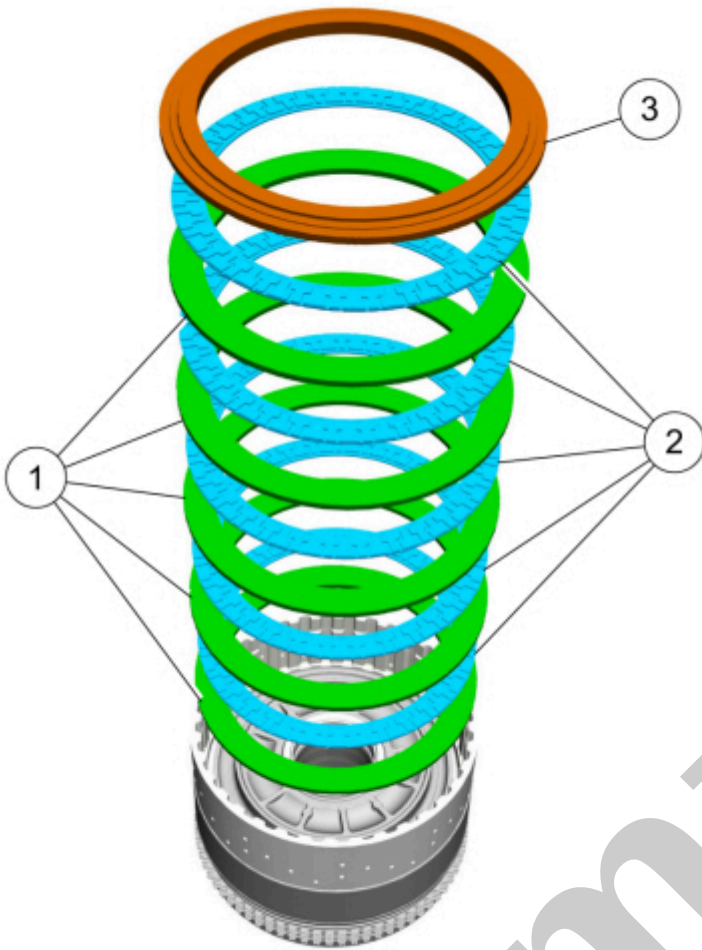


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E243459

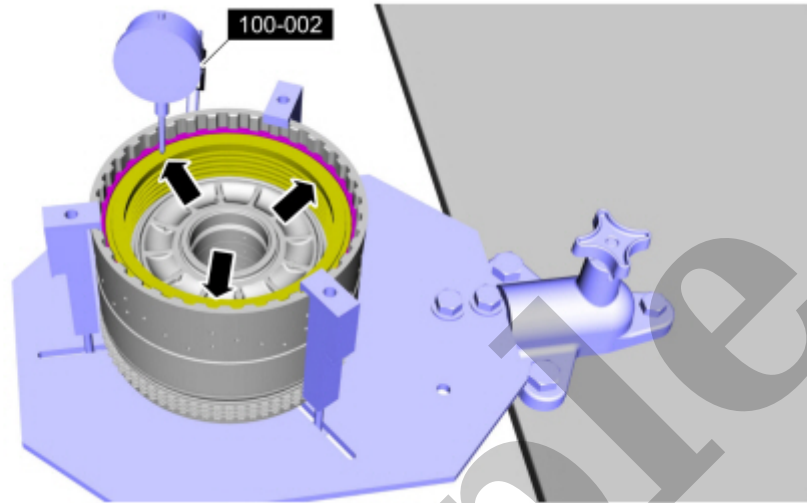
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160. Install the C clutch snap ring.

compare the measurement to the clutch clearance chart in specifications to determine the correct size snap ring. Install the correct C clutch snap ring.

Refer to: [Specifications](#)(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Specifications).

