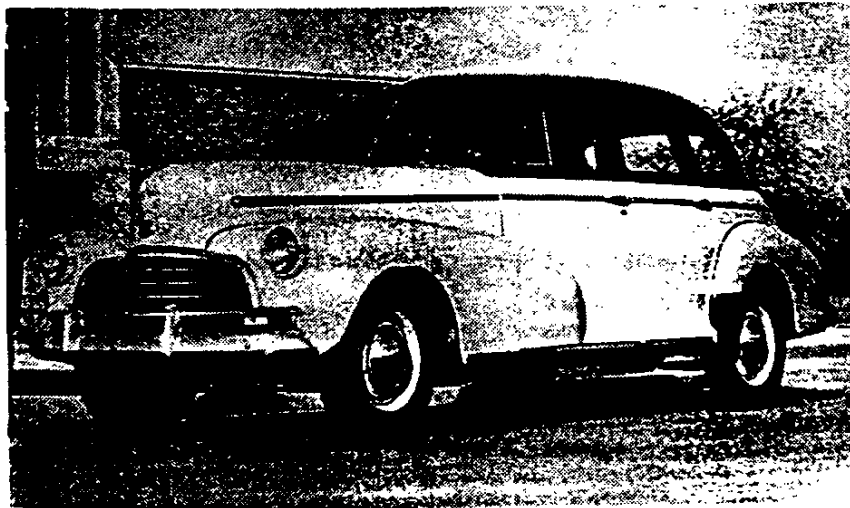




CHEVROLET




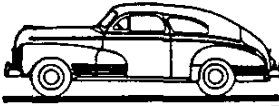

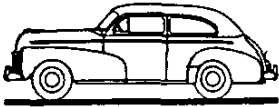



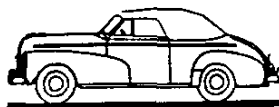



1946 Chevrolet, Stylemaster four-door sedan, 6-cyl

1946



PASSENGER CARS

IDENTIFICATION SYMBOLS

| VEHICLE TYPE | NAME AND DESCRIPTION | MANU-FACTURING SYMBOL | ENGINEERING SYMBOL | | |
|---|---|-----------------------|--------------------|-------------|-------------|
| | | | SERIES 2000 (DK) | | 1500 (DJ) |
| | | | FLEETLINE | FLEETMASTER | STYLEMASTER |
|  | <u>SPORTMASTER SEDAN</u> 5-passenger, 4-door, 5-window sedan with built-in trunk. | TRSD | 2113 | | |
|  | <u>AEROSEDAN</u> 5-passenger, 2-door, 5-window, plain-back coach with luggage compartment in rear. | TCP4 | 2144 | | |
|  | <u>SPORT SEDAN</u> 5-passenger, 4-door, 7-window sedan with built-in trunk. | CSED | | 2103 | 1503 |
|  | <u>TOWN SEDAN</u> 5-passenger, 2-door, 5-window coach with built-in trunk. | TSED | | 2102 | 1502 |
|  | <u>FIVE PASSENGER COUPE</u> 5-passenger, 2-door, 5-window coupe with luggage compartment in rear deck. | CPE4 | | 2124 | 1524 |
|  | <u>BUSINESS COUPE</u> 2-passenger, 2-door, 5-window coupe with luggage compartments behind seat and in rear deck. | CPE2 | | 2104 | 1504 |
|  | <u>COUPE PICKUP</u> Business Coupe with pickup box. (Rear deck door furnished for conver- sion to Business Coupe.) | CPEB | | | 1514 |
|  | <u>CABRIOLET</u> 5-passenger, 2-door, 5-window, folding top coupe with luggage compartment in rear deck. | CBL | | 2134 | |
|  | <u>STATION WAGON</u> 8-passenger, 4-door, 7-window, wooden body with drop and lift gates in rear. | STWG | | 2109 | |
|  | <u>SEDAN DELIVERY</u> 2-passenger, 3 door, 3-window, panel delivery car. | SDL | | | 1508 |
|  | <u>CHASSIS</u> Chassis, cowl and Fleetmaster windshield, Fleetmaster instru- ment panel (less cigarette lighter), wheelhouse panels, tail and stop lamps, license lamp and bracket. | PCH | | | 1501 |

EXTRA EQUIPMENT

This is a complete list of those items which may be added to a basic Chevrolet vehicle or substituted for its regular equipment at the customer's option.

Regular Production Options are released by the Engineering Department for installation at the Assembly Plant at the customer's request, in addition to or in place of regular equipment, and generally are at extra cost.

Other equipment, to meet the particular special requirements of some customers, is obtainable through Central Office Production Orders. None of this equipment is listed in this book.

Also not listed are maintenance accessories, such as cleaners, polishers, waxes, etc., the equipment used in their application, such as chemicals and sponges.

Throughout this book, wherever specifications of Regular Production Options are deemed desirable, they are quoted under the most appropriate subject headings (see Group Reference column).

Passenger car accessories are those items which are made available through the Parts and Accessories Department. They are purchased at extra cost by the customer and usually are installed by the owner or his garage or service station.

| Group Reference | Item | FLYLINE | | | | PLEETMASTER | | | | STYLMASTER | | | | | | |
|---------------------------------|--|-------------|-------------|--------------|---------------|-------------|--------------------------|---------------|---------------|---------------|-------------|------------|---------------|---------------|-------------|------|
| | | Acc. or RPO | Aero. Sedan | Sport. Sedan | Sport. Master | Town Sedan | 5-Pass. Coupe | 5-Pass. Coupe | 5-Pass. Coupe | Station Wagon | Sport Sedan | Town Sedan | 5-Pass. Coupe | 5-Pass. Coupe | 7-Pass. Van | |
| Exterior colors and finishes | Body, body, and wheel paint | Acc. | | | | 235A | 235B | 235A | 235A | | | 235A | 235B | 235C | 235D | 235E |
| Bumpers and chassis sheet metal | Fender (bumper front side extensions) (rear) | Acc. | | | | | 98597 (609497, service) | | | | | | | | | |
| | Rear fender gravel (metal) | Acc. | | | | | 98597 (609498, service) | | | | | | | | | |
| | Trunk (hinged at rear bumper center) | Acc. | | | | | 986001 (609599, service) | | | | | | | | | |
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| | Trunk (hinged at rear bumper center) | Acc. | | | | | 98597 (609498, service) | | | | | | | | | |
| | Trunk (hinged at rear bumper center) | Acc. | | | | | | | | | | | | | | |

EXTRA EQUIPMENT—Continued

| Group Reference | Item | FLATLINE | | | | FLIGHTMASTER | | | | Chevrolet | |
|-------------------|--|-------------|--------------|-------------|-------------|--------------------------|-------------|-------------|-------------|--------------------------|-------------|
| | | Acc. or RPO | Spec. master | Truck Sedan | Truck Coupe | Spec. master | Truck Sedan | Truck Coupe | Truck Sedan | | Truck Coupe |
| Seats (continued) | Ventilated seat cushion | Acc. | 2667 | 2668 | 2669 | 985799 (604673, service) | 2667 | 2668 | 2669 | 985799 (604673, service) | |
| | Back rest cushion | Acc. | | | | | | | | | |
| | Combination front door arm rest and door pull (Pleasant) | Acc. | | | | | | | | | |
| | Tailgate type cushion springs | RPO | 223A | 223A | 223A | 985782 (607047) (607081) | 223A | 223A | 223A | 985782 (607047) (607081) | |
| | Front door ventilators front shields | RPO | 223A | 223A | 223A | 985782 (607047) (607081) | 223A | 223A | 223A | 985782 (607047) (607081) | |
| | Side window rain deflector sets | RPO | 223A | 223A | 223A | 985782 (607047) (607081) | 223A | 223A | 223A | 985782 (607047) (607081) | |
| | Right hand rear door lock remote control | RPO | 223A | 223A | 223A | 985782 (607047) (607081) | 223A | 223A | 223A | 985782 (607047) (607081) | |
| | Upper unit | Acc. | | | | | | | | | |
| | Front shield (fyrain) | Acc. | | | | | | | | | |
| | Wipers and/or holder | Acc. | | | | | | | | | |
| | Electric chaser (6 and 110 volts) | Acc. | | | | | | | | | |
| | Top color options | RPO | 224A | 224A | 224A | 985782 (607047) (607081) | 224A | 224A | 224A | 985782 (607047) (607081) | |
| | Pickup box and equipment | RPO | | | | | | | | | |
| | Less pickup box equipment | RPO | | | | | | | | | |
| | Back of seat screen and wood partition, package rests, rear window screen, inside rear door handle | RPO | | | | | | | | | |
| | 228B, plus inside ladder carrier | RPO | | | | | | | | | |
| | Heavy rear springs | RPO | | | | | | | | | |
| | Economy Engine conversion equipment | RPO | | | | | | | | | |
| | Governor | Acc. | | | | | | | | | |
| | With regular engine | RPO | | | | | | | | | |
| | With air cleaners 216A, F, or D | RPO | | | | | | | | | |
| | Carb. to | RPO | | | | | | | | | |
| | with reg. eng. and governor 216A, F, or D | RPO | | | | | | | | | |
| | seccl. rod Economy eng. and gov. 241A | RPO | | | | | | | | | |
| | equipment (half throttle) no governor | RPO | | | | | | | | | |
| | Oil filler | RPO | | | | | | | | | |
| | Oil pan drain magnetic plug | Acc. | | | | | | | | | |
| | Air | RPO | | | | | | | | | |
| | cleaners | RPO | | | | | | | | | |
| | Oil 1 lb. dirt capacity | RPO | | | | | | | | | |
| | bat 2 lb. dirt capacity | RPO | | | | | | | | | |
| | Leaking gas tank cap | Acc. | | | | | | | | | |
| | Muffler tail pipe extension | RPO | | | | | | | | | |
| | Radiator overflow return tank | RPO | | | | | | | | | |
| | Thermostats | Acc. | | | | | | | | | |
| | Radiator winter cover | Acc. | | | | | | | | | |
| | Radiator insect screen, outside | Acc. | | | | | | | | | |
| | Heavy duty truck type | RPO | | | | | | | | | |
| | Magnetic drain plug | Acc. | | | | | | | | | |
| | 3.731 ratio | RPO | | | | | | | | | |
| | Magnetic filler plug | Acc. | | | | | | | | | |
| | "No-Pole" brake setting device | Acc. | | | | | | | | | |
| | Hand brake whistle signal | Acc. | | | | | | | | | |
| | 6.00-16-6 ply tires | RPO | | | | | | | | | |
| | Wheel disc, chrome plated | Acc. | | | | | | | | | |
| | Wheel molding, chrome plated | Acc. | | | | | | | | | |
| | Wheel trim ring, ivory plastic | Acc. | | | | | | | | | |
| | Spare tire lock | Acc. | | | | | | | | | |
| | Spare tire air connection | Acc. | | | | | | | | | |
| | Fluible spoke steering wheel | Acc. | | | | | | | | | |
| | Spot lamp (Safety Light) | Acc. | | | | | | | | | |
| | Tag lamp | Acc. | | | | | | | | | |
| | Tail end | RPO | | | | | | | | | |
| | Stop lamps (left hand) | RPO | | | | | | | | | |
| | Right hand | RPO | | | | | | | | | |
| | Backup lamp | Acc. | | | | | | | | | |
| | Direction signal device | Acc. | | | | | | | | | |
| | Luggage compartment lamp | Acc. | | | | | | | | | |
| | Underhood lamp | Acc. | | | | | | | | | |
| | Glove compartment light | Acc. | | | | | | | | | |
| | 4" Red reflex reflector | Acc. | | | | | | | | | |
| | Bumper Jack | Acc. | | | | | | | | | |
| | Hydraulic bumper jack | Acc. | | | | | | | | | |
| | Flashlight | Acc. | | | | | | | | | |
| | Flashlight battery | Acc. | | | | | | | | | |

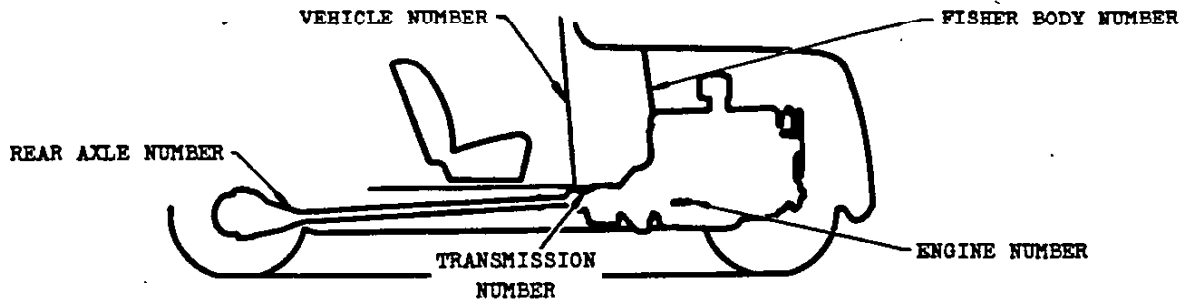
* - For State of Washington
 Not shown above for model 1965: RPO 350 A and B, Tail Cab Conversion Equipment, which includes changes in the front suspension, rear axle, fan blade assembly, clutch, transmission, and body side guards in place of body sill molding. Also, RPO 351A Cloth Tris and 352A Imitation Leather Tris.

EXTERIOR COLORS AND FINISHES

| ITEM | FLEETLINE AND FLEETMASTER | | | | | | | | | STYLEMASTER | | | | | |
|--|--|---|-----------------------------------|------------------------|--------------------------|---------------------------------|----------------------------|--------------------------|-----------------------------|-----------------------|--------------------------|------------------------|-------------------------|---------------------------------|--|
| | Sedans, Coupes, Cabriolet | | | Sedans, Coupes | | | Station Wagon | | | Sedans | | Coupes | | Sedan Delivery | |
| Vehicle basic color or color combination | Solid Black (reg.) | Solid Maroon RPO 235A | Solid Blue RPO 235B | Two-Tone Blue RPO 235E | Two-Tone Green RPO 236C | Two-Tone Beige & Brown RPO 235D | Solid Brown (reg.) | Solid Maroon RPO 235A | Solid Black (reg.) | Solid Maroon RPO 235A | Solid Blue RPO 235E | Two-Tone Blue RPO 235E | Two-Tone Green RPO 236C | Two-Tone Beige & Brown RPO 235D | |
| Bumper and guards | Chrome plate | | | | | | | | | | | | | | |
| Front gravel deflector (between bumper and radiator grille) | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige Baking Dulux | Maple Brown Metallic Duo | Maroon Metallic Duo | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige Baking Dulux | |
| Radiator grille | Chrome plate | | | | | | | | | | | | | | |
| Grille name plate | Chrome plate with "Chevrolet" in blue Dulux. | | | | | | | | | | | | | | |
| Parking lamps (in grille) | Chrome plated frame, crystal plastic lens. | | | | | | | | | | | | | | |
| Hood | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Metallic Duo | Maroon Metallic Duo | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Emblem | Chrome plate with blue and red Baking Dulux. | | | | | | | | | | | | | | |
| Ornamentation (on top) | Chrome plate | | | | | | | | | | | | | | |
| Top molding | Polished stainless steel. | | | | | | | | | | | | | | |
| Louver molding | Polished stainless steel with model name at front in black Baking Dulux. | | | | | | | | | | | | | | |
| Head-lamps | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Metallic Duo | Maroon Metallic Duo | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Door stripping | Tokio Ivory Striping Duo | Gold Bronze Powder | | White | Scout Ivory Striping Duo | Tokio Ivory Powder | Gold Bronze Powder | Tokio Ivory Striping Duo | Gold Bronze Powder | White | Scout Ivory Striping Duo | | | | |
| Lenses | Crystal glass with chrome plated rims. | | | | | | | | | | | | | | |
| Fenders | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Metallic Duo | Maroon Metallic Duo | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Front fender door extensions | Black | | | | | | | | | | | | | | |
| Anti-squeak | Black rubber (on leading end of rear fenders). | | | | | | | | | | | | | | |
| Gravel deflector | Polished stainless steel (Fleetline only). | | | | | | | | | | | | | | |
| Skirt moldings | Black | | | | | | | | | | | | | | |
| Wheels | Black Baking Dulux | Maroon Net. Bak. Dul. | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Net. Bak. Dul. | Maroon Net. Bak. Dul. | Black Baking Dulux | Maroon Net. Bak. Dul. | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Striping | Tokio Ivory Striping Duo | Gold Bronze Powder | | White | Scout Ivory Striping Duo | Tokio Ivory Powder | Gold Bronze Powder | Tokio Ivory Striping Duo | Gold Bronze Powder | White | Scout Ivory Striping Duo | | | | |
| Hub caps | Chrome plate with blue and red Baking Dulux trim. | | | | | | | | | | | | | | |
| Body proper | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Fleet Blue | Volunteer Green | Scout Brown | Maple Brown Metallic Duo | Maroon Metallic Duo | Mayland Black di-Lustre Duo | Maroon Metallic Duo | Ensign Blue | Fleet Blue | Volunteer Green | Scout Brown | |
| Cowl and windshield | Polished stainless steel. | | | | | | | | | | | | | | |
| Vent. drip shield | Black rubber | | | | | | | | | | | | | | |
| Upper body panels | Polished stainless steel. | | | | | | | | | | | | | | |
| Lower body panels | Black rubber | | | | | | | | | | | | | | |
| Body sill extension panels | Polished stainless steel. | | | | | | | | | | | | | | |
| Wind-shield | Black rubber | | | | | | | | | | | | | | |
| Tris molding | Polished stainless steel. | | | | | | | | | | | | | | |
| Divider bar | Polished stainless steel. | | | | | | | | | | | | | | |
| Wipers | Chrome plated brackets, bright metal rods, and stainless steel blade holders. | | | | | | | | | | | | | | |
| Cabriolet rear view mirror | Chrome plated metal parts. | | | | | | | | | | | | | | |
| Side windows | Chrome plated frames and vertical bar. | | | | | | | | | | | | | | |
| Ventipane frames | Polished stainless steel. | | | | | | | | | | | | | | |
| Glass channels | Natural wood | | | | | | | | | | | | | | |
| Reveals | Black rubber | | | | | | | | | | | | | | |
| Cab. glass frames | Chrome plate | | | | | | | | | | | | | | |
| Rear window trim molding | Natural wood | | | | | | | | | | | | | | |
| Body crease-line | Polished stainless steel. | | | | | | | | | | | | | | |
| Body moldings | Natural wood | | | | | | | | | | | | | | |
| Belt | Polished stainless steel. | | | | | | | | | | | | | | |
| Sill | Polished stainless steel. | | | | | | | | | | | | | | |
| Door handles and locks | Chrome plate | | | | | | | | | | | | | | |
| Gasoline tank filler | Black Baking Dulux | Maroon Net. Bak. Dul. | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Net. Bak. Dul. | Maroon Net. Bak. Dul. | Black Baking Dulux | Maroon Net. Bak. Dul. | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Filler neck seal | Black | Maroon | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown | Maroon | Black | Maroon | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Rear name on trunk or deck | Rubber Lacquer | | | | | | | | | | | | | | |
| Tail and stop lamps | Chrome plate | | | | | | | | | | | | | | |
| Body or frame | Regular sedans and coupes, chrome plate. Sedan Delivery, same as headlamps. Coupe Pickup box lamp. | | | | | | | | | | | | | | |
| Lenses | Black Baking Dulux | | | | | | | | | | | | | | |
| Rear brackets | Same as tail and stop lamp. | | | | | | | | | | | | | | |
| License lamp and base | Black Baking Dulux | | | | | | | | | | | | | | |
| Trunk handle "wings" | Chrome plate | | | | | | | | | | | | | | |
| Rear gravel deflector (Not on Station Wagon) | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | Maple Brown Metallic Duo | Maroon Metallic Duo | Black Baking Dulux | Maroon Metallic Duo | Ensign Blue | Wing Blue | Seafoam Green | Sport Beige | |
| Tire cover | Pol. st. stl. | | | | | | | | | | | | | | |
| Leatherette top | Brown Maroon | | | | | | | | | | | | | | |
| Cabriolet fabric top and seat upholstery color combinations. | Black top, red leather. (Reg.) Tan top and leather. (RPO 360D) | Black top (RPO 360B) or tan top (RPO 360A) and red leather. | Tan top, blue leather. (RPO 360C) | | | | | | | | | | | | |

SERIAL NUMBERS

SERIAL NUMBER LOCATIONS.
(See descriptions below.)



