



Transmission Pops Out of 4th Gear

PROBLEM

The transmission intermittently pops out of 4th gear while driving at a steady speed or going over bumps.

CORRECTIVE ACTION

Replace the mainshaft 3rd gear set and 4th gear.

PARTS INFORMATION

Mainshaft 3rd Gear Set:

P/N 23444-PCY-306, H/C 6234314

(Kit includes 3rd gear, synchros, 3-4 synchro hub, and 3-4 synchro sleeve.)

Mainshaft 4th Gear:

P/N 23451-PCY-000, H/C 6234322

REQUIRED MATERIALS

Honda Manual Transmission Fluid
(1.7 quarts required per vehicle):

P/N 08798-9016, H/C 4928271

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

Operation Number: 213109

Flat Rate Time: 8.2 hours

Failed Part: P/N 23451-PCY-000
H/C 6234322

Defect Code: 037

Contention Code: B99

Template ID: 01-100A

Skill Level: Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

REPAIR PROCEDURE

NOTE: For this repair, make sure you use the *2000-02 S2000 Service Manual*. This manual has an updated transmission reassembly procedure.

1. Remove the transmission (see pages 13-5 through 13-11).

NOTE: Before you unplug the connectors for the primary and secondary heated oxygen sensors, mark or tag the connector locations to ensure correct reinstallation. Incorrect reinstallation will permanently damage the ECM.

2. Disassemble the transmission, and remove the countershaft and the mainshaft (see pages 13-12 through 13-26).
3. Replace the mainshaft 3rd gear set and the mainshaft 4th gear (see pages 13-30 through 13-35).
4. Reassemble the transmission (see pages 13-55 through 13-65).

NOTE: When you reinstall the select return spring, make sure you preload the spring by crossing the ends over the pin in the shift arm rod then insert the 8 x 40 mm pin between the spring ends.

5. Reinstall the transmission (see pages 13-66 through 13-72).
6. Fill the transmission with 1.7 quarts of Honda MTF.
7. Test-drive the vehicle to make sure the transmission works properly.