Use Special Service Tool : 100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge



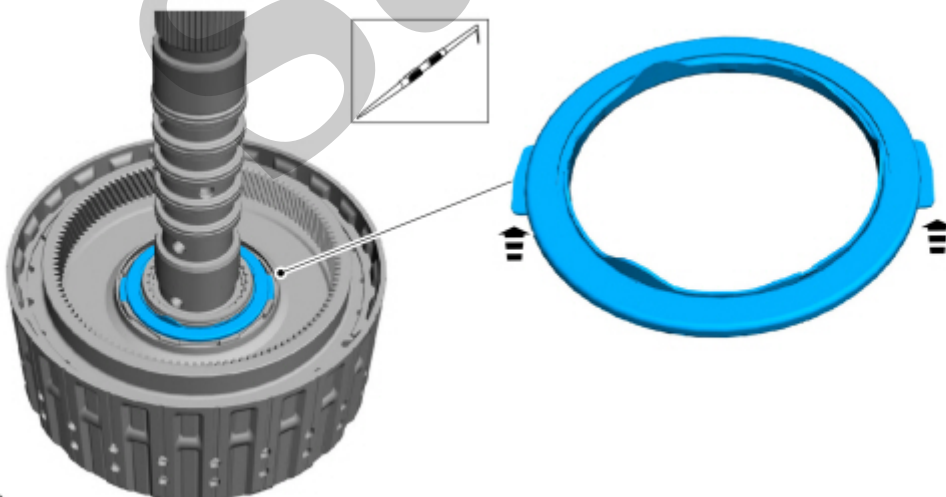
E243471

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163. **NOTE**

Pry up from the 2 tabs to prevent the bearing from separating.

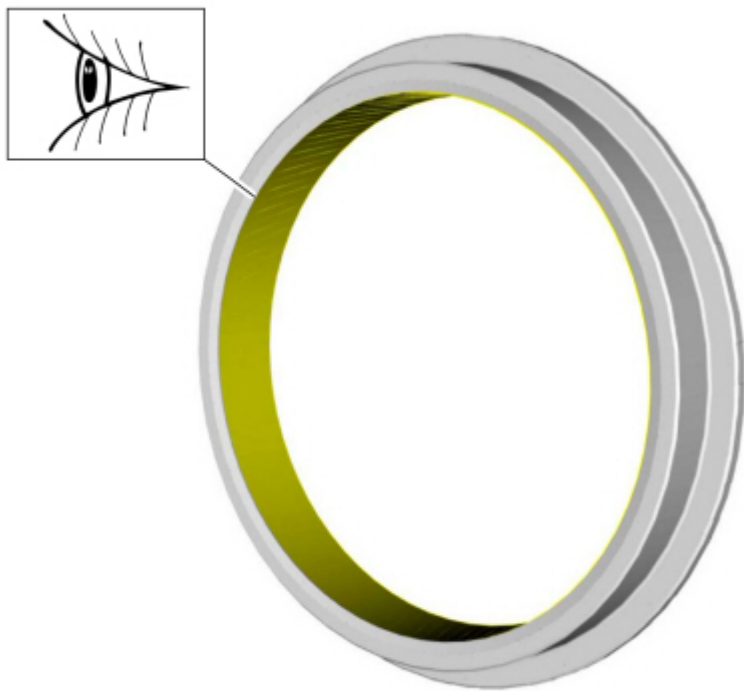
Remove the (T6) thrust bearing.



E298016

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166. Inspect the No. 3 ring gear.

