



Applies To: **2000 S2000** – From VIN JHMAP1...YT000001 thru JHMAP1...YT006255

June 12, 2001

## 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

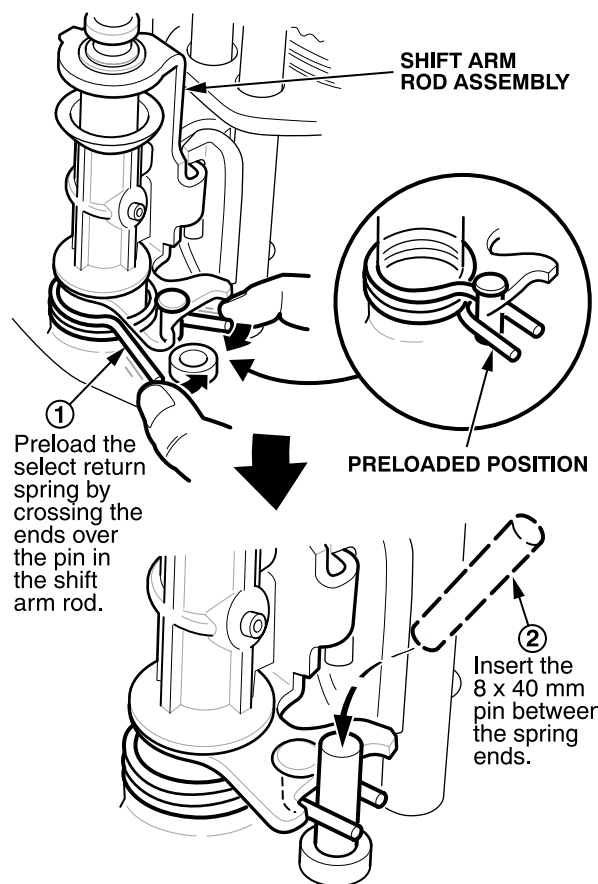
Template ID: 00-055A

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.