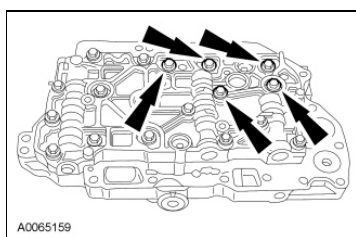


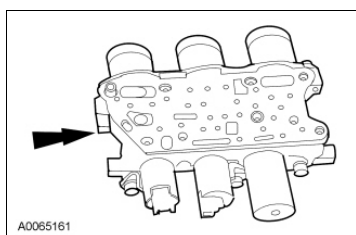
16	7F445	Retainer plate — main regulator valve
17	7A270	Spring — main fluid pressure regulator valve
18	7C338	Valve — main fluid pressure regulator
19	7G411	Spring — solenoid regulator valve
20	7H392	Valve — solenoid regulator valve
21	7D400	Spring — intermediate servo accumulator
22	7D398	Piston — intermediate servo accumulator
23	7G408	Valve — converter pressure relief
24	7G316	Spring — converter regulator valve
25	7M040	Valve — lock up control
26	7Z490	Gasket — solenoid body
27	7G179	Valve — low reverse shift
28	7M040	Valve — 3-4 shift
29	7H148	Shift Solenoid B (SSB) (on/off) valve
30	7H148	Shift Solenoid A (SSA) (on/off) valve
31	7G383	Main regulator valve Variable Force Solenoid (VFS) Pressure Control Solenoid A (PCA)
32	7G484	Pulse-Width Modulation (PWM) solenoid valve Shift Solenoid C (SSC)
33	7G484	PWM solenoid valve Shift Solenoid E (SSE)
34	7G484	PWM solenoid valve Shift Solenoid D (SSD)
35	7H185	Bracket — shift control solenoid hold down
36	W500211	Screws M6 x 15 (7 required)
37	W500012	Screw M6 x 72 (2 required)
38	7G391	Body — solenoid shift throttle pressure

Disassembly

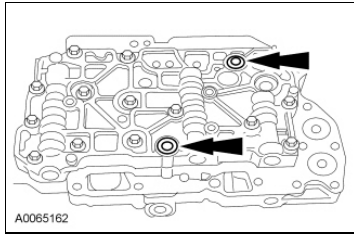
1. Remove the solenoid body bolts and the solenoid body.



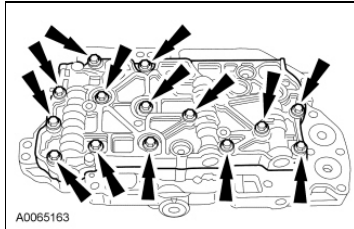
2. Remove and discard the solenoid body gaskets.



3. Remove and discard the seals.



4. Disassemble the main control valve body.



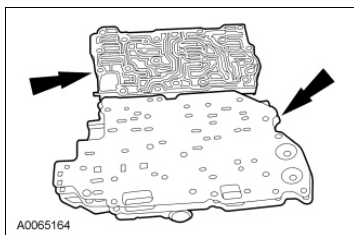
Assembly

1. **NOTE:** The top side of the separator plate has a bonded gasket.

NOTE: The separator gasket goes on the bottom side.

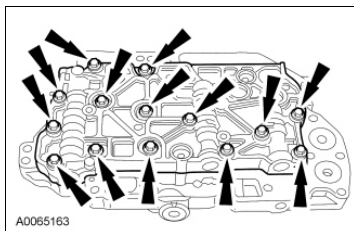
NOTE: Inspect the main control valve body.

Install new control valve body plate assembly and separator gaskets.

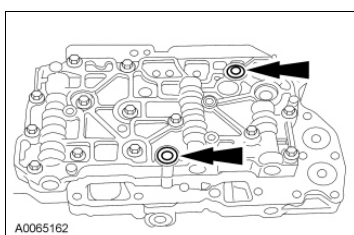


2. **NOTE:** Do not fully tighten the bolts at this stage.

