

Rear Drive Axle and Differential

Preliminary Inspection

1. Visually inspect the housing, seals, and pinion flange 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 - Differential

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Condition	Possible Sources	Actions
Axle overheating	• Axle lubricant low	• CHECK the lubricant level. FILL the axle to specification. REFER to: Differential Fluid Level Check (205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, General Procedures).