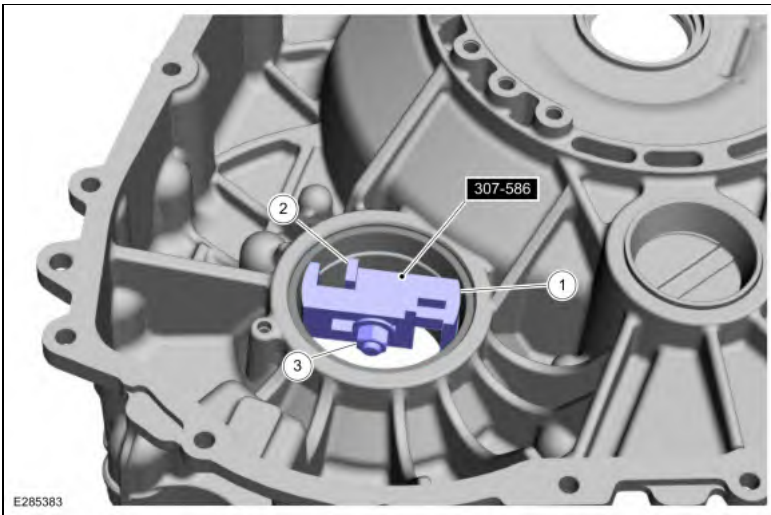
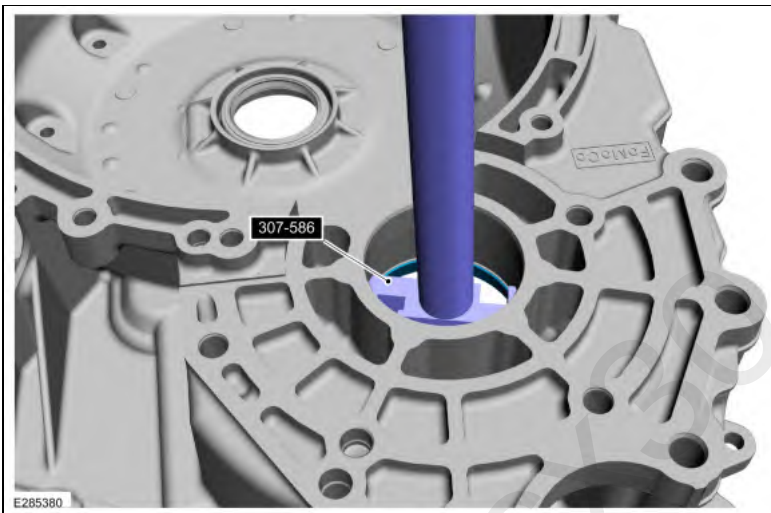
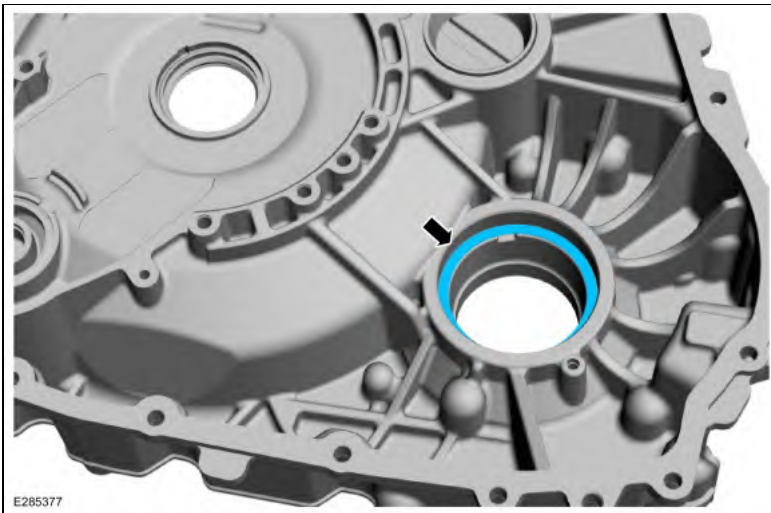