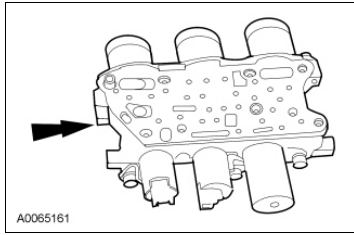
Assemble the main control valve body and loosely install the bolts.



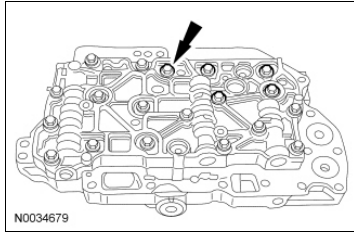
3. Install the seals.



4. Install a new solenoid body gasket.

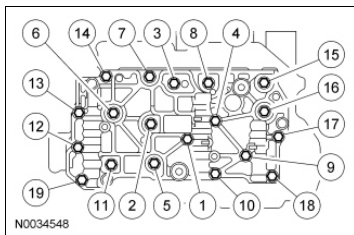


5. Install the solenoid body and loosely install the bolts.






6. Tighten the solenoid body bolts in the sequence shown.

- Tighten to 9 Nm (80 lb-in).



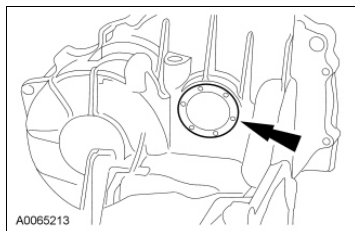
Transaxle Case

Special Tool(s)

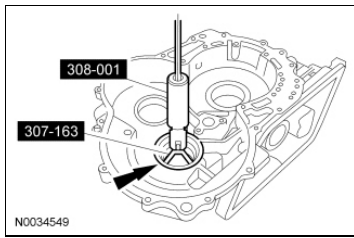
 <small>ST1255-A</small>	Handle 205-153 (T80T-4000-W)
 <small>14040</small>	Installer, Axle Oil Seal 205-259 (T87P-3254-A)
 <small>ST2350-A</small>	Installer, Differential Bearing Cup 205-118 (T77F-4222-A)
 <small>ST2509-A</small>	Installer, Differential Bearing Cup 308-163 (T88C-77000-FH)
 <small>ST2427-A</small>	Installer, Transfer Gear Bearing Cup 307-418
 <small>ST2791-A</small>	Remover, Pilot Bearing 308-001 (T58-L-101-B)
 <small>ST1556-A</small>	Remover, Stator Case Bearing 307-163 (T86P-70043-A)

Disassembly

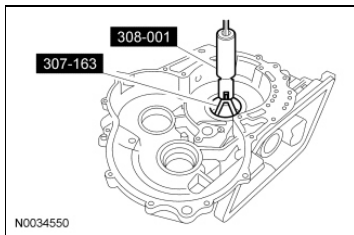
1. Remove the halfshaft seals (LH shown).



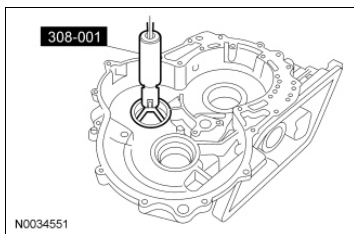
2. Using the Pilot Bearing Remover and Stator Case Bearing Remover, remove the differential case bearing cups (LH shown).



3. Using the Pilot Bearing Remover and Stator Case Bearing Remover, remove the final drive input gear bearing cup.



4. Using the Pilot Bearing Remover, remove the transfer shaft gear bearing cups (LH shown).

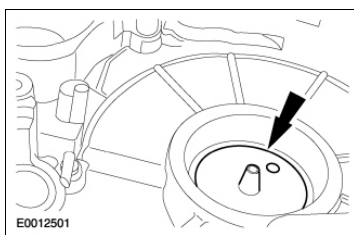


5. **NOTE:** Note the location of the bleed hole in the funnel in relation to the bottom of the case.

NOTE: Inspect the bleed hole for foreign material.

