

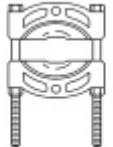

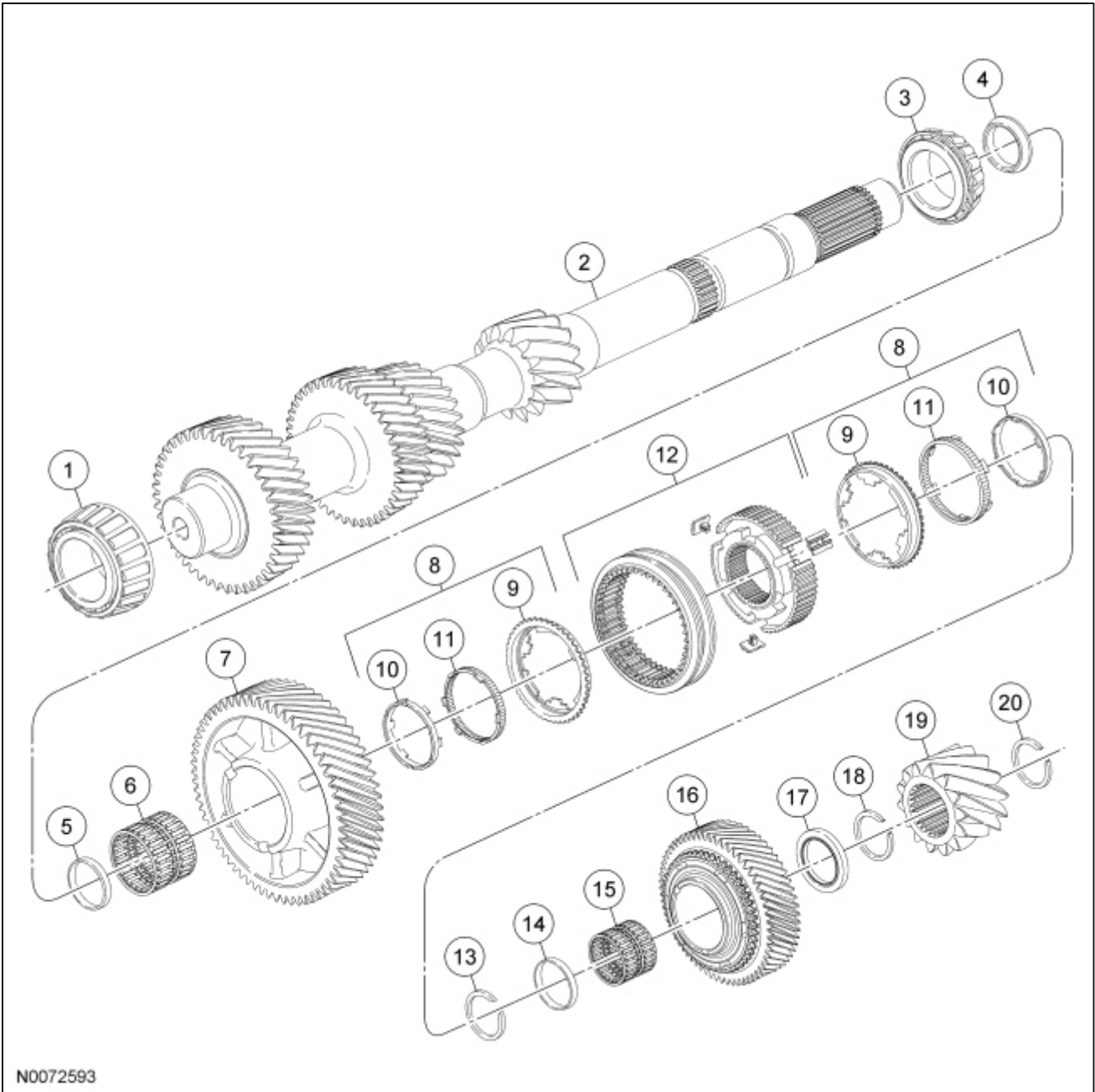


Countershaft

Special Tool(s)

 ST1308-A	Installer, Drive Pinion Bearing Cone 205-004 (T53T-4621-B)
 ST1254-A	Plate, Bearing Oil Seal 205-090 (T75L-1165-B)
 ST1368-A	Puller, Bearing 205-D064 (D84L-1123-A)
 ST1937-A	Remover/Installer, Bearing Tube 308-025 (T75L-7025-C)