4. Using the general equipment, press the differential bearing cup out of the torque converter housing.
 Use Special Service Tool: 307-586 Differential bearing cup remover.
 Use the General Equipment: Hydraulic Press

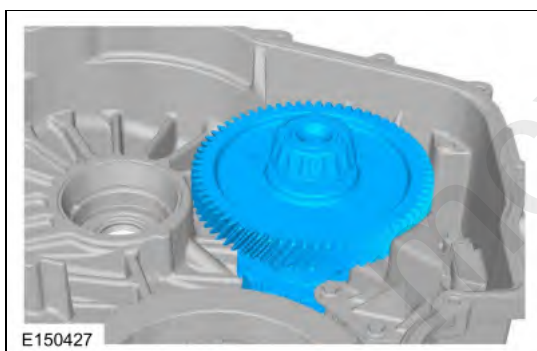


5. Remove the differential bearing preload shim.

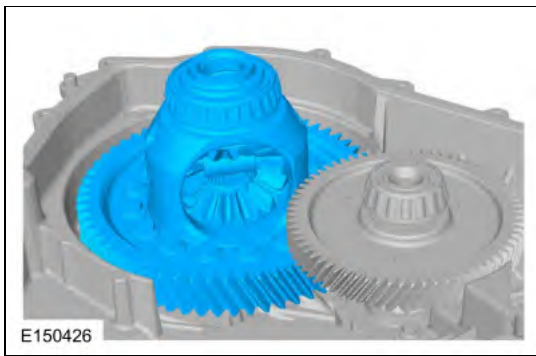


ASSEMBLY

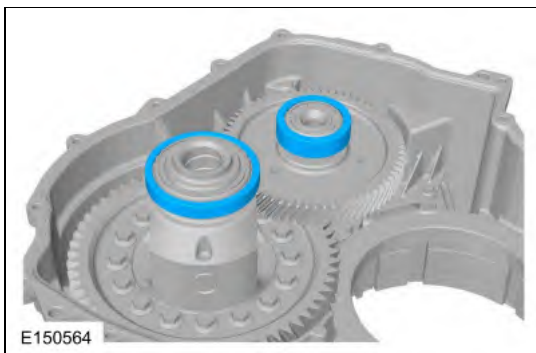
1. Temporarily install the transfer shaft in the transmission case.



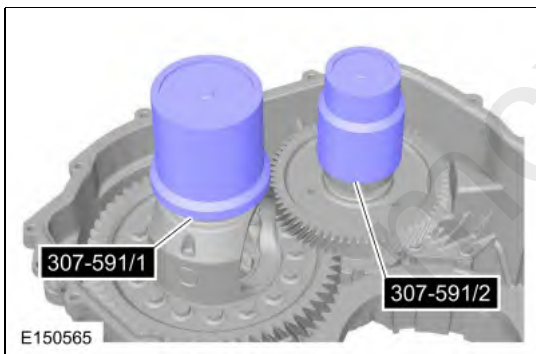
2. Tilt the transfer shaft and gear assembly over and temporarily install the differential assembly.



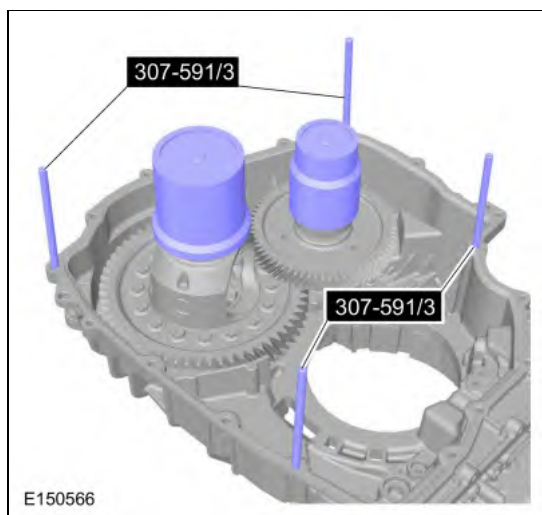
3. Install the differential and transfer shaft bearing cups on the bearings.



