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EXTERIOR LIGHTING

TURN SIGNAL, CORNERING AND HAZARD LAMPS

[G2401023]

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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
■ Turn signal lamp(s) condition and installation ■ Steering column multifunction switch and installation ■ Hazard lamp switch condition and installation	■ Fuse(s) ■ Wiring harness ■ Loose or corroded connector(s) ■ Battery junction box ■ Steering angle sensor ■ ABS control module ■ Instrument cluster ■ Headlamp control module ■ Body control module ■ Restraints 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 CAUSE	ACTION
Turn signal /hazard lamp(s) inoperative	■ Fuse(s) blown ■ Circuit fault ■ Steering column multifunction switch fault ■ Hazard lamp switch fault	Check the fuse condition. Check the turn signal/hazard lamp circuits. Check the steering column multifunction switch function. Check the hazard lamp switch function. Refer to the electrical guides. Check the headlamp control module and body control module for DTCs indicating a turn signal /hazard lamp circuit fault

SYMPTOM	POSSIBLE CAUSE	ACTION
Turn signal /hazard lamp(s) dim	■ Circuit fault ■ Left steering column multifunction switch fault ■ Hazard lamp switch fault	Check the turn signal/hazard lamp circuits. Check the steering column multifunction switch function. Check the hazard lamp switch function. Refer to the electrical guides
Turn signal /hazard lamp(s) stuck on	■ Steering column multifunction switch fault ■ Hazard lamp switch fault ■ Circuit fault	Check the turn signal/hazard lamp circuits. Check the steering column multifunction switch function. Check the hazard lamp switch function. Refer to the electrical guides. Check the headlamp control module and body control module for DTCs indicating a turn signal/hazard lamp circuit fault
Animation in turn signal inoperative	■ Feature is not enabled in the vehicle set up menu ■ Animation signal fault	■ Check the feature is enabled in the vehicle set up menu ■ Refer to the electrical guides. Check for DTCs indicating a turn signal/hazard lamp circuit fault
Warning lamp(s) inoperative	■ Fuse(s) blown ■ Steering column multifunction switch inoperative ■ Hazard lamp switch inoperative ■ Circuit fault ■ Instrument cluster fault	Check the fuse(s). Check the steering column multifunction switch function. Check the hazard lamp switch function. Check the warning lamp circuits. Refer to the electrical guides. Check the headlamp control module and body control module for DTCs indicating a turn signal/hazard lamp circuit fault. Check for DTCs indicating an instrument cluster or CAN system 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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