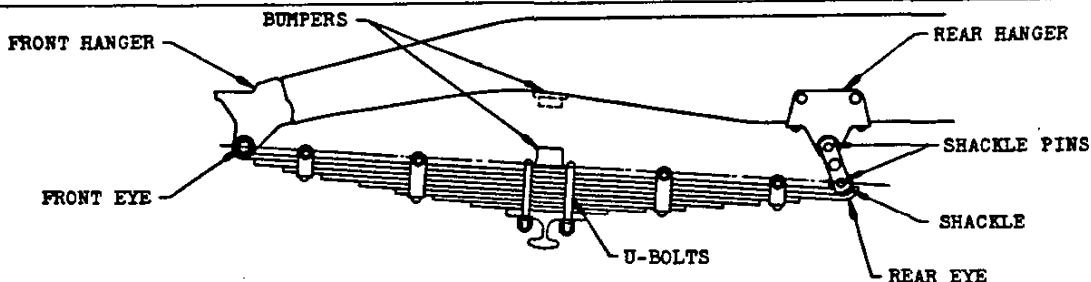
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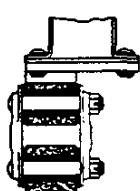
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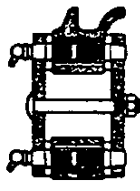
SPRING MOUNTINGS



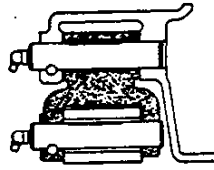
SHACKLE TYPES



RUBBER-BUSHED H



THREADED H



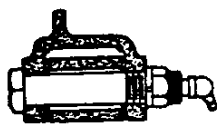
CLEVIS

EYE TYPE (SHACKLE END)

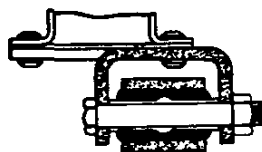


OVERHUNG EYE

FIXED END TYPES



PLAIN



RUBBER-BUSHED

EYE TYPE (FIXED END)



BERLIN EYE
1/2 WRAPPED

ITEM	PASSENGER AND COMMERCIAL CAR REAR SPRINGS	TRUCK FRONT SPRINGS		TRUCK REAR SPRINGS		
		DUBL-DUTI AND CAB-OVER-ENGINE TRUCKS	ALL OTHER TRUCKS AND SCHOOL BUSES	LIGHT DELIVERY AND DUBL-DUTI TRUCKS	3/4 TON, 3/4 TON HDE AND 3/4 TON SPECIAL TRUCKS	ONE TON AND HEAVY DUTY TRUCKS AND SCHOOL BUSES
Shackle		At rear		At rear		
Location		At rear		At rear		
Type		Threaded H (with passenger and commercial car rear springs, rubber-bushed shackles also are used.)		Clevis		
Shackle pin diameter		.6215-.6245 P.D., 11 threads		.874-.875		
Bolt dia., fixed end		.500-.504	.681-.684			
Bushing at fixed end of spring	Type	Rubber-bushed	Plain			
	ID	.505 minimum	.685-.689	.876-.880		
	Length	2.400-2.410	1-15/16 (1-11/16*)	1-11/16	1-63/64	2-31/64
Bushings at shackle end of spring	Type	Threaded for shackle pins			Plain (Two for upper pin)	
	Diameter	.6295-.6325 P.D., 11 threads			Upper, .8755-.8765 ID Lower, .876-.880 ID	
	Length	1-3/4	2 (1-3/4*)	1-3/4	Upper, 1-1/8 Lower, 1-63/64	Lower, 2-31/64
Spring to axle attachment	2 U-bolts to rubber-bushed seat on housing	2 U-bolts to axle I-beam		2 U-bolts to metal seat and cap on housing		
				Oscillating seat	Fixed seat.	
U-bolt diameter	1/2	5/8 (1/2*)	1/2		5/8	
Spring bumper	Rubber on frame	Rubber on spring			Rubber on frame	
Spring mounting	Parallel	70-49' (80-5'*) included		5° included	Parallel	
Spring centers	47-1/4	26-13/16		42-1/2		42

* - For Light Delivery, Dubl-Duti and 3/4 Ton trucks and 3/4 Ton trucks with heavy duty equipment.

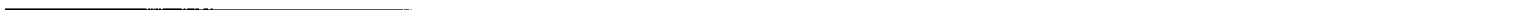
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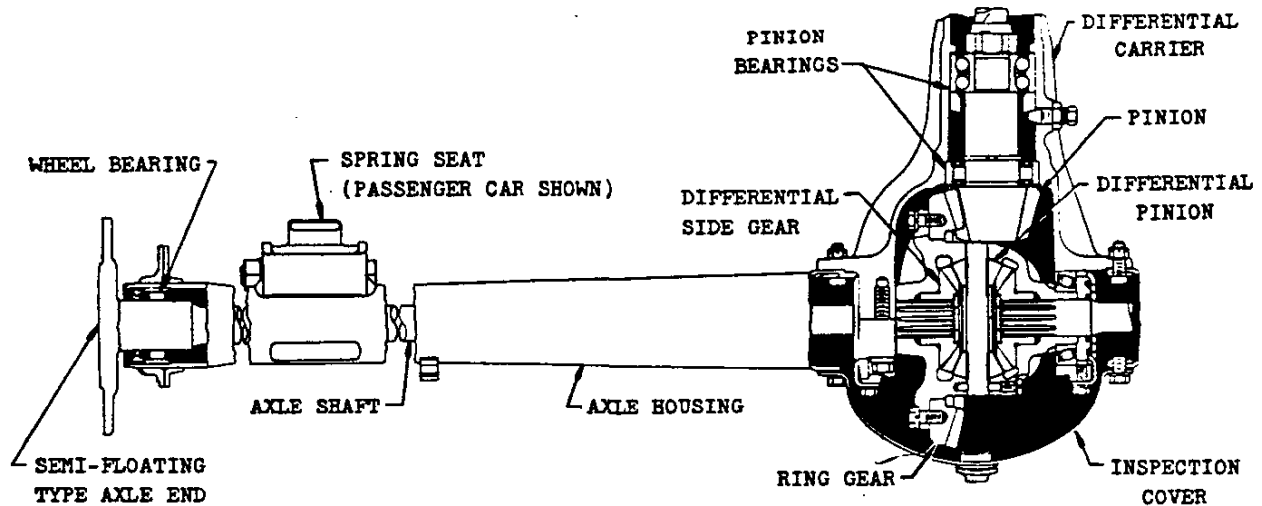
SHOCK ABSORBERS												
ITEM	PASSENGER AND COMMERCIAL CARS		LIGHT COMMERCIAL TRUCKS						ONE TON TRUCKS, CONVENTIONAL AND CAB-OVER-ENGINE HEAVY DUTY TRUCKS AND SCHOOL BUSES			
			LIGHT DELIVERY AND DUBL-DUTI TRUCKS		3/4 TON TRUCKS		3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT AND 3/4 TON SPECIAL TRUCKS					
			Front	Rear	Front	Rear	Front	Rear			Front	Rear
Make	Delco											
Type	Hydraulic, double-acting (end-to-end discharge)		Hydraulic, single-acting (conventional)									
Valve code	Bumper	Ad-.5	D-.5	4CG	3CG	4CG	3CG	4CG				
number	Rebound	1.5D	.7J									
Piston diameter	1-1/2											

RPO SHOCK ABSORBERS											
ITEM	PASSENGER AND COMMERCIAL CARS		LIGHT COMMERCIAL TRUCKS						ONE TON TRUCKS, CONVENTIONAL AND CAB-OVER-ENGINE HEAVY DUTY TRUCKS AND SCHOOL BUSES		
			LIGHT DELIVERY AND DUBL-DUTI TRUCKS		3/4 TON TRUCKS		3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT AND 3/4 TON SPECIAL TRUCKS				
			Front	Rear	Front	Rear	Front	Rear			Front
Make	Delco										
Type			Hydraulic, double-acting								
Valve code	Bumper			G2	G0	G2	G0	G2	G0	G2	
number	Rebound			2R	1R	2R	1R	2R	1R	2L	
Piston diameter			1-1/2							1-3/4	

RIDE STABILIZER			
ITEM	PASSENGER AND COMMERCIAL CARS		ALL OTHER TRUCKS AND SCHOOL BUSES
Type	Torsion bar in rubber bushing		
Mounting	Bolted to lower front spring seat		Bolted to front spring



REAR AXLE



ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT COMMERCIAL TRUCKS							
		PASSENGER AND COMMERCIAL CARS		LIGHT DELIVERY		DUAL-DUTY PACKAGE DELIVERY		3/4 TON, 3/4 TON HDE AND 3/4 TON SPECIAL	
		Reg. axle	RPO axle	3-speed trans- mission	4-speed trans- mission	3-speed trans- mission	4-speed trans- mission	3-speed trans- mission	4-speed trans- mission
Type	Semi-floating								
Rating (pounds)	3000		3300				3900		
Housing type	Pressed steel banjo. Two pieces welded together along seams.						Banjo. One-piece welded steel tube		
Final gears	Spiral Hypoid								
	Type								
	Ratio	4.11:1	3.73:1	4.11:1		4.55:1			
Teeth	37 and 9	41 and 11	37 and 9		41 and 9				
Gear backlash	.005-.007		.005-.008						
Pinion	Mounting	Overhung							
	Adjust.	Shims and tapered collar							
	Bearings	See BEARINGS, page 78							
	Thrust	Against front pinion bearing							
Differential	Type	Two-pinion							
	Bearings	See BEARINGS, page 78							
Wheel bearings									
Axle shaft	Type	Drive flange at wheel end forged integrally with shaft.							
	Minimum diameter	63/64		1-5/32					
Drive torque	Through torque tube						Through springs		
Total gear reductions (ratio)	First	12.09	10.97	12.09	29.02	13.38	32.12	13.38	32.12
	Second	6.91	6.27	6.91	14.30	7.64	15.83	7.64	15.83
	Third	4.11	3.73	4.11	7.03	4.55	7.78	4.55	7.78
	Fourth				4.11		4.55		4.55
	Reverse	12.09	10.97	12.09	28.69	13.38	31.76	13.38	31.76
Axle shaft torque @ (foot-pounds)	First	1726	1566	1726	2656\$	1911	2656\$	1911	2656\$
	Second	987	895	987	2042	1091	2260	1091	2260
	Third	614	558	614	1006	680	1111	680	1111
	Fourth				614		680		680
	Reverse	1726	1566	1726	2656\$	1911	2656\$	1911	2656\$
Lubricant capacity	3-1/2 pints			4-1/2 pints					

* - Rear axle ratio x transmission ratio. @ - Total gear reduction x engine maximum net torque x efficiency factor (.89 in high gear; .85, all others). \$ - Maximum capacity per shaft.