4. Install the special tools, on the differential and transfer shaft bearing cups.
Use Special Service Tool: 307-591 Shim Gauge, Differential/Transfer Gear Bearing.

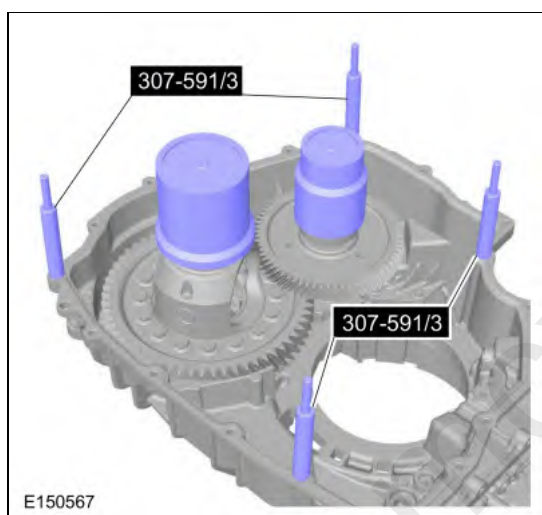


5. Install the special tools, in the transmission case to align the torque converter housing. Use Special Service Tool: 307-591 Shim Gauge, Differential/Transfer Gear Bearing.

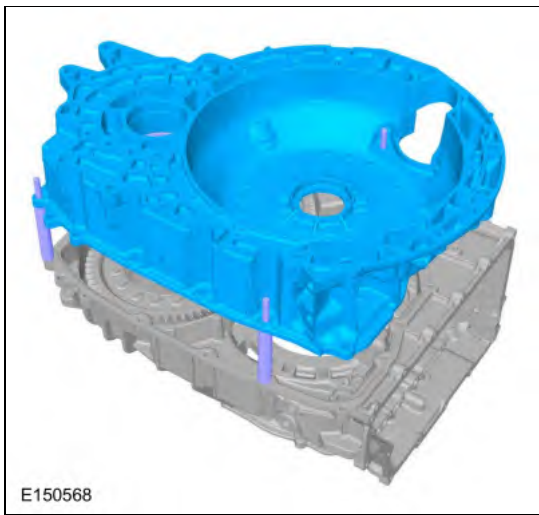


6. **NOTE:** Make sure that the silicone has been cleaned off the machined surface of the transmission case and the torque converter housing before installing the Differential/Transfer Gear Bearing Shim Gauge 307-591/3 (4 spacers) or the preload measurement may be inaccurate.

Install the special tools, on the studs to space the torque converter housing from the transmission case.
Use Special Service Tool: 307-591 Shim Gauge, Differential/Transfer Gear Bearing.

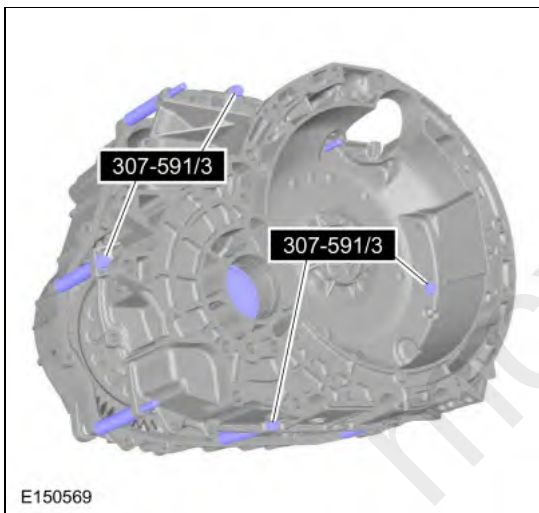


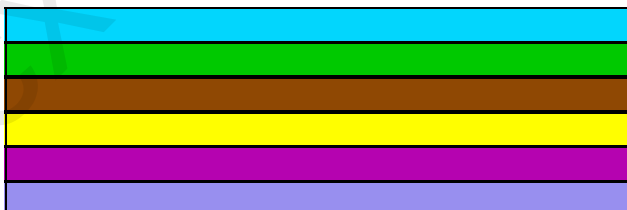
7. Position the torque converter housing on the special tools.





