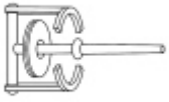



Overdrive Brake and Coast Clutch Drum Assembly

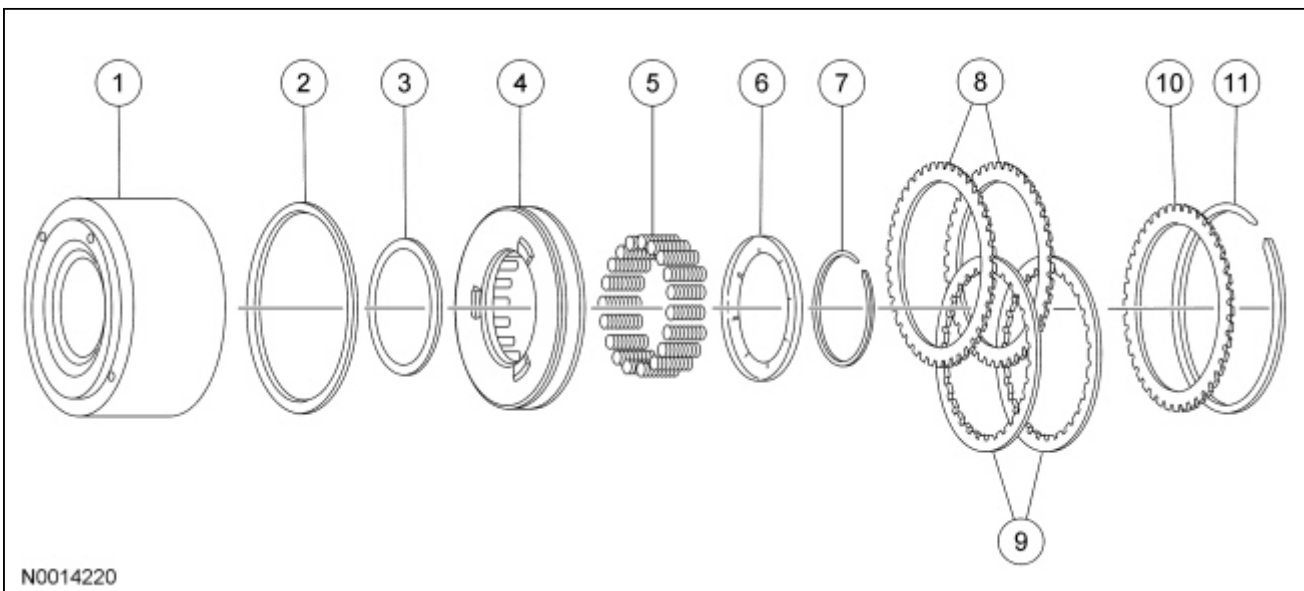
Special Tool(s)

 <p>ST1190-A</p>	Compressor, Clutch Spring 307-015 (T65L-77515-A)
 <p>ST2431-A</p>	Protector, Piston Seal 307-049 (T74P-77404-A)

Material

Item	Specification
MERCON® V Automatic Transmission Fluid XT-5-QM (or XT-5-QMC) (US); CXT-5-LM12 (Canada)	MERCON® V

Overdrive (O/D) Brake and Coast Clutch Drum Assembly

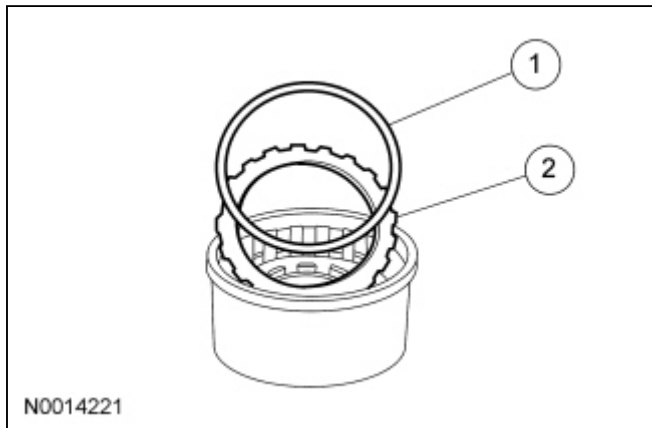


Item	Part Number	Description
1	7L669	Coast clutch drum
2	7A548	Overdrive (O/D) piston outer seal ring
3	7D404	O/D piston inner seal ring
4	7A262	O/D clutch piston
5	7A480	O/D piston spring (20 required)
6	7A527	Coast clutch piston spring retainer