NOTE: Serial numbers were obtained from Standards Department.

VEHICLE SERIAL NUMBER

Description ----- Combines symbols for assembly plant, model year, model, and month of manufacture, in that order, followed by serial number for each vehicle. Example: 5 DKA-2322.

Assembly plant symbols - Flint, Mich. ----- 1
 - Tarrytown, N. Y. ---- 2
 - St. Louis, Mo. ----- 3
 - Kansas City, Mo. ---- 5
 - Oakland, Calif. ----- 6
 - Atlanta, Ga. ----- 8
 - Norwood, O. ----- 9
 - Baltimore, Md. ----- 14
 - Janesville, Wis. --- 21

Model year designation ----- D

Model designation - Stylemaster ----- J
 - Fleetmaster and Fleetline - K

Calendar month designation - January ----- A
 - February ----- B
 - March, etc. - C, etc.

Starting serial number ---- 1001 and up, at each assembly plant and for each series.

Location ----- Stamped on plate on right front door hinge pillar.

ENGINE SERIAL NUMBER

Description --- Combines symbols for model year, passenger car engine, and manufacturing plant in that order, followed by serial number for each engine. Example: DAA-6375

Model year designation ----- D

Passenger car designation ----- A

| Type and plant: | Flint | Tonawanda |
|----------------------------------|-------|-----------|
| -Regular engine | A | M |
| -RPO 227A with heavy duty clutch | C | P |

Starting serial number ---- 1001 and up, at each engine plant.

Location ----- Stamped on right side center of engine cylinder block just to rear of distributor.

TRANSMISSION SERIAL NUMBER

Description --- Combines symbols for model year, and type and plant, followed by serial number for each transmission. Example: DB-1764.

Model year designation ----- D

| Type and plant: | Saginaw | Muncie | Toledo |
|--|---------|--------|--------|
| -Regular with 4.11:1 Axle | A | B | C |
| -RPO 201A with 3.73:1 Axle | D | E | F |
| -RPO 316A heavy duty transmission and 4.11:1 Axle | G | H | J |
| -RPO 316B heavy duty transmission and RPO 201B 3.73:1 Axle | K | L | M |

Starting serial number ---- 1001 and up, at each transmission plant.

Location -- Stamped on case at front edge of cover.

REAR AXLE SERIAL NUMBER

Description --- Combines symbols for model year, and type and plant, followed by number of rear axle. Example: DB-1112.

Model year designation ----- D

| Type and plant: | Gear & Axle | Tonawanda |
|------------------------------|-------------|-----------|
| -Regular (4.11:1 Axle) | A | B |
| -RPO 201A or B (3.73:1 Axle) | C | D |

Serial number ----- The first one or two digits represent the month; the following digits, the day of the month.

Location ----- Stamped on front upper surface of differential carrier.

BODY NUMBER

Description --- Consists of separate numbers and symbols for body style, body number, trim type, and paint combination. Controlled by body sources.

Location ----- Stamped on plate on right side of front of dash.

VEHICLE WEIGHTS

| VEHICLE TYPE | FLEETLINE | | FLEETMASTER | | STYLEMASTER | |
|----------------------|-----------|------|-------------|------|-------------|------|
| | Shipping | Curb | Shipping | Curb | Shipping | Curb |
| Sportmaster Sedan | 3215 | 3370 | | | | |
| On front wheels | 1700 | 1710 | | | | |
| On rear wheels | 1515 | 1660 | | | | |
| Aerosedan | 3140 | 3295 | | | | |
| On front wheels | 1670 | 1680 | | | | |
| On rear wheels | 1470 | 1615 | | | | |
| Sport Sedan | | | 3200 | 3355 | 3150 | 3305 |
| On front wheels | | | 1705 | 1715 | 1690 | 1700 |
| On rear wheels | | | 1495 | 1640 | 1460 | 1605 |
| Town Sedan | | | 3165 | 3320 | 3145 | 3300 |
| On front wheels | | | 1700 | 1710 | 1695 | 1705 |
| On rear wheels | | | 1465 | 1610 | 1450 | 1595 |
| Five-Passenger Coupe | | | 3120 | 3275 | 3105 | 3260 |
| On front wheels | | | 1690 | 1700 | 1685 | 1695 |
| On rear wheels | | | 1430 | 1575 | 1420 | 1565 |
| Business Coupe | | | | | 3080 | 3235 |
| On front wheels | | | | | 1680 | 1690 |
| On rear wheels | | | | | 1400 | 1545 |
| Cabriolet | | | 3420 | 3575 | | |
| On front wheels | | | 1800 | 1810 | | |
| On rear wheels | | | 1620 | 1765 | | |
| Station Wagon | | | 3435 | 3590 | | |
| On front wheels | | | 1615 | 1625 | | |
| On rear wheels | | | 1820 | 1965 | | |
| Sedan Delivery | | | | | 3135 | 3290 |
| On front wheels | | | | | 1690 | 1700 |
| On rear wheels | | | | | 1445 | 1590 |
| Chassis | | | | | 2550 | 2705 |
| On front wheels | | | | | 1570 | 1580 |
| On rear wheels | | | | | 980 | 1125 |

VEHICLE WEIGHT CONDITIONS

SHIPPING WEIGHT: This weight is established by the Traffic Department; it 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, water or spare tire.

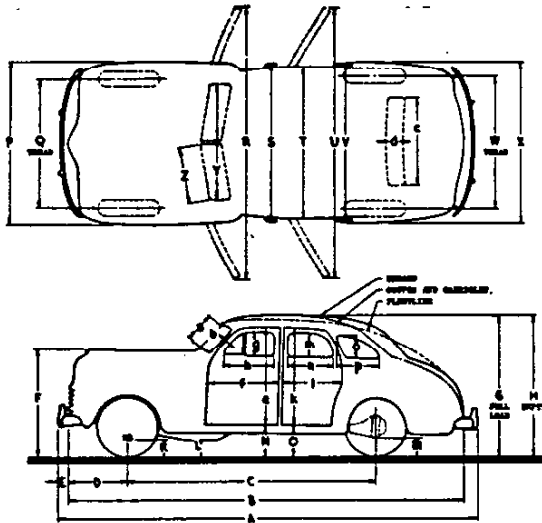
CURB WEIGHT: This is the weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline (99 pounds), water (31 pounds), and the spare tire (25 pounds).

PERFORMANCE WEIGHT: This is the shipping weight of the lowest priced 5-passenger, 4 door sedan in each line with regular equipment plus the weight of the spare tire, plus 450 pounds for three passengers, plus 50 pounds of gasoline, oil and water. This definition conforms with that of the Automobile Manufacturer's Association. Chevrolet's representative vehicles are:

Fleetline Sportmaster Sedan ----- 3740 pounds
 Fleetmaster Sport Sedan ----- 3725 pounds
 Stylemaster Sport Sedan ----- 3675 pounds

10-21-46 Sheet revised - supersedes sheet dated 5-1-46.

EXTERIOR DIMENSIONS



BODY DIMENSIONS

Except for the Station Wagon, no changes in size from the 1942 bodies are planned for the bodies of the 1946 passenger cars. Dimensions missing from the chart below will be added at a later date, when the data becomes available.

| ITEM | | Sym- bol | FLEETLINE | | FLEETMASTER AND STYLEMASTER | | | | FLEETMASTER | | STYLEMASTER | |
|---------------------------|--------------------------------|-------------|-------------------|------------------|-----------------------------|---------------|------------------|----------------------|----------------|------------------|-------------------|---------|
| | | | Aero- sedan | Sport- master | Sport Sedan | Town Sedan | 5-Pass. Coupe | Bus.Cpe. & Pickup | Cab- riolet | Station Wagon | Sedan Delivery | |
| Car length | Overall | A | 197-3/4 | | | | | | | | 207-1/2 | 196-1/2 |
| | Less bumpers | B | 184-9/16 | | | | | | | | | |
| | Wheelbase | C | 116 | | | | | | | | | |
| | Wheel center to grille front | D | 27-7/8 | | | | | | | | | |
| | Grille front to bumper front | E | 5-3/8 | | | | | | | | | |
| Max. car height | Over hood ornament, loaded | F* | 48-15/16 | | | | | | | | | |
| | Loaded | G* | 63-5/8 | | 66-1/8 | | | 65-7/8 | 65-5/8 | | 66-7/8 | |
| Min. road clearance | No load | H@ | 66-7/8 | | 69-3/8 | | 68-5/8 | 67-1/4 | 68-3/8 | | | |
| | Under front spring seats | K% | 8-1/4 | | | | | | | | | |
| Door step height | Under exhaust pipe | L% | 7-1/4 | | | | | | | | | |
| | Under rear axle at center | M% | 7-7/8 | | | | | | | | | |
| Max. car width | Front | N@ | 15-3/4 | | | | | | | | | |
| | Rear | O@ | | 16 | | | | | 16 | | | |
| Wind- shield | Over front fenders | P | 73-3/8 | | | | | 72-5/8 | | | | |
| | Front wheel tread | Q | 57-5/8 | | | | | | | | | |
| | Over front doors, open | R | 144 | | 122 | | | 138 | | | | |
| | Over front door handles | S | 69-7/8 | 68-3/8 | 67-3/4 | | | 69-7/8 | | | | |
| | Across body | T | 70-7/8 (at sills) | | | | | | | | | |
| | Over rear doors, open | U | | 128 | 119 | | | | | | | |
| | Over rear door handles | V | | 70-1/8 | 69-7/8 | | | | | | | |
| | Rear wheel tread | W | 60 | | | | | | | | | |
| Rear window | Over rear fenders | X | 72-3/4 | | | | | | | | | |
| | Width between pillars | Y | 46-1/4 | | | | | | | | | |
| | Width to bar | Z# | 23-1/4 | | | | | | | | | |
| | Height and slope from vertical | a# | 14-1/2 x 41° | | | | | | | | | |
| Front side door | Corner post (on diagonal) | b | 4 | | | | | | | | | 4 |
| | Width | c# | 36 | | | | | | | | | |
| Rear side door | Height | d# | 14-7/8 | 10-3/4 | | | 12-1/2 | | | | | |
| | Opening height, max. | e | 45-1/8 | | | | | | | | | 45-1/8 |
| Rr. qtr. window | Opening width | f | See page 14 | | See page 15 | | See page 16 | | See page 17 | See page 18 | | |
| | Window height, max. | g# | 12-1/8 | | | | | | | | | |
| | Window length, max. | h# | 25-1/8 | | | | | | | | | |
| Rr. qtr. window | Opening height, max. | k | 45 | | | | | | | | | |
| | Opening width | l | | | | | | | | | | |
| | Window height, max. | m# | 12-1/8 | | | | | | | | | |
| Rr. qtr. window | Window length, max. | n# | 22-1/8 | | | | | | | | | |
| | Height, max. | o# | 14-3/4 | | | | | | | | | |
| Rr. qtr. window | Length, max. | p# | 10-7/8 | | | | | | | | | |

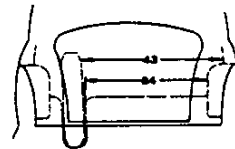
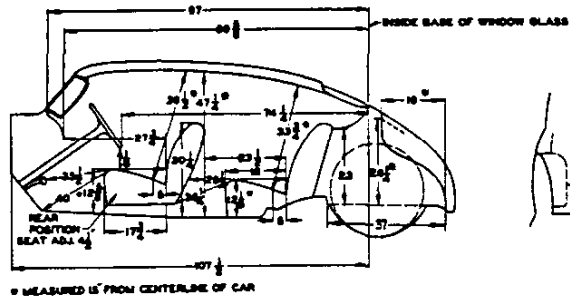
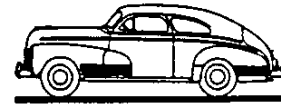
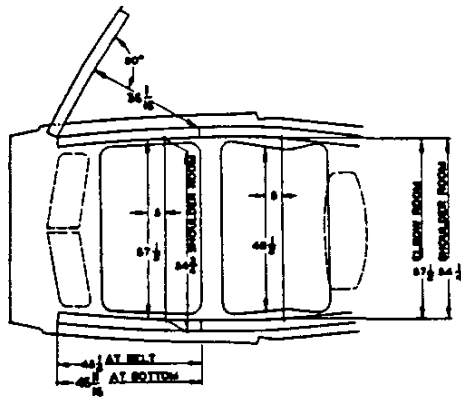
* - Under design load conditions (curb weight with regular equipment, plus weights of specified number of passengers (150 lb. each), plus trunk load or payload. @ - At shipping weight height. % - Road clearance is based on static conditions of tires and springs under design load (see *). Actual clearances with car in operation when loaded are greater. # - Visual areas, measured on surface of glass.

2-1-46

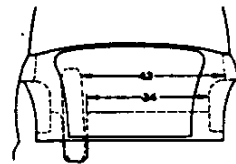
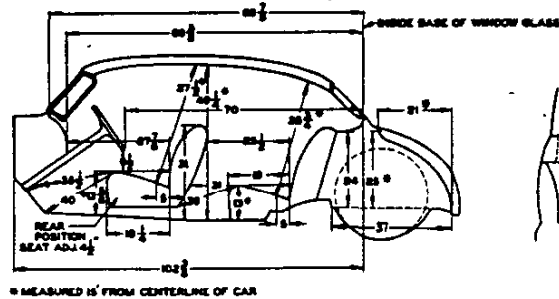
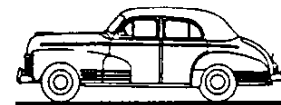
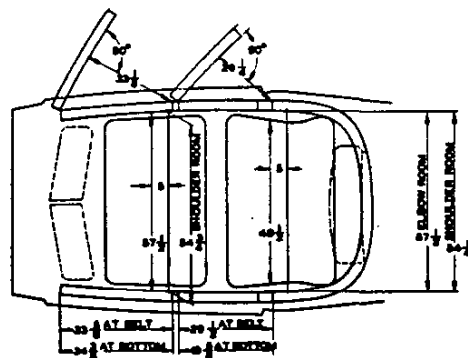
BODY INTERIOR DIMENSIONS

(see note at top of page 13.)

AEROSEDAN (Fleetline)



SPORTMASTER (Fleetline)

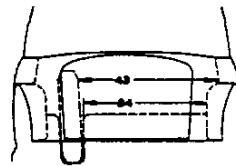
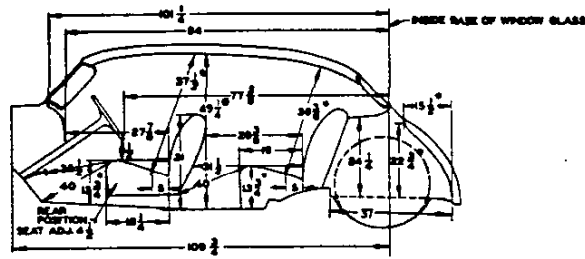
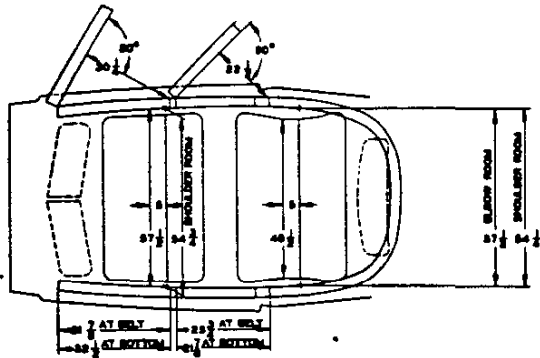


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BODY INTERIOR DIMENSIONS—Continued

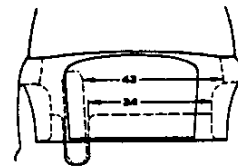
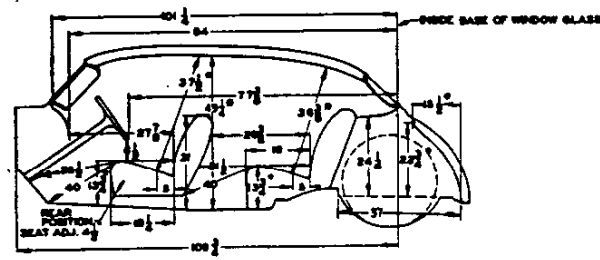
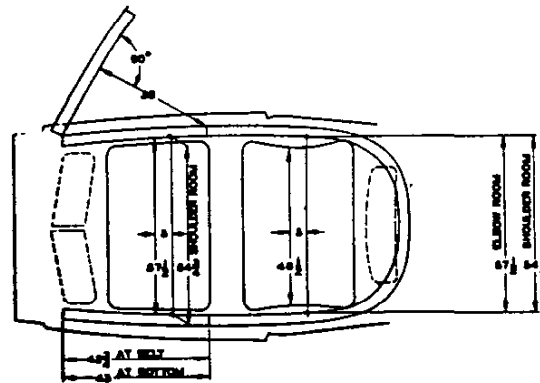
(see note at top of page 13.)

SPORT SEDAN (Stylemaster and Fleetmaster)



• MEASURED IN" FROM CENTERLINE OF CAR

TOWN SEDAN (Stylemaster and Fleetmaster)



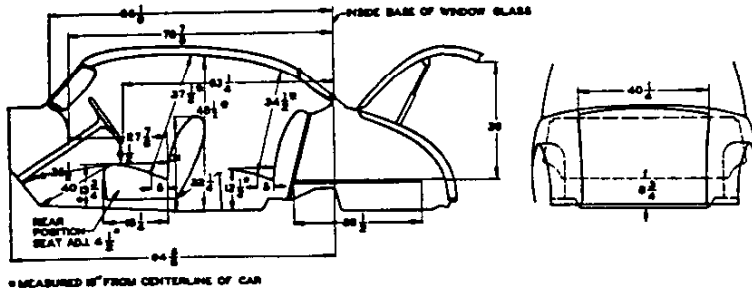
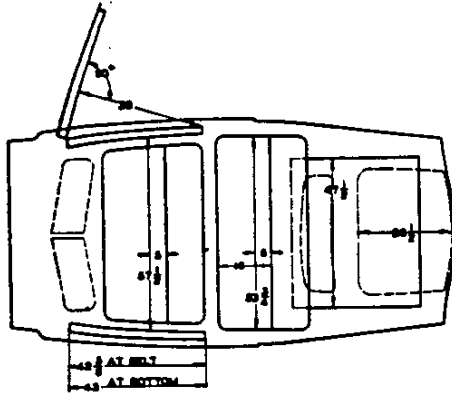
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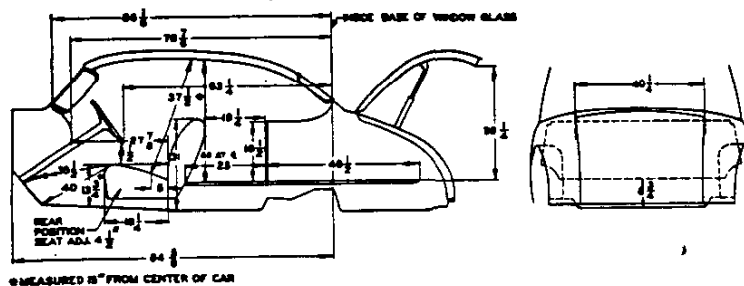
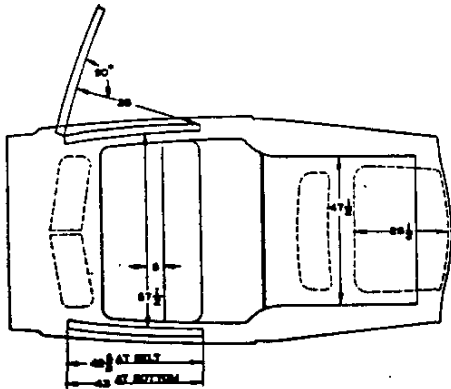
BODY INTERIOR DIMENSIONS—Continued

(see note at top of page 13.)