8. Install the remaining spacers, bolts and washers.
 Use Special Service Tool: 307-591 Shim Gauge, Differential/Transfer Gear Bearing.
Torque: 18 lb.ft (24 Nm)



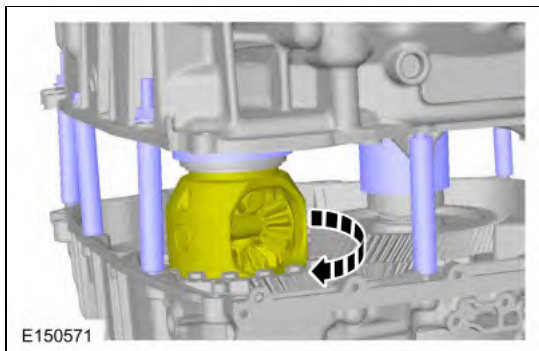


9. Install the nuts and washers on the studs.
 Use Special Service Tool: 307-591 Shim Gauge, Differential/Transfer Gear Bearing.
Torque: 18 lb.ft (24 Nm)

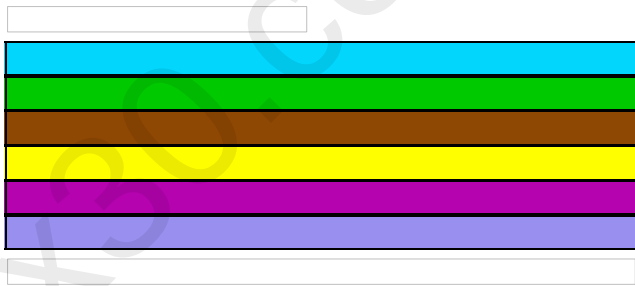
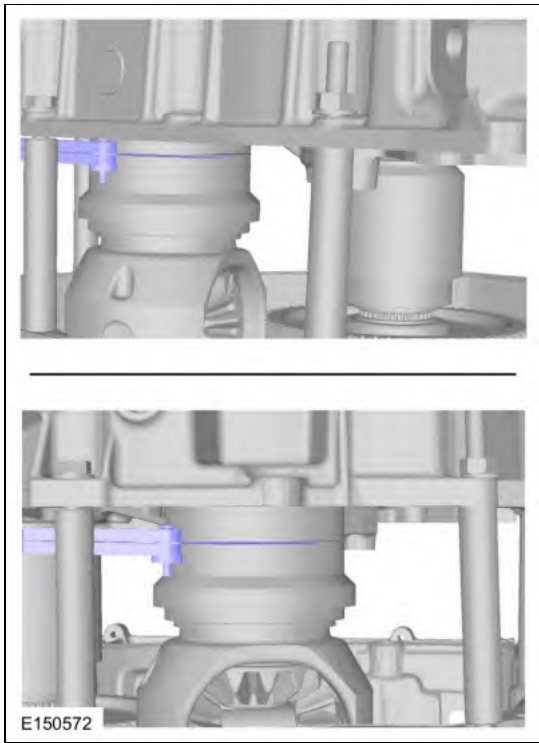


Color	Percentage
Blue	35%
Green	25%
Brown	20%
Yellow	15%
Purple	10%
Light Blue	5%