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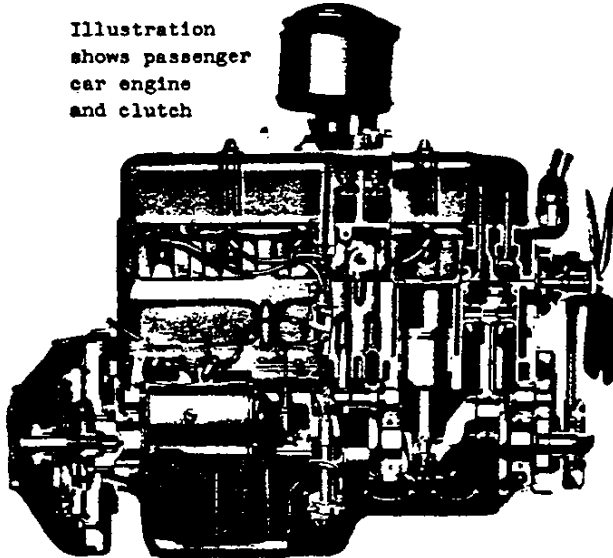
BRAKES									
ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT COMMERCIAL TRUCKS				ONE TON AND CONVENTIONAL HEAVY DUTY TRUCKS AND SCHOOL BUSES	CAB-OVER-ENGINE TRUCKS		
		LIGHT DELIVERY AND DUBL-DUTI	3/4 TON		3/4 TON SPECIAL				
Service brake type		Hydraulic, 4-wheel, internal expanding, double-articulated shoe							
Hand brake type		Mechanical pull rods and cables operate two shoes in each rear brake							
Brake drum	Type	Composite (Cast iron rim and cooling ribs; pressed steel web)							
	Dia-meter	Front	11				14		
	Rear	11		14		16			
Brake lining	Material	Full-moulded asbestos composition							
	Width	Front	1-3/4				2		
		Rear	1-3/4		2		3		
	Thick-ness	Front	.187-.194				.265-.272		
		Rear	.187-.194		.265-.272		.265-.272		
Clear-ance	Front	Adjust to slight drag. Back off 4 notches.							
	Rear	Adjust to slight drag. Back off 4 notches.				Adjust to slight drag. Back off 2/3 screw turn.			
Lining area (total eff.)	Serv. brake	161 square inches			195-1/2 sq.in.		329-1/2 square inches		
	Hand brake	80 square inches			115 sq.in.		214-1/2 square inches		
Braking pressure	Front	52-1/2%			45-1/4%		41%		
	Rear	47-1/2%			54-3/4%		59%		
Braking ratio (approx.)	Pedal	4.63:1	5.10:1	7.62:1		6.11:1		6.27:1	
	Hydraulic	11.9:1		7.61:1		8.84:1		9.75:1	
	Av. overall	55.1:1	60.6:1	57.9:1	67.4:1	54.0:1	59.6:1		61.1:1
Foot pedal	Travel	6-9/32	6-1/2	7-3/4					
	Mounting	With main cylinder to frame	With main cyl. to trans. and clutch housing	On clutch housing				On sub-frame	
	Pad	Rubber		None					
Hand brake lever mounting	To cowl	To transmission						Sub-frame	
Wheel Cylinder	Diameter	Front	1-1/4						
		Rear	1-3/16		1-3/8		1-1/2		
Main cylinder	Piston travel	.113	.115	.197	.170	.154			
	Diameter	1		1-1/4					
Main cylinder	Piston travel	1-11/32 max.	1-3/8 min.	1-1/2 min.					
		Approximately 3/4 pint							
Brake system fluid cap.	Approximately 3/4 pint								
Brake fluid recommended	Delco Super #9								

BRAKES—VACUUM BOOSTER—RPO		
ITEM	ONE TON, HEAVY DUTY CONVENTIONAL AND CAB-OVER-ENGINE TRUCKS AND SCHOOL BUSES	
Type	Single line, vacuum suspended, reactionary valve	
Power distribution	Pedal	15%
	Booster	85%
Pedal pressure required for 1000 pounds of hydraulic pressure.	228 pounds without booster 124 pounds with booster	

PROPELLER SHAFT HAND BRAKE—RPO	
ITEM	SCHOOL BUSES
Type	Double-face disc
Brake lining size	3-7/16 inside radius x 5-7/16 outside radius x 1/4 thick x 90° arc
Total lining area	27-7/8 square inches

ENGINE GENERAL DATA

Illustration shows passenger car engine and clutch



REGULAR ENGINE (ALL MODELS)

Type Valve-In-Head
 Cylinders Six, in line
 Bore 3-1/2 (nominal)
 Stroke 3-3/4 (nominal)
 Piston displacement 216.5 cubic inches
 Compression ratio 6.5:1
 Taxable horsepower 29.4

RPO "LOADMASTER" ENGINE

(ONE TON AND HEAVY DUTY TRUCKS AND SCHOOL BUSES)
 Type Valve-In-Head
 Cylinders Six, in line
 Bore 3-9/16 (nominal)
 Stroke 3-15/16 (nominal)
 Piston displacement 235.5 cubic inches
 Compression ratio 6.52:1
 Taxable horsepower 30.4

ENGINE PERFORMANCE AND WEIGHT DATA

ITEM	ENGINE	PASS- ENGER AND COM- MERCIAL CARS	LIGHT COMMERCIAL TRUCKS				ONE TON TRUCK	CONVENTIONAL HEAVY DUTY TRUCKS		SCHOOL BUSES		CAB-OVER- ENGINE TRUCKS		
			LIGHT DELI- VERY	DUEL DUTI	3/4 TON			3/4 TON SPEC- IAL	SINGLE REAR WHEELS	DUAL REAR WHEELS	160 WB	195 WB	SINGLE REAR WHEELS	DUAL REAR WHEELS
					REG- ULAR	WITH HDE								
Nominal maxi- mum GROSS horsepower	216.5	90 at 3300 RPM										87 at 3300 RPM		
	235.5	93 at 3100 RPM										90 at 3100 RPM		
Nominal maxi- mum GROSS torque (foot pounds)	216.5	174 at 1200 to 2000 RPM										172 at 1200 to 2000 RPM		
	235.5	192 at 1000 to 1900 RPM										189 at 1000 to 1900 RPM		
Nominal maxi- mum NET horsepower	216.5	83 at 3200RPM	81.5 at 3100 RPM										79 at 3100 RPM	
	235.5	83.5 at 3000 RPM										80 at 3000 RPM		
Nominal maxi- mum NET torque (foot pounds)	216.5	168 at 1100 RPM										167 at 1100 RPM		
	235.5	182 at 1000 RPM										179 at 1000 RPM		
Horsepower and torque charts	216.5	Page 50	Page 51					Page 52				Page 53		
	235.5	Page 54										Page 54		
Eng. RPM/mile/hours*		51.1	56.6	54.7	49.4	62.7	65.1	62.7	60.5	62.7	65.1			
Eng. revs. per mile*		3066	3396	3280	2962	3764	3906	3764	3628	3764	3906			
Piston travel* (feet per mile)	216.5	1917	2117	2050	1851	2353	2441	2353	2267	2353	2441			
	235.5	2469										2469		
Weight (dry) in pounds	Engine	216.5	558	563	576	568					585			
	& clutch	235.5	574										591	
	Power	216.5	608	612	625	615					677			
	plant@	235.5	664										683	

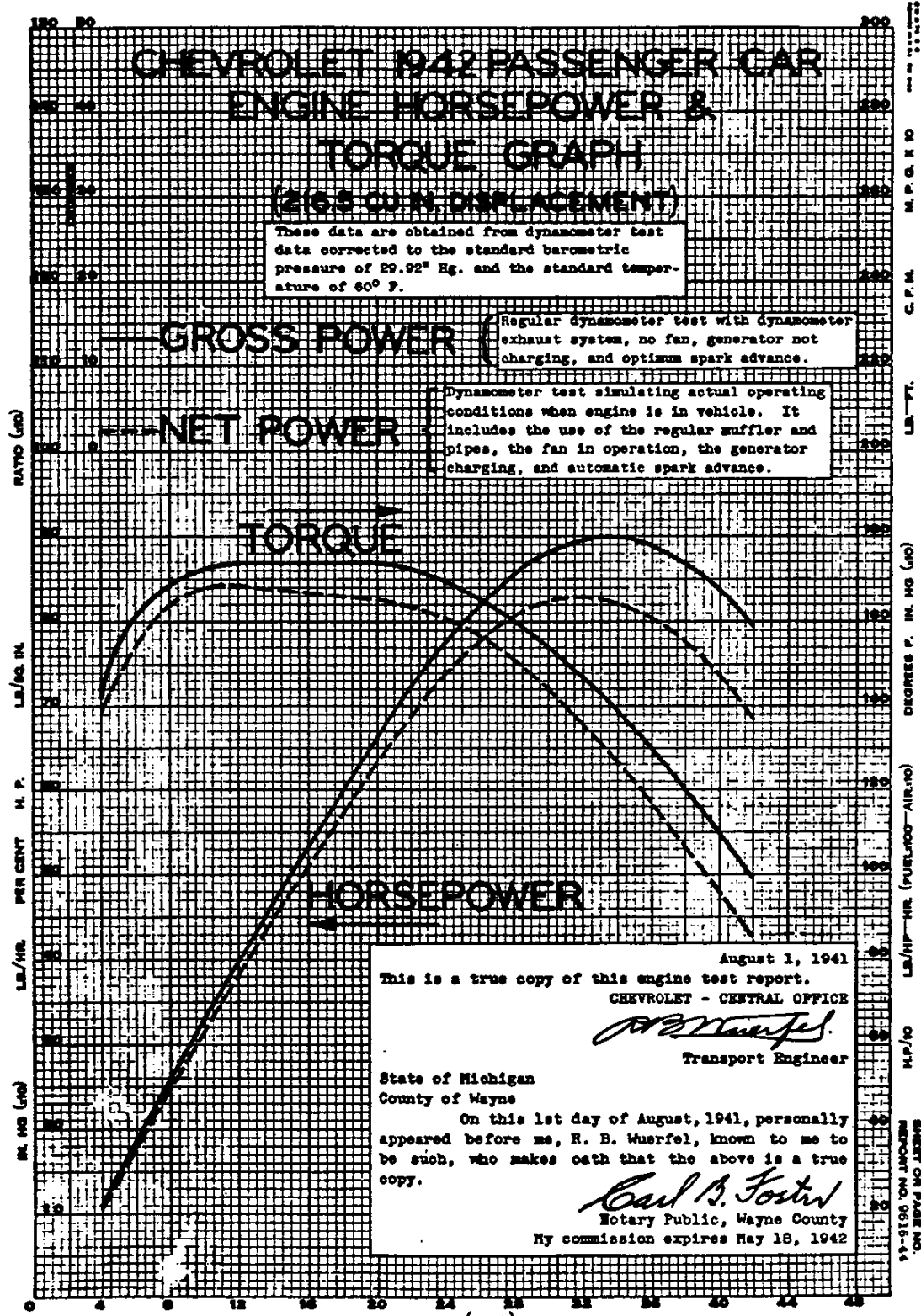
* - In high gear with regular equipment. Values for dual wheel Conventional and COE Heavy Duty trucks are based on 6.00-20-6 ply tires. @ - Weight includes engine, clutch and transmission.

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CHEVROLET 1942 PASSENGER CAR ENGINE HORSEPOWER & TORQUE GRAPH (216.5 C.C. DISPLACEMENT)

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



Regular dynamometer test with dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Dynamometer test simulating actual operating conditions when engine is in vehicle. It includes the use of the regular muffler and pipes, the fan in operation, the generator charging, and automatic spark advance.

August 1, 1941
This is a true copy of this engine test report.

CHEVROLET - CENTRAL OFFICE
R. B. Wuerfel
Transport Engineer

State of Michigan
County of Wayne

On this 1st day of August, 1941, personally appeared before me, R. B. Wuerfel, known to me to be such, who makes oath that the above is a true copy.

