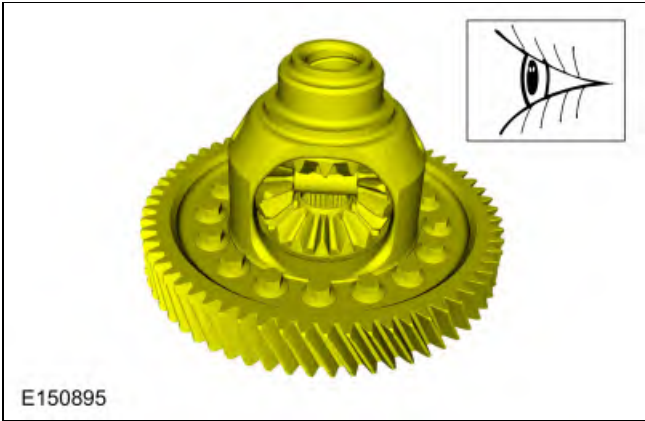
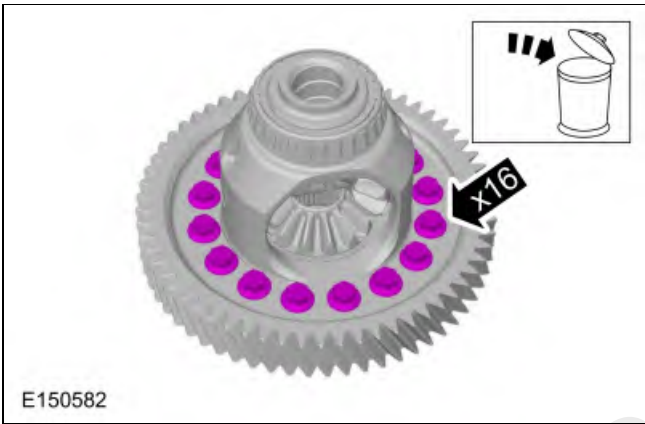


4. **NOTE:** *If replacing the ring gear, it is also necessary to replace the transfer shaft.*
- Inspect the differential assembly and the ring gear for damage and install new, if necessary.



5. Remove and discard the differential ring gear bolts.

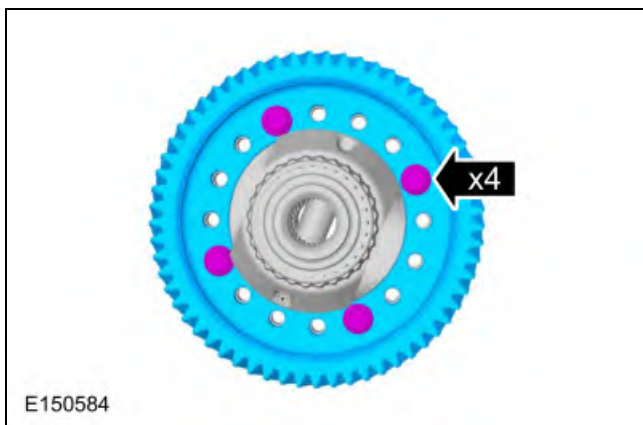


6. Remove the differential ring gear.



ASSEMBLY

1. **NOTE:** *Do not torque the 4 ring gear bolts.*
- Hand-start 4 new ring gear bolts to align the holes in the ring gear and the differential case. Evenly tighten the 4 bolts to seat the ring gear onto the differential case.





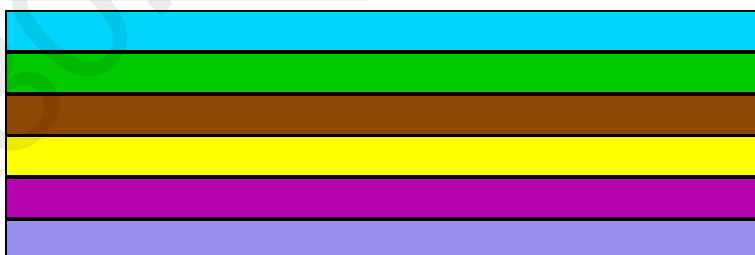
2. Install the remaining new differential ring gear bolts and tighten in 2 stages.

Torque:

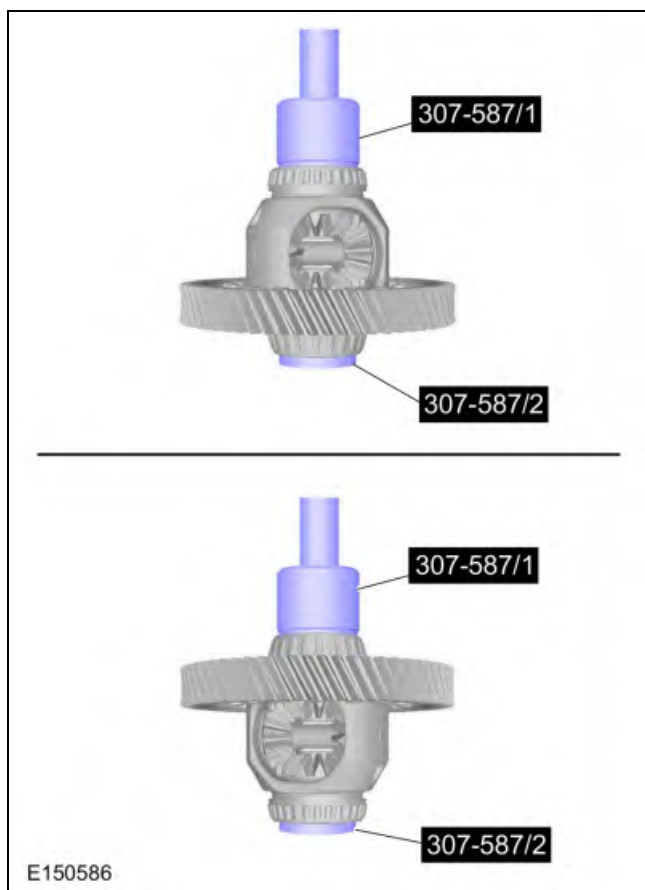
Stage 1: 24 lb.ft (33 Nm)