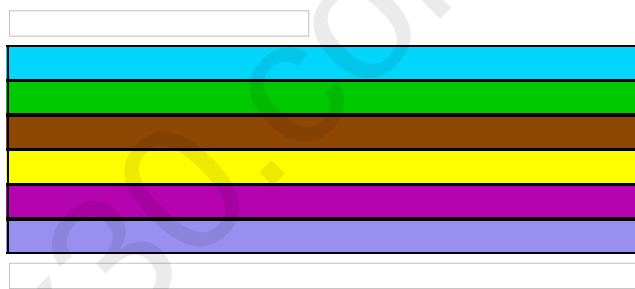
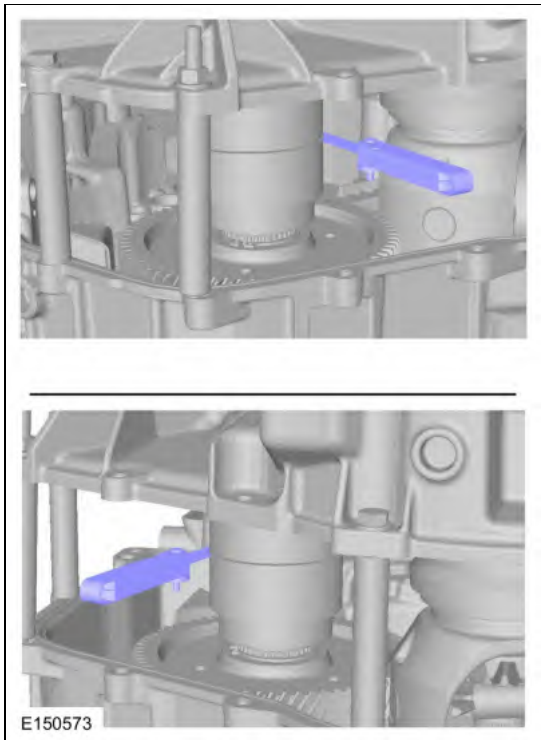
10. Rotate the transfer shaft and the differential several times to seat the bearing cups.



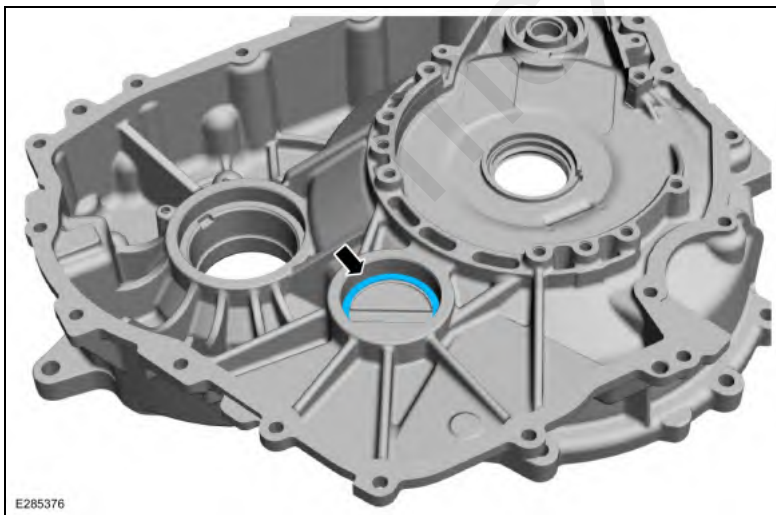
11. Measure and record the smallest and largest preload gap on the Shim Gauge, Differential/Transfer Gear Bearing 307-591/1. Average the 2 measurements to get the thickness of the differential bearing preload shim. For the differential bearing preload shim part number.
Refer to: Specifications (307-01B Automatic Transmission - 8-Speed Automatic Transmission 8F57, Specifications).
Use the General Equipment: Feeler Gauge



