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EXTERIOR LIGHTING

STOPLAMPS (G2401019)

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DIAGNOSIS AND TESTING

PRINCIPLE OF OPERATION

For a detailed description of the exterior lighting 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 the control module or a component may be at fault and the vehicle remains under manufacturer warranty, refer to the Warranty Policy and Procedures manual (section B1.2), 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 mechanical or electrical damage

Visual Inspection

MECHANICAL

ELECTRICAL

MECHANICAL	ELECTRICAL
■ Stop lamp condition and installation ■ Stop lamp switch condition and installation	■ Fuses ■ Wiring harness ■ Loose or corroded connector(s) ■ Hill descent relay ■ Battery junction box ■ Body control module ■ Anti-lock brake system control module ■ CAN circuits

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 relevant 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 CAUSES	ACTION
Stop lamp (s) inoperative	■ LED lamp failure ■ Fuse(s) blown ■ Circuit fault ■ Stop lamp switch fault	Check the LED lamp and fuse condition. Check the stop lamp circuits. Check the stop lamp switch function. Refer to the electrical guides. Check for DTCs indicating a stop lamp circuit fault
Stop lamp (s) dim	■ Circuit fault	Check the LED lamp condition and rating. Check the stop lamp circuits. Refer to the electrical guides
Stop lamp (s) stuck on	■ Stop lamp switch fault ■ Circuit fault ■ Hill descent relay circuit fault	Check the stop lamp switch function. Check the stop lamp circuits. Refer to the electrical guides. Check for DTCs indicating a stop lamp circuit 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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