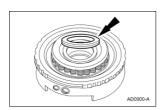
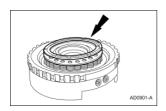
| 11 | 7H270 | No. 15 low intermediate clutch retaining washer | |
|----|-------|---|--|
| 12 | 7H266 | Low intermediate clutch support and spring | |
| 13 | 7H290 | Low intermediate clutch piston and seal assembly | |
| 14 | 7G033 | Rear planetary support assembly | |
| 15 | | No. 16 thrust washer | |
| 16 | | Lube oil transfer tube seal assembly (2 required) | |
| 17 | 7H278 | Low intermediate clutch plate friction | |

Disassembly

1. Remove the No. 15 rear sun gear thrust bearing and race.

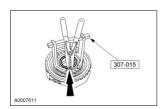


2. Remove the No. 15 low-intermediate clutch retainer washer.

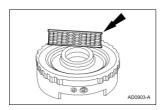


3. **A** CAUTION: Do not fully compress the clutch spring retainer.

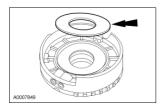
Using the special tool, remove the snap ring.



4. Remove the low-intermediate clutch support and spring assembly.



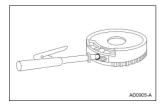
5. Remove the No. 16 final drive gear thrust washer.



6. A WARNING: To prevent injury, wear eye protection when using pressurized air.

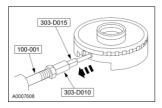
NOTE: The seal is part of the piston and is serviced as an assembly.

Using an air nozzle, apply 40 psi of regulated air to the low intermediate apply port to remove the piston and seal assembly.



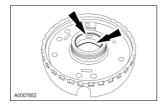
7. **A** CAUTION: Use care not to damage any machined surfaces.

Using the special tools, remove the rear lube oil transfer tube seal.



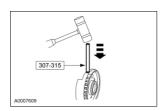
8. **NOTE:** If the bushing is worn or the fluid passage is blocked, a new rear planet support should be installed.

Repair as required.



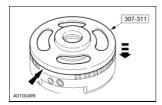
Assembly

1. Using the special tool, install the new rear lube oil transfer tube seals.

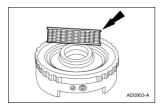


2. **NOTE:** Lightly coat all the seals and surfaces with petroleum jelly.

Install the low intermediate clutch piston and seal using the low-intermediate clutch piston protector.

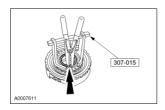


3. Install the low intermediate clutch support and spring assembly.



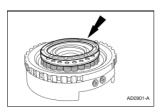
4. ▲ CAUTION: Do not fully compress the clutch spring retainer.

Using the special tool, install the snap ring.



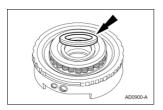
5. **A** CAUTION: Make sure the locking tabs are snapped over the retainer.

Install the No. 15 plastic spring retainer washer.



6. **NOTE:** The lip on the bearing goes over the hub. Use petroleum jelly to hold the bearing in place.

Install the rear sun gear thrust bearing and race.



7. Install the No. 16 final drive gear thrust assembly.

SECTION 307-01: Automatic Transaxle/Transmission

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Procedure revision date: 05/27/2004

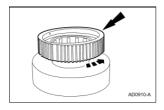
DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES

Low-Intermediate One-Way Clutch

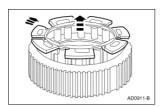


Disassembly

1. Remove the low-intermediate one-way clutch assembly.



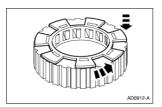
2. Remove the low-intermediate one-way clutch roller and cage. Rotate clockwise to unlock.



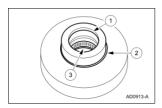
Assembly

1. **NOTE:** Before installing, clean and inspect the low-intermediate one-way clutch rollers and cage for cracks, brinelling, or scoring. Install new if necessary.

Install the low-intermediate one-way clutch roller and cage. Rotate counterclockwise to lock in place.

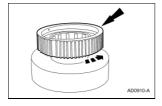


- 2. Clean and inspect the rear sun gear assembly.
 - 1. Inspect the bushing.
 - 2. Inspect the inner race.
 - 3. Inspect the bearing.



3. **NOTE:** The outer splined race should rotate counterclockwise and hold clockwise.