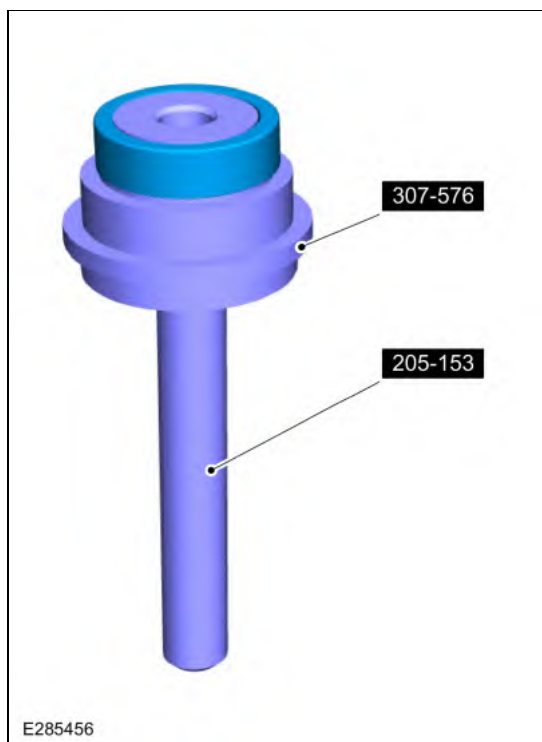
12. Measure and record the smallest and largest preload gap on Shim Gauge, Differential/Transfer Gear Bearing 307-591/2. Average the 2 measurements to get the thickness of the transfer shaft bearing preload shim. For the transfer gear bearing preload shim part number. Refer to: Specifications (307-01B Automatic Transmission - 8-Speed Automatic Transmission 8F57, Specifications). Use the General Equipment: Feeler Gauge



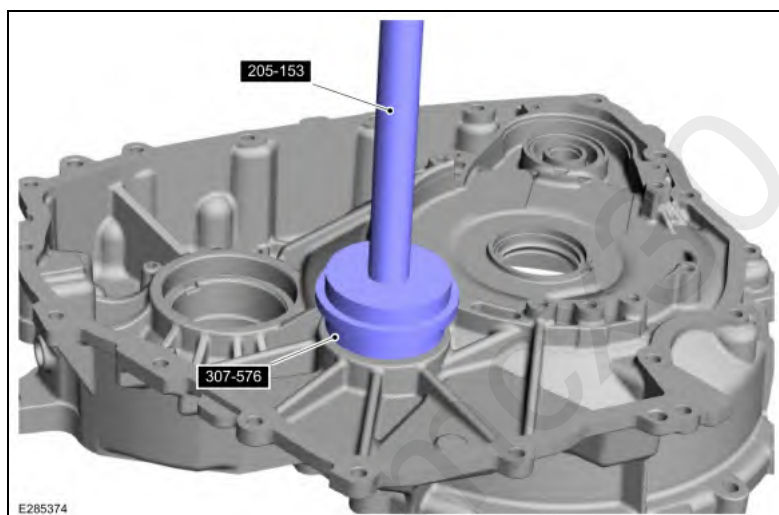
13. Install the transfer shaft roller bearing shim.



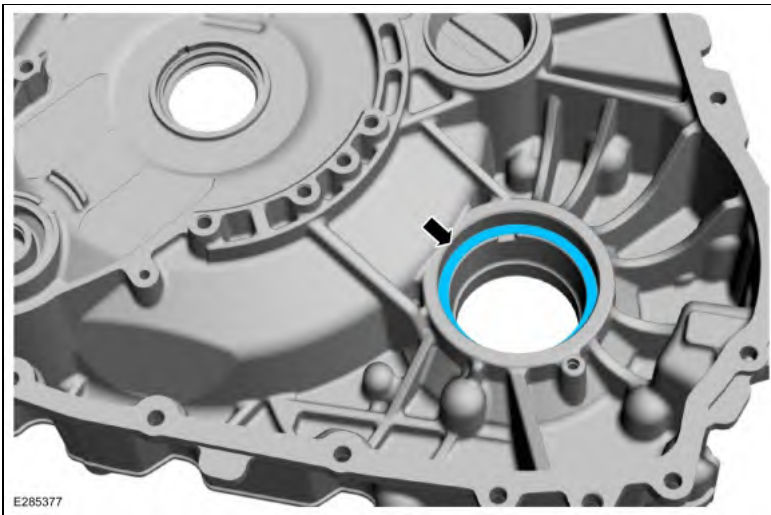
14. Install the transfer shaft bearing race on the special tool.
Use Special Service Tool: 307-576 Bearing Cup Installer , 205-153 (T80T-4000-W) Handle.



