HEATER CONTROL COVER ASSY
3736629

CLOCK HOLE COVER ASSY
3736091 (1500-2100)

RADIO HOLE COVER ASSY
3736733 (1500-2100)
3736093 (2400)

MODELS
ALL

INSTRUMENT PANEL ACCESSORY HOLE COVERS

<table>
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<th>PASSENGER CAR INSTRUCTION MANUAL</th>
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<tr>
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</table>
ADJUST TABS TO PERMIT EASY OPERATION AND ALIGNMENT

BRUSH LIGHTLY WITH LUBRIPLATE

3732341 RETAINER ASSY.

3734516 ASH TRAY ASSY.

VIEW A

INSTRUMENT PANEL

1 161857 SCREW

RIGHT DRIVE

BRUSH LIGHTLY WITH LUBRIPLATE

ADJUST TABS TO PERMIT EASY OPERATION AND ALIGNMENT

3711137 RETAINER ASSY.

VIEW B

INSTRUMENT PANEL

3711131 ASH TRAY ASSY.

SEE LUBRICATION INSTRUCTION

MODELS ALL

ASH TRAY

NAME

PASSenger CAR INSTRUCTION MANUAL

REF. DRAWN CHECKED

P F

DATE 6-1-56

PART NO. 3736500

SHeet 7.00
INSTRUMENT PANEL TRIM PLATES

A 6 INCH LENGTH OF TAPE IS POSITIONED IN GROOVE 1.50 IN. FROM END OF PLATE. TYPICAL INSTALLATION ON CENTER AND R.H. PLATES.

TRIM PLATE ASSEMBLED UNDER INSTRUMENT CLUSTER TYPICAL 2 PLACES

TRIM PLATE ASSEMBLED UNDER BEZEL TYPICAL 4 PLACES

BEZEL

INSTRUMENT PANEL

TRIM PLATE ASSEMBLED UNDER BEZEL AS SHOWN ABOVE HELD IN PLACE BY RADIO HOLE COVER ATTACHING PARTS

MODELS 2400

INSTRUMENT PANEL TRIM PLATES
VIEW A

INSTRUMENT PANEL

3735694 CLUSTER MOULDING

BEND TABS 8 PLACES

INSTRUMENT CLUSTER

INSTRUMENT CLUSTER MOULDING

MODELS
2100-2400
ALL L.D.
DASH PANEL HEATER & VALVE HOLE COVER

| MODELS | 1 ALL |

<table>
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<tr>
<th>3737572 SEAL</th>
<th>3733114 COVER</th>
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<td>161895 SCREW</td>
<td>3733112 COVER</td>
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<td>3736500</td>
<td>3737575 GASKET</td>
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<tr>
<td>3735342 CLAMP</td>
<td>3701780 MASKING TAPE</td>
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</table>

1 1/2 IN. PLACED OVER DEFROSTER DUCT MOUNTING HOLE.

2 IN. PLACED OVER V-8 OIL SENDER & IGNITION WIRE CLIP HOLE.

---

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BODY MOULDING

SILL MOULDING ASSY
3739069 L.H.
3739070 R.H.

446069 NUT

48043 CEMENT (.1 OZ.)

3735072 RETAINER

3735073 CLIP

MODELS
3400

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NO. 1 BODY MOUNTING

MODELS
ALL

15-20 LBS. FT.

3724104 BOLT
3711009 WASHER
102635 NUT

DASH LEG

3711610 SPACER
3712550 SHIM AS REQUIRED
3711607 CUSHION ASSY
3746937 CUSHION

3723392 WASHER

BODY BRACKET

3724102 BOLT
3711009 WASHER
102635 NUT

DASH LEG

3714408 BODY SHIM
3712550 SHIM AS REQUIRED

333066 WASHER

BODY BRACKET

VIEW A
ALL EXCEPT CONVERTIBLE

VIEW B
CONVERTIBLE

NAME PASSenger Car Instruction Manual

REF. DRAWN CHECKED SECT. SHEET
4-12-57 1 WAS 3711608 8925 F F 1 17.00
7-31-56 RELEASED 8502 5 18-56

DATE REVISED REVISED RECORD AUTH. DR. CK.
3684052 CEMENT (.23 OZ)

3696078 COVER

UNDERBODY

GAUGE HOLE

VIEW B
ALL EXCEPT CONVERTIBLE

3712559 SHIM AS REQUIRED

FIRST SHIM TO BE ROTATED UNTIL TABS CONTACT CORNERS AS SHOWN. ADDITIONAL SHIMS MUST BE STAGGERED AS SHOWN.

3711823 BOLT
333066 WASHER
102635 NUT

3714409 SHIM

333066 WASHER

CROSS MEMBER
VIEW A
CONVERTIBLE

NO. 2 INNER BODY MOUNTING & GAUGE HOLE

MODELS
ALL
NO. 2 OUTER BODY MOUNTING

<table>
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<th>MODEL</th>
<th>NAME</th>
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NOTE: 15-30 LBS. FT.
15-30 LBS. FT.

1 3748936 CUSHION ASSY., 1
2 3748937 CUSHION, 2

1 3708892 BOLT—3723992 WASHER

ALL EXCEPT CONVERTIBLE & 9 PASSENGER STATION WAGON

1 3718180 SPACER

3712559 SHIM AS REQUIRED

1 3708892 BOLT—3723992 WASHER

VIEW C
9 PASSENGER STATION WAGON

3714409 SHIM

VIEW B
CONVERTIBLE

FIRST SHIM TO BE ROTATED UNTIL TABS CONTACT CORNERS AS SHOWN. ADDITIONAL SHIMS MUST BE STAGGERED AS SHOWN

MODELS
ALL

NO. 5 BODY MOUNTING

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</table>
FIRST SHIM TO BE ROTATED
UNTIL TABS CONTACT CORNERS
AS SHOWN. ADDITIONAL SHIMS
MUST BE STAGGERED AS SHOWN.

NO. 5-A BODY MOUNTING

MODELS
CONVERTIBLE &
9 PASSENGER
STATION WAGON

PASSenger car instruction manual

<table>
<thead>
<tr>
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DATE     | REVISED  | AUTH. | 4-12-97 | 9923 | DR. CL. | 3736500

SHEET 1  | 26.00
SHOWN-BODY SHIM AT #6 BODY MOUNTING

R.H. SIDE MEMBER

3692285 MASKING TAPE

REAR CROSS MEMBER

USED TO ATTACH BODY SHIM AT #2 INNER BODY BRACKET AND #6 BODY BRACKET.

SHOWN-BODY SHIM AT #1 BODY MOUNTING

BODY BRACKET

R.H. SIDE MEMBER

3693378 RUBBER BAND

USED TO ATTACH BODY SHIM TO BODY BRACKETS AT #1, #2 OUTER, #3 INNER & OUTER, #3A, #4, #5 & #5A.

MODELS
CONVERTIBLE

BODY SHIM HOLDING

<table>
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<tr>
<th>REF.</th>
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DATE 5-18-56
PART No. 3736500

7-31-56 RELEASED
AUTH. DR. CK.
ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE C OF THIS GAUGE HOLE

NO. 3 BRACKET 3726697

40.24 ± .09

3.58 ± .06

26.64 ± .09

C FRAME AT "O" LINE

THESE TWO WELDS MAY BE OPTIONALLY PLACED ON THE UNDERSIDE OF THE BRACKET.

ARC WELD .76 MIN. LENGTH 8 PLACES

VIEW A

MODELS
4 DOOR SPORT SEDAN

NO. 3 OUTER BODY BRACKET

NAME

PASSenger CAR INSTRUCTION MANUAL

REF.

DRAWN

CHECKED

SECT.

SHEET

7-31-56

8502

5-8-56

3736500

2

4.00
ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE C.F. OF THIS HOLE

VIEW A
ALL EXCEPT CKD BLOOMFIELD

VIEW B
CKD BLOOMFIELD

MODELS
SPORT COUPE

NO. 3-A BODY BRACKET
FRONT CROSS MEMBER

<table>
<thead>
<tr>
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MODELS
ALL
CKD BLOOMFIELD

3730178 CROSS MEMBER
& UPPER CONTROL ARM
BRACKET ASSY

RIVET
3715871
(22 PLACES)

RIVET
3715871
(4 PLACES)

ROUND RIVET HEAD
BEFORE FORMING

VARY AS TO
LENGTH OF RIVET

VIEW OF RIVET
TYPICAL

F.O.D.

