# SECTION 307-01  Automatic Transaxle/Transmission — 6R80

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IN-VEHICLE REPAIR
Output Shaft Seal
Special Tool(s)

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<td>Remover, Input Shaft Oil Seal</td>
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Material

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<td>Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLV</td>
<td>MERCON® LV</td>
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Removal

1. With the vehicle in PARK, position it on a hoist. For additional information, refer to Section 100-02.

2. Remove the driveshaft. For additional information, refer to Section 205-01.

3. NOTE:
   The output shaft flange nut has been staked to prevent it from coming loose. Prior to removing the nut, remove the stake to prevent damage to the output shaft.

   Remove and discard the output shaft flange nut.

4. Remove the output shaft flange.

Item | Part Number | Description
--- | --- | ---
1 | 7045 | Output shaft flange nut
2 | 7052 | Extension housing flange seal
3 | 7089 | Output shaft flange
4 | 7052 | Output shaft seal
5 | 7N357 | Slip plane washer

80 Nm (59 lb-ft)
5. Using the Input Shaft Oil Seal Remover and Slide Hammer, remove the output shaft seal.

Installation

1. Position a new output shaft seal.

2. Using the Rear Seal 4X2 Installer, install the output shaft seal.

3. Inspect the output shaft flange seal for damage and install a new seal if damaged. Install the output shaft flange.
4. Install a new output shaft flange nut.
   • Tighten to 80 Nm (59 lb-ft).
   • After installing the new output shaft flange nut, it must be staked at the slots to prevent it from coming loose.

5. Install the driveshaft. For additional information, refer to Section 205-01.

6. Fill and check the transmission fluid. For additional information, refer to Transmission Fluid Level Check in this section.