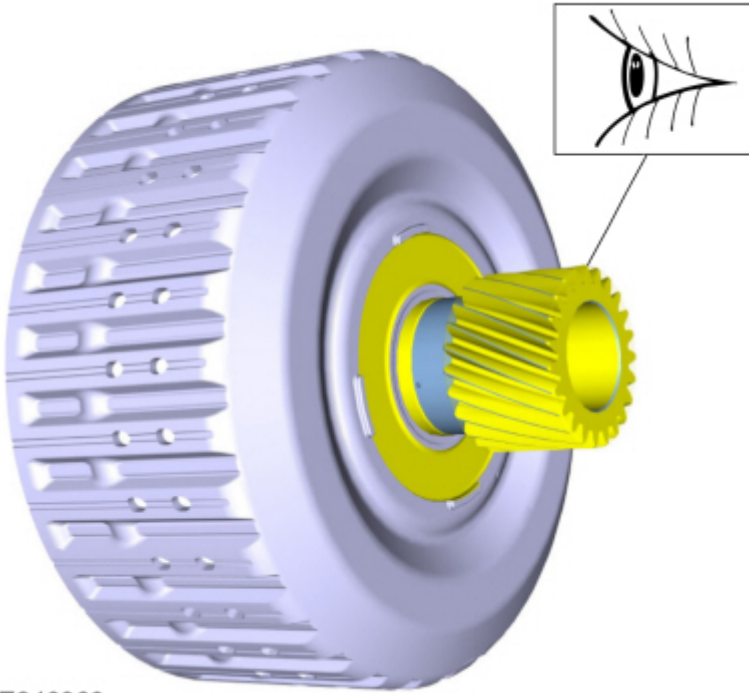


E246359

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167. Remove the input shaft and the E clutch from No. 4 shell and sun gear.

Sample



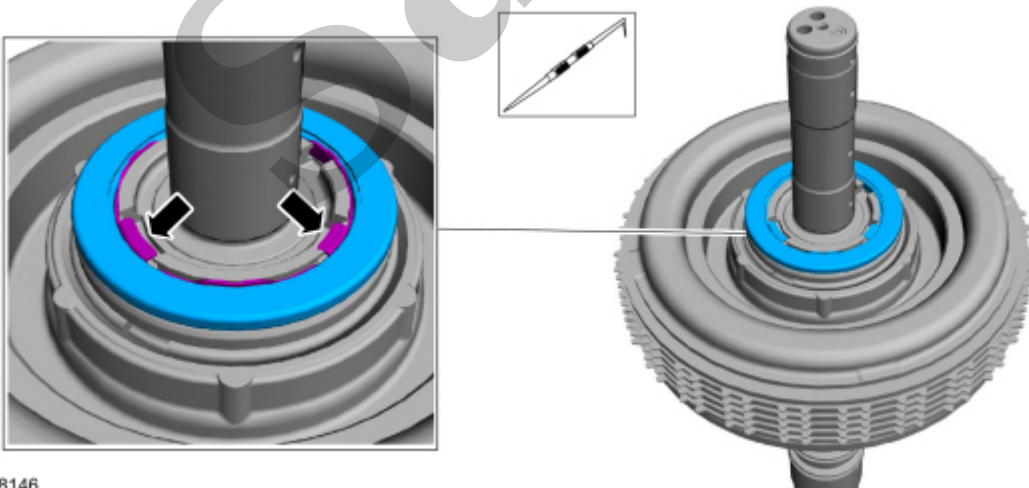
E246363

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

169. **NOTE**

Pry up from the 2 tabs to prevent the bearing from separating.

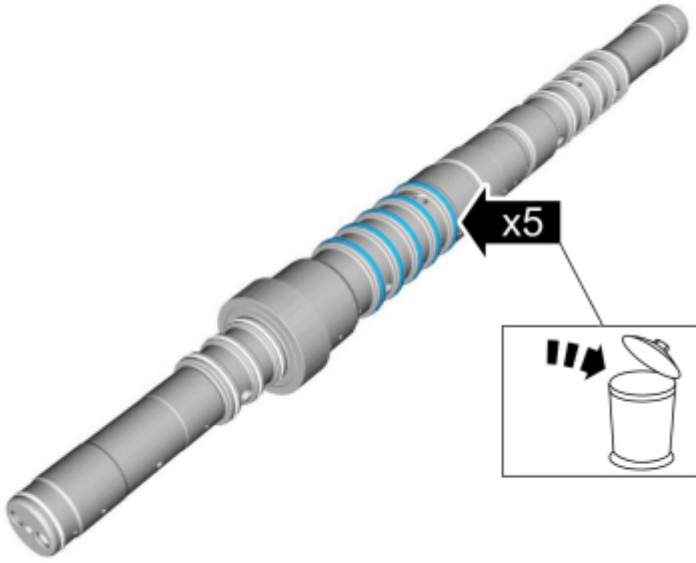
Remove the (T7) thrust bearing.