Q GAGE HOLE

VIEW A

30°

.08

.53

VIEW B
BRAKE HOSE BRACKET
& REAR CROSS MEMBER

MODELS
ALL
CKD BLOOMFIELD

<table>
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<tr>
<th>DATE</th>
<th>SYM.</th>
<th>REVISION RECORD</th>
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ENGINE REAR MOUNTING FRAME BRACKET

MODELS
ALL
CKD BLOOMFIELD

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| 2 | 9.00 |
ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE Ø OF THIS GAUGE HOLE

NO. 2 BRACKET 3710105 LH 3710105 RH

NO. 1 BRACKET 3712401 LH 3712402 RH

Ø FRAME AT "Ø" LINE

27.74±.09
4.08±.06
1.24±.09
11.84±.09
9.76±.06
19.48±.09

ARC WELD 7 PLACES AS SHOWN

MODELS ALL CKD BLOOMFIELD

NO. 1 & NO. 2 BODY BRACKET

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<td>SYM.</td>
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</table>
3710151 BRACKET

3710125 BRACKET

15.82 ± 0.08

4.85 ± 0.06

3.96 ± 0.06

26.56 ± 0.09

33.60 ± 0.09

& FRAME AT "O" LINE

ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE G. OF THIS GAUGE HOLE

ARC WELD
76 MIN. LENGTH
4 PLACES AS SHOWN

ARC WELD
7 PLACES AS SHOWN

ALL EXCEPT 4 DOOR SPORT SEDAN

MODELS
ALL
CKD BLOOMFIELD

NO. 3 INNER & OUTER BODY BRACKET

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</table>
ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE O OF THIS GAUGE

_HOLE

FRAME AT "O" LINE

ARC WELD
.75 MIN. LENGTH
4 PLACES

VIEW A

ALL EXCEPT 9 PASSENGER
STATION WAGON

VIEW B

MODELS
ALL
CKD BLOOMFIELD

NO. 4 & NO. 5 INNER BODY BRACKET

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</table>
NO. 5 & NO. 5A BODY BRACKET

ALL BODY MOUNTING BRACKETS ARE LOCATED FROM THE O OF THIS GAUGE HOLE

ARC WELD .75 MIN LENGTH 4 PLACES

VIEW A

View B
INNER SURFACE MUST BE WITHIN 90° 30' OF BEING NORMAL TO LONGITUDINAL G. OF CAR.

HOLES MUST BE IN LINE AND AXIS MUST BE NORMAL WITH LONGITUDINAL G. OF FRAME WITHIN .18 IN 18 INCHES.

MODELS
ALL
CED BLOOMFIELD
STEERING AXLE INCLINATION

LOWER CONTROL ARM SHAFT FRONT END

WHEEL

Q WHEEL

3°26' 18"

TOE-IN PER WHEEL = X-Y

CAMBER ANGLE

CASTER ANGLE

FRONT VIEW

□ DIMENSION WITH VEHICLE UNDER ACTUAL DESIGN LOAD CONDITION
(5 - 150 LB PASSENGERS, 2 FRONT & 3 REAR SEAT)

△ DIMENSION WITH VEHICLE UNDER ACTUAL CURB LOAD CONDITION
(NO PASSENGERS, BUT INCLUDING OIL, WATER & A FULL TANK OF GASOLINE OR EQUIV.)

□ DESIGN LOAD

△ CURB WEIGHT

<table>
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<tr>
<th>TOE-IN PER WHEEL</th>
<th>CAMBER ANGLE</th>
<th>CASTER ANGLE</th>
<th>FRONT HEIGHT</th>
<th>REAR HEIGHT</th>
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<td>0 TO -1/16</td>
<td>+30°±30°</td>
<td>+20°±30°</td>
<td>#9.41</td>
<td>#3.71</td>
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<tr>
<td>1/16 TO 1/8</td>
<td>+30°±30°</td>
<td>±1°±30°</td>
<td>#10.49</td>
<td>#5.97</td>
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* RIGHT AND LEFT SIDES EQUAL WITHIN 15°.

# THESE DIMENSIONS ARE THEORETICAL AND ARE FOR REFERENCE ONLY, NOT TO BE USED FOR CHECKING WHEEL ALIGNMENT

MODELS

ALL

FRONT SUSPENSION GEOMETRY

NAME: PASSENGER CAR INSTRUCTION MANUAL

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DATE: SYM. REVISION RECORD

AUTH. DR. CK. 4-24-56

3 3.00
9-11 LBS. FT.
50-60 LBS. FT.

COLOR CODE CHART

<table>
<thead>
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<th>MODELS</th>
<th>PART NO</th>
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<tbody>
<tr>
<td>ALL</td>
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![Diagram of a vehicle component with labels:
- Underbody
- Link rod nut
- Stake nut
- Deforming thread
- 5325788 SP grommet
- Rear shock absorber assy
- Anchor pin
- 3691530 SP nut
- 3735334 grommet
- 3714310 retainer]

MODELS
ALL

SHOCK ABSORBER
RADIATOR HOSE, FUEL PUMP & DECALCOMANIA

CLAMPS TO BE ASSEMBLED APPROX. 1/4 INCH FROM THE END OF THE HOSE

SEE LUBRICATION CHART
AIR CLEANER, CARBURETOR & CHOKE PIPE

MODELS
ALL

PART OF AIR CLEANER

PART OF AIR CLEANER

LOCK WASHER

MANIFOLD

3696830 INSULATOR R.H.
3696839 INSULATOR L.H.
3692799 INSULATOR L.H.
7009637 CARBURETOR ASSY

120546 NUT

121711 CONNECTOR

3708408 GASKET

3742921 STUD

3735559 CHOKE PIPE ASSY

1582726 AIR CLEANER & SILENCER ASSY

3734223 SUPPORT

3740978 BRACKET ASSY. (RD ONLY)

3696838 GASKET (RD ONLY)

120392 WASHER

126177 WING NUT

15-25 LBS. IN.
100-125 LBS. IN.
15-20 LBS. FT.
40-60 LBS. IN.

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<th>DR.</th>
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Legend:
- A: Warning
- D: Danger
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<tr>
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<tr>
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<td>.007&quot;-.020&quot;</td>
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<tr>
<td>Ring Clearance in Groove</td>
<td>.001&quot;-.008&quot;</td>
</tr>
<tr>
<td><strong>Oil Control Ring</strong></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Steel</td>
</tr>
<tr>
<td>Type</td>
<td>2 Chrome Plated Rails, Spacer</td>
</tr>
<tr>
<td>Width</td>
<td>.181&quot;-.185&quot;</td>
</tr>
<tr>
<td>Gap Clearance</td>
<td>.015&quot;-.055&quot; (On Rails)</td>
</tr>
<tr>
<td>Ring Clearance in Groove</td>
<td>.0006&quot;-.0084&quot;</td>
</tr>
<tr>
<td>Expander Type</td>
<td>Segmented Steel</td>
</tr>
</tbody>
</table>

**CYLINDER HEAD AND VALVES**

<p>| <strong>Head</strong>               |                           |
| Material              | Cast Alloy Iron           |
| Bolt Torque           | 90-95 ft. lbs. (Oiled Threads) |
| Valve Rocker Cover    |                           |
| Nut Torque            | 25 ft. lbs. (Maximum)    |
| Inlet Valves          |                           |
| Material              | Silchrome or Nickel Chrome Steel |
| Valve Face Angle      | 29&quot;                      |
| Dia. Head             | 13(\frac{1}{8})&quot;       |
| Length                | 6.384&quot;-6.394&quot;            |
| Stem Dia.             | .3410&quot;-.3417&quot;            |
| Exhaust Valves        |                           |
| Material              | Silchrome XB              |
| Valve Face Angle      | 44&quot;                      |
| Dia. Head             | 13(\frac{1}{8})&quot;       |
| Length                | 4.902&quot;-4.922&quot;            |
| Stem Diameter         | .3410&quot;-.3417&quot;            |
| Valve Lash (Hot)      | None (Hydraulic)          |
| Valve Stem Guides     |                           |
| Clearance             | .001&quot;-.0027&quot;             |
| Inlet                 | .001&quot;-.0027&quot;             |
| Exhaust               | .0015&quot;-.0032&quot;            |
| Automatic Transmission| Silchrome XCR Steel       |
| Valve Face Angle      | 44&quot;                      |
| Dia. Head             | 13(\frac{1}{8})&quot;       |
| Length                | 4.913&quot;-4.933&quot;            |
| Stem Diameter         | .3410&quot;-.3417&quot;            |
| Valve Lash (Hot)      | None (Hydraulic)          |
| Valve Stem Guides     |                           |
| Clearance             | .001&quot;-.0027&quot;             |
| Inlet                 | .001&quot;-.0027&quot;             |
| Exhaust               | .0015&quot;-.0032&quot;            |</p>
<table>
<thead>
<tr>
<th>CYLINDER HEAD AND VALVES (Cont.)</th>
<th>235.5 cu. in. 6 Cyl. Engine</th>
<th>265 cu. in. 8 Cyl. Engine</th>
<th>283 cu. in. 8 Cyl. Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oversize Valve Stems</td>
<td>None</td>
<td>.003&quot;-.015&quot;-.030&quot;</td>
<td>.003&quot;-.015&quot;-.030&quot;</td>
</tr>
<tr>
<td>Ream</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inlet</td>
<td>.3427&quot;-.3437&quot;</td>
<td>.3432&quot;-.3442&quot;</td>
<td>.3432&quot;-.3442&quot;</td>
</tr>
<tr>
<td>Exhaust</td>
<td>.3427&quot;-.3437&quot;</td>
<td>.3432&quot;-.3442&quot;</td>
<td>.3432&quot;-.3442&quot;</td>
</tr>
<tr>
<td>Extend Above Head</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inlet</td>
<td>1.000&quot;-1.015&quot;</td>
<td>No Replaceable Guides</td>
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<tr>
<td>Exhaust</td>
<td>.935&quot;-.950&quot;</td>
<td>No Replaceable Guides</td>
<td>No Replaceable Guides</td>
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<tr>
<td>Length</td>
<td></td>
<td></td>
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<tr>
<td>Inlet</td>
<td>3.835&quot;</td>
<td>No Replaceable Guides</td>
<td>No Replaceable Guides</td>
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<tr>
<td>Exhaust</td>
<td>2.430&quot;</td>
<td>No Replaceable Guides</td>
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<td>Valve Seats</td>
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<tr>
<td>Angle</td>
<td></td>
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<tr>
<td>Inlet</td>
<td>30°</td>
<td>45°</td>
<td>45°</td>
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<tr>
<td>Exhaust</td>
<td>45°</td>
<td>45°</td>
<td>45°</td>
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<tr>
<td>Dia. Cutter</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Inlet</td>
<td>1.978&quot;-1.998&quot;</td>
<td>1.770&quot;-1.790&quot;</td>
<td>1.770&quot;-1.790&quot;</td>
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<td>Exhaust</td>
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<td>1.550&quot;-1.570&quot;</td>
<td>1.550&quot;-1.570&quot;</td>
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<td>Width in Head</td>
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<tr>
<td>Inlet</td>
<td>.035&quot;-.060&quot;</td>
<td>.035&quot;-.060&quot;</td>
<td>.035&quot;-.060&quot;</td>
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<td>.062&quot;-.093&quot;</td>
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<td>Valve Springs</td>
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<td>Free Length</td>
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</tr>
<tr>
<td>Conventional</td>
<td>25(\frac{3}{4})&quot;</td>
<td>2.08&quot;</td>
<td>2.08&quot;</td>
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<tr>
<td>Automatic</td>
<td>21(\frac{5}{8})&quot;</td>
<td>2.03&quot;</td>
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<tr>
<td>Lbs. Pressure at Valve</td>
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<td>Open Length</td>
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<tr>
<td>Conventional</td>
<td>194-210 lbs. at 12(\frac{6}{64})&quot;</td>
<td>71-79 lbs. at 14(\frac{6}{64})&quot;</td>
<td>71-79 lbs. at 14(\frac{6}{64})&quot;</td>
</tr>
<tr>
<td>Automatic</td>
<td>194-210 lbs. at 13(\frac{1}{64})&quot;</td>
<td>71-79 lbs. at 14(\frac{6}{64})&quot;</td>
<td>71-79 lbs. at 14(\frac{6}{64})&quot;</td>
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<tr>
<td>Installed Height</td>
<td>1(\frac{5}{64})-1(\frac{5}{64})&quot;</td>
<td>1(\frac{1}{16})-1(\frac{1}{64})&quot;</td>
<td>1(\frac{1}{16})-1(\frac{1}{64})&quot;</td>
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<tr>
<td>Type</td>
<td>Full Pressure</td>
<td>Full Pressure</td>
<td>Full Pressure</td>
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<tr>
<td>OIL PUMP</td>
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<tr>
<td>Type</td>
<td>Spur Gear</td>
<td>Spur Gear</td>
<td>Spur Gear</td>
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<tr>
<td>Pressure</td>
<td>30 PSI @ 1170-1200 RPM</td>
<td>30 PSI @ 1170-1200 RPM</td>
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<td>Runout</td>
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<td>.008&quot; Maximum</td>
<td>.008&quot; Maximum</td>
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<td>Flywheel</td>
<td>.008&quot; Maximum</td>
<td>.008&quot; Maximum</td>
<td>.008&quot; Maximum</td>
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</table>
BRUSH A UNIFORM LAYER OF LUBRICANT TO THESE SURFACES FOR FULL CIRCUMFERENCE

