



SERVICE BULLETIN



SERVICE DEPARTMENT... CHRYSLER-PLYMOUTH DIVISION
CHRYSLER MOTORS CORPORATION

TECHNICAL INFORMATION ON ☒ IMPERIAL ☒ CHRYSLER ☒ PLYMOUTH ☐ VALIANT

In order to make Chrysler Corporation Dealers competitive with transmission rebuilders and other transmission service stations, we have made available, service replacement precision bushings for the 1957 through 1961 Torque Flite automatic transmissions used on 8 cylinder cars. These bushings have been made available to prevent the needless replacement of a major component part of a transmission, if bushings only should require replacement and the original part containing the bushings can be reused.

This will not only increase the volume of transmission service repairs but will also reduce the cost to owners if major transmission service should become necessary.

Part numbers of the new precision bushings are as follows:

| Part Name | Bushing Part Number | Applicable To Transmissions Built From |
|----------------------------|---------------------|--|
| Reaction Shaft (Cast Iron) | 2400541 | 1958 thru 1961 |
| Input Shaft | 2400542 | 1958 - 1961 |
| Intermediate Support | 2400543 | 1958 - 1961 |
| Front Pump Housing | 2400544 | 1956 - 1961 |
| Output Shaft | 2400545 | 1959 - 1961 |
| Overrunning Clutch Hub | 2400546 | 1958 - 1961 |
| Reverse Sun Gear | 2400712 | 1956 - 1961 |

The Miller Tools that have previously been released for servicing other parts of Chrysler cars have been tried and proven satisfactory for removing and replacing the service replacement precision bushings.

(Over)

November 21, 1962

No. 63-29

TRANSMISSION

PRECISION BUSHING REPLACEMENT

ALL 1957
THROUGH 1961
IMPERIAL,
CHRYSLER
AND
PLYMOUTH
8 CYLINDER
CARS
EQUIPPED
WITH
AUTOMATIC
TRANSMISSION

P-4790-C

| | |
|--------------|--|
| Service Mgr. | |
| Shop Foreman | |
| Technicians | |
| Parts Mgr. | |
| Partsmen | |

These tools are as follows:

- SP-3006 - from Camshaft Bearing Set C-3132-A.
- C-328-8 - King Pin Bushing Remover and Installer.
- C-3095 - Pinion Bearing Installer - 8 3/4" axle.
- C-3275 - Extension Housing Bearing Remover and Driver from Set C-3343. This tool can be used optional with Tool SP-3551 - Front Pump Housing Bushing Remover and Installer from Set C-3887.
- C-3556 - Installer - Lower Control Arm Shaft Bushing.
- C-3753 - Transmission Mainshaft Seal Remover A-903 - A-904 Transmission.
- C-3611 - Power Steering Pump Shaft Seal Remover.
- C-3867 - Installer Upper and Lower Ball Joint Seals.
- C-3898 - Transmission Drive Shaft Seal Rubber Removing Tool.

The above tools can be used in the following applications:

1. Front Pump Housing Bushing, Part No. 2400542

Use Tool SP-3551 - from tool set C-3887 or tool SP-3006. Place the tool squarely on the bushing and drive the bushing straight down and out of the pump housing bore.

To install the new bushing, lightly tap the bushing squarely into the bore and use tool C-3898 for installation, using an arbor press.

2. Reaction Shaft Bushing, Part No. 2400541

Use Tool C-3753 - Transmission Mainshaft Seal Remover. Place a piece of bar stock approximately 2 inches long in the reaction shaft for the puller screw to bottom on, then remove the bushing.

To install, slide the new bushing over the handle of Tool C-3275 using the chamfered side of the tool, to press the new bushing into place.

3. Input Shaft Bushing, Part No. 2400542.

Use Tool C-3611 Power Steering Pump Shaft Seal Remover. Place a piece of bar stock approximately 3 1/2 inches long in the input shaft for the puller screw to bottom on, then remove the bushing.

To install the new bushing, line up the oil holes in the bushing with the oil hole in the shaft, then lightly tap the new bushing squarely into the input shaft bushing bore. Use a piece of 1/16 inch wire as a probe in the input shaft oil hole to make certain the oil hole in the new bushing is in exact alignment, then press the bushing into place using Tool C-328-8.

4. Overrunning Clutch Hub Bushing, part No. 2400546

Use Tool C-3095 - Pinion Bearing Installer 8 3/4 inch axle. Place the tool squarely over the bushing and press the original bushing out of the clutch hub.

To install, lightly tap the new bushing squarely in the hub and press into place with Tool C-3095.

5. Intermediate Support and Cam Bushing, Part No. 2400543

Use Tool C-3867 ball joint seal installer to support the cam, then press out the bushing with Tool SP-3006.

To install the new bushing line up the oil hole in the bushing with the hole in the support, then lightly tap the new bushing squarely in the support and making sure the oil hole in the bushing lines up with the oil hole in the support, then press the bushing into the support, using Tool SP-3006. The bushing should be approximately 1/8 inch below the hub with the oil holes in exact alignment.

6. Output Shaft Bushing, Part No. 2400545

Use Tool C-3611 - Output Shaft Seal Puller. Place a piece of bar stock approximately 1 3/4" x 7/8" in the output shaft to bottom the puller screw. Then with Tool C-3611 remove the bushing.

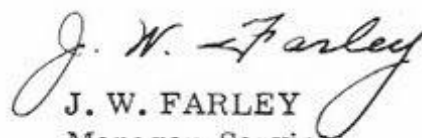
Scribe a line on the bushing and the output shaft to line up the oil holes in both parts. With the bushing squarely on the output shaft, slowly press into place with Tool C-328-8 watching the oil hole line up, also using a piece of 1/16 inch wire as a probe through the small hole in the shaft to make certain the holes are lined up.

7. Reverse Sun Gear Bushing, Part No. 2400712

Due to the infrequent necessity of replacing this bushing, tools were not tried for removal and installation. However, if it is desired to service this bushing, special Tools SP-3735 and SP-3739 - Remover and SP-328-52 - Installer are available from Miller Manufacturing Company.

The part numbers listed in this bulletin are stock code class 'P'.

POLICY: INFORMATION ONLY.


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