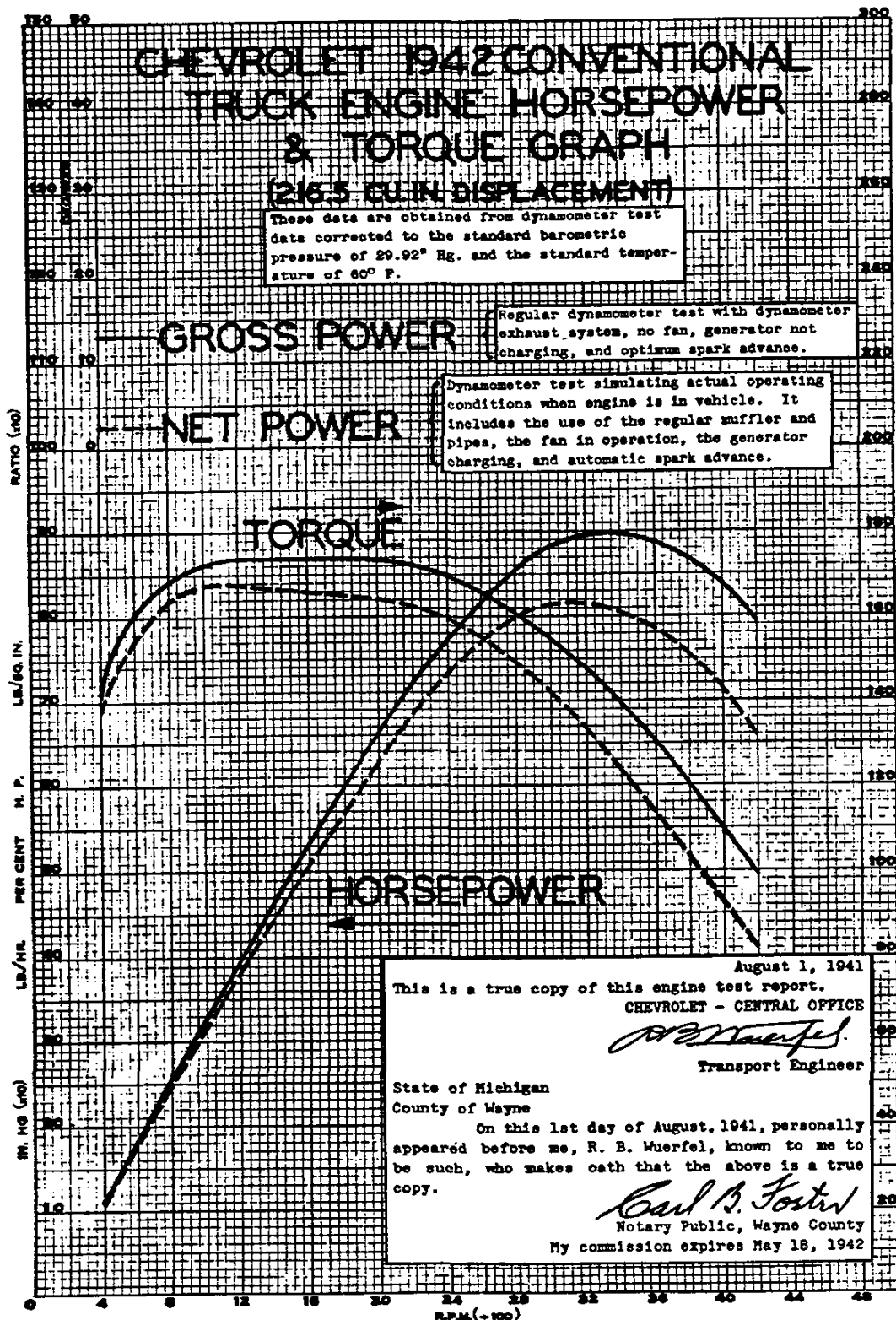
Carl B. Foster
Notary Public, Wayne County
My commission expires May 18, 1942

ENGINE PERFORMANCE ENGINE 1942-Chevrolet O.S.A. Full Throttle Performance
MOD. & SERIAL NO. Passenger Car TEST DATE

CHEVROLET 1942 CONVENTIONAL TRUCK ENGINE HORSEPOWER & TORQUE GRAPH

(265 CU. IN. DISPLACEMENT)

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



Regular dynamometer test with dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Dynamometer test simulating actual operating conditions when engine is in vehicle. It includes the use of the regular muffler and pipes, the fan in operation, the generator charging, and automatic spark advance.

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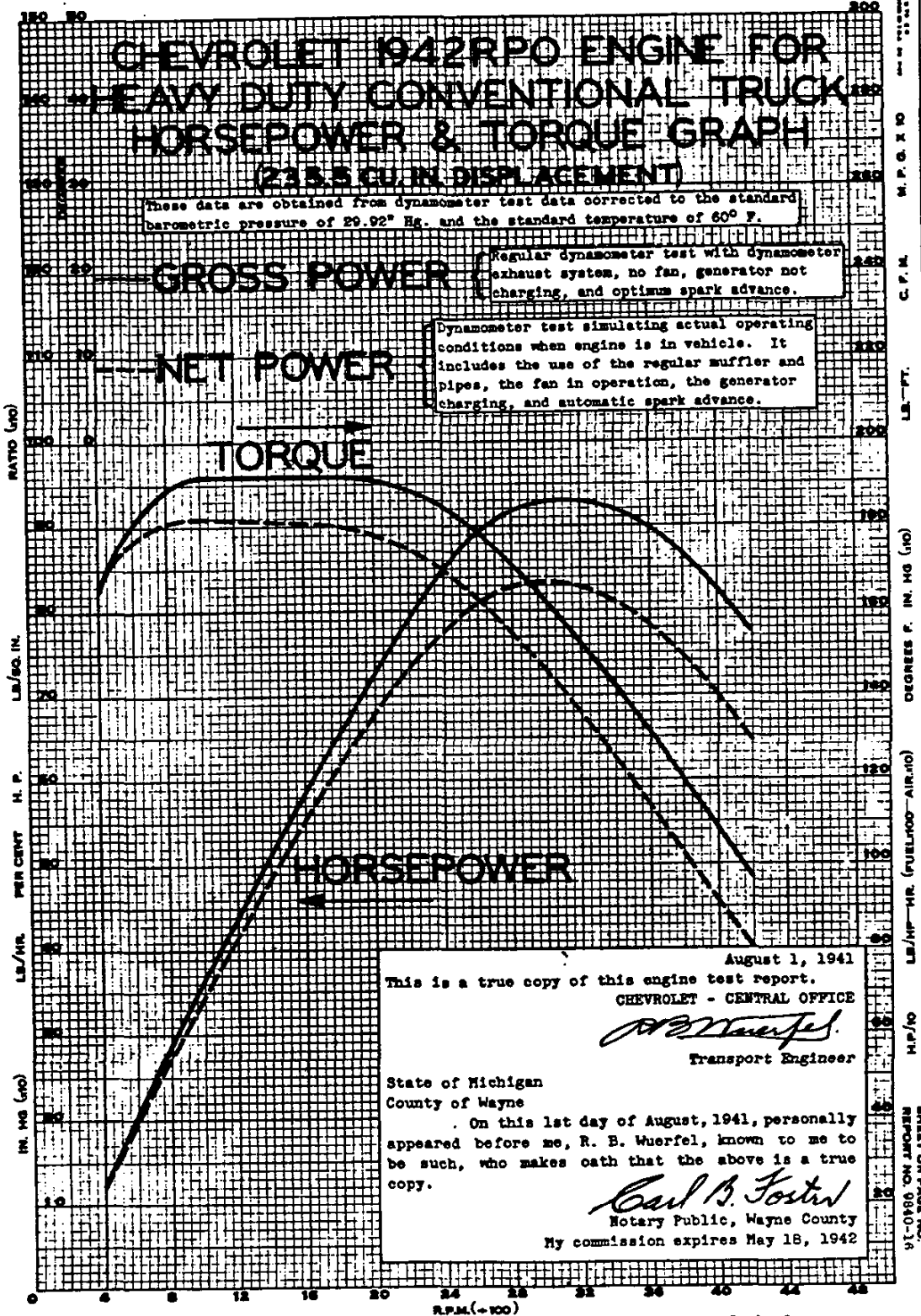
Carl B. Foster
Notary Public, Wayne County
My commission expires May 18, 1942

ENGINE PERFORMANCE ENGINE 1942 Chevrolet O.S.I. Full Throttle Performance
MOD. & SERIAL NO. Conventional Truck TEST DATE

M.P.G. 10
 C.F.M.
 LB.-FT.
 DEGREES F. IN. HG (10)
 LB/HP-HR. (FUEL/100-AIR, 10)
 HP/10
 SHEET OR PAGE NO.
 MEMOR. NO. 931.6-55

CHEVROLET 1942 RPO ENGINE FOR HEAVY DUTY CONVENTIONAL TRUCK HORSEPOWER & TORQUE GRAPH (235.5 CU. IN. DISPLACEMENT)

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



Regular dynamometer test with dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Dynamometer test simulating actual operating conditions when engine is in vehicle. It includes the use of the regular muffler and pipes, the fan in operation, the generator charging, and automatic spark advance.

August 1, 1941

This is a true copy of this engine test report.

CHEVROLET - CENTRAL OFFICE

R. B. Wuerfel
Transport Engineer

State of Michigan
County of Wayne

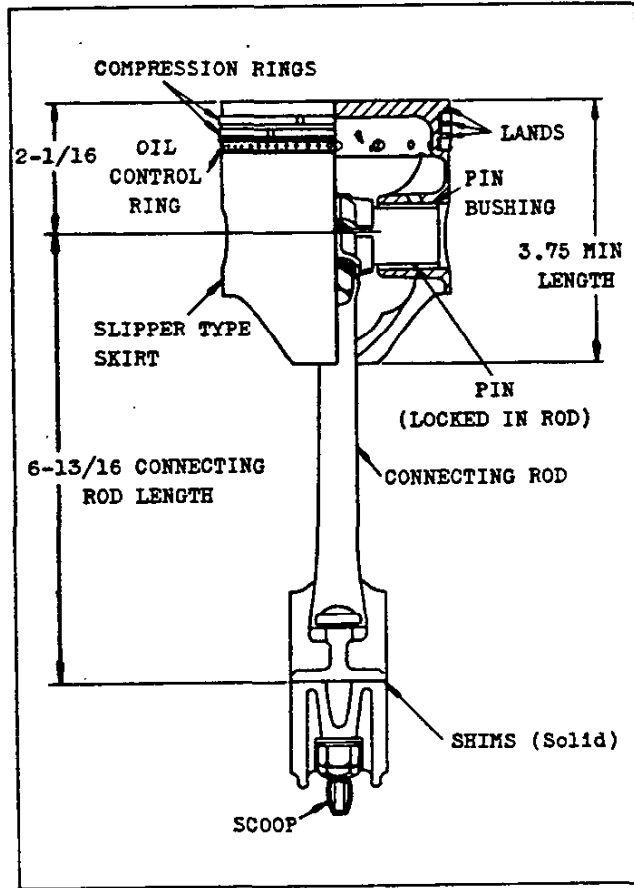
On this 1st day of August, 1941, personally appeared before me, R. B. Wuerfel, known to me to be such, who makes oath that the above is a true copy.

Carl B. Foster
Notary Public, Wayne County
My commission expires May 18, 1942

ENGINE PERFORMANCE ENGINE 1942 Chevrolet RPO O.M.L. Full Throttle Performance
MOD. & SERIAL NO. Heavy Duty Conv. Truck TEST DATE



PISTONS—PINS—RINGS



PISTON

Type Slipper skirt
 Material Cast alloy iron, surface treated
 Diameter clearance at lands0147-.0183
 Compression ring groove depth151-.166
 Diameter clearance at skirt Selective fit
 Oil ring groove:
 Depth172-.184
 Holes-number and size 14, 5/32 drill
 Side wall minimum thickness:
 Passenger and Commercial Cars .. .0347-.0447
 Trucks and School Buses040-.050
 Head thickness180-.190

Piston pin bushings:

Type Pressed in piston
 Material Cast bronze
 Inside diameter Slip fit on pin
 Length (each) 15/16
 Finish Diamond bored
 Weight (each)06 pound
 Weight of piston and bushing assembly:
 Passenger and Commercial Cars .. 1.68 pounds
 Trucks and) - 216.5 engine ... 1.82 pounds
 School Buses) - 235.5 engine ... 1.89 pounds
 Weight of piston, bushings, rings, pin and connection rod upper end x 6:
 Passenger and Commercial Cars .. 15.48 pounds
 Trucks and) - 216.5 engine ... 16.32 pounds
 School Buses) - 235.5 engine ... 16.74 pounds

PISTON PIN

Material Steel (file hard case)
 Diameter8645-.8650
 Length 3.135-3.165
 Taper limit in full length0002
 Weight32 pound
 Clearance in bushing Slip fit

COMPRESSION RINGS

Material Cast alloy iron
 Type Plain
 Number per piston 2
 Width1235-.1240
 Wall thickness155 maximum
 Gap clearance005-.015
 Ring clearance in groove0015-.003
 Weight (each)05 pound