FILL THIS GROOVE WITH LUBRICANT FOR FULL CIRCUMFERENCE. APPLY WITH SPECIAL GUN

RELEASE BEARING ASSY:
909422
838712 --- OPT
3657696

TRANSMISSION MAIN SHAFT

SEE LUBRICATION CHART

CLUTCH RELEASE BEARING

MODELS
ALL
CLUTCH PEDAL ADJUSTMENT INSTRUCTION

1. LOCATE CLUTCH PEDAL AT ADJUSTING CLUTCH PEDAL BUMPER BRACKET until pedal pad is at the same height as brake pedal.

2. WITH FULL RACE SPRING INSTALLED AT A,, ADJUST PULL BACK SPRING LEVER until an 8 lb. load is required to push pedal of bumper.

3. ADJUST SWIVEL 180° ON BOLT 2 to allow 5/4 TO 1 DCH FREE TRAVEL OF PEDAL BEFORE CLUTCH NEDGES TO RELEASE.

SEE LUBRICATION CHART

CLUTCH LINKAGE
21-30 LBS. FT.

TRANSMISSION & EXTENSION

3715930 ROD

3710186 ROD

CLIP MUST BEAR AGAINST LEVER THIS DISTANCE

3712496 SHAFT

BRACKET

3698239 SPACER

3698237 SPRING

3686836 LEVER

VIEW A

VIEW B

SEE LUBRICATION CHART

GEARSHIFT LINKAGE

MODELS
ALL RD

<table>
<thead>
<tr>
<th>DATE</th>
<th>SYM.</th>
<th>REV. REC.</th>
<th>AUTH.</th>
<th>DR.</th>
<th>CK.</th>
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DATE
6-20-56

PART No
3736500

SHEET
7

8.00
GEARSHIFT LEVER POSITION

<table>
<thead>
<tr>
<th>MODELS</th>
<th>ALL</th>
</tr>
</thead>
</table>

VIEW A

HORIZONTAL Q

19 1/2 ° THIRD

20 ° FIRST

19 1/2 ° THIRD

19 1/2 ° FIRST

11 1/2 °

11 1/2 °

20 1/2 ° REVERSE

21 1/4 ° SECOND

19 3/4 ° REVERSE

19 3/4 ° SECOND

GAP BETWEEN STEERING WHEEL & DIRECTIONAL SIGNAL HOUSING

1ST & REV 1 5/8 REF NORMAL
2ND & 3RD 3 1/2 REF NORMAL

STEERING WHEEL ASSY

ALL LD

ALL RD

N

.085

.058

PASSenger CAR INSTRUCTION MANUAL

REF. 8502  6-20-56  3736500

DATE PART No.  V

7 9.00

REVISION RECORD  AUTH. DR. CK.

7-31-56  RELEASED
ENDS OF ADJUSTABLE TIE RODS MUST BE HELD IN CORRECT ANGULAR RELATIONSHIP TO EACH OTHER AFTER ADJUSTMENT.

THIS BOLT, L.W. & NUT ARE PARTS OF SIDE MEMBER ASSY. FOR CKD BLOOMFIELD.

371955 IDLER LEVER SUPPORT

TIGHTEN THESE NUTS AFTER IDLER LEVER IS ATTACHED TO LEVER SUPPORT AND WITH WHEELS IN STRAIGHT AHEAD POSITION.

WITH MARK ON STEERING GEAR SHAFT AT 12 O' CLOCK, ADJUST TIE RODS (EA. SIDE) TO GET SPECIFIED TOE-IN PER WHEEL. SEE SECTION 3 SHEET 3.00 FOR ADJUSTMENT.

FITTING
271304
109454
110347
271287

LUBRICATION AS SPECIFIED IN LUBRICATION CHART (4 PLACES)

TOP END STEERING SHAFT

SHAFT MARK MUST BE AT TOP WITH WHEELS IN STRAIGHT AHEAD POSITION

MODELS ALL

STEERING LINKAGE

<table>
<thead>
<tr>
<th>DATE</th>
<th>SYM.</th>
<th>REVISION RECORD</th>
<th>AUTH.</th>
<th>DR.</th>
<th>CL.</th>
<th>PASS.</th>
<th>M. INSTR.</th>
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<td>8484</td>
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<td>PASSENGER CAR INSTRUCTION MANUAL</td>
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<td>3-20-57</td>
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<td>7588</td>
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<td>WAS 3707734</td>
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</tbody>
</table>
- 3715246 SEAL
- 3721435 SEAT
- 3721434 SPRING
- 3721436 WASHER
- 3721433 SEAL

TO CENTER STEERING GEAR SHAFT BETWEEN THE LEGS OF THE INSTRUMENT CLUSTER SHIM AS REQUIRED BETWEEN STEERING GEAR AND FRAME ON EITHER FRONT OR REAR BOLTS.

SEE LUBRICATION CHART

MODELS ALL

STEERING GEAR

<table>
<thead>
<tr>
<th>NAME</th>
<th>PASSenger CAR Instruction Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 WAS 35-40 LBS.</td>
<td></td>
</tr>
<tr>
<td>4-9-57 5 REDRAWN</td>
<td>9408</td>
</tr>
<tr>
<td>DATE</td>
<td>REvision RECORD</td>
</tr>
</tbody>
</table>
Note: Mark on hub of steering wheel must be in line with mark on shaft and stake nut at assembly.

Models: All

Steering Wheel

<table>
<thead>
<tr>
<th>Name</th>
<th>Passenger Car Instruction Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
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</tr>
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<td>10-11-56</td>
<td>PART &amp; MODEL ADDED</td>
</tr>
<tr>
<td>8-20-56</td>
<td>REDRAWN &amp; REVISED</td>
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<tr>
<td>Date</td>
<td>SYM.</td>
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Ref. | Drawn | Checked | Sect. | Sheet |
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</tbody>
</table>

35-40 LBS. FT.
STEERING COLUMN &
CLUTCH ROD DASH SEAL

MODELS
ALL

REF. TOOL USED TO
INSERT FASTENERS

SECTION A-A
TYPICAL

STEERING COLUMN

CLUTCH ROD

3730562 FASTENER

COVER
3733227 L.D.
3723412 R.D.

