



Differential Assembly

Removal/Installation

⚠ WARNING

- Make sure jacks and safety stands are placed properly, and hoist brackets are attached to correct positions on the engine.
- Apply parking brake and block rear wheels, so car will not roll off stands and fall on you while working under it.

CAUTION: Use fender covers to avoid damaging painted surfaces.

1. Drain the engine coolant. (see [section 10](#))
2. Remove drain plug and drain differential oil (see [page 15-4](#)).
3. Remove the driveshafts and intermediate shaft (see [section 16](#)).
4. Remove the lower plate.

NOTE: Reinstall the steering gearbox mounting bolts.

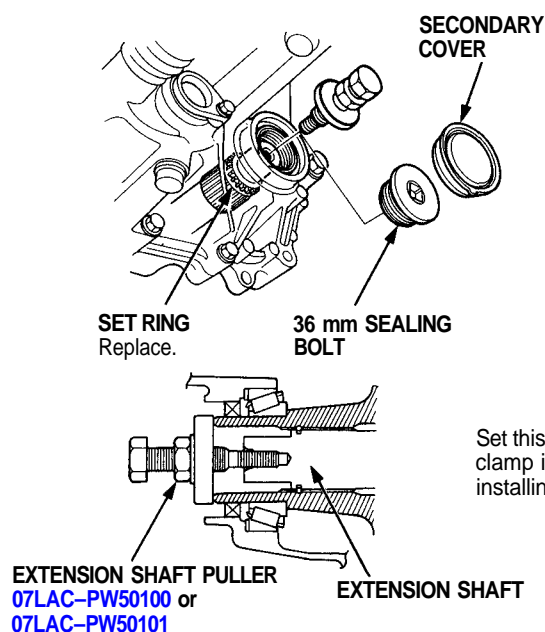
5. Remove the vehicle speed sensor (VSS)/power steering speed sensor.

NOTE: Do not disconnect the hoses.

6. Disconnect the oil cooler hoses at joint pipes.
7. Remove the secondary cover and 36 mm sealing bolt.

NOTE: Shift to low gear (M/T) or **P** position (A/T) to lock the secondary gear.

8. Disconnect the extension shaft from the differential using the special tool.
9. Remove the mounting bolts and 26 mm shim, then remove the differential assembly.



Set this bolt and breather hose clamp into the bolt hole before installing the differential assembly.

12 x 1.25 mm
65 N·m (6.5 kg-m, 47 lb-ft)

Replace.

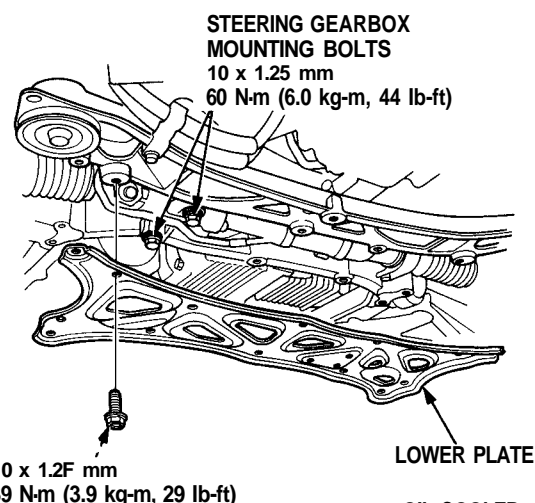
DIFFERENTIAL ASSEMBLY

12 x 1.25 mm
65 N·m (6.5 kg-m, 47 lb-ft)

26 mm SHIM

Firsttighten.

12 x 1.25 mm
65 N·m (6.5 kg-m, 47 lb-ft)



O-RING
Replace.

O-RING
Replace.

6 x 1.0 mm
12 N·m (1.2 kg-m, 9 lb-ft)

VSS
POWER STEERING SPEED SENSOR
O-RING
Replace.

(cont'd)

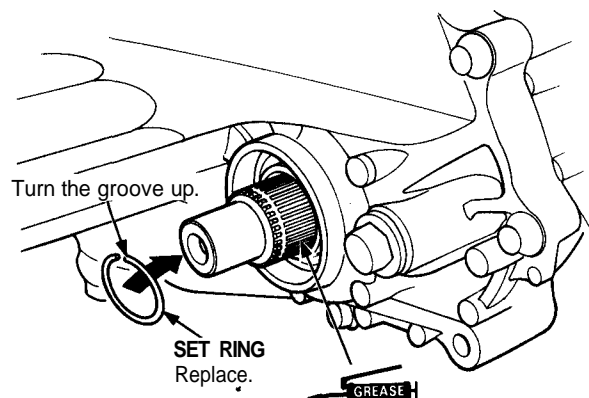
Differential Assembly

Removal/Installation(cont'd)

10. Install the differential assembly in the reverse order of removal, and as follows.

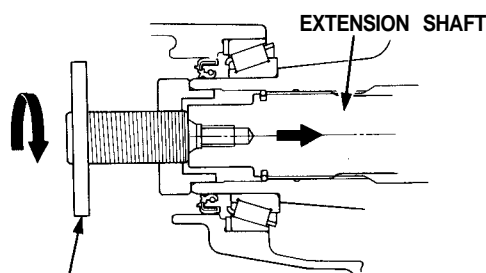
● EXTENSION SHAFT, 36 mm SEALING BOLT

- 1. Apply Super High Temp Urea Grease (P/N 08798 — 9002) to the splines of the extension shaft, then install the new set ring.