FIVE-PASSENGER COUPE (Stylemaster and Fleetmaster)



BUSINESS COUPE (Stylemaster and Fleetmaster)

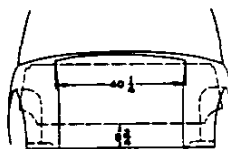
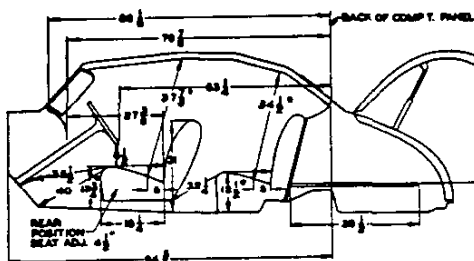
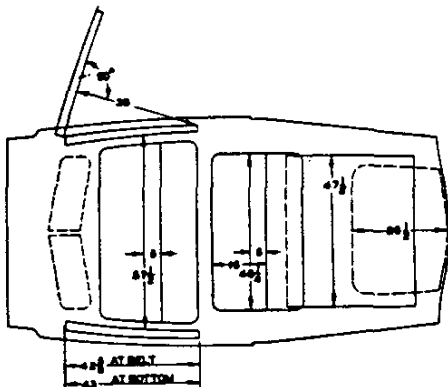


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BODY INTERIOR DIMENSIONS—Continued

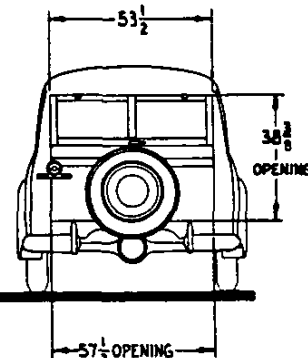
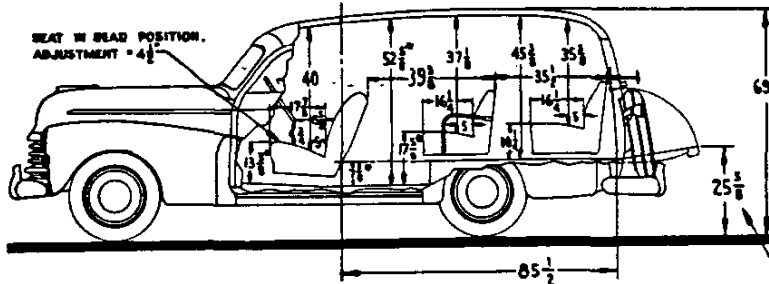
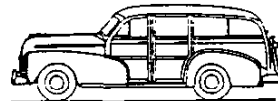
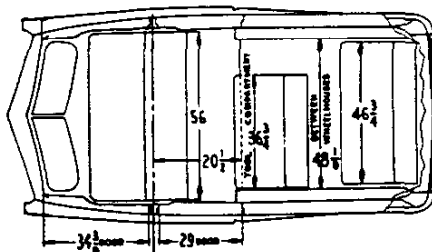
(see note at top of page 13.)

CABRIOLET (Fleetmaster)



* MEASURED 15" FROM CENTERLINE OF CAR

STATION WAGON (Fleetmaster) ●



UNDER FULL LOAD WITH 6.00-16-4 PLY FRONT AND REAR TIRES.

* - Measured 15" from centerline of car

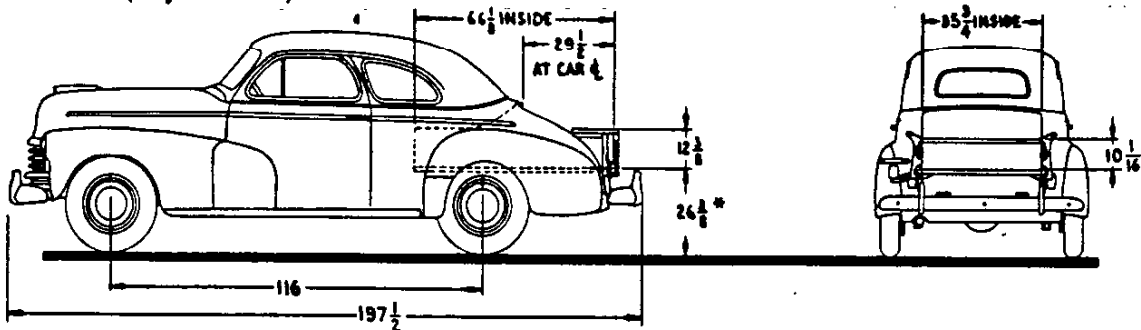
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2-1-46. 5-1-46: ● - Station Wagon dimensions added.

BODY INTERIOR DIMENSIONS—Continued

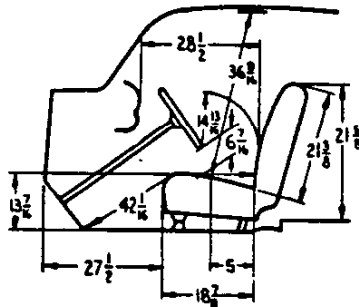
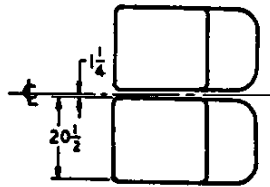
(see note at top of page 13.)

COUPE PICKUP BOX (Stylemaster)

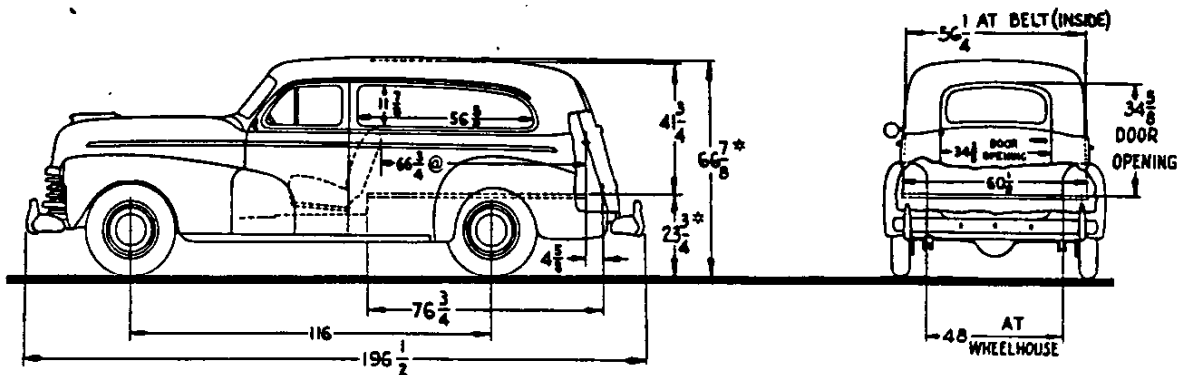


* - Loaded height with 6.00-16-4 ply tires.

SEDAN DELIVERY (Stylemaster)



Seat in rear position.
Adjustment = 4"



* - Loaded height with 6.00-16-4 ply tires. @ - With seat in rear position.

BUMPERS AND CHASSIS SHEET METAL

| ITEM | FLEETLINE | | FLEETMASTER | | STYLEMASTER | | |
|-------------------------------|---|--|--------------------------|---|--------------------------------------|-----------------------------|--------------------------|
| | Sportmaster and Aerosedan | Sedans, Coupes and Cabriolet | Station Wagon | Sedans and Coupes | Coupe Pickup | Sedan Delivery | Chassis |
| Bumpers | Make | Own | | | | | |
| | Type | Front | Full-width, conventional | | | | |
| | | Rear | Full-width, conventional | 2 bump-erettes | Full-width, conventional | Full-width, recessed | Full-width, conventional |
| | Guards | Two, conventional, both front and rear. | | | | | |
| Splash and gravel de-flectors | Front | Extension of radiator splash shield between bumper and radiator grille. | | | | | |
| | Rear | Metal. Between rear of body and rear bumper. Attached to bumper. Slides under body. | | Metal. Between rear of body and rear bumper. Attached to bumper. Slides under body. | | | |
| | Fender | Black rubber. Attached to leading end of both rear fenders. | | | | | |
| | Radiator grille | Plain horizontal bar type. Stamped bars, die cast molding. Chrome plated. | | | | | |
| Hood | Type | Alligator jaw. Counterbalanced, spring-loaded hinges at rear. Integral sides. | | | | | |
| | Lock control | Remote. Handle at left of steering wheel below instrument panel. | | | | | |
| | Louvers | Concealed under hood louver moldings. | | | | | |
| | Louver moldings | Polished stainless steel stamping in line with body belt molding. | | | | | |
| | Model name | "Fleetline" | "Fleetmaster" | "Stylemaster" | | | |
| | Emblem | On separate plates mounted on front ends of hood louver moldings. | | | | | |
| | Ornament | On hood nose. Trade-mark on shield in red and blue enamel on chrome plated, modified "V" background. | | | | | |
| Fenders | Front | Die cast airfoil shape, chrome plated. | | | | | |
| | Rear | Polished stainless steel. Extends from ornament to cowl ventilator. | | | | | |
| | Valance moldings | Deep crowned, full-skirted, "Door-Action" type with shallow "cat-walk". | | | | | |
| Front sheet metal mounting | Front | Deep crowned, full-skirted type. | | | | | |
| | Rear | 3, fr. & rr. | | | | | |
| License plate location | Front | 3, fr. & rr. Pol. st. stl. | | | | | |
| Sheet metal finish | Front | "Stabilized". Fenders, headlamps, and radiator mounted as a unit on central rubber cushion. | | | | | |
| | Rear | On bumper center, when required. Bracket for installation in tool kit. | | | | | |
| Sheet metal finish | At center of trunk door above handle and license lamp cluster. | Below lamp at left top of tail gate. | Same as Fleet-master. | Below tail gate at left of body. | On rear door center above tail lamp. | Sedan parts. Shipped loose. | |
| | Bonderized, primed, and lacquered with Dupont pyroxilin lacquers. | | | | | | |

BODY GENERAL INFORMATION

| ITEM | FLEETLINE AND FLEETMASTER | | | STYLEMASTER | |
|-------------------------|--|---|--|---|-------------------------------|
| | Sedans and Coupes | Cabriolet | Station Wagon | Sedans, Coupes, Sedan Delivery | Chassis |
| Make | Fisher Body Division, GMC | | Reed Furn. Co. | Fisher Body Division, GMC | |
| Body shell construction | Unisteel. All steel parts. Turret-Top, cowl, side, and rear panels, and underbody thoroughly braced by box-section reinforcements and welded into one solid unit. Double-walled doors. All-steel seat frames. Reinforced by Box-girder chassis frame. Thorough insulation. | Same as Coupes except for fabric top. Reinforced by special VK-braced Box-girder chassis frame. | All steel cowl and underbody. Hardwood body and door frames. Mahogany panels. Slat and vinyl-ite top. Regular chassis frame. | Same as Fleet-master Sedans and Coupes. | All steel cowl and underbody. |
| Exterior finish | Bonderized, primed, and lacquered with Dupont pyroxilin lacquers. | | Clear air dry Dulux | | Bonderized and primed. |
| Ventilation | Fisher "No-Draft" ventilation. | | | | |

WINDSHIELD AND RELATED EQUIPMENT

| ITEM | FLEETLINE Sportmaster and Aerosedan | FLEETMASTER | | | STYLEMASTER | | |
|------------------|--|--|--|---|--|--|---|
| | | Sedans and Coupes | Cabriolet | Station Wagon | Sedans, Coupes, Coupe Pickup | Sedan Delivery | Chassis |
| Glass | Description | Two flat panes divided by vertical bar in permanent "Windstream V" installation. | | | | | |
| | Material | L-O-F Hi-Test Safety (laminated) Plate. (See p. 13 for size.) | | | | | |
| Outside molding | | Polished stainless steel | | | Black rubber | | Pol.st.stl. |
| Divider | Outside | Polished stainless steel | | | | | |
| bar finish | Inside | Blistered | Butt | | | Blistered | |
| Garnish molding | | Walnut grain | Walnut grain | | | Walnut grain | |
| Defroster slots | | Two. Formed in garnish molding below center of each pane of glass. | | | | | |
| Wipers | | Two, vacuum operated. Ivory plastic control on top of instrument panel. Blades park flush with windshield lower molding and point toward divider bar. | | | | | |
| Rear view mirror | | Rectangular, adjustable; inside at top of divider bar. | Circular, adjustable; on outside left door. | Rectangular, adjustable; inside at top of divider bar. | Circular, adjustable; on outside left door. | | |
| Sunshades | | 2, universally ad- justable sliding type. | 2, hinged at both ends. | 2, universal- ly adjusta- ble sliding type. | 1, for driv- er. Same as in Fleetmas- ter Sedans and Coupes. | 1, univ. adj. sliding type for driver. | 2. Same as in Fleetmas- ter Sedans and Coupes, less trim. |

INSTRUMENT PANEL AND INSTRUMENTS

| ITEM | FLEETLINE Sportmaster and Aerosedan, FLEET- MASTER Station Wagon, STYLEMASTER Chassis. | FLEETMASTER (except Station Wagon) | STYLEMASTER (except Chassis) |
|------------------------|--|---|--|
| Base panel finish | Circassian Walnut grain | "Two-tone". Crown, Butt Walnut grain; face, Alcona Gray. | Hawk Brown Metallic Duco |
| Ornamentation | Continuous effect, chrome plated, polished and satin- finished fluted decorative panels across full width of instrument panel upper face. Alcona Gray Metallic Duco finished speedometer and clock rims divide them into three groups: instrument cluster, center, and glove compartment door. On center panel are Chevrolet name in black and trade-mark on shield in red and blue enamel under Alcona Gray Dulux painted strip. Chrome plated radio speaker grille and gray plastic control panel are below center panel. | | Center decorative panel identical with that on Fleetline and Fleetmaster but not satin-fin- ished. Speedometer and clock rims, Chevrolet name and trade- mark, radio speaker grille, and control panel also are identical. No instrument cluster or glove compartment door decora- tive panels. |
| Instruments | AC electric fuel gauge, electric battery charge and discharge indicator, pressure heat indicator, and pressure oil pressure gauge grouped in one assembly in instrument panel directly ahead of driver. AC, large dial, "Safety-Guide" speedometer (driven by flex- ible shaft), with odometer and headlamp beam indicator, in line with steering column. | | |
| Clock | Stem wind, 30-hour, illuminated type of various makes. | | None. Plate covers opening. |
| Control knobs | Throttle, choke, and hood opening control knobs, ivory plastic with copper-toned inserts. Windshield wiper control knob, ivory plastic. Cowl ventilator control knob, brown plastic. | | Cowl ventilator control knob, brown plastic. All others on instrument panel are ivory plastic. |
| Cigarette lighter | Electric. Chrome plated. Various makes. On control panel below clock. | | None. Bright metal disc covers opening in control panel. |
| Radio provision | Speaker grille in center of instrument panel. Control cover plate on control panel. | | |
| Glove compart- ment | At right of instrument panel. Has automatic light and key lock. | | At right of instrument panel. Has key lock, but no light. |
| Ash receiver | In instrument panel crown. Has sliding cover. | | None. Plate covers opening. |
| Cowl ventilator | Screened 3" x 15" (approx.) opening. Cover opened by positive leverage. Handle directly below center of instrument panel. | | |

FRONT SEAT AND RELATED EQUIPMENT

| ITEM | FLEETLINE | | FLEETMASTER | | | | STYLEMASTER | | | |
|--------------------|--|--|----------------------------------|---|---|--|---|--|----------------------------|---------|
| | Aero-sedan | Sport-master | Sport Sedan | Town Sedan, Coupes | Cabriolet | Station Wagon | Sport Sedan | Town Sedan, Coupes, Coupe Pickup | Sedan Delivery | Chassis |
| Seat and back type | Full-width; split back. | Full-width; full back. | | Full-width; split back. | | Full-width; full back. | | Full width; split back. | Two separate bucket seats. | |
| Upholstery | See Upholstery Materials. | | | | | | | | | |
| Seat trim | Cushion | Plain, with French seam at ends. | | | 10 vertical pleats; plain ends. | 2 vertical stitched beads. Lateral seam at ends. | Plain, with French seam at ends. | | | Plain |
| | Back | Plain, with French seam around outside edge. | 13 pleats in center. Plain ends. | 5 pleats in center of each. Plain ends. | 4 pleats in center of each. Seamed edges. | 1 horizontal over 2 vertical stitch-ed beads. | Plain, with 3 1/8 x 1/4 central risers. | Plain, with French seam on outside edges of each half. | Plain | |
| Scuff pads | See Upholstery Materials. | | | | | | | | | |
| Arm rests | 2, of door-pull type. See Upholstery Materials also. | | | | | | | | | |
| Adjustment | 4-1/2" in 8 positions by chrome plated lever at left side of seat riser. Seat rises and tilts as it moves forward. | | | | | | | | 4" | # |
| Floor mat | Brown rubber (with carpet inserts on all except Business Coupe). | | | | Brown rubber | | Black rubber | | | |

- Two arm rest frames and trim retainers only, shipped loose.

