

**Buzzing From the Engine or Transmission While Decelerating**

(Supersedes 00-054, dated March 20, 2001)

SYMPTOM

While decelerating in 3rd or 2nd gear, a buzzing or rattling comes from the engine or transmission between 4,000 and 3,000 rpm. This noise sounds similar to a heat shield rattle, and it goes away if you press lightly on the accelerator pedal or disengage the clutch.

PROBABLE CAUSE

Gear backlash in the transmission.

BACKGROUND

Clearance between transmission gears (backlash) is normal and sometimes audible. In an S2000, this noise is more noticeable since the transmission is between the seats instead of up front in the engine compartment. When the vehicle decelerates, its weight, together with the pulses from the engine, excites the transmission gears, causing them to buzz or rattle.

The four springs in the clutch disc hub act as a damper. The clutch disc listed in this service bulletin is an improved version of the countermeasured disc released a year ago. Extensive testing has shown it to be quieter than any previous S2000 clutch discs.

If your customer had the previous clutch disc installed but still complains of deceleration noise, install the clutch disc listed in this service bulletin.

CORRECTIVE ACTION

Replace the clutch disc with the improved clutch disc.

PARTS INFORMATION

Clutch Disc: P/N 22200-PCX-055, H/C 6855126

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

Operation Number: 213113

Flat Rate Time: 4.8 hours

Failed Part: P/N 22200-PCX-005
H/C 6234132

Defect Code: 042

Contention Code: B07

Template ID: 00-054A

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 service manual).
2. Replace the clutch disc (see pages 12-7 through 12-11).
3. Reinstall the transmission (see pages 13-66 through 13-72).
4. Test-drive the vehicle to make sure it operates normally.