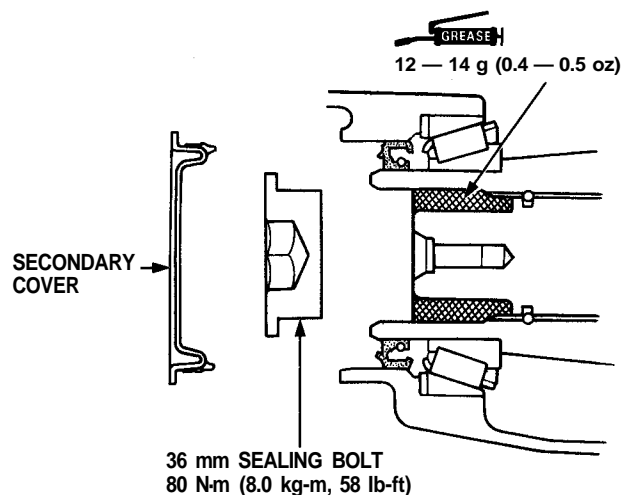
- 2. Install the extension shaft using the special tool as shown.

NOTE: Make sure extension locks in the secondary gear.



EXTENSION SHAFT INSTALLER
07MAF-PY40100 or 07MAF-PY40101

- 3. Fill the secondary gear with Super High Temp Urea Grease (P/N 08798 — 9002)

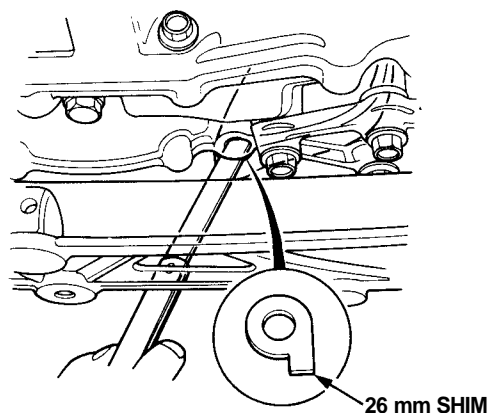


- 4. Install the 36 mm sealing bolt and secondary cover.

NOTE: Apply liquid gasket (P/N 08718 — 0001) to the 36 mm sealing bolt threads.

● ADJUSTING THE 26 mm SHIM

- 1. Install the differential assembly.
- 2. Measure the clearance between the differential case and clutch housing (M/T) or torque converter housing (A/T).



- 3. Select shim from the following table.

26 mm SHIM

| Part Number | Thickness | Measurement Value |
|-------------------|--------------------|-------------------|
| 41432 — PY4 — 000 | 1.9 mm (0.0748 in) | 1.99 — 1.9 mm |
| 41433 — PY4 — 000 | 2.0 mm (0.0787 in) | 2.09 — 2.0 mm |
| 41434 — PY4 — 000 | 2.1 mm (0.0827 in) | 2.19 — 2.1 mm |
| 41435 — PY4 — 000 | 2.2 mm (0.0866 in) | 2.29 — 2.2 mm |
| 41436 — PY4 — 000 | 2.3 mm (0.0906 in) | 2.39 — 2.3 mm |
| 41437 — PY4 — 000 | 2.4 mm (0.0945 in) | 2.49 — 2.4 mm |
| 41438 — PY4 — 000 | 2.5 mm (0.0984 in) | 2.59 — 2.5 mm |
| 41439 — PY4 — 000 | 2.6 mm (0.1024 in) | 2.69 — 2.6 mm |
| 41440 — PY4 — 000 | 2.7 mm (0.1063 in) | 2.79 — 2.7 mm |
| 41441 — PY4 — 000 | 2.8 mm (0.1102 in) | 2.89 — 2.8 mm |
| 41442 — PY4 — 000 | 2.9 mm (0.1142 in) | 2.99 — 2.9 mm |
| 41443 — PY4 — 000 | 3.0 mm (0.1181 in) | 3.09 — 3.0 mm |

11. Check the following items after reassembly.

- 1. Differential has been refilled.
- 2. Engine coolant has been refilled.
- 3. The clip at the tip of the drive shafts is completely inserted into the groove of the differential or intermediate shaft.