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EXTERIOR LIGHTING

FOG LAMPS (G2401016)

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PRINCIPLE OF OPERATION

For a detailed description of the fog lamps system and operation, refer to the relevant Description and Operation section of the workshop manual. REFER to: [Exterior Lighting](#) (417-01 Exterior Lighting, Description and Operation).

INSPECTION AND VERIFICATION

 CAUTION:

Diagnosis by substitution from a donor vehicle is **NOT** acceptable. Substitution of control modules does not guarantee confirmation of a fault and may also cause additional faults in the vehicle being checked and/or the donor vehicle.

 NOTES:

- If a control module or a component may be at fault and the vehicle remains under manufacturer warranty, refer to the Warranty Policy and Procedures manual, or determine if any prior approval program is in operation, prior to the installation of a new module/component.
- When performing voltage or resistance tests, always use a digital multimeter accurate to three decimal places, and with an up-to-date calibration certificate. When testing resistance always take the resistance of the digital multimeter leads into account.
- Check and rectify basic faults before beginning diagnostic routines involving pinpoint tests.

1. Verify the customer concern
2. Visually inspect for obvious signs of damage and system integrity

Visual Inspection

MECHANICAL

ELECTRICAL

MECHANICAL	ELECTRICAL
■ Rear fog lamp condition and installation ■ Fog lamp switch condition and installation	■ Fuses ■ Wiring harness ■ Loose or corroded connector(s) ■ Fog lamp(s) ■ Fog lamp relay ■ Fog lamp warning indicator ■ Fog lamp switch ■ Body control module ■ Headlamp control module ■ Battery junction box

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, alternatively check for Diagnostic Trouble Codes (DTCs) and refer to the DTC Index
5. Check JLR claims submission system for open campaigns. Refer to the corresponding bulletins and SSMS which may be valid for the specific customer complaint and complete the recommendations as required

SYMPTOM CHART

SYMPTOM	POSSIBLE CAUSE	ACTION
Fog lamp inoperative	■ Fuse(s) blown ■ Circuit fault ■ Switch inoperative	Check the fuse(s). Check the fog lamp circuits. Check the switch function. Refer to the electrical guides
Fog lamp dim	■ Circuit fault ■ Switch fault	Check the fog lamp circuits. Check the switch function. Refer to the electrical guides

SYMPTOM	POSSIBLE CAUSE	ACTION
Warning indicator inoperative	■ Fuse(s) blown ■ Switch inoperative ■ Circuit fault ■ Instrument cluster fault	Check the fuse(s). Check the switch function. Check the warning indicator circuits. Refer to the electrical guides. Check for DTCs indicating an instrument cluster fault

DTC INDEX

For a list of Diagnostic Trouble Codes (DTCs) that could be set on this vehicle, please refer to Section 100-00. REFER to: [Diagnostic Trouble Code Index - DTC: Body Control Module \(BCM\)](#) (100-00 General Information, Description and Operation).

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