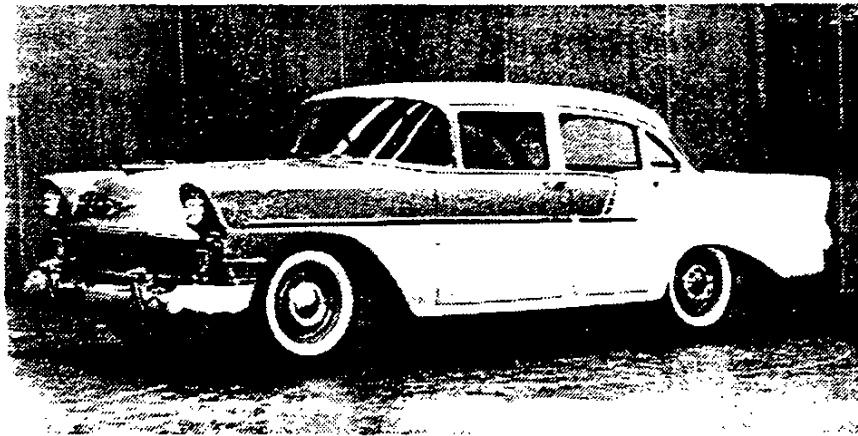




# CHEVROLET



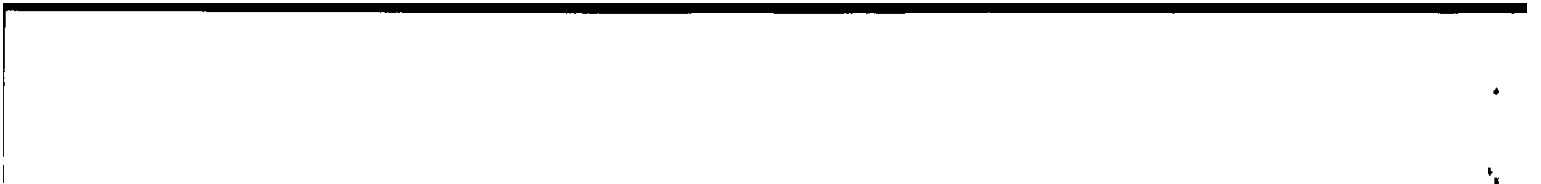
1956 Chevrolet, One-Fifty four-door sedan, V-8 (AA)

**1956**



# **PASSENGER CARS**

ORIGINAL COPY




















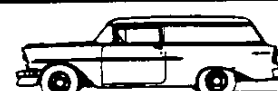


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'



**MODEL IDENTIFICATION**

Name and Description	One-Fifty-Series 1500	Two-Ten-Series 2100	Bel Air-Series 2400
<b>4-DOOR SEDAN</b> 6-passenger, 7-window sedan with luggage compartment in rear			
<b>MODEL</b>	1503; 56-1219*	2103; 56-1019*	2403; 56-1019D*
<b>2-DOOR SEDAN</b> 6-passenger, 5-window sedan with luggage compartment in rear			
<b>MODEL</b>	1502; 56-1211	2102; 56-1011*	2402; 56-1011D*
<b>CLUB COUPE</b> 6-passenger, 2-door 5-window coupe with luggage compartment in rear			
<b>MODEL</b>		2124; 56-1011A*	
<b>UTILITY SEDAN</b> 3-passenger, 5-window sedan with luggage compartment in rear			
<b>MODEL</b>	1512; 56-1211B*		
<b>SPORT COUPE</b> 6-passenger, 2-door 5-window coupe with hardtop; luggage compartment in rear			
<b>MODEL</b>		2154; 56-1037D*	2454; 56-1037D*
<b>CONVERTIBLE</b> 5-passenger, 2-door 5-window coupe with folding top; luggage compartment in rear			
<b>MODEL</b>			2434; 56-1067DTX*
<b>SPORT SEDAN</b> 6-passenger, 4-door, 5-window sedan with hardtop; luggage compartment in rear			
<b>MODEL</b>		2113; 56-1039*	2413; 56-1039D*
<b>STATION WAGON</b> 6-passenger, 2-door 5-window, all-steel body with drop and lift gates in rear			
<b>MODEL</b>	1529; 56-1263F*	2129; 56-1063F*	2429; 56-1064DF*
<b>STATION WAGON</b> 6-passenger, 4-door 7-window, all-steel body with drop and lift gates in rear			
<b>MODEL</b>		2109; 56-1062F*	
<b>STATION WAGON</b> 9-passenger, 4-door 7-window, all steel body with drop and lift gates in rear			
<b>MODEL</b>		2119; 56-1062FC*	2419; 56-1062DFC*
<b>SEDAN DELIVERY</b> 2-passenger, 3-door 3-window panel delivery			
<b>MODEL</b>	1508; 56-1271*		

ORIGINAL COPY

\* - Fisher Body style number

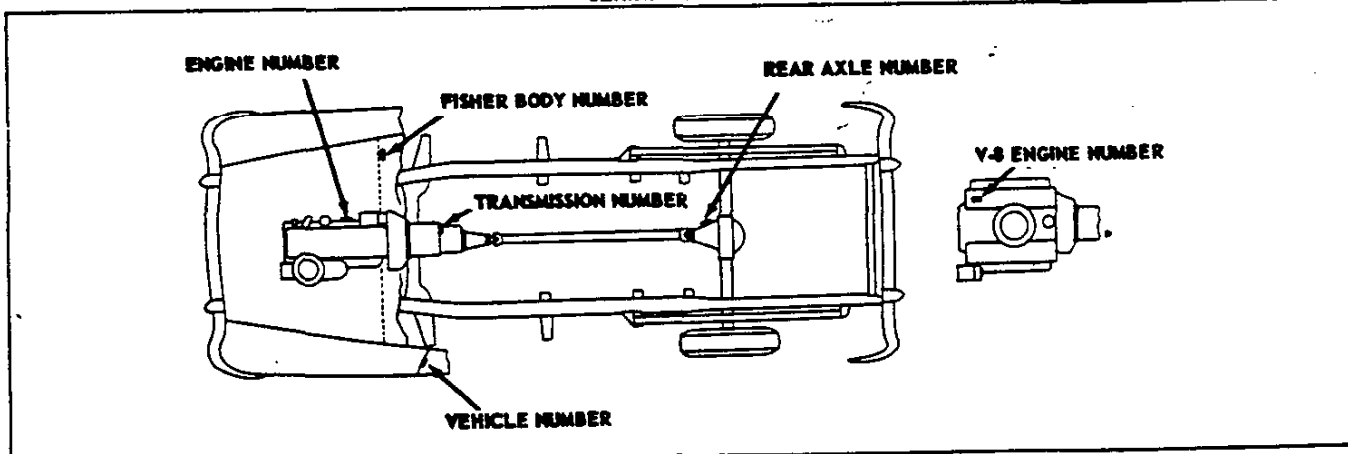
11-1-55

8 - MODEL IDENTIFICATION

CHEVROLET 1956 SPECIFICATIONS - PASSENGER



**SERIAL NUMBERS**



**VEHICLE SERIAL NUMBER**  
 Example: A 56 T 001025  
 Series Model Assembly Unit  
 Year Plant Number

- With 6 cyl. engine
  - A "One-Fifty" \* T - Tarrytown
  - B "Two-Ten" F - Flint
  - C "Bel Air" S - St. Louis
  - D Sedan Delivery K - Kansas City
- With 8 cyl. engine
  - VA "One-Fifty" \* A - Atlanta
  - VB "Two-Ten" N - Norwood
  - VC "Bel Air" B - Baltimore
  - VD Sedan Delivery L - Los Angeles
  - J - Janesville

\* Does not include Model 1508

Starting unit number ----- 1001  
 and up at each assembly plant regardless of series.  
 Location ----- Stamped  
 on plate attached to left front body hinge pillar.

**ENGINE SERIAL NUMBER**  
 Example: 001001 F 56 Z  
 Unit Plant Model Type  
 Number Designation Year Designation

Plant: T - Tonawanda; F - Flint  
 Type Designation

- 6 cylinder engine
  - Z - 6 cylinder engine
  - ZC - With RPO 227 (H. D. clutch)
  - Y - With RPO 313 (Auto trans.)

- 8 cylinder engine
  - G - RPO 221
  - GJ - RPO 221 with RPO 227 (H. D. clutch)
  - GL - RPO 221 with RPO 410 (4 bbl. carb)
  - GK - RPO 221 with FOA 110 (air cond.)
  - GM - RPO 221 with RPO 410 & FOA 110 (4 bbl carb & air cond.)
  - GS - RPO 221 with RPO 411 (Dual 4 bbl. carb)
  - GT - RPO 221 with RPO 449 (Hi-lift cam)
  - GC - RPO 221 with RPO 315 (Overdrive trans.)
  - GE - RPO 221 with RPO 315 & RPO 410 (Overdrive trans. & 4 bbl. carb)
  - GN - RPO 221 with RPO 315, RPO 410, & FOA 110 (O. D. trans., 4 bbl. carb. & air cond.)
  - F - RPO 221 with RPO 313 (Auto trans)

- FH RPO 221 with RPO 313 & RPO 411 (Auto trans & 4 bbl carb)
- FB RPO 221 with RPO 313 & RPO 410 (Auto trans & 4 bbl carb)
- FC RPO 221 with RPO 313 & FOA 110 (Auto trans & air cond.)
- FD RPO 221 with RPO 313, RPO 410, & FOA 110 (Auto trans, 4 bbl carb, & air cond.)

Starting unit number (6 & 8 cylinder engine are numbered separately) starting with 1001 and up, at each plant.

Location 6 cylinder engine  
 Stamped on pad on right hand side of cylinder block at rear of distributor

Location 8 cylinder engine  
 Stamped on pad at front right hand side of cylinder block

**TRANSMISSION IDENTIFICATION**  
 Example: M 11 26  
 Plant & Type Desig. Month Day of Month  
 Prefix Plant Type  
 M Muncie 3-Speed\*  
 S Saginaw 3-Speed\*  
 C Cleveland Powerglide

Location: Conventional ----- Stamped on rear face of case in the upper right hand corner  
 Powerglide ----- Stamped on rear face of case in the lower right corner.

\* - Overdrive ----- Have the same identification as the conventional 3-speed trans; the difference being distinguished by physical appearance.

**REAR AXLE SERIAL NUMBER**  
 Example: BB 212  
 Plant & Type Designation Unit Number  
 Plant Type

- Gear & Axle Buffalo
- AA BA 3-Speed
- AB BB Powerglide
- AC BC 3-Speed, Overdrive

Unit number ----- The first one of two digits represent the month; the last two, the day of the month  
 Location -- Stamped on fr. right side of differential carrier

**FISHER BODY NUMBER**  
 Description ----- Consists of separate numbers and symbols for body style, body number, trim type, and paint combination. Controlled by body source.  
 Location - Stamped plate on RH shoulder of cowl under hood



**PRODUCTION VEHICLE WEIGHTS**

**1500 SERIES**

Model	VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT			LOADED WEIGHT		
		Total	Front	Rear	Total	Front	Rear	Total	Front	Rear
1502P 1502	2-Door Sedan	3260 3165	1805 1725	1455 1440	3395 3300	1825 1750	1570 1550	4295 4200	2155 2075	2140 2125
1503P 1503	4-Door Sedan	3305 3205	1815 1735	1490 1470	3435 3340	1835 1755	1600 1585	4340 4240	2165 2085	2175 2155
1508P 1508	Sedan Delivery	3240 3145	1750 1675	1490 1470	3380 3285	1780 1700	1600 1585	4170 4075	1895 1820	2275 2255
1512P 1512	Utility Sedan	3225 3130	1800 1720	1425 1410	3360 3260	1820 1740	1540 1520	3810 3710	2150 2070	1660 1640
1529P 1529	2-Door Station Wagon	3410 3310	1780 1700	1630 1610	3545 3450	1805 1730	1740 1720	4445 4350	2135 2060	2310 2290

**2100 SERIES**

2102P 2102	2-Door Sedan	3275 3175	1800 1730	1465 1445	3410 3310	1830 1750	1580 1560	4310 4210	2160 2080	2150 2130
2103P 2103	4-Door Sedan	3310 3215	1815 1735	1495 1480	3445 3345	1835 1755	1610 1590	4340 4250	2160 2085	2180 2165
2109P 2109	4-Door Station Wagon	3480 3380	1800 1720	1680 1660	3615 3530	1825 1760	1790 1770	4515 4420	2155 2075	2360 2345
2113P 2113	4-Door Sport Sedan	3360 3265	1835 1755	1525 1510	3495 3395	1855 1775	1640 1620	4390 4300	2180 2105	2210 2195
2119P 2119	4-Door Station Wagon	3595 3500	1825 1745	1770 1755	3735 3635	1835 1755	1900 1880	5085 4990	2165 2085	2920 2905
2124P 2124	Club Coupe	3280 3180	1810 1730	1470 1450	3415 3315	1830 1750	1585 1565	4315 4220	2160 2080	2155 2140
2129P 2129	2-Door Station Wagon	3440 3345	1785 1705	1655 1640	3580 3485	1815 1735	1765 1750	4480 4385	2140 2065	2340 2320
2154P 2154	Sport Coupe	3300 3205	1815 1735	1485 1470	3435 3340	1835 1755	1600 1585	4340 4240	2165 2085	2175 2155

**2400 SERIES**

2402P 2402	2-Door Sedan	3295* 3200	1820 1740	1475 1460	3430 3330	1840 1760	1590 1570	4325 4235	2165 2090	2160 2145
2403P 2403	4-Door Sedan	3330 3235	1815 1740	1515 1495	3465 3365	1840 1760	1625 1605	4360 4265	2165 2085	2195 2180
2413P 2413	4-Door Sport Sedan	3380 3280	1840 1760	1540 1520	3515 3415	1860 1780	1655 1635	4415 4315	2190 2110	2225 2205
2419P 2419	4-Door Station Wagon	3610 3520	1825 1750	1785 1770	3750 3650	1835 1755	1915 1895	5100 5005	2165 2085	2935 2920
2429P 2429	2-Door Station Wagon	3460 3360	1800 1720	1660 1640	3600 3500	1830 1750	1770 1750	4495 4405	2155 2080	2340 2325
2434P 2434	Convertible	3435 3340	1880 1800	1555 1540	3570 3475	1900 1825	1670 1650	4320 4225	2120 2040	2200 2185
2454P 2454	Sport Coupe	3330 3230	1830 1750	1500 1480	3465 3365	1850 1770	1615 1595	4365 4270	2180 2100	2185 2170

**SHIPPING WEIGHT:** This is the weight of the basic vehicle with all regular equipment and with grease and oil wherever required. It does not include the weight of gasoline and water.

**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. To the shipping weight of the Sedan Delivery and Station Wagons, add 105 pounds for gasoline and 33 pounds for water. To the shipping weight of all others, add 102 pounds for gasoline and 33 pounds for water.

**LOADED WEIGHT:** This is the curb weight of the basic vehicle plus a max. of 150 lbs. for each pass.  
Example:

Model 1503 (6-passenger)----- 3341+900 lbs.=4241

**PERFORMANCE WEIGHT:** This is the curb weight of the lowest price 4-Door Sedan with regular equipment plus 600 pounds for passengers. A representative example is:

Model 1503----- 3941

\* - For V-Eight engine option, deduct 20 pounds from total and front.

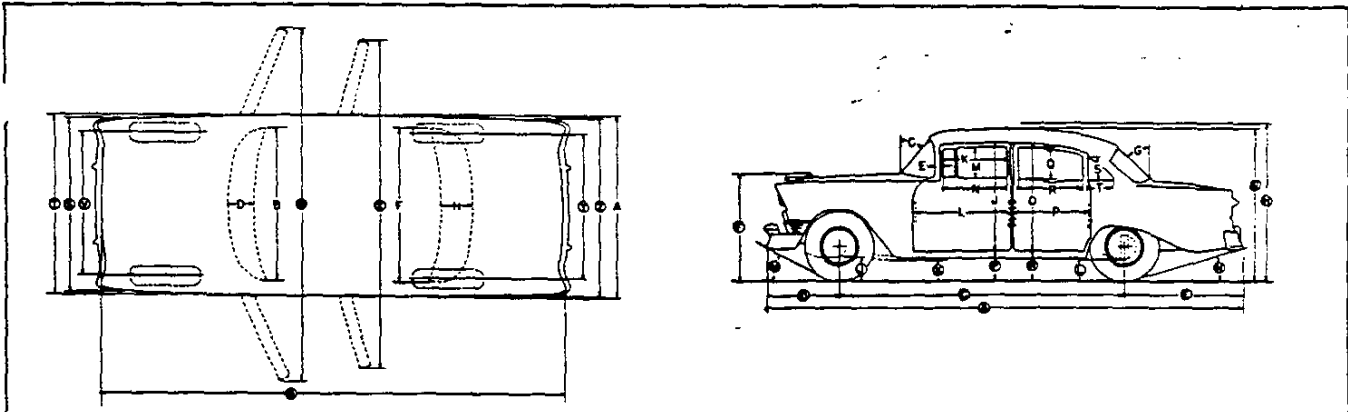
† - All models equipped with automatic transmissions are designated with the letter "P". Example: 1503P

11-1-55 • Data revised 5-9-56

10 - VEHICLE WEIGHTS

CHEVROLET 1956 SPECIFICATIONS - PASSENGER

EXTERIOR DIMENSIONS



DESCRIPTION	KEY	1502	1503	1529	2109	2434	2154	1508	2113	2429	
		2102	2103	2129	2119		2454		2413		
		2124	2403		2419						
		2402									
Vehicle Length	Overall	Ⓐ	197.5		200.8		197.5		200.8	197.5	200.8
	Overall less bumpers	Ⓑ	194.3								
	Wheelbase	Ⓒ	115.0								
	Front overhang	Ⓓ	34.4								
	Rear overhang	Ⓔ	48.1		51.3		48.1		51.3	48.1	51.3
Vehicle Height	Over ornament	Ⓕ*	41.7								
	Over roof, loaded	Ⓖ*	60.5		60.8		59.1§		60.8	59.1	59.4
	Over roof, unloaded	Ⓖ⊕	62.0			60.7§		62.0	60.6	60.8	
Road Clearance	Under frt. susp. X mbr.	ⒽⒻ	8.1								
	Under exhaust pipe	ⒽⒼ	6.5								
	Under rear axle center	ⒽⒻ	8.0								
Angle of approach	ⒽⒼ	24° 30'									
Angle of departure	ⒽⒼ	15° 24'		14° 50'		15° 24'		14° 50'	15° 24'	14° 50'	
Door step Height	Front door	ⒽⒼⒻ	14.0		15.0		14.0			15.0	
	Rear door	ⒽⒼⒼ	14.3		15.3				14.3		
Vehicle Width	Over front bumpers	Ⓘ	74.3								
	Over front fenders	Ⓚ	72.5								
	Front wheel tread	Ⓛ	58.0								
	Over front doors, open	Ⓜ	153.0	140.7	153.0	137.5	153.3	151.5	153.0	141.0	153.0
	Over rear doors, open	Ⓝ	125.5			124.7				137.5	
	Rear wheel tread	Ⓟ	58.9								
	Over rear bumper	Ⓡ	71.0								
	Over body maximum	A	73.7								
Wind-shield	Width	B	58.5								
	Slope angle	C	41.0°								
	Height on slope	D	17.5				16.8		17.5	16.8	
	Corner post (blind spot)	E	3.8								
Rear Window	Width	F	57.5		41.0		46.3	58.8	41.0	60.5	41.8
	Slope angle	G	47.0°		31.3°		46.0°	41.0°	31.3°	41°	31.3°
	Height on slope	H	18.3		13.6		16.5	17.0	13.6	18.2	15.5
Front Door	Opening height	J	42.00			40.0		42.0	42.0	41.5	
	Opening width, above belt	K	34.0	28.0	34.0	28.0	32.0	34.0	28.0	34.0	
	Opening width, below belt	L	43.8	37.0	43.8	37.0	43.0	43.8	37.0	43.8	
	Window DLO height	M	13.0								
	Window DLO width	N	31.3	25.5	31.3	25.5	30.5		31.3		32.0
Rear Side Door	Opening height	O	41.0			41.0				41.0	
	Opening width	P	27.5			27.5				38.0	
	Window DLO height	Q	13.3			13.3				13.5	
	Window DLO width	R	25.5			25.5				30.5	
Rear Quarter	Window DLO height	S	13.0	9.0	13.0		13.3	13.5		12.3	
	Window DLO width	T	33.5	10.6	69.8	45.8	19.1	24.8		60.0	

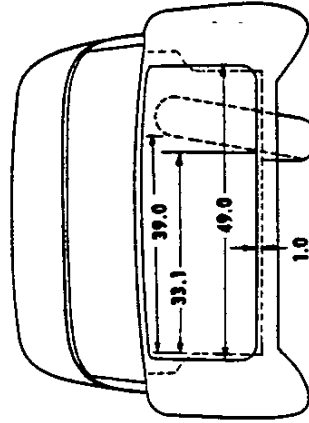
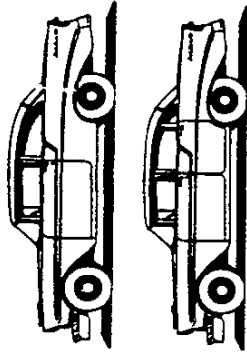
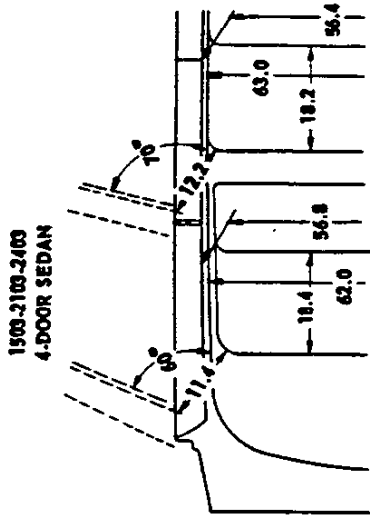
Ⓕ - Road clearance based on static conditions of tires and springs under design load.

\* - Under design load conditions. ⊕ - At curb weight.

§ - Convertible height, top down (measured over windshield header bar.) design load - 55.5' no load - 56.8

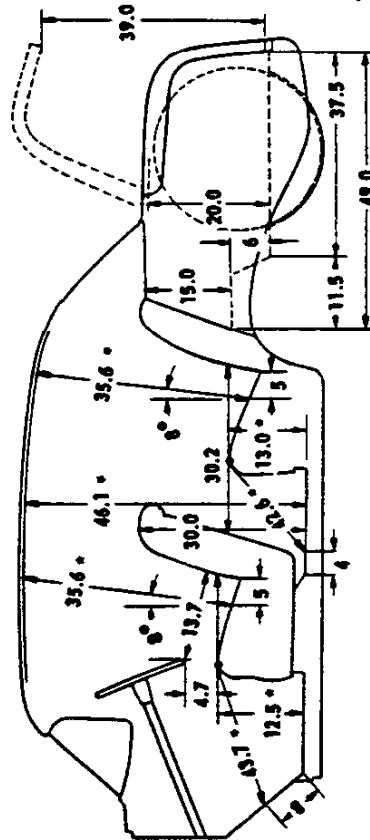
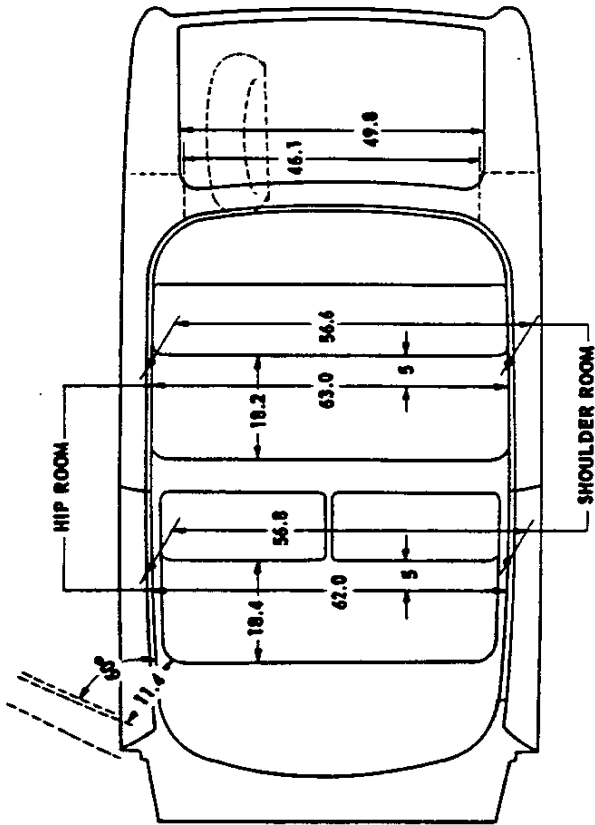
### BODY INTERIOR DIMENSIONS

Trim and hardware differences between One-Fifty, Two-Ten, and Bel Air models are not considered in these dimensions. However, these differences are never greater than 5/8.



LUGGAGE COMPARTMENT APPROXIMATE  
CAPACITY IS 20 CU. FT. WITH  
SPARE TIRE INSTALLED

1502-2102-2124-2402  
2-DOOR SEDAN

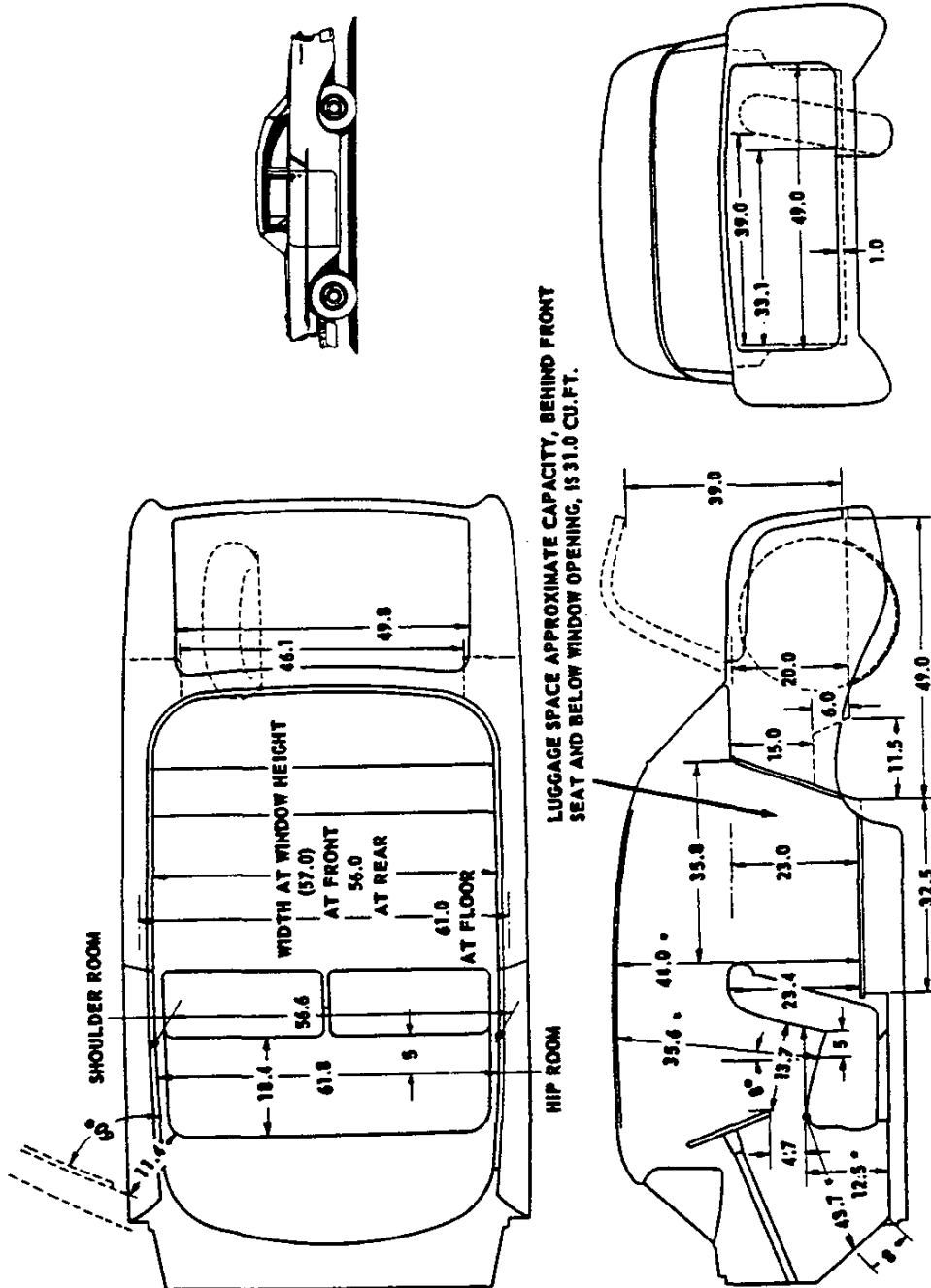


FRONT SEAT ADJUSTMENT 4.4 SEAT SHOWN IN REAR POSITION  
\* - MEASURED 15 FROM CENTER OF CAR

BEL AIR 2-DOOR AND 4-DOOR SEDANS (MODELS 2402 AND 2403)  
TWO-TEN 2-DOOR AND 4-DOOR SEDANS (MODELS 2102 AND 2103)  
ONE-FIFTY 2-DOOR AND 4-DOOR SEDANS (MODELS 1502 AND 1503)  
TWO-TEN CLUB COUPE (MODEL 2124)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



LUGGAGE SPACE APPROXIMATE CAPACITY, BEHIND FRONT SEAT AND BELOW WINDOW OPENING, IS 31.0 CU. FT.