Install the low-intermediate one-way clutch outer race.



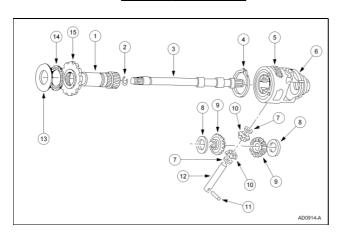
SECTION 307-01: Automatic Transaxle/Transmission

2005 Freestar/Monterey Workshop Manual

Procedure revision date: 05/27/2004

DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES

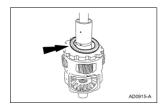
Final Drive Printable View (338 KB)



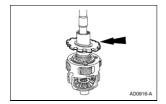
| Item | Part Number | Description |
|------|-------------|--------------------------------------|
| 1 | 7G193 | Final drive sun gear |
| 2 | N803200-S | Ring |
| 3 | 7060 | Output shaft |
| 4 | N803202-S | Ring |
| 5 | 7F342 | Sun gear assembly |
| 6 | 7F465 | Differential case |
| 7 | 4230 | Differential pinion thrust washer |
| 8 | 4228 | Differential side gear thrust washer |
| 9 | 4236 | Differential side gear |
| 10 | 4211 | Differential pinion gear |
| 11 | 67847-S | Roll pin |
| 12 | 4211 | Differential pinion shaft |
| 13 | 7F451 | Thrust washer No. 16 |
| 14 | 7F405 | Bearing No. 16 |
| 15 | 7A233 | Park gear |

Disassembly

1. Remove the No. 16 final drive gear front thrust bearing.



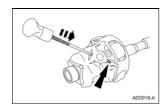
2. Remove the park gear.



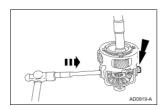
3. Remove the final drive sun gear and deflector.



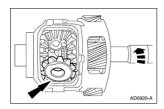
4. Remove the differential pinion shaft roll pin.



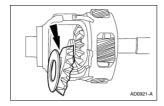
5. Remove the differential pinion shaft.



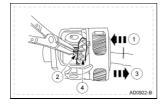
6. Rotate the output shaft and remove the differential pinion gear, and the differential pinion thrust washers.



7. Remove the differential side gear and differential side gear thrust washer.



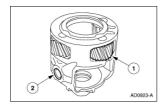
- 8. Remove the differential side gear and differential side gear thrust washer.
 - 1. Move the output shaft.
 - 2. Use the snap ring pliers to remove the retaining ring.
 - 3. Remove the output shaft.
 - 4. Remove the differential side gear and differential side gear thrust washer.



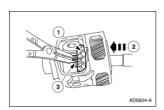
Assembly

NOTE: If excessive wobble or rotational binding or damage is found, a new final drive planet and carrier will need to be installed.

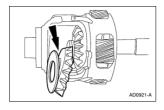
- 1. Inspect the differential pinion and side gears for looseness, discoloration, cracks or excessive gear wear.
 - 1. Inspect the final drive planet gears.
 - 2. Inspect the pinion shaft bores.



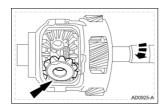
- 2. Install the differential side gear and differential side gear thrust washer.
 - 1. Install the differential side gear and differential side gear thrust washer.
 - 2. Install the output shaft.
 - 3. Install the retaining ring.



3. Install the differential side gear and differential side gear thrust washer.

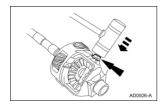


4. Install the differential pinion gears, and differential pinion thrust washers.

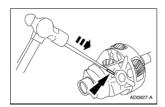


5. Install the differential pinion shaft.

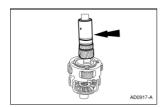
Final Drive Printable View (338 KB)



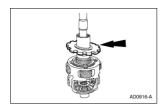
6. Install the differential pinion shaft roll pin.



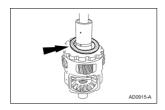
7. Install the final drive sun gear and deflector assembly.



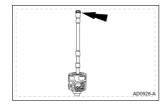
8. Install the park gear.



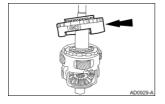
9. Install the No. 16 final drive gear front thrust bearing.



10. Install new retaining circle clips.



11. Install the low intermediate clutch piston and rear planet support.



Final Drive Printable View (338 KB)