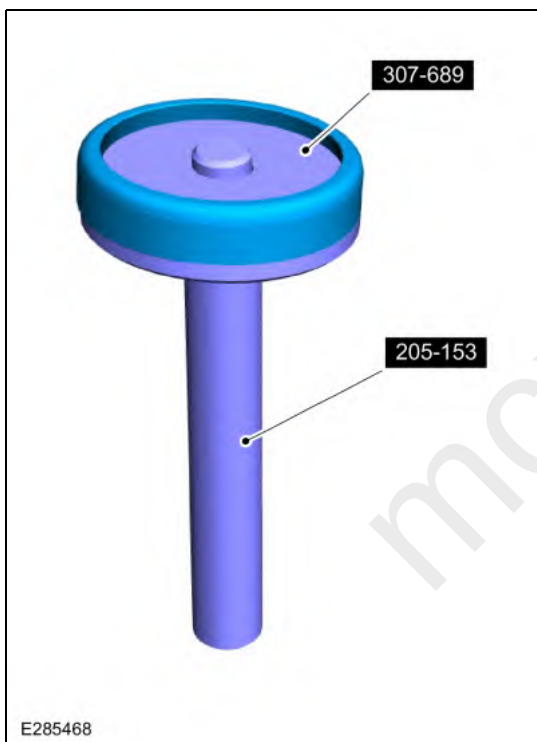
15. Using the special tools and the general equipment, press the transfer shaft bearing cup into the torque converter housing.
 Use Special Service Tool: 205-153 (T80T-4000-W) Handle. , 307-576 Bearing Cup Installer.
 Use the General Equipment: Hydraulic Press



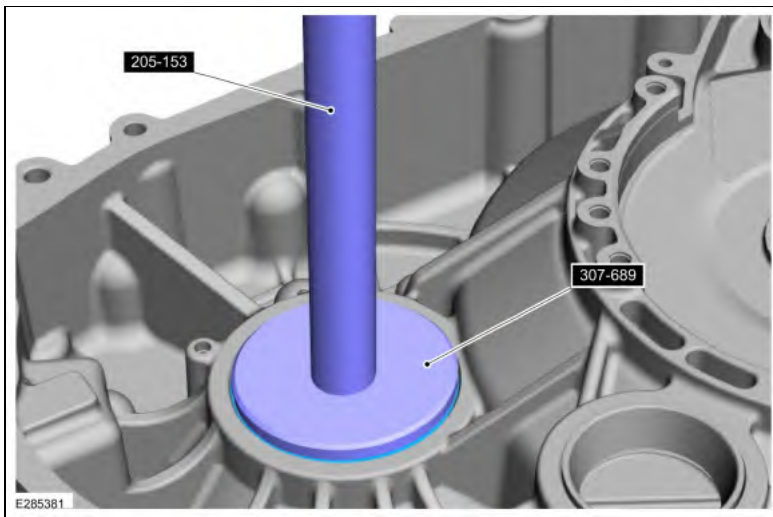
16. Install the differential bearing shim.



17. Position the differential bearing cup on the special tool.
Use Special Service Tool: 307-689 Installer, Bearing Cup. , 205-153 (T80T-4000-W) Handle.



18. Using the special tools and the general equipment, press the differential bearing cup into the torque converter housing.
Use Special Service Tool: 307-689 Installer, Bearing Cup. , 205-153 (T80T-4000-W) Handle.
Use the General Equipment: Hydraulic Press