REAR SEAT AND RELATED EQUIPMENT

| ITEM | FLEETLINE | | FLEETMASTER | | | | | STYLEMASTER | | | | | |
|-----------------------|---|------------------------------------|---------------------------------|--|------------------------------------|---|------------------------------------|--|--|------------------------------------|---------------|-----------|-------------|
| | Aero-sedan | Sport-master | Sport Sedan | Town Sedan | 5-Pass. Coupe | Bus. Cpe. | Cabriolet | Station Wagon | Sport Sedan | Town Sedan | 5-Pass. Coupe | Bus. Cpe. | Coupe Pick. |
| Seat and back type | Full-width. | | Full-width. | | | | Full-width. | Rear, full; center, 2 pass. | Full-width. | | | | |
| Upholstery | See Upholstery Materials. | | | | | | | | | | | | |
| Seat trim | Cushion | Plain, with French seam in center. | Plain, with French seamed ends. | Plain, with French seam in center and at ends. | Plain, with French seam in center. | | Plain. French seamed center & top. | 2 vertical stitched beads. Lateral seam at ends. | Plain, with French seam in center and at ends. | Plain, with French seam in center. | | | |
| | Back | Plain. | Plain. French seamed edge. | 14 vertical pleats in center; plain ends. | | | Plain. | Plain head rest. 2 vertical beads on back rest. | Plain, with three 1/8 x 1/4 risers in center. | Plain. | | | |
| Scuff pads | See Up. Matl. Bright bead at top. | | | | | See Upholstery Matl. | | | | | | | |
| Arm rests | 2. See Upholstery Materials. | | | | | | | | | | | | |
| Robe cords (flexible) | 2 | 1 | 2 | | | | | 1 | | | | | |
| Ash receiver | In each armrest | 1, in back of front seat. | In each arm rest. | | | | | | | | | | |
| Assist straps | 2, fixed. | 2, retractable, with coat hooks. | | 2, fixed, with coat hooks. | | | | | | | | | |
| Coat hooks | 2 | | | | | 2 | | | | | | | |
| Foot rest | ** - Recessed in front seat back. | | | | | | | | | | | | |
| Carpet | *** - High quality carpet. | | | | | | | | | | | | |
| Parcel shelf | Full-width. Below and ahead of rear window. | | | | | Full-width. Below and ahead of rear window. | | | | | | | |

UPHOLSTERY MATERIALS

| ITEM | FLEETLINE Sportmaster and Aerosedan | FLEETMASTER | | | STYLEMASTER | |
|--|--|--|--|---|--|---|
| | | Sedans and Coupes | Cabriolet | Station Wagon | Sedans and Coupes | Sedan Delivery |
| Seat and back cushion (front and rear) upholstery | Tan, color-striped "Fleet-weave", flat-woven fabric. No options. | Light gray, striped, pile fabric. Bedford Cord (RPO 355), if available. | Red, tan, or blue genuine leather (black or tan top). See RPO 360. | Tan leatherette. Tan genuine leather, RPO 352. | Light tannish-gray, striped pattern, pile fabric. No options. | Seats, side door panels and pillars, head lining and sun visor upholstered in blue-black Spanish grain leatherette. Masonite load space side walls and steel inside rear corner and door panels finished in tan enamel. |
| Front seat back, side wall, and door uphol. | Tan mixture flat-woven fabric. | Plain gray pile fabric. | Leatherette matching color of seat leather. | Tan leatherette on backs of all seats. | Plain gray pile fabric. | |
| Head lining | Plain tan cloth to match seat upholstery. | Plain gray cloth to match seat upholstery. | See "Cabriolet Convertible Top". | Tan leatherette above windshield. | Plain gray cloth to match seat upholstery. | |
| Sun visor upholstery | Head lining cloth with brown Spanish grain leatherette grip. | Head lining cloth with dark gray Spanish grain leatherette grip. | Leatherette matching color of seat leather. | Tan leatherette. | Head lining cloth with brown Spanish grain leatherette grip. | |
| Seat riser and door scuff pads | Brown Spanish grain leatherette. | Dark gray Spanish grain leatherette. | Included in seat and door upholstery. | | Brown Spanish grain leatherette on doors. | |
| Arm rest upholstery. (See seat specs. for other details) | Front | Brown Spanish grain genuine leather top. Bright metal bead. Door upholstery below. | Dark gray Spanish grain genuine leather top. Bright metal bead. Door upholstery below. | Seat-colored Spanish grain genuine leather top. Bright metal bead. Door upholstery below. | Tan Spanish grain genuine leather top. Bright metal bead. Tan leatherette below. | |
| | Rear | Side wall upholstery. | Side wall upholstery. Dark gray Spanish gr. leatherette tops on Sedans. | | Side wall upholstery on 5-Passenger Coupe and Sedans. | |

FRONT DOORS AND RELATED EQUIPMENT

| ITEM | FLEETLINE Sportmaster and Aerosedan | FLEETMASTER | | | STYLEMASTER Sedans, Coupes, and Sedan Delivery |
|------------|---|---|-------------------|--------------------------------|--|
| | | Sedans and Coupes | Cabriolet | Station Wagon | |
| Structure | All steel inner and outer panels. | | | Hardwood frame, plywood panel. | All steel inner and outer panels. |
| Hinges | Two, concealed, at front. | | | | |
| Latch | Easy acting latch bolt engages adjustable striker plate. Safety catch in plate. | | | | |
| Venti-pane | Glass | L-O-F Hi-Test Safety (laminated) Plate. Framed in polished stainless steel molding. | | | |
| | Divider bar | Fixed. Outside, pol.st.steel; inside: Blistered Walnut grain. | Butt Walnut grain | Fixed. Chrome plated. | Fixed. Outside, pol.st.steel; inside: Blistered Walnut grain. Butt Walnut grain. |
| | Operation | Swivelled outward by crank handle. | | | |
| | Lock | Spring-loaded sliding bolt lock. | | | Spring-loaded sliding bolt lock. |
| Window | Glass | L-O-F Hi-Test Safety (laminated) Plate. | | L-O-F Hi-Test Safety Sheet. | L-O-F Hi-Test Safety (laminated) Plate. |
| | Frame | Door structure | | Metal | Door structure |
| | Operation | Lowered in door channels by crank handle. | | | |
| | Lock | Operating crank handle. | | | |
| Reveals | Polished stainless steel | | | | |

Continued

FRONT DOORS AND RELATED EQUIPMENT—Continued

| ITEM | FLEETLINE Sportmaster and Aerosedan | FLEETMASTER | | | STYLEMASTER | |
|------------------------------------|---|--|---|--|---|------------------------------------|
| | | Sedans and Coupes | Cab- riolet | Station Wagon | Sedans, Coupes, Coupe Pickup | Sedan Delivery |
| Window garnish moldings | Blistered Walnut grain surface. Bright metal horizontal bead and bright metal medallion with ivory plastic insert slightly below glass. Two thicker bright metal beads in line at bottom. | Two-tone surface: Butt Walnut grain separated from lower panel of Alcona Gray by bright metal horizontal bead slightly below glass. Bright metal medallion with ivory plastic insert below bead. | Chrome plated metal frame. Butt Walnut grain window sill. | None. Window framed by natural wood finished frame-work of door. | Butt Walnut grain surface with Alcona Gray painted horizontal stripe just below window glass. | |
| Side walls | See | | | | | |
| Scuff pads | Upholstery Materials. | | | | | |
| Side wall trim dec- orations | 6 vertical sewed beads at door center. Horizontal bright metal beads at top and center of scuff pad. | 5 horizontal sewed seams just below garnish molding. Horizontal bright metal bead at top of scuff pad. | Horizontal seams and panel of vertical seams. | | 3 hor. sewed beads spaced above bright metal bead on scuff pad top. | Sewed seam around door panel edge. |
| Hardware | Ternstedt, chrome plated, die cast handles. Exterior handles align with belt molding. Interior handles have ivory plastic knobs and escutcheons. Escutcheons are edged with a bright metal ring. Stylemaster knobs are plain; others have copper-toned inserts. | | | | | |
| Key locks | For both left and right front doors. Separate, covered locks below exterior handles. Same key as for ignition lock. | | | | | |
| Lock operation | Lock inside by pressing button on window sill. Slam door shut while holding outside door handle down. Open from inside by turning remote control door handle. | | | | | |
| Entrance steps | Fully concealed and protected by flared out lower portion of door. Horizontally ribbed, black rubber "safety tread" surface. Foot scraper at front in body sill scuff plate. | | | | | |
| Drip protection | Full length drip molding. Drip shield above ventipane. | | Overhang of top. | Full length drip molding. Drip shield above ventipane. | | |

REAR DOORS AND RELATED EQUIPMENT

| ITEM | FLEETLINE Sportmaster | FLEETMASTER | | STYLEMASTER |
|---------------------|---|---|--------------------------------|---|
| | | Sport Sedan | Station Wagon | Sport Sedan |
| Structure | All steel inner and outer panels. | | Hardwood frame, plywood panel. | All steel inner and outer panels. |
| Hinges | Two, concealed, at front. | | Two, exposed, at front. | Two, concealed, at front. |
| Latch | Easy acting latch bolt engages adjustable striker plate. Safety catch in plate. | | | |
| Ven- ti- pane | Glass | L-O-F Hi-Test Safety (laminated) Plate. | | |
| | Location | In polished stainless steel frame, in rear of door window frame. | | |
| | Divider bar | Fixed. Outside, polished stainless steel; inside, Blistered walnut grain. | | |
| | Operation | Swivelled outward by crank handle. | | |
| | Lock | Spring-loaded sliding bolt. | | |
| Win- dow | Glass | L-O-F Hi-Test Safety (laminated) Plate. | L-O-F Hi-Test Safety Sheet. | L-O-F Hi-Test Safety (laminated) Plate. |
| | Operation | Lowered in door channels by crank handle. | | |
| | Lock | Operating crank handle. | | |
| | Reveals | Polished stainless steel | | |

Continued

REAR DOORS AND RELATED EQUIPMENT—Continued

| ITEM | FLEETLINE | | FLEETMASTER | | STYLEMASTER |
|----------------------------|---|--|--|---------------|---|
| | Sportmaster | | Sport Sedan | Station Wagon | Sport Sedan |
| Garnish moldings | Descriptions of front door window garnish moldings on preceding sheet apply. | | | | |
| Side wall trim | See | | | | |
| Scuff pads | Upholstery Materials | | | | |
| Side wall trim decorations | 4 vertical risers formed by 5 pleats. Horizontal bright metal beads at top and center of scuff pad. | | 5 horizontal sewed seams just below garnish molding. Horizontal bright metal bead at top of scuff pad. | | 3 hor. sewed beads spaced above bright metal bead on scuff pad top. |
| Hardware | Ternstedt, chrome plated, die cast handles. Exterior handles align with belt molding. Interior handles have ivory plastic knobs and escutcheons. Escutcheons are edged with a bright metal ring. Stylemaster knobs are plain; others have copper-toned inserts. | | | | |
| Locks | Button on window sill. Press down to lock. Turn remote control door handle to open. | | | | |
| Entrance steps | Fully concealed and protected by flared out lower portion of door. Horizontally ribbed black rubber "safety tread" surface. | | | | |
| Drip protection | Full body length drip molding. | | | | |

REAR QUARTER WINDOWS

| ITEM | FLEETLINE | | FLEETMASTER | | | | | STYLEMASTER | | | |
|------------------|-------------|--|-----------------------------------|---|-----------------------------|--|--|-----------------------------|--|-----------------------------|------------|
| | Sportmaster | Aero-sedan | Town Sedan | Sport Sedan, 5-Pass.Cpe. | Bus. Coupe | Cab-riolet | Station Wagon | Sport Sedan | Town Sedan | All Coupes | Sedan Del. |
| Glass | | | Hi-Test Safety (laminated) Plate. | | Hi-Test Safety Solid Plate. | Hi-Test Safety (lam.) Plate. | Hi-Test Safety Sheet. (2 panes) | Hi-Test Safety Solid Plate. | Hi-Test Safety (lam.) Plate. | Hi-Test Safety Solid Plate. | |
| Operation | | Lowers and locks by crank. | | Slides back and locks by lever. | Stationary. | Rotates and locks by crank. | Rear pane slides forward. Button-on-sill lock. | Stationary. | Lowers and locks by crank. | Stationary. | |
| Reveals | | Polished stainless steel. | | | | | | | | | |
| Garnish moldings | | Blistered Walnut grain surface with bright metal beads below glass and at bottom. | | Two-tone surface. Butt Walnut grain separated from lower panel of Alcona Gray by bright metal horizontal bead slightly below glass. | | Chrome plated metal frame. Butt Walnut grain sill. | Naturally finished wooden framework. Bright metal rear edge of front pane. | Butt Walnut grain. | Butt Walnut grain with Alcona Gray painted stripe just below pane. | Butt Walnut grain. | |
| Hardware | | Ternstedt, chrome plated, die castings. Crank knobs are ivory plastic with copper-toned inserts. Ivory plastic escutcheons with bright metal ring around edge. | | | | | | | Fleetmaster, but no knob inserts. | | |

REAR WINDOW

| ITEM | FLEETLINE Sportmaster and Aerosedan | | FLEETMASTER | | | STYLEMASTER |
|-----------------|--|--------------------|------------------------------|--------------------------|--|-------------|
| | Sedans, Coupes | | Cabriolet | Station Wagon | Sedans, Coupes, Sedan Delivery | |
| Panes | 1, curved to match conformation of body. | | 1, flat, in curtain. | 2, flat, in lift gate. | 1, curved to match conformation of body. | |
| Glass | Hi-Test Safety Solid Plate. | | Hi-Test Safety (lam.) Plate. | Hi-Test Safety Sheet. | Hi-Test Safety Solid Plate. | |
| Garnish molding | Blistered Walnut grain. | Butt Walnut grain. | Tan Duco. | Naturally finished wood. | Butt Walnut grain. | |
| Ext. trim | Polished stainless steel. | | | | | |

LUGGAGE COMPARTMENTS

| ITEM | FLEETLINE | | FLEETMASTER | | | STYLEMASTER | | | | |
|---------------------------------------|---|---|---|---|---|---|---|--|--|------------------|
| | Aero-sedan | Sport-master | Sedans | Cabriolet, 5Pass.Cpe. | Business Coupe | Station Wagon | Sedans, Coupes | Coupe Pickup | Sedan Delivery | Chassis |
| Type and location | Built-in compartment ("trunk") in rear of body. | | | Trunk, and platform behind seat. | On platform and tail gate. Seats removable. | Same as Fleetmaster. | Pickup box plus platform behind seat. | Panel body load space. | | |
| Floor type and covering | Flat floor covered by brown rubber mat. | | Flat floor and 3/4-width shelf. Brown rubber on both. | Flat floors and full rear shelf painted. Brown rubber in front. | Brown linoleum on platform. Tail gate wood with plated steel skid strips. | Fleetmaster, but rubber in Sedans and 5-Pass. Coupe is black. | Pickup box platform wood with steel skid strips. | Body platform wood with steel skid strips. | | Sedan under-body |
| Spare wheel and tire mounting | Vertical, in well, against left wall of trunk. | | Horizontal, below shelf in trunk. | | Vertical, in metal cover, against rear of tail gate. | | Horizontal, below platform at rear of body. | | | |
| Illumination | From window in right tail lamp. | | | | Dome light | | | Dome light | Tail lamp | |
| Tool stowage | Under front end of rear seat and/or loose in trunk. | | With spare wheel in trunk. | | In tool box under platform front. | Same as in like models in Fleetmaster line. | In spare wheel compartment. | | Shipped loose. | |
| Luggage compartment or rear end doors | Type | Deck | Trunk | | Deck | Lift and tail gates | | Tail gate* | Panel door | |
| | Hinges | 2, concealed | | 2, exposed | | Lift: 2, exposed. Tail: full length, exposed. | | Full-length, exposed. | 2, exposed, at left. | |
| | Support | 1 telescoping strut at left side. | | 2 telescoping struts, at sides. | | Lift: 2 adj. brackets. Tail: 2 covered chains. | | 2 covered drop chains. | 1 door check at top. | |
| | Lock | In door handle. Operated by glove compartment key. ** | | | | | | | | |
| Hardware | Chrome plated trunk door opening handle, license lamp and base and decorative "wings" in group at door center. Name plate in chrome script above. | | | | Chrome plated "T" handle on lift gate center. | Same as Fleetmaster, except no decorative "wings". | 2 spare wheel compartment "T" handles, chrome plated. | Chrome plated handle. Central license and tail light unit. | Sedan parts less handle shipped loose. | |

* - Spare wheel compartment has removable metal cover with 2 lockable "T" handles.

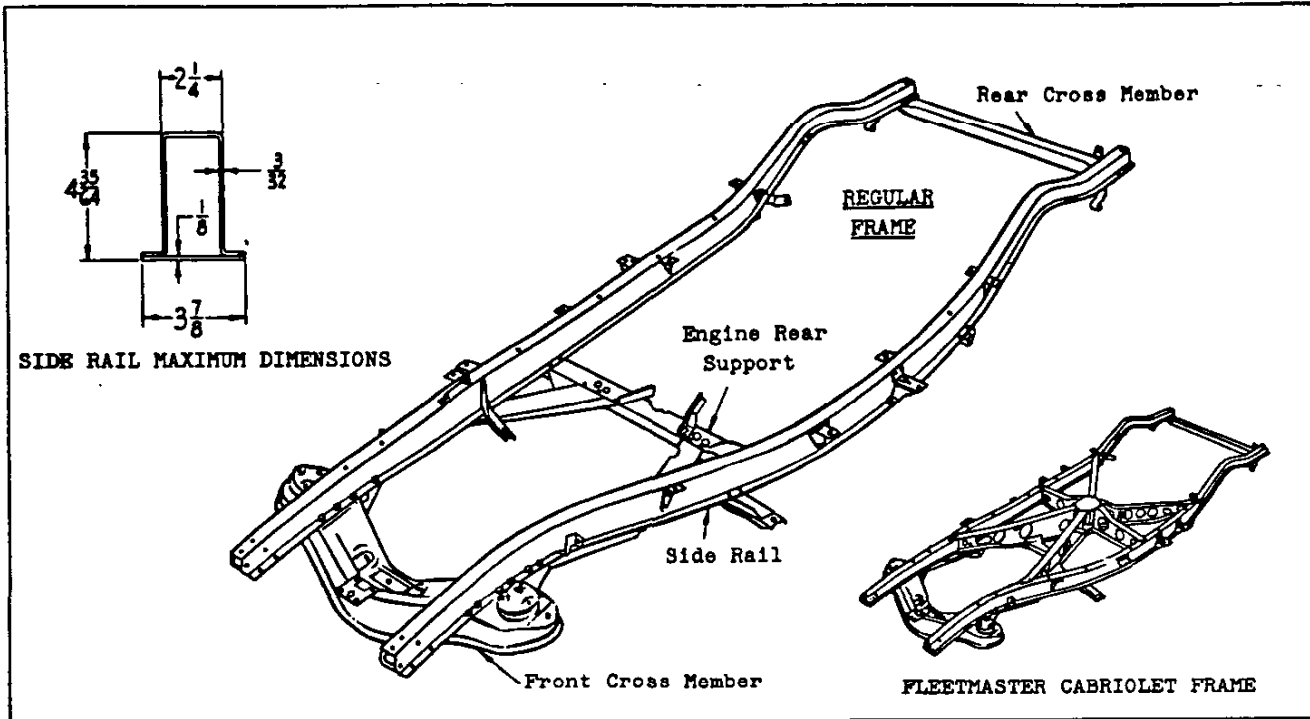
** - Station Wagon tail gate lock operated by side door key, and spare tire lock by glove compartment key.

CABRIOLET CONVERTIBLE TOP

Material --- Double-texture, fabric top material
 Color ----- Black or tan (See RPO 360.)
 Back curtain ----- Opens downward. Continuous zipper fastener on top and two vertical edges.
 Rear window size (visual area) -- 5-5/8 x 23-5/8
 Framework -- Rear bow wood, remainder all-steel.
 Stowage ----- Top folds into recessed shelf around periphery of back of body.
 Boot ----- Tailored from same material as top. Snap fastens to body upper sill.
 Front latches ----- Three; at sides and center of top of windshield frame.

Operation ----- Automatic - powered by electric-motor-driven, hydraulic pump.
 Pump location - On left side of dash under hood.
 Hydraulic cylinders --- One at each side of body projecting upward to top framework between body inner and outer rear quarter panels from rubber-cushioned pivot mounting on body floor pan.
 Operation control -- Push-pull knob, mounted below instrument panel to left of steering column. (Knob must be held in "Up" or "Down" position during operation because it always returns to neutral or "Stop" position when hand is removed.)

CHASSIS FRAME



Make ----- Own
 Type ----- Box-girder. Reinforced by steel floor of car body.
 Construction ----- Two side rails connected by three structural cross members, all of flanged box section. In Fleetmaster Cabriolet, a VK structure of I-beam members takes place of

Engine Rear Support Cross Member.
 Max. overall length ----- $169\frac{9}{16}$
 Max. width (over side rail flanges) ----- 49
 Material ----- Hot rolled steel, pickled
 Material yield point ----- 39,000 lb. per sq.in.
 Material elongation ----- 35% to 40% in 2 in.
 Side rail section modulus -- 1.716 in.cu. per side

FRONT SUSPENSION

Make ----- Own
 Type ----- Independent S.L.A. (short and long arm wishbone type.) Assembled and aligned as a complete suspension unit.
 Rated capacity ----- 2000 lb.

Outside diameter ----- $4\frac{3}{8}$
 Pitch diameter ----- 3.795 (theoretical)
 Free height ----- $14\frac{1}{4}$
 Working height ----- $9\frac{5}{8}$ at 1375 lb.
 Height under curb weight (Sport } ----- $10\frac{1}{8}$
 Sedan, Fleetmaster) }
 Deflection rate ----- 300 lb. per in.

WHEEL TRAVEL

Vertical ----- 4" both up and down from normal setting of loaded height position.
 Wheel to spring ratio --- 1.64:1. Wheel travels in vertical path 4" from normal setting position at rate of 183 pounds per inch. Spring travels $2\frac{7}{16}$ " at rate of 300 pounds per inch.
 Wheel travel for steering ----- 38° from neutral to stop.