442609 RIVET

3714329 PLATE

DASH MAT ASSY.

3725692 SEAL

RETAINER
3713869 L.D.
3713870 R.D.

SEAL
3736327 L.D.
3713850 R.D.

REF. PART No. 3736500

DATE 5-28-56
PART No. 3736500

7-31-56 RELEASED 8503
DATE SYM. REVISED REV. AUTH. DR. CK.

NAME PASSENGER CAR INSTRUCTION MANUAL

REF. DRAWN CHECKED

P F

SECT. SHEET

9 6.00
TIRE UNIT
3734547 ALL 1500 & 2100 EXCEPT 2119
3734549 ALL 2400
3734550 - 2119

358501 NUT

3731847 HUB CAP
1500 - 2100

3732696 HUB CAP
2400

TO INSTALL FIRST PILOT CAP ON TIRE VALVE AND ENGAGE ADJACENT LUGS. THEN SNAP OVER LUGS FARTHEST FROM VALVE STEM HOLE

WHEEL ASSY.
3735591
3738870 - OPT.

JACK BASE

3727540 NUT

37737503 BOLT

ALL EXCEPT SEDAN DELIVERY & STATION WAGON

SEDAN DELIVERY & STATION WAGON

WHEEL & TIRE ASSY

3733394 BOLT

ALL TIRES OF SAME SIZE AND PLY RATING FURNISHED WITH ANY VEHICLE SHALL BE OF SAME MAKE.

SEE LUBRICATION CHART

WHEELS & TIRES

MODELS
ALL

NAME PASSENGER CAR INSTRUCTION MANUAL

NOTE REMOVED 4469 F
10-11-56 2 WAS 45-55 LBS. FT. 5944
8-20-56 1 3739870 OPTION ADDED 2339 F
7-31-56 RELEASED 8502

DATE SYM. REVISION RECORD AUTH. DR. CK. 6-18-56 PART No. 3736500

10 1.00
FENDER TO DASH

15-20 LBS. FT.

FENDER ASSY

DASH PANEL ASSY

3731941 BRACKET ASSY
BRACKET ASSY AND
ATTACHING PARTS TO
FENDER ARE TO BE
PAINTED WITH FENDER

120235 BOLT

120382 L.W.

3710405 SP.W.

3711834 SHIM (AS REQ'D)

466943 CEMENT
(.016 OZ. EACH SIDE)

MODELS
ALL

FENDER TO DASH

<table>
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<tr>
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<th>PASSENGER CAR INSTRUCTION MANUAL</th>
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<td>REF. DRAWN</td>
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<td>3-15-57 9 REDRAWN</td>
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FENDER SKIRT TO DASH LEG

ALL MODELS

<table>
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<th>AUTH.</th>
<th>DE.</th>
<th>CK.</th>
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<td>D</td>
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<td>8503</td>
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FENDER MOULDING

MODELS
ALL

3734299 LOUVER ASSY

VIEW B
2400 ONLY

RETAINER ASSY
3723652
3722635 OPT.

MOULDING

VIEW A
2100-2400

VIEW C
1500 ONLY

1174584 NUT

441239 NUT
2100 - 2400

3733212 NAME PLATE

1500 ONLY

.08
.12

25-35 LBS. IN.
10-15 LBS. IN.
4-5 LBS. IN.

1174636 NUT ASSY

FENDER MOULDING

NAME

PAASSENGER CAR INSTRUCTION MANUAL

REF.

DRAWN

CHECKED

SECT.

SHEET

10-22-56

REDRAWN AND REVISED 5652 5187 V F

DATE SYM.

AUTH.

REV. RECORD

AUTH.

REV.

DR.

CK.

6-18-56

5736500

11 8.00
INSTRUMENT CLUSTER

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<thead>
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<th>MANUFACTURER'S REF.</th>
<th>NAME</th>
<th>REF.</th>
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<td>10-11-56</td>
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<td></td>
<td>DATE</td>
<td>PART No.</td>
<td>3736500</td>
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</table>

NOTE: THE FOLLOWING ASSEMBLY SEQUENCE SHOULD BE ESTABLISHED IN ORDER TO ASSURE PROPER SEATING OF THE LOWER REAR EDGE OF THE CLUSTER AGAINST THE INSTRUMENT PANEL:

1. INSTALL SCREWS AT TOP (A-A)
2. INSTALL NUTS TO STUDS (C)
3. INSTALL SCREWS AT CENTER (B-B)
GLOVE BOX LIGHT

WIRING HARNESS
RED
GLOVE BOX
127934 LAMP

SWITCH ASSY
1998161
3737200
2100-2400 RD

GLOVE BOX LIGHT WIRE
3724851 TAPE
2962664 INSULATOR (ON GLOVE BOX LIGHT WIRE TERMINAL)
1500 RD

2962664 INSULATOR
3724851 TAPE
1500
(TAPE-UP GLOVE BOX LIGHT WIRE & INSULATOR TO HARNESS)

127934 LAMP
2100-2400

SWITCH ASSY
1998161
3737200
2100-2400

LEFT DRIVE

MODELS
ALL

GLOVE BOX LIGHT
RESISTOR, OIL PRESSURE SWITCH & THERMO GAUGE

<table>
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<tr>
<th>DATE</th>
<th>SYM</th>
<th>REVISION RECORD</th>
<th>AUTH.</th>
<th>DR.</th>
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<td>5101</td>
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MODELS

ALL

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<td></td>
<td>12</td>
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1931614 RESITOR
121753 LW
3650059 SCREW
COLOR - TAN
COLOR - DK GREEN
CLIP
OIL PRESSURE SWITCH

STARTER MOTOR WIRING HARNESS ASSY
CONNECTOR (BY FISHER)

2967247 BODY WIRING HARNESS EXTENSION ASSY

CHASSIS WIRING HARNESS CLIPS

GROMMET

CLIP WELDED TO STEERING COLUMN BRACE (CLOSE CLIP AFTER INSERTING WIRE ASSY)

STARTER MOTOR WIRING HARNESS

BODY WIRING HARNESS EXT. ASSY

COIL WIRE

BATTERY CABLE

BATTERY TERMINAL

VIEW A

MODELS
CONVERTIBLE

CONVERTIBLE WIRING
DISCONNECT PLUG FROM RELAY ON CARS TO BE SHIPPED BY RAILWAY. WRAP AROUND ADJACENT WIRES.

SECTION B-B

GENERATOR, VOLTAGE REGULATOR & HORN RELAY

<table>
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<tr>
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DATE: 5-24-56
PART No. 3736500

MODELS
ALL
40-50 LBS. IN.

- 273295 NUT
- WIRE ASSY BY FISHER BOOT MUST BE ASSEMBLED OVER FLANGE
- LAMP ASSY 898423 L.H. 898424 R.H.

**MODELS**
ALL

---

**TAIL & STOP LAMP**

<table>
<thead>
<tr>
<th>NAME</th>
<th>PASSENGER CAR INSTRUCTION MANUAL</th>
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<tbody>
<tr>
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models
all

license plate lamp

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<tr>
<th>13-17 lbs. in.</th>
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<tbody>
<tr>
<td>10-15 lbs. in.</td>
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BODY WIRING HARNESS BY FISHER

(1) 3686821 GROMMET

(2) 3735341 GROMMET

REAR CROSS MEMBER

REAR BUMPER

BODY WIRING ASSY BY FISHER

REAR CROSS MEMBER

896309 LAMP ASSY.

SLIT AT ASSEMBLY

3732018 SCREW

NUT 445132 4488531 OPT.

3713452 CLIP

898472 LAMP

5945959 DOOR

3719610 SCREW

SEDAN DELIVERY & STATION WAGON

license plate lamp

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<td>DR. CK.</td>
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</table>
1585232 SPEEDOMETER FLEXIBLE SHAFT ASSY R.D.

① TIGHTEN SECURELY, MUST NOT BE FINGER LOOSE

1588842 SPEEDOMETER FLEXIBLE SHAFT ASSY L.D.

DASH TO INSTRUMENT PANEL BRACE

CLIP FOR REFERENCE SEE SECTION 1 (WINDSHIELD WIPER)

OPENING IN DASH MAT

GROMMET, TAPERED SIDE TO FRONT

① PARKING BRAKE CABLE ASSY

ASSEMBLE SPEEDOMETER FLEXIBLE SHAFT ASSY ABOVE PARKING BRAKE CABLE

CLIP FASTENED TO BRACKET ON TOE PANEL

MODELS

ALL

SPEEDOMETER SHAFT
BEAM AIM SHALL BE CHECKED WITH NO LOAD IN THE VEHICLE OTHER THAN THE DRIVER IN THE FRONT SEAT.
ADJUSTMENTS TO BE MADE WITH UPPER BEAM ON, EACH LAMP AIMED INDEPENDENTLY WITH OTHER LAMP COVERED.

THIS DIMENSION MUST BE HELD FROM FRONT OF HEADLAMP TO FRONT FACE OF SCREEN.

AIM VERTICALLY SO THAT CENTER OF HOT SPOT IS 2.0 INCHES BELOW CENTER OF LAMP ON CAR WITHIN ± 1.5 INCHES.