Disassembly and Assembly

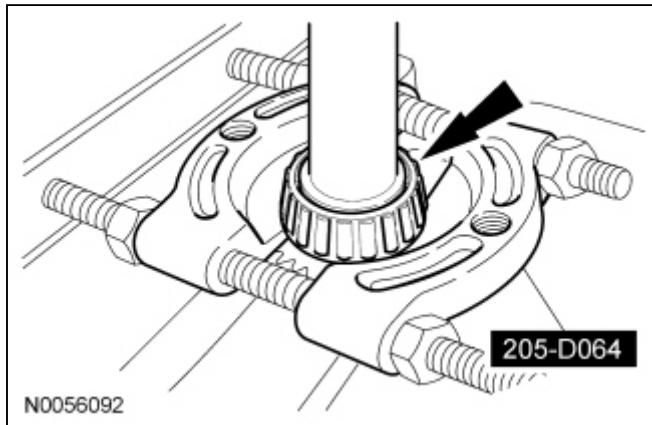


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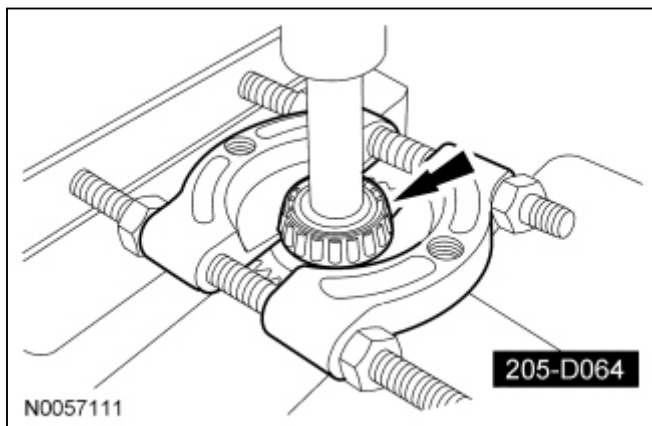
Item	Part Number	Description
1	7025	Countershaft front bearing
2	7113	Countershaft
3	7025	Countershaft rear bearing
4	—	Thrust washer
5	7117	Spacer
6	7025	6th gear needle bearing
7	7146	6th gear
8	7107	Synchronizer blocking ring assemblies
9	—	Synchronizer blocking rings (part of 7107)
10	—	Synchronizer inner cones (part of 7107)
11	—	Synchronizer outer cones (part of 7107)
12	7124	5th/6th synchronizer assembly
13	7A082	Snap ring
14	7117	Spacer

15	7025	5th gear needle bearing
16	7144	5th gear
17	7025	Thrust washer
18	7A082	Snap ring
19	—	Reverse driver gear
20	7A082	Snap ring

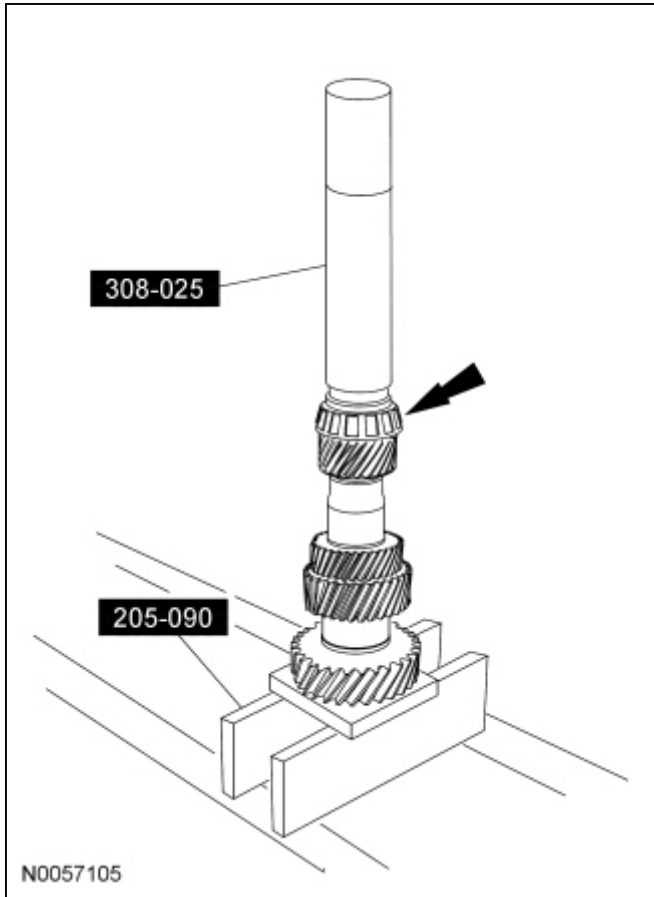
- Using the Bearing Puller and a press, remove the countershaft rear bearing.



- Using the Bearing Puller and a press, remove the countershaft front bearing.



- Inspect the countershaft.
 - Check the shaft surface for wear or damage. Install a new shaft as necessary.
 - Check the gear teeth for wear, pitting, scoring, spalling or fractures. Install new components as necessary.
- Using the Bearing Oil Seal Plate and the Bearing Tube Remover/Installer, install the countershaft rear bearing.



5. Using the Drive Pinion Bearing Cone Installer and the Bearing Tube Remover/Installer, install the countershaft front bearing.