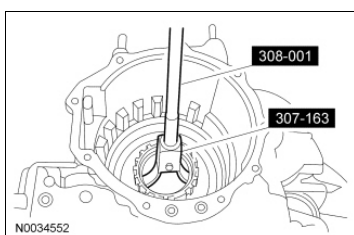
NOTE: If flatness of funnel is compromised during bearing removal, install a new funnel.

Remove the funnel.



6. Rotate the transaxle 180 degrees.

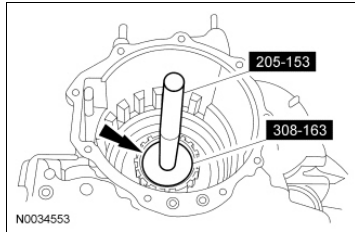
7. Using the Pilot Bearing Remover and Stator Case Bearing Remover, remove the final drive input gear bearing cup.



Assembly

1. **NOTE:** The converter housing side bearing cups for the transfer shaft bearing and differential case bearing will be installed during the assembly of the transaxle.

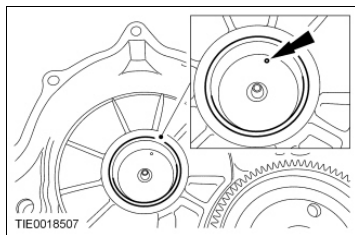
Using the Differential Bearing Cup Installer and Handle, install the final drive input gear bearing cup.



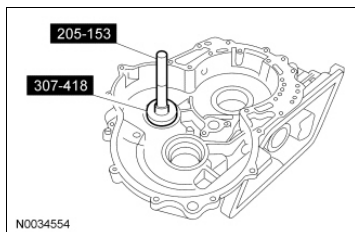
2. Rotate the transaxle 180 degrees.
3. **NOTE:** Note the location of the bleed hole.

NOTE: Inspect the bleed hole for foreign material.

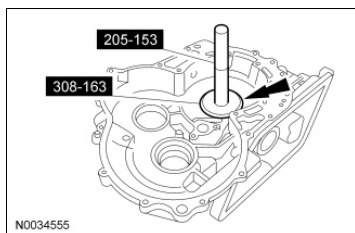
Install the funnel.



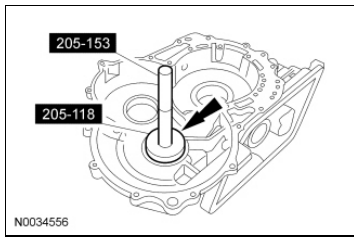
4. Using the Transfer Gear Bearing Cup Installer and Handle, install the LH transfer shaft gear bearing cup.



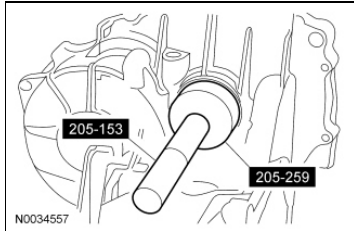
5. Using the Differential Bearing Cup Installer and Handle, install the final drive input gear bearing cup (LH shown).



6. Using the Differential Bearing Cup Installer and Handle, install the LH differential case bearing cup.



7. Using the Axle Oil Seal Installer and Handle, install the halfshaft seals (LH shown).



Transaxle

Special Tool(s)