E298146

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170. Remove the snap ring and remove the input shaft from the E clutch assembly.



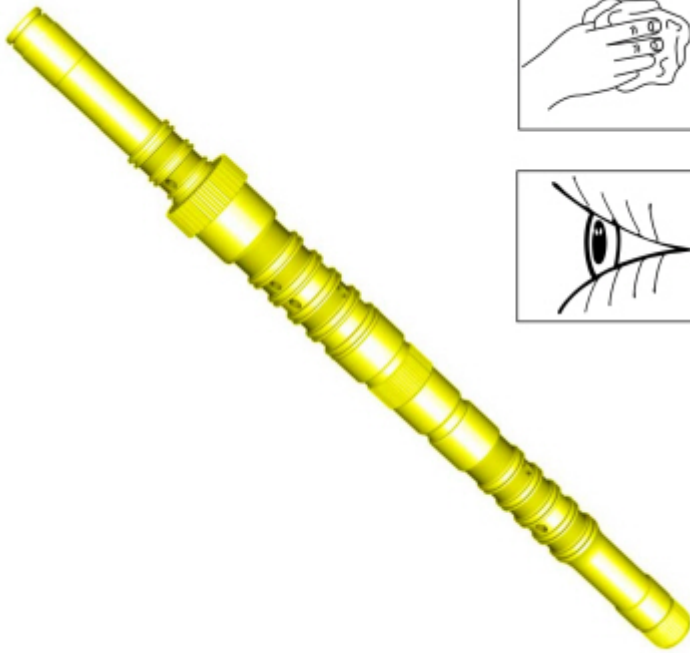
E256178

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172. **NOTE**

The input shaft may contain D-ring or O-ring E clutch seals, depending on the production level of the transmission.

Remove and discard the input shaft D-ring or O-ring seals.



E246436

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175. **NOTICE**

Do not compress the balance dam too far or damage to the E clutch hub can occur. Only compress the E clutch hub far enough to remove the retainer.

Using the special tool and a press, compress the E clutch balance dam and remove the retainer.

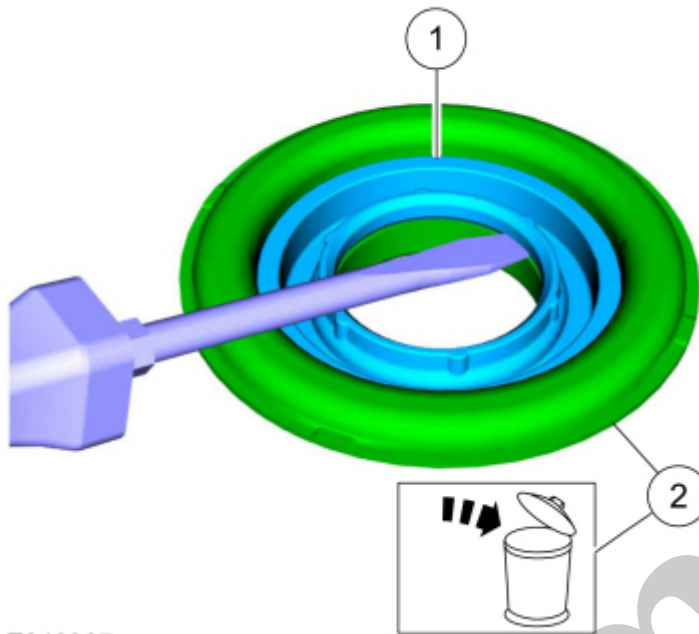
Use Special Service Tool : 307-741 Spring Compressor, F Clutch