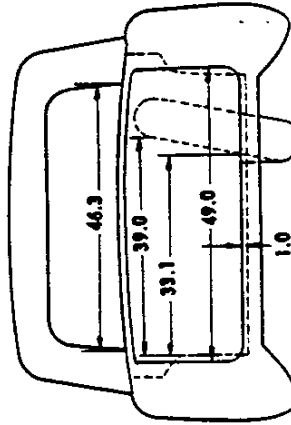
LUGGAGE COMPARTMENT APPROXIMATE CAPACITY IS 20 CU. FT. WITH SPARE TIRE INSTALLED

FRONT SEAT ADJUSTMENT 4.4 SEAT SHOWN IN REAR POSITION \* - MEASURED 15 FROM CENTER OF CAR

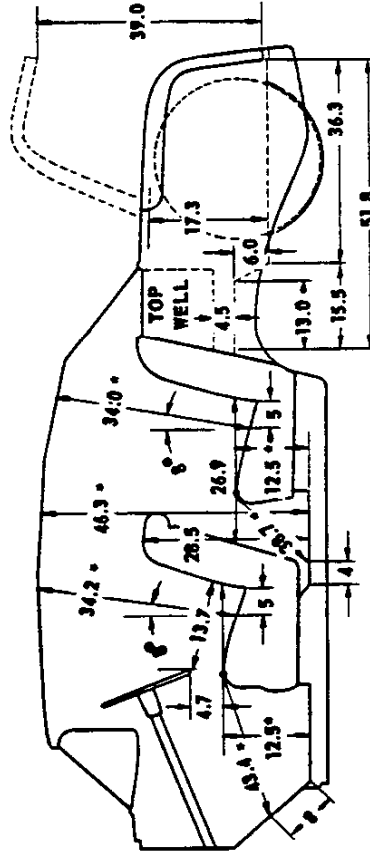
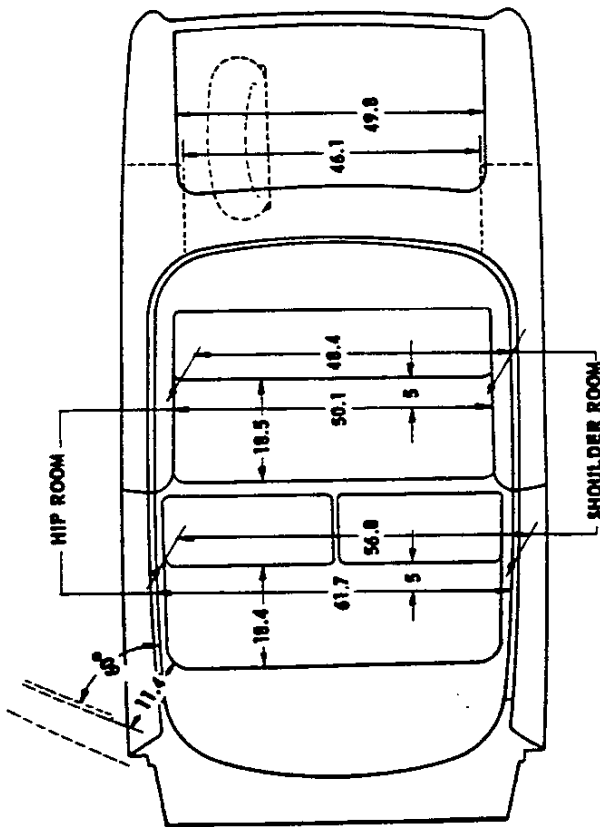
ONE-FIFTY UTILITY SEDAN (MODEL 1512)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



LUGGAGE COMPARTMENT APPROXIMATE CAPACITY IS 17 CU. FT. WITH SPARE TIRE INSTALLED

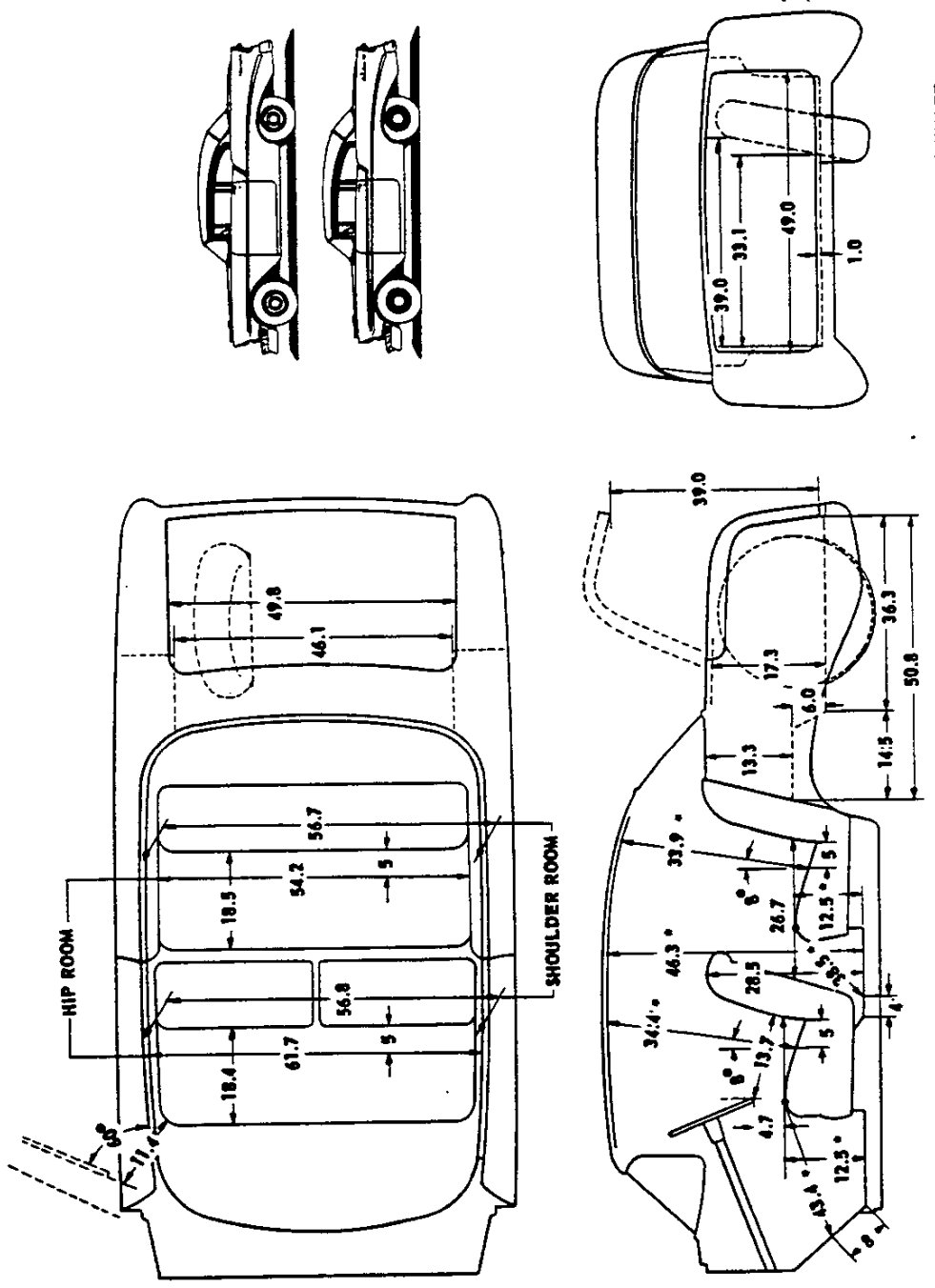


FRONT SEAT ADJUSTMENT 4.4 SEAT SHOWN IN REAR POSITION  
 \* - MEASURED 15 FROM CENTER OF CAR

BEL AIR CONVERTIBLE (MODEL 2434)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



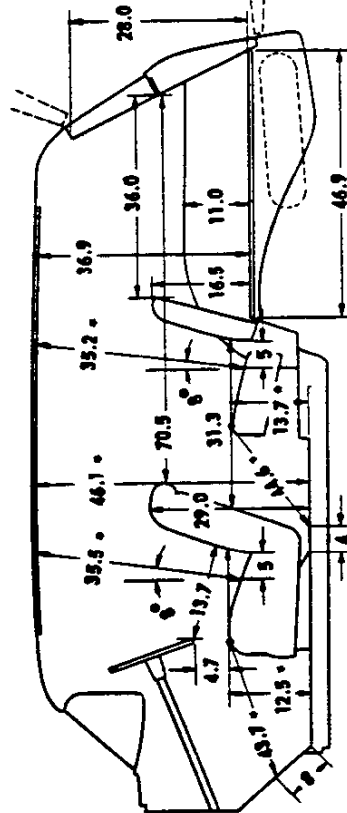
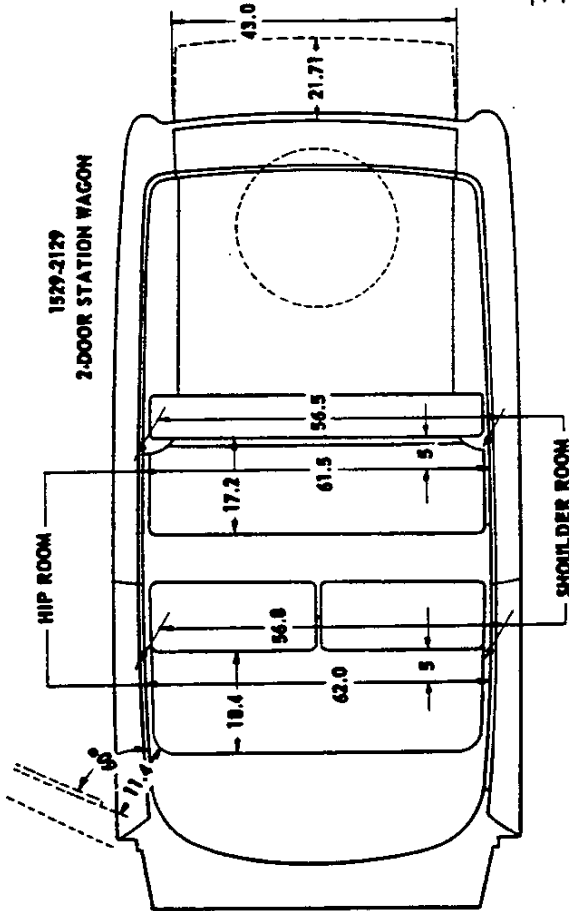
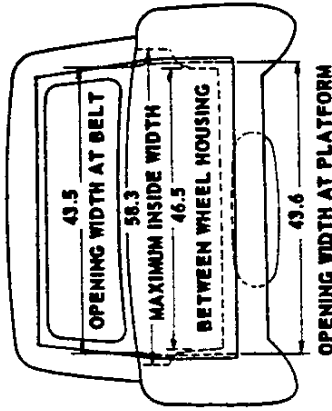
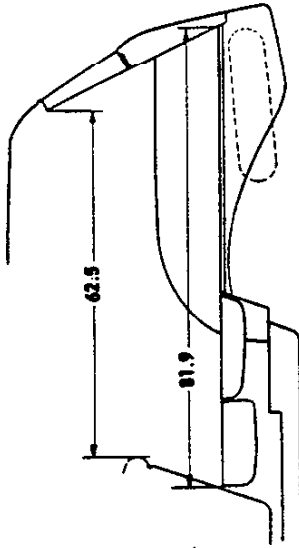
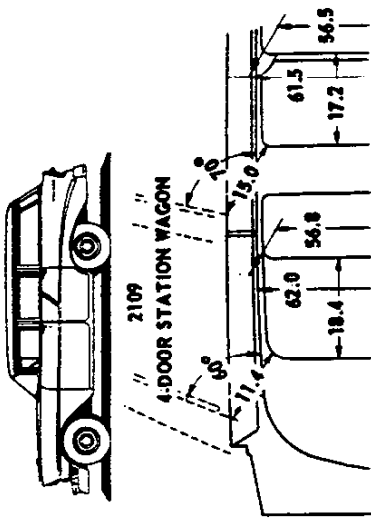
LUGGAGE COMPARTMENT APPROXIMATE CAPACITY IS 20 CU. FT. WITH SPARE TIRE INSTALLED

FRONT SEAT ADJUSTMENT 4.4" SEAT SHOWN IN REAR POSITION  
 ° - MEASURED 15 FROM CENTER OF CAR

TWO-TEN SPORT COUPE (MODEL 2154)  
 BEL AIR SPORT COUPE (MODEL 2454)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



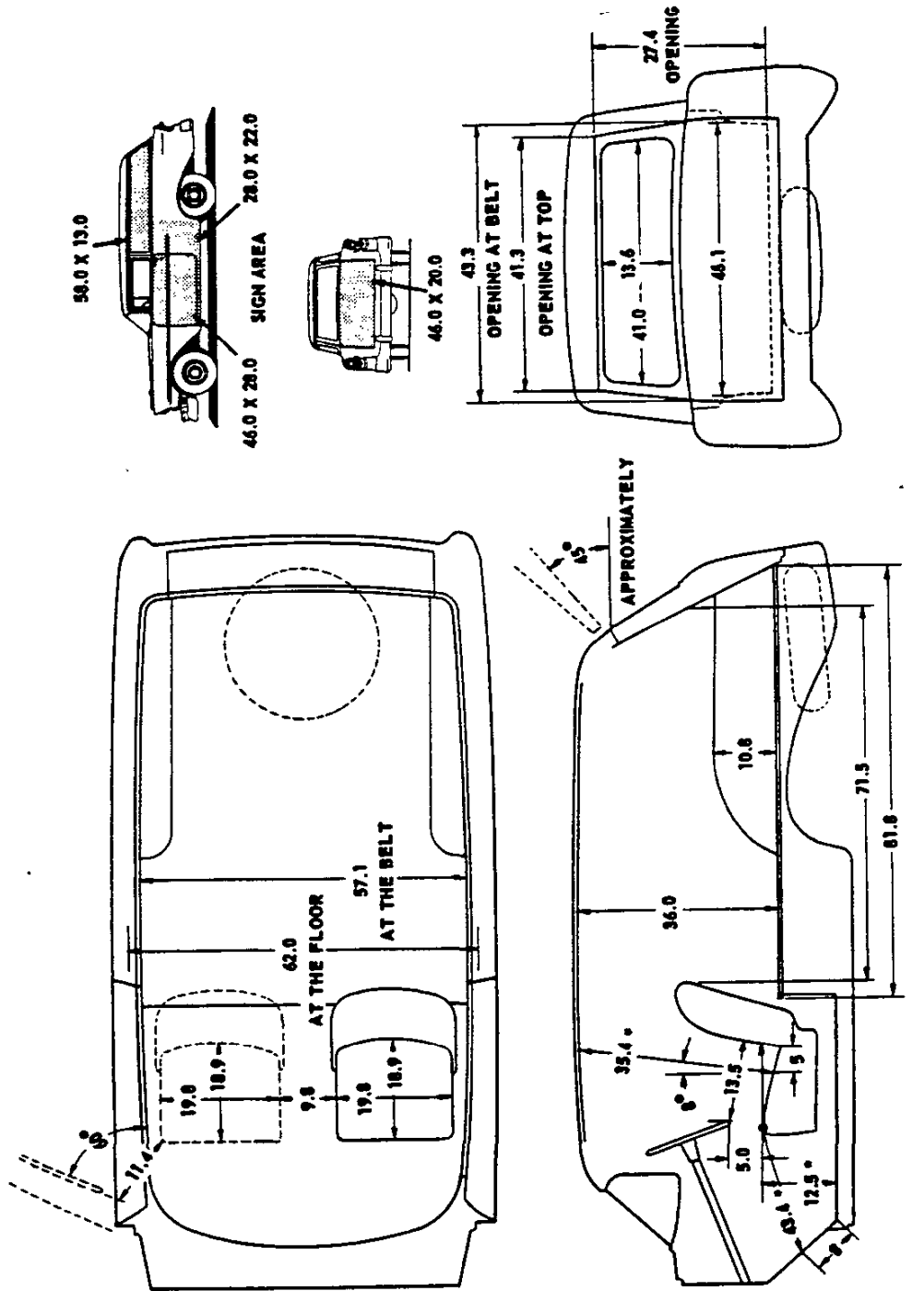
CARGO SPACE APPROXIMATE CAPACITY 67 CU. FT. WITH REAR SEAT FOLDED  
45 CU. FT. WITH REAR SEAT IN USE

FRONT SEAT ADJUSTMENT 4.4 SEAT SHOWN IN REAR POSITION  
\* - MEASURED 15 FROM CENTER OF CAR

TWO-TEN 2-DOOR AND 4-DOOR STATION WAGONS (MODELS 2129 AND 2109)  
ONE-FIFTY 2-DOOR STATION WAGON (MODEL 1529)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



LOAD SPACE APPROXIMATE CAPACITY IS 91 CU.FT.

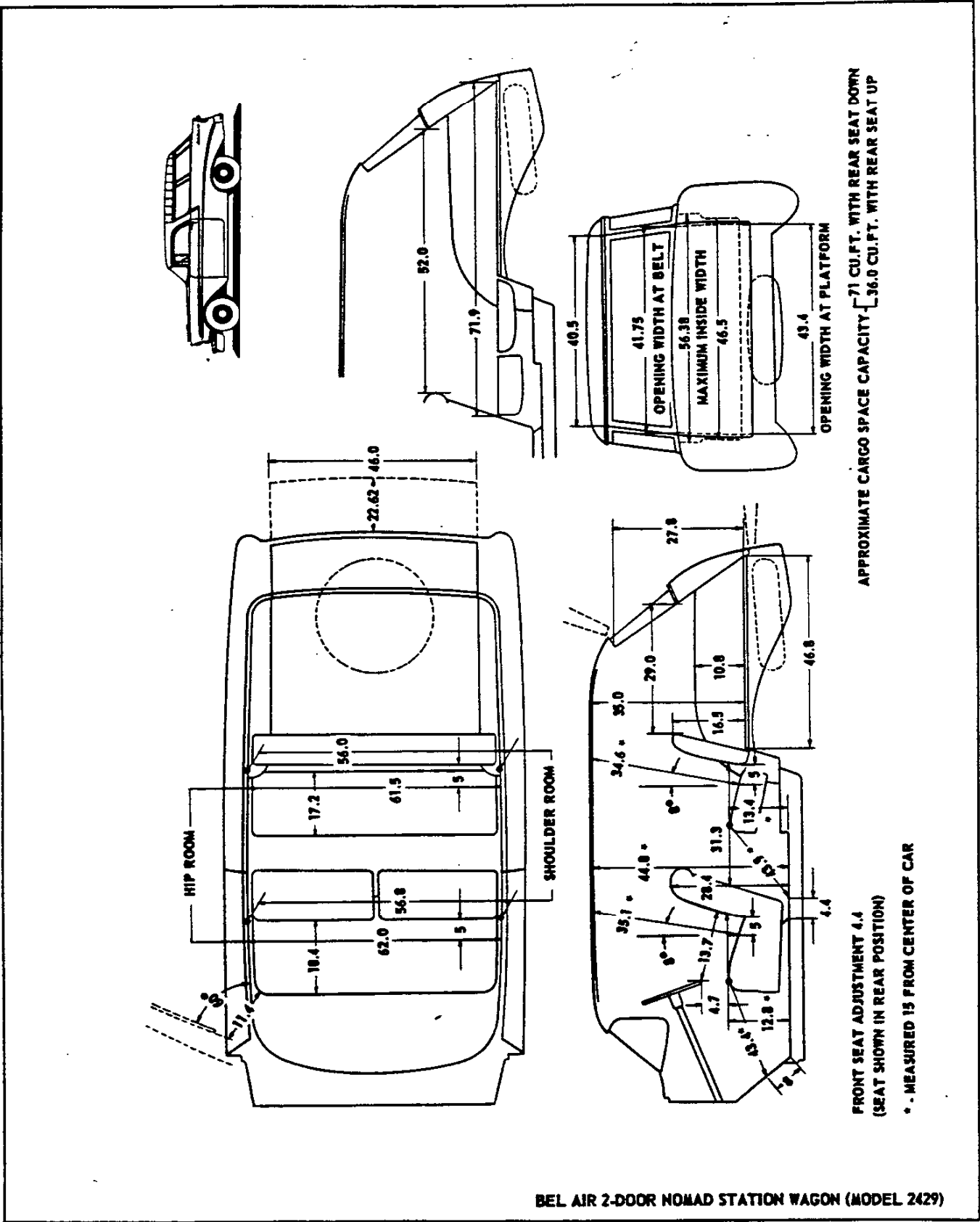
FRONT SEAT ADJUSTMENT 4:0 SEAT SHOWN IN REAR POSITION  
\* - MEASURED 15 FROM CENTER OF CAR

ONE-FIFTY SEDAN DELIVERY (MODEL 1508)

CONTINUED



BODY INTERIOR DIMENSIONS - CONTINUED



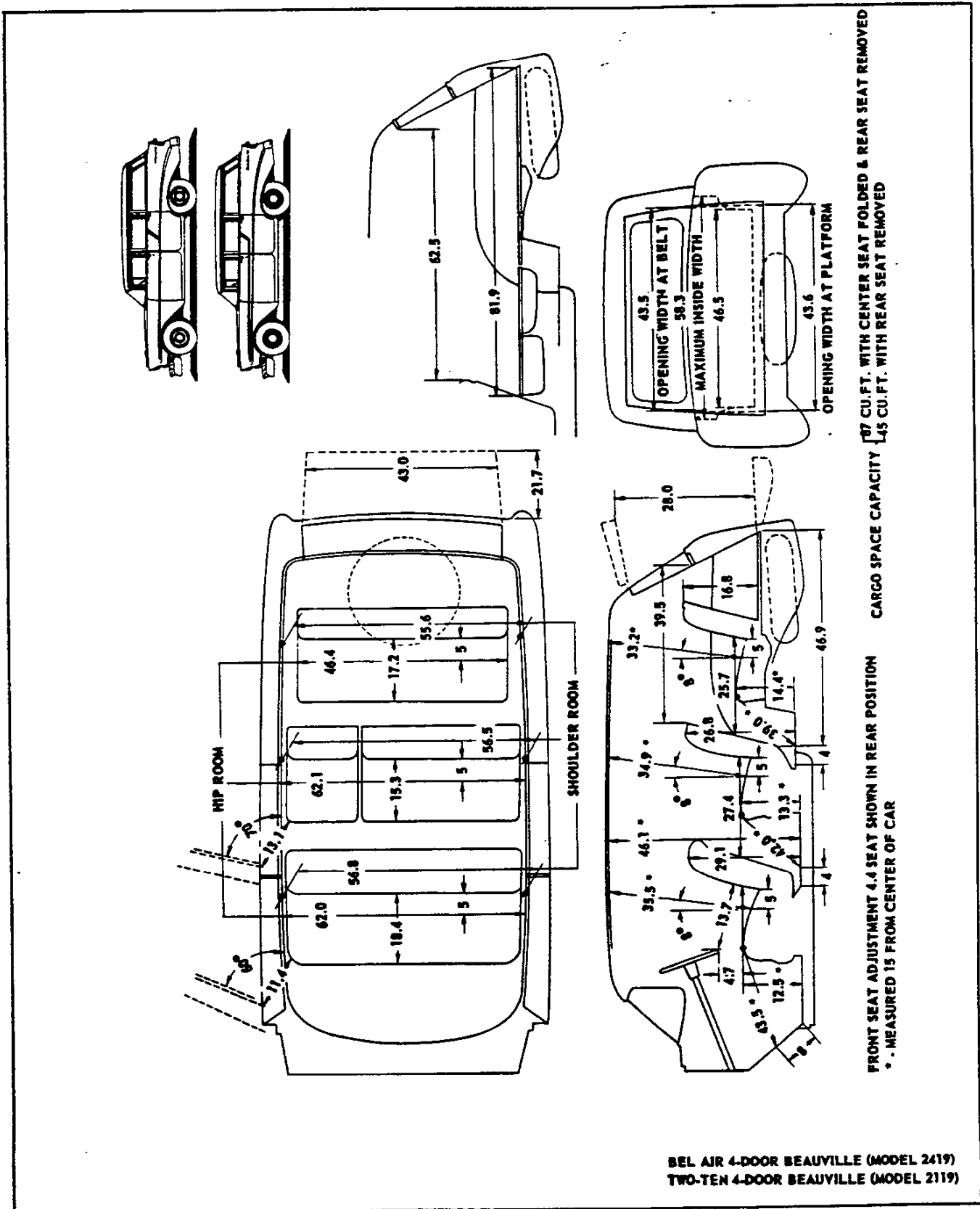
APPROXIMATE CARGO SPACE CAPACITY - 71 CU.FT. WITH REAR SEAT DOWN  
 36.0 CU.FT. WITH REAR SEAT UP

FRONT SEAT ADJUSTMENT 4.4  
 (SEAT SHOWN IN REAR POSITION)  
 \* - MEASURED 15 FROM CENTER OF CAR

BEL AIR 2-DOOR NOMAD STATION WAGON (MODEL 2429)

CONTINUED

BODY INTERIOR DIMENSIONS - CONTINUED



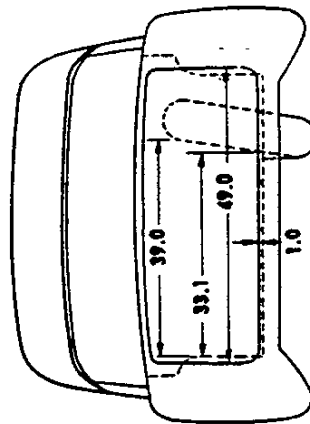
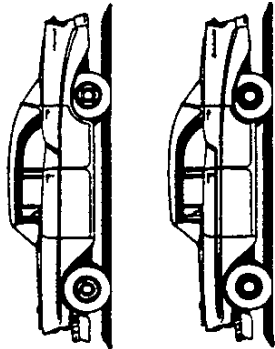
FRONT SEAT ADJUSTMENT 4.4 SEAT SHOWN IN REAR POSITION  
 ° - MEASURED 15 FROM CENTER OF CAR

87 CU.FT. WITH CENTER SEAT FOLDED & REAR SEAT REMOVED  
 45 CU.FT. WITH REAR SEAT REMOVED

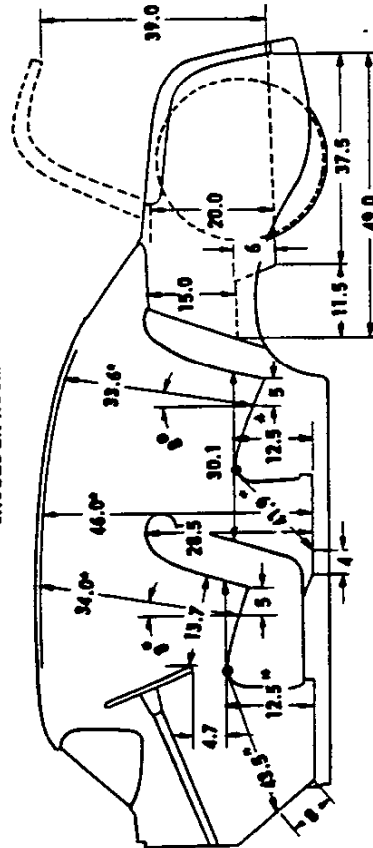
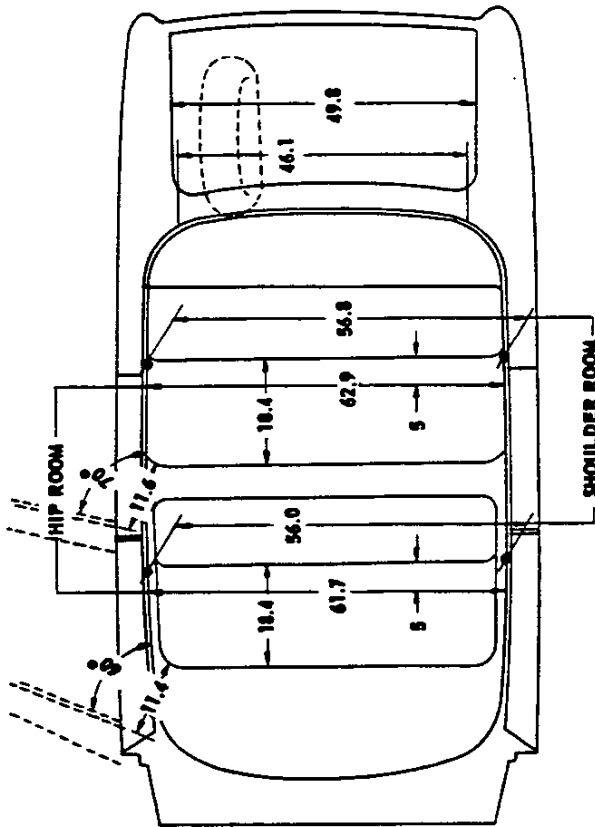
BEL AIR 4-DOOR BEAUVILLE (MODEL 2419)  
 TWO-TEN 4-DOOR BEAUVILLE (MODEL 2119)

CONTINUED

BODY INTERIOR DIMENSIONS



LUGGAGE COMPARTMENT APPROXIMATE CAPACITY IS 20 CU. FT. WITH SPARE TIRE INSTALLED



FRONT SEAT ADJUSTMENT 4.4 SHOWN IN REAR POSITION

\* - MEASURED 15 FROM CENTER OF CAR

TWO-TEN 4-DOOR SPORT SEDAN (MODEL 2113)  
 BEL AIR 4-DOOR SPORT SEDAN (MODEL 2413)

**ACCESSORIES**

Definition: Items made available at extra cost through the Parts and Accessories Department and installed by the customer, or his dealer, unless otherwise indicated.