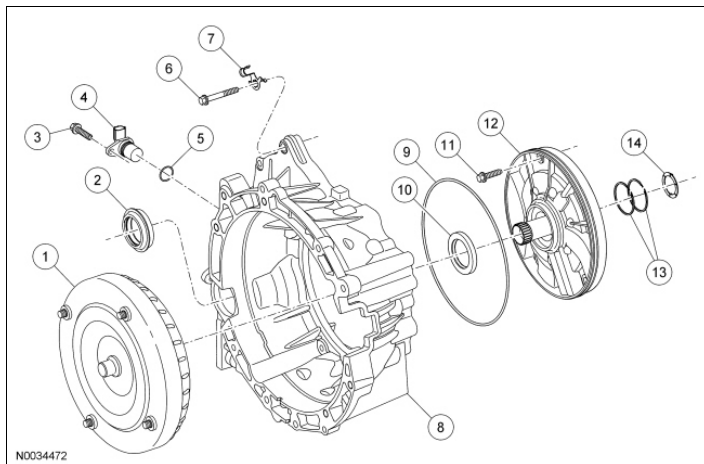
 <p>307-415</p>	<p>Alignment Tool, Transmission Range Sensor 307-415</p>
 <p>ST1255-A</p>	<p>Handle 205-153 (T80T-4000-W)</p>
 <p>ST1631-A</p>	<p>Handle, Torque Converter 307-091 (T81P-7902-C)</p>
 <p>ST2756A</p>	<p>Holding Tool, Final Drive Input Gear 307-413</p>
 <p>14040</p>	<p>Installer, Axle Oil Seal 205-259 (T87P-3254-A)</p>
 <p>ST2350-A</p>	<p>Installer, Differential Bearing Cup 205-118 (T77F-4222-A)</p>
 <p>ST2349-A</p>	<p>Installer, Differential Fluid Seal 307-256 (T92P-77000-FH)</p>
 <p>ST1367-A</p>	<p>Installer, Drive Pinion Bearing Cone 205-005 (T53T-4621-C)</p>
 <p>ST1361-A</p>	<p>Installer, Drive Pinion Bearing Cup 205-024 (T67P-4616-A)</p>
 <p>ST2957-A</p>	<p>Installer, Output Shaft Seal 307-572</p>
 <p>ST2427-A</p>	<p>Installer, Transfer Gear Bearing Cup 307-418</p>
 <p>307-410</p>	<p>Mounting Bracket, Transmission 307-410</p>
 <p>ST1254-A</p>	<p>Plate, Bearing/Oil Seal 205-090 (T75L-1165B)</p>

 ST1536-A	Retainer, Torque Converter 307-346 (T97T-7902-A)
 307-416	Select Gauge, Transmission Band 307-416
 ST2757A	Shim Gauge, Differential/Transfer Gear Bearing 307-417
 ST1564-A	Shim Selection Set 308-161 (T88C-77000-C)
 ST2486-A	Shim Selection Set 308-164 (T88C-77000-JF)
 307-414	Socket, Final Drive Input Nut 307-414
 307-420	Wrench Guide Plate 307-420

Material

Item	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC	MERCON® LV
Thread Sealant with PTFE TA-24	WSK-M2G350-A2
Ultra Silicone Sealant TA-29	—

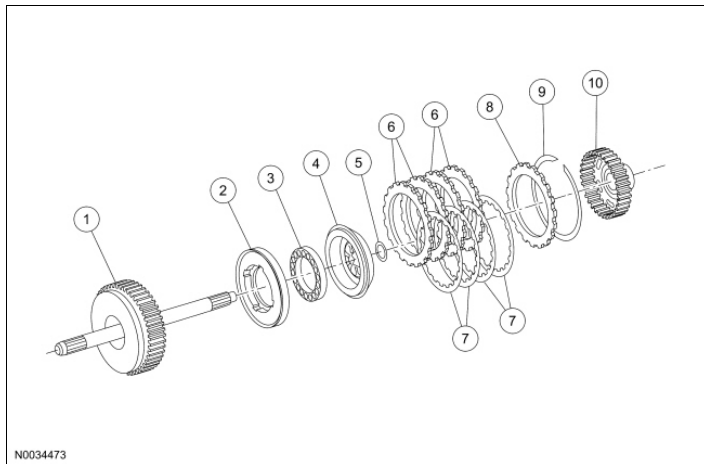
Converter Housing with Converter Assembly and Pump Assembly