Use the General Equipment: Hydraulic Press

177. Remove the E clutch balance dam and discard the E clutch piston.

1. E clutch balance dam

2. E clutch piston

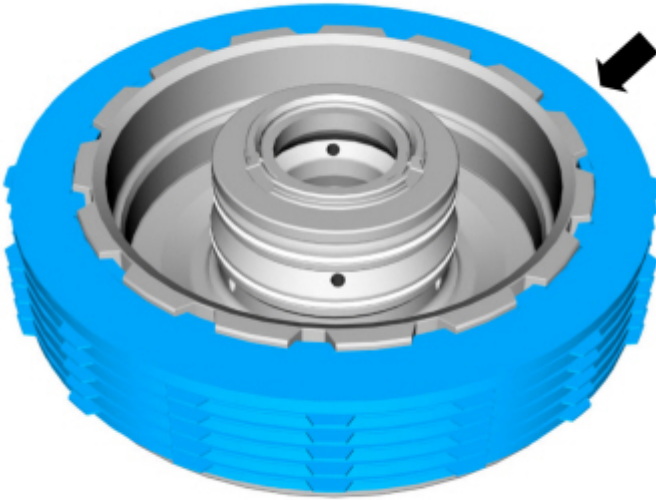


E243987

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178. Remove and discard the E clutch balance dam outer seal.

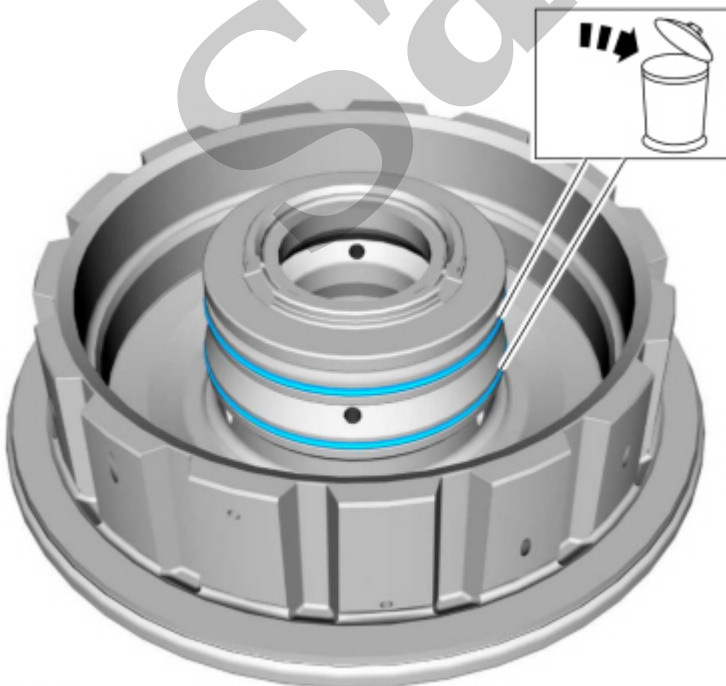
180. Remove the E clutch assembly. Inspect the clutch plates for excessive wear or damage. If the clutch plates are excessively worn or damaged replace as necessary. If the clutch plates are not excessively worn or damaged, they can be reused.



E243990

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181. Remove and discard the E clutch piston and balance dam inner seals.



E246375

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184. **NOTE**

Clutch plate quantity is model dependant based on engine displacement.

Soak the E clutch plates in clean transmission fluid. Install the E clutch assembly.

1. Pressure plate (select fit)
2. Friction plates

Material : Motorcraft® MERCON® ULV Automatic Transmission Fluid / XT-12-QULV (WSS-M2C949-A,) (MERCON® ULV)

3. **NOTE**

Align the inner splines of the steel plates with the pressure plate internal splines.

Steel plates

4. Apply plate (2.9-3.0)