ITEM		MODEL
Adapter Unit	Radio Antenna (For Rear Fender Installation)	1500-2100-2400
Adapter Unit	Spotlamp	All (Except 1508)
Alarm	Parking brake	All
Arm Rests	Door, front	1500
Belt Unit Seat	Safety	All
Blade	Windshield Wiper (De-icing)	All
Block	Wiring Junction	
Cap	Hub (Full Disk)	1500-2100
	Gasoline tank filler locking	All
Carrier	Wheel (Continental type)	All except 1508-29; 2109-19-29; 2419-29
Clock	Instrument panel (Electric)	1500-2100
Compass	Illuminated	All
Conditioning Unit	Air (FOA 110)	All, except 2434
Covers	Accelerator pedal	All
	Seat & back	Plastic, nylon, fiber, terry cloth & clear plastic 1502-03-12; 2102-03-24; 2402-03-54
Cover Unit	Wire Wheel	1500-2100
Deflector	Rain	1503; 2103; 2403
	Front & rear doors	
	Front doors & rear quarter windows	1502-12; 2102-24; 2402
Dispenser	Tissue	
Extension	Muffler tail pipe	
Fender and Radiator Unit	Front fender top moulding & radiator grille guard unit	All
Filter *	Gasoline	
Frame	License plate	
Guard	Door Edge	All except 1529; 2109-19-29; 2419
Harness Unit †	Seat Shoulder	
Heater and FOA Defroster * 101	Recirculating	
	Air-flow	All
Horn Unit	Vibrator	
Lamp	Back-up, pair (With 3-Speed or Automatic transmission)	
	Lighter, cigarette	
	Courtesy	All except 2434
	Luggage Compartment	All except 1508-29; 2109-19-29; 2419
	Under hood	
	Portable spot (Plugs in cigarette lighter)	All
	Spot, Left Hand (With bracket and mirror)	
	Glove compartment	1500
Lighter	Cigarette	
Mat	Floor (Blue, Red, Green, Black, Copper, Turquoise)	All
Mirror	Rear View	Door, remote-control
		Door, body mount
		Inside, non-glare
	Visor, Vanity	All
Molding	Wheel (Stainless steel)	
	Body Sill	
Radio	Manual tuning (Delco)	All
	Push-button tuning (Delco)	
	Signal seeking (Delco)	
	Antenna (On RH Fender)	
	Speaker, auxiliary (Rear Seat)	All except 1508-29; 2109-19-29; 24-19-29-34
Reflector	Reflex (Red)	
Ring	Wheel Trim	
Pad	Instrument Crash Panel	
	Ventilated Seat	All
Screen Unit	Radiator Inset	
Shaver	Electric	
Shield	Door handle (On door)	
	Front fender (Pair)	
	Windshield Glare	
Sunshade	Right hand	1500
Sunvisor	Outside type	All except 2429-34
Tool Kit	Bag With Tools	All
Top Lift	Automatic (Moisture-sensitive)	2434 only
Viewer	Traffic light	All
Washer	Windshield (Foot or Vacuum-Operated)	

\* - Factory optional accessory but can be purchased through dealer.

† - Must be used with seat safety belt unit; seat safety belt can be used without seat shoulder harness unit.

**REGULAR PRODUCTION OPTIONS •**

RPO	ITEM	MODELS
216	Air Cleaner Equipment	1500-2100-2400
221	V-8 Engine	1500-2100-2400
227	Heavy Duty Clutch Equipment	1500-2100-2400
237	Oil Filter Equipment	1500-2100-2400
241	Governor Equipment	1500-2100-2400
253	Heavy Front Spring Equipment	1500-2100-2400
288	6.70-15-6 Ply Tire Equipment	1500-2100-2400
290	6.70-15-4 Ply Tire Equipment	1500-2102-03-09-13-24-29-54 2402-3-13-29-54
297	7.10-15-4 Ply Tire Equipment	1500-2102-3-9-13-24-29-54 2402-3-13-29-34-54
313	Automatic Transmission Equipment	1500-2100-2400
315	Transmission Overdrive Equipment	1500-2100-2400
320	Electric Windshield Wiper Equipment	1500-2100-2400
324	Hydraulic Steering Equipment	1500-2100-2400
325	Generator Equipment 30 & 40 amp.	1500-2100-2400
330	Taxi Cab Equipment	1503-2103
345	Heavy Duty Battery Equipment	1500-2100-2400
398	Body Glass Equipment (Tinted)	1500-2100-2400
410	Four Barrel Carburetor Equipment	1500-2100-2400
411	Dual Four Barrel Carburetor	1500-2100-2400 except 1508
412	Vacuum Power Brake Equipment	1500-2100-2400
417	Engine Positive Ventilation Equipment	1500-2100-2400
426	Window Electrical Control Equipment	2100-2400
427	Instrument Panel Pad Equipment	1500-2100-2400
449	Dual Four Barreled Carb. With High Lift Camshaft	1502-03-12-2102-03; 2402-03-34
470	Folding Top Equipment	2434

**REGULAR EQUIPMENT**

ITEM		MODELS	
Exterior	Bumpers & dual bumper guards, front and rear	All	
	Bright metal headlight rims		
	Dual parking lights		
	Hood ornament and emblem		
	Dual windshield wipers		
	Dual horns		
	Outside keylocks, both front doors below handles		
	Wheel disks		
	Hub caps		
	Concealed gasoline filler cap		
	Rear deck lid emblem with finger grip	All except 1508-1529, 2109-2119, 2129, 2419-2429	
	Push button tailgate handle	2429	
	Dual tail and stop lights with provisions for back-up lights	All	
	Rear license plate lights in bumper guards		
	Push button side door handles		
	Outside rear window mirror	1508	
	Bright metal molding	2109-19-29; 2419	
	Body belt		
		Roof header	All
	Body side		
	Sash molding on rear quarter panel	All except 1508	
	W/S pillar	2400	
	Saddle molding	2113, 2154, 2413, 2454	
	Tail gate vertical molding	2429	
	Bright metal lift gate frame	2429	
	Directional signals	All	

**REGULAR EQUIPMENT - Continued**

ITEM			MODELS	
Exterior	Bright metal molding	Reveals	Windshield All	
			Side window 2113, 2154, 2402 2403, 2413, 2454, 2434	
			Rear window All except 2434	
	Series nameplate on rear fender			2400
	Name on front fender			1500, 2100
	V-emblem on hood and rear deck lid or tailgate (8-cylinder)			All except 2429
	V-emblem below each tail light (8-cylinder)			2429
Bonderized body and sheet metal				
Interior	Instrument panel	Two-tone finish		All
		Bright metal cluster bezel		
		Bright metal insert		2400
		Glove compartment	Lock	All
			Automatic light	2100, 2400
		Ash tray		All
		Cigarette lighter		2100, 2400
		Electric clock		2400
		3-pos. ignition lock and start. switch		
		Scripton radio grille "Chevrolet" 1500 & 2100; "Bel Air" 2400		All
	Steering wheel	Two spoke		1500, 2100
		Three spoke		2400
		Horn blowing ring		2100, 2400
		Horn button		1500
		Emblem on steering wheel hub (gold plated on 2400; bright metal, others)		2100-2400 (V-type when equipped with V-8 engine)
	Dual ventilators in cowl side panels			All
	Sunshades	Dual		2100, 2400
		Left hand only		1500
	Inside rear view mirror			All except 1508
	Foam rubber seat cushion pads, front and rear			2400 except 2419
	Foam rubber seat cushion pads, front only			2100
	Arm rests, front and rear doors or quarter panels			2100, 2400; front only on 2109-19-29; 2419-29
	Assist straps			2102-24; 2402
	Coat hooks			2100-2400 except 2129 and 2434
	Rear compartment ash trays		In front seat back In arm rests	2103, 2113, 2403, 2413 2102-24-54; 2402-34-54
	Package shelf			All except 1508-29; 2109-19-29; 2419-2429-2434
	Scuff pads on doors and/or quarter panels			All
	Passenger compartment lights			1, all except 2 on 2429
	Automatic door switch	Front doors only		2100, 2400
		All doors		2400
	Manual compartment light switch integral with headlamp switch (main switch)			All
	Manual compartment light switch at tailgate			2429
Rolled embossed aluminum step plate with "Body by Fisher" emblem			All	
Crank-type ventipanes with bright metal frames				
Adjustable front seat				
Bright metal moldings	Windshield garnish		2434	
	Roof rail and side window garnish		2429 and 2454	
	On seat & side trim scuff pads		2100, 2400	
	Rear window garnish		2429, 2413 and 2454	

**EXTERIOR-INTERIOR COLOR COMBINATIONS  
ONE-COLOR EXTERIORS**

Upper and Lower Body, Sheet Metal Wheels	Wheel Stripes (No Stripes on 2400 Series)	Trim Combinations (Standard Trim only on Series 1900 Sedans)		Series 21-2400	Series 1500	Upper and Lower Instrument Panel 21-2400 Upper Instrument Panel 1500 Steering Wheel, Column and Hub 21-2400 Gearshift Housing 15-21-2400 except 2429 Directional Signal Housing 21-2400 Ash Tray Cover Panel 21-2400 Nontar Cover Panel 21-2400 Door Lock Rod Knobs 15-21-2400	
		Standard Trim	Optional Trim	Instrument Panel Center, Radio Cover Panel	Instrument Panel Center and Lower, Cigarette Lighter Button, Radio Cover Panel, Steering Wheel Column and Hub, Ash Tray Cover Panel, Nontar Cover Panel, Directional Signal Housing	With Standard Trim	With Optional Trim
					On 2429 only - Upper Garnish Mold., Windshield Pillar Molding, Windshield Lower Garnish Molding, Quarter Window Molding		
Onyx Black	Argent	Black & Gold	None	None	Adobe Beige	Onyx Black	None
		Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
		Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Black	None	India Ivory	None	Onyx Black	None
Pinecrest Green	Black	Ivory & Charcoal	Yellow & Charcoal	Bright	None	Onyx Black	Onyx Black
		Black & Gold	None	None	Adobe Beige	Onyx Black	None
		Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
		Gold & Dt. Green	None	None	Adobe Beige	Sherrwood Green	None
Sherrwood Green	Argent	Ivory & Charcoal	Ivory & Dt. Green	India Ivory	None	Onyx Black	Sherrwood Green
		Ivory & Black	Ivory & Dt. Green	India Ivory	None	Onyx Black	Sherrwood Green
		Ivory & Charcoal	Lt. & Dt. Green	Bright	None	Onyx Black	Sherrwood Green
		Ivory & Charcoal	None	Bright	None	Onyx Black	None
Harbor Blue	Black	Black & Gold	None	None	Adobe Beige	Onyx Black	None
		Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
		Ivory & Charcoal	Ivory & Dt. Blue	India Ivory	None	Onyx Black	Harbor Blue
		Ivory & Black	None	India Ivory	None	Onyx Black	None
Mercedes Red	Black	Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	Lt. & Dt. Blue	Bright	None	Onyx Black	Harbor Blue
		Ivory & Charcoal	None	Bright	None	Onyx Black	None
		Black & Gold	None	None	Adobe Beige	Onyx Black	None
Tropical Turquoise	Argent	Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
		Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	Ivory & Dt. Turq.	India Ivory	None	Onyx Black	Tropical Turquoise
		Ivory & Black	Ivory & Dt. Turq.	India Ivory	None	Onyx Black	Tropical Turquoise
India Ivory	Black	Ivory & Charcoal	Lt. & Dt. Turq.	Bright	None	Onyx Black	Tropical Turquoise
		Ivory & Charcoal	Ivory & Dt. Turq.	Bright	None	Onyx Black	Tropical Turquoise
		Black & Gold	None	None	Adobe Beige	Onyx Black	None
		Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
Crocus Yellow	Black	Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Black	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	Yellow & Charcoal	Bright	None	Onyx Black	Onyx Black
Harbor Blue	Argent	Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	Ivory & Dt. Blue	India Ivory	None	Onyx Black	Harbor Blue
		Ivory & Charcoal	Lt. & Dt. Blue	Bright	None	Onyx Black	Harbor Blue
Dark Plum	Argent	Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Black	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	None	Bright	None	Onyx Black	None
Inca Silver	Black	Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
		Ivory & Black	None	India Ivory	None	Onyx Black	None
		Ivory & Charcoal	None	Bright	None	Onyx Black	None
Calypsa Cream	Black	Gold & Black	None	None	Adobe Beige	Onyx Black	None
		Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None





**EXTERIOR-INTERIOR COLOR COMBINATIONS  
TWO-COLOR EXTERIORS**

EXTERIOR COLORS		Wheel Traps (Series 13-2100)	Trim Combinations (Standard Trim only on Series 1300 Sedans)		Series 21-2400	Series 1500	Upper and Lower Instrument Panel 21-2400 Upper Instrument Panel 1500 Steering Wheel, Column and Hub 21-2400 Garnish Molding 15-21-2400 except 2429 Directional Signal Housing 21-2400 Ash Tray Cover Panel 21-2400 Hood Cover Panel 21-2400 Door Lock Rod Knob 15-21-2400	
First Color A	Second Color B		Standard Trim	Optional Trim	Inst. Panel Center, Radio Cover Panel, On 2429 only - Upper Garnish Mldg., Windshield Pillar Molding, Windshield Lower Garnish Molding, Quarter Window Molding	Inst. Panel Center and Lower Cig. Lighter Button, Radio Cover Panel, Steering Wheel, Column and Hub, Ash Tray Cover Panel, Hood Cover Panel Directional Signal Housing	With Standard Trim	With Optional Trim
India Ivory	Onyx Black	Argent	Ivory & Charcoal	None	Bright *	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Black & Gold	None	None	Adobe Beige	Onyx Black	None
			Charcoal & Gold	None	None	Adobe Beige	Onyx Black	None
Sherwood Green	Pinecrest Green	Black	Ivory & Charcoal	Lt. & Dk. Green	Bright	None	Onyx Black	Sherwood Green
			Ivory & Charcoal	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
			Ivory & Black	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
			Black & Gold	None	None	Adobe Beige	Onyx Black	None
India Ivory	Sherwood Green	Argent	Ivory & Charcoal	Lt. & Dk. Green	Bright	None	Onyx Black	Sherwood Green
			Ivory & Charcoal	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
			Ivory & Black	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
			Charcoal & Gold	Dk. Green & Gold	None	Adobe Beige	Onyx Black	Sherwood Green
India Ivory	Pinecrest Green	Black	Ivory & Charcoal	Lt. & Dk. Green	Bright	None	Onyx Black	Sherwood Green
			Ivory & Charcoal	None	Bright	None	Onyx Black	None
			Ivory & Charcoal	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
			Ivory & Black	Ivory & Dk. Green	India Ivory	None	Onyx Black	Sherwood Green
Cactus Yellow	Laural Green	Argent	Ivory & Charcoal	Yellow & Charcoal	Bright	None	Onyx Black	Onyx Black
			Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Ivory & Charcoal	Lt. & Dk. Blue	Bright	None	Onyx Black	Harbor Blue
India Ivory	Nessau Blue	Black	Ivory & Charcoal	Ivory & Dk. Blue	India Ivory	None	Onyx Black	Harbor Blue
			Ivory & Charcoal	None	Bright	None	Onyx Black	None
			Ivory & Charcoal	Ivory & Dk. Blue	India Ivory	None	Onyx Black	Harbor Blue
			Ivory & Black	None	India Ivory	None	Onyx Black	None
India Ivory	Dusk Plum	Argent	Ivory & Charcoal	None	Bright *	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
			Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
Adobe Beige	Sierra Gold	Black	None	Yan & Copper	Bright	None	None	Sierra Gold
			Ivory & Charcoal	None	Bright *	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Ivory & Charcoal	Cream & Charcoal	Bright	None	Onyx Black	Onyx Black
Impertal Ivory	Ince Silver	Black	Ivory & Charcoal	None	Bright *	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
			Gold & Black	None	None	Adobe Beige	Onyx Black	None
Onyx Black	Calyx Cream	Black	Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
			Gold & Black	None	None	Adobe Beige	Onyx Black	None
			Gold & Charcoal	None	None	Adobe Beige	Onyx Black	None
			Gold & Black	None	None	Adobe Beige	Onyx Black	None
Onyx Black	Cactus Yellow	Black	Ivory & Charcoal	Yellow & Charcoal	Bright	None	Onyx Black	Onyx Black
			Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Ivory & Black	None	India Ivory	None	Onyx Black	None
India Ivory	Metador Red	Black	Ivory & Charcoal	None	Bright *	None	Onyx Black	None
			Ivory & Charcoal	Ivory & Red	Bright	None	Onyx Black	Metador Red
			Ivory & Black	None	India Ivory	None	Onyx Black	None
			Black & Gold	None	None	None	Onyx Black	None
Adobe Beige	Metador Red	None	Ivory & Charcoal	Red & Beige *	Bright	None	Onyx Black	Metador Red
India Ivory	Tropical Turquoise	Argent	Ivory & Charcoal	Lt. & Dk. Turquoise	Bright	None	Onyx Black	Tropical Turquoise
			Ivory & Charcoal	Ivory & Dk. Turquoise	Bright *	None	Onyx Black	Tropical Turquoise
			Ivory & Charcoal	None	India Ivory	None	Onyx Black	None
			Ivory & Black	Ivory & Turquoise	India Ivory	None	Onyx Black	Tropical Turquoise

\* - On Series 2400 models, the first color is used on the roof, pillars, rear deck, upper quarter panels and the area between the two body side moldings. The second color is used on the hood, front fenders, lower body and wheels. However on model 2429, the first color is used for the tail gate, upper quarter panels and area between the two body side moldings. The second color is used on the roof pillars, lift gate, hood, front fenders, lower body and wheels. On model 2419 the first color is used on the tail gate, upper quarter panels, pillars, lift gate and the area between the two body side moldings. The second color is used for the roof, front fenders, lower body and wheels. No conventional two-toning is available on any model in the 2400 Series.

\* - On Series 2100 models conventional two-toning is available when the first color is used on the roof panel only. The second color is used for the remaining areas. In addition a second method of two-toning uses the first color on the hood, upper side and rear deck or tail gate. The second color is used for the roof, pillars, lower body and wheels and lift gate.



## INTERIOR UPHOLSTERY AND COLOR COMBINATIONS \*

### 1500 SERIES

#### SEDANS

Models 1502-03-12

Color: Gold and Black

Seats: Black pattern cloth cushion and backrest with gold ribbed vinyl cushion and backrest bolsters. Gold ribbed vinyl front seat back insert on 1502, 1503, black vinyl on 1512. Black vinyl lower cross bar. Beige vinyl front seat end panels.

Sidewalls: Gold ribbed vinyl upper and lower panel, black pattern vinyl center panel; black embossed composition board quarter panels and rear partition in model 1512.

Horn Button: Beige paint, framed in bright metal with bright metal shield.

Headling and Sunshade: Beige napped cloth. Beige vinyl sunshade binding and grip.

Floor Covering: Front and rear - textured black rubber; luggage compartment - ribbed black rubber.

#### HANDYMAN

Model 1529

Color: Gold and Charcoal, Gold and Dark Green.

#### SEDANS AND COUPES

Models 2102-03-13-54

Color: Ivory with Charcoal, Dark Green or Dark Blue.

Seats: Dark tone dot-and-dash pattern cloth on cushions and backrests. Ivory textured vinyl facings, cushion and backrest bolsters and front seat end panels. Black, dark green or dark blue vinyl front seat back insert and lower cross bar.

Sidewalls: Ivory textured vinyl upper and lower panels. Dark tone pattern vinyl center panel.

Arm Rests: Black, dark green or dark blue vinyl upper, plastic lower.

Headlining and sunshades: Dark tone plain napped cloth; black, dark green or dark blue vinyl binding and grip.

Floor covering: Front and rear - black, dark green or dark blue vinyl coated rubber mat; luggage compartment - ribbed black rubber.

#### HANDYMAN, TOWNSMAN AND BEAUVILLE

Models 2109-19-29

Colors: Ivory with Charcoal, Dark Green or Dark Turquoise.

Seats: Dark tone, patch pattern vinyl cushion and backrest. Ivory textured vinyl backrest bolster, cushion facings, backrest facings. Dark tone vinyl front seat back insert and lower cross bar. Ivory vinyl front seat end panels.

#### BEAUVILLE

Model 2419

Colors: Red and Beige, two-tone Turquoise, Yellow and Charcoal, Tan and Copper, Ivory and Charcoal, Cream and Charcoal.

Seats: Dark tone or beige or tan bark pattern cloth cushions and backrests. Light tone or copper or red vinyl cushion and backrest bolsters, cushion and backrest facings. Light tone or copper or red extruded vinyl welts, bright plastic buttons. Dark tone or beige ribbed vinyl front seat back insert, dark tone vinyl lower cross bar. Light tone vinyl front seat

11-1-55: \* Data revised 5-9-56

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Seats: Charcoal or dark green stipple-textured vinyl cushions, backrests and front seat back insert. Gold ribbed vinyl cushion and backrest bolsters. Dark green or black vinyl lower cross bar, and front seat end panels.

Sidewalls: Gold ribbed vinyl upper and lower panel. Stipple textured vinyl center panel.

Headlining and sunshades: Beige vinyl

Floor covering: Black rubber mats on passenger compartment floor. Dark green or black ribbed linoleum on load compartment floor.

#### SEDAN DELIVERY

Model 1508

Color: Gold and Charcoal

Seat: (bucket type): Charcoal stipple-pattern vinyl cushion and backrest. Beige vinyl facings.

Sidewalls: Gold ribbed vinyl upper and lower panel. Charcoal textured vinyl center panel.

Headlining and sunshade: Beige vinyl

Load space sidewalls: Dark beige paint

Floor covering: Driver's compartment - textured black rubber; load space - black painted plywood.

### 2100 SERIES

Sidewalls: Ivory textured vinyl upper and lower panel. Dark tone patch pattern vinyl center panel.

Arm Rests: Front only, dark tone vinyl upper, dark ton plastic base.

Headlining and sunshades: Ivory, dark green or dark turquoise textured vinyl.

Floor covering: Front, center and rear - dark tone, vinyl coated rubber mat; load platform - dark tone ribbed linoleum.

#### CLUB COUPE

Model 2124

Color: Ivory with Black, Dark Green or Dark Turquoise.

Seats: Ivory elascofab backrest with dark saddle stitching. Dark tone elascofab backrest bolster, backrest top facing. Dark tone elascofab cushion with light saddle stitching. Ivory elascofab cushion and backrest outer facings; ivory vinyl front seat back insert; dark tone vinyl lower cross bar. Ivory vinyl front seat end panels.

Sidewalls: Ivory center panel with dark saddle stitching. Dark tone vinyl upper and lower panel.

Arm Rests: Dark tone vinyl upper, dark tone plastic base.

Headlining and sunshades: Ivory perforated vinyl.

Floor covering: Front and rear - dark tone carpet; luggage compartment - ribbed black rubber.

### 2400 SERIES

end panels with bright metal molding.

Sidewalls: Dark tone or yellow or cream ivory ribbed vinyl upper panel, light tone or black center panel, dark tone or yellow or ivory or cream center panel lower on front doors and lower panel.

Arm Rests: Build in front arm rests with light tone or black elascofab upper and lower.

Headlining and sunshades: Light tone vinyl

Floor covering: Dark tone, vinyl coated rubber mats on passenger compartment floor. Dark tone or yellow or cream ribbed linoleum on load compartment floor.

**INTERIOR UPHOLSTERY AND COLOR COMBINATIONS - Continued e x**  
2400 SERIES

**SEDANS - MODELS 2402-03**

Colors: Two-tone Green, Blue or Turquoise, Ivory and Charcoal, Tan and Copper and Yellow and Charcoal, and Cream and Charcoal.

Seats: Dark tone pattern cloth cushion and backrest. Light tone vinyl cushion and backrest bolster, cushion and backrest facings. Dark tone ribbed vinyl front seat back insert, dark tone vinyl lower cross bar. Bright plastic welts and buttons. Dark tone vinyl front seat end panels with bright metal molding.

Sidewalls: Dark tone or ivory or yellow or cream ribbed vinyl upper panel; light tone or black elascofab center panel, dark tone or ivory or yellow or cream vinyl lower center panel on front doors and dark tone or ivory or yellow or cream ribbed vinyl lower panel.

Arm Rests: Built-in arm rests on doors with light tone or black elascofab upper and lower. Light tone or black vinyl upper, light tone or black plastic base on rear compartment arm rests in model 2402.

Headlining and sunshades: Dark tone or tan plain napped cloth, dark tone or tan vinyl binding and grip.

Floor covering: Front and rear - dark, solid color carpet; luggage compartment - ribbed black rubber.

**NOMAD - MODEL 2429**

Colors: Two-tone Green, Blue or Turquoise, Tan and Copper, Red and Beige, Yellow and Charcoal, Ivory and Charcoal, and Cream and Charcoal.

Seats: Dark tone or tan or beige bark pattern cloth cushion and backrest. Light tone or copper or red vinyl cushion and backrest bolsters, cushion and backrest facings. Light tone or copper or red extruded vinyl welts; bright plastic buttons. Dark tone or tan or beige ribbed vinyl front seat back insert, dark tone vinyl lower cross bar. Light tone vinyl front seat end panels with bright metal molding.

Sidewalls: Dark tone or yellow or ivory or cream ribbed vinyl upper panel, light tone or black center panel, dark tone or yellow or ivory or cream center panel lower on front doors and lower panel.

Arm Rests: Build-in front arm rests with light tone or black elascofab upper and lower.

Headlining and sunshades: Light tone perforated vinyl.

Floor covering: Dark tone solid color carpet on passenger compartment floor. Dark tone or yellow or cream ribbed linoleum on load compartment floor.

**CONVERTIBLE - MODEL 2434**

Color: Ivory with Charcoal, Dark Turquoise or Red; Two-tone Green or Blue; Yellow and Charcoal; Tan and Copper; Cream and Charcoal.

Seats: Dark tone bark pattern vinyl cushion and backrest. Light tone, saddle stitched elascofab cushion bolster and backrest top facing. Light tone vinyl backrest bolster, backrest facings, cushion facings. Dark tone ribbed vinyl front seat back insert, dark tone vinyl lower cross bar. Light tone vinyl front seat end panels. Light tone extruded vinyl welts and bright plastic buttons.

Sidewalls: Dark tone or yellow or ivory or cream ribbed vinyl upper panel. Light tone or black elascofab center panel. Dark tone or yellow or ivory or cream elascofab lower center panel on front doors, and lower panel.

Arm Rests: Built-in front arm rests with light tone or black elascofab upper and lower. Light tone or black vinyl upper and lower rear arm rests.