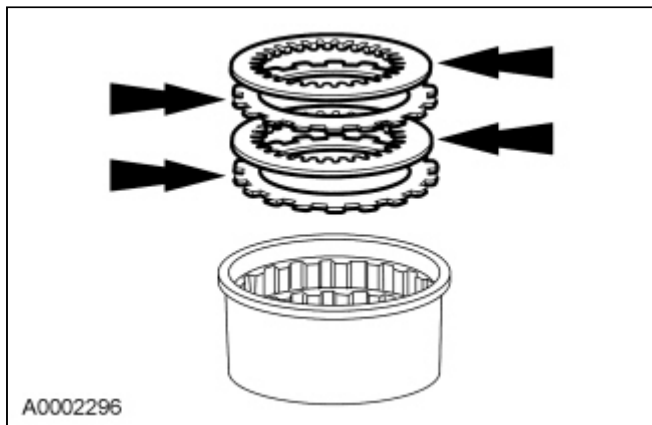
7	E860125-S	Retaining ring
8	7B442	Coast clutch external plates — steel (2 required)
9	7B164	Coast clutch internal plates — friction (2 required)
10	7B066	Coast clutch pressure plate
11	E860126S/129S	Retaining ring (select fit)


Disassembly

1. Remove the coast clutch pressure plate.
 1. Remove the coast clutch retaining ring.
 2. Remove the coast clutch pressure plate.



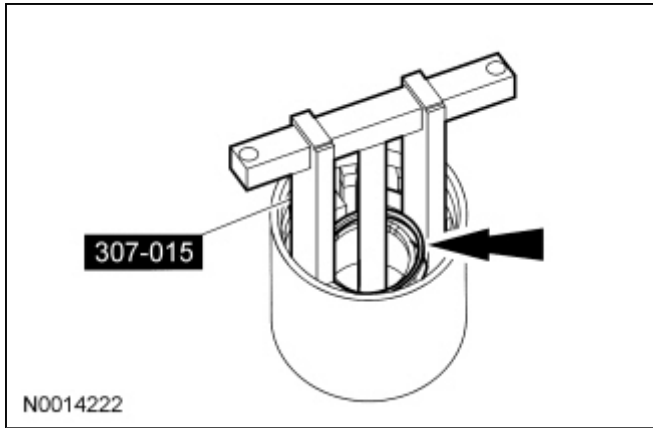
2. Remove the coast clutch disc pack.
 - Inspect for wear, install a new pack as necessary.



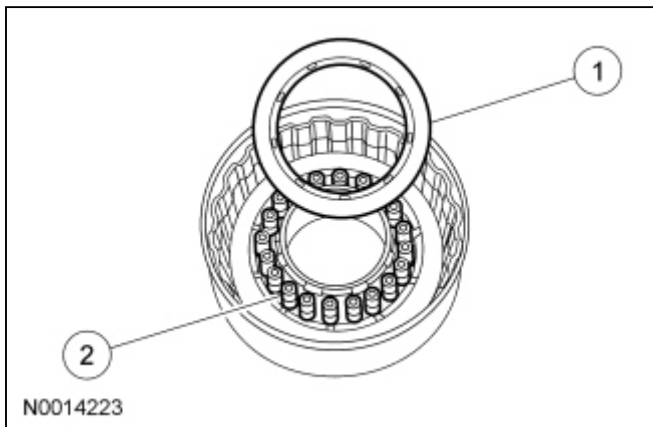
3.  **WARNING:** While removing or installing the retaining ring, slowly release tool pressure on clutch piston springs. Failure to follow this instruction may cause the assembly to separate forcefully, resulting in serious personal injury.


NOTICE: Do not fully compress the Clutch Spring Compressor or damage to the spring retainer may occur.

Using the Clutch Spring Compressor, remove the coast clutch piston retaining ring.