SPRING BUMPERS

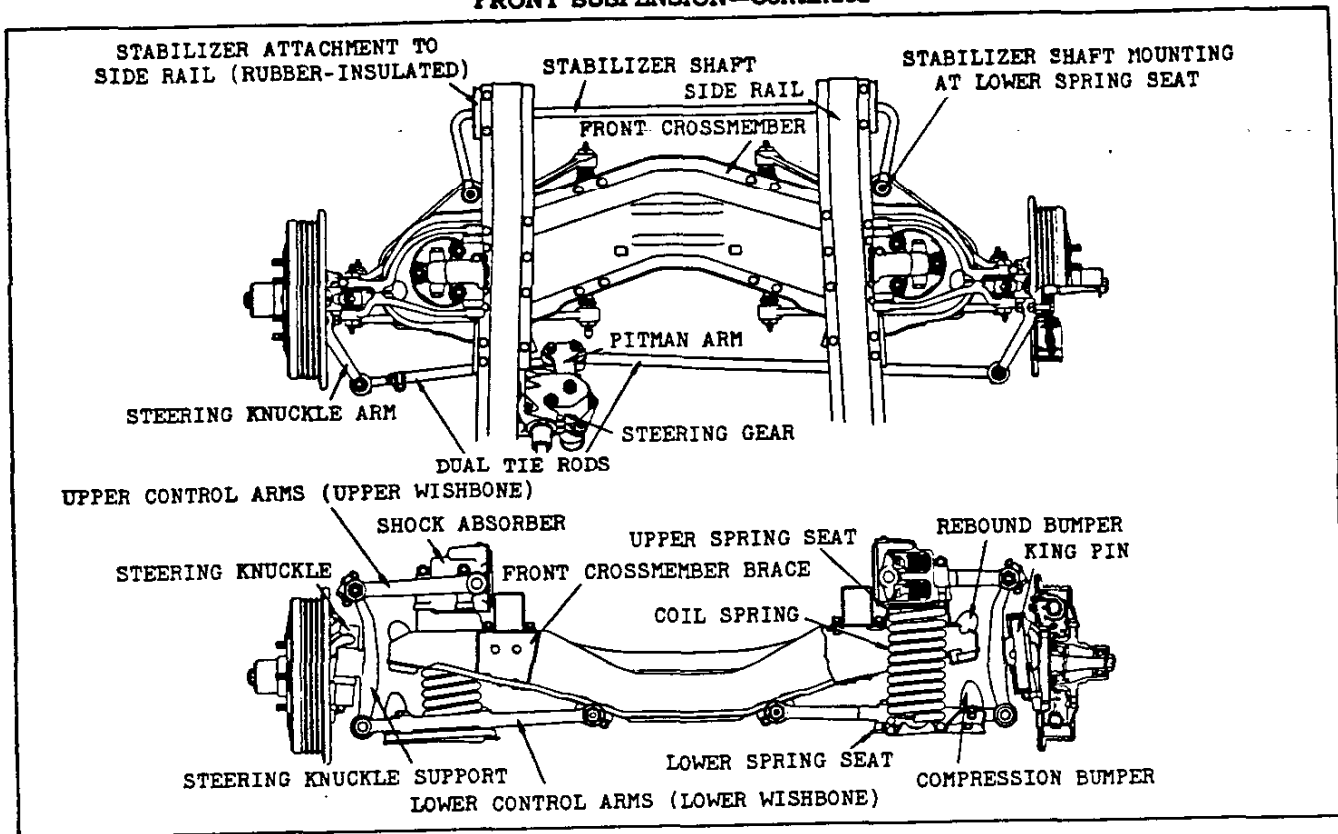
Type ----- Rubber (2, compression and rebound)

SHOCK ABSORBERS

Make ----- Own
 Type ----- Right hand helical coil
 Material ----- Silico-manganese steel
 Gauge ----- .578-.582 diameter
 Number of coils ----- $11\frac{5}{16}$ (9.6 coils active)

Make ----- Delco
 Model number ----- 2200-A
 Type ----- Hydraulic, parallel cylinder, double-acting (end-to-end discharge).
 Valve code number-compression valve ----- Ad-.5
 -----rebound valve ----- 1.5D
 Piston diameter ----- $1\frac{1}{2}$
 Fluid recommended ----- G.M. Shock insulating fluid.
 Fluid capacity } ----- 175-185 cc.

FRONT SUSPENSION—Continued



RIDE STABILIZER

Type ----- Torsion bar in rubber bushings
 Mounting ----- Bolted to both lower spring seats

STEERING KNUCKLE

Type ----- Reversed Elliott
 Spindle diameter-at inner bearing -- 1.2801-1.2806
 -at outer bearing ---- .7490-.7495

KING PIN

Diameter ----- .8660-.8665
 Bushings-inside diameter ----- .867-.868
 -length ----- 1-5/16
 Thrust bearings-make and type ---- Various, Ball
 -inside diameter ----- .868-.893
 -outside diameter ----- 1-5/8
 -width ----- .5575-.5675

FRONT WHEEL BEARINGS INNER OUTER

Make ----- New Departure
 Part number ----- N.D. 909052 -- N.D. 909001
 Type ----- Cup and cone
 Inside dia. ----- 1.2810-1.2815 -- .7498-.7503
 Outside dia. ---- 2.9625-2.9635 -- 2.0795-2.0805
 Width ----- 1.135-1.155 -- .698-.718
 Lubrication ----- Pack with high melting point front wheel bearing grease.

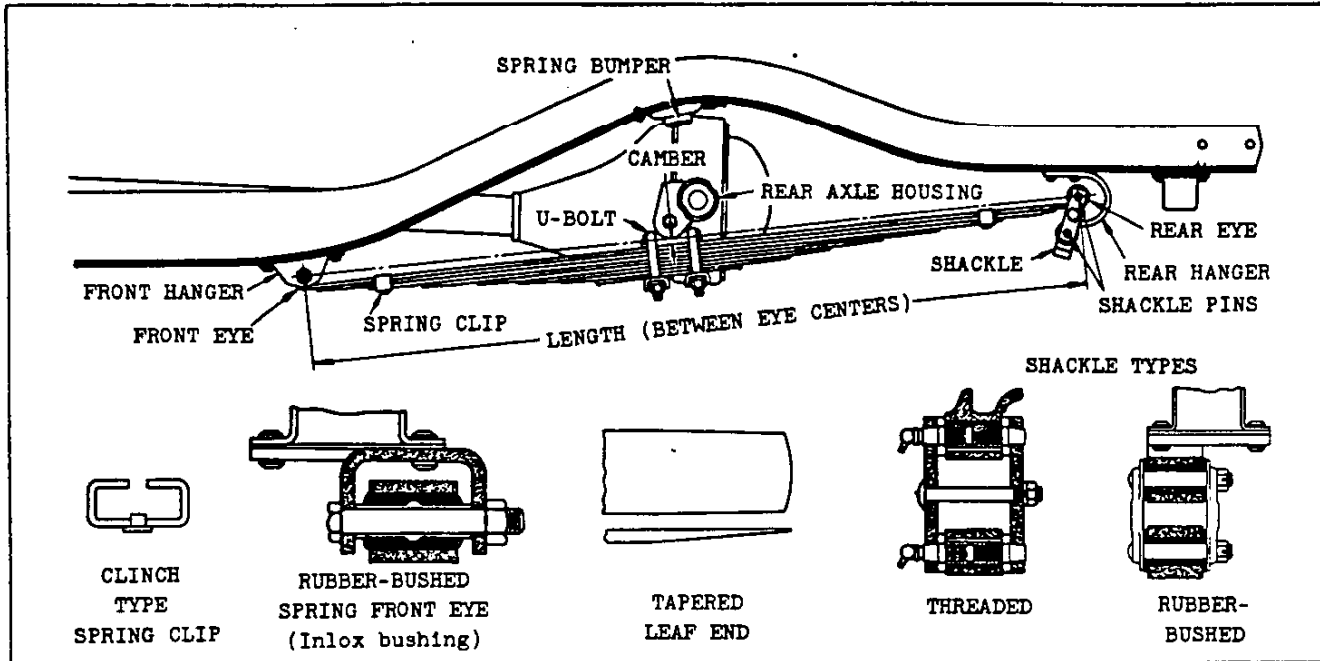
FRONT WHEEL ALIGNMENT (Service)

Cross-wise inclination of king pin -- 4-3/4° + 30'
 Camber ----- -1/4° + 30'
 Caster ----- 0° + 30'
 Toe-in ----- 0 to 1/16
 Toe-out on turns-outside wheel ----- 20°
 -inside wheel ----- 24° + 20'

| CONTROL ARM BEARINGS | | UPPER CONTROL ARMS | | | LOWER CONTROL ARMS | | | | |
|----------------------|----------------|--------------------------------|------------------|--------------|--------------------|--------------|---------------|--------------|-----------|
| | | Pivot Bolt | Front Bushing | Rear Bushing | Pivot Bolt | Bolt Bushing | Shaft Bushing | Shaft Ends | |
| Type | | Threaded | | | | | | | |
| Threads | Type | Ends | 11 pitch, single | | 11 pitch, single | | | | |
| | | Center | 14 pitch, double | | | | | | |
| | Major diameter | Front | .644-.662 | .694 minimum | | .738-.756 | .774 minimum | .889 minimum | .853-.859 |
| | | Center | .976-.980 | | | .724-.742 | | | |
| Rear | .644-.662 | .714-.732 | | | | | | | |
| Mounting | | Clamp lock | | | Self locking | | | Bolted | |
| Seal | | Synthetic rubber, self sealing | | | | | | | |

2-1-46

REAR SUSPENSION



SPRINGS

Make ----- Own
 Type ----- Semi-elliptic
 Material ----- Chrome carbon steel
 Length ----- 49
 Width ----- 1-3/4
 Average camber (under load) ----- 5/8 negative
 Spring clips ----- 2, clinch type

Spring covers ----- Metal (various makes)
 Spring bumper material ----- Rubber
 Torsional stabilizer ----- None

SPRING MOUNTING

Type ----- Parallel
 Center to center distance ----- 48
 Front eye bolt diameter ----- .500-.504
 Front eye bolt bushing-type ----- Rubber bushed
 -I.D. ----- .505 min.
 -length ----- 2.400-2.410
 Shackle-mounting --- In tension from rear hanger
 -type ----- Threaded (11/16"-11 thd.),
 or rubber-bushed.
 Threaded shackle pin O.D. ----- .6595-.6645
 Threaded shackle pin bushing-O.D. ----- .877-.878
 -length ----- 1-3/4
 Rubber-bushed shackle pin diameter ----- 1/2
 Rubber-bushed shackle bushing:
 -O.D. ----- .850-.860
 -length (assembled) ----- 2.25-2.27
 Spring to axle attachment ----- 2 U-bolts(1/2
 dia.) to rubber-bushed seat on rear axle housing

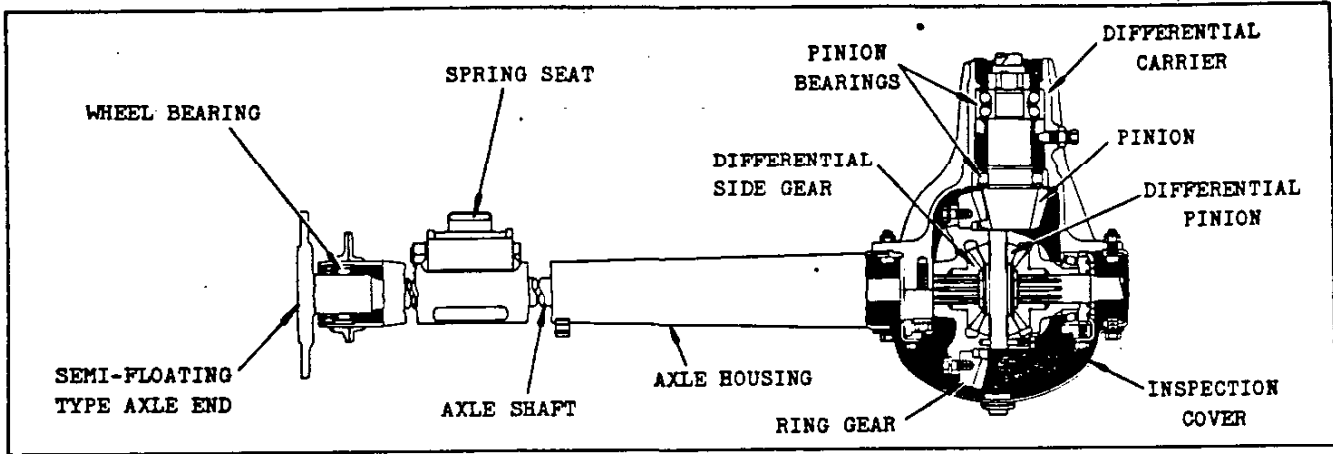
SHOCK ABSORBERS

Make ----- Delco
 Model number ----- 2100-B
 Type ----- Hydraulic, parallel cylinder,
 double-acting (end-to-end discharge).
 Valve code number-compression valve ----- D-.5
 -rebound valve ----- .7J
 Piston diameter ----- 1-1/2
 Fluid recommended -- G.M. Shock Insulating Fluid
 Fluid capacity ----- 154-163 cc.

| SPRING LEAVES | Chassis, all Sedans, and Coupe Pickup. (RPO 254B on Coupes and Cabriolet). | | Coupes and Cabriolet | Sedan Delivery. (RPO 254A on Chassis, all Sedans and Business Coupe). | Station Wagon |
|--------------------------------|--|-------|----------------------|---|---------------|
| | Number of leaves | 8 | 7 | 8 | |
| Thickness of leaves | #1 | .237 | .214 | .262 | .262 |
| | #2 | | | | |
| | #3 | | | | |
| | #4 | | | | |
| | #5 | | | | |
| | #6 | | | | |
| | #7 | | | | |
| | #8 | | | | |
| Total thickness | 1.804 | 1.590 | 1.896 | 1.996 | |
| Av. load at camber height(lb.) | 920 | 825 | 1050 | 1365 | |
| Av. deflection rate(lb./in.) | 115 | 108 | 145 | 165 | |
| Leaf end type | Tapered | | Flat | | |

2-1-46

DRIVE SYSTEM



Type ----- Torque tube drive. Through fully enclosed universal joint and propeller shaft.
 Drive medium ----- Through rear chassis springs

Lubricant Capacity ----- 3-1/2 pints
 Pinion fr.brg. retain. nut torque -- 200-240ft.lb.

REAR AXLE

Make and type ----- Own. Semi-floating
 Rating ----- 3000 lb.

| Bearings | Front Pinion | Rear Pinion |
|----------|---------------|---------------|
| Number | N.D. 905306 | Hyatt 125630 |
| Type | 2-Row Ball | Roller |
| I.D. | 1.807-1.811 | 1.8287-1.8291 |
| O.D. | 2.8341-2.8346 | 3.1246-3.1250 |
| Width | 1.1825-1.1875 | .743-.748 |

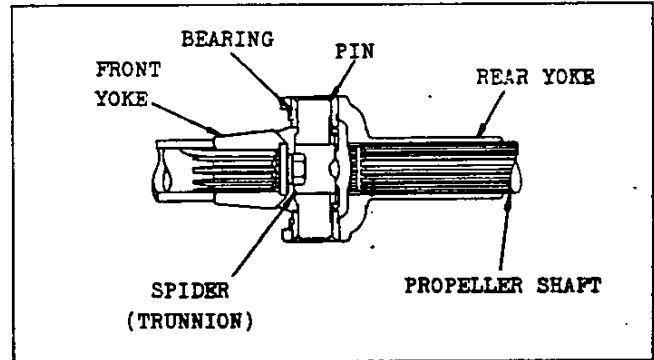
| Final drive gears | Reg. | RPO* |
|---|---------------|---------|
| Type | Spiral hypoid | |
| Ratio | 4.11:1 | 3.73:1 |
| Number of teeth | 37 & 9 | 41 & 11 |
| Gear backlash | .005 to .008 | |
| Total gear reduction (rear axle ratio x transmission ratio). | 1st. | 12.08 |
| | 2nd. | 6.90 |
| | 3rd. | 4.11 |
| | Rev. | 12.08 |
| Axle shaft torque (ft.lb.): (total gear red. x engine max.torque x efficiency factor-- .89 in 3rd, others .85). | 1st. | 1726 |
| | 2nd. | 985 |
| | 3rd. | 614 |
| | Rev. | 1726 |

| Bearings | Differential | Wheel |
|----------|---------------|---------------|
| Number | Hyatt 127861 | Hyatt 111119 |
| Type | Barrel Roller | Roller |
| I.D. | 1.6924-1.6929 | 1.5800-1.5807 |
| O.D. | 2.9523-2.9528 | 2.4056-2.4062 |
| Width | .669 | .742-.750 |

* RPO 201A, 3.73:1 axle with regular transmission.
 RPO 201B, 3.73:1 axle with heavy duty trans.

Differential type ----- 2 pinion
 Diff. carrier type ----- 1 piece malleable iron
 Housing type ----- Pressed steel banjo, 2 pieces welded together along seam.
 Inspection cover ----- Pressed steel
 Axle shaft-material and type ----- Forged steel.
 Wheel drive flange integral with shaft.
 -min. diameter ----- 63/64
 Pinion-mounting ----- Overhung
 -adjustment -- By shims and tapered collar
 -thrust ----- Against front bearing
 Are pinion bearings preloaded? ----- Yes, in manufacture.
 Are pinion bearings carried in sleeve? ----- No
 Are differential bearings preloaded? ----- Yes
 Diff. bearing cap bolt torque ----- 65-80 ft.lb.
 Lubricant recommended ----- SAE 90 Passenger Car Hypoid Lubricant or "All Purpose" Lubricant.