Sunshades: Dark tone vinyl

Floor covering: Front and rear - Dark tone, solid color carpet; luggage compartment - ribbed black rubber.

Top Boot: Light tone elascofab.

**SPORT COUPE AND SPORT SEDAN - MODELS 2454-13**

Colors: Two-tone Green, Blue or Turquoise, Ivory and Charcoal, Tan and Copper, Red and Beige or Yellow and Charcoal or Cream and Charcoal.

Seats: Dark tone or beige or tan bark pattern cloth cushion and backrest. Light tone or red or copper vinyl cushion and backrest bolsters and facings. Dark tone or tan or beige vinyl front seat back insert, dark tone vinyl lower cross bar. Bright plastic welts and buttons. Light tone vinyl front seat end panels.

Sidewalls: Dark tone or ivory or yellow or cream ribbed vinyl upper panel, light tone or black elascofab center panel; dark tone or ivory or yellow or cream vinyl center panel lower on front doors, and dark tone or ivory or yellow or cream ribbed vinyl lower panel.

Arm Rests: Build-in arm rests with light tone or black elascofab upper and lower, front and rear on model 2413 and front only on 2454; light tone or black elascofab upper and vinyl lower rear arm rest on 2454.

Headlining and sunshades: Light tone perforated vinyl.

Floor covering: Front and rear - dark tone carpet; luggage compartment - ribbed black rubber.

**BODY GLASS**

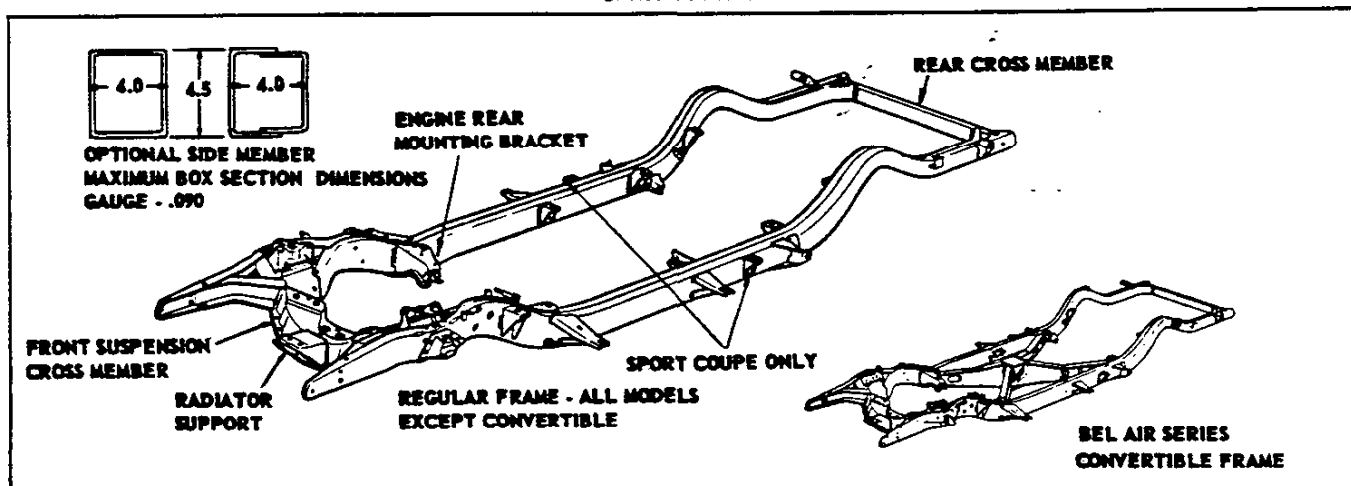
MODELS	1503	1502	1512	2113	2154	2434	1529	2109	2129	1508
	2103	2102		2154	2154			2119	2129	
	2403	2124		2413				2419	2429	
		2402		2454						
Windshield	Laminated safety plate, curved 1-piece									
Front door	Laminated safety plate									
Drop glass										
Side rear door	Drop glass	LSP						LSP		
Rear quarter windows *	Movable section	Drop Glass	LSP						Front, LSP (2129 Only)	
		Sliding Glass							Front, LSP (2429 Only)	
		Pivoting Glass				LSP				
	Fixed Section	Safety Solid Plate		Safety Solid Plate			Front SSP	Laminated Safety Plate	Rear Laminated Safety Plate	
							Rear LSP			
Rear window (Backlite)	Safety solid plate, curved				Vinyl Plastic	Safety solid plate, curved				

\* - On models 1529, 2129 and 2429 the front and rear sections are separated by a division post similar to the ventipane post used on the front doors.

LSP - Laminated safety plate. SSP - Safety solid plate.

11-1-55 e Data revised, x Data added 5-9-56

### CHASSIS FRAME



Make ----- Various  
 Type ----- Box Girder  
 Material ----- Hot rolled pickled steel  
 Material yield point ----- 33,000 lbs / sq. in.  
 Material elongation ----- 25% min in 2 inches

**Construction:**

- Side members ----- Tubular stock rolled to rectangular section or two lapped channel sections welded together.
- Front suspension cross member ----- Flanged channel section with welded-on bottom plate.
- Engine rear supports ----- Two stamped brackets welded to side members.
- Rear cross member ----- Single C-channel

**FRONT SUSPENSION**

Make ----- Own  
 Type ----- Independent, combining long and short wishbone arms with spherical joints and coil springs.  
 Rated capacity ----- 2450 lb.

**SPRING BUMPERS**

Material and number ----- Rubber; 1 each, L & RH  
 Location ----- Lower control arms

**WHEEL TRAVEL**

Vertical, loaded conditions (2/3 bumper compression) ----- 3.5 up and down  
 Wheel travel for steering ----- 32°-35° 30' from neutral to stop

**SPRINGS**

**Body mounting points:**

Convertible ----- 20  
 Sport Coupe, Sport Sedan ----- 16  
 9 Passenger Station Wagon ----- 16  
 All others ----- 14  
 Maximum overall length ----- 188.63  
 Maximum width (over side members) ----- 42  
**Side member section:**  
 Modulus (In.<sup>3</sup>) ----- 2.044  
 Moment of inertia (In.<sup>4</sup>) ----- 4.600

**CONVERTIBLE FRAME**

Intermediate cross members are added through the use of an X-shaped I-beamed structure.

Wheel to spring ratio ----- 1.9

**SHOCK ABSORBERS**

Make ----- Delco  
 Type ----- Direct, double-acting hydraulic  
 Mounting ----- Vertically from lower control arm through coil spring to front suspension cross member.  
 Model Number [----- 510F 22A  
 ----- 510F 21A  
 Valve Code [----- C5+8/OXJL 2.00  
 ----- C4.25J6/OXLI 1.5

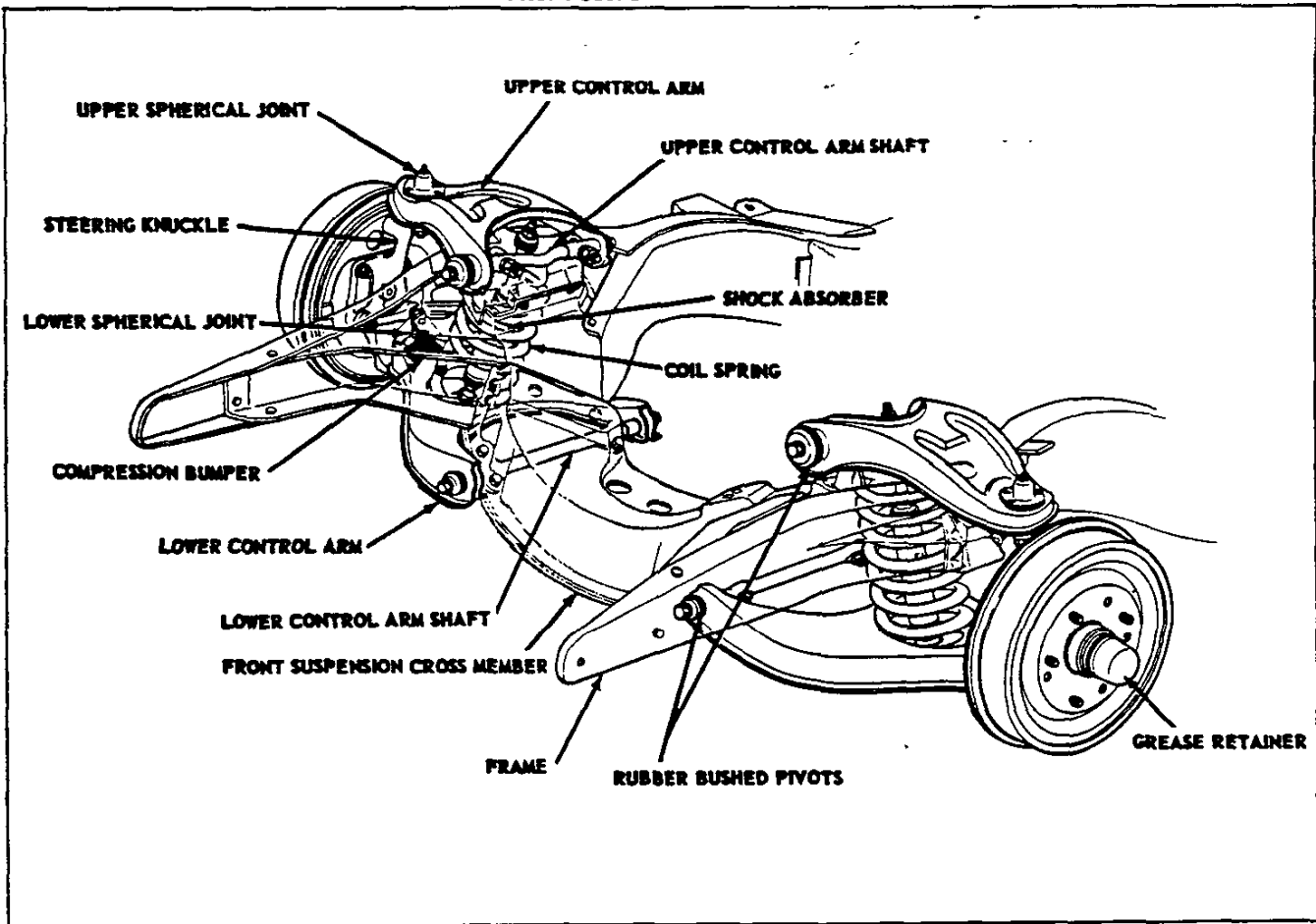
Piston diameter and travel ----- 1 x 4.69

Part Number *	3723902	3723903	3713966	3721371	3721372	3721373	3719736	3714506	3722423	
Make and type	Own, Right hand Helix									
Material	Chrome Alloy Steel									
Gauge (Mean)	.607		.623				.638			
Number of Coils	Total 10; Active 8.67									
Outside diameter	4.816		4.848				4.883			
Pitch diameter	4.209		4.225				4.245			
Height	Free	15.50	15.70	14.65	14.90	15.16	15.45	14.70	14.95	15.22
	Working	9.69@ 1630 Lbs.	9.69@ 1710 Lbs.	9.69@ 1550 Lbs.	9.69@ 1630 Lbs.	9.69@ 1710 Lbs.	9.69@ 1790 Lbs.	9.69@ 1695 Lbs.	9.69@ 1785 Lbs.	9.69@ 1875 Lbs.
Height under curb weight	1027	1028	1004	1025	1021	1027	1033	979	979	
Capacity at ground	975	1000	925	975	1000	1050	1000	1050	1100	
Deflection Rate	At spring		311 Lb/in.				340 Lb/in.			
	At wheel		109 Lb/in.				120 Lb/in.			

\*-For model application, see Production Parts List

11-1-55

FRONT SUSPENSION - Continued



STEERING KNUCKLE

Type-----Reverse Elliott in combination with spherical joints eliminating kingpin and steering knuckle support.

Spindle diameters:

At inner bearing----- 1.2490-1.2495  
At outer bearing----- .7490-.7495

SPHERICAL JOINTS

Type-----Ball stud and socket in assembly; self-adjusting for wear.

Number----- 1 each, upper & lower; LH & RH

Ball stud:

Material-----H. R. steel, hardened and ground.  
Attachment----- Bolted to steering knuckle upper or lower arm.

Ball stud seating material----- Asbestos composition (within socket).

Ball stud seal----- Water tight steel-reinforced rubber unit with nylon bushing.

Socket:

Type and material----- Two inverted cup-shaped steel stampings bonded by grease-tight weld. Upper socket assembly is spring-loaded to compensate for wear and vertical movement.

Attachment-----Riveted to upper or lower control arms.

Lubrication----- Through high pressure fitting at top of each socket.

11-1-55 • Data revised 5-9-56

CHEVROLET 1956 SPECIFICATIONS - PASSENGER

BUSHINGS

Type & number----- Friction; 4  
(2 each pivot shaft, Left hand and Right hand)

Material----- Steel encased rubber

Size:

Upper control arm pivot shaft-----  
----- .670-.677ID X 1.76 approximately

Lower control arm pivot shaft-----  
----- .737-.744ID X 2.08 approximately

Mounting-----Through control arms and onto pivot shaft ends.

Attachment-----By bolts in shaft ends holding bushing retainers.

BEARINGS

Wheel bearing lubricant----- High melting-point grease  
Anti-friction bearings----- See page 192

FRONT WHEEL ALIGNMENT (Service Data)

Camber, caster adjustment-----By shims between upper control arm cross shaft & frame.

Camber----- 0° to 1°

Caster----- + 1/2° to + 1-1/2°

Steering axis inclination----- 3-1/2°-4-1/2°

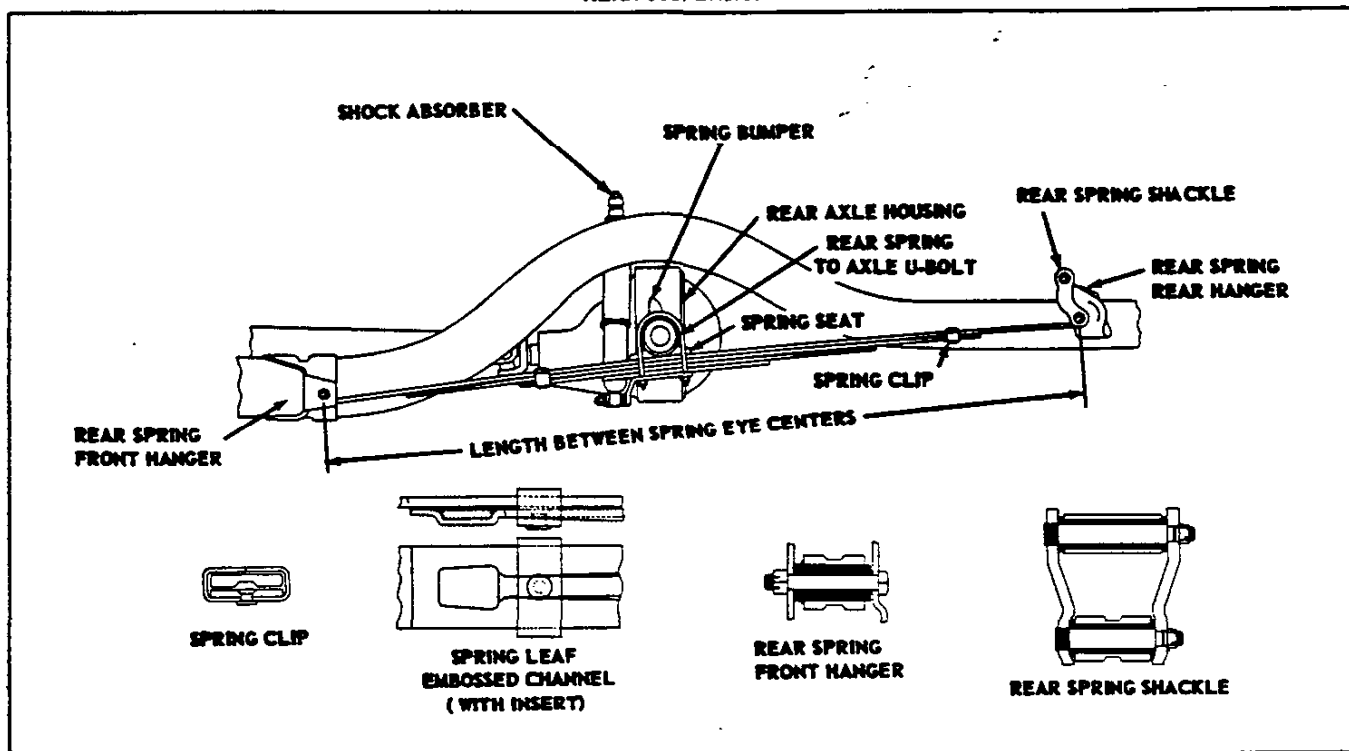
Toe-in----- 1/8 to 3/16

Toe-out on turns:

Outside wheel----- 18° 10"

Inside wheel----- 20°

## REAR SUSPENSION



### SPRINGS

Make and type ----- Own, semi-elliptic  
 Material ----- Chrome carbon steel  
 Length and width ----- 58 x 2  
 Leaf end type ----- Embossed, tapered  
 Spring clips ----- Clinch type; two on four leaf spring; three all others  
 Spring leaf insert ----- Composition Nylon

ITEM	3720952	3721072	3721090	3730075 •
Part Number *				
Number of leaves	4	5	5	6
Thickness of leaves	#1 & 2			
	#3		.313	.347
	#4	.291		
	#5		.291	
	#6			.291
Total thickness	1.298	1.611	1.679	2.026
Leaf ends drilled for attaching inserts	2 & 3		2, 3 & 4	
Average rate of deflection (lb/in.)	112	126	138	165
Camber height at design load		.125 negative		
Capacity at spring pad (lb)	820	900	1000	1200
Capacity at ground (lb)	1000	1050	1150	1350

\* - For model application see Standard Production Parts List.

### SPRING MOUNTING

Type ----- Parallel, 46 between centers.  
 Front eye bolt diameter ----- .493-.500  
 Front eye bolt bushing, type and size ----- Rubber bushed, .505 min ID X 2.552-2.572 long  
 Shackle mounting ----- Outrigger type  
 Shackle type ----- Rubber bushed  
 Shackle pin OD ----- .623-.627  
 Shackle bushing, size and number ----- 1.110-1.120 OD; .625-.630 ID, two per shackle pin  
 Spring to axle attachment ----- 2 U-bolts (.50 dia) to spring seat on rear axle housing

### SHOCK ABSORBER

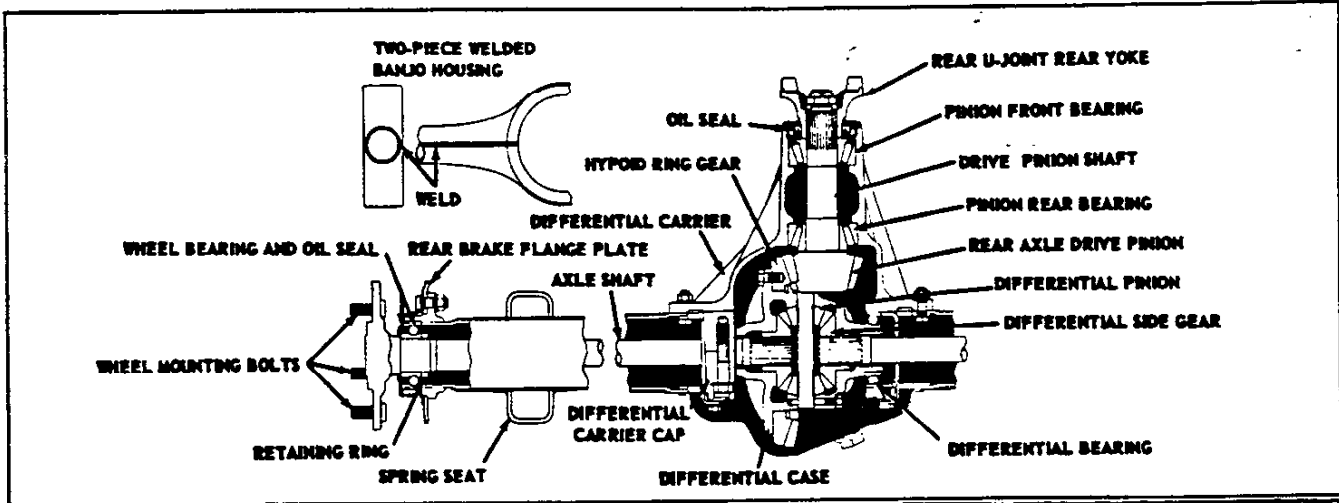
Make and type ----- Delco, hydraulic; direct double-acting  
 Model number ----- 560 Y 23 A-24 A  
 Valve code ----- C4. 25J6/OXGL 1.75, C4. 5G8/OXJL 1.5  
 Piston diameter and travel ----- 1, 8.94

11-1-55 • Data revised 5-9-56

32 - REAR SUSPENSION

CHEVROLET 1956 SPECIFICATIONS - PASSENGER

REAR AXLE • z



GENERAL DATA z

Make ----- Own  
 Type ----- Semi-floating  
 Rating ----- 3000 lb  
 Hotchkiss drive:  
 Drive taken through ----- Springs  
 Torque taken through ----- Springs  
 Housing type -----  
 ----- Pressed steel banjo, 2-piece welded construction with axle housing rear cover welded in place  
 Lubricant capacity ----- 4 Pints  
 Lubricant recommended ----- SAE 90 passenger car hypoid lubricant or "Multi-Purpose" lubricant  
 Bearings ----- Anti-friction, see page 192

GEARS

Final drive:

Transmission	3-Speed Conventional	3-Speed Overdrive	Powerglide
Type	Spiral hypoid		
Ratio	3.70:1	4.11:1	3.55:1
Teeth ring gear & pinion	37 & 10	37 & 9	39 & 11

Gear backlash ----- .005-.008

Pinion gear:

Mounting ----- Overhung  
 Thrust taken by ----- Pinion rear bearing  
 Adjustment -----  
 ----- By shims with .027 average thickness

\* - Axle ratio x transmission ratio

⊖ - Gear reduction x maximum net engine torque x efficiency factor (.90 in direct drive, .85 all others).

ITEM		Reg.	Overdrive	RPO 303
Axle Ratio		3.70:1	4.11:1	3.70:1
Overdrive Ratio			Out	In
Total Gear Reduction	1st	10.88	12.08	8.46
	2nd	6.22	6.90	4.83
	3rd	3.70	4.11	2.88
	Reverse	10.88	12.08	8.14
Maximum Axle Shaft Torque In		6 Cylinder	1803	2002
Low Gear (Ft.Lb)⊖		8 Cylinder (RPO)	2330	2588
			1812	1743

Powerglide:

Total torque multiplication (final drive gears, transmission, torque converter and planetary gears):  
 Drive ⊙ ----- 3.55:1 to 13.57:1  
 Low ----- 6.46:1 to 13.57:1  
 Reverse ----- 6.46:1 to 13.57:1

AXLE SHAFT

Type and material ----- Forged and hardened steel with wheel drive flange forged integral with shaft.  
 Minimum diameter ----- 1.06  
 Oil seal ----- Steel-encased spring loaded synthetic rubber (part of rear wheel bearing assembly)  
 Hub attachment ----- Bolted to integrally forged wheel drive flange

DIFFERENTIAL

Type ----- Two pinion with cast arma-steel housing  
 Bearing cap bolt torque ----- 70-75 ft lb

BRAKES

POWER BRAKES (RPO 412)

Type ----- Vacuum assisted hydraulic unit with integral master cylinder  
 Components ----- Hydraulic power unit mounted on dash under hood.  
 Location ----- Hydraulic power unit mounted on dash under hood. Vacuum reserve tank mounted on left front fender splash pan.  
 Braking assistance %  
 By vacuum cylinder ----- 40%  
 By foot pedal ----- 60%  
 % - These figures are approximate depending on the severity of stop.

Braking ratio:

Pedal ----- 1.55:1  
 Hydraulic ----- 10.6:1  
 Overall ----- 16.4:1  
 Pedal, load to actuate power brakes ----- 10 lb  
 Stop light switch:  
 Type ----- Hydraulic  
 Mounting ----- On hydraulic power unit  
 Fluid:  
 Type ----- Same as regular brakes  
 Capacity (Complete brake system) ----- 0.80 Pints

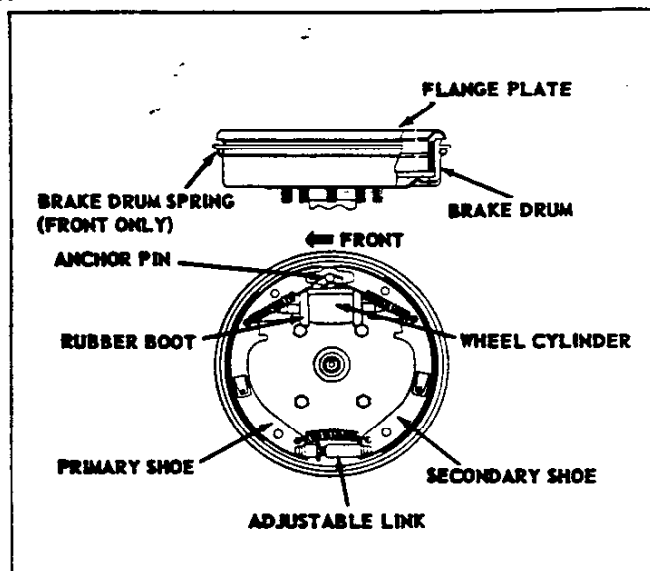
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**BRAKES - Continued**

**SERVICE BRAKES**

Make----- Own  
 Type----- Servo, four wheel, hydraulic  
 Brake drum:  
 Type----- Composite  
 (cast alloy iron rim & pressed steel web)  
 Diameter, front and rear----- 11  
 Total effective area----- 259 sq. in.  
 Distribution of braking effort (theoretical):  
 On front wheels----- 56%  
 On rear wheels----- 44%  
 Brake lining: (Dimensions after grinding)  
 Material----- Full molded asbestos composition  
 Width, front brakes----- 2.00  
 Width, rear brakes----- 1.75  
 Thickness----- .175  
 Length per wheel----- 20.98 ●  
 Length, primary shoe----- 9.29 ●  
 Length, secondary shoe----- 11.69 ●  
 Method of attachment to shoe----- Bonded  
 Clearance----- Adjust to a  
 light drag and back-up seven notches.  
 Total effective area----- 157 ● sq. in.  
 Main Cylinder:  
 Mounting----- Under hood on dash panel  
 Diameter----- 1  
 Piston travel----- 1  
 Wheel cylinders:  
 Mounting----- Front, on wheel spindles;  
 rear on backing plate.  
 Front, inside diameter----- 1.125  
 Rear, inside diameter----- 1  
 Piston travel----- .221  
 Braking ratio:  
 Pedal----- 6.42:1  
 Hydraulic----- 4.55:1 ●  
 Total overall----- 29.2:1 ●

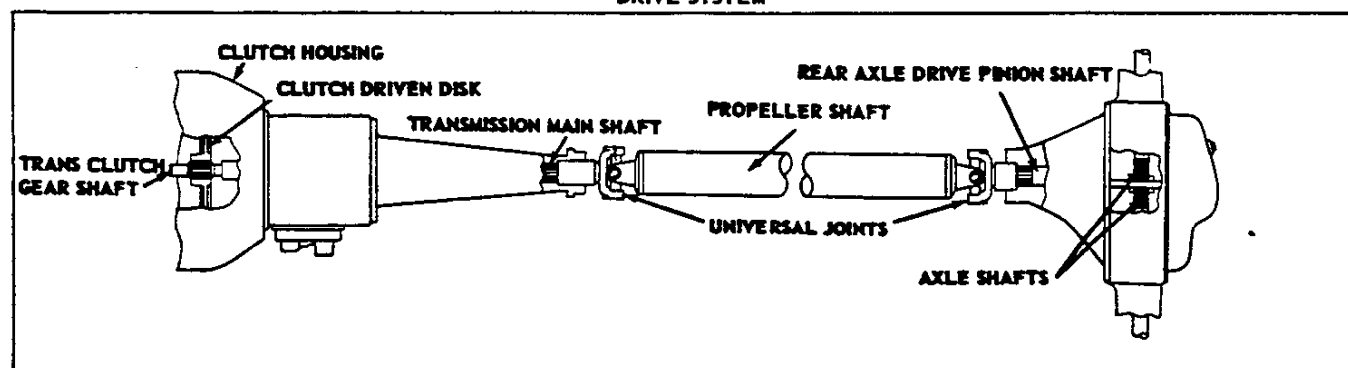


Foot pedal:  
 Type----- Pendant  
 Travel----- 6.38  
 Mounting----- On brace under dash  
 Pad cover material----- Rubber  
 Brake system fluid capacity----- .70 pint approx.  
 Brake fluid recommended----- Delco Super 11

**PARKING BRAKE**

Make and type----- Own, mechanical pull rods  
 and cables operate the two rear service brakes.  
 Total effective lining area----- 73 sq. in. ●  
 Control----- T-handle on ratchet-rod (pull to apply,  
 turn 60° counter clockwise to release, mounted be-  
 low instrument panel to left of steering column.