OIL CONTROL RING

Material Cast alloy iron
 Type Drilled
 Width1860-.1865
 Wall thickness:
 216.5 engine155 maximum
 235.5 engine160 maximum
 Gap clearance005-.015
 Ring clearance in groove002-.0035
 Weight06 pound

CONNECTING RODS

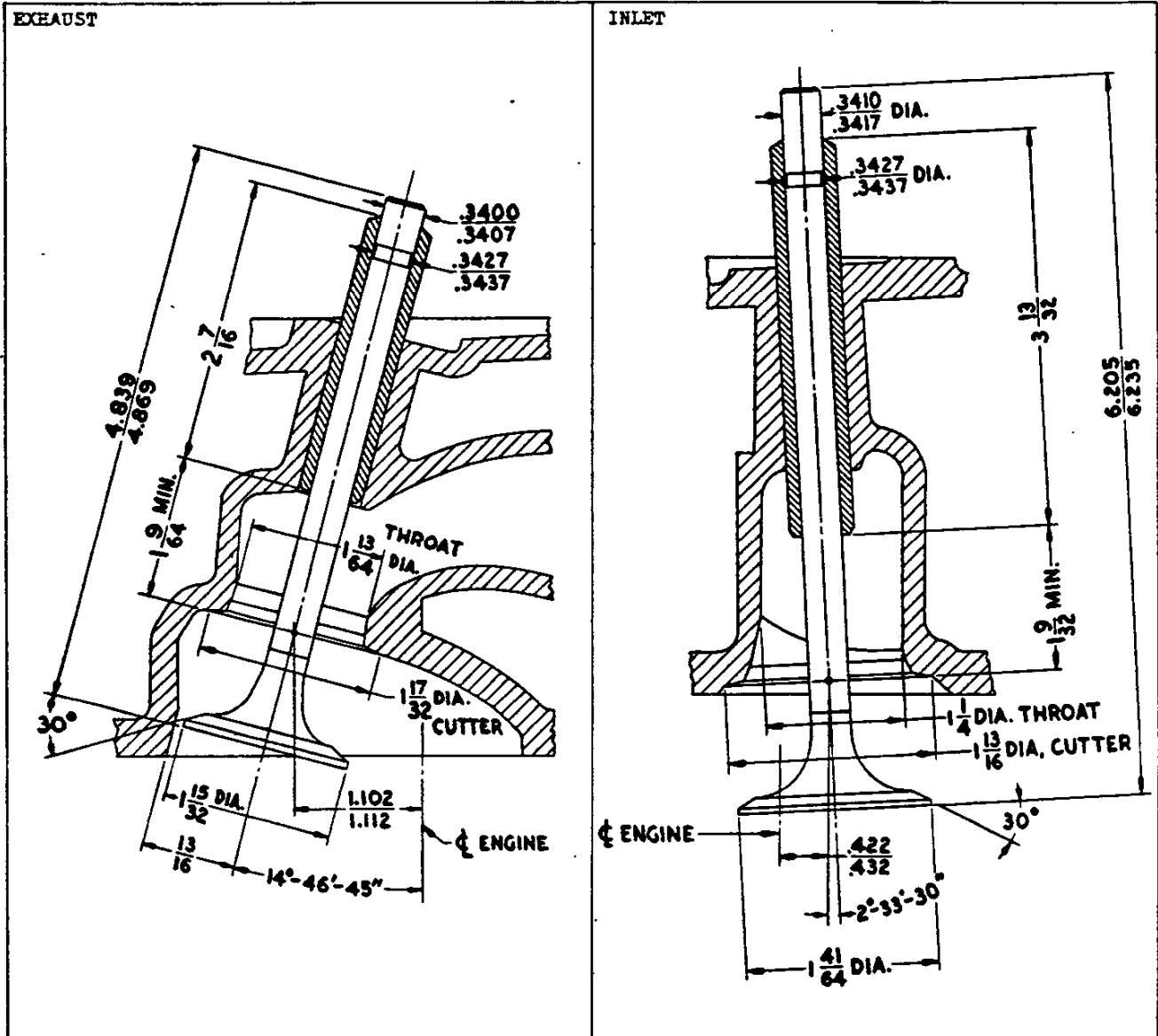
Type Rod clamps piston pin
 Material Drop forged steel
 Rod width at piston pin 1-1/8
 Crank pin bearings:
 Type Centrifugally cast
 Diameter 2.3135-2.3140
 Length 1-1/2
 Material Babbitt
 Finish Precision bored
 Clearance on diameter Selective fit

Total crank pin bearing area:

Projected 20.71 square inches
 Circumferential 65.06 square inches
 Assembly weight 1.92 pounds
 Upper end weight42 pound
 Lower end weight 1.50 pounds
 Total rotating weight (weight of lower end x 6 connecting rods) 9.00 pounds
 Assembly center of gravity .5.322 from wrist pin
 End play004-.012



VALVE TRAIN



VALVES

Material Extruded steel
 Stem end style Grooved for cup and cone
 Lift-exhaust valve3118
 -inlet valve2941
 Lash-exhaust valve013 hot
 -inlet valve006 hot
 Distance between valve centers (measured along
 centerline of engine) 1-21/32

TAPPETS

Type Cylindrical
 Material Cast alloy iron
 Outside diameter989-.990
 Lift-exhaust valve2111
 -inlet valve1991
 Clearance Selective fit

VALVE STEM GUIDES

Type Removable
 Clearance with stem Selective fit

VALVE ROCKER ARMS

Material Malleable iron casting
 Ratio 1.477:1

VALVE SPRINGS - LENGTH AND PRESSURE

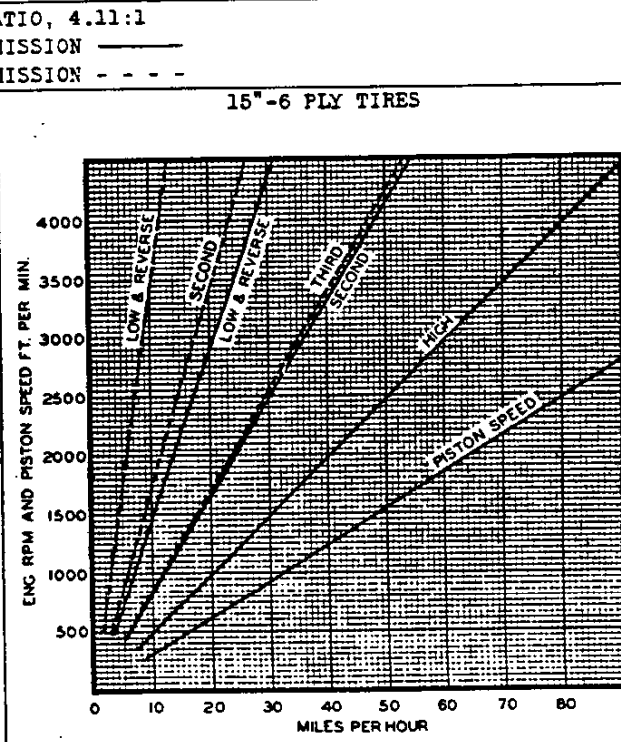
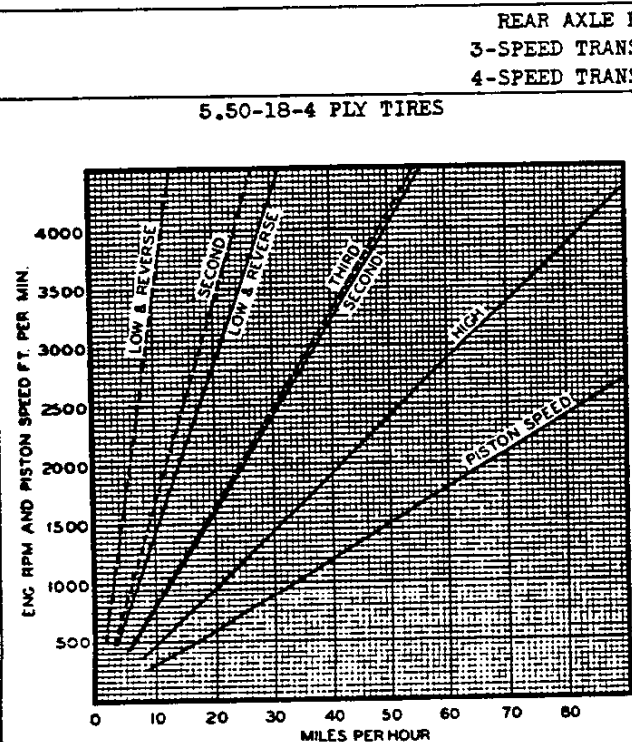
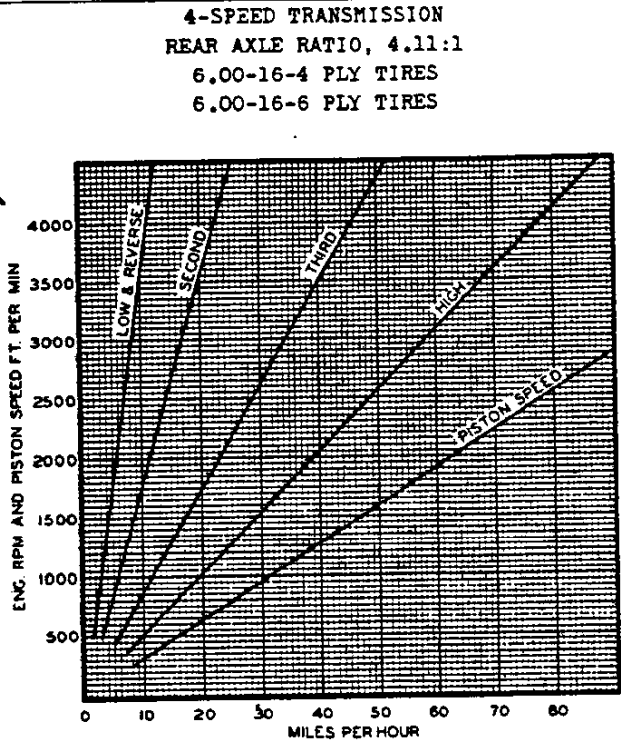
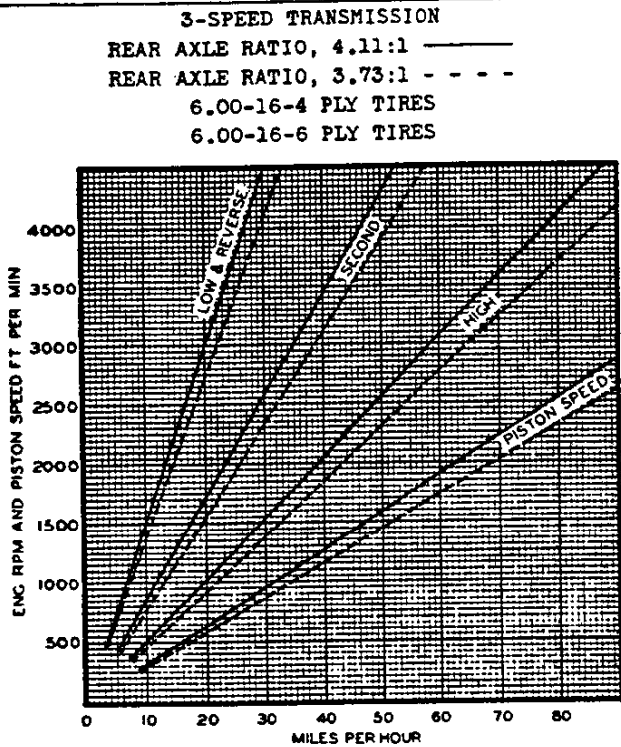
Valve closed 1-13/16 at 55 pounds
 Valve open 1-1/2 at 128 pounds

VALVE SEATS

Material Cast alloy iron (cylinder head)
 Cooling Jets of water under pressure
 Width in head-exhaust valve062-.093
 -inlet valve035-.060