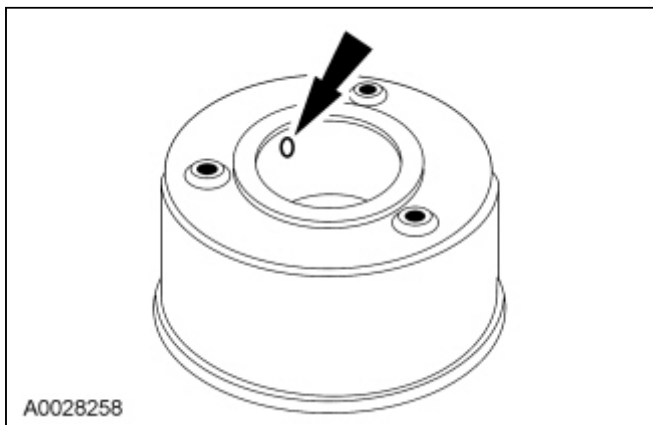
4. Relieve the coast clutch spring tension and remove the Clutch Spring Compressor.
5. Remove the coast clutch piston springs.
 1. Remove the coast clutch piston retainer.
 2. Remove the clutch piston springs.



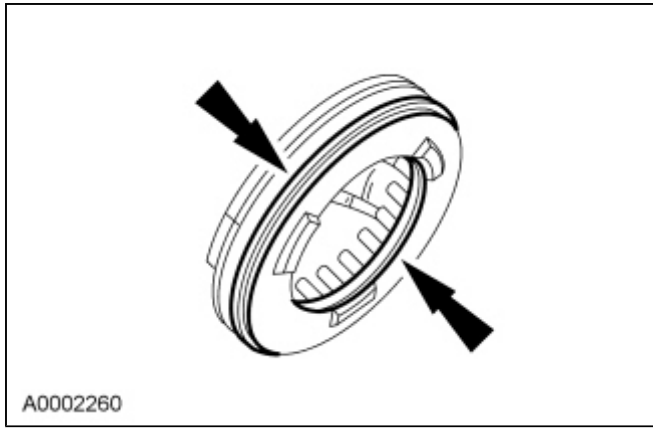
6.  **WARNING:** When using compressed air, never let air pressure exceed 138 kPa (20 psi) and always wear safety glasses. Compressed air may cause foreign material or parts to become airborne. Failure to follow this instruction may result in serious personal injury.

Remove the coast clutch piston.

- Apply air pressure to the hole in the drum to remove the coast clutch piston while blocking the other hole.



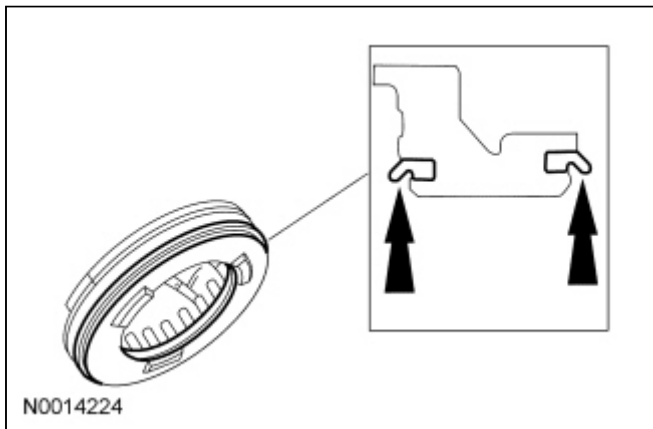
7. Remove and discard the coast clutch piston inner seal and the coast clutch piston outer seal.



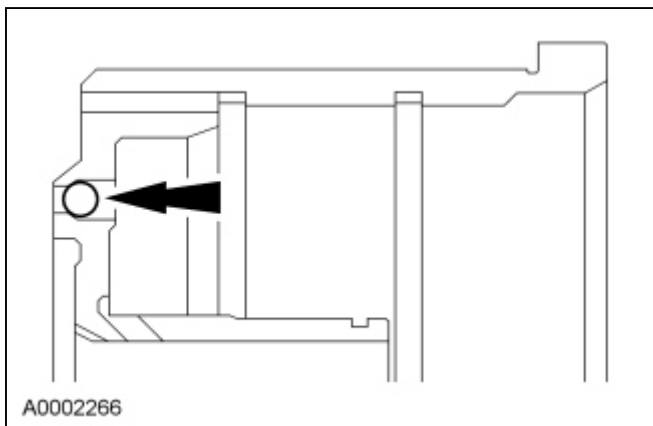
Assembly

1. **NOTICE:** The lip seals must be positioned as shown. Care must be taken to prevent rollover of the lip seal.

Install the new coast clutch piston inner and outer seal.