Item	Part Number	Description
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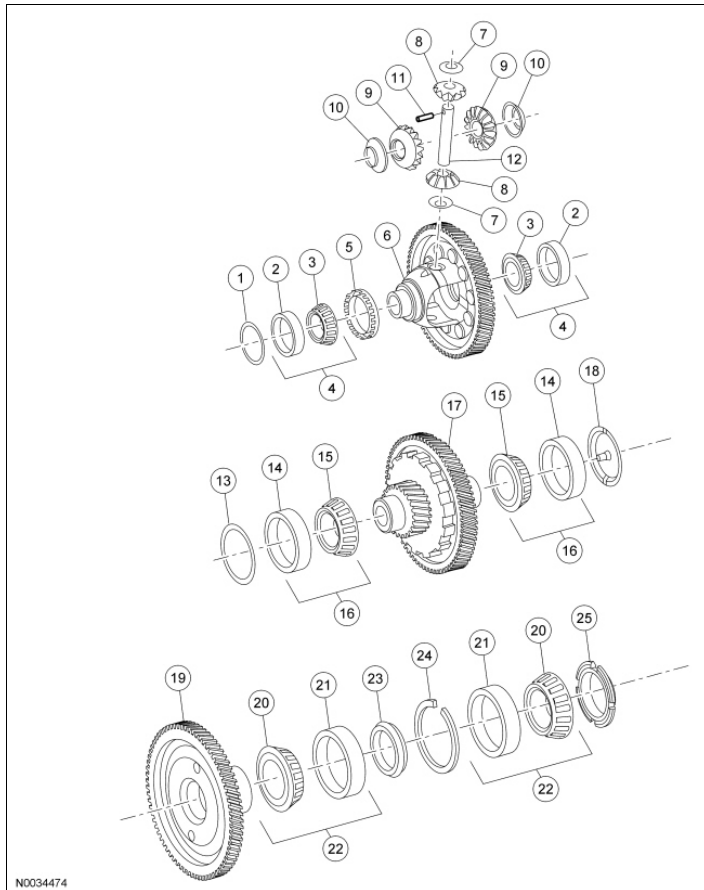
1	7902	Converter assembly
2	1177	Seal assembly — differential
3	—	Output Shaft Speed (OSS) sensor bolt
4	7H103	OSS sensor
5	W706315-S300	O-ring — OSS sensor
6	—	Bolt — converter housing
7	—	Retainer — fluid tube
8	7005	Converter housing
9	7A248	Seal — pump
10	7A248	Seal assembly — pump
11	—	Bolt — pump
12	7A103	Pump assembly
13	7D019	Seals — forward clutch cylinder
14	7H042	Washer — pump support thrust

Forward Clutch



Item	Part Number	Description
1	7F207	Shaft assembly — turbine
2	7A262	Piston assembly — forward clutch
3	7F235	Spring assembly — forward piston return
4	7H360	Piston — forward clutch balance
5	7H365	Snap ring — forward clutch balance piston
6	7B442	Steel plates — forward clutch separator (4 required)
7	7B164	Friction plate assembly — forward clutch (4 required)
8	7B066	Plate — forward/direct clutch pressure (1 each)
9	7D483	Retaining ring (selective)
10	7B067	Hub — forward clutch cylinder

Differential Assembly and Final Drive Input



Item	Part Number	Description
1	4067	Shim — differential bearing
2	4222	Cups — differential bearing
3	4221	Cone and roller assemblies
4	4221	Bearing assemblies
5	7H150	Wheel — Output Shaft Speed (OSS) sensor
6	7F465	Differential and gear assembly — transaxle
7	4230	Pinion thrust washers (2 required)
8	4215	Differential pinion gears (2 required)
9	4236	Differential side gears (2 required)
10	4228	Side gear thrust washers (2 required)
11	4241	Pin
12	4211	Differential pinion shaft
13	7H367	Shim — transfer shaft roller bearing
14	7H344	Cups — transfer shaft roller
15	7170	Cone and roller assemblies
16	7H338	Bearing assemblies — transfer shaft (2 required)
17	7H348	Transfer shaft gear assembly
18	7L267	Funnel — transfer shaft
19	7F342	Gear — final drive input
20	7M102	Cone and roller assemblies