**DRIVE SYSTEM**



**SPLINES**

**FUNCTION OF SPLINES:**  
 Clutch disc hub to transmission clutch gear shaft----- 10 straight side  
 Transmission mainshaft to U-joint front yoke----- 16 involute  
 Propeller shaft pinion flange to rear axle pinion shaft----- 17 involute  
 Differential side gears to rear axle shafts----- 17 involute

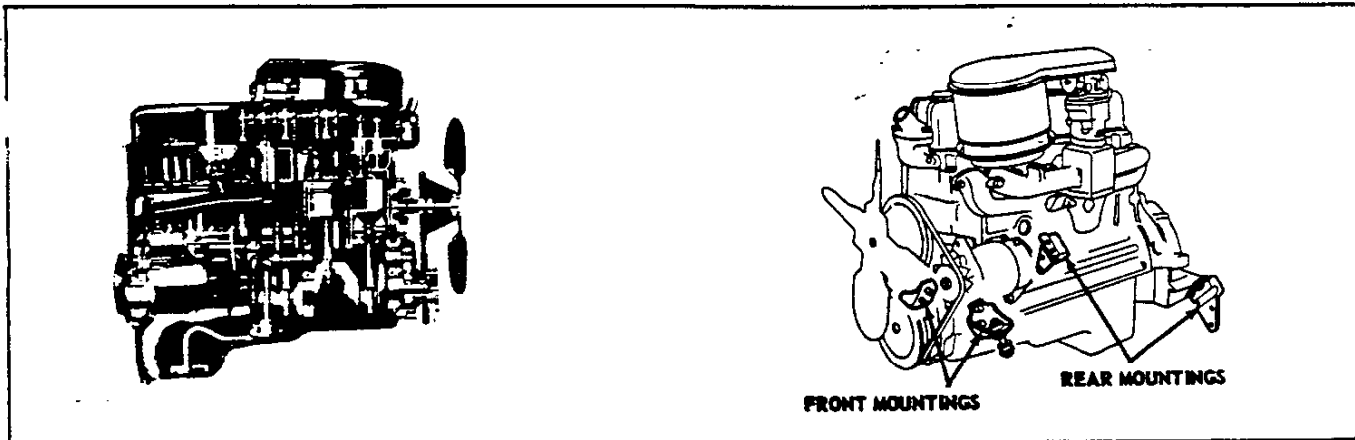
**NUMBER AND TYPE OF SPLINES**

**UNIVERSAL JOINT**

**PROPELLER SHAFT**  
 Make and type----- Own, tubular  
 Tube O.D.----- 2.995-3.005  
 Tube wall thickness----- .062-.068  
 Oil seal----- Steel-reinforced, spring loaded leather  
 Front and rear ends type----- Welded yoke  
 11-1-55 ● Data revised 5-9-56

Make----- Own  
 Type----- 2, yoke and spider (trunnion)  
 Trunnion material----- Drop-forged steel, hardened  
 Trunnion pin diameter----- .5955-.5960  
 Bearing, front & rear ----- Anti-friction, see page 192  
 Lubrication----- Bearings packed for life

## ENGINE - GENERAL



### BASIC ENGINE DATA

Engine	Conventional	Powerglide
Piston displacement (cu. in.)	235.5	
Type	Valve-in-head	
Number of cylinder	6	
Bore and stroke (Nominal)	3.56 x 3.94	
Compression Ratio	8.0:1	
Taxable (SAE) Horsepower	30.4	
Idling Speed (RPM)	475 In Neutral	425 In Drive
Compression pressure at cranking speed, engine hot (PSI)	130 (or better)	
Dry Weights (Pounds)	Engine	554
	Engine and transmission	776
Lubrication	Full Pressure	
Power Plant Mounting	4-Point rubber-cushioned, strut-type front mounts & shear-type rear mounts.	

### ADVERTISED MAXIMUM ENGINE PERFORMANCE

Engine	Conventional & Powerglide	
Brake horsepower	Gross	140 @ 4200 RPM
	Net	125 @ 4000 RPM
Torque (ft lb)	Gross	210 @ 2400 RPM
	Net	195 @ 2000 RPM

### ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed	3-Speed with Overdrive		Powerglide
		O.D. Locked-Out	O.D. Locked-In	
Rear Axle Ratio	3.70:1	4.11:1		3.55:1
Tire Size	6.70-15-4 ply; except 2119 & 2419, 6.70-15-6 ply			
Crankshaft Revolutions Per Mile	2794.0	3103.0	2172.1	2680.3
Crankshaft RPM @ 1 MPH	Low & Reverse	136.9	152.0	106.4§
	Second	78.2	86.9	60.8
	Direct †	46.6	51.7	36.2
Piston travel (Ft/Mile)	1834.0	2036.3	1425.3	1759.0

### ADVERTISED CAR PERFORMANCE

The following information is based on model 2103, 4-Door Sedan (with and without Powerglide) at performance weight (Curb weight plus 600 lbs to represent four passengers):

Model	2103	2103 PG
Performance Weight (Pounds)	3947	4044
Pounds/Gross Horsepower	28.19	28.89
Pounds/Cu. In. Piston Displacement	16.76	17.17
Gross Horsepower/Cu. In. Displacement	.594	
Power Displacement (Cu. ft/Mile) %	190.39	182.62 §
Displacement Factor (Cu. ft/Ton Mile) #	96.47	90.32 §

■ - Including clutch for Conventional or Overdrive Transmission

\* - Including clutch with 3-Speed transmission. § - Including clutch with Overdrive

§ - Applicable to low gear only. Overdrive does not function in reverse.

% - Crankshaft rev/mile x piston displacement + 2 † - Also known as N/V factor

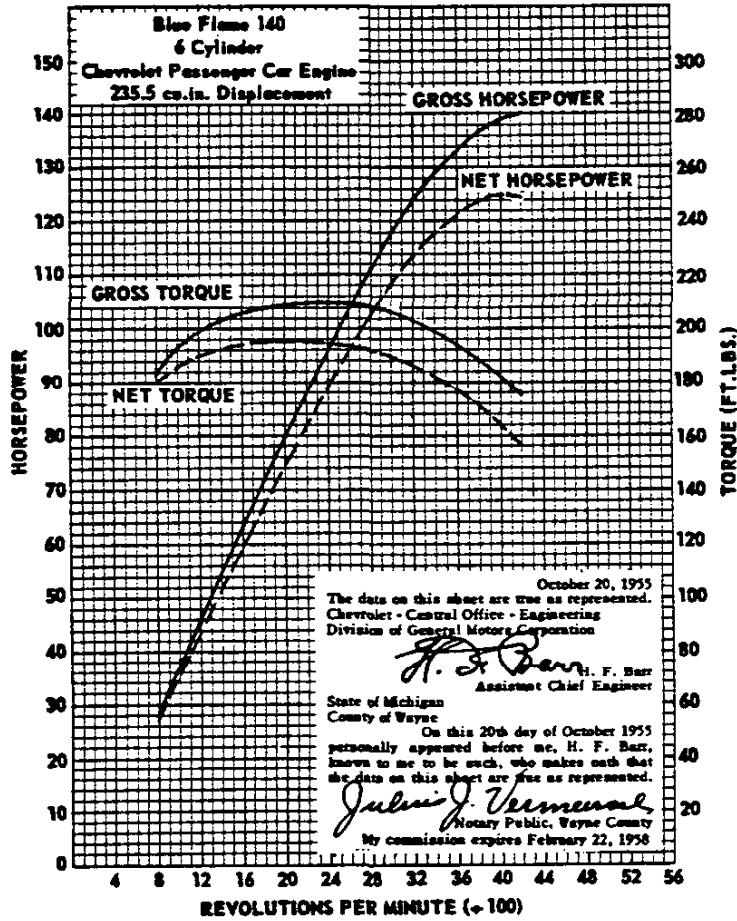
1728

# - Power displacement divided by the performance weight in tons.

§ - Data computed assuming zero slippage in the torque converter.

† - Determined by 2.56

## ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17440-18. They represent the full throttle performance of a New Blue Flame 140 six cylinder passenger car engine with (235.5 cu.in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60°F.

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

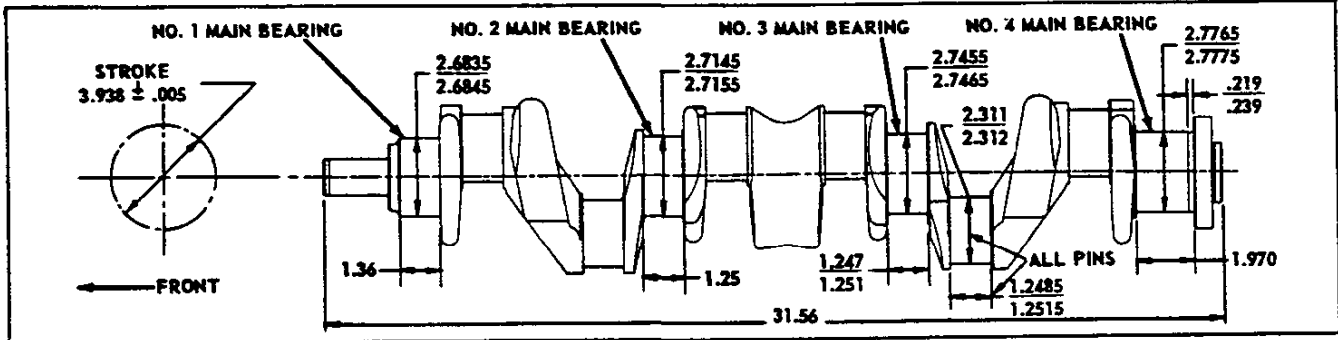
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

GROSS POWER and TORQUE were obtained in a regular  
 11-1-55  
 36 - ENGINE, SIX CYLINDER

**CYLINDER CASE AND HEAD**

Material ----- Cast alloy iron Bore diameter -----  
 Cylinder head bolt torque ----- 90-95 ft lb ----- 3.5620-3.5640

**CRANKSHAFT AND BEARINGS  $\pm$**



**CRANKSHAFT**

**MAIN BEARINGS**

Material ----- Drop-forged steel  
 Weight (crankshaft & pilot bearing assembly) ----- 80 lb  
 End play ----- .0035-.0095  
 Counter weights ----- 7  
 Stroke ----- 3.938 ± .005

Type ----- Precision, removable  
 Clearance --- Brg 1-2 ----- .0008-.0024  
 --- Brg 3-4 ----- .0010-.0026  
 End thrust against ----- #3 bearing  
 Bearing cap bolt torque -----  
 ----- 100-110 ft lb with oiled thread

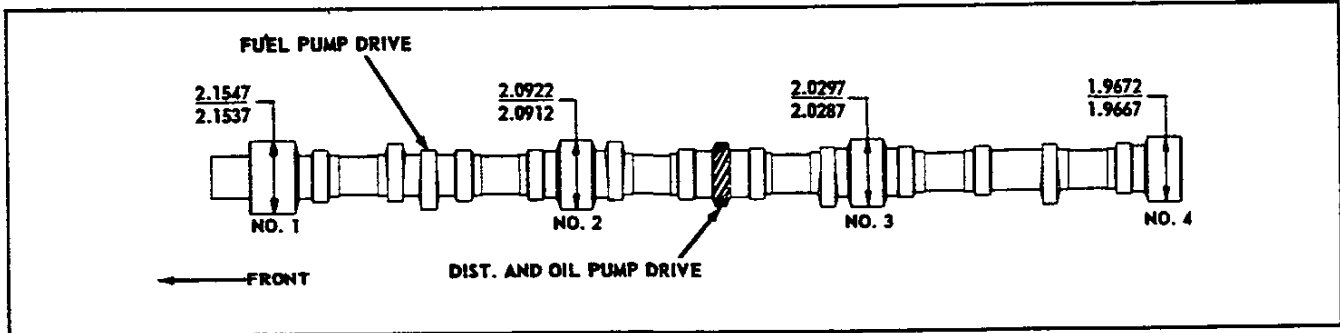
Brg.	Theo I.D.*	Eff Length †	Proj Area ‡
1	2.6856	1.063	2.855 sq in.
2	2.7166	.907	2.464 sq in.
3	2.7478	.982	2.700 sq in.
4	2.7788	1.189	3.304 sq in.

\* Journal dia plus clearance  
 † Overall length minus chamfers  
 ‡ Base on theoretical I. D. and effective length

**HARMONIC BALANCER  
 (Vibration Damper)**

Type -----  
 ----- Oscillating (rubber floated)  
 Crankshaft pulley:  
 Pitch diameter ----- 6.64

**CAMSHAFT AND BEARINGS**



**CAMSHAFT**

Driven gear (on crankshaft) material ----- Steel

Material ----- Cast alloy iron  
 End play ----- .003-.007  
 Thrust taken by ----- Thrust plate between  
 Driven timing gear and camshaft #1 journal front face.  
 Ramp: Inlet and Exhaust  
 Opening ----- .00549, 15° long  
 Closing ----- .00705, 29° long

**BEARINGS**

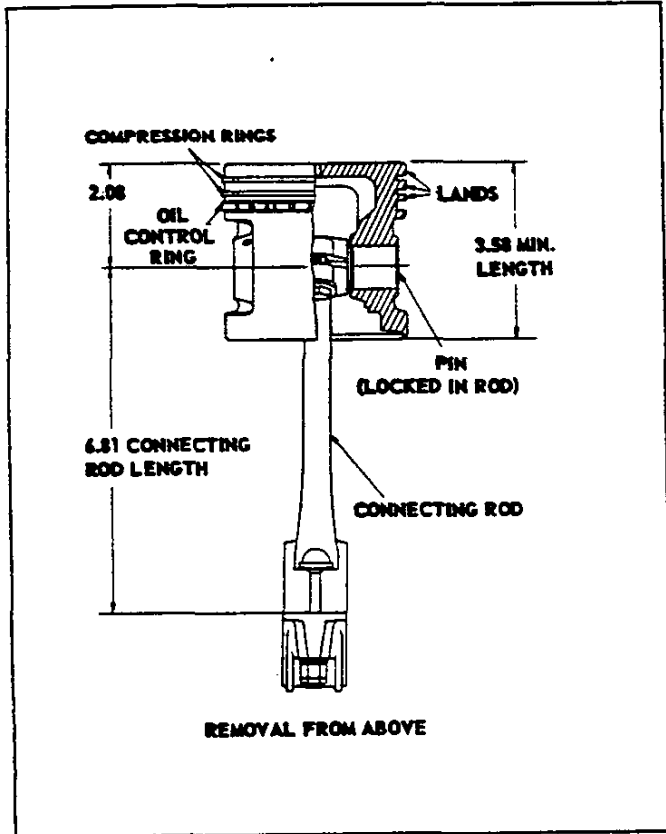
Brg.	Ream Dia.	Overall Length	Proj Area ⊕
1	2.1562	1.120	2.415 sq in
2	2.0937	0.940	1.968 sq in
3	2.0312	0.940	1.909 sq in
4	1.9687	0.938	1.846 sq in

⊕ - Based on ream diameter and overall length as shown.

**DRIVE**

Make ----- Own  
 Type ----- Helical gear  
 Driven gear (on camshaft) material -----  
 ----- Bakelite and fabric comp. with steel hub

**PISTON - PIN - RINGS**



**PISTON**

Make ----- Own  
 Features----- Flathead,  
 tin plated, oval with controlled thermo expansion  
 Material ---- Cast alloy aluminum with steel struts  
 Top land clearance in cylinder bore ----- .033-.042\*  
 Land clearance in cylinder bore ----- .028-.036  
 Compression and oil ring groove depth --- .199-.205  
 Oil ring holes, number and size ----- 8, .156 drill  
 Head thickness at center ----- .235-.245

**CONNECTING RODS**

Material ----- Drop-forged steel  
 Rod width at piston pin ----- 1.126-1.129  
 Rod width at crank pin ----- 1.2415-1.2435  
 Crank pin bearing:  
 Type ----- Precision interchangeable insert  
 Material----- Steel backed, thin wall babbitt  
 I.D. (Theoretical) ----- 2.3132\*  
 Effective length ----- 1.008\*  
 \* - Crank pin diameter plus clearance.  
 @ - Overall length minus chamfers.  
 ‡ - Based on theoretical I.D. and effective length.

**PISTON PIN**

Type ----- Locked in rod  
 Material ----- Chromium steel (File hard case)  
 Diameter ----- .8660-.8665  
 Length ----- 3.168-3.198  
 Taper limit in full length----- .0002  
 Clearance in piston ----- .00015-.00025  
 Direction offset ----- Major thrust side  
 Offset in piston ----- .078

**COMPRESSION RINGS**

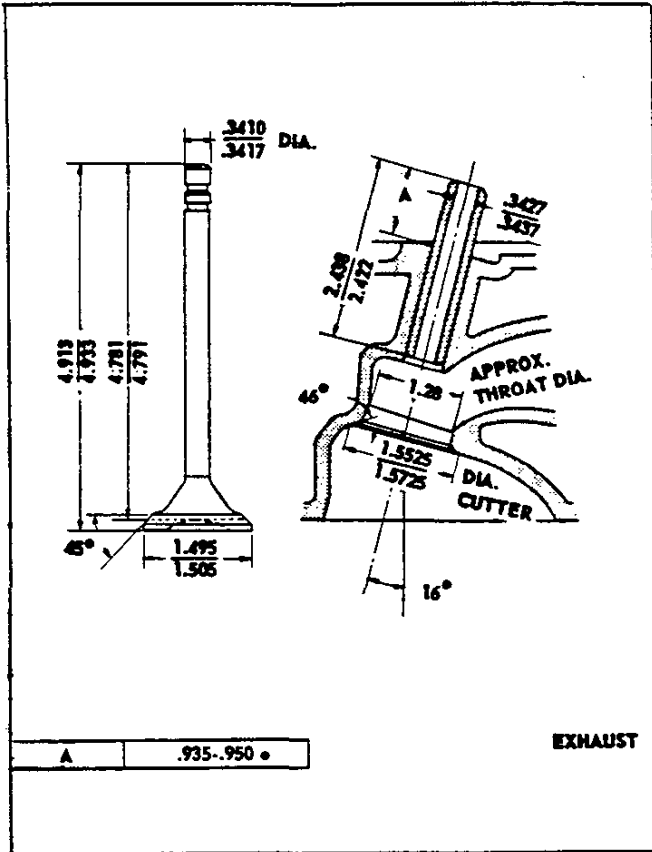
Material ----- Cast alloy iron, surface treated with a wear resistant coating  
 Type ----- Thick-wall, inside bevel or counter bored  
 Number per piston ----- 2  
 Width ----- .0930-.0935  
 Wall thickness ----- .168-.178  
 Gap clearance ----- .007-.017  
 Ring clearance in groove ----- .0020-.0035

**OIL CONTROL RING**

Material and type ----- Steel, multi-piece, 2 rails and spacer  
 Upper and lower rails ----- Flat spring or scale free tempered steel; full chrome plate O.D.  
 Spacer (Between rails) ----- Flat spring steel  
 Gap clearance (On rails) ----- .015-.055  
 Ring clearance in groove ----- .000-.008  
 Width ----- .181-.188  
 Maximum wall thickness (Rails) ----- .153

Vertical oil clearance o ----- .0007-.0027\*  
 Projected area per rod ----- 2.332 ‡  
 End play ----- .005-.010  
 Recommended nut torque, with oiled threads ----- 35-45 ft lb

VALVE TRAIN



VALVES

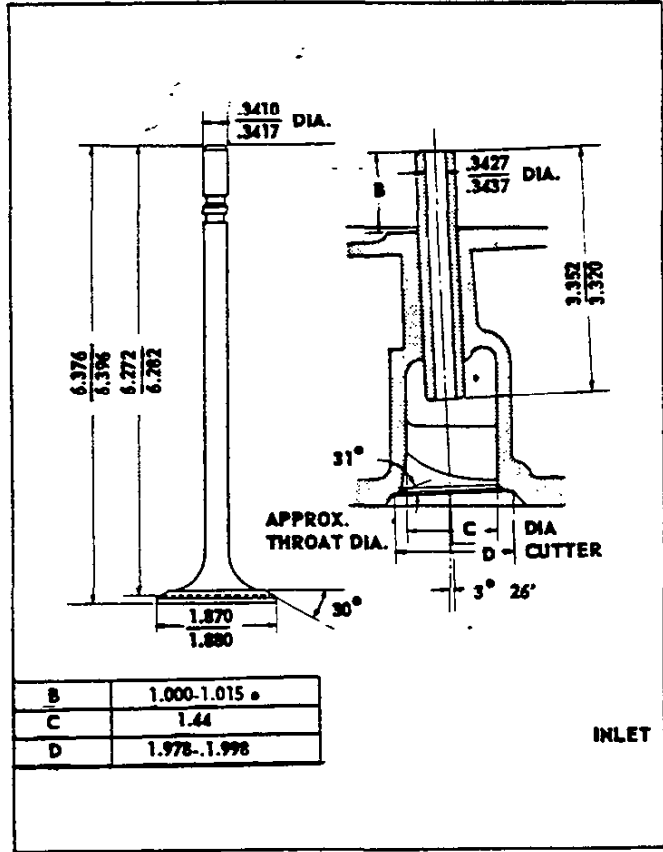
Make ----- Own  
 Material: -----  
 Exhaust valve ----- Silicon-Nickel-Chrome  
 Inlet valve ----- Silicon-chrome or Nickel-Chrome  
 Stem and style ----- Grooved for keys and oil seal  
 Lift: -----  
 Inlet & Exhaust ----- .4004  
 Face Angle: -----  
 Exhaust Valve ----- 45°  
 Inlet Valve ----- 30°  
 Distance between valve centers (Measured along centerline of engine) ----- 1.547  
 Valve lash (Hydraulic lifter): -----  
 At time of assembly ----- Basic adjustment  
 During operation ----- Self-adjusting

VALVE ROCKER ARMS

Material ----- Cast malleable iron  
 Ratio (Valve lift to cam lift) ----- 1.477:1  
 Torque of valve rocker shaft support bolts and nuts ----- 25-30 ft lb  
 Bearing: Type ----- Machined in rocker arm  
 Inside diameter ----- .7925-.7935  
 Length ----- .9354

VALVE SPRINGS

Length and pressure	Valve Closed	Inlet	1.858 @ 74-82 lb
		Exhaust	
	Valve Open	Inlet	1.462 @ 196-208 lb
		Exhaust	
	Free Length	Inlet	2.234
		Exhaust	



VALVE SEATS

Material ----- Cast alloy iron (Cylinder Head)  
 Angle: -----  
 Exhaust seat (In Head) ----- 46°  
 Inlet seat (In Head) ----- 31°  
 Width in head: -----  
 Exhaust seat ----- .062-.093  
 Inlet seat ----- .035-.060

VALVE STEM GUIDES

Type ----- Removable  
 Clearance with stem: Exhaust & inlet ----- .001-.0027

HYDRAULIC VALVE LIFTERS

Make ----- GM Diesel  
 Material: -----  
 Lifter body ----- Cast Iron  
 Lifter plunger and push rod seat ----- Steel  
 Lift: -----  
 Exhaust and Inlet ----- .2711  
 Oil flow ----- Oil enters the valve lifter oil gallery through a drilled passage from the camshaft rear and front bearings, where it flows to the hydraulic lifters. Oil enters the valve lifters through holes in the side of the lifter body and plunger. Oil enters the ram chamber around the steel ball.

## ENGINE LUBRICATION SYSTEM

### METHOD OF LUBRICATION

Type ----- Controlled, full pressure  
 Main bearings ----- Direct pressure  
 Connecting rods ----- Direct pressure  
 Cylinder walls and piston pins -----  
 ----- Pressurized jet cross sprayed  
 Camshaft bearings ----- Direct  
 Timing gears ----- Sprayed  
 Valve mechanism ----- Pressure and gravity  
 Hydraulic lifters ----- Pressure

### OIL PAN

Type ----- Rear sump with welded-in baffle  
 Capacity ----- 5-1/2 qt, dry; 5 qt, for refill  
 Drain ----- Drain plug in rear of pan  
 Torque, corner bolts ----- 12-1/2 to 15 ft lb  
 Torque, flange screws ----- 6 to 7-1/2 ft lb

### LUBRICANT RECOMMENDED \*

Temperature:	Grade
32°F	SAE 20W, SAE 20, or SAE 10W-30
0°F	SAE 10W or SAE 10W-30
Below 0°F	SAE 5W or SAE 5W-20

### OIL PUMP \*

Type and drive ----- Gear, from camshaft  
 Capacity (gallons per minute, hot oil) -----  
 ----- 4.01-4.22 @ 1170-1200 Engine RPM  
 Normal oil pressure - 30 PSI @ 1170-1200 Engine RPM  
 Width of gears ----- 1  
 Intake -----  
 --- "fixed type" with 16 mesh galvanized wire screen

### MISCELLANEOUS

Oil filler ----- Through valve rocker cover  
 Crankcase oil level gauge type ----- Rod  
 Oil pressure --- "Tell-tale" light in instrument cluster  
 Crankcase ventilation:  
 Inlet ----- Through  
 breather-type oil filler cap on valve rocker cover  
 Outlet ----- Through road draft pipe at right  
 side of engine  
 Oil filter (RPO 237): Make & type ---- AC, partial flow  
 Capacity (dry) ----- 1 quart  
 Flow ----- Approximately 39.5 gal/hr

## FUEL AND EXHAUST SYSTEM

### FUEL TANK

Type ----- 2 stamped pans, seam-welded together  
 Capacity:  
 Station Wagon & Sedan Delivery ----- 17 gallons  
 All others ----- 16 gallons  
 Mounting ----- Supported  
 by two straps attached to under body between rear  
 axle and rear cross member of frame; all models  
 Filler:  
 Location & access ----- Behind  
 hinged tail light in left rear fender, all models  
 Fuel gauge (tank unit):  
 Make & type ----- AC,  
 electric; riser pipe & filter integral with unit.  
 Filter ----- 40 mesh  
 metal filter cloth tube mounted on end of riser pipe.

### FUEL PUMP

Make & model ----- AC, model EM  
 Type ----- Mechanical (diaphragm) "high reserve"  
 Drive ----- From camshaft  
 Arm movement ----- 1/4 at camshaft  
 Air dome ----- Yes (Inlet & outlet)  
 Pressure at carburetor ----- 3.5 to 4.5 PSI  
 Filter ----- None (See Fuel Tank)

### INTAKE MANIFOLD

Manifold heat control ----- Automatic (thermostatic)

### OCTANE SELECTOR

Type ----- Manual, 20° Range, on distributor assy.

### CARBURETOR

Make ----- Rochester Products  
 Models:  
 For conventional transmission engine ----- 7009255  
 For Powerglide transmission engine ----- 7009254  
 Type ----- Single adjustment, balanced, downdraft  
 SAE Flange Size ----- 1.50  
 Size (Main venturi throat ID) ----- 1.34  
 Choke ----- Automatic  
 Basic idle adjustment, number of turns ----- 1-1/2  
 Float level, bottom of float to cover ----- 1.28

### EXHAUST SYSTEM

Muffler: Make ----- Various  
 Type ----- Diffusion and resonance, reverse flow  
 Size (body outside) ----- Model 2434  
 4 x 7-3/4 (oval) x 24; all others 4 x 7-3/4 (oval) x 30  
 Exhaust pipe: Type ----- Unitized (welded to muffler)  
 all except 2434.  
 Outside diameter ----- 2.0  
 Tail pipe inside diameter ----- 1.81  
 Mounting ----- Two point rubber suspension

### AIR CLEANER

Regular or RPO	Regular	216C
Flame arrester	Yes	
Silencer	Yes	
Filter element	Cu or Al Ribbon	Cactus fiber
Type	Oil-wetted	Oil bath
Dirt capacity		1 pound
Used with gov	No	Yes

## ENGINE COOLING SYSTEM

### METHOD OF COOLING

Cylinder cooling----- Full stroke length water jacket around each cylinder.  
 Cooling system capacity----- 16 qts  
 With heater----- 17 qts  
 Pressurized cooling system----- Yes  
 By-pass for recirculation-----  
 ----- Integral with front of block

### RADIATOR CORE

Make and type----- Harrison, cellular  
 Material----- All copper core  
 Size - .25 x .56 x 2, regular; .20 x .56 x 2, Powerglide  
 Frontal area----- 385 sq. in.  
 Radiator pressure capacity ----- 7.5 lb/sq. in. (max)  
 Drain cocks:  
 Number used and size ----- Two, 1/4  
 (one at bottom of radiator, left front side; one at rear of cylinder block, left side.)

