



Grinding When Shifting Into 2nd Gear (Supersedes 00-055, dated September 19, 2000)

PROBLEM

The transmission intermittently grinds when shifting into 2nd gear at high engine rpm.

CORRECTIVE ACTION

Replace the countershaft 1st gear and the countershaft 2nd gear set.

PARTS INFORMATION

Countershaft 1st Gear:

P/N 23421-PCY-000, H/C 6234272

Countershaft 2nd Gear Set:

P/N 23432-PCY-306, H/C 6234298

(Kit includes 2nd gear, synchros, synchro hub, and synchro sleeve.)

Locknut (29 mm):

P/N 90202-PCY-000, H/C 6245286

REQUIRED MATERIALS

Honda Manual Transmission Fluid
(1.6 quarts):

P/N 08798-9016, H/C 4928271

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

Operation Number: 213106

Flat Rate Time: 8.2 hours

Failed Part: P/N 23432-PCY-306
H/C 6234298

Defect Code: 031

Contention Code: B07

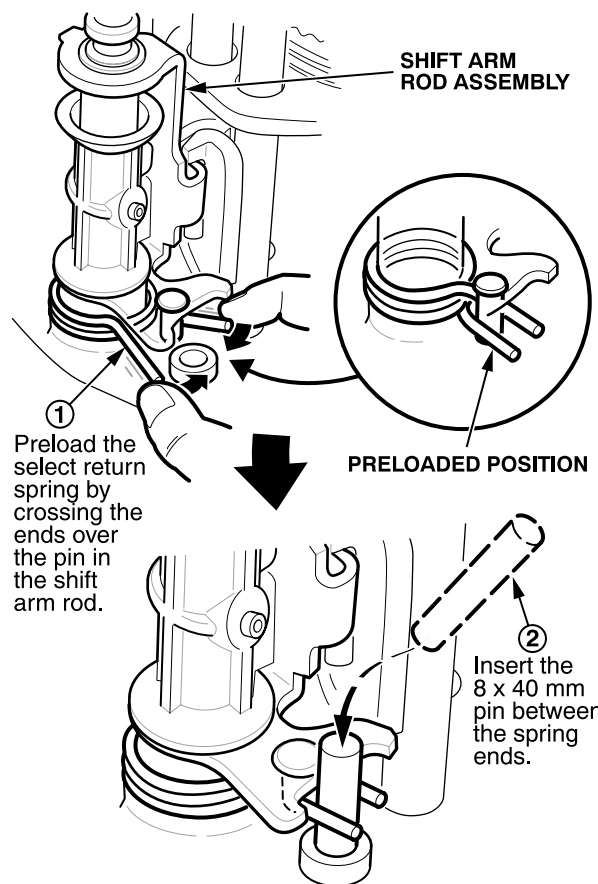
Template ID: 00-055A

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

1. Remove the transmission (see pages 13-5 through 13-11 of the 2000 S2000 Service Manual).
2. Disassemble the transmission, and remove the countershaft and the mainshaft (see pages 13-12 through 13-26).
3. Replace the countershaft 1st gear and the countershaft 2nd gear set (see pages 13-38 through 13-44).
4. Reassemble the transmission (see pages 13-55 through 13-65). Make sure you install the select return spring and the 8 x 40 mm pin as shown.



5. Reinstall the transmission (see pages 13-66 through 13-72).
6. Fill the transmission with 1.6 quarts of Honda MTF.
7. Test-drive the vehicle to make sure the transmission shifts smoothly into 2nd gear with no grinding. Do *not* exceed 4,000 rpm for the first 12 shifts into 2nd gear.