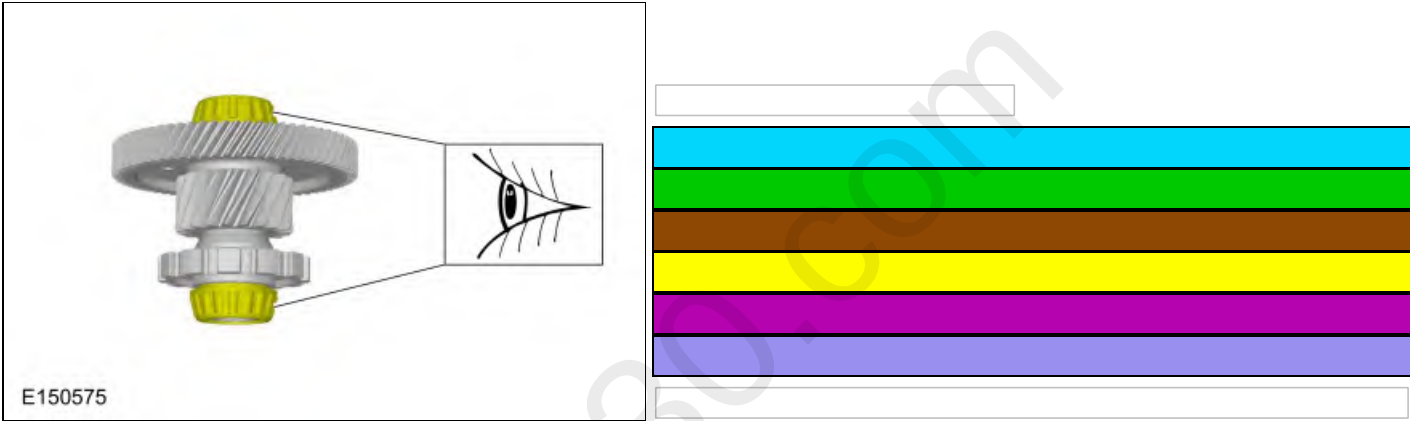
Transfer Shaft

Special Tool(s) / General Equipment

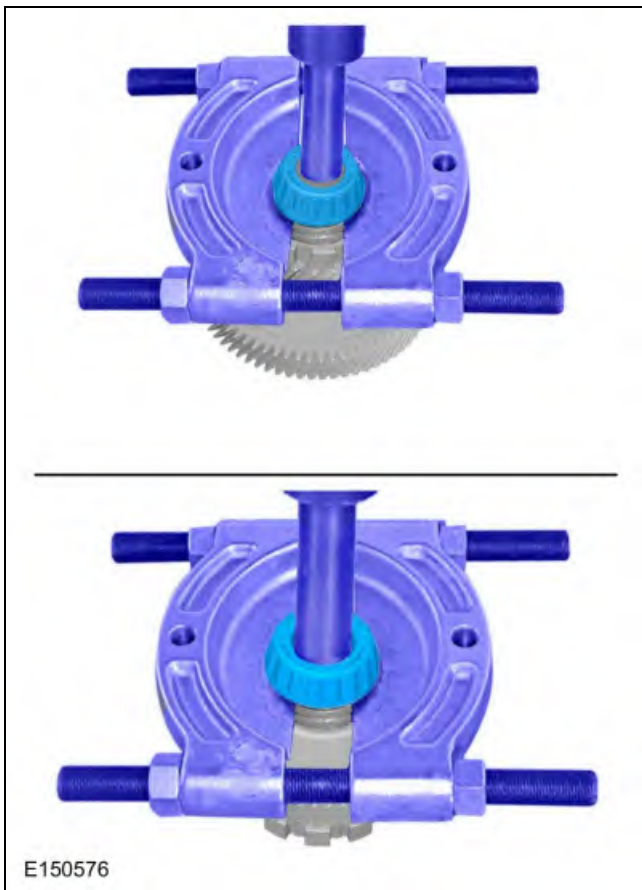
 E318534	307-587 Differential bearing installer and guide TKIT-2006UF-FLM TKIT-2006UF-ROW
Hydraulic Press	
Bearing Separator	

DISASSEMBLY

1. Inspect the transfer shaft bearings for damage or excessive wear. Install new if necessary.



2. Using the general equipment, remove the transfer shaft bearings.
Use the General Equipment: Bearing Separator
Use the General Equipment: Hydraulic Press



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3. Inspect the transfer shaft assembly for damage.
1. Inspect the park pawl wheel for damage and install new, if necessary.
 2. Inspect the transfer shaft and transfer shaft input gear for damage and install new, if necessary.