### WATER PUMP

Type and drive----- Centrifugal, driven by fan belt  
 Location----- On front of cylinder and case  
 Capacity----- 55 gal/min @ 4000 engine RPM  
 Impeller type----- Vane  
 Bearing and shaft assembly:  
 Lubrication----- Permanent  
 Bearing, anti-friction----- See page 192  
 Seal assembly----- Spring loaded sheet brass encased synthetic rubber and plastic.

## ENGINE ELECTRICAL SYSTEM

### GENERATOR

Make and model----- Delco-Remy, 1100326  
 Type----- Two brush, shunt-wound  
 Rating:  
 Amperes----- 25  
 Volts----- 12-15  
 Ventilation----- Pulley fan  
 Drive----- Fan belt  
 Pulley size----- 2.88 pitch diameter x 36° V  
 Armature shaft bearings:  
 Commutator end----- Plain bushing  
 Drive end----- Anti-friction bearing, See page 192.  
 Brush spring tension----- 24-32 ounces  
 Rotation (drive end)----- Clockwise  
 Generator RPM/MPH----- 107 approximately  
 Car MPH (High gear)----- 26.2 approximately  
 Maximum Generator Output RPM (Hot)----- 2750 and up  
 Maximum Engine Output RPM (Hot)----- 1190  
 Speed ratio (Generator to engine)----- 2.31:1

### RPO 325 GENERATOR EQUIPMENT

Rating	Delco-Remy Model Number	
	Generator	Regulator
30 ampere	1102042	1119001 e
40 ampere (Low cut-in)	1106981 e	1119004

### COIL

Make and model----- Delco-Remy, 1115085  
 Resistor type----- External  
 Location----- Engine, right side  
 Amperes drawn - 4.0 Eng. stopped; 1.8 idling (500 RPM)

CONTINUED

### WATER THERMOSTAT

Make----- Harrison  
 Type----- Bellows operated poppet valve  
 Location----- In cylinder head water outlet  
 By-pass for recirculation----- None  
 Thermostatic action at 29" HG barometric pressure:  
 Starts to open----- 157°-163° F  
 Fully open----- 183° F

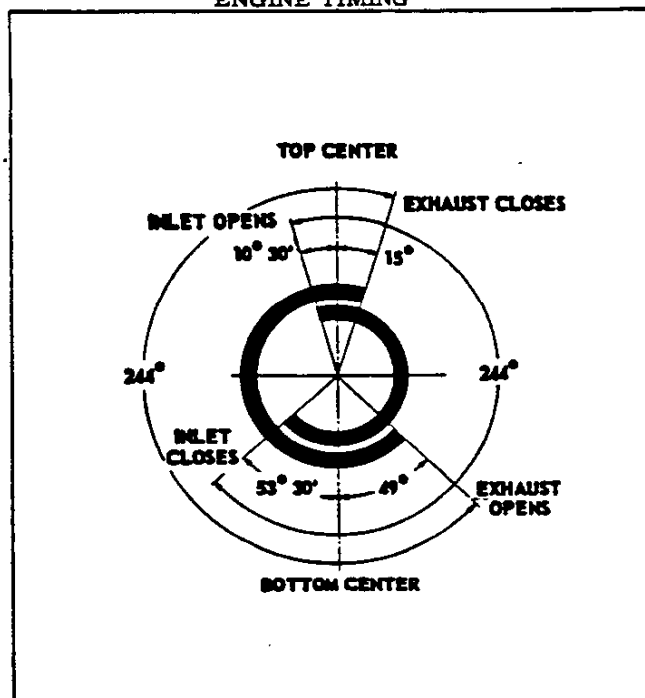
### RADIATOR HOSE

Function	Inlet	Outlet
Location	Cyl head to rad	Rad to water pump
Quantity	1	1
Type	Molded elbow	Compound curve
ID	1.5	1.75
Material	Fabric reinforced rubber	
Spring reinforcement	None	Brass coil spring

### ENGINE FAN AND BELT

Make and type----- Own, 4 staggered blades  
 Diameter----- 17  
 Pulley size----- 7, pitch diameter; 36° V  
 Fan to engine speed ratio----- .949:1  
 Fan belt:  
 Material----- Reinforced rubber  
 Construction----- Molded, one-piece; plain bottom, wrapped or cut sides.  
 Size --- .375 width; 40.5 approximately pitch length  
 Angle of V----- 37°-44°

### ENGINE TIMING



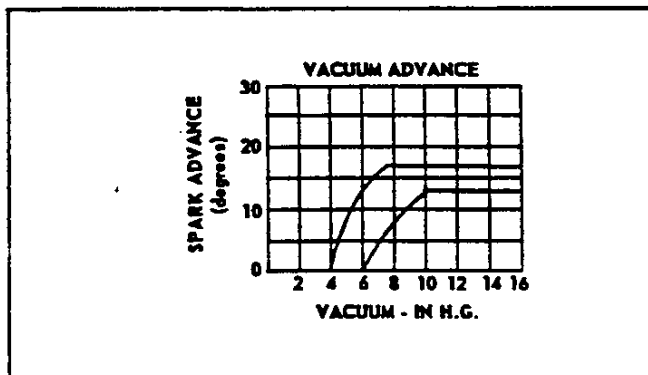
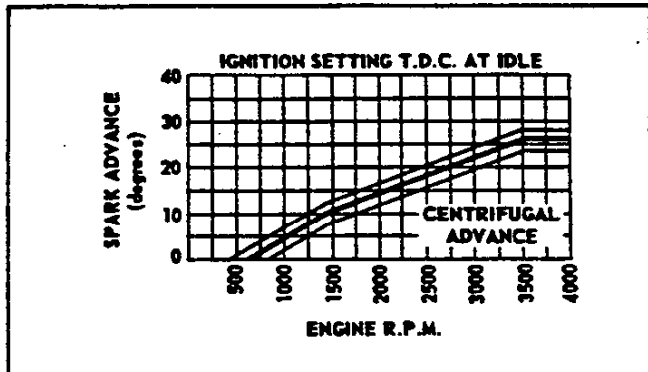
Timing spark advance (initial setting)----- T. D. C. •  
 Timing mark location----- On flywheel  
 Firing order----- 1-5-3-6-2-4



**ENGINE ELECTRICAL SYSTEM - Continued**

**SPARK ADVANCE**

Automatic Spark Advance	Advance Begins	Full Advance
Vacuum Control	4" to 6" Hg	13° to 17° @ 7.5" to 10" Hg
Centrifugal	450 to 750 RPM	24° to 28° @ 3500 RPM and up



**STARTING**

**Motor Control:**

Ignition switch, 4 positions: locked off, unlocked off, on, and start.

Starting operation -----  
-----Turn ignition key to extreme right.

Neutral safety switch (Powerglide only) wired in series with ignition switch and permits operation of motor with transmission control in "Neutral" or "Park" positions only.

**Motor Drive:**

Engagement type----- Positive shift solenoid  
Starter pinion meshes----- From point of flywheel  
No. of teeth----- 9, starter pinion; 168 flywheel  
Gear ratio flywheel----- 18.67:1

**SPARK PLUGS**

Make & model ----- AC, 44 ●  
Thread size ----- 14mm  
Recommended gap ----- .033-.038  
Recommended torque ----- 15-25 ft lb  
11-1-55 ● Data revised 5-9-56  
42 - ENGINE, SIX CYLINDER

**BATTERY**

Make & model -----Delco, 2SMR53-W ●  
Size----- 10.19" long x 6.75 wide x 8.81 high  
Rated voltage -----12  
Capacity ----- 53 amp hours at 20 hr. rate  
Bench normal charging rate ----- 3.5 amps  
Cell arrangement ----- 6, side by side  
Plates per cell ----- 9  
Terminal grounded ----- Negative  
Location ----- On right hand side of dash, under hood

**DISTRIBUTOR**

Make and model ----- Delco-Remy, 1112403  
Current source ----- Generator or battery  
Vacuum control part number -----1116089  
New breaker contact opening ----- .016-.021  
Cam angle at .016 point setting ----- 28° to 35°  
Breaker arm tension ----- 19-23 ounces

**STARTING MOTOR**

Make and model ----- Delco-Remy 1107644  
Number of field coils ----- 4  
Rotation (Drive end view) -----Clockwise  
Brush spring tension ----- 30 ounces  
Armature shaft bushings: -----  
Drive and commutator ends-----  
----- Graphite lubricated, bronze  
Testing: 

	<u>Lock test</u>	<u>No load test</u>
Amperage draw -----	415	65
Volts -----	5.8	10.4
Torque-----	12 ft lb	
RPM -----		7900

**VOLTAGE AND CURRENT REGULATOR**

Make and model----- Delco-Remy, 1119000  
Location ----- LH front fender skirt  
Type ----- Vibrator  
Voltage regulator:  
Maximum volts (controlled) ----- 14.5  
Temperature ----- Operating  
Average air gap ----- .075  
Current regulator:  
Amperes ----- 25  
Temperature----- Operating  
Average air gap ----- .075  
Cutout relay:  
Point closing, volts ----- 12.8  
Generator armature speed (Hot)----- 1300 RPM  
Car MPH (High Gear)-----11  
Average air gap and point gap ----- .020

**ENGINE - GENERAL  
BASIC ENGINE DATA**

Engine	Conventional	Powerglide
Piston displacement (Cu. In.)	265.0	
Type	Valve-in-head	
Number of cylinders	8	
Bore and Stroke (Nominal)	3.75 x 3.00	
Compression Ratio	8.0:1	
Taxable (SAE) Horsepower	45	
Idling Speed (RPM)	475 In Neutral	425 In Drive
Compression pressure @ cranking speed, engine hot (PSI)	150 (or better) *	
Dry Weights (Pounds)	Engine	587 $\mathbb{M}$
	Engine and transmission	652 $\text{\textcircled{C}}$ ; 682 $\text{\textcircled{C}}$ *
Lubrication	Full Pressure	
Power Plant Mounting	4-Point rubber-cushioned, strut-type front mounts & shear-type rear mounts.	

**ADVERTISED MAXIMUM ENGINE PERFORMANCE**

Carburetor	Double Barrel-Conventional	Double Barrel-Powerglide	4-Barrel (RPO)
Brake Horsepower	Gross	162 @ 4400 RPM	170 @ 4400 RPM
	Net	137 @ 4000 RPM	141 @ 4000 RPM
Torque (Ft lb)	Gross	257 @ 2200 RPM	257 @ 2400 RPM
	Net	235 @ 2200 RPM	235 @ 2400 RPM

**ENGINE SPEED AND PISTON TRAVEL**

Transmission		3-Speed With Overdrive		Powerglide
		O.D. Locked-Out	O.D. Locked-In	
Rear Axle Ratio	3.70:1	4.11:1		3.55:1
Tire Size	6.70-15-4 Ply; except 2119 & 2419, 6.70-15-6 Ply			
Crankshaft Revolutions Per Mile	2794.0	3103.0	2172.1	2680.3
Crankshaft RPM @ 1 MPH	Low & Reverse	136.9	152.0	81.3
	Second	78.2	89.9	60.8
	Direct †	46.6	51.7	44.7
Piston Travel (Ft/Mile)	1397.0	1552.0	1086.0	1340.0

**ADVERTISED CAR PERFORMANCE<sup>x</sup>**

The following information is based on Model 2103, 4-Door Sedan (With and without Powerglide and with a double barrel carburetor) at performance weight (Curb weight plus 600 lbs to represent four passengers):

Models	2103	2103PG
Performance weight (pounds)	3941 $\bullet$	4038 $\bullet$
Pounds/gross horsepower	24.33 $\bullet$	23.75 $\bullet$
Pounds/cu. in. piston displacement	14.87	15.24
Gross horsepower/cu. in. displacement	.611	
Power displacement (cu. ft./mile) $\text{\textcircled{C}}$	214.24	205.50%
Displacement factor (cu. ft./mile) $\text{\textcircled{C}}$	108.72 $\bullet$	101.78%

\* - Applicable to low gear only. Overdrive does not function in reverse.

$\mathbb{M}$  - Including clutch with conventional or overdrive transmission.

$\text{\textcircled{C}}$  - Including clutch with 3-speed transmission. † - Including clutch with overdrive.

† - Also known as N/V factor

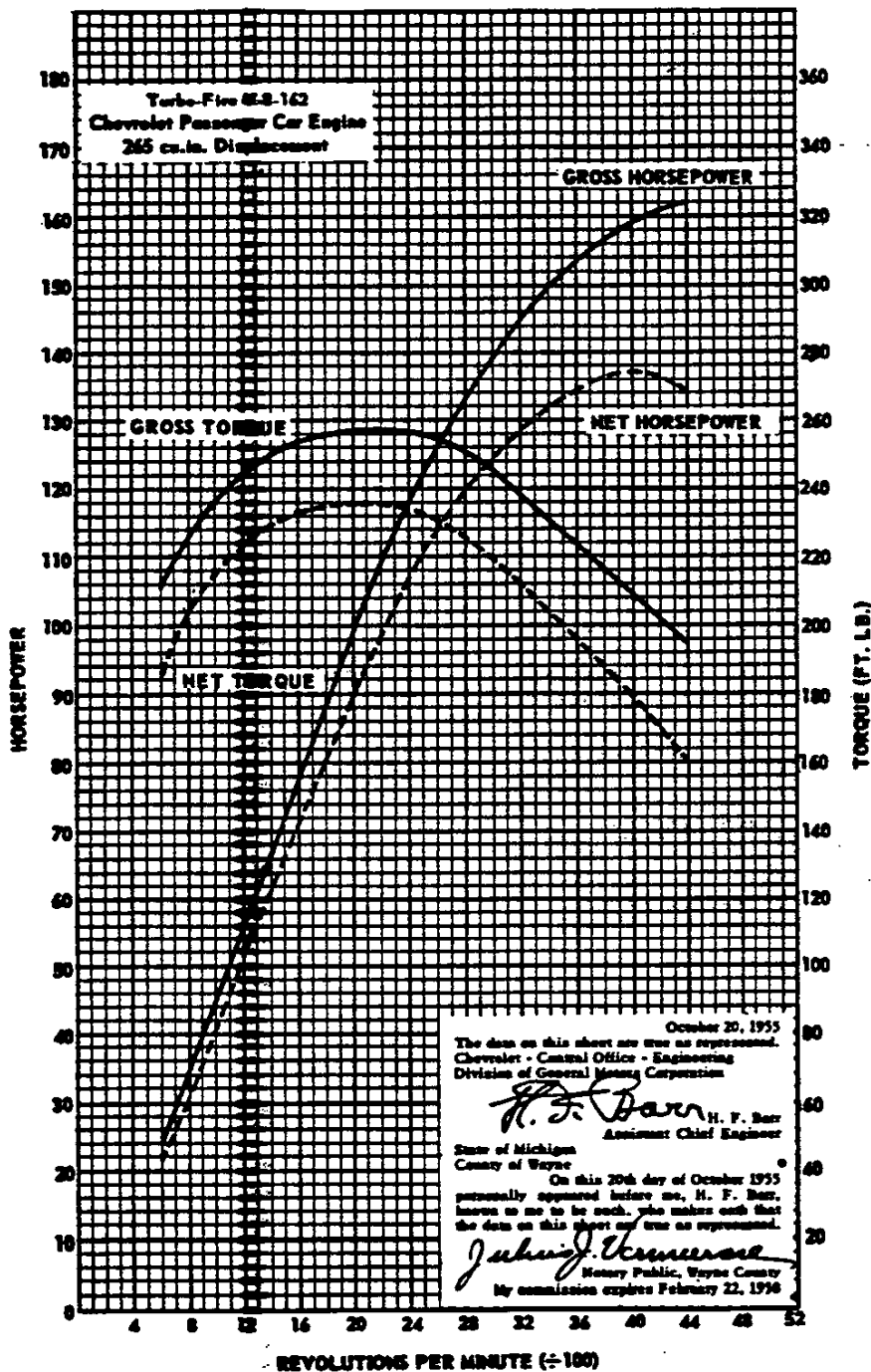
$\text{\textcircled{C}}$  -  $\frac{\text{Crankshaft rev/mile} \times \text{piston displacement} + 2}{1728}$

$\text{\textcircled{C}}$  - Power displacement divided by performance weight in tons.

% - Data computed assuming zero slippage in the torque converter.

$\bullet$  - 9.25:1 when used with RPO 410 & 411.

## ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17444-15. They represent the full throttle performance of a Turbo-Fire V-8-162 Chevrolet passenger car engine with (265 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60°F.

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

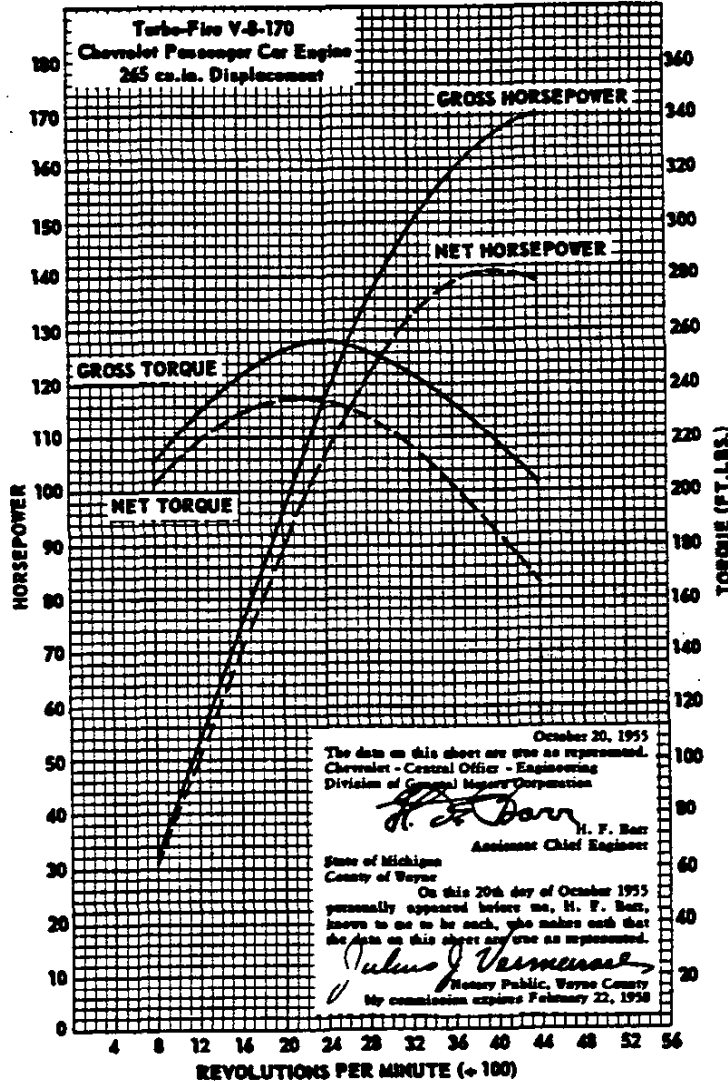
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

11-1-55  
44 - ENGINE, EIGHT CYLINDER

CHEVROLET 1956 SPECIFICATIONS - PASSENGER

## ENGINE PERFORMANCE

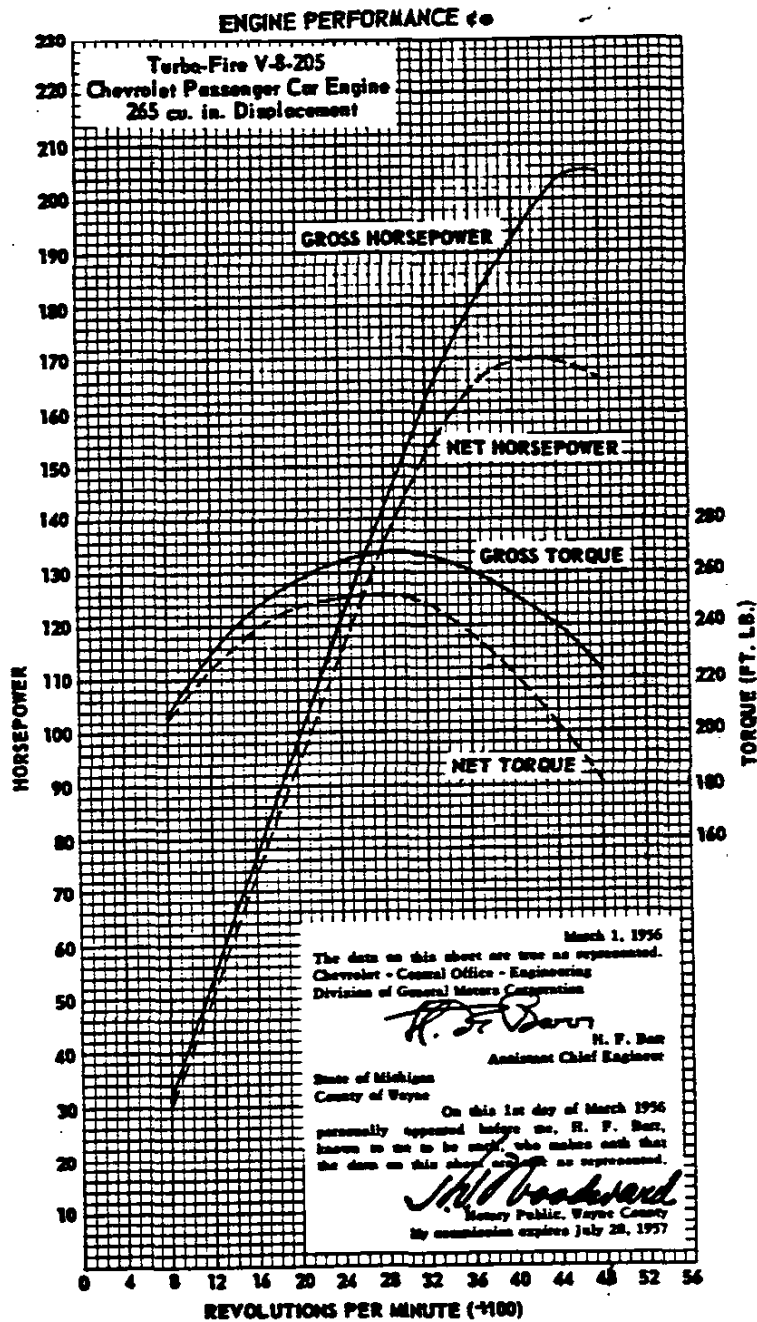


The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17444-15. They represent the full throttle performance of a Turbo-Fire V-8-170 Chevrolet passenger car engine with (265 cu.in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60°F.

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

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

ENGINE



† - For curve of Turbo-Fire 225 HP V-8 engine see page 65 of Corvette Supplement.

The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17444-15. They represent the full throttle performance of a Turbo-Fire V-8 205 Chevrolet passenger car engine with (265 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60° F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

GROSS POWER and TORQUE were obtained in a regular dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

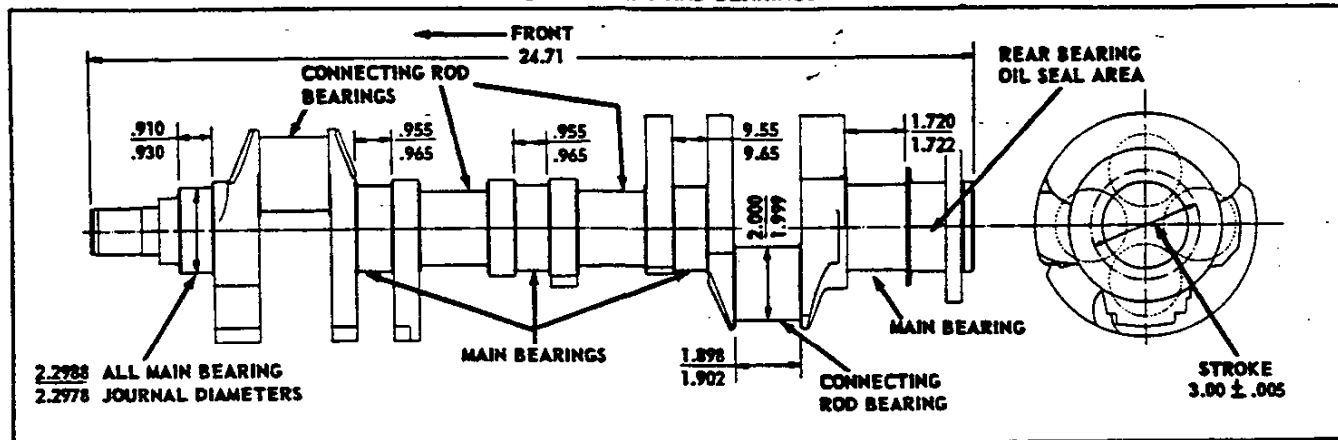
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

3-1-56 • Data revised 5-9-56  
46 - ENGINE, EIGHT CYLINDER

**CYLINDER CASE AND HEAD**

Material ----- Cast alloy iron      Bore diameter -----  
 Cylinder head bolt torque ----- 60-70 ft lb      3.7495-3.7525

**CRANKSHAFT AND BEARINGS**



**CRANKSHAFT**

Material ----- Drop-forged steel  
 Weight (Crankshaft & pilot bearing assembly)- 48 lb @  
 End play ----- .002-.006  
 Counter weights ----- 6  
 Stroke ----- 3.00<sup>+</sup>.005

**HARMONIC BALANCER  
 (Vibration damper)**

Type ----- Oscillating (Rubber-floated)  
 Crankshaft pulley:  
 Pitch diameter ----- 6.64

**MAIN BEARING**

Type ----- Precision, removable  
 Vertical oil clearance ----- .0008-.0034  
 End thrust against ----- #5 bearing  
 Bearing cap bolt torque ----- 60-70 ft lb  
 Material ----- .003-.006 babbitt on steel shell  
 Brg Theo I. D. \*      Eff length †      Proj Area ‡

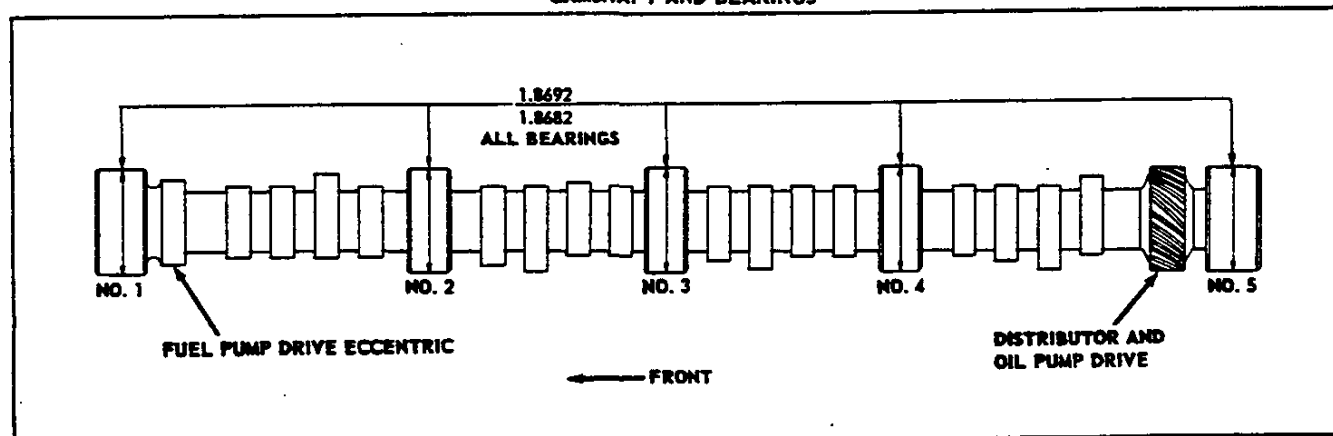
#1-4	2.3004	.702	1.615 sq. in. each
#5	2.3004	1.160	2.667

\* - Journal diameter plus oil clearance.

† - Overall length minus chamfers

‡ - Based on effective length and theoretical I. D.