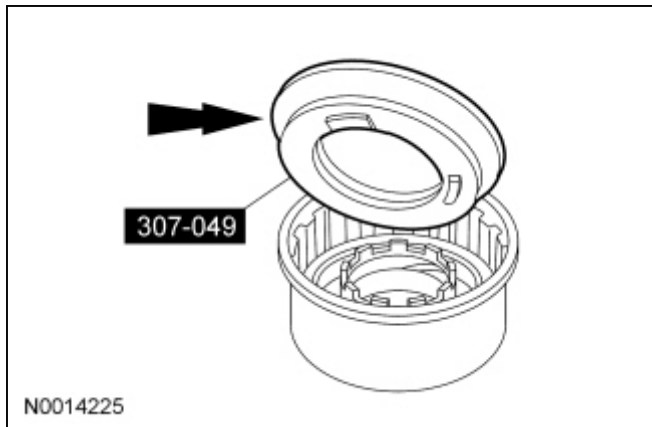
2. Verify the check ball is free to move.



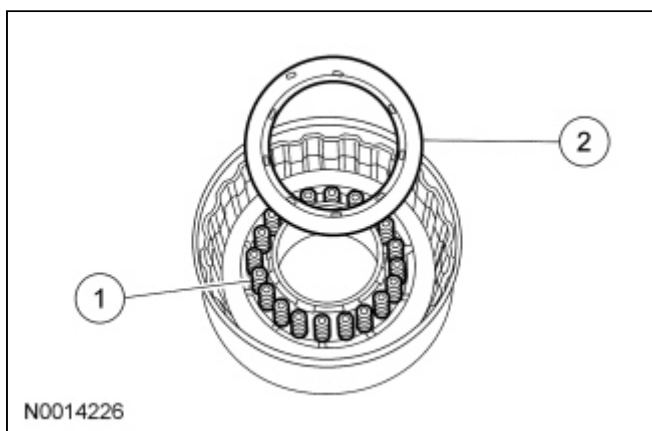
3. **NOTICE:** Care must be taken to prevent damage to the seals during installation.

Using the Piston Seal Protector, install the coast clutch piston.

- Lubricate the seals with transmission fluid.

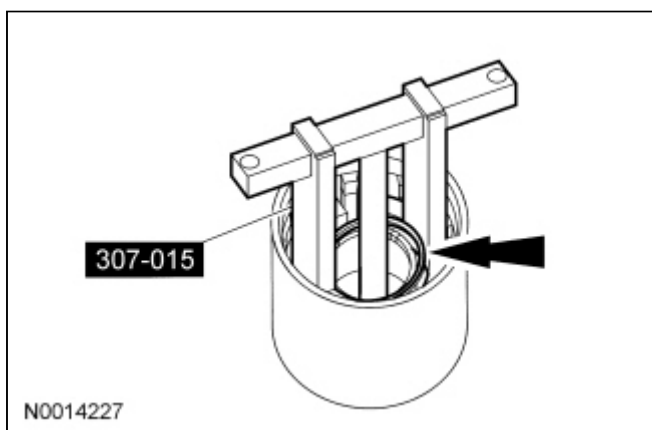


4. Install the coast clutch piston springs.
 1. Install the coast clutch piston springs.
 2. Install the coast clutch spring retainer.



5. **NOTICE: Do not fully compress the Clutch Spring Compressor or damage to the coast clutch piston spring retainer may occur.**

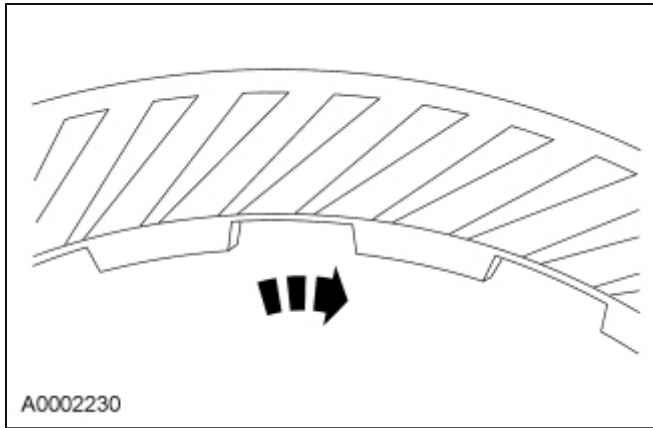
Using the Clutch Spring Compressor, install the coast clutch piston spring retainer ring.



