

	Vehicles With: Electronic Locking Differential (ELD) .
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D3 CHECK THE ELD FIELD COIL GROUND

Measure:

Positive Lead	Measurement / Action	Negative Lead
ELD field coil pin 2 component side	Ω	Ground

Is the resistance less than 3 ohms?

Yes	To repair the rear differential, Vehicles With: Ford 8.8 Inch Ring Gear, REFER to: Differential Carrier - Vehicles With: Electronic Locking Differential (ELD) . Vehicles With: Ford 9.75 Inch Ring Gear, REFER to: Differential Carrier - Vehicles With: Electronic Locking Differential (ELD) . CLEAR the DTCs.
No	REPAIR the circuit.

DIAGNOSIS AND TESTING > 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 .

DIAGNOSIS AND TESTING > REAR DRIVE AXLE AND DIFFERENTIAL > SYMPTOM CHART(S)

Diagnostics in this article assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods .