

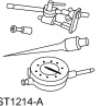



Direct Clutch Assembly

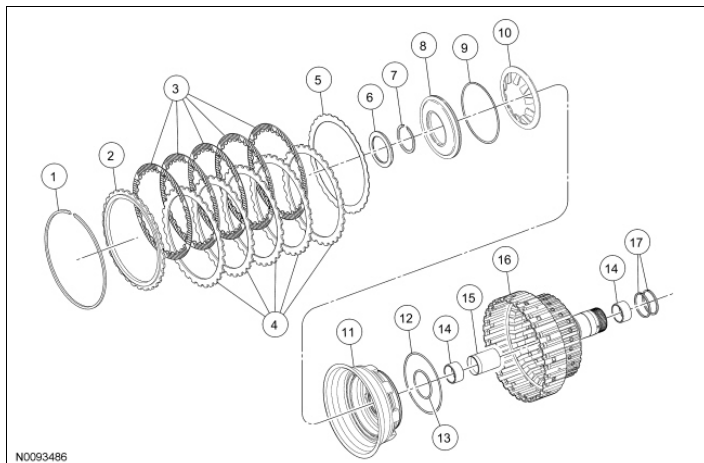
Special Tool(s)

	Compressor, Clutch Spring 307-015 (T65L-77515-A)
	Compressor, Clutch Spring 307-552
	Dial Indicator Gauge with Holding Fixture 100-002 (TOOL-4201-C) or equivalent
	End Play Gauge, Clutch 307-555

Material

Item	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC	MERCON® LV

Direct Clutch Assembly



Item	Part Number	Description
1	7D483	Direct clutch pressure plate retaining ring
2	7B066	Direct clutch pressure plate (quantity model dependant)
3	7B164	Direct clutch internal splined friction plates (quantity model dependant)

4	7B442	Direct clutch external splined steel plates
5	-	Direct clutch cushion plate (wave spring)
6	7C096	Bearing (T5)
7	7A577	Piston retaining ring
8	7A262	Direct clutch balance piston
9	7A548	Direct clutch balance piston seal
10	7B488	Return spring
11	7A262	Direct clutch apply piston
12	7A548	Direct clutch apply piston outer seal
13	7C099	Direct clutch apply piston inner seal
14	-	Direct clutch bushing hubs (part of 7F283) (2 required)
15	-	Gear shaft tube sleeve (part of 7F283)
16	7F283	Direct clutch cylinder
17	7D020	Seal shell cylinders

Disassembly

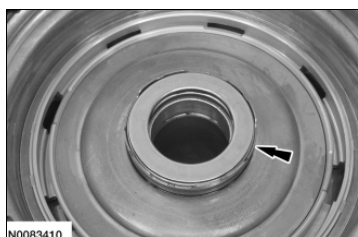
NOTE: Clutch plate quantity is model dependant based on engine displacement:

- 4.6L engine
 - ◆ Four friction plates
 - ◆ Four steel plates
- 5.4L and 6.2L engines
 - ◆ Five friction plates
 - ◆ Five steel plates

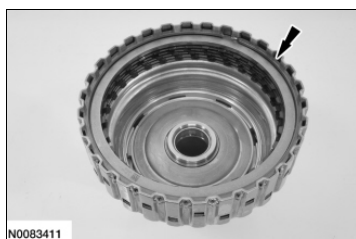
1. Remove and discard the 2 scarf cut seals and the roller bearing.



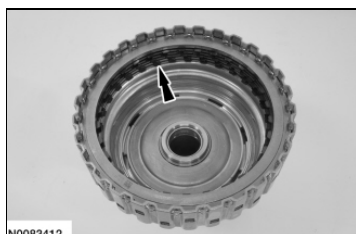
2. Remove the T5 thrust bearing.



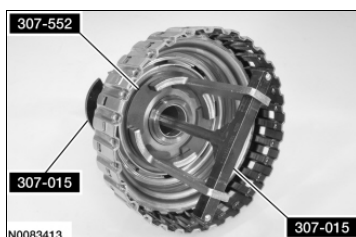
3. Remove the direct clutch snap ring.



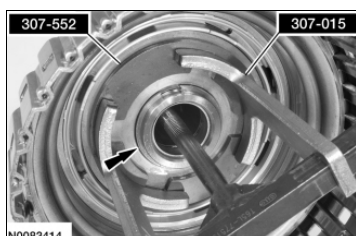
4. Remove the direct clutch steel and friction plates.



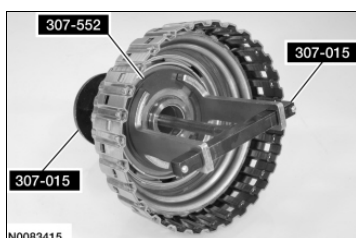
5. Install the Clutch Spring Compressor 307-552 and the Clutch Spring Compressor 307-015 onto the direct clutch assembly.



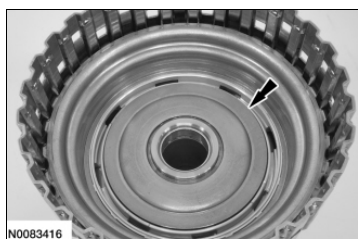
6. Using the Clutch Spring Compressor 307-552 and Clutch Spring Compressor 307-015, compress the direct clutch return spring and remove the direct clutch return spring retainer.



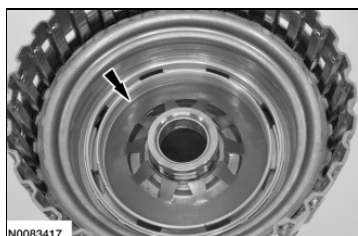
7. Remove the Clutch Spring Compressor 307-552 and the Clutch Spring Compressor 307-015.



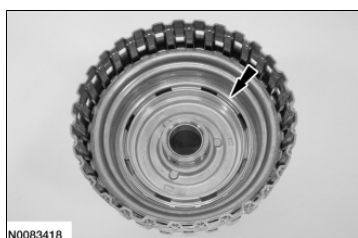
8. Remove the balance piston.



9. Remove the direct clutch return spring.



10. Remove the direct clutch piston.



11. Remove and discard the outer O-ring seal from the balance piston.



12. Remove and discard the outer and inner O-ring seals from the apply piston.



13. Inspect the components of the direct clutch for damage. If damage is indicated, install new components as necessary.