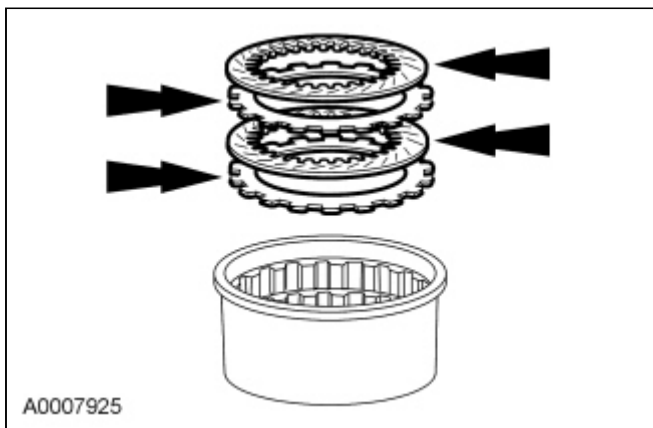
6. **NOTICE: Coast clutch friction plates are directional and must be installed with grooves clockwise (ID to OD). The word TOP should face up, otherwise transmission damage can occur.**

NOTICE: If new clutch plates are being used, they should be soaked in automatic transmission fluid before assembly, otherwise transmission damage can occur.

When installing friction plates, the word TOP should face up. If reusing plates, grooves must be installed clockwise. Install the coast clutch disc pack.



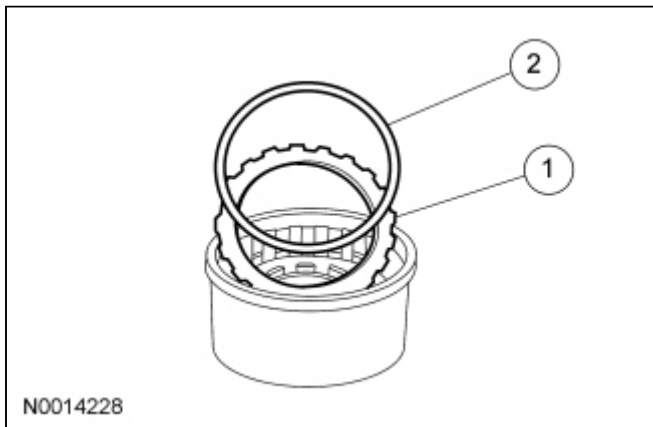
7. Install the 2 steel clutch plates and 2 friction clutch plates in alternating order starting with a steel clutch plate.



8. **NOTE:** The retaining ring is select fit.

Install the coast clutch pressure plate.

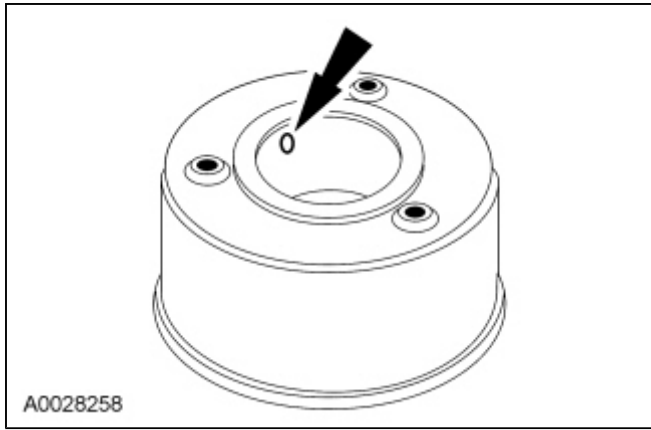
1. Install the coast clutch pressure plate.
2. Install the original coast clutch retaining ring.



9. **⚠ WARNING:** When using compressed air, never let air pressure exceed 138 kPa (20 psi) and always wear safety glasses. Compressed air may cause foreign material or parts to become airborne. Failure to follow this instruction may result in serious personal injury.

Air check the assembly.

- Apply air pressure to the hole in the drum while blocking the other hole.



10. Check the coast clutch disc pack free play.
 1. Push down on the coast pressure plate.
 2. Check clearance between the coast clutch retaining ring and coast pressure plate. Clearance should be 1.3-2.0 mm (0.051-0.079 in). If clearance is not within the specification, install a correct coast clutch retaining ring that will provide the correct free play adjustment.

Part Number	Thickness		Diameter	
	mm	Inch	mm	Inch
E860126-S	1.37	0.053	130.1	5.122
E860127-S	1.73	0.068	130.1	5.122
E860128-S	2.08	0.081	130.1	5.122
E860129-S	2.44	0.096	130.1	5.122