ENGINE AND PISTON SPEEDS

PASSENGER AND COMMERCIAL CARS
AND LIGHT DELIVERY TRUCKS

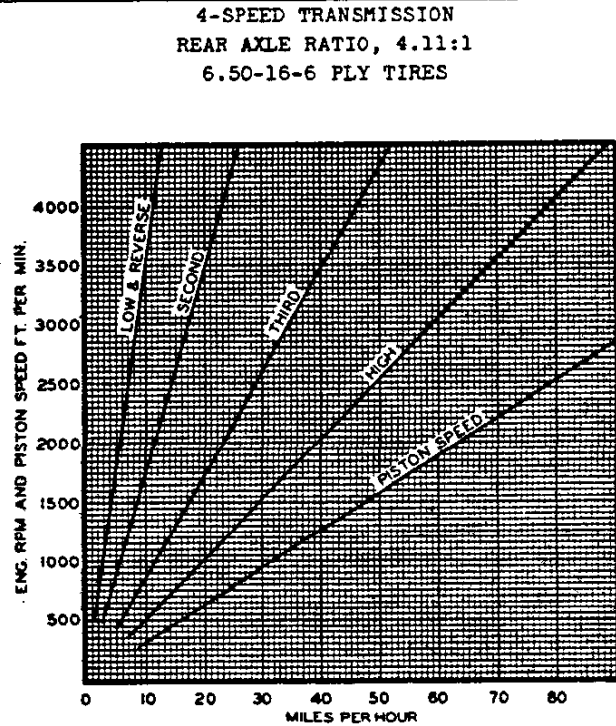
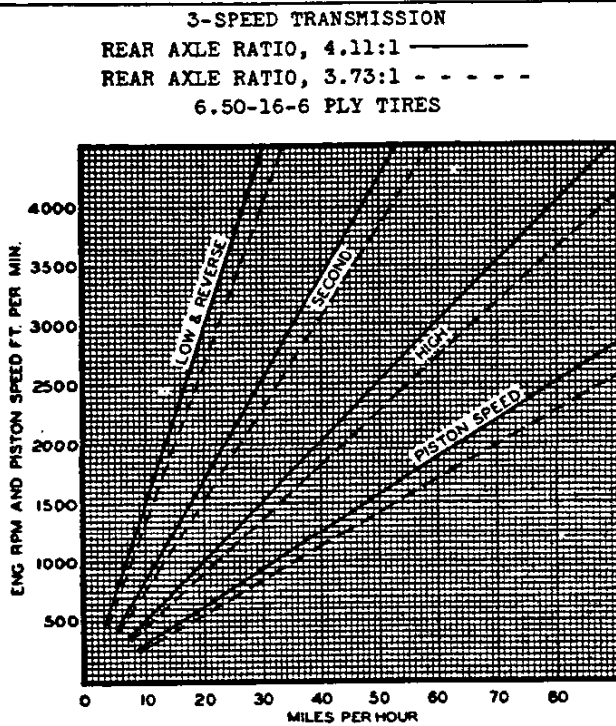


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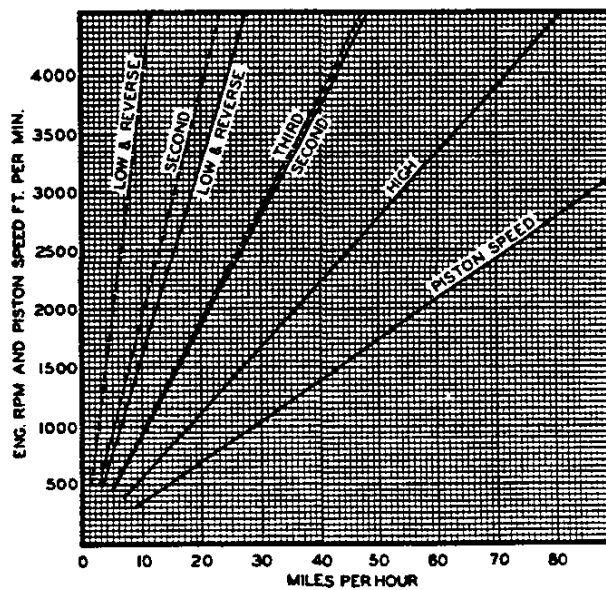
ENGINE AND PISTON SPEEDS—Continued

PASSENGER AND COMMERCIAL CARS
AND LIGHT DELIVERY TRUCKS



DUBL-DUTI PACKAGE DELIVERY

REAR AXLE RATIO, 4.55:1
 3-SPEED TRANSMISSION ———
 4-SPEED TRANSMISSION - - - - -
 6.50-16-6 PLY TIRES



CONTINUED

FUEL SYSTEM												
ITEM	PASSENGER AND COMMERCIAL CARS			DUBL-DUTI TRUCK	LIGHT DELIVERY TRUCKS		3/4 TON TRUCKS AND 3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT		3/4 TON SPECIAL, ONE TON AND CONVENTIONAL HEAVY DUTY TRUCKS		SCHOOL BUS CHASSIS	CAB-OVER-ENGINE TRUCKS
	Business Coupe, Coupe Pickup, Sedan Delivery	All other types			Chassis and cab Pickup	All other types	Chassis and cowl Panel	All other types	Chassis and cowl	All other types		
Fuel tank	Mounting	Clamped to underside of underbody		Clamped inside right side rail	Clamped to floor under seat	Clamped inside right side rail		Clamped to cab floor under seat	3-point mounting to frame at seat position	Clamped to floor under seat	Clamped outside right side rail	
	Type	Two stamped pans, seam-welded together										
	Cap.	16 gallons			18 gal.	16 gal.	18 gallons*				20 gal.	18 gal.
	Filler location	Ahead of right rear fender	On right rear fender	Behind right side door	At cab right rear corner	Behind right side door	At cab right rear corner	At right side of chassis	Behind right side door	At right side of chassis		
Fuel pump	Make	AC Spark Plug										
	Model	AF										
	Type	Mechanical										
	Drive	From camshaft										
	Arm throw	1/4 at camshaft										
	Air dome	Yes (Inlet and outlet)										
	Filter	20 mesh screen on dome										
Carburetor	Make	Carter										
	Model	W1-4835	BBl-517S	W1-4835						BBl-517S		
	Type	Single adjustment down-draft	Single adj. up-draft	Single adjustment down-draft						Single adj. up-draft		
	Size	1-1/4										
	Float level	When closed, top of float measures 1/2" below finished surface of cover.										
Air cleaner	Make	AC Spark Plug										
	Regular	With silencer and flame arrester	Special 8-louver type	With flame arrester							Oil bath type	
	RPO	Reg. truck type		With flame arrester and oil bath (1 pound capacity)								
		With flame arrester and oil bath (2 pound capacity)		With flame arrester and oil bath (2 pound capacity)								
Fuel gauge	AC (electric)											
Octane selector	Manual type, 20° Vernier adjustment											

* - 20 gallon, side-mounted tank RPO for 160 WB Heavy Duty chassis with flat face cowl.

EXHAUST SYSTEM			
ITEM		PASSENGER AND COMMERCIAL CARS	TRUCKS AND SCHOOL BUSES
Muffler	Type	Diffusion and resonance with reverse flow	
	Size	5-1/16 x 7-5/16 (oval) x 18 long	5-1/16 diameter x 21 long
	Mounting	Single point rubber	Single point
Exhaust pipe diameter		1-7/8	
Tail pipe diameter		1-3/4	

COOLING SYSTEM					
ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT DELIVERY, DUEL-DUTI, AND 3/4 TON TRUCKS AND 3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT	3/4 TON SPECIAL, ONE TON AND CONVENTIONAL HEAVY DUTY TRUCKS AND SCHOOL BUSES	CAB-OVER-ENGINE TRUCKS	
Capacity (quarts)	15	14		16*	
Radiator core	Make and type	Harrison, ribbed cellular			
	Material	All copper			
	Size	.20 x .560 x 2	.25 x .560 x 2	.20 x .560 x 2	.20 x .560 x 3
	Frontal area	374 square inches	405 square inches		
Radiator hose	Type	Reinforced rubber. Outlet consists of two hose joined by steel tube.			
	Location	Inlet	From cylinder head to core		
		Outlet	From core to water pump		
	Size	Inlet	1/4 ID x 6-3/4 (Special molded hose for passenger and commercial cars)		
Outlet		Two hose: 1-1/2 ID x 4-7/16			
Water thermostat	Make and type	Harrison. Bellows operating poppet valve			
	Location	In cylinder head outlet			
	Valve action	Valve starts to open at 140° to 147° F. and is fully open at 170° F., 29" Hg. barometric pressure.			
Engine fan	Type	Four staggered blades			
	Diameter	15-3/4 (16-1/4 with 3.73:1 axle)	18		
	Pulley size	28° V x 4-21/64 diameter			
	Fan to engine speed ratio	1.393:1			
	Fan belt	Material	One-piece vulcanized fabric		
		Size	11/16 maximum width x 42-7/8 around outside		
Water pump	Type and drive	Centrifugal, by fan belt			
	Location	On front of cylinder and case			
	Capacity	47 gallons per minute at 4000 engine RPM			
	Impeller type	Vane			
	Bearing	See BEARINGS, page 78			
	Seal	Material	Molded rubber sealed with rubber cement		
Adjust.		Automatic, by spring tension			

* - RPO (with a shroud) for all conventional trucks and school buses above 1-1/2 ton capacity.

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ENGINE ELECTRICAL SYSTEM

ITEM	PASS- ENGER AND COM- MERCIAL CARS	LIGHT COMMERCIAL TRUCKS				ONE TON AND CONVENTIONAL AND COE HEAVY DUTY TRUCKS AND SCHOOL BUSES	
		LIGHT DELIVERY	DUBL- DUTI PACKAGE DELIVERY	3/4 TON	3/4 TON WITH HEAVY DUTY EQUIPMENT AND 3/4 TON SPECIAL		
GENERATOR	Make and type		Delco Remy-Shunt				
	Part number		#1102667				
	Rated voltage		6 to 8				
	Ventilated by		Fan built into generator pulley	Separate 12-blade fan	Fan built into generator pulley		
	Driven by		"V" belt				
	Generator Type		28° V				
	pulley Diameter		3-11/32	2-27/32	3-11/32		
	Speed ratio (generator to engine)		1.83:1	2.17:1	1.83:1		
	Generator RPM per MPH		93.5	122.5	100.1	90.4	114.7
	Maximum charging rate-cold (72° F.)	Amperes	38 to 40		38 to 40		
		Voltage	7.3 to 7.7		7.3 to 7.7		
	RPM (generator)		2400		2400		
		Car speed (MPH)	25.5		24	26.5	21
	Maximum charging rate-hot (150° F.)	Amperes	34 to 36		34 to 36		
		Voltage	7.2 to 7.4		7.2 to 7.4		
RPM (generator)		2400		2400			
	Car speed (MPH)	25.5	13	24	26.5	21	
Brush tension		25 ounces					
Rotation (drive end)		Clockwise					
Bearings	Commutator end	Bronze bushing					
	Drive end	See BEARINGS, page 78					
VOLTAGE AND CURRENT REGU- LATOR	Make and type		Delco Remy - Vibrator				
	Part number		#1118201	#1118233	#1118201		
	Cut out	Voltage at closing	6.2 to 6.7				
	Armature speed		800 RPM	700 RPM	800 RPM		
		Car speed at closing RPM	8.5	5.7	8	9	7
Amperes to open		0 to 4					

IGNITION SYSTEM

Type Separate units, high tension distributor ground return system
 Ignition lock type Key operated lock switch with armored cable from coil to switch.

STARTING MOTOR

Make Delco Remy
 Model ... Pass. cars, #1107047; Trucks, #1107054
 Type of drive Mechanical
 Rotation (commutator end) Counter-clockwise
 Bearings-commutator end Cast iron
 -drive end .. Graphite lubricated bushing
 Lock test-amperage draw 525
 -volts 3.4
 -torque 12 foot pounds
 No load test-amperage draw 65
 -volts 5
 -RPM 5000
 Pinion meshes On front of flywheel

Pinion teeth 9
 Flywheel teeth 139 (1/2 wide, 13.9 pitch diameter)
 Pinion to flywheel ratio 15.44:1
 Normal engine cranking speed 65 RPM
 Starter Direct foot-actuated control
 Starter to throttle connection Lug on cross shaft engages accelerator shaft (passenger and commercial cars only).

