

Diagnosis and Testing

General Equipment

Ford diagnostic equipment

Refer to Wiring Diagram Section 081-1 for schematic and connector information.

Inspection and Verification

NOTE: Before retrieving the vehicle-specific data make sure that all electrical connections in the vehicle are reconnected so that the module and the Ford diagnostic equipment can communicate correctly.

NOTE: If a new body control module (BCM) is being installed, the new module must be configured following installation. For this purpose, the vehicle-specific data is retrieved from the module to be changed using the Ford diagnostic equipment and is transferred to the new module.

1. Verify the customer concern.
2. Visually check for any obvious mechanical or electrical damage.

VISUAL INSPECTION CHART

Mechanical	Electrical
• Wiper blade(s) • Rotating shaft – wiper arm • Wiper linkage • Washer reservoir • Hose(s) • Nozzles • Check the windshield wiper for residue-free wiping in the vicinity of the autolamp and rain sensor. • Check the adhesive pad between the autolamp and rain sensor and the windshield for trapped air. • Clean wax residues from the windshield in the vicinity of the autolamp and rain sensor. • Check the windshield for damage/cracks in the vicinity of the autolamp and rain sensor. • Check that the autolamp and rain sensor retaining frame is correctly attached to the windshield.	• Fuse(s) • Relay(s) • Wiring harness • Electrical connector(s) • Washer pump • Windshield wiper motor • Rear window wiper motor • Autolamp and rain sensor • Battery junction box (BJB) • Auxiliary junction box (AJB) • Body control module (BCM)

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 [Ford diagnostic equipment](#) to diagnose the system.