28° 6'

Q RIGHT LIGHT

Q LEFT LIGHT

Q CAR & SCREEN

LINE UP Q OF CAR WITH Q OF SCREEN ON A LEVEL FLOOR. FRONT OF CAR MUST BE SQUARE WITH FACE OF SCREEN.

AIM HORIZONTALLY SO THAT CENTER OF HOT SPOT IS STRAIGHT AHEAD ± 4 INCHES.

HEIGHT OF LAMP TO BE MEASURED ON CAR BEING CHECKED.

SCREEN IS TO BE PAINTED FLAT WHITE WITH BLACK LINES. SCREEN MUST BE SHIELDED FROM OUTSIDE LIGHT, ENOUGH TO ALLOW LINES TO BE CLEARLY SEEN.

MODELS
ALL

HEADLAMP ADJUSTMENT

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RADIATOR, SUPPORT & TIE BAR

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**RADIATOR, SUPPORT & TIE BAR**

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<td>WAS .75 ± .25</td>
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**DRAWN** | **CHECKED** | **F** | **V** | **DATE** | **F** | **PART No.** | **13** | **SHEET** | **2.00**
---|---|---|---|---|---|---|---|---|
| 8389 | 7737 | 5855 | 8502 | 6-18-56 | 3736500 | 13 | 2.00 |
9 PASSENGER STATION WAGON

WHEEL ASSEMBLY
SEE SECTION 10

3738480 PAD
3686625 ADHESIVE (.05 OZ.)

VIEW A

ALL EXCEPT STATION WAGON
& SEDAN DELIVERY

AUTO JACK

<table>
<thead>
<tr>
<th>NAME</th>
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STATION WAGON (EXCEPT 9 PASS.)
& SEDAN DELIVERY

3737428 INSTRUCTION SHEET
3686625 ADHESIVE (.30 OZ.)

3737504 SPRING ASSY

JACK ASSEMBLY
3746471
3744488
3735538
3735530
WRENCH
3710666

OPT.

3737430 INSTRUCTION SHEET
3686625 ADHESIVE (.30 OZ.)

MODELS
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<th>CHEV. NO.</th>
<th>SPEC. NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY FOR 1000 JOBS</th>
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<tbody>
<tr>
<td>3719686</td>
<td>GM-4756-M (SEE DRWG)</td>
<td>ENGINE OIL (SEE DRWG)</td>
<td>1250 GAL</td>
<td>OIL PAN - THRU FILLER HOLE IN VALVE ROCKER COVER</td>
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<td>95 GAL</td>
<td>OIL PAN - THRU OIL FILLER TUBE - V-8</td>
<td>RPO 321</td>
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<td>375 GAL</td>
<td>OIL FILTER - OIL PAN THRU OIL FILLER TUBE TO REPLACE OIL REMOVED FROM OIL PAN &amp; HELD IN FILTER</td>
<td>RPO 339</td>
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<td>350 GAL</td>
<td>OIL FILTER - OIL PAN THRU OIL FILLER HOLE TO REPLACE OIL REMOVED FROM OIL PAN &amp; HELD IN FILTER</td>
<td>RPO 411</td>
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<td></td>
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<td>1.17 GAL</td>
<td>GENERATOR OIL CUPS-BOTH ENDS-FILL CUPS</td>
<td>RPO 375</td>
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<td>DISTRIBUTOR OIL CUP - V-8 - FILL CUP</td>
<td>RPO 323</td>
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<td>GASOLINE TANK Meter UNIT GASKET - SOAK 2 HOURS - DRAIN</td>
<td>RPO 322</td>
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<td>377481</td>
<td>GM-4506-M (SEE DRWG)</td>
<td>ENGINE OIL (S.A.E. 50)</td>
<td>125 GAL</td>
<td>CARBURATOR AIR CLEANER - OIL BATH TYPE</td>
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<td>330816</td>
<td>GM-4673-M (SEE DRWG)</td>
<td>STEERING GEAR LUBRICANT</td>
<td>750 LB (MIN)</td>
<td>STEERING GEAR - THRU FILLER HOLE IN HOUSING</td>
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<td>3678367</td>
<td>GM-4653-M (SEE DRWG)</td>
<td>HYDRAULIC BRAKE FLUID (DELCO SUPER NO. 11 SAE 70W)</td>
<td>75 GAL</td>
<td>HYDRAULIC BRAKE SYSTEM</td>
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<td>80 GAL</td>
<td>HYDRAULIC BRAKE SYSTEM - VACUUM POWER BRAKE</td>
<td>RPO 413</td>
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<tr>
<td>5064327</td>
<td>SEE DRWG</td>
<td>GRAPHITE GREASE</td>
<td>5.5 LB</td>
<td>CLUTCH RELEASE BEARING COLLAR - SEE VIEW</td>
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<tr>
<td>375033</td>
<td>GM-4649-M (SEE DRWG)</td>
<td>SMOOTH TYPE CHASSIS LUBRICANT (PRESSURE GUN LUBRICANT)</td>
<td>100 LB</td>
<td>FRONT SUSPENSION UPPER CONTROL ARM BALL STUD ASSY - 1 FITTING EACH SIDE</td>
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<tr>
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<td>FRONT SUSPENSION LOWER CONTROL ARM BALL STUD ASSY - 1 FITTING EACH SIDE</td>
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<td>STEERING RELAY ROD - 1 FITTING</td>
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<td>STEERING TIE ROD ASSY - 3 FITTINGS EACH SIDE</td>
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<td></td>
<td>2ND &amp; 3RD IDLER LEVER SHAFT - BUSHING CONTACT SURFACES</td>
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<td></td>
<td></td>
<td>10 LB</td>
<td>COAT CLUTCH SHAFT ASSY &amp; CLUTCH FORK BALL STUD</td>
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<td>9 LB</td>
<td>BATTERY TERMINAL WASHER - COAT</td>
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<td>9 LB</td>
<td>DISTRIBUTOR - FILL GREASE CUP</td>
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<td>15 LB</td>
<td>FUEL PUMP PUSH ROD - LUBRICATE APPROX 1 INCH ON CAMSHAFT END</td>
</tr>
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</table>

A FOR USE ON JOBS THAT ARE DRIVEN AWAY
B TO PREVENT LEAKAGE OF BRAKE FLUID DURING SHIPMENT, THE QUANTITY SHOWN ABOVE IS APPROXIMATELY 50 CC LESS THAN REQUIRED TO FILL THE RESERVOIR

LUBRICATION
<table>
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<th>CHEV. NO.</th>
<th>SPEC. NO.</th>
<th>DESCRIPTION</th>
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<td>3715714</td>
<td></td>
<td>AUTOMATIC TRANSMISSION FLUID</td>
<td>1 625 GAL RPO 303 1082 GAL RPO 313</td>
<td>AUTOMATIC TRANSMISSION - TERI FILLER NECK ON RIGHT SIDE OF TRANSMISSION</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>1 396 GAL.</td>
<td>HYDRAULIC STEERING GEAR PUMP</td>
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<tr>
<td></td>
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<td>4 GALL.</td>
<td>PROPPELLER SHAFT TOKE - TRANSMISSION END</td>
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<tr>
<td>3898322</td>
<td>SEE DRWG</td>
<td>SPECIAL LUBRICANT</td>
<td>100 LB REG. PROD.</td>
<td>CLUTCH PEDAL RETURN SPRING - LUBRICATE BOTH ENDS</td>
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<tr>
<td></td>
<td></td>
<td>(LUBRILATE)</td>
<td>70 LB RPO 302 RPO 313</td>
<td>TRANSMISSION CONTROL LOWER ROD - BELL CRANK END ONLY</td>
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<td>TRANSMISSION CONTROL UPPER ROD - BELL CRANK END ONLY</td>
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<td>TRANSMISSION CONTROL ROD - TRANSMISSION END ONLY</td>
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<td>TRANSMISSION CONTROL ROD - 1ST &amp; REVERSE - UPPER END</td>
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<td>TRANSMISSION CONTROL CROSS SHAFT TO TRANSMISSION LEVER ROD - BOTH ENDS</td>
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**LUBRICATION**

4 WAS NOTE "A"

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<td>GM-4655-M</td>
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A. CAUTION: THIS LUBRICANT, IF PERMITTED TO STAND UNGUARDED FOR TWO WEEKS OR MORE, MUST BE THOROUGHLY AGITATED BEFORE USING IN REAR AXLES.