COIL

Make Delco Remy
 Part number #1115141
 Location Engine right side
 Amperes drawn-engine stopped 4.5
 -engine idling 2.5

DISTRIBUTOR

Make Delco Remy
 Part number #1110090

CONTINUED



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8



ENGINE ELECTRICAL SYSTEM—Continued

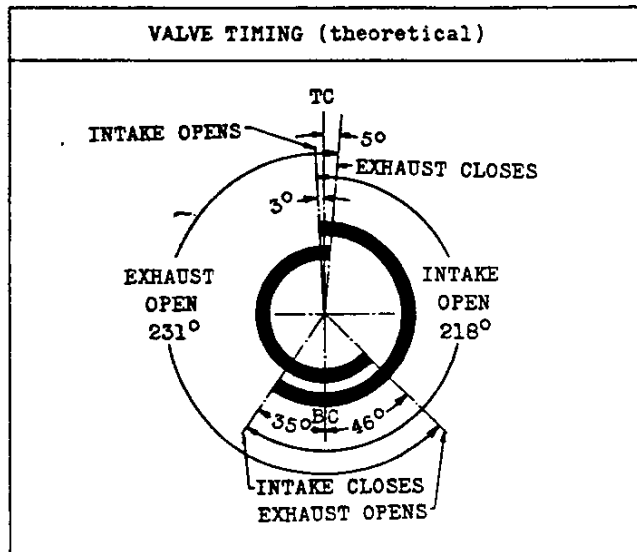
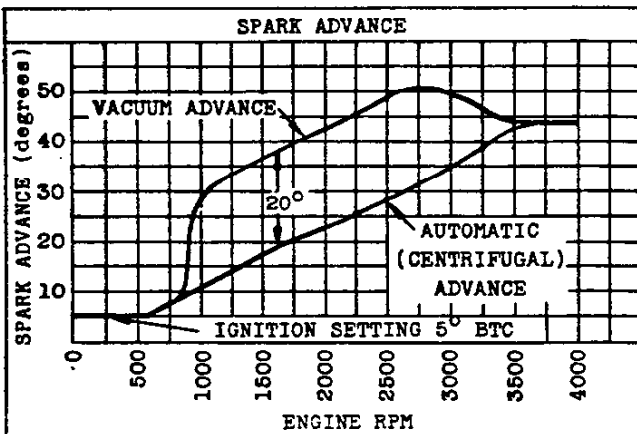
DISTRIBUTOR - Continued

<p>Current source Generator or battery</p> <p>Spark control type Full automatic</p> <p>Spark advance-vacuum 20 degrees</p> <p style="padding-left: 20px;">-automatic ... 32.5 to 39.5 degrees</p> <p>Vacuum control part number #1116033</p> <p>Breaker point opening018</p> <p style="padding-left: 20px;">Cam angle 39 degrees</p> <p>Breaker point polarity reversing switch location</p>	<p>..... On top of starting motor</p> <p>Bearing material Cast iron</p> <p>Condenser (service) part number #1832239</p> <p style="text-align: center;">SPARK PLUGS</p> <p>Make AC Spark Plug</p> <p>Size 104</p> <p>Thread size 10 millimeters</p> <p>Recommended gap040</p>
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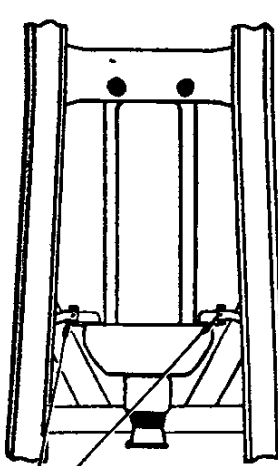
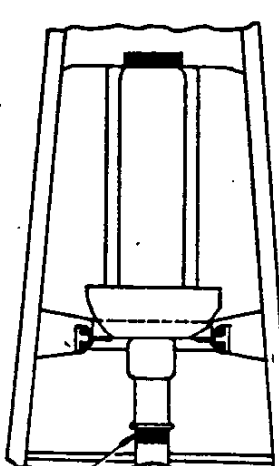
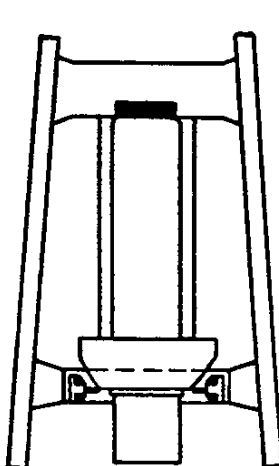
ENGINE TIMING

Timing spark advance 5 degrees before top center

Firing order 1-5-3-6-2-4



POWER PLANT MOUNTINGS

PASSENGER AND COMMERCIAL CARS	LIGHT DELIVERY AND DUBL-DUTI TRUCKS	ALL OTHER TRUCKS AND SCHOOL BUSES
<p>Type: 5-point rubber, cushion balanced</p>  <p style="text-align: center;">Torque reaction supports</p>	<p>Type: 4-point rubber, cushion balanced</p>  <p style="text-align: center;">Torque tube brake and driving reaction support</p>	<p>Type: 3-point rubber, cushion balanced</p> 

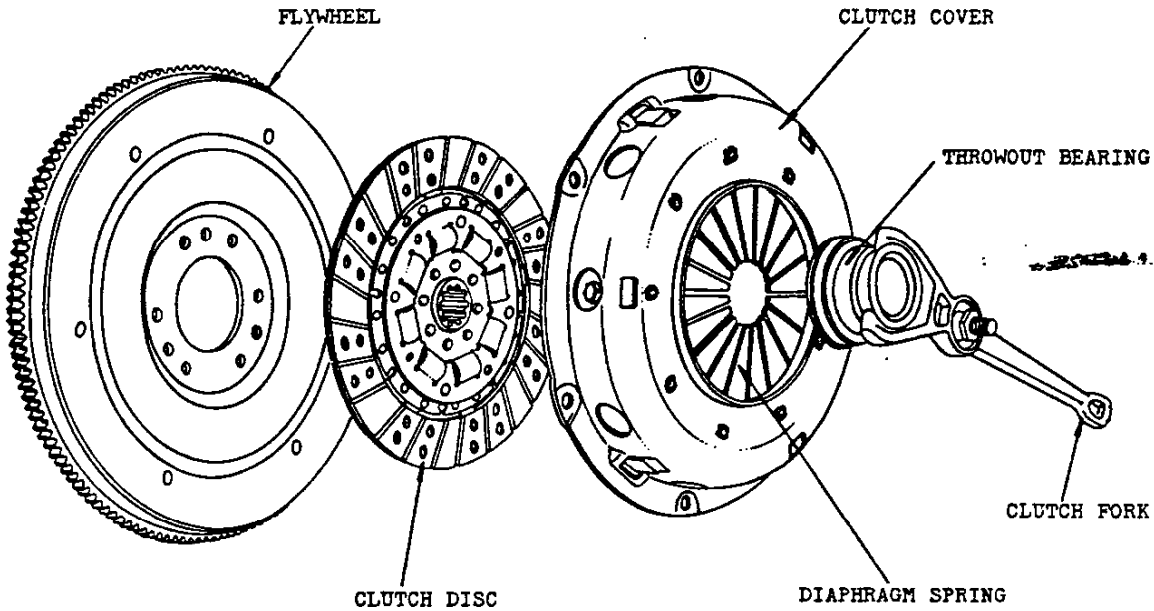
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2

3

4

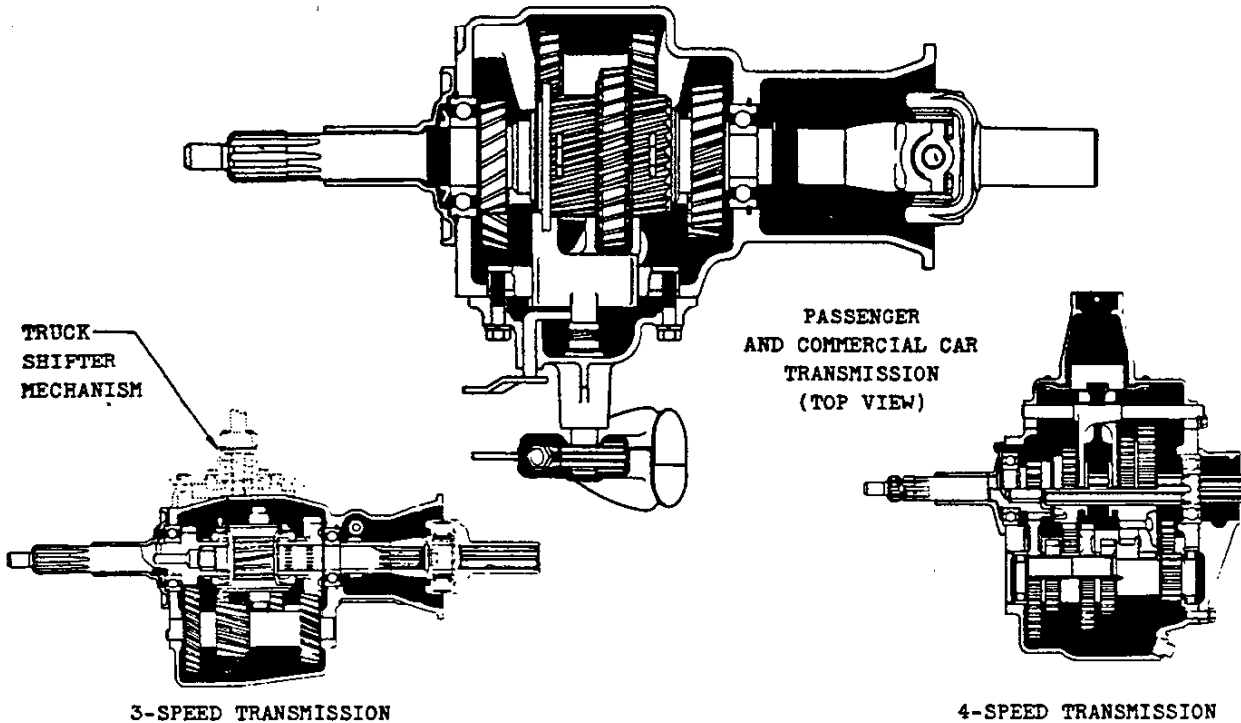
CLUTCH



Passenger car clutch illustrated.