Stage 2: 60 Å°





3. Using the special tools, press new differential carrier bearings on the differential assembly.
 Use Special Service Tool: 307-587 Differential bearing installer and guide.
 Use the General Equipment: Hydraulic Press



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4. Select a new differential shim.
Refer to: Torque Converter Housing (307-01B Automatic Transmission - 8-Speed Automatic Transmission “8F57, Disassembly and Assembly of Subassemblies).

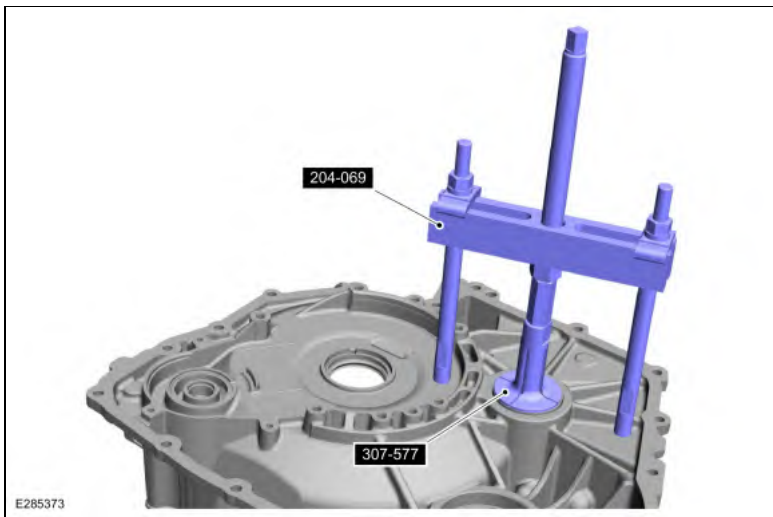
Torque Converter Housing

Special Tool(s) / General Equipment

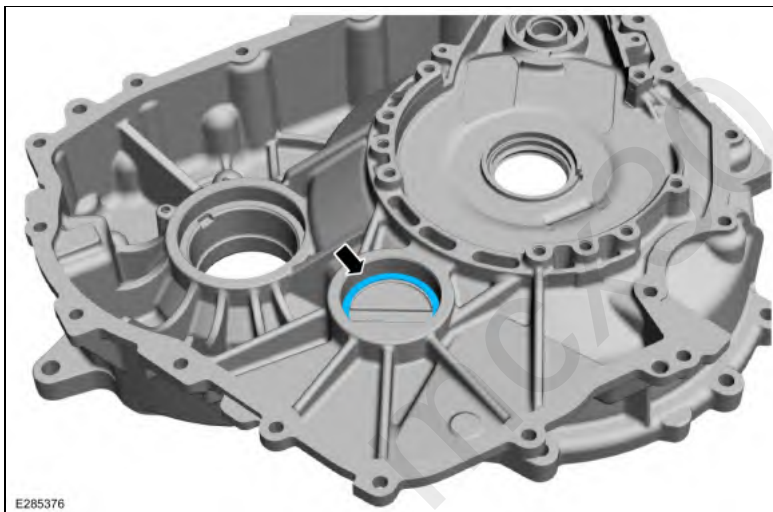
 E216590	204-069 (T81P-1104-C) Remover/Installer, Front Wheel Hub
 E133913	205-153 (T80T-4000-W) Handle
	307-576 Bearing Cup Installer TKIT-2006UF-FLM TKIT-2006UF-ROW
	307-577 Transfer Gear Bearing race remover TKIT-2006UF-FLM TKIT-2006UF-ROW
 E318533	307-586 Differential bearing cup remover TKIT-2006UF-FLM TKIT-2006UF-ROW
 E318536	307-591 Shim Gauge, Differential/Transfer Gear Bearing TKIT-2006UF-FLM TKIT-2006UF-ROW
 ST3314-A	307-689 Installer, Bearing Cup TKIT-2012B-FL TKIT-2012B-ROW
Feeler Gauge	
Hydraulic Press	

DISASSEMBLY

- Using special tools, remove the transfer shaft bearing cup from the torque converter housing.
Use Special Service Tool: 204-069 (T81P-1104-C) Remover/Installer, Front Wheel Hub. , 307-577 Transfer Gear Bearing race remover.



2. Remove the transfer shaft bearing shim.



3. Install the special tool on the bearing cup.
 1. Position the Differential Bearing Cup Remover 307-586 in the torque converter housing with the tabs on the Differential Bearing Cup Remover 307-586 aligned with the slots in the torque converter housing.
Use Special Service Tool: 307-586 Differential bearing cup remover.
 2. Expand the Differential Bearing Cup Remover 307-586 by hand.
 3. While holding the Differential Bearing Cup Remover 307-586 in the expanded position with the tabs in the slots of the torque converter housing, tighten the nut.