B. CONCENTRATED MATERIAL (AS PURCHASED) TO BE DILUTED WITH FROM FOUR TO EIGHT PARTS WATER FOR MOUNTING, AND FOR LUBRICATION OF MISCELLANEOUS PARTS DURING ASSEMBLY.
<table>
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<th>WHERE USED</th>
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<tr>
<td>3871556</td>
<td>GM-1897-M</td>
<td>RADIATOR ANTI-FREEZE (METHYLENE GLYCOL)</td>
<td>AS REQD. TO PROTECT TO MINUS 35° F. ALL PLANTS EXCEPT LOS ANGELES, OAKLAND, ATLANTA AND JANESVILLE. AS REQD. TO PROTECT TO MINUS 25° F. JANESVILLE.</td>
<td>WHERE USED</td>
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<tr>
<td>2883123</td>
<td>GM-1986-M</td>
<td>RADIATOR ANTI-FREEZE (METHANOL BASE)</td>
<td>AS REQD. ATLANTA PLANT ONLY. NOT USED WHEN AIR CONDITIONING (FOA-110) - (FOA-113) IS SPECIFIED.</td>
<td>WHERE USED</td>
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<td>183105</td>
<td>SEE DRWG</td>
<td>HEAT EXCHANGER</td>
<td>1000-CAPSULES</td>
<td>WHERE USED</td>
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<tr>
<td>3790089</td>
<td>SEE DRWG</td>
<td>COOLING SYSTEM SEALING COMPOUND</td>
<td>1000-PELLETS</td>
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<td>3140583</td>
<td>SEE DRWG</td>
<td>LIQUID WAX</td>
<td>AS REQD. - TARRATOWN, BALTIMORE, ST. LOUIS, FLINT, NORWOOD &amp; JANESVILLE</td>
<td>WHERE USED</td>
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</table>

**COOLING SYSTEM & WAX**

**QUANTITY SHOWN IS AMOUNT REQUIRED TO FILL COOLING SYSTEM TO WITHIN 1 INCH OF BOTTOM OF FILLER NECK AND IS QUART LESS THAN IS NEEDED TO FILL THE DRY SYSTEM TO THE OVERFLOW TUBE.**

**WHEN HEATER OR AIR CONDITIONING IS SPECIFIED, FULLY OPEN TEMPERATURE CONTROL VALVE FOR HEAT WHEN FILLING TO MINIMIZE TRAPPING OF AIR.**

**USED FROM SEPT. 1, 1968 TO MAR. 31, 1969.**

**COATING MAY BE APPLIED BY DIPPING, SPRAYING OR WIPING ON PLATED SURFACE. THE WAX SOLUTION MAY BE HEATED TO 120 DEGREES F. TO PERMIT MORE RAPID DRYING. WHEN DRY, THE WAX COATING MUST BE RUBBED INTO THE SURFACE TO BE EFFECTIVE.**

**MODELS**

- ALL
EVAPORATOR & BLOWER

MODELS ALL WITH V-8 ENGINE AUTOMATIC TRANS.

30-70 LBS. IN.
39-49 LBS. IN.

SELECT COOLING PIPES AGAINST RED-DIODE DIODES OF L - A - O - H - E.

3747338 SLEEVE

373609 BRACKET
316690 HOSE

512767 REINFORCEMENT

231895 BOLT 103286 LW

TO COMPRESSOR STRAIGHT PIPE

374634 SLICER (TYPE A TRANS.

EVAPORATOR ASSEMBLY
ON FENDER SHIRT

HOLE TWO 5/16 IN HOLE IN EXHIBIT DIAPHRAGM IN HEAD ON FENDER SHIRT.

TECHNICAL SERVICE

PASSenger CAR INSTRUCTION MANUAL

NAME

P.O.A

REVISION RECORD

AUTH DA CA

8-26-56

3736500

110 5.00

4-22-57 10 DRAWN 2714 DATE

REDRAWN

11 WAS 3138633
FOA WIRING DIAGRAM
SECTION 12

BLOCK ASSY.

FOA HARNESS ASSY.
ATTACH COLORS TO CORRESPONDING TERMINALS AS SHOWN ON JUNCTION BLOCK.

MODELS
ALL
WITH V-8 ENGINE
AUTOMATIC TRANS.

NAME
PASSOGER CAR INSTRUCTION MANUAL

REF.
DRAWN
CHECKED
F.O.A.
SHEET

2-11-57
RELEASED
7021

DATE
SYM.
REVISION RECORD
AUTH.
DR. CK.

1-10-57
PART No. 3736500

110
7.01
See lubrication chart.

**Fast Idle Rod and Tube Assy**

<table>
<thead>
<tr>
<th>Models</th>
<th>All with V-8 engine automatic trans.</th>
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<table>
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</table>

| 7-22-57 | 9 REDRAWN | 2822 | 8-7-56 | 3736500 |

### Notes
- 30 - 36 LBS. IN.
- 20 - 25 LBS. IN.
- 10 - 15 LBS. IN.
- 25 - 35 LBS. IN.
IN ORDER TO ASSURE PROPER OPERATION OF THE UNIT, THE FOLLOWING STEPS SHOULD BE TAKEN:

A. AFTER THE SYSTEM HAS BEEN INSTALLED, THE FOLLOWING CHECKS SHOULD BE MADE IN THE OPEN AIR OR A PLACE WITH ADEQUATE MOVEMENT OF FRESH AIR.

1. ALL REFRIGERATION CONNECTIONS SHOULD BE CHECKED WITH A LEAK DETECTOR OF THE ALCOHOL TORCH TYPE AS SUPPLIED BY FRIGIDAIRE. THE TORCH BURNS ONLY CLEAR ETHYL ALCOHOL AND A LEAK OF ONLY ONE POUND OF REFRIGERANT IN 15 YEARS CAN BE READILY DETECTED. WHEN OPERATING PROPERLY, THE FLAME IN THE LEAK DETECTOR BURNS WITH A CLEAR, ALMOST INVISIBLE FLAME, BUT WHEN A LEAK IS DETECTED, IT TURNS A BRILLIANT GREEN.

B. IN ORDER TO CHECK THE PROPER FUNCTIONING OF A COMPLETED JOB, PROCEED AS FOLLOWS:

1. CLOSE ALL CAR DOORS AND WINDOWS.
2. START ENGINE AND SET CARBURETOR TO RUN AT 1500 RPM, SET AIR CONDITIONING CONTROL TO COLDEST POSITION, BLOWER TO HIGH SPEED, AND SET CONTROL FOR INSIDE AIR, ALLOW ENGINE TO OPERATE FOR APPROXIMATELY 5 MINUTES OR UNTIL THERMOSTAT STOPS THE COMPRESSOR. WHILE ENGINE AND COMPRESSOR ARE OPERATING, CHECK THROUGH CLEAR SIGHT GLASS. PRESENCE OF AIR BUBBLES INDICATES INSUFFICIENT REFRIGERANT.

3. USING A TEMPERATURE TEST METER WITH A DIAL READING OF 60° TO 100°F. AND AT LEAST A TWO STATION SELECTOR SWITCH AND TWO JACKS WITH 12-1/2 FEET OF BULB WIRE, WE CAN CHECK TEMPERATURES AT TWO DIFFERENT POINTS BY MERELY TURNING THE SELECTOR SWITCH, WITH THE TWO LEADS CONNECTED TO THE METER, THE FREE END OF NUMBER ONE SHOULD BE PLACED IN THE RIGHT HAND DISCHARGE NOZZLE AND NUMBER TWO IN THE RE-CIRCULATING AIR OPENING IN THE DASH. THE FOLLOWING READINGS INDICATE SATISFACTORY OPERATION.

RETURN AIR #2 DISCHARGE AIR #1
70°F - 80°F, Max. 90°F,
80°F - 90°F, Max. 95°F,
90°F - 100°F, Max. 50°F.


4. SET ENGINE FOR SLOW IDLE, AND RUN FOR SEVERAL MINUTES TO CLEAN COMPRESSOR OF REFRIGERANT. PULL THROTTLE ROD OUT UNTIL THE ENGINE REACHES 900 R.P.M., BUTT GUIDE NEAREST DASH PANEL AGAINST SHEATH OF BOWDEN CABLE AND SECURE WITH SET SCREW.

C. THE HEATING SYSTEM CAN BE CHECKED BY THROWING THE HEAT SWITCH TO FULL ON POSITION AND CHECKING FOR WARM AIR.

INSPECTION & TEST PROCEDURE

<table>
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<tr>
<th>MODELS</th>
<th>ALL</th>
<th>WITH V-8 ENGINE</th>
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<tr>
<td>AUTOMATIC TRANS.</td>
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</table>
RADIATOR ASSY
3133044 RPO 221 3-SPEED & OVERDRIVE
3136158 RPO 223 AUTO TRANS TYPE A
3137077 RPO 223 AUTO TRANS TYPE B

3709605 OUTLET HOSE
END WITH LONGEST STRAIGHT SECTION MUST BE ASSEMBLED TO WATER PUMP

WATER PUMP INLET

3731661 SUPPORT ASSY

BOLT

FILLER PANEL

CLAMPS TO BE ASSEMBLED APPROX.
1/4 INCH FROM END OF HOSE

SUPPORT ASSY

3663823 DRAIN COCK

3663873 HOSE

VIEW A

MODELS
ALL

RADIATOR

NAME

PASSenger Car Instruction Manual

<table>
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DATE

SYN.

REVISION RECORD

AUTH. DR. CK.

3-15-57 8 REDRAWN

6-14-56 PART No. 3736500

8389
SEE LUBRICATION CHART

AIR CLEANER

<table>
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NOTE: No clearance required between manifold and tube assembly.

MODELs
ALL

OIL LEVEL GAUGE

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Part No. 3736500

Date 5-11-56
ENGINE ASSY
CLUTCH & FLYWHEEL HOUSING
3737705 GASKET
3731943 COVER
796303 GASKET
OIL PAN
112595 BOLT

MODELS
ALL

FILTER CAVITY

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7-31-56 RELEASED 8602 6-14-56
DATE 57M. REVISION RECORD AUTH. DR. OK
|
| PART No. 3736500 |
| 221 223 7.00 SHEET |
CARBURETOR ASSY
701131 3 SPEED - OVERDRIVE
7011224 AUTO TRANS

137406 CONNECTOR
GASOLINE PIPE ASSY

FILTER ASSY
854328
854391 - OPT

3719427 WASHER

120366 NUT
3704952 GASKET

LUBRICATE APPROX. 1 INCH ON CAMSHAFT END WITH CHASSIS LUBRICANT.