UNIVERSAL JOINT



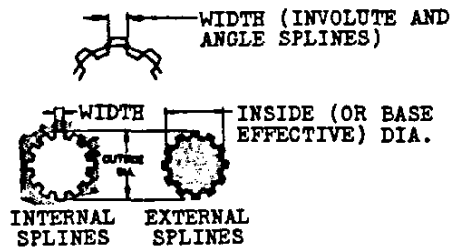
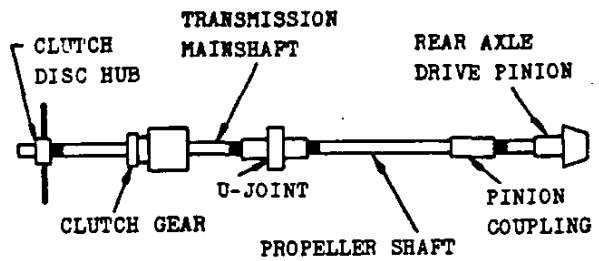
Make and type -- Own. Yoke and spider (trunnion)
 Trunnion-material -- Drop forged steel, hardened.
 -pin dia. ----- .6835-.6845
 Bushing-I.D. ----- .687-.688
 -effective length ----- 17/32
 Lubrication ----- Self, from transmission

PROPELLER SHAFT

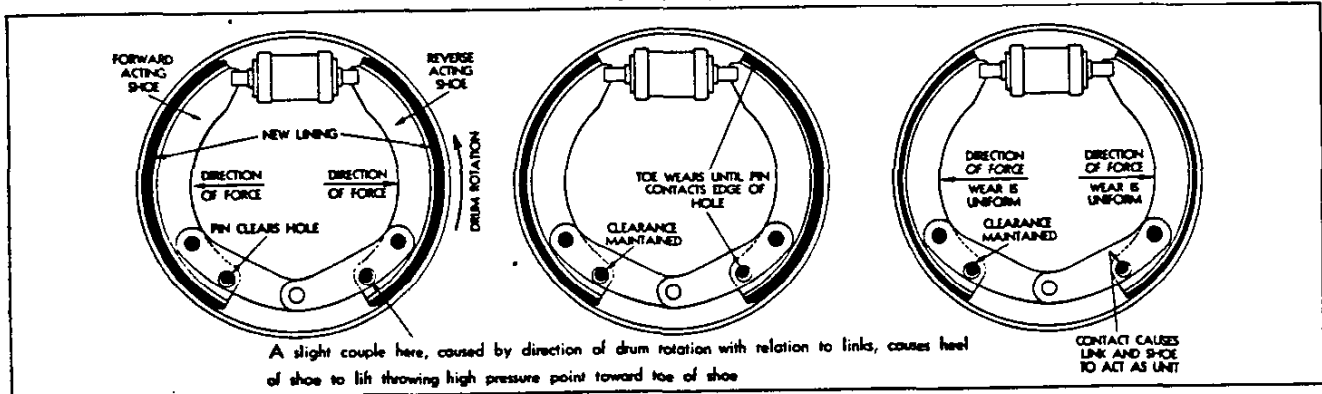
Make and type ----- Own. Tubular
 Outside diameter ----- 1.995-2.005
 Wall thickness, ----- .063-.067

DRIVE SYSTEM SPLINES

| Type of splines | | Internal | External |
|--|--------|--------------------|---------------|
| Clutch disc hub and transmission clutch gear shaft | Width | .174-.176 | .1705-.1725 |
| | I.D. | .920-.925 | .918 max. |
| | O.D. | 1.134-1.144 | 1.110-1.121 |
| | Number | 10 (straight side) | |
| Transmission mainshaft and universal joint front yoke | Width | .1473-.1483 | .1458-.1473 |
| | I.D. | .890-.891 | .853-.863 |
| | O.D. | 1.003-1.017 | .973-.980 |
| | Number | 10 (involute) | |
| Propeller shaft front end and universal joint rear yoke | Width | .0951-.0961 | .0921-.0941 |
| | I.D. | .993-.997 | .9620-.9700 |
| | O.D. | 1.0835-1.0935 | 1.0642-1.0657 |
| | Number | 17 (involute) | |
| Prop. shaft rear end coupling and rear axle drive pinion shaft | Width | .0951-.0961 | .0931-.0951 |
| | I.D. | .985-.989 | .965-.973 |
| | O.D. | 1.0835-1.0935 | 1.068-1.074 |
| | Number | 17 (involute) | |
| Differential side gear and axle shaft | Width | .180-.183 | .178-.180 |
| | I.D. | 1.039-1.044 | 1.004-1.014 |
| | O.D. | 1.186-1.193 | 1.1525-1.1575 |
| | Number | 10 (straight side) | |



BRAKES



SERVICE BRAKES

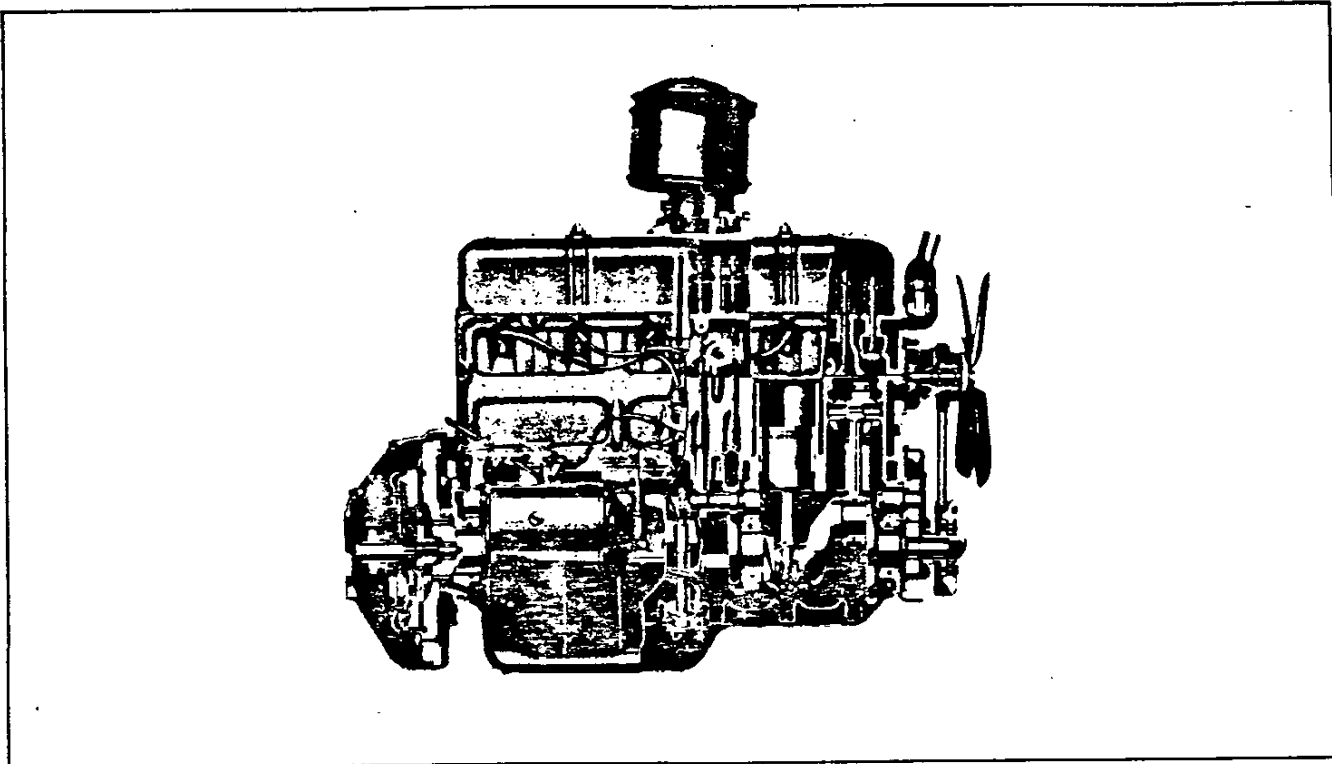
Make ----- Own
 Type ----- Hydraulic, 4-wheel, internal expanding, double-articulated shoe.
 Brake drum-type ----- Composite (cast alloy iron rim and cooling ribs; pressed steel web.)
 -diameter ----- 11 (both front and rear)
 Braking pressure-front ----- 52-1/2%
 -rear ----- 47-1/2%
 Brake lining-material ----- Full-moulded asbestos composition.
 -width ----- 1-3/4
 -thickness ----- .187-.194
 -length per wheel (inside arc) ----- 22-5/8
 -clearance ----- Adjust to slight drag, back off 4 notches.
 -total effective lining area ----- 161 sq.in.
 -car weight/effective lining area ----- 22.45 lb./sq.in.
 * 3615 lbs. (shipping weight of Stylemaster Sport Sedan plus 525 lbs.) see page 12.

Main cylinder-diameter ----- 1
 -piston travel ----- 1-11/32 max.
 Wheel cylinder-diameter front ----- 1-1/4
 -diameter rear ----- 1-3/16
 -piston travel ----- .113
 Braking ratio-pedal ----- 4.63 to 1 approx.
 -hydraulic ----- 11.9 to 1 approx.
 -average overall ----- 55.1 to 1 approx.
 Foot pedal-travel ----- 6-9/32
 -mounting ----- With main cyl. to frame
 -pad material ----- Rubber
 Brake system fluid capacity --- 3/4 pint approx.
 Brake fluid recommended ----- Delco Super #10
 Vacuum booster ----- None

HAND BRAKES

Make ----- Own
 Type ----- Mechanical. Pull rods and cables operate the two rear service brakes.
 Total effective lining area ----- 80 sq.in.
 Lever mounting ----- To cowl

POWER PLANT GENERAL INFORMATION



"THRIFT-MASTER" ENGINE BASIC DESIGN DATA

Type ----- 6 cylinder, valve-in-head
 Bore x stroke (nominal) ----- 3-1/2 x 3-3/4
 Piston displacement ----- 216.5 cu.in.
 Compression ratio ----- 6.5:1 (no option)
 Taxable (SAE) horsepower ----- 29.4

ADVERTISED MAXIMUM ENGINE PERFORMANCE

Gross brake horsepower ----- 90 at 3300 RPM
 Net brake horsepower ----- 83 at 3200 RPM
 Gross torque ----- 174 ft.lb. at 1200 to 2000 RPM
 Net torque ----- 168 ft.lb. at 1100 RPM

ADVERTISED CAR PERFORMANCE

These data are intended primarily for use in trade journal specification tables which require such information for the standard, lowest-priced, 5-passenger, 4-door sedan in each line. The car weights shown are the shipping weights of the vehicles with regular equipment plus 500 pounds for three passengers, gasoline, oil, and water, and 25 pounds for the spare tire.

Displacement factor formula: **SPORT SEDANS**
 $3825 \times \text{axle ratio} \times \text{displ.} \div \text{car weight} \times \text{eff. tire dia.}$

| | <u>Style-</u> <u>master</u> | <u>Fleet-</u> <u>master</u> |
|------------------------------------|--------------------------------|--------------------------------|
| Car weight/adv. horsepower ----- | 40.2 -- | 40.6 |
| Car weight/cu.in. displacement --- | 16.7 -- | 16.9 |
| Displ. factor (cu.in./ton-foot) -- | 34.8 -- | 34.5 |
| Displacement/mile (cu.ft.) ----- | 384.1 -- | 384.1 |
| Displacement/mile/lb. (cu.ft.) -- | .1063 -- | .1052 |
| Adv. h.p./cu.in. displacement ---- | .42 -- | .42 |

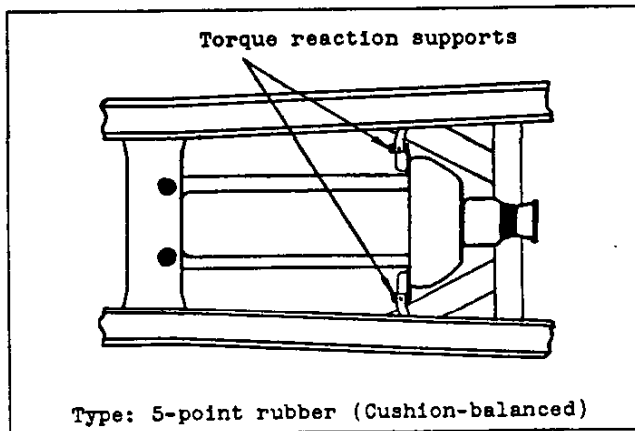
ENGINE AND PISTON TRAVEL AND SPEEDS

With regular (4.11:1) or RPO 201 (3.73:1) rear axles: ----- 4.11:1 -- 3.73:1
 Crankshaft revolutions/mile ---- 3066 -- 2783
 Crankshaft RPM/mile/hour - 1st - 150.0 -- 136.0
 - 2nd -- 86.0 -- 78.0
 - 3rd -- 51.1 -- 46.4
 Piston travel (ft./mile) ----- 1917 -- 1739
 Piston speed/mile/hour (ft./min. in 3rd speed) ----- 31.9 -- 29.0

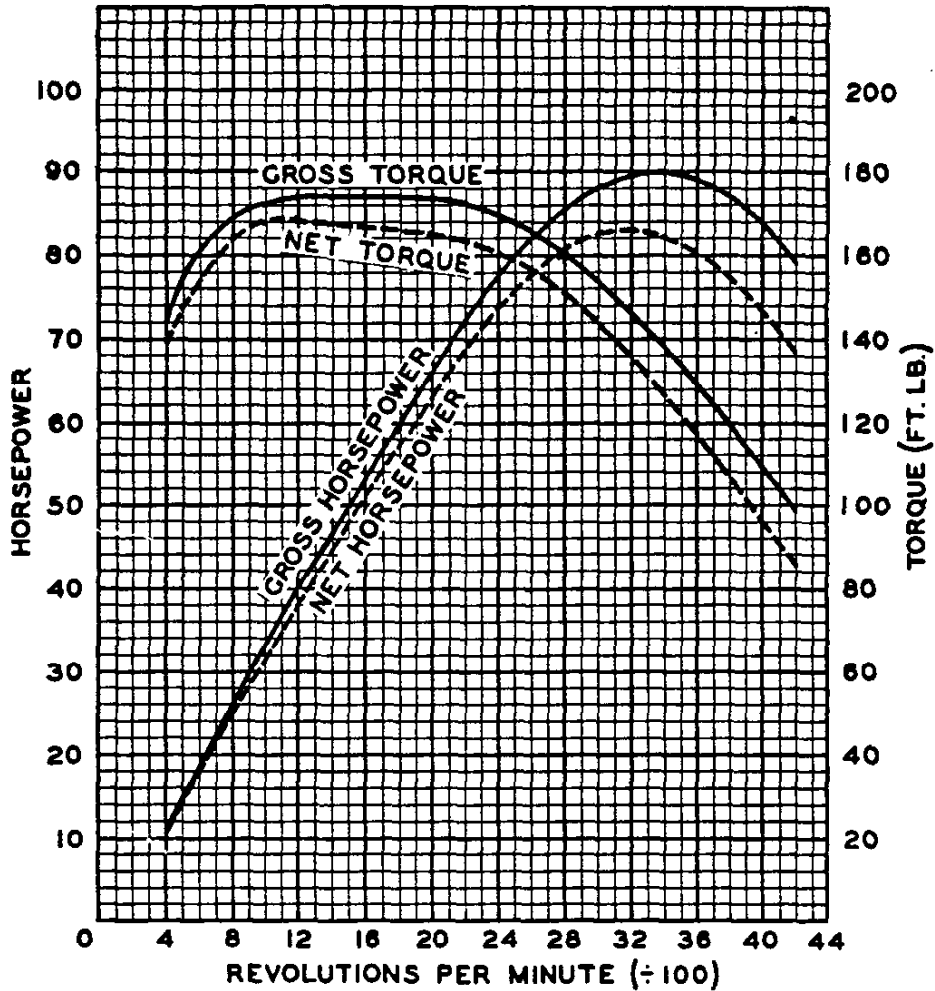
WEIGHTS (dry)

Engine and clutch ----- 558 lb.
 Engine, clutch, and transmission ----- 608 lb.

POWER PLANT MOUNTING



ENGINE PERFORMANCE



The engine performance curves shown on this sheet are true copies from Chevrolet engine test report 9616-44. They represent the full throttle performance of a "Thrift-Master" Chevrolet passenger car engine (216.5 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.

January 7, 1946

The data on this sheet are true as represented.
 CHEVROLET - CENTRAL OFFICE - ENGINEERING DEPT.
 DIVISION OF GENERAL MOTORS CORPORATION

R. B. Wuerfel
 Transport Engineer

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.

State of Michigan
 County of Wayne

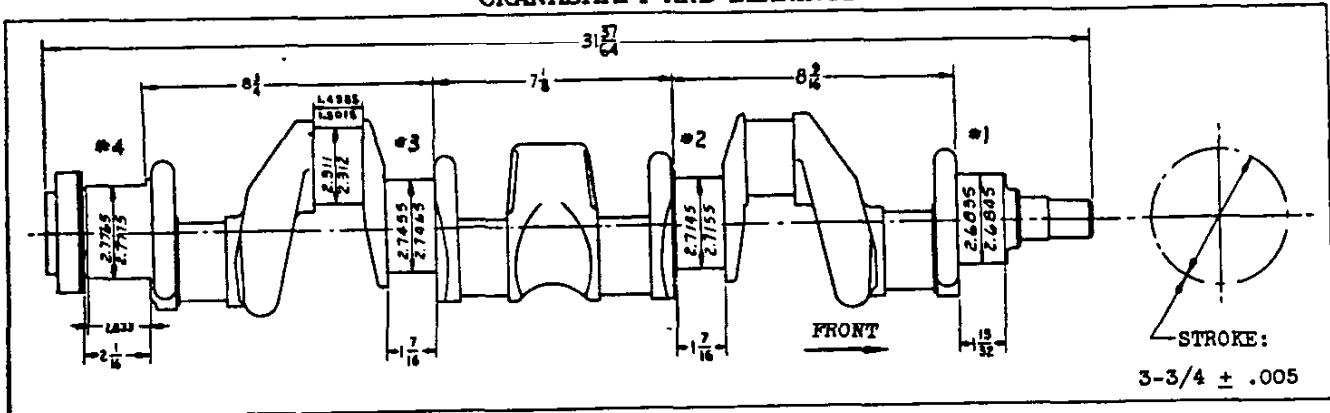
On this 7th day of January 1946 personally appeared before me, R. B. Wuerfel, known to me to be such, who makes oath that the data on this sheet are true as represented.

Notary Public, Wayne County
 My commission expires August 8th, 1947

CYLINDER CASE AND HEAD

Material ----- Cast alloy iron Bore diameter ----- 3.4995-3.5015
 Offset ----- None Cyl.head bolt torque (service) ----- 75-80 ft.lb.

CRANKSHAFT AND BEARINGS



CRANKSHAFT

Material ----- Drop-forged steel
 Weight ----- 68 lb.
 End play ----- .004-.007
 Counterweights ----- 7

MAIN BEARINGS

Inside diameter x length:

#1 ----- 2.6865-2.6875 x 1-3/16
 #2 ----- 2.7175-2.7185 x 1-3/16
 #3 ----- 2.7485-2.7495 x 1-7/16
 #4 ----- 2.7795-2.7805 x 1-5/8

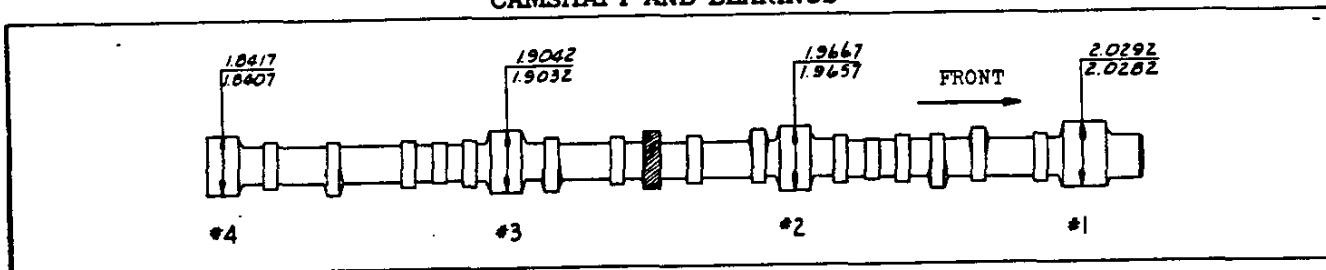
Type ----- Slip-in
 Removable ----- From below

Material ----- Steel-backed babbitt
 Necessary to align ream ----- Yes
 Clearance ----- Selective fit
 End thrust taken on ----- #3
 Total bearing area:
 Projected ----- 13.41 sq.in.
 Circumferential ----- 42.13 sq.in.
 Shim type ----- Solid
 Bearing bolt torque ----- 100-110 ft.lb. with oiled threads.

HARMONIC BALANCER (Vibration Dampener)

Type ----- Oscillating (Rubber-floated)
 Pulley diameter ----- 6-1/32

CAMSHAFT AND BEARINGS



CAMSHAFT

Material ----- Drop-forged steel
 Minimum diameter ----- 1-3/32
 End play ----- Free to .003 maximum
 Ramp-inlet ----- .0111
 -exhaust ----- .014

DRIVE

Make and type ----- Various, Gear
 Drive gear (on crankshaft) material ----- Steel
 Driven gear material ----- Bakelite and fabric composition.