ITEM		PASSENGER AND COMMERCIAL CARS AND LIGHT DELIVERY AND DUBL-DUTI TRUCKS		ALL OTHER TRUCKS AND SCHOOL BUSES	
		REGULAR	RPC		
Type		Single dry plate			
Rated torque capacity		200 foot pounds			
Nominal size		9-1/8	10-3/4		
Drive		Through radial lugs			
Diaphragm spring	Pressure	1100 to 1225 pounds	1200 to 1250 pounds		
	Material	Spring steel, heat treated			
	Pressure levers	18, integral with spring			
Discs	Driving	Flywheel and pressure plate			
	Driven-number	One			
	Vibration insulation	8 cushion springs at hub	6 cushion springs at hub		
	Facing	Material	Asbestos composition (woven and formed)		
		Outside diameter	9-1/8	10-3/4	
		Inside diameter	6-1/8	7	
Area		71.86 square inches	104.6 square inches		
Thickness	.132-.138	.137-.143			
Bearings	Throwout	Type	Special ball - mounted on sleeve		
		Lubrication	Packed for life		
	Pilot	Type	See BEARINGS, page 78		
		Lubrication	Packed for life		
Controls	Clutch fork type	Drop-forged (pivot mounted on ball)			
	Pedal mounting	On brake main cylinder	On clutch housing		
Flywheel	Material	Cast iron			
	Weight (with ring gear)	30 pounds			
	Ring gear type	Steel, shrunk on			
	Ring gear teeth	See STARTING MOTOR, page 66			
Attachment to flywheel		6 bolts	9 bolts		

TRANSMISSION



ITEM		PASSENGER AND COMMERCIAL CARS	LIGHT DELIVERY, DUBL-DUTI, 3/4 TON AND 3/4 TON HDE TRUCKS	3/4 TON SPECIAL, ONE TON HEAVY DUTY CONVENTIONAL AND CAB-OVER-ENGINE TRUCKS AND SCHOOL BUSES*
Transmission location		In unit with engine		
Type		Selective synchro-mesh		Conventional
Shift type		Standard H		
Number of speeds		3 forward, 1 reverse		4 forward, 1 reverse
Gears type		Helical		Spur
Synchronous meshing gears		Second and third		
Input torque capacity		200 foot pounds		
Gear ratios	First	2.94:1		7.06:1
	Second	1.68:1		3.48:1
	Third	Direct		1.71:1
	Fourth			Direct
	Reverse	2.94:1		6.98:1
Bearings or bushings	Reverse idler bushing	Number	2	
		Material	Bronze	Brass
		Size	.7515-.7525 ID x 3/4	.8772-.8782 ID x 1-1/2
	Main shaft bearings	See BEARINGS, page 78		
		Counter shaft bearing or bushing	Material	Bronze
	Size		.8772-.8782 ID x 1-1/4	1/8 x 3/4 rollers
	Clutch gear bearing	See BEARINGS, page 78		
Second speed gear turns on main shaft	Material	Steel, hardened		
	Size	1.062-1.063 ID x 1-3/4		
Power take-off	Type			6-bolt (SAE standard)
	Location			On left side
	Speed at 1000 engine RPM			425 RPM
	Meshing gear teeth			33
Lubricant capacity (pints)		1-1/2		5-1/2

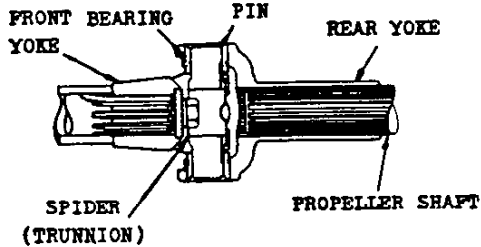
* - RPO for Light Delivery, Dubl-Duti, and 3/4 Ton trucks and 3/4 Ton trucks with heavy duty equipment.

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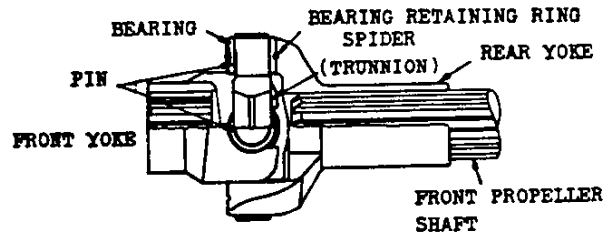
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UNIVERSAL JOINTS AND PROPELLER SHAFTS

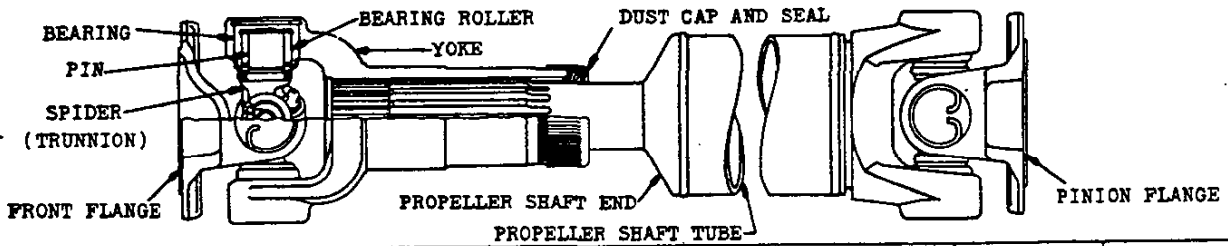
UNIVERSAL JOINT - PASSENGER AND COMMERCIAL CARS, AND LIGHT DELIVERY AND DUEL-DUTI TRUCKS



FRONT UNIVERSAL JOINT - 3/4 TON TRUCKS AND 3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT



REAR PROPELLER SHAFT AND UNIVERSAL JOINTS
(ALL TRUCKS OF 3/4 TON CAPACITY AND ABOVE, AND SCHOOL BUSES)



ITEM	PASSENGER AND COMMERCIAL CARS	LIGHT DELIVERY AND DUEL-DUTI TRUCKS	3/4 TON AND 3/4 TON HDE TRUCKS	109 COE	3/4 TON SPECIAL, ONE TON, 134-1/2 COE AND 132-1/2 COE TRUCKS	160 CHD AND 158 COE TRUCKS AND 160 SB	195 SCHOOL BUS	
UNIVERSAL JOINTS	Type		Yoke and spider					
	Number		1	3	4			
	Trunnion matl.		Drop-forged steel, hardened					
	Pin diameter	Front	.684-.685	.716-.717				
		Center			.7385-.7390			
		Rear						
	Type	Front	Bushing					
		Center			Needle bearing			
		Rear						
	Dia-meter	Front	.687-.688 (inside)	.718-.719ID				
Center				.09550-.09575 (outside)				
Rear								
Effective length	Front	17/32	21/32					
	Center			.580 minimum				
	Rear							
PROPELLER SHAFTS	Number		1	2	1	2	3	
	Type	Front			Solid	Tubular		
		Center					Tubular	
		Rear					Tubular	
	Outside diameter	Front			1-1/4-1-3/8	2.495-2.500		
		Center					2.495-2.500	
		Rear	1.995-2.005	2.055-2.065	2.995-3.000	2.495-2.500		
	Wall thickness	Front			Solid	.080-.085		
		Center					.080-.085	
		Rear	.063-.067	.093-.097			.080-.085	
	Ends type	Front	Front			Universal joint		
		Center	Front			Splined		
		Rear	Front					U-joint
			Rear					Splined
		Rear	Front	Splined		Universal joint		
Rear			Splined		Splined			



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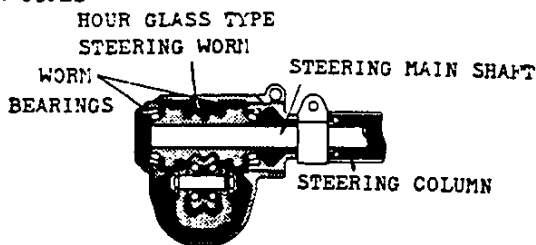
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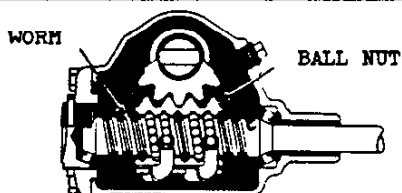


STEERING GEAR

SECTOR TYPES

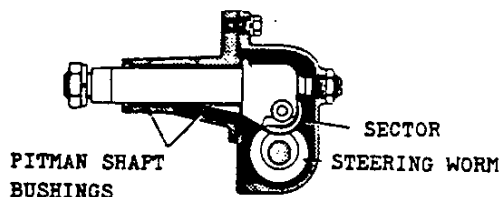


PASSENGER AND COMMERCIAL CAR TYPE

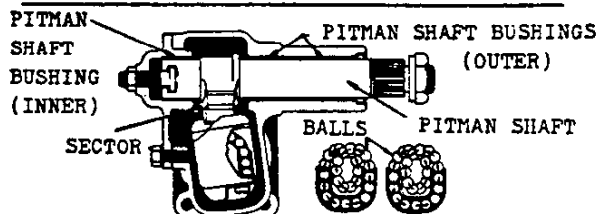


TRUCK AND SCHOOL BUS TYPE

SECTOR MOUNTING



PASSENGER AND COMMERCIAL CAR OVERHUNG TYPE



TRUCK AND SCHOOL BUS STRADDLE-MOUNTED TYPE

ITEM	PASSENGER AND COMMERCIAL CARS		ALL CONVENTIONAL TYPE TRUCKS AND SCHOOL BUSES	CAB-OVER-ENGINE TRUCKS
	FLEET-MASTER	STYLE-MASTER		
Type	Semi-reversible			
Ratio	17.5:1		19.8:1	23.6:1
Worm bearing	See BEARINGS, page 78			
Roller sector bearing	See BEARINGS, page 78			
Pitman shaft bushings	Material		Bronze	
	Outer	Inside diameter	1.125-1.126 (2)	1.1245-1.1250 (2)
		Length	1-1/2 (2)	1-3/8 (2)
	Inner	Inside diameter	1.1255-1.1260	
Length		27/32		
Pitman shaft diameter	1-1/8		1-1/4	
Pitman arm type	2-piece, rubber-insulated		1-piece	
Main shaft diameter	3/4		1	
Column diameter	1-1/2		1-3/4	
Steering wheel	Type	2-spoke	3-spoke	4-spoke
	Material	Hard rubber and steel		
	Diameter	17-1/4	17	18

TURNING DIAMETERS

Nominal figures based on tests made at General Motors Proving Ground.

	MODEL	A (feet)		B (feet)	
		RIGHT	LEFT	RIGHT	LEFT
		Passenger and Commercial Cars	41	39	43
Light Delivery and Dubl-Duti Trucks	39	40	42		
Light Trucks	3/4 Ton	43		45	
Commercial Trucks	3/4 Ton with Heavy Duty Equipment	47		49	
	3/4 Ton Special	47		49	
134-1/2 WB One Ton and Conv. Heavy Duty Trucks		52		54	
160 WB Conventional Heavy Duty Trucks		56	60	58	62
School Buses	160 WB				
	195 WB				
Cab-Over-Engine Trucks	109 WB	40	41	43	44
	132-1/2 WB	47	48	50	51
	158 WB	55	57	58	59

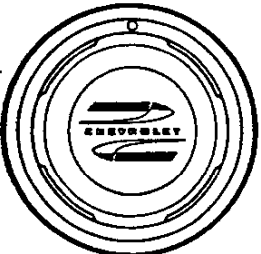
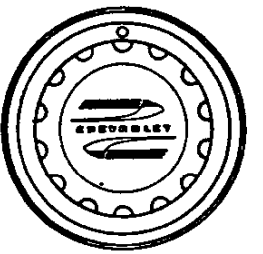
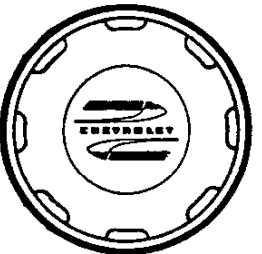
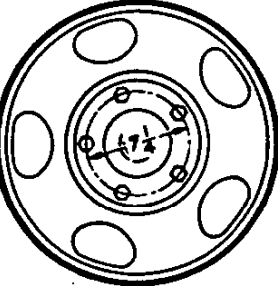


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WHEELS

PASSENGER AND COMMERCIAL CARS, LIGHT DELIVERY AND DUBL-DUTI TRUCKS	3/4 TON TRUCKS	3/4 TON TRUCKS WITH HEAVY DUTY EQUIPMENT AND 3/4 TON SPECIAL TRUCKS	ONE TON AND HEAVY DUTY TRUCKS AND SCHOOL BUSES
			
Attachment to hub: 6 (7/16-20) bolts. Bolt circle diameter, 5-1/2.			Attachment to hub: 8/16-18 bolts (5 front, 10 rear)

TIRES

Tire make: U.S., Goodrich, or Firestone. Tire specifications are based on U.S. Rubber Co. standards.