**CAMSHAFT AND BEARINGS**



**CAMSHAFT**

Material ----- Cast alloy iron  
 Thrust ----- Rearward, carried against the face of the crankcase at the front bearing

**Ramp:**

Inlet opening:  
 3-speed ----- .00300, 7.5° long @  
 Powerglide & power package ----- .00260, 7° long @  
 Closing:  
 3-speed ----- .00600, 24° long  
 Powerglide & power package ----- .00618, 24° long

**Ramp:**

Exhaust opening:  
 3-speed, Powerglide & pwr package -. 00400, 10° long  
 Closing:  
 3-speed ----- .00600, 15° long  
 Powerglide and power package ----- .00574, 14° long

**DRIVE**

Type ----- Chain & sprocket, driven from crankshaft

**TIMING CHAIN x**

Make ----- Link belt  
 Number of links ----- 46  
 Width ----- .875  
 Pitch ----- .500

**BEARINGS**

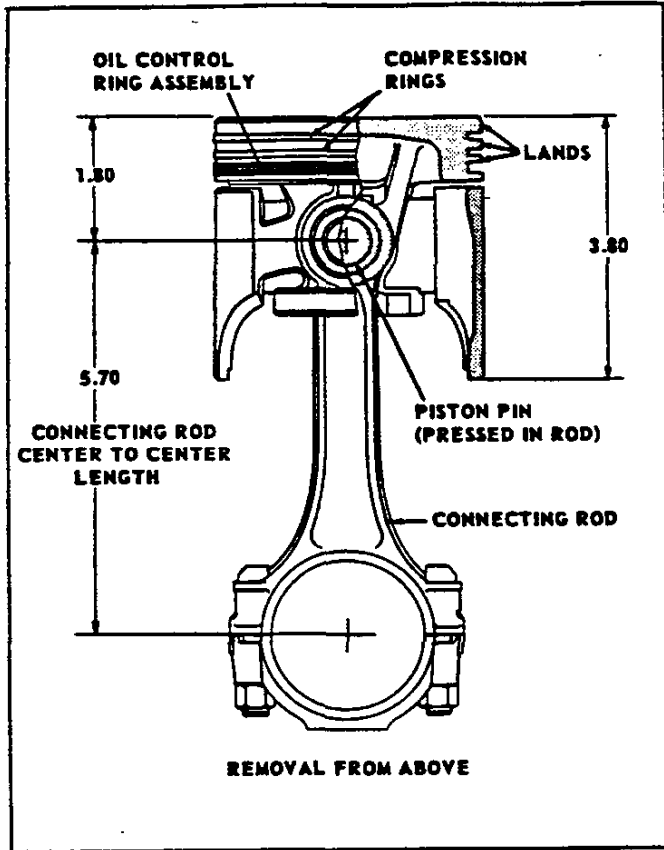
Material ----- Steel-backed babbitt  
 Clearance on diameter ----- .0015-.0035

Brg	Ream dia.	Overall length	Proj area @
1-4	1.8712	.740	1.385
5	1.8712	.940	1.759

@ Based on ream dia and overall length shown above.

**PISTON - PIN - RINGS**

**PISTON PINS**



Type ----- Rod shrunk fit to pin  
 Material----- Chromium steel (file hard case)  
 Diameter ----- .9270-.9273  
 Length ----- 3.110-3.130  
 Taper limit in full length----- .0001  
 Clearance in piston ----- .00015-.00025  
 Offset in piston ----- .078

**COMPRESSION RINGS**

Material----- Cast alloy iron, surface treated with a wear-resistant coating.  
 Type ----- Thick-wall, twist, inside bevel or counter bored, taper-faced.  
 Number per piston ----- 2  
 Flash chrome plating ----- Top compression ring only  
 Width ----- .077-.078  
 Wall thickness ----- .177-.187  
 Gap clearance ----- .009-.018  
 Ring clearance ----- .0012-.0032

**PISTON**

Make and type ----- Own slipper skirt  
 Features ----- Flat head, tin plated, oval with controlled thermo expansion.  
 Material ----- Cast alloy aluminum with steel struts  
 Skirt clearance in cylinder bore----- .0006-.0010  
 Top land clearance in cylinder bore ----- .036-.043  
 Lower land clearance in cylinder bore --- .026-.033  
 Compression ring groove depth ----- .2118-.2183  
 Oil ring groove:  
 Depth----- .2043-.2108  
 Holes, number and size ----- 8, -.156 drill  
 Minimum head thickness at center ----- .25

**OIL CONTROL RING**

Material and type-Steel, multi-piece, 2 rails and spacer  
 Upper and lower rails ----- Flat spring or scaleless temper steel, full chrome plated O.D.  
 Spacer (between rails)----- Flat spring steel  
 Gap clearance (on rails) ----- .005-.015  
 Ring clearance in groove ----- .0006-.0084  
 Width ----- .181-.188  
 Maximum wall thickness (rails) ----- .168

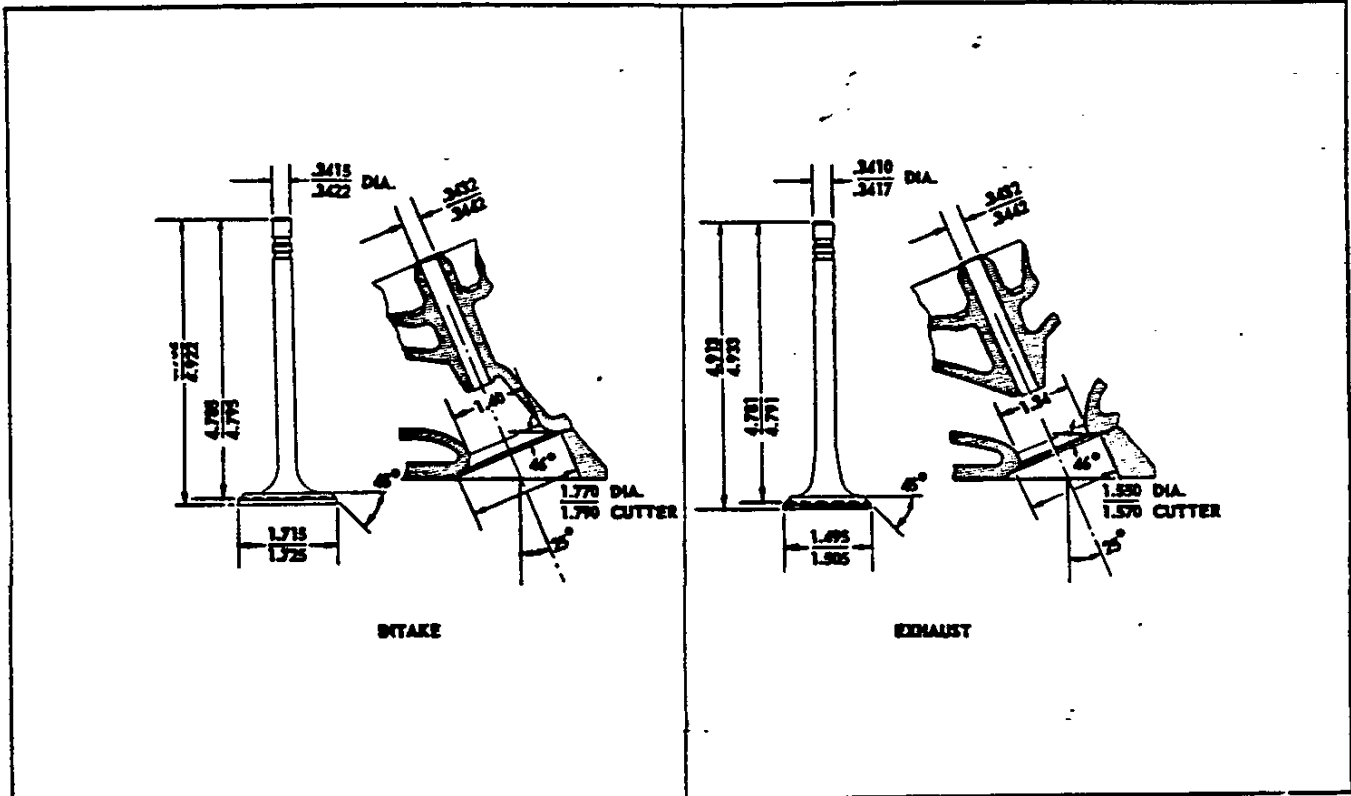
**CONNECTING RODS**

Material ----- Drop forged steel  
 Rod width at piston pin ----- 1.007-1.011  
 Rod width at crankpin ----- .944-.945  
 Crankpin bearing:  
 Type ----- Precision, interchangeable insert  
 Material ----- Steel backed with babbitt overlay  
 I.D. (theoretical) ----- 2.0013 #  
 Effective length ----- .8070 %  
 # Crankpin diameter plus clearance  
 % Overall length minus chamfers  
 ‡ Based on theoretical I.D. and effective length.

Clearance in diameter ----- .0007-.0027  
 Projected area per rod ----- 1.615 ‡  
 End play ----- .008-.014  
 Recommended nut torque, with oiled threads ----- 30-35 ft lb

11-1-55 • Data revised 5-9-56  
 48 - ENGINE, EIGHT-CYLINDER

## VALVE TRAIN



**VALVES**

Make ----- Own  
 Material:-----  
 Exhaust valve-----  
 ----- High alloy steel with aluminum dipped seats  
 Inlet valve----- High alloy steel  
 Stem end style -----Grooved for keys & oil seal  
 Lift: Inlet and exhaust  
 3-Speed-----.3336  
 Powerglide and power package-----.3732  
 Face angle (Exhaust and inlet valve)-----45°  
 Distance between valve centers (Measured along centerline of engine)-----1.86  
 Valve lash (engine normalized)\*----- Self-adjusting  
 \* - To normalize engine, run it at fast idle (approximately 600 RPM) until a constant oil temperature is maintained for a period of five minutes.

### VALVE STEM GUIDES

Type-----Integral with cylinder heads  
 Clearance with stem:  
 Exhaust -----.0015-.0032  
 Inlet -----.0010-.0027

### VALVE SEATS

Material-----Cast alloy iron (cylinder head)  
 Inlet and exhaust seat angle (In head) ----- 46°  
 Width in head:  
 Exhaust seat ----- .062-.093  
 Inlet seat ----- .035-.060

### PUSH RODS

Type and material-----Hollow, welded steel tubing  
 Push rod seats-----  
 ----- Contained in lifter cylinders  
 11-1-55 \* Data revised, x Data added 5-9-56  
**CHEVROLET 1956 SPECIFICATIONS - PASSENGER**

**HYDRAULIC VALVE LIFTERS**

Make -----GM Diesel  
 Material:-----  
 Lifter body ----- Cast iron  
 Lifter plunger & push rod seat ----- Steel  
 Lift: Inlet and exhaust  
 3-speed ----- .2224  
 Powerglide & power package ----- .2488  
 Oil flow:  
 Oil centers the valve lifter oil galleries through a drilled passage from the camshaft rear bearing where it flows to the hydraulic lifters. Oil enters the hydraulic lifters through holes in the side of the lifter body and plunger. Oil enters the ram chamber around the steel ball and is delivered to the disc valve which meters the oil into the hollow push rods.

### VALVE SPRINGS & DAMPERSx

Length and pressure:  
 Valve closed----- 1.696 @ 76-84 lbs.  
 Valve open -----1.366 @ 155-165 lbs.  
 Free (out of engine)----- 2.03 approximately  
 Damper:  
 No. of coils ----- 4  
 Free length ----- 2.00

### VALVE ROCKER ARMS

Type -----  
 ----- Hollow arm with semi-spherical pivot bearing  
 Material-----Hardened pressed steel  
 Mounting -----Bolted to individual studs  
 Adjusting nut ----- Tighten to zero axial movement of push rod plus 3/4 of a turn  
 Rocker arm ratio (valve lift to cam lift)----- 1.5:1



## ENGINE LUBRICATION SYSTEM

### METHOD OF LUBRICATION

Type ----- Controlled, full pressure  
 Main bearings ----- Direct pressure  
 Connecting rods ----- Direct pressure  
 Rod bearings ----- Direct pressure  
 Cylinder walls and piston pins -----  
 ----- pressurized jet cross sprayed  
 Camshaft bearings ----- Direct pressure  
 Timing chain ----- Sprayed  
 Hydraulic lifters ----- Pressure  
 Valve mechanism ----- Pressure & gravity

### OIL PAN

Type ----- Rear sump with welded in baffle  
 Capacity ----- 4.5 qt. dry; 4 qt refill  
 Drain ----- Plug in rear of pan  
 Torque, corner bolts ----- 12.5 to 15 ft lb  
 Torque, flange screws ----- 6 to 7.5 ft lb

### LUBRICANT RECOMMENDED\*

Temperature			
32°F	SAE 20W or SAE 20	or	SAE 10W-30
0°F	SAE 10W	or	SAE 10W-30
Below 0°F	SAE 5W	or	SAE 5W-20

### FUEL TANK

Type ----- 2 stamped pans, seam welded together  
 Capacity:  
 Station wagon and sedan delivery ----- 17 gallons  
 RPO 472 available with RPO 411 ----- 20 gallons  
 All others ----- 16 gallons  
 Mounting:  
 Supported by two straps attached to underbody between rear axle and rear crossmember of frame; all models  
 Filler: Location and access ----- Behind hinged tail light in left rear fender; all models.  
 Fuel gauge (tank unit): Make & type ----- AC, electric; riser pipe & filler integral with unit.  
 Filter ----- 40 mesh metal filter cloth tube mounted on end of riser pipe.

### FUEL PUMP

Make and model ----- AC, model EN  
 Type ----- Mechanical (diaphragm) "high reserve"  
 Drive ----- From camshaft through pump push rod to rocker arm.  
 Arm movement ----- .34 @ camshaft  
 Air dome ----- Yes (inlet and outlet)  
 Pressure at carburetor ----- 4 - 5, 25 PSI  
 Filter ----- None (See fuel tank)

### CARBURETOR

Make ----- Rochester  
 Model: Regular ----- 7008387  
 Powerglide ----- 7008388  
 Type --- Individually adjusted double barrel, downdraft  
 SAE flange size ----- 1.25  
 Size: Venturi throat I.D. ----- 1.09  
 Throttle body I.D. ----- 1.43  
 Choke ----- Automatic  
 Basic idle adjustment, number of turns ----- 1-1/2

### AIR CLEANER & SILENCER

Make & type ----- AC, oil bath  
 Flame arrester ----- Yes  
 Filter element ----- Cactus fiber  
 Capacity ----- 1 pint  
 11-1-55 \* Data revised, x Data added 5-9-56  
 50 - ENGINE, EIGHT CYLINDER

## OIL PUMP

Type and drive ----- Gear, from camshaft  
 Mounting ----- On rear main bearing cap; attached with one bolt and two dowels.  
 Intake -----  
 ----- Fixed type with 16 mesh galvanized wire screen.  
 Relief valve ----- In pump cover  
 Width of gears ----- 1.198-1.200  
 Capacity ----- 4.01-4.22 @ 1170-1200 engine RPM  
 Normal oil pressure - 30 PSI @ 1170-1200 engine RPM

## MISCELLANEOUS

Oil filler -----  
 ----- Through tube attached to front end of intake manifold.  
 Crankcase oil level gauge type ----- Rod  
 Oil pressure gauge - "Tell tale" light in instrument cluster  
 Crankcase ventilation: Inlet ----- Through breather type oil filler cap on filler tube  
 Outlet --- Through road draft pipe at rear of engine  
 Oil filter - (RPO 237) Make ----- AC  
 Type ----- Full flow, spring loaded disk by-pass  
 Capacity ----- 1 quart  
 Element ----- Replaceable  
 Mounting --- Under left rear side of the cylinder block

## FUEL AND EXHAUST SYSTEM

### EXHAUST MANIFOLD

Manifold heat control ----- Automatic (thermostat)

### EXHAUST SYSTEM

Muffler: Make ----- Various  
 Type ----- Diffusion and resonance, reverse flow  
 Size (body outside) ----- Model 2434 (4 x 7.75 Oval) x 24; all others, (4 x 7.5 oval) x 30  
 Cross under pipe ----- Flanged for attachment to exhaust manifolds; approximately 2 diameter  
 Exhaust pipe: Type -----  
 ----- Unitized, welded to muffler; all except 2434  
 Outside diameter ----- 2  
 Tail pipe inside diameter ----- 1.81  
 Mounting ----- 2 point rubber suspension  
 HIGH PERFORMANCE PACKAGE (RPO 410)

Carburetor: Make ----- Carter  
 Model ----- WCFB 2351 S  
 Type ----- Four barrel downdraft, climatic control  
 Venturi throat I.D.: Primary side ----- 1.06  
 Secondary side ----- .937  
 Throttle body I.D.: Primary side ----- 1.31  
 Secondary side ----- 1.31  
 Choke ----- Automatic  
 Basic idle adjustment, number of turns --- 1/2 to 1-1/2  
 Intake manifold:

Manifold heat control ----- Automatic (thermostatic)

Dual exhaust system:

Muffler: Make ----- 2-Variou  
 Type ----- Diffusion and resonance, reverse flow  
 Size (body outside) ----- 4.25 x 8 x 24  
 Exhaust pipe O.D. ----- 2 (each)  
 Tail pipe I.D. ----- 1.81 (each)  
 Suspension --- Individually rubber insulated mountings  
 Air cleaner & silencer:

Make and type --- AC oil bath, high air intake capacity (Other information same as regular)

Spark plug ----- AC, C43 commx  
 Distributor ----- Delco-Remy, 1110878x

## ENGINE COOLING SYSTEM

### METHOD OF COOLING

Cylinder Cooling ----- Full stroke length water jacket around each cylinder.  
 Cooling system capacity ----- 16 qts; with heater 17 qts  
 Pressurized cooling system ----- Yes  
 By-pass for recirculation ----- Integral with right hand water pump distribution arm.

### WATER PUMP

Type and Drive ----- Centrifugal, driven by fan belt  
 Location ----- At front center of cylinder and case  
 Distribution arms ----- One per bank  
 Capacity ----- 44.5 gals/min @ 4000 Engine RPM  
 Impeller type ----- Vane  
 Water pump and fan bearing and shaft assembly:  
 Lubrication ----- Permanent  
 Bearing, anti-friction ----- See page 192  
 Seal assembly ----- Spring-loaded brass encased synthetic rubber and plastic.

### RADIATOR CORE

Usage	Regular	Powerglide
Make & type	Harrison; cellular	
Model	3136157*	3136158*
Material	All copper	
Cell constant & core thickness	.22 x .56, 2*	.20 x .56, 2*
Frontal area	355 sq. in.*	357 sq. in.*
Radiator Pressure cap	7.5 lbs/sq. in. (Max.)	
Radiator drain cock	Size .25; location, at bottom left front side	

## ENGINE ELECTRICAL SYSTEM

### GENERATOR

Make and model ----- Delco-Remy, 1100321  
 Type ----- Two brush, shunt-wound  
 Rating  
 Amperes ----- 25  
 Volts ----- 12-15  
 Ventilation ----- By pulley fan  
 Drive ----- By fan belt  
 Pulley size ----- 2.88PD x 36°V  
 Armature shaft bearings:  
 Commutator end ----- Plain bushings  
 Drive end-Anti-friction bearing, See page 192  
 Brush spring tension ----- 24-32 ounces  
 Rotation (drive end) ----- Clockwise  
 Generator RPM/MPH ----- 107 approximately  
 Car MPH (High gear) ----- 26.5 approximately  
 Maximum Generator Output RPM (Hot) ----- 2980 and up  
 Maximum Engine Output RPM (Hot) ----- 1190  
 Speed ratio (Generator to engine) ----- 2.31:1

### RPO 325 GENERATOR EQUIPMENT

Rating	Delco-Remy Model Number	
	Generator	Regulator
30 amp	1102042	1119001
40 amp (Low cut-in)	1106981	1119004

### BATTERY

Make and model ----- Delco, 2SMR53-W  
 Size ----- 10.19 long x 6.75 wide x 8.81 high  
 Rated voltage ----- 12  
 Capacity ----- 53 amp hours @ 20 hour rate  
 Bench normal charging rate ----- 3.5 amps  
 Cell arrangement ----- 6, side by side  
 Plates per cell ----- 9  
 Terminal grounded ----- Negative

Continued

### WATER THERMOSTAT

Make ----- Harrison  
 Type ----- Bellows operated poppet valve  
 Thermostat housing ----- At front center of intake manifold  
 By-pass for recirculation ----- None  
 Thermostat action at 29"Hg. barometric pressure.  
 Starts to open ----- 157°-163°F  
 Fully open ----- 183°F

### RADIATOR HOSE

Function	Inlet	Outlet
Location	Cylinder Head To radiator	Radiator to Water pump
Quantity	1	1
Type	Molded elbow	Compound curve
ID	1.50	1.76*
Material	Fabric reinforced rubber	
Spring reinforcement	None	Brass coil spring

### ENGINE FAN AND BELT

Make and type ----- Own, 4 staggered blades  
 Diameter ----- 17  
 Pulley size ----- 7PD, 36°V  
 Fan to engine speed ratio ----- 949:1  
 Fan belt:  
 Material ----- One-piece reinforced rubber with wrapped or cut molded sides.  
 Size ----- .38 width, \* 54.21 approximate pitch length  
 Angle of V ----- 37°-44°

Location -----  
 ----- On right hand side of dash under hood

### VOLTAGE AND CURRENT REGULATOR

Make and model ----- Delco-Remy, 1119000  
 Location ----- Center of front fender skirt, LH  
 Type ----- Vibrator  
 Voltage regulator:  
 Volts ----- 14.5  
 Temperature ----- Operating  
 Average air gap ----- .075  
 Current regulator:  
 Amperes ----- 25  
 Temperature ----- Operating  
 Average air gap ----- .075  
 Cutout relay:  
 Point closing: Volts ----- 12.8  
 Generator armature speed (Hot) ----- 1300 RPM  
 Cut in speed; Car MPH (high gear) - 11 approximately  
 Average air gap and point gap ----- .020

### STARTING MOTOR

Make and model ----- Delco-Remy, 1107644\*  
 Number of field coils ----- 4  
 Rotation (drive end view) ----- Clockwise  
 Brush spring tension ----- 30 ounces  
 Armature shaft bushings:  
 Drive and commutator end ----- Graphite lubricated, bronze  
 Testing  
 Amperage draw ----- Lock Test 415 No load test 65  
 Volts ----- 5.8 ----- 10.4  
 Torque ----- 12 ft lb  
 RPM ----- 8900

**ENGINE ELECTRICAL SYSTEM (CONTINUED)**

**STARTING**

**Motor control:**

Ignition switch, 4 positions: locked off, unlocked off, on, start  
 Starting operation -----  
 -----Turn ignition key to extreme right  
 Neutral safety switch (Powerglide only)-----  
 ----- Wired in series with ignition switch and permits operation of motor with transmission control in "Neutral" or "Park" positions only.

**Motor drive:**

Engagement type----- Positive shift solenoid  
 Start pinion meshes ----- From front of flywheel  
 No. of teeth----- 9, starter pinion; 168 flywheel  
 Gear ratio (starter to flywheel) -----18.67:1

**COIL**

Make and model----- 1115083  
 Resistor type----- External  
 Location ----- Engine right side  
 Amperes Drawn-4.0 eng. stopped; 1.8 idling (500 RPM)

**DISTRIBUTOR**

**Make and model:**

Powerglide ----- Delco-Remy, 1110847  
 Conventional----- Delco-Remy, 1110847  
 Current source ----- Generator or battery  
 New breaker contact opening ----- .016-.021  
 Cam angle @ .016 setting ----- 26°-33°  
 Breaker arm tension ----- 19-23 ounces  
 Vacuum control----- Integral with distributor

**ENGINE TIMING**

**Timing spark advance (initial setting):**

Engine with 3-speed or PG transmission --- 4° BTC  
 Timing indicator ----- Pointer on crankcase front cover aligns with mark on damper.  
 Firing order -----  
 1-8-4-3-6-5-7-2 (Cylinders are numbered from front of engine, odd numbers to left (driver's) bank and even numbers to right (driver's) bank)

**SPARK PLUGS**

Make and model ----- AC, 44  
 Thread size ----- 14mm  
 Recommended gap ----- .033-.038  
 Recommended torque ----- 20-25 ft lb

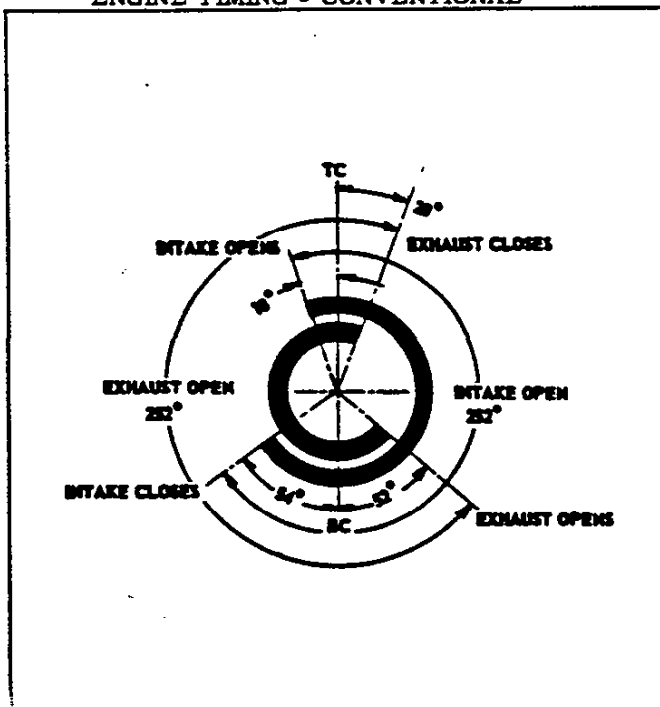
**SPARK ADVANCE - CONVENTIONAL**

Automatic spark advance	Advance begins	Full advance
Vacuum control	5" to 7" Hg	20.5° to 23.5° 11.5" to 14.0" Hg.
Centrifugal	450 to 800 RPM	30° to 34° at 3600 RPM and up

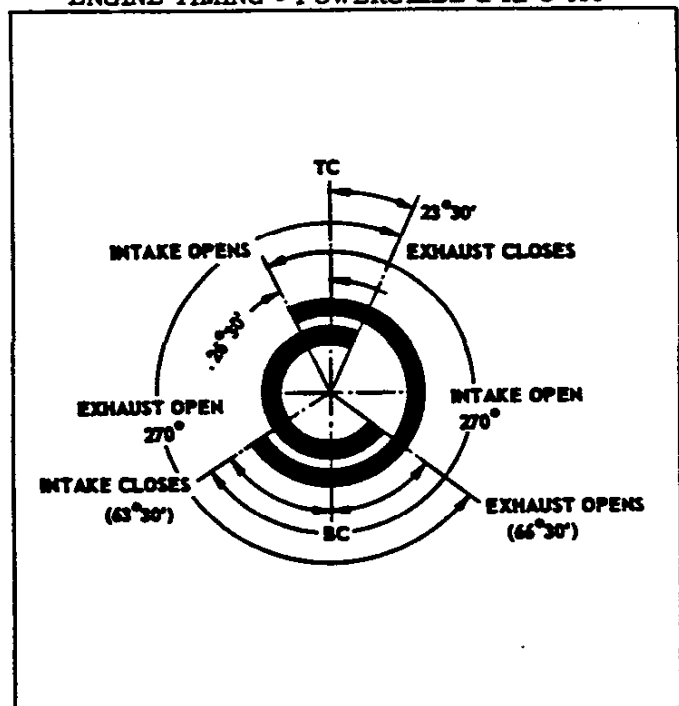
**SPARK ADVANCE - POWERGLIDE & RPO 410x**

Automatic spark advance	Advance begins	Full advance
Vacuum control	7" to 9" Hg	20.5° to 23.5° 11.5" to 14.0" Hg
Centrifugal	450 to 800 RPM	28° @ 3500 RPM and up