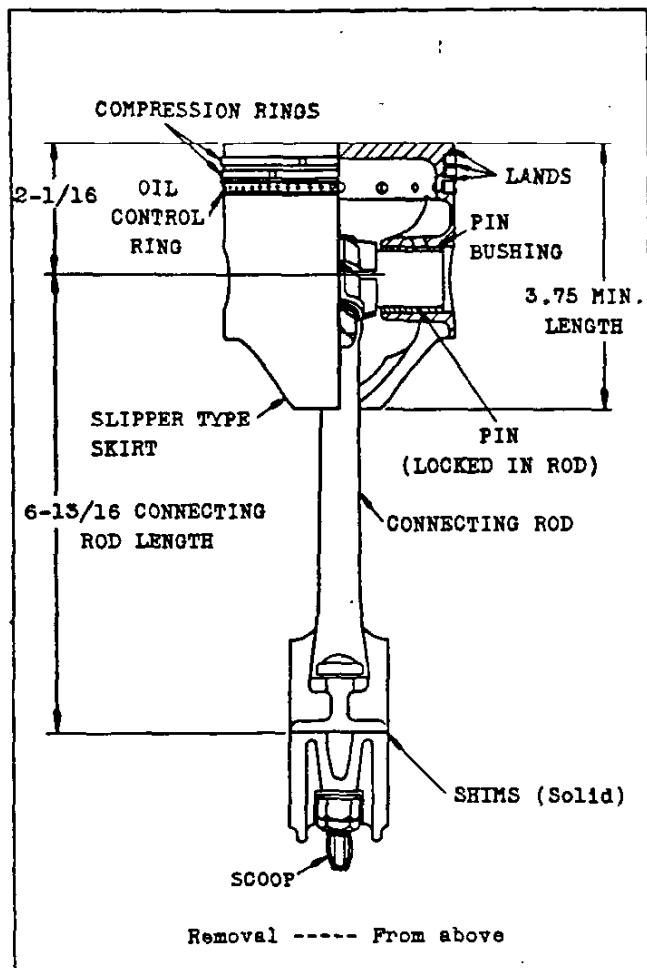
BEARINGS

Inside diameter x length:

#1 ----- 2.0307-2.0317 x 1-1/8
 #2 ----- 1.9682-1.9692 x 15/16
 #3 ----- 1.9057-1.9067 x 15/16
 #4 ----- 1.8432-1.8442 x 15/16

Material ----- Steel-backed babbitt
 Clearance on diameter ----- .0015-.0035
 Thrust taken on ----- #1
 Total bearing area:
 Projected ----- 7.64 sq.in.
 Circumferential ----- 24.0 sq.in.

PISTON-PIN-RINGS



PISTON

Make ----- Own
 Features ----- Flat head, oval, slipper skirt
 Material ----- Cast alloy iron, surface treated (granodized)
 Diameter clearance at lands ----- .0155-.0235
 Compression ring groove depth ----- .1490-.1645
 Diameter clearance at skirt { Pass on ----- .0015
 Hold on ----- .003

CONNECTING RODS

Type ----- Rod clamps piston pin
 Material ----- Drop-forged steel
 Assembly center of gravity - 5.322 from wrist pin
 Rod width at piston pin ----- 1.125-1.127
 Rod width at crank pin ----- 1.490-1.494
 Crank pin bearings:
 Type ----- Spun (centrifugally cast)
 Diameter ----- 2.3135-2.3140
 Effective width (less chamf.) -- 1.3037-1.3077
 Material ----- High lead babbitt
 Finish ----- Precision bored
 Clearance on diameter ----- Selective fit

Oil ring groove:
 Depth ----- .170-.183
 Holes-number and size ----- 14, 5/32 drill
 Side wall minimum thickness ----- .0347-.0447
 Head thickness ----- .180-.190
 Piston pin bushings:
 Type ----- Pressed in piston
 Material ----- Cast bronze
 Inside diameter ----- Slip fit on pin
 Length (each) ----- 15/16
 Finish ----- Diamond bored
 Weight (each) ----- .06 lb.
 Weight of piston alone ----- 1.56 lb.
 Weight of piston and bushing assy. --- 1.68 lb.
 Weight of piston, bushings, rings, pin and connecting rod upper end x 6 ----- 15.48 lb.

PISTON PIN

Material ----- Chromium steel (file hard case)
 Diameter ----- .8645-.8650
 Length ----- 3.135-3.165
 Taper limit in full length ----- .0002
 Weight ----- .32 lb.
 Clearance in bushing ----- Slip fit

COMPRESSION RINGS

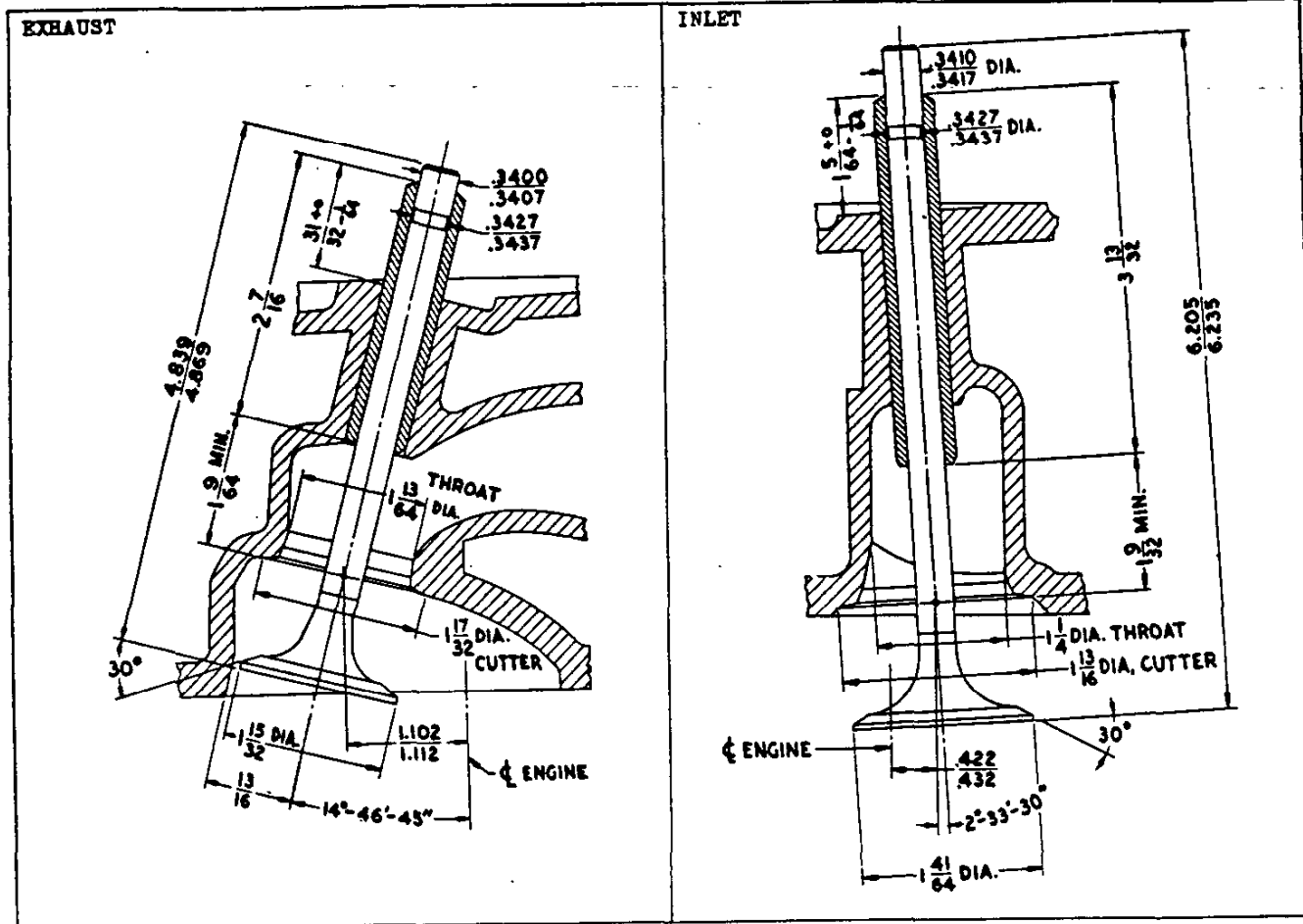
Material ----- Cast alloy iron
 Type ----- Plain
 Number per piston ----- 2
 Width ----- .1235-.1240
 Wall thickness ----- .155 max.
 Gap clearance ----- .005-.015
 Ring clearance in groove ----- .0015-.003
 Weight (each) ----- .05 lb.

OIL CONTROL RING

Material ----- Cast alloy iron
 Type ----- Drilled
 Width ----- .1806-.1865
 Wall thickness ----- .155 max.
 Gap clearance ----- .005-.015
 Ring clearance in groove ----- .0020-.0035
 Weight ----- .06 lb.

Total crank pin bearing effective area:
 Projected (effective width x dia.) ----- 18.13 sq.in.
 Circumferential (projected x π) --- 56.95 sq.in.
 Assembly weight ----- 1.92 lb.
 Upper end weight ----- .42 lb.
 Lower end weight ----- 1.50 lb.
 Total rotating weight (weight of lower end x 6 connecting rods) ----- 9.00 lb.
 End play ----- .004-.012
 Recommended bolt nut torque ----- 40-45 ft.lb. with oiled threads.

VALVE TRAIN



VALVES

Make ----- Own
 Material ----- Extruded steel
 Stem end style ----- Grooved for keys
 Lift-exhaust valve ----- .3118
 -inlet valve ----- .2941
 Operating tappet clearance for valve timing ----- See valve lash
 Lash (Regular engine):
 -exhaust valve ----- .013 hot
 -inlet valve ----- .006 hot
 Lash (RPO 224A engine with economy equipment):
 -exhaust valve ----- .016 hot
 -inlet valve ----- .010 hot
 Distance between valve centers --- 1-21/32 (measured along centerline of engine).

TAPPETS

Type ----- Cylindrical
 Material ----- Cast alloy iron
 Outside diameter ----- .989-.990
 Lift-exhaust valve ----- .2111
 -inlet valve ----- .1991
 Clearance ----- Selective fit
 Hydraulic valve lifters ----- None

VALVE STEM GUIDES

Type ----- Removable
 Clearance with stem-exhaust ----- .002-.0037
 -inlet ----- .001-.0027

VALVE ROCKER ARMS

Material ----- Malleable iron casting
 Ratio (cam lift to valve lift) ----- 1.477:1
 Torque of valve rocker shaft support bolts and nuts ----- 25-30 ft. lb.
 Bearing-type ----- Rocker arm I.D.
 -inside diameter ----- .7925-.7935
 -length ----- 15/16

VALVE SPRINGS-LENGTH AND PRESSURE

Valve closed ----- 1.821 at 54-62 lb.
 Valve open ----- 1.505 at 124-140 lb.
 Out of engine (free) length ----- 2-1/8

VALVE SEATS

Material ----- Cast alloy iron (cylinder head)
 Inserts ----- None
 Cooling ----- Jets of water under pressure
 Width in head-exhaust valve ----- .062-.093
 -inlet valve ----- .035-.060

ENGINE LUBRICATION SYSTEM

METHOD OF LUBRICATION

Type ----- Chevrolet "specialized" (pressure, pressure stream and splash.)
Main bearings -- Direct pressure through drilled passages in the cylinder case to the bearings.
Camshaft bearings ----- Direct pressure through passages from main bearings.
Timing gears ----- Gravity feed
Connecting rod bearings ----- Pressure streams directed against connecting rod scoops.
Cylinder bores and piston pins ----- Splash
Valve mechanism ----- Pressure.
Oil is piped from oil distributor (high pressure side) past bleed hole (to regulate pressure) and through metering hole; then through water jacket (to condition temperature) and finally to rocker shaft and arms. Valve stems, springs, and push rod ends are gravity fed from rocker arms.
Water pump bearing -----
-- Permanently lubricated, sealed, ball bearing.

OIL PUMP

Type ----- Gear
Drive ----- From camshaft
Normal oil pressure ----- 14 lb. at 2000 engine RPM (equivalent to 39 MPH with regular

equipment; 35.5 MPH with RPO 201 3.73:1 rear axle).
Oil pressure relief valve opens at ----- 60PSI
Oil cleaner type --- 20 mesh x .015 terne steel wire screen, with by-pass on intake side of oil pump.

MISCELLANEOUS

Crankcase oil filler -- Combined with ventilator
Crankcase oil level gauge type ----- Rod
Oil pressure gauge ----- See "Instrument Panel"
Crankcase ventilator type ----- Suction
Oil filter -make ----- AC (RPO 237A)
-capacity (dry) ----- 2-1/2 qt.
-flow ----- Approx. 20 gal./hr.
Oil cooler ----- None available

OIL PAN

Capacity ----- 5-1/2 qt., dry; 5 qt., for refill
Drain ----- Plugged hole in rear of pan
Mounting bolt torque ----- 15-20 ft.lb.

LUBRICANT RECOMMENDED

| <u>Temperature</u> | <u>Grade</u> |
|-----------------------------|------------------------|
| Not lower than 32°F. ----- | 20W or SAE 20 |
| As low as plus 10°F. ----- | 20W |
| As low as minus 10°F. ----- | 10W |
| Below minus 10°F. ----- | 10W, plus 10% kerosene |

FUEL AND EXHAUST SYSTEMS

FUEL TANK

Type ----- 2 stamped pans, seam-welded together
Capacity ----- 16 gal.
Fuel gauge make and type ----- AC, electric
Mounting ----- Clamped to underside of underbody below trunk on Sedans, Five-Passenger Coupe, Cabriolet, and Station Wagon; behind seat between underbody and platform on Business Coupe, Coupe Pickup, and Sedan Delivery.
Filler location ----- At rear of right rear fender on Sedans, Five-Passenger Coupe, Cabriolet, and Station Wagon; on right side of body ahead of rear fender on Business Coupe, Coupe Pickup, and Sedan Delivery.

FUEL PUMP

Make and model ----- AC, model AF
Type ----- Mechanical (diaphragm) "high reserve"
Drive ----- From camshaft
Arm throw ----- 1/4" at camshaft
Air dome ----- Yes (inlet and outlet)
Filter ----- 120 mesh screen on dome

CARBURETOR

Make ----- Carter
Model -with regular equipment ----- W1-574S
-with economy equip., RPO 224 ----- W1-492S
Type --- Single adjustment, balanced, down-draft
Size (main venturi throat I.D.) ----- 1-1/4

Number of turns to open idle adjustment:
-regular carburetor ----- 1-1/4 to 2-1/4
-economy carburetor, RPO 224 ----- 1 to 2
Float level ----- When closed, top of float measures 1/2" below finished surface of cover.
Choke ----- Manual (no automatic choke)
Supercharger ----- None
Manifold heat control -- Automatic (thermostatic)

AIR CLEANER

Regular --- AC, with silencer and flame arrester.
RPO 216A ----- AC, regular truck type.
RPO 216C -- AC, oil bath type (1 lb. dirt capacity) combined with silencer and flame arrester.
RPO 216F ----- AC, oil bath type (2 lb. dirt capacity) combined with flame arrester.
RPO 216G ----- AC, oil bath type (1 lb. dirt capacity) used with governor.

OCTANE SELECTOR

Type ----- Manual, 20° range

MUFFLER

Make ----- Various
Type ----- Diffusion and resonance, reverse flow
Size (outside) --- 5-1/16 x 7-5/16 (oval) x 18 long
Mounting ----- Single point rubber
Exhaust pipe O.D. ----- 1-7/8
Tail pipe I.D. ----- 1-11/16

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ENGINE COOLING SYSTEM

METHOD AND CAPACITY

Cylinder cooling ----- Full stroke length water jacket with water around each cylinder.
 Valve seat cooling ----- "Nozzle jet" system directs water under pressure against seats.
 Cooling system water capacity ----- 15 qt.
 Sealed cooling system ----- No

RADIATOR CORE

Make and type ----- Harrison, ribbed cellular
 Material ----- All copper
 Size ----- .20 x .560 x 2
 Front area ----- 374 sq.in.
 Radiator shutter ----- None
 Radiator pressure cap ----- None
 Radiator overflow tank ----- RPO 271A

RADIATOR HOSE

| Item | Inlet | Outlet |
|----------|--------------------------------|-------------------------|
| Quantity | 1 | 2, joined by steel tube |
| Location | Cyl. head to core | Core to water pump |
| Size | 1-1/4 I.D. x 6-3/4 | 1-1/2 I.D. x 4-7/16 |
| Material | Spec. molded reinforced rubber | Reinforced rubber |

WATER THERMOSTAT

Make ----- Harrison
 Type ----- Bellows operating poppet valve
 Location ----- In cylinder head outlet
 Pressure relief valve ----- None
 By-pass for recirculation ----- None

ENGINE ELECTRICAL SYSTEM

GENERATOR

Make ----- Delco-Remy
 Model ----- 1102667
 Type ----- 2 brush, shunt wound
 Rated voltage ----- 6 to 8
 Ventilation ----- By fan in generator pulley
 Driven by ----- Fan belt
 Pulley size ----- 28°V x 3-11/32 dia.
 Speed ratio (gen. to engine) ----- 1.83:1
 Generator } - with regular equipment ----- 93.5
 RPM/MPH } - with RPO 201, 3.73:1 axle ----- 84.9
 Maximum output (controlled charging rate) - hot:
 -amperes ----- 35
 -voltage ----- See voltage regulator
 -generator RPM ----- 2400 and up
 -car } - with regular equipment -- 25.7 and up
 MPH } - with RPO 201, 3.73:1 axle-28.3 and up
 Bearings: Commutator end Drive end
 -number ----- 812823 ----- N.D. 903203
 -type ----- Bronze bushing ----- Ball
 -I.D. ----- .562-.563 ----- .6690-.6693
 -O.D. ----- .783-.784 --- 1.5743-1.5748
 -width ----- 51/64 ----- .4674-.4724

| Valve action at 29" Hg. barometric pressure | Regular | RPO 224 | With anti-freeze | |
|---|---------|----------------|------------------|------------|
| | | Economy Equip. | Alco-hol | Per-manent |
| Start to open | 140-147 | 156-165 | 148-155 | 166-174 |
| Fully open | 170 | 185 | 175 | 194 |

ENGINE FAN

Make and type ----- Own, 4 staggered blades
 Diameter-with regular equipment ----- 15-3/4
 -with RPO 201, 3.73:1 axle ----- 16-1/4
 Pulley size ----- 28°V x 4-21/64 dia.
 Fan to engine speed ratio ----- 1.405:1
 Fan belt-material ---- 1-piece vulcanized fabric
 -size -- 11/16 max. width, 42-7/8 outside

WATER PUMP

Type ----- Centrifugal
 Drive ----- By fan belt
 Location ----- On front of cylinder and case
 Capacity ----- 47 gal./minute at 4000 engine RPM (78.2 MPH, with regular equipment; 86.2 MPH, with RPO 201, 3.73:1 axle).
 Impeller type ----- Vane
 Water pump and fan bearing and shaft assembly:
 -number ----- N.D. 954252
 -type ----- Ball
 -O.D. ----- 1.1806-1.1811
 -width ----- 1-21/32
 -lubrication ----- Permanently lubricated
 Seal --- Molded rubber sealed with rubber cement
 Seal adjustment --- Automatic, by spring tension

Generator speed at cut-in ----- See cutout relay
 Car speed at cut-in ----- See cutout relay
 Brush spring tension ----- 25 oz.
 Rotation (drive end) ----- Clockwise

VOLTAGE AND CURRENT REGULATOR

Make and model ----- Delco-Remy 1118201
 Type ----- Vibrator
 Voltage regulator:
 -volts ----- 7.2 to 7.4
 -temperatures ----- Operating
 -average air gap ----- .070
 Current regulator:
 -amperes ----- 34 to 36
 -temperatures ----- Operating
 -average air gap ----- .080
 Cutout relay:
 -voltage at closing ----- 6.2 to 6.7
 -generator armature speed ----- 800 RPM
 -car MPH at } - with regular equipment -- 8.6
 closing RPM } - with RPO 201, 3.73:1 axle 9.4
 -amperes to open (reverse current) --- 0 to 4
 -average air gap ----- .020

Continued

ENGINE ELECTRICAL SYSTEM—Continued

BATTERY

Make and model ----- Delco, 15X3W
 Size ----- 9 long x 7 wide x 8-5/8 high
 Voltage ----- 6
 Capacity ----- 100 ampere hours at 20-hour rate
 Bench normal charging rate ----- 7 amp.
 Cell arrangement ----- 3, side-to-side
 Plates per cell ----- 15
 Terminal grounded ----- Negative
 Location ----- At right side under hood

Cam angle (points closed) ----- 39°
 Vacuum control part number ----- 1116043
 Condenser (service) part number ----- 1908757

STARTING

Starting device ----- Mechanical over-running clutch actuated directly by pedal.
 Starting operation ----- with ignition switch ON, depress starter pedal.
 Pinion meshes ----- From front of flywheel
 Pinion teeth ----- 9
 Flywheel teeth ----- 139, 1/2 wide, 13.9 P.D.
 Flywheel bolt recommended torque --- 50-65 ft.lb.
 Gear ratio (starter armature to flywheel) - 1:15.44
 Normal engine cranking RPM (60°F. air) ----- 125

STARTING MOTOR

Make and model ----- Delco-Remy, 1107061
 Rotation (commutator end) --- Counter-clockwise

| Bushings | Commutator end | | Drive end |
|----------|------------------------------------|---|-------------------------------|
| | Regular. Cast iron end frame | Optional. Bushing with alum- inum end frame | Rolled bronze graphite. |
| I.D. | 1/2 | .6245-.6255 | .499 - .501 |
| O.D. | | | .5615-.5625 |
| Width | 15/16 | | .779 - .784 |

Testing: Lock test No load test

-amperage draw ----- 525 ----- 65
 -volts ----- 3.4 ----- 5
 -torque ----- 12 ft.lb. -----
 -RPM ----- 5000

Brush spring tension ----- 24-28 oz.