ENGINE BLOCK
3719599 PLATE
3704817 PUSH ROD

3705042 GASKET

3705044 GASKET

193936 SCREW ASSY. △

GASOLINE PIPE ASSY

SEE LUBRICATION CHART
ALL

CARBURETOR & FUEL PUMP

NAME
PASSENGER CAR INSTRUCTION MANUAL

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DATE | SYM. | REVISION RECORD | AUTH. | DR. | CK. |
TWIST SPRING AT FRONT END A MAXIMUM OF 1/2 TURN IN DIRECTION OF ARROW B TO MAKE SPRING LAY UP ON CARBURETOR LEVER. FRONT END OF SPRING WILL ASSEMBLE OVER OR UNDER FILLER TUBE BRACKET AS REQUIRED.

DASH PANEL
SAME AS REGULAR PROD.

WITH ACCELERATOR ROD A POSITIONED AS SHOWN ADJUST ROD B TO GIVE WIDE OPEN THROTTLE

VIEW A

MODELS
ALL LD

ACCELERATOR CONTROL

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| 7-17-57 | WAS 103373 | 681 |
| 7-31-58 | RELEASED | 8502 |
CLUTCH HOUSING BRACKET

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HOOD, NAME PLATE & ORNAMENT

MODELS
ALL

NAME PLATE
3733212 1500-2100
3733210 2400

ORNAMENT ASSY
3733685 1500-2100
3731673 2400

WARNING
1174584 NUT
8 1500-2100
445159 NUT
7 2400

WARNING
3705689
1500-2100
4460359
2400

PASSenger Car Instruction Manual
CARBURETOR TO TRANSMISSION LINKAGE ADJUSTMENT

TYPE B

TYPE A

SAME AS REGULAR PRODUCTION

ACCELERATOR

INTAKE MANIFOLD

SWIVEL

CARBURETOR

DASH PANEL
\textbf{OIL FILTER}

\textbf{SEE LUBRICATION CHART}

\begin{tabular}{|c|c|c|c|c|}
\hline
\textbf{NAME} & \textbf{REF.} & \textbf{DRAWN} & \textbf{CHECKED} & \textbf{R.F.O.} & \textbf{SHEET} \\
\hline
\hline
\textbf{OIL FILTER} & & & & & \\
\hline
\end{tabular}
AUXILIARY SEAT

MODELS
SEDAN DELIVERY

11/32 DIA. 4 HOLES IN FLOOR PANEL

.138 DIA. 8 HOLES IN FLOOR PANEL

REINFORCEMENT
FLOOR PANEL

HOLE LOCATIONS

BOLT WASHER NUT

REINFORCEMENT

NUT LW WASHER

FLOOR PANEL

CARPET CUT OUT ALONG PERFORATIONS PROVIDED FOR CLEARING SEAT SUPPORTS

Q OF CAR

7.40
2.50
18.06
2.50
30.56
44.04
38.84
9.32
2.20
18.90
4.50

NAME PASSenger CAR INSTRUCTIoN MANUAL

REF.

DRAWN

CHECKED

R. P. O.

SHEET

DATE

SYM.

REVISION RECORD

AUTH.

DR.

CK.

PART No.

3736500

263

100

7-31-56

RELEASED

8502

DATE

5-24-56

REF. 

V

F

263

100
ENGINE REAR MOUNTING

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RPO 313

Transmission Assy

Bolt heads must be against engine mountings

1 3722375 Bolt 103322 L.W.

103027 Nut 103322 L.W.

Mounting Assy L.H.
3725285 All except 2434
3729423 2434 Only

Mounting Assy R.H.
3725286 All except 2434
3729424 2434 Only

RPO 302

3746298 R.H. Mounting Assy
All except 2434

3746297 L.H. Mounting Assy
All except 2434
**SUGGESTED PROCEDURE**

**1.** PUT FILM OF LUBRICATION IN CRANKSHAFT BORE WHICH PILOTS CONVERTER COVER.

**2.** ALIGN BOLT HOLES IN FLYWHEEL AND CONVERTER.

**3.** INSTALL GUIDE PIN IN HOLE ON CONVERTER AT ACCESS HOLE A.

**4.** REMOVE CONVERTER SAFETY CLAMP (MAKE SURE THAT CONVERTER HAS NOT SLIPPED FORWARD).

**5.** ENTER TRANSMISSION HOUSING INTO PILOT ON FLYWHEEL HOUSING AND ASSEMBLE ONE BOLT ON EACH SIDE OF CENTER AT TOP.

**6.** PAY CONVERTER UPWARD USING SCREWDRIVER OR TAPERED TOOL THROUGH ACCESS HOLE A UNTIL CONVERTER PILOT ENTERS HOLE IN CRANKSHAFT.

**7.** REMOVE PIN FROM ACCESS HOLE A.

**8.** DRIVE FLYWHEEL TO CONVERTER BOLTS.

**9.** DRIVE FLYWHEEL HOUSING BOLTS.

**10.** DRIVE OIL FILLER PLUG INTO ACCESS HOLE A.

**11.** REASSEMBLE FLYWHEEL HOUSING COVER.

---

**SEE LUBRICATION CHART FOR FILLING INSTRUCTIONS**

**TRANSMISSION TO ENGINE**
ACCELERATOR CONTROLS ADJUSTMENT

MODELS
RPO 313
TRANSMISSION CONTROLS & ADJUSTMENT

SEE LUBRICATION CHART
TRANSMISSION CONTROL

MODELS
ALL

NAME | PASSENGER CAR INSTRUCTION MANUAL
--- | ---
R705 | 302
5503 | 313
5553 | 9.00
9603 | 9603

DATE | SYM. | REVISION RECORD | AUTH. | DR. CL.
--- | --- | --- | --- | ---
8-30-56 | 3-30-57 | 4 | NOTE REVISED | 1-7-57 | 1 | NOTE REVISED | 7-31-56 | RELEASED

R MAST JACKET & STEERING SHAFT

VIEW W-W
18-24 LBS. IN.

**SPEEOMETER HEAD ASSY**
1584619 RPO 313
1585502 RPO 302

**3733233 SEAL COVER**

**DASH PANEL**

**3713846 SEAL**

**FASTENER**

**HORIZONTAL Q.**

**LEVER POSITIONS**
RPO 313 ONLY
RPO 302 ONLY

**SPEEOMETER CABLE**

**3737424 INDICATOR ROD**
SHORTEN OR LENGTHEN "S" BEND AS REQUIRED TO CORRECTLY ALIGN THE SHIFT POSITION POINTER

**CLIP**
3703451
3704138

**STARTER MOTOR WIRING HARNESS**

**STEERING GEAR JACKET**

**VIEW A**

**186431 SCREW**

**SAFETY SWITCH ASSY.**
1999173 R.P.O. 313
1999174 R.P.O. 302

**RECOMMENDED PROCEDURE FOR INSTALLATION**
1. POSITION GEAR SHIFT IN NEUTRAL POSITION.
2. LOCATE CONTACT SUPPORT BETWEEN THE TWO .093/.097 DIA. HOLES IN THE BRACKET BY INSERTING GAGE WITH PARALLEL LOCATED GUIDE PINS (.090 MIN. DIA.) TO A MIN. DEPTH OF .250 INCHES TO HOLD CONTACT SUPPORT IN DESIGN LOCATION DURING INSTALLATION.
3. PLACE THE CONTACT SUPPORT DRIVE SLOT OVER THE SHIFTER TUBE DRIVE TANG & TIGHTEN MOUNTING SCREWS.

**AT NO TIME SHOULD THE VEHICLE MOVE OF ITS OWN VOLITION WHEN THE IGNITION SWITCH IS IN "START" POSITION AND THE SHIFT SELECTOR LEVER INDICATES "P" OR "N".**

**VIEW-SAFETY SWITCH WIRING**

**VIEW B**

**CONTACT SUPPORT DRIVE SLOT-ARM MOVES CONTACT SUPPORT (AN INTERNAL PART)**

**MODELS**
ALL

**TRANSMISSION CONTROL**

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## Transmission Overdrive

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**Models**

V-8
AFTER THROTTLE LINKAGE HAS BEEN ADJUSTED, ADJUST KICKDOWN SWITCH A SO THAT BRACKET ON ROD B AT FULL THROTTLE POSITION RESTS AGAINST END OF THREADED BARREL OF SWITCH.
3711382 BRACKET ADJUST SO THAT SWITCH CENTERS ON LEVER WHEN ACTUATED

KICKDOWN SWITCH ASSY

CARBURETOR

ROD

KICKDOWN SWITCH

ACTUATING LEVER

LEVER

SAME AS REGULAR PRODUCTION

ACCELERATOR PEDAL (FULL THROTTLE POSITION)

AFTER THROTTLE LINKAGE HAS BEEN ADJUSTED, ADJUST KICKDOWN SWITCH A SO THAT ACTUATING LEVER B AT FULL THROTTLE POSITION RESTS AGAINST END OF THREADED BARREL OF SWITCH

VIEW A

450633 SCREW
120423 LW
134551 NUT

VIEW B

TO KICK DOWN SWITCH

MODELS

V-8

KICKDOWN SWITCH
**Electric Windshield Wiper**

- **RPO 351-352**
- **RPO 410-411**

**RPO 351 (V-8)**

- **276/155 Connector** (used with RPO 411 only)
- **Assembly to Carburetor Before Assembling Carburetor to Engine**

**RPO 411 (V-8)**

- **218/111 Connector** (used with RPO 502 only)

**View A**

- **Showing Connection of Control Cable & W/S Wiper Motor**

**Models**

- **ALL**
MANIFOLD

LOCATE REAR EDGE OF SHIELD IN LINE WITH REAR FACE OF GROMMET RETAINER
R.P.O. 410

NOT USED WITH AUTO. TRANS.
R.P.O. 302
3715008 SHIELD ASSY.

