

Rear Drive Halfshafts

Preliminary Inspection

1. Visually inspect the CV joints, housing, boots, and clamps for obvious signs of mechanical damage.
2. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step
3. If the cause is not visually evident, verify the symptom and REFER to Symptom Chart: NVH.

Symptom Chart(s)

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.
REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

Symptom Chart: NVH

Symptom Chart

Condition	Possible Sources	Actions
Driveline clunk - loud clunk when shifting from REVERSE to DRIVE	• Damaged or worn Constant Velocity (CV) joints	• INSPECT the Constant Velocity (CV) joints for wear or damage. INSTALL a new halfshaft as necessary. REFER to: Rear Halfshaft (205-05 Rear Drive Halfshafts, Removal and Installation).
	• Loose hub nut	• CHECK the torque on the hub nut. REPLACE the hub nut if the torque is not at specification. For hub nuts. REFER to: Wheel Bearing and Wheel Hub - AWD (204-02 Rear Suspension, Removal and Installation).
Driveline clunk " occurs as the vehicle starts to move forward following a stop	• Loose hub nut	• CHECK the torque on the hub nut. REPLACE the hub nut if the torque is not at specification. REFER to: Rear Halfshaft (205-05 Rear Drive Halfshafts, Removal and Installation). REFER to: Wheel Bearing and Wheel Hub - AWD (204-02 Rear Suspension, Removal and Installation).
Grunting " normally associated with a shudder experienced during acceleration from a complete stop	• Halfshaft Constant Velocity (CV) joint binding	• CHECK the outer Constant Velocity (CV) joint for correct seating into the hub. REPAIR as necessary. REFER to: Rear Halfshaft (205-05 Rear Drive Halfshafts, Removal and Installation).
Driveline vibration - occurs at cruising speeds	• Binding or damaged Constant Velocity CV joint	• CHECK the outer CV joint for correct seating into the hub. REPAIR as necessary. REFER to: Rear Halfshaft (205-05 Rear Drive Halfshafts, Removal and Installation). REFER to: Wheel Bearing and Wheel Hub - AWD (204-02 Rear Suspension, Removal and Installation).

Differential Seals

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

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.