MODEL	TIRE SIZE	FRONT TIRES		REAR TIRES			WHEEL RIM SIZE	WHEEL OFFSET	DISC THICKNESS AT HUB			
		LOAD PER TIRE AT MINIMUM PRESSURE (pounds)	TIRE AT MINIMUM PRESSURE (pounds)	RECOM-MENDED PRESSURE (pounds)	LOADED RADIUS ROLLED	LOADED REVS. PER MILE						
Passenger and Commercial Cars	6.00-16-4 ply Reg.	875 at 26	915	28	13.52	746	16x4.00E	9/16				
	6.00-16-6 ply RPO	915 at 28	955									
	6.50-16-6 ply RPO	1050 at 28	1095	30	13.70	736				16x4.50E		
	5.50-18-4 ply RPO	880 at 28	940		14.37	702				18x4.00F		
Light Delivery Trucks	6.00-16-4 ply Reg.	915 at 28	990	32	13.52	746	16x4.00E	9/16				
	6.00-16-6 ply RPO	955 at 30	1130									
	6.50-16-6 ply RPO	1095 at 30	1290	40	13.70	736				16x4.50E		
	5.50-18-4 ply RPO	880 at 28	1000	32	14.37	702				18x4.00E		
Dubl-Duti Package Delivery	15"-6 ply RPO	1200 at 20	1200-1500	20-35	13.98	721	15x5.50F	0				
	6.00-16-6 ply Reg.	955 at 30	1130	40	13.52	746	16x4.00E	9/16				
	6.50-16-6 ply RPO	1095 at 30	1290									
3/4 Ton Trucks	15"-6 ply RPO	1200 at 20	1200-1500	20-35	13.98	721	15x5.50F	0				
3/4 Ton Trucks with HDE	7.00-17-6 ply Reg.	1425 at 40	1550	45	15.49	651	17x6 (4.33R)	9/16				
	7.50-17-8 ply RPO	1650 at 40	2000	55	15.83	637						
	3/4 Ton Special Trucks	7.00-17-6 ply Reg.	1425 at 40	1550	45	15.49				651		
One Ton and Heavy Duty Trucks and School Buses (See next page for tire combinations)	7.00-17-8 ply RPO	1650 at 40	2000	55	15.83	637	20x5 (3.75P)	4-1/8				
	6.00-20-6 ply	1225 at 40	1400	50	15.92	633						
	6.00-20(30x5)8 ply	1400 at 50	1700	70	15.73	641						
	6.50-20-6 ply	1500 at 40		50	16.52	610						
	6.50-20(32x6)8 ply	1700 at 50	1950	65	17.03	592				20x6 (4.33R)	4-1/2	5/16§
	7.00-20-8 ply	1625 at 40		55								
	7.00-20(32x6)10 ply	1950 at 55	2250	70	17.15	588						
	7.50-20-8 ply	1875 at 40		55								
	7.50-20(34x7)10 ply	2250 at 55	2700	75	18.27	552				5-1/4@	7/16	
8.25-20-10 ply	2175 at 40	2750	60									

* - 5-1/4 offset with 2-speed and single speed heavy duty rear axles.

@ - 5-1/4 offset used only with 2-speed and single speed heavy duty rear axles.

§ - 7/16 for 5-1/4 offset wheel.



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BATTERY AND LIGHTS

ITEM	PASSENGER AND COMMERCIAL CARS		TRUCKS	SCHOOL BUSES
			CONVENTIONAL	COE
Battery	Make and model		Delco 15X3	
	Length		9	
	Width		7	
	Height		8-5/8	
	Volts and ampere hour capacity		6, 100	
	Charging rate (bench)		5.25 amperes constant current rate	
	Cell arrangement		3, side to side	
	Plates per cell		15	
	Terminal grounded		Negative	
	Location		At right side, under hood	
Head-lamps	Type and location		At right side, on frame	
	Sealed beam unit diameter		Sealed beam (in fender)	
	Bulb		Sealed beam (on top of fender)	
	Type		7.032 maximum. Lens diameter 6-11/16	
	Watts		2 filament	
	Dimmed by		45, upper beam; 35, lower beam	
	Beam		Depressed beam, operated by foot switch	
	Indicator		Size and candle power	
Parking lamps	Location		#51, 1	
	Bulb size and candle power		1 (None on flat face cowl)	
Tail and stop lamp	Location		In fenders	
	Bulb size and candle power		On top of headlamps	
	Number used		#63, 3	
	Type		2 (1 on Station Wagon and Sedan Delivery)	
	Bulb size and candle power		1	
Rear license bulb size and candle power @	Type		Combination	
	Tail lamp*		#1154, 3; Station Wagon and Sedan Delivery #63, 3	
	Stop lamp*		#1154, 3; Station Wagon and Sedan Delivery #87, 15	
Stop lamp switch		Mechanical, on toe board		
Rear license bulb size and candle power @		Hydraulic, on brake main cylinder		
Instrument cluster		#63, 3		
Number of bulbs		2		
Size and candle power		#55, 1-1/2		
Speedometer		#55, 1-1/2 (flat face cowl #51, 1)		
Number of bulbs		2		
Size and candle power		#55, 1-1/2		
Ignition lock lamp		See "Instrument cluster"		
Bulb size and candle power		#55, 1-1/2 (None on flat face cowl)		
Glove compartment and clock bulb size and candle power		#55, 1-1/2		
Dome lamp	Used in		All	
	Bulb size and candle power		Carryall and Panels	
	Switch locations		Carryall Suburban	
	Manual		#82, 6; Station Wagon #87, 15	
Automatic		#87, 15; Panels #82, 6		
In right door pillar. (In lamp on Station Wagon. At rear seat on Cabriolet.)		To rear of left door pillar. On instrument panel for Dubl-Duti.		
In left door pillar on Fleetmaster except Station Wagon				
Fuse	Type and amperes		SFE cartridge, glass enclosed, 30	
	Location		On light switch	
Horn	Make and type		Delco-Remy, vibrator	
	Number used		2	
	Ampere draw		1	
	Location		Fleetmaster 40 per pair. Sportmaster and Commercial Cars 20 per pair	
Behind radiator grille		10		
Left side of engine on intake manifold. On top of right side member for Dubl-Duti				

* - Coupe Pickup has additional tail and stop lamp combination with #1154, 3 c.p. tail lamp bulb and #87, 15 c.p. stop lamp bulb. @ - License illuminated by tail lamp on Station Wagon, Sedan Delivery and Coupe Pickup. 9-30-41



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BEARINGS

ITEM		PART NUMBER	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH	A	B	C	D	E	F	G	H
Front Wheel	Inner	N.D. 909352	Cup and cone	1.2810-1.2815	2.9625-2.9635	1.135 - 1.155	2	2	2	2				
		N.D. 909026		1.4060-1.4065	3.1491-3.1501	1.216 - 1.236					2			
		@ Hy. 173241	Bar'l R.	1.5625-1.5630	3.1250-3.1256	1.230						2	2	2
	Outer	N.D. 909001	Cup and cone	.7498 - .7503	2.0795-2.0805	.698 - .718	2	2	2	2				
		N.D. 909025		.8435 - .8440	2.2495-2.2505	.780 - .800					2			
		@ Hy. 173238	Bar'l R.	.9370 - .9375	2.3437-2.3443	.800						2	2	2
King Pin Thrust	Ch. 373476	Ball		.868 - .893	1-5/8	.5575 - .5675	2	2	2	2				
	Ch. 365309			.9225 - .9475	1-23/32					2				
	@ Tim. 121461	Roller	1.1310-1.1390	2.1875-2.1885	.620 - .630						2	2	2	
Steering Gear	Worm thrust	Sag. 261866	Taper R.		1.7500-1.7505	.373 - .377	2							
		Hy. 179290	Barrel			.390		2	2	2	2			2
		Hy. 178479	Roller		2.1875-2.1880	.420						2	2	
	Sector roller	Sag. 262605	Ball	.4370 - .4375		1.030 - 1.034	1							
		Sag. 266800	Recirculating Ball Bearing - 9/32 diameter ball					1	1	1	1	1	1	1
	Steering column	Sag. 264387	Special Ball Bearing					1	1	1	1			1
	Sag. 262288										1	1		
Generator	N.D. 903203	Ball	.6689 - .6693	1.5743-1.5748	.4724	1	1	1	1	1	1	1	1	
Water Pump	N.D. 954252			1.1806-1.1811	1-21/32	1	1	1	1	1	1	1	1	
Clutch Release	N.D. 909422	Special Double Row Ball Bearing and Sleeve					1	1	1	1	1	1	1	
	Hy. 142655	Roller	.5895 - .5900	1.0910-1.0920	.701 - .721	1	1	1	1	1	1	1	1	
Transmission	Clutch gear	N.D. 954141	Ball	1.3775-1.3780	2.8340-2.8346	.6643 - .6693	1	1	1					
		N.D. 903209		1.7712-1.7717	3.3457-3.3465	.7430 - .7480				1	1	1	1	1
	Mainshaft, front	Ch. 59C752	Roller	14 rollers	.1873 - .1875	.512 - .527	1	1	1					
		Hy. 141854		12 rollers	.1870 - .1875					1	1	1	1	1
	Mainshaft, rear	N.D. 954168	Ball	.9839 - .9843	2.4403-2.4409	.6643 - .6693	1	1	1					
		N.D. 903307		1.3775-1.3780	3.1490-3.1496	.8218 - .8268				1	1	1	1	1
	Counter-shaft, front	Ch. 591211	Roller	25 rollers	.1248 - .1250	.735 - .750		1	1					
		Hy. 142250		1.4989-1.4994	2.4409-2.4415	.6249 - .6299				1	1	1	1	1
	Counter-shaft, rear	Ch. 591211	Roller	25 rollers	.1248 - .1250	.735 - .750		1	1					
		Hy. 121656		1.7318-1.7323	2.8346-2.8352	.6643 - .6693				1	1	1	1	1
Propeller Shaft	N.D. 954257	Ball	1.3775-1.3780	2.8340-2.8346	.9793 - .9843			1	1	1	1	1	1	
Universal Joint	Ch. 3660967	Roller	27 rollers	.09550-.09575	.625			8	12	12	12	8	12	
Rear Axle	Pinion, front	N.D. 905306	Double	1.1807-1.1811	2.8340-2.8346	1.1825-1.1875	1	1	1	1				
		N.D. 954237	Row Ball	1.9680-1.9685	4.3299-4.3307	1.8710-1.8755					1	1	1	1
		* Ch. 3651518	Taper R.	1.5000-1.5005	3.375 - 3.376	1.1875					1	1	1	
	Pinion, rear	Hy. 125630	Roller	1.8287-1.8291	3.1246-3.1250	.743 - .748	1	1	1	1				
		Hy. 144553		1.1807-1.1811	2.8340-2.8346	.8218 - .8268					1	1	1	1
		* Ch. 3651551	Taper Roller			1.1875					1	1	1	
	2-speed pinion	* Ch. 3651553	Roller	2.0000-2.0005	4.125 - 4.126						1	1	1	
		* Ch. 3651554					1.4375					1	1	1
	Differential	Hy. 127861	Barrel	1.6924-1.6929	2.9523-2.9528	.669	2							
		Hy. 187434		1.7807-1.7812	3.1490-3.1496	.712		2	2	2				
		Hy. 148399	Roller	2.4400-2.4405	3.9362-3.9370	.8268					2	2	2	2
		* Ch. 3651552	Taper R.	2.6250-2.6255	4.4375-4.4385	1.1875					2	2	2	
Axle shaft	Hy. 111119	Roller	1.5769-1.5774	2.4056-2.4062	.742-.750	2								
	Hy. 111121		1.8772-1.8779	2.7812-2.7818	.867-.875		2							
	Hy. 178298					.992 - 1.000			2	2				
Wheel	Inner	Hy. 144527	Barrel	2.6250-2.6255	4.4680-4.4688	.970 - .975					2	2	2	2
	Outer	Hy. 144525	Roller	2.2500-2.2505	3.8750-3.8758	.895 - .900					2	2	2	2
Total number of anti-friction bearings per vehicle (less 2-speed axle)							23	25	34	38	40	40	35	40

A = Passenger and Commercial Cars. B = Light Delivery and Dubl-Duti trucks. C = 3/4 Ton trucks and 3/4 Ton trucks with HDE. D = 3/4 Ton Special trucks. E = One Ton and Heavy Duty Conventional trucks. F = 132-1/2 and 158 WB Heavy Duty COE trucks. G = 109 WB Heavy Duty COE trucks. H = School Buses.
 * - For RPO 2-Speed rear axle. @ - Also for RPO Conventional Heavy Duty front axle. † - One additional on 195 WB School Bus. ‡ - Four additional on 195 WB School Bus.



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