106320 BOLT
103319 LW
114501 NUT

3743218 SHIELD ASSY

R.P.O. 221-223

MODELS
ALL

Hose Shields

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POWER STEERING BLEEDING INSTRUCTION

A OR B OPTIONAL

A BENCH

REFER TO RPO 324, SHEET 1.00

1. LINKAGE UNIT TO BE COMPLETELY ASSEMBLED INCLUDING INLET AND OUTLET HOSES
2. CONNECT THE AUTOMATIC TRANSMISSION FLUID SUPPLY UNDER PRESSURE TO OUTLET HOSE ASSEMBLY, PLACE INLET IN A RECEPTACLE THAT WILL CATCH ANY OIL THAT MAY BE FORCED OUT.
3. OPERATE VALVE BY MOVING THE PITMAN ARM BALL STUD AND MAKE AT LEAST ONE COMPLETE STROKE OF THE PISTON WITH VALVE IN EACH POSITION.
4. SYSTEM WILL BE BLED WHEN A CLEAR STREAM OF FLUID WITHOUT AIR BUBBLES COMES OUT OF THE INLET HOSE.

B ON THE COMPLETED VEHICLE

1. JACK UP CAR UNTIL FRONT WHEELS ARE CLEAR.
2. FILL PUMP WITH FLUID.
3. RUN ENGINE 5 TO 10 SECONDS WITH WHEELS IN STRAIGHT AHEAD POSITION
4. REFILL PUMP WITH FLUID.
5. RUN ENGINE FOR A FEW SECONDS AND TURN WHEELS IN BOTH DIRECTIONS AGAINST STOPS.
6. REFILL PUMP WITH FLUID.

IT IS VERY IMPORTANT THAT THE WHEELS BE OFF OF THE GROUND WHEN BLEEDING, SINCE UNDER LOADED CONDITIONS THE OIL IS INJECTED INTO THE CYLINDERS UNDER EXTREMELY HIGH PRESSURE AND WILL CAUSE FOAMING. THIS CONDITION CAN BE DETECTED BY THE PUMP BEING NOISY. THE AIR WILL BLEED OUT AFTER 2 TO 3 HOURS OF STANDING.

MODELS

ALL

HYDRAULIC STEERING BLEEDING

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CHASSIS WIRING HARNESS CLIPS
V-8 HARNESS ROUTING
6 CYL HARNESS ROUTING

CONNECTOR (BY FISHER)

CLIP WELDED TO STEERING COLUMN BRACE
(CLOSE CLIP AFTER INSERTING WIRE ASSY)

2687248 WIRE ASSY (V-8)
2687247 WIRE ASSY (6 CYL.)

BATTERY CABLE
BATTERY TERMINAL

B

BATTERY CABLE
BATTERY TERMINAL

VIEW B
V-8 ONLY

MODELS
ALL

SEAT ELECTRICAL CONTROL

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DATE SYM. REVISION RECORD AUTH. DR. CK. 5-15-56 3736500
CARBURETOR LINKAGE ADJUSTMENT

MODELS
RPO 410-ALL
RPO 411-ALL EXCEPT SEDAN DELIVERY

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See lubrication chart

Brake Line, Hose & Vacuum Tank
FUEL INJECTION - AIR INLET

MODEL
ALL EXCEPT SEDAN DELIVERY

PART NO. 3736500

DATE 3-30-57

REVISED 125

APPROVED 3-71

578 2.02
125105 CLIP, HELD IN PLACE BY LOWER INBOARD LW & NUT FASTENING MASTER CYLINDER TO DASH (SECT. 5)

VOLTAGE REGULATOR MOUNTING HOLES

EXTENSION WIRING HARNESS

3742855 HOSE
3881724 HOSE

CONNECTOR ASSY. POSITION. FOR R.P.O. 302 SEE SHEET 2.00

INTAKE MANIFOLD

3742853 BOOSTER ASSY

GROUND LEAD

BLACK LEAD - TO BOOSTER ASSY

STARTER MOTOR HARNESS

COLOR - RED

3742854 MOTOR ASSY

VIEW A

ALIGN HOLES VERTICALLY SO THAT LOWER HOSE WILL NOT INTERFERE WITH THE CLIP IN THE FENDER SKIRT

VIEW D

HOSE TO WIPER MOTOR

FUEL INJECTION - WINDSHIELD WIPER

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MODELS
ALL EXCEPT SEDAN DELIVERY
3 SPEED ADJUSTMENT

1. WITH ACCELERATOR ROD (H) POSITIONED AS SHOWN ADJUST ROD (G) TO GIVE WIDE OPEN THROTTLE.

AUTOMATIC TRANSMISSION ADJUSTMENT

1. LOOSELY ASSEMBLE LEVER (B) TO CLAMP (A).

2. INSERT GAUGE BETWEEN TRANSMISSION LEFT HAND SIDE COVER LOWER FRONT BOLT AND HOLE IN LEVER (B) (3.60 DIMENSION BETWEEN BOLT AND HOLE CENTERLINES). WITH GAUGE IN PLACE AND HOLDING CLAMP (A) COUNTER CLOCKWISE IN FULL DETENT POSITION, TIGHTEN LEVER (B) TO CLAMP (A). REMOVE GAUGE.

3. INSTALL ROD ASSY (C).

4. INSTALL ROD (E) IN CROSS SHAFT ASSY (D). PLACE LEVER (F) IN WIDE OPEN POSITION AND PULL ROD (E) FORWARD UNTIL IT IS STOPPED BY TRANSMISSION INTERNAL STOP. ADJUST SWIVEL IN ROD (E) FOR EASY ENTRANCE IN LEVER (F) BEFORE FIXING SWIVEL IN LEVER (F).

5. CHECK ADJUSTMENT BY PLACING LINKAGE IN IDLE POSITION, THEN RETURN TO WIDE OPEN POSITION BY ROTATING LEVER (F). PUSH UPWARD ON LEVER (B) AND NOTE IF ROD (C) DEFLECTS, MEANING TRANSMISSION IS NOT ON INTERNAL STOP. IF ROD DEFLECTS, OR LEVER (F) WILL NOT REACH WIDE OPEN POSITION, REPEAT ADJUSTMENT 4.

6. WITH ACCELERATOR PEDAL DEPRESSED, PLACING LOWEST POINT ON ACCELERATOR ROD THE SAME DISTANCE ABOVE THE TOP PANEL AS REGULAR PRODUCTION, AND LEVER (F) ROTATED TO WIDE OPEN POSITION, ADJUST SWIVEL IN ROD (G) FOR FREE ENTRY INTO LEVER (F) BEFORE FIXING SWIVEL TO LEVER (F).

7. CHECK ADJUSTMENT BY RELEASING, THEN DEPRESSING ACCELERATOR PEDAL. CHECK LEVER (F) FOR WIDE OPEN POSITION. IF LEVER (F) WILL NOT REACH WIDE OPEN POSITION, REPEAT STEP 6.

MODELS
ALL EXCEPT SEDAN DELIVERY

FUEL INJECTION - LINKAGE ADJUSTMENT

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DATE SYM. REVISION RECORD AUTH. DR. CK.
4-12-57 1 10-22-58 3 10-2-58 3736500
WIRE TO TOP TERMINAL OF RESISTOR FROM IGTION TERMINAL ON REGULATOR. THIS WIRE IS NOT TO BE USED WHEN AUXILIARY RELAY RECTIFIER IS EMPLOYED

WIRE - D.C. LEAD OF AUXILIARY RELAY RECTIFIER TO IGTION TERMINAL ON REGULATOR. USED ONLY WHEN AUXILIARY RELAY RECTIFIER IS EMPLOYED.

AUXILIARY RELAY RECTIFIER NEVER USED WITH LAG-169 AMMETER. USED ONLY WITH SEN. TELL-TALE

GO AHEAD RECTIFIER LEADC OVERHEAD IN HOOD MOUNTED POSITION SHOWN IS FOR BOTH 6 CYL. CARS WHEN USING ABOVE RECTIFIER.

SPLICE, SOLDER, AND TAPE EXISTING HOLES (USE FOR OVERDRIVE)

SPICE, SOLDER, AND TAPE (APPROX.)

WARNING LIGHT TO BE LOCATED ON R. H. SIDE OF STEERING COLUMN

5 1/4 (FROM RADIATOR FRONT)

2 Holes 35

NOTE: PLATES OF RECTIFIER MUST NOT TOUCH ANY METAL. CHECK BEFORE DRILLING

FOR USE IN CONJUNCTION WITH DEVIATION ON 3736500

DEVIATIONS FOR L.P.O. 1001
1937 PASS.

AMMETER UNIT-DOOR OPEN WARNING LAMP WIRING

MODELS 1508-1513