**ENGINE TIMING - CONVENTIONAL**

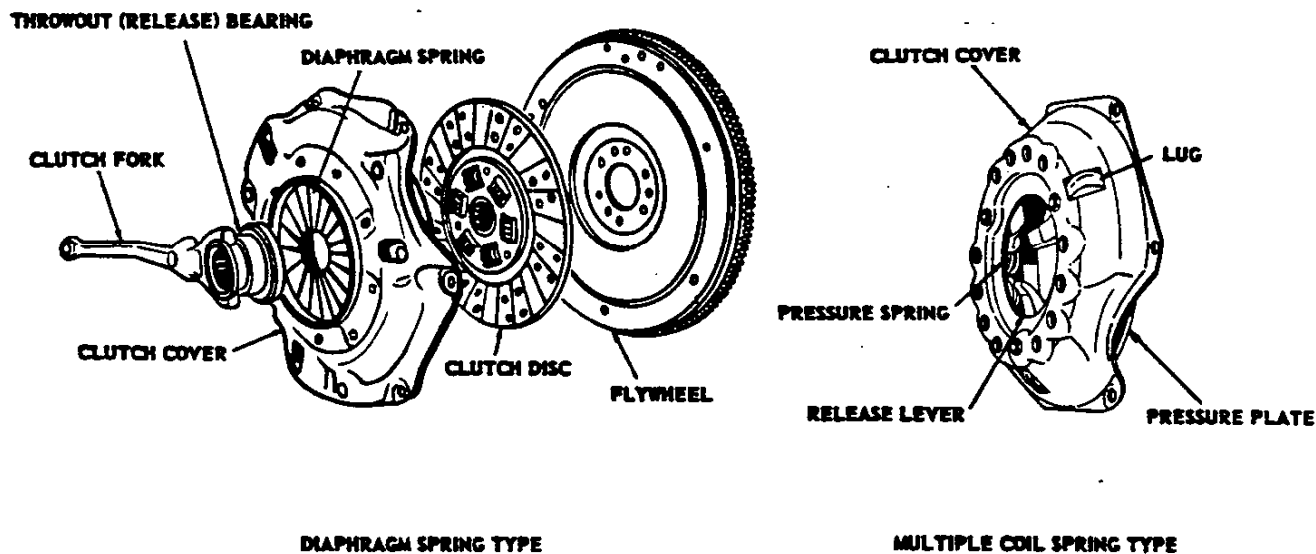


**ENGINE TIMING - POWERGLIDE & RPO 410**



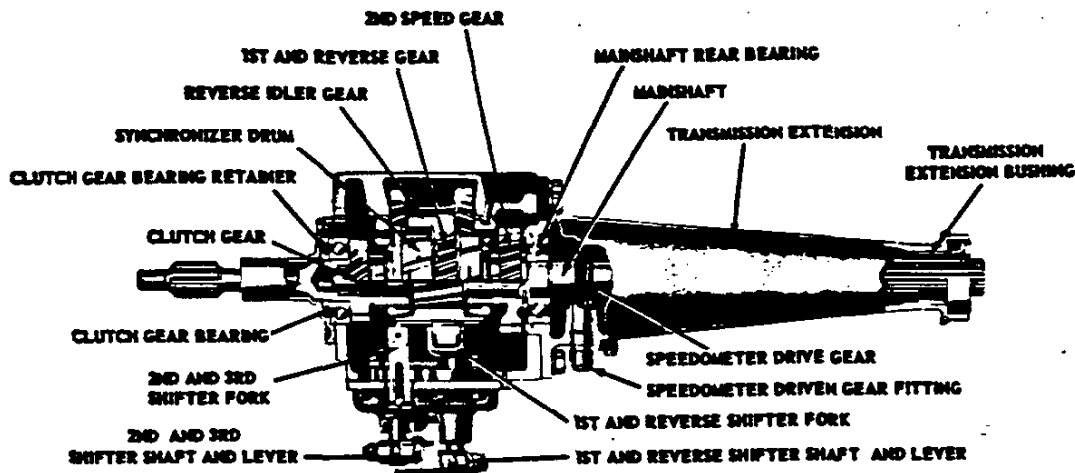
11-1-55 e Data revised, x Data added 5-9-56  
 52 - ENGINE, EIGHT CYLINDER

## CLUTCH



ITEM	Regular 6 Cylinder	Regular 8 Cylinder	Heavy Duty 6 & 8 Cylinder	Overdrive 8 Cylinder	Power Package x		
Type	Diaphragm spring, single plate, dry disc				Coil spring, Single Plate, Dry disc		
Rated Torque Capacity (Ft. Lb.)	228	258	282	266	280		
Drive	Strap				Lug		
Ventilation	Vaness cast in pressure plate				Arched Cover		
Clutch Springs	Material		Spring steel, heat treated				
	Spring pressure		Through diaphragm spring				
	Total clutch spring pressure		1325-1450	1450-1550		9 Coil Springs	
	Clutch spring release		Diaphragm action spring pivots on pivot ring			3 levers Pivoting on struts	
Driven Disc	Type						
	One, spring cushion plate with two facings						
	Vibration insulation at hub				6 cushion springs	10 cushion springs	
	Facings (two)	Material		Molded Asbestos	Woven asbestos composition		
		O. D.		9.5	10	11	10
		I. D.		6		6.5	
Area (both facings)		85.22 sq. in.	100.53 sq. in.	123.70 sq. in.	90.71 sq. in.		
Thickness		.132-.138		.130-.136			
Bearings	Throw out (release)	Type, make, & no. <span style="float: right;">Anti-friction bearings, See page 192</span>					
		Lubrication <span style="float: right;">Packed for life</span>					
	Pilot	Make & no. <span style="float: right;">Chevrolet, 412562</span>					
		Type <span style="float: right;">Sintered powdered bronze bushing, oil impregnated</span>					
		I. D. <span style="float: right;">.5915-.5925</span>					
		O. D. <span style="float: right;">1.0935-1.0945</span>					
		Width <span style="float: right;">.740-.760</span>					
Lubrication <span style="float: right;">Self</span>							
Controls	Clutch fork type		Drop-forged (pivot mounted on ball)				
	Pedal mounting location		Pendant from brace on dash				
Flywheel	Material <span style="float: right;">Cast alloy iron</span>						
	Weight (with ring gear) <span style="float: right;">6 cylinder, 31 lb; 8 cylinder 29 lb</span>						
	Ring Gear	Type <span style="float: right;">Cold drawn steel, shrunk on flywheel</span>					
		Number of teeth <span style="float: right;">168</span>					
Width & pitch dia. <span style="float: right;">.480-.490 wide; 14.00 pitch diameter</span>							
Clutch attachment to flywheel			6 bolts				

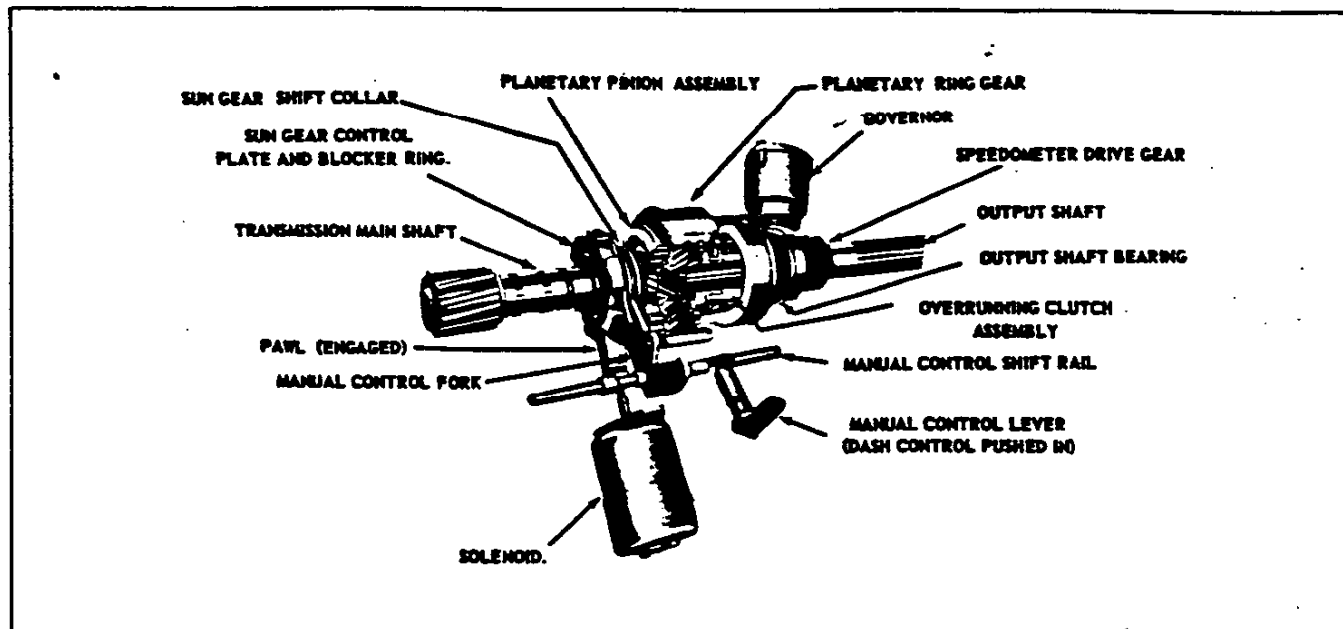
### 3-SPEED TRANSMISSION



TOP VIEW OF TRANSMISSION AND EXTENSION

ITEM		Regular	RPO Close Ratio
Make and Type		Own, 3-speed synchro-mesh, manual shift	
Gearshift Control, Type and Location		Remote, lever mounted on steering column	
Input Torque Capacity		220 ft lb	
Gear	Type	All helical	
	Material	Forged steel, hardened	
	Synchronization	2nd and 3rd	
	Constant mesh speeds	2nd	
	Sliding gears	1st and reverse	
	Gear ratios	First	2.94:1
	Second	1.68:1	1.3:1
	Third	Direct	Direct
	Reverse	2.94:1	2.2:1
Speedometer Gears	Teeth, driving & driven	30 8 and 22	
	Type recommended	SAE 90 transmission or mineral oil lubricant	
Lubricant	Capacity	2 pints	
	Oil Seal (Transmission Extension)	Steel encased double seal of spring-loaded synthetic rubber and felt.	
Anti Friction Bearings		See page 192	

## OVERDRIVE TRANSMISSION - RPO 315



Type----- 3-Speed Synchro-mesh with 3-pinion planetary drive unit. The drive unit with its integral mainshaft replaces the mainshaft and extension of the regular 3-speed transmission.

Lockout switch ----- Manually controlled by "pull-type" cable located under instrument panel to right of steering column. With handle fully extended, overdrive is disengaged.

Kick down switch ---- Located on accelerator linkage. Pedal pressure thus controls overdrive operation.

Minimum cut-in speed ----- 27-30 MPH approximately  
Cut-out speed ----- 18-22 MPH approximately

### GEAR RATIOS

Overdrive Unit	Locked Out	Locked In
First	2.94:1	2.058:1
Second	1.68:1	1.176:1
Third	Direct	0.70:1
Reverse	2.94:1	

Speedometer gears:

Tooth pitch ----- 30

Teeth (driving and driven) ----- 8 & 24

Lubricant:

Type -- SAE 90 transmission or mineral oil lubricant

Capacity:

Transmission ----- 2 pints


Overdrive unit ----- 1 pint


Total ----- 3 pints

### WHEELS AND TIRES

WHEEL AND HUB CAP	
Make and type	Own, short spoke disc
Attachment to hub	5 bolts, .438-20
Bolt circle diameter	4.75
Offset and rim size	.562, 15 x 5K
Paint and striping	See Exterior Colors and Finishes
Hub Cap (1500, 2100)	Stainless steel, 10.69 diameter
Wheel disc (2400)	Stainless steel, 15.28 diameter

One-Fifty and  
Two-Ten Series





Bel Air  
Series

### TIRES (Tubeless)x

Tire Size and Ply Rating	Regular or RPO Equipment	Tire and Rim Association Standards			
		Loaded Rolling Radius	Loaded, Rev Per Mile	Loaded Capacity Each Tire	Recommended Pressure Front and Rear
6.70-15-4 Black Sidewall	Regular	13.40	755	925	24
6.70-15-4 White & Black Sidewall	RPO			1050*	30
6.70-15-6 Black or White & Black Sidewall	Regular on 2119-2419 RPO others	13.60	741	990	24
7.10-15-4 Black or White & Black Sidewall	RPO all except 2119-2419				

\* - Figures shown are averages of U. S. Rubber Co., Goodrich, and Firestone Tires.

11-1-55 e Data revised, x Data added 5-9-56

CHEVROLET 1956 SPECIFICATIONS - PASSENGER

OVERDRIVE TRANSMISSION, WHEELS AND TIRES - 55

## AUTOMATIC TRANSMISSION (RPO 313)



### GENERAL DATA

Make and type--- Own, automatic hydraulic torque converter with planetary gear system for reverse & low  
 Rated torque capacity-----204 ft lb (input)  
 Converter maximum torque ratio (at stall)----- 2.1:1  
 Total transmission torque multiplication (converter x planetary gear ratio):

Maximum overall transmission ratio----- 3.82:1  
 Low range (auto or manual)-----3.82:1 to 1.82:1  
 Reverse range----- 3.82:1 to 1.82:1

Oil type-----Automatic transmission fluid, type A  
 Oil capacity-----11 quarts; refill, 5 quarts  
 Oil cooler-----Integral with radiator assembly and connected to transmission by inlet & outlet pipes.

#### Selector lever:

Location-----On steering column  
 Operation-----  
 Actuates manual valve in hydraulic control system.  
 Positions (Indicated in quadrant on instrument panel)  
 Five: (Left to Right), Park - Neutral - Drive - Low - Reverse

#### Parking lock:

Type-----Pawl and gear  
 Operation-----  
 Applied by selector lever through positive linkage.

Flywheel-----Steel stamping with welded-on ring gear

#### Representative shift points:

	Miles per hour	
	Upshift	Downshift
Low	12-14	9-11
High (at detent)	30-45	14-17
High (through detent)	48-52	45-50

### HYDRAULIC TORQUE CONVERTER

Type-----Three element  
 Driving member (pump)----- Sheet metal, multi-vane type, spot welded to torque converter housing. The housing cover is bolted to the flywheel.  
 Driving member (turbine)-----  
 ----- Sheet metal, multi-vane type, supported by torque converter housing cover. Turns independently of housing. Splined to input shaft.  
 Reaction member (stator)-----Aluminum air foil type, supported on a stationary sleeve by an overrunning clutch of cam and roller design.

### HIGH CLUTCH

Type----- Multiple-disc  
 Discs:

Driving: number and type-----  
 Four, steel with cork and paper facings, bonded.  
 Driven, number and type-----Five, steel  
 Low brake band-----  
 -- Double-wrapped design (Linked circular segments)

#### Low band servo:

Type----- Piston, one release spring  
 \* - At maximum idling speed of 425-475 RPM

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56 - TRANSMISSION, AUTOMATIC

Adjustment-----Threaded anchor bolt  
**PLANETARY GEAR UNIT**

Type----- Compound planetary  
 Gear ratios:

Cruising range-----1:1 (Direct drive)  
 Low range-----1.82:1  
 Reverse-----1.82:1

Reverse brake band----- Single strap

#### Reverse band servo:

Type-----Piston with release spring and inner cushioning spring.  
 Adjustment-----Threaded anchor bolt

### HYDRAULIC CONTROLS

#### Manual valve:

Material-----Hardened steel  
 Type-----Spool  
 Operated by----- Selector lever through linkage

#### Check valve:

Material----- Flat spring steel  
 Type----- Two passage check, hair pin shaped

#### Pressure regulator valve:

Type-----Spool  
 Pressure range:  
 Automatic cruising----- 85-94 PSI  
 Automatic low----- 85-94 PSI  
 Manual low----- 85-94 PSI  
 Reverse-----166-194 PSI  
 Neutral & Park (Engine idling)----- \*51-59 PSI

#### Reserve booster valve:

Type-----Spring loaded, working in conjunction with pressure regulator valve.  
 Location----- In main valve body  
 Operation-----  
 -----Elevates pressure for reverse operation.

#### Thermostatic by-pass valve:

Location----- Servo cover  
 By-pass closes-----210°-240°F

#### Automatic shift valve:

Type----- Hydraulic spool valve controlled by throttle valve and governor.

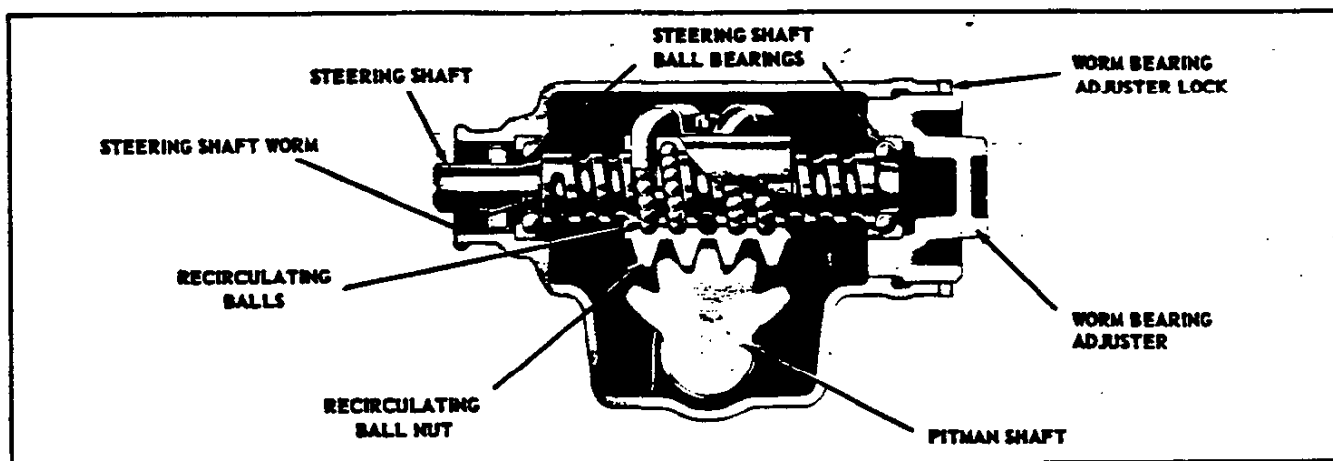
#### Throttle valve:

Type----- Spool  
 Actuation-----Accelerator linkage  
 Location-----In automatic shift valve body  
 Operation----- Regulates main line oil pressure to automatic shift valve.

#### Governor:

Type-----Centrifugal  
 Drive----- From transmission output shaft  
 Location-----  
 Accessible from rear of transmission, left side  
 Operation-----Regulates oil pressure from rear oil pump to automatic valve.

## STEERING

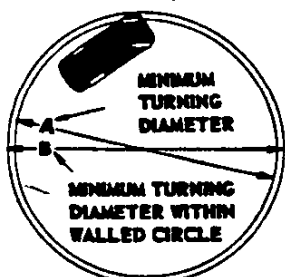


### STEERING GEAR

Make and type-----Saginaw semi-reversible re-circulating ball  
 Ratio (gear)----- 20:1  
 Overall ratio (gear plus linkage)----- 25.7:1  
 Mounting----- On frame side member  
 Anti-friction bearings----- See page 192  
 Steering mainshaft diameter----- .75  
 Steering column diameter----- 2  
 Lubricant recommended-----  
 Steering gear or "Multi-Purpose" gear lubricant.  
 Worm & sector adjustment----- Fully adjustable  
 Sector mounting type----- Straddle mounted  
 Pitman shaft:  
 Material----- Drop forged steel  
 Mounting----- Straddle mounted  
 Diameter----- 1.13  
 Bushings:  
 Number----- 3  
 Material----- Cast bronze  
 ID----- 1.13  
 Length:  
 Outer & intermediate----- 1.38  
 Inner----- .844

### STEERING WHEEL

Diameter----- 18  
 One-fifty model----- Two spoke with horn button  
 Two-ten model----- Two spoke with horn blowing ring  
 Bel-Air model----- Three spoke with horn blowing ring  
 Number of turns of wheel for full right to left travel  
 of front wheels (To steering gear stop)----- 5.34



### TURNING DIAMETERS

A  
 Right & left turn 39 ft  
 B  
 Right & left turn 42 ft  
 Nominal figures based  
 on tests made at  
 General Motors Proving  
 Ground

### POWER STEERING (RPO 324)

Generator:  
 Make & model----- Delco-Remy, 1102041  
 Pulley size----- 3.32 PD, 36°V  
 Speed ratio (Generator to engine)----- 2.00:1  
 Belt size:  
 6 cylinder--- .375 wide; 41.33 approx. pitch length  
 8 cylinder--- .375 wide; 54.71 approx. pitch length  
 Regulator, make & model----- Delco-Remy, 1119001  
 Pump:  
 Make & type----- Saginaw, vane type hydraulic  
 Mounting----- On rear of generator  
 Drive-----  
 From splined extension of generator drive shaft.  
 Fluid reservoir-----  
 ----- Integral with pump. Screen in filler neck.  
 Fluid type & capacity-----  
 Automatic transmission fluid type A; 1.5 pints.  
 Fluid travel----- Through hoses from pump  
 to control valve to power cylinder and return.  
 Maximum pressure----- 750-800PSI  
 Control valve (Integral with steering relay rod):  
 Make & type----- Saginaw, hydraulic  
 Attached to----- Pitman arm  
 Power cylinder:  
 Make & type----- Saginaw, hydraulic  
 Attachment----- To  
 frame and connecting with steering relay rod.  
 Power application----- Directly to  
 steering linkage; double-acting piston in power cylinder  
 is actuated by control valve after approximately  
 3 pounds of pressure is exerted at the steering  
 wheel.  
 Overall steering ratio----- 23.3:1  
 Steering assistance provided-----  
 Up to 80% (at 8 pounds steering wheel rim pull)  
 STEERING LINKAGE  
 Type----- Relay  
 Steering idler:  
 Material----- Drop forged steel  
 Mounting----- Pivot bracket  
 mounted to front suspension cross member.  
 Tie rods----- Left & right; adjustable  
 Steering relay rod (drag link)----- Yes  
 Pitman arm type & matl.----- One-piece, drop forged steel



## LIGHTS

### HEADLIGHTS

Make and type ----- Guide T-3, improved sealed beam  
 Location ----- In front fender face  
 Sealed beam unit diameter ----- 7"  
 Dimmed by ----- Foot switch  
 High beam indicator -----  
 -----Chevrolet emblem in speedometer face  
 Watts ----- 40-50  
 Volts ----- 12-16

### PARKING LIGHTS

Location ----- Below headlights in front fender face  
 Bulb replacement ----- Remove screws in plastic lens  
 Controlled by ----- Main switch

### TAIL AND STOP LIGHTS

Make and type -----  
 Guide; tail and stop light combined in one unit.  
 Stop light switch ----- Mechanical, mounted on dash to instrument panel brace.

### DIRECTION SIGNAL

Make ----- Guide  
 Type ----- Flasher, front & rear; self-canceling  
 Front ----- Double filament bulb replaces single filament parking lamp.  
 Rear ----- Uses stop lamp bulb.  
 Turn indicators on dash -----  
 ----- Arrows in instrument cluster face.

BULBS\* x e

Location	Quan.	Trade No	Power	
Headlamp	Upper beam	2	5400	50W
	Lower beam		40W	
Direction Signal Inst. Cluster	2	53	1CP	
Headlamp Beam Indicator	1			
Ignition Lock	1			
Generator Indicator	1	57	2CP	
Glove Compartment	1			
Oil Pressure Indicator	1			
Instrument Cluster	3			
Clock	1	67	4CP	
License Lamp	2			
Dome Lamp	1	1004	15CP	
Parking & Direction Signal Combination	Parking	2	1034	4CP
	Direction			32CP
Tail & Stop Assy.	Tail	2	1034	4CP
	Stop			32CP

\* Information shown is standard equipment.

### TOOLS

Jack (column & bracket serves as spare wheel support; base as wheel clamp. All models except station wagons & sedan delivery)  
 Capacity ----- 1200 lb  
 Height ----- 28, raised; 5, lowered  
 Wheel wrench ----- Designed to serve also as jack handle and hub cap remover.

11-1-55 e Data revised, x Data added 5-9-56  
 58 - LIGHTS, HORNS, TOOLS

## INSTRUMENT PANEL LIGHTING

### Instrument cluster:

Temperature gauge ----- Clear white light  
 Gasoline gauge ----- Clear white light  
 Speedometer dial ----- Clear white light  
 High beam indicator ----- Red when lighted  
 Oil pressure indicator ----- Word "OIL"  
 (black letters on red ground) visible when oil pressure drops below safety level.

Generator ----- Word "GEN"  
 (black letters on red ground) visible when generator is not charging.

Turn indicators ----- Green when lighted  
 Powerglide shift indicator ----- Clear white light

### Others:

Ignition lock ----- Clear white light  
 Glove compartment ----- Clear white light. When switch is actuated by opening compartment door in the Two-Ten and Bel Air Series only.

### MAIN SWITCH

Three position "pull" type switch mounted on instrument panel with a protective fuse. A rheostat operated by rotating the switch knob controls the brightness of the instrument panel lights. Passenger compartment lights are controlled by a detent in the rheostat when switch knob is rotated to extreme travel counter-clockwise.

### PASSENGER COMPARTMENT LIGHTS

Convertible ----- Dual courtesy lamps, one under instrument panel each side.  
 Station Wagon (2429) -----  
 ----- Dual lamps, one located on each pillar directly behind front door operated by dome light switch or by a control to right of tailgate  
 All others ----- Single dome light located approximately at center of roof  
 Manually controlled by ----- Main switch  
 Automatically controlled by -----  
 ----- Opening front and rear doors in the Bel Air Series; front doors only in the Two-Ten Series. No automatic control in the One-Fifty Series

### REAR LICENSE LIGHTS

All models -----  
 One housed in each rear bumper guard inner face.

### DUAL CIRCUIT BREAKER

Type & location ----- Bi-metal thermal elements incorporated in main switch.  
 Capacity (each circuit) ----- 15 amperes

### HORNS

Make ----- Delco-Remy  
 Type ----- Vibrator  
 Number and location -----  
 ----- Two, attached to radiator side supports.  
 Relay in circuit ----- Yes  
 Current: High note ----- 9 amperes  
 Low note ----- 10 amperes

(CORVETTE TYPE ENGINE) RPO 411 \*

This 265 V-8 engine, 225 HP equipped with dual four-barrel carburetor, is basically the same as the regular Turbo-Fire V-8 with the following exceptions.

Compression ratio -----9.25:1

CRANKSHAFT MAIN BEARING

Material ---- .0003-.0008 babbitt on an aluminum shell

CAMSHAFT

Ramp:

Inlet opening ----- .00843, 20° long
Inlet closing ----- .01065, 30° long
Exhaust opening----- .01453, 33° long
Exhaust closing----- .01468, 37° long

PISTONS

Make & type----- Own, slipper skirt
Feature ----- Recessed piston head insures adequate valve clearance at high engine RPM.
Material -----Cast aluminum alloy with steel struts
Skirt clearance ----- .0016-.0020

NO. 1 COMPRESSION RING

Material ----- Cast alloy iron with chrome plated outside diameter
Width ----- .0775-.0780
Wall thickness ----- .169-.179
Gap clearance ----- .008-.016
Ring clearance in groove ----- .0012-.0032

CARBURETOR

Make ----- Carter
Model ----- WGF8
Type ----- 4 barrel
No. ----- 2, front & rear

AIR CLEANER

Make ----- AC
Type ----- Oil bath
Capacity ----- 1 pint
Element ----- Pita fibre & binder

FUEL PUMP

Make ----- AC
Model ----- FR
Drive ----- From camshaft thru push rod.
Arm movement ----- 34

FUEL STRAINER

Make ----- AC
Model ----- 854272

OIL FILTER

Type ----- Full flow
Capacity ----- 1.5 qt.

TIMING DIAGRAM DATA

Intake:
Opens (theoretical) ----- 21° 30' BTC
Closes (theoretical) ----- 62° 30' ABC
Exhaust opens (theoretical) ----- 62° 30' BBC
Exhaust closes (theoretical) ----- 23° 30' ATC

VALVES

Overall length, inlet----- 4.8699-4.8899
Overall head dia, inlet -----1.715-1.725
End dia, inlet ----- .3415-.3422
Face angle, inlet ----- 45°
Valve lash, inlet ----- .008
Overall length, exhaust----- 4.8905-4.9105
Overall head dia, exhaust----- 1.495-1.505
End dia, exhaust ----- .3410-.3417
Face angle, exhaust ----- 45°
Valve lash, exhaust ----- .018

CLUTCH PLATE & COVER

Type----- Multiple coil spring
Spring pressure----- Thru 12 coil springs
Total spring pressure----- 1755 lb.

CLUTCH DISC

Type ----- Single dry plate
Rated torque capacity (ft. lb.)----- 326
Area (both facings)----- 106.81 sq. in.

DISTRIBUTOR

Make ----- Delco-Remy
Model ----- 1110879
Breaker cap ----- .018
Cam angle (per breaker) ----- 29°
Total cam angle (both breakers) ----- 34°
Timing spare advance (initial) ----- 8° BTC

COIL

Make ----- Delco-Remy
Model ----- 1115091
Location ----- Engine, right side
Resistor type ----- External

SPARK PLUGS

Make ----- AC
Model ----- 43 com
Thread size ----- 14mm
Recommended gap ----- .033-.038

VALVE LIFTERS

Type ----- Mechanical

EXHAUST SYSTEM

Type ----- Dual

RPO 449 highlift camshaft available on all passenger cars except station wagons.

**CORVETTE SUPPLEMENT**