

DIAGNOSIS AND TESTING > ELECTRONIC LOCKING DIFFERENTIAL (ELD) > INSPECTION AND VERIFICATION

1.

Verify the customer concern.

2.

Visually inspect for obvious signs of mechanical or electrical damage.

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 the Symptom Chart .

Visual Inspection Chart

Mechanical	Electrical
Rear axle assembly Matching tire sizes	BJB Fuses fuse 110 (10A) fuse 72 (25A) fuse 40 (15A) Wiring, terminals or connectors MSS ELD field coil TCCM

DIAGNOSIS AND TESTING > ELECTRONIC LOCKING DIFFERENTIAL (ELD) > DTC CHART: TCCM

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

DTC	Description	Action
P0562:00	System Voltage Low: No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case . REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
P0563:00	System Voltage High: No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case

		. REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
P185A:00	Differential Lock-Up Input Switch Circuit High: No Sub Type Information	GO to Pinpoint Test A
P185D:00	Differential Lock-Up Control Circuit Low: No Sub Type Information	GO to Pinpoint Test D
P187C:00	Differential Lock-Up Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test B
P187D:00	Differential Lock-Up Control Circuit Low: No Sub Type Information	GO to Pinpoint Test B
P187E:00	Differential Lock-Up Control Circuit High: No Sub Type Information	GO to Pinpoint Test C
U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case . REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
U0101:00	Lost Communication With TCM "A": No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case . REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
U0121:00	Lost Communication With Anti-Lock Brake System (ABS) Control Module: No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case . REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
U0140:00	Lost Communication With Body Control Module (BCM): No Sub Type Information	REFER to: Four-Wheel Drive Systems - Vehicles With: 2-Speed Torque On Demand Transfer Case . REFER to: Four-Wheel Drive Systems - Vehicles With: Electronic Shift Transfer Case .
U0418:00	Invalid Data Received From Brake System Control Module: No Sub Type Information	REFER to: Anti-Lock Brake System (ABS) and Stability Control .

U2300:54	Central Configuration: Missing Calibration	This DTC sets if one or more expected configuration data identifications is missing (gearbox type, tire circumference) from the BCM. CARRY OUT a self-test of the BCM. If DTCs are present, REFER to: Body Control Module (BCM) . If no DTCs are present, CARRY OUT a self-test. If U2300:54 returns, INSTALL a new TCCM. REFER to: Transfer Case Control Module (TCCM) .
U2300:55	Central Configuration: Not Configured	This DTC sets upon power up only until all expected configuration data parameters (gearbox type, axle ratio, tire circumference) are received from the BCM. CARRY OUT a self-test of the BCM. If DTCs are present, REFER to: Body Control Module (BCM) . If no DTCs are present, CLEAR the DTCs. CARRY OUT self-test. If U2300:55 returns, INSTALL a new TCCM. REFER to: Transfer Case Control Module (TCCM) .
U2300:56	Central Configuration: Invalid / Incompatible Configuration	This DTC sets if one expected configuration data parameter is out of range (gearbox type, axle ratio, tire circumference) from the BCM. CARRY OUT a self-test of the BCM. If DTCs are present, REFER to: Body Control Module (BCM) . If no DTCs are present, CARRY OUT a self-test. If U2300:56 returns, INSTALL a new TCCM. REFER to: Transfer Case Control Module (TCCM) .
U2300:64	Central Configuration: Signal Plausibility Failure	This DTC sets if the expected axle ratio or tire circumference is out of range from the BCM. CARRY OUT a self-test of the BCM. If DTCs are present, REFER to: Body Control Module (BCM) . If no DTCs are present, CARRY OUT a self-test. If U2300:64 returns, INSTALL a new TCCM. REFER to: Transfer Case Control Module (TCCM) .