

Rear Drive Halfshafts

Principles of Operation

Inspection and Verification

1. Verify the customer concern.
2. Visually inspect for obvious signs of mechanical damage.

Visual Inspection Chart

Mechanical
<ul style="list-style-type: none"> ▪ Loose hardware ▪ Constant velocity (CV) joint boot(s) ▪ CV joint(s) ▪ Rear drive halfshaft(s)

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
4. If the cause is not visually evident, verify the symptom and REFER to Symptom Chart.

Symptom Chart

Symptom	Possible Causes	Action
• Driveline clunk - loud clunk when shifting from REVERSE to DRIVE	• Damaged or worn CV joints.	• INSPECT the CV joints for wear or damage. INSTALL a new rear drive halfshaft as necessary. REFER to: Rear Halfshaft (205-05) .
• Driveline clunk — occurs as the vehicle starts to move forward following a stop	• Loose hub nut.	• CHECK the torque on the hub nut. INSTALL a new hub nut if the torque is not to specification. For hub nuts, REFER to: Rear Halfshaft (205-05) .
• Grunting — normally associated with a shudder experienced during acceleration from a complete stop	• Rear drive halfshaft CV joint binding.	• CHECK the outer CV joint for correct seating into the hub. REPAIR as necessary. REFER to: Rear Halfshaft (205-05) .
• Driveline vibration - occurs at cruising speeds	• Rear drive halfshaft CV joint binding or damaged.	• CHECK the outer CV joint for correct seating into the hub. REPAIR as necessary. REFER to: Rear Halfshaft (205-05) .

Rear Drive Halfshaft Seals

NOTICE: When installing rear drive halfshafts, do not allow the splines to contact the rear drive halfshaft seals during installation or damage to the rear drive halfshaft seals may occur.

Rear drive halfshaft seals are susceptible to the same types of damage as drive pinion seals if incorrectly installed. The seal bore must be clean and the lip handled carefully to avoid cutting or tearing it. The seal journal surface must be free of nicks, gouges and rough surface texture.

For information on installing rear drive halfshaft seals, REFER to: Rear Halfshaft Seal (205-02) .