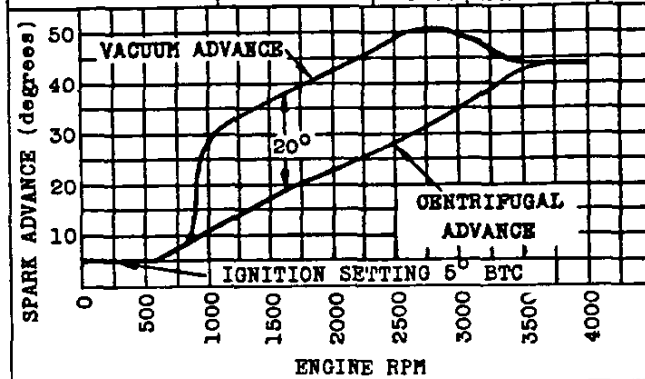
IGNITION SYSTEM

Type ----- Separate units, high tension distributor ground return system with centrifugal and vacuum spark advance, high intensity spark with automatic polarity reversing switch for breaker points, water-proof coil.
 Ignition cable make ----- Packard Electric
 Ignition lock -make ----- Rochester Products
 -type ---Key operated lock switch; armored cable from coil to switch.

DISTRIBUTOR

Make and model ----- Delco-Remy, 1110090
 Current source ----- Generator or battery
 Polarity reversing switch -- On starting motor top
 Breaker-point opening ----- .018
 -arm tension ----- 17-21 oz.

| Automatic spark advance: | Advance begins | Full advance |
|--------------------------|----------------|------------------------------------|
| Vacuum control | 7" Hg. min. | 20° at 12" Hg. min. |
| Centrifugal | 600 RPM | 32.5° to 39.5° at 3450 RPM and up. |



COIL

Make and model ----- Delco-Remy, 1115141
 Location ----- Engine right side
 Amperes drawn --- 4.5, engine stopped; 2.5, idling

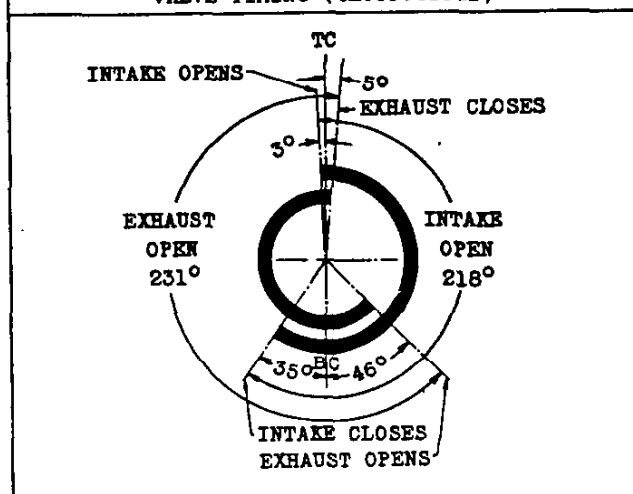
SPARK PLUGS

Make and model ----- AC, model M8
 Thread size ----- 10 mm.
 Recommended gap ----- .040
 Recommended torque ----- 12-15 ft.lb.

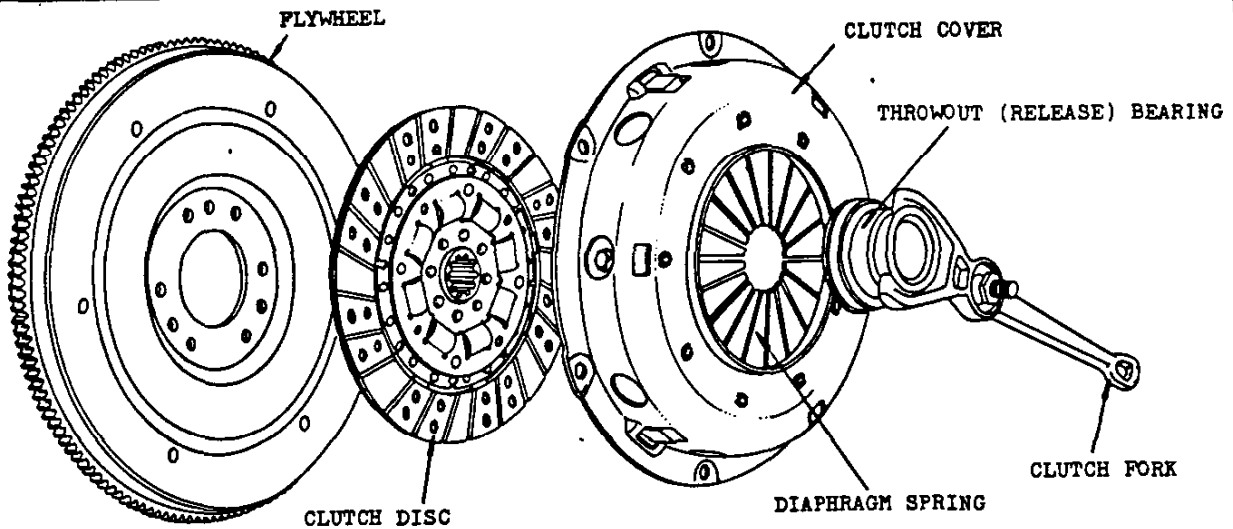
ENGINE TIMING

Timing spark advance ----- 5° BTC
 Timing marks location ----- On flywheel
 Firing order ----- 1-5-3-6-2-4

VALVE TIMING (theoretical)



CLUTCH



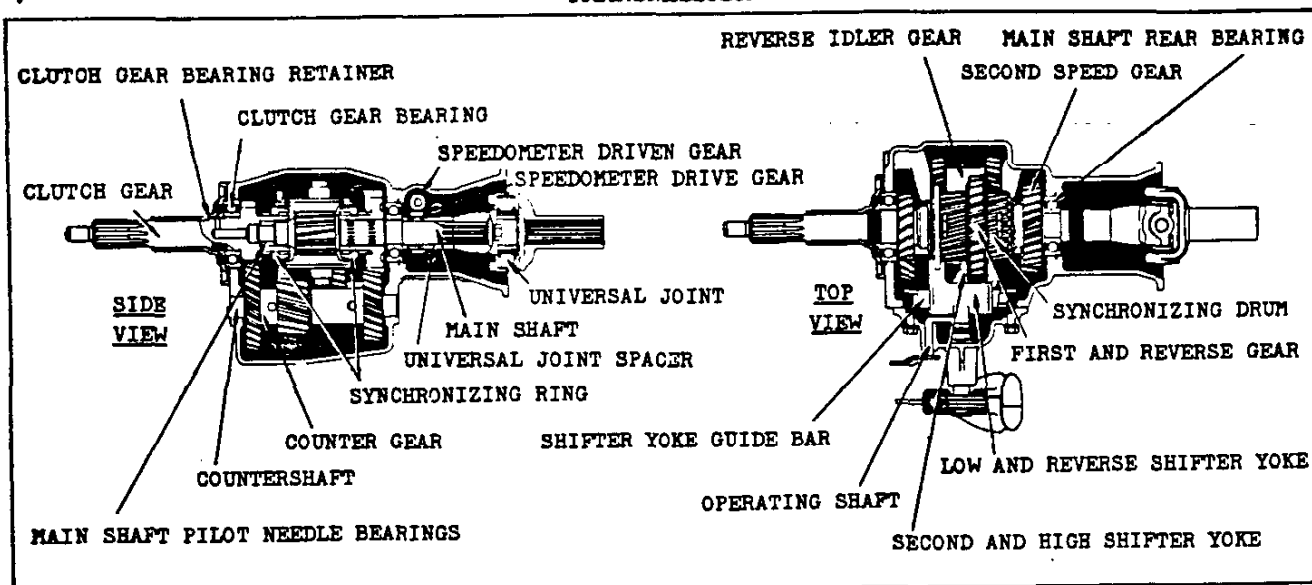
| ITEM | | REGULAR CLUTCH | HEAVY DUTY TRUCK TYPE, RPO 227A | |
|----------------------------------|-------------------------------------|--------------------------------------|-----------------------------------|---------------------|
| Type | | Single dry plate. | | |
| Rated torque capacity | | 200 foot pounds. | | |
| Semi-centrifugal? | | No | | |
| Vacuum control or fluid coupling | | None | | |
| Drive | | Direct to flywheel face. | | |
| Ventilation | | Vaness cast in pressure plate. | | |
| Diaphragm spring | Pressure in flat position | 1100 to 1225 pounds | 1175 to 1275 pounds | |
| | Material | Spring steel, heat treated. | | |
| | Pressure levers | 18, integral with spring. | | |
| Discs | Driving | Two (Flywheel and pressure plate) | | |
| | Driven | One | | |
| | Vibration insulation | 8 cushion springs at hub. | 6 cushion springs at hub. | |
| | Fr ing | Material | Molded asbestos composition. | |
| | | Outside diameter | 9-1/8 | 10-3/4 |
| | | Inside diameter | 6-1/8 | 7 |
| | | Area | 71.86 square inches | 104.6 square inches |
| Thickness | | .132-.138 | .137-.143 | |
| Bearings | Throwout (Release) | Type, make, number | Special ball bearing-N.D. 909422. | |
| | | Lubrication | Packed for life. | |
| | Pilot | Make and number | Hyatt 99004 (Chev. 142655) | |
| | | Type | Roller | |
| | | Inside diameter | .5895-.5900 | |
| | | Outside diameter | 1.0910-1.0920 | |
| | | Width | .701-.721 | |
| | | Lubrication | Packed for life. | |
| | Pilot (used optionally with 142655) | Make and number | Chev. 412562 | |
| | | Type | Copper graphite bushing. | |
| | | I.D. | .5915-.5925 | |
| | | O.D. | 1.0935-1.0945 | |
| Width | | .740-.760 | | |
| Lubrication | Self | | | |
| Controls | Clutch fork type | Drop-forged (pivot mounted on ball). | | |
| | Pedal mounting | On brake main cylinder. | | |
| Flywheel | Material | Cast alloy iron. | | |
| | Weight (with ring gear) | 30 pounds | | |
| | Ring gear type | Steel, shrunk on. | | |
| | Ring gear teeth | See STARTING MOTOR, page 38 | | |
| Clutch attachment to flywheel | | 6 bolts | 9 bolts | |

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CHEVROLET 1946 SPECIFICATIONS—PASSENGER

CLUTCH—39

TRANSMISSION



Make ----- Own
Location ----- In unit with engine
Type ----- Selective synchro-mesh
Heavy duty transmission ----- RPO 316A used with regular axle and RPO 316B with 3.73:1 axle, at extra cost. This transmission has countershaft roller bearings in place of bushings. Also for RPO 316B, speedometer gears are changed to maintain the same wheel to speedometer ratio.
Input torque capacity ----- 200 ft. lb.
Overdrive ----- None available
Power take-off ----- None
Actuation of shift ----- Vacuum Power Gearshift provides 80% of effort. 20% of effort retained to give driver "feel" of the gears.
Shifter location ----- On steering column
Selection of gears ----- By rod linkage
Meshing of gears ----- By rod and vacuum
Vacuum control make ----- Bendix
Shift pattern ----- Standard H
Number of speeds ----- 3 forward, 1 reverse
Gears type ----- All helical
Synchronous meshing gears ----- Second and third
Constant mesh gears ----- Second and third
Gear ratios-first ----- 2.94 to 1
 -second ----- 1.68 to 1
 -third ----- Direct
 -reverse ----- 2.94 to 1

| Speedometer gears: | Regular and RPO 316A | RPO 316B |
|-------------------------|----------------------|----------|
| -pitch | 18.629 | 22.00 |
| -teeth-drive and driven | 4 and 12 | 5 and 14 |

Recommended bolt torque:

Clutch gear bearing retainer bolts - 10 ft.lb.
 Cover bolts ----- 10 ft.lb.
 Universal joint retainer bolts ----- 25 ft.lb.
Lubricant capacity ----- 1-1/2 pt.

Lubricant recommended ----- SAE 90 transmission or mineral oil lubricant.

Clutch gear bearing:

-number ----- N.D. 954141
 -type ----- Ball
 -I.D. ----- 1.3775-1.3780
 -O.D. ----- 2.8341-2.8346
 -width ----- .6643-.6693

Mainshaft front bearing:

-type ----- 14 rollers
 -O.D. of roller ----- .1873-.1875
 -length of roller ----- .512-.527

Second speed gear bearing:

-type --- Gear revolves directly on mainshaft
 -I.D. of gear ----- 1.062-1.063
 -Length of bearing in gear ----- 1-3/4

Mainshaft rear bearing:

-number ----- N.D. 954168
 -type ----- Ball
 -I.D. ----- .9839-.9843
 -O.D. ----- 2.4404-2.4409
 -width ----- .6643-.6693

Reverse idler bushing (front and rear):

-material ----- Bronze
 -I.D. ----- .7515-.7525
 -O.D. ----- Push fit in ring gauge .6805 Dia.
 -length ----- 3/4

Countershaft bearing (front and rear) reg. equip.

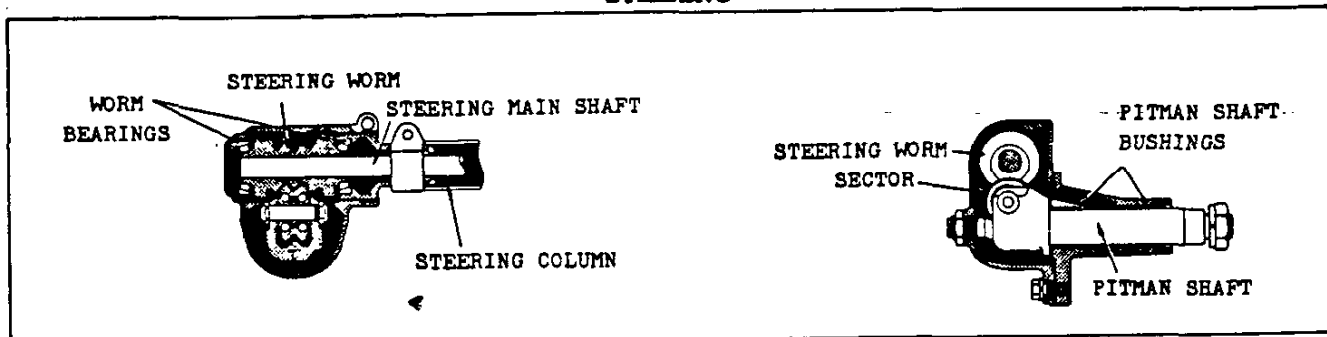
-material ----- Bronze
 -I.D. ----- .8772-.8782
 -O.D. ----- Push fit in ring gauge 1.008 Dia.
 -length ----- 1-1/4

Countershaft bearing (front and rear) RPO 316A and B - Heavy duty transmission.

-type ----- 25 rollers
 -O.D. of roller ----- .1248-.1250
 -length of roller ----- .735-.750

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STEERING



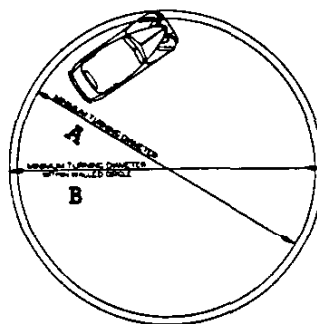
Type -- Shockproof (rubber-insulated pitman arm)

STEERING GEAR

Make ----- Saginaw
 Type ----- Semi-reversible,
 hour glass worm and ball bearing roller sector.
 Ratio ----- 17.5:1
 Worm and sector adjustment ---- Fully adjustable
 Worm thrust bearing:
 -part number ----- Saginaw 261866
 -type ----- Tapered roller
 -O.D. ----- 1.7500-1.7510
 -width ----- .373-.377
 Sector mounting type ----- Overhung
 Sector roller bearing:
 -part number ----- Saginaw 262605
 -type ----- 2 row ball
 -I.D. ----- .4370-.4375
 -width ----- 1.030-1.034
 Pitman shaft bushings:
 -material ----- Bimetal
 -I.D. ----- 1.125-1.126
 -O.D. ----- 1.252-1.254
 -width ----- 1-1/2
 Lubricant recommended ----- All Purpose Gear
 Lubricant or Chassis Lubricant.

STEERING LINKAGE AND WHEEL

Pitman arm type ----- 2-piece, rubber insulated
 Number of tie rods ----- 2
 Drag links or intermediate steering arms ---- None
 Steering main shaft diameter ----- 3/4
 Steering column diameter ----- 1-1/2
 Steering column bearing ----- Saginaw 264887,
 special ball.
 Steering wheel ----- 2-spoke, 2-tone
 with horn blowing ring (Fleetmaster, Fleetline and
 chassis 1501) or 3-spoke with horn button (Style-
 master), 17-1/4 dia., hard rubber on steel.
 Number of turns of steering wheel for full left
 to right swing of front wheels ----- 4.1



TURNING DIAMETERS

A
 Right turn - 41 ft.
 Left turn -- 39 ft.

B
 Right turn - 43 ft.
 Left turn -- 41 ft.
 Nominal figures based
 on tests made at
 General Motors Proving
 Ground.

WHEELS AND TIRES


WHEELS

Make ----- Own
 Type ----- Short spoke disc
 Attachment to hub ----- 6, 7/16"-20 bolts
 Bolt circle diameter ----- 5-1/2
 Wheel offset ----- 9/16

Wheel rim size ----- See chart

TIRES

Make ----- U.S., Goodrich, or Firestone
 (NOTE: The following tire specifications are based
 on U.S. Rubber Co. standards.)

|  | TIRE SIZE | FRONT TIRES | | REAR TIRES | | | WHEEL RIM SIZE |
|---|-------------------------|--|------------------------------|--|----------------------------|--------------------------------|-------------------|
| | | LOAD PER TIRE AT MINIMUM PRESSURE (pounds) | LOAD PER TIRE (pounds) | RECOM- MENDED PRESSURE (pounds) | LOADED RADIUS ROLLED | LOADED REVS. PER MILE | |
| | 6.00-16-4 ply, Reg. | 875 at 26 | 915 | 28 | 13.52 | 746 | 16x4.00E |
| | 6.00-16-6 ply, RPO 274A | 915 at 28 | 955 | 30 | | | |
