

Reference	SSM74147
Models	Discovery / L462 Discovery Sport / L550 Range Rover / L405 Range Rover Evoque / L538 Range Rover Sport / L494
Title	SOS Limited Functionality warning displayed on the Instrument Cluster - Antenna DTC's Stored
Category	Electrical
Last modified	05-Nov-2018 00:00:00
Symptom	206000 Warning Indicators

Content	<u>Models Affected:</u> L538: 16 & 17 MY L550: 16 & 17 MY L494: 16 & 17 MY L405: 16 & 17 MY L462: 17MY <u>Issue:</u> SOS Limited Functionality displayed on the Instrument Cluster (IC) and Multiple Diagnostic Trouble Codes (DTC's) may be stored in the Telematics Control Module (TCU). All or a combination of the following DTC's may be present in the TCU: • B1A56-11 - Antenna - Circuit short to ground (GSM antenna circuit short circuit to ground) • B1A56-15 - Antenna - Circuit short to battery or open (GSM antenna circuit short circuit to power, open circuit, high resistance) • B119F-01 - GPS Antenna - General electrical failure (Global positioning system antenna circuit short circuit to ground, short circuit to power) • B119F-13 - GPS Antenna - Circuit open (Global positioning system antenna circuit open circuit, high resistance)
----------------	---

SOS Limited Functionality may affect the TCU's ability to support the ECall function when required by the customer.

Cause:

Issue is caused due to TCU reading the Ground (DC ground shift or AC ground transients) incorrectly from the Antenna harness.

Action:

Diagnostic Procedure:**Pathfinder:**

1. Caution - This procedure requires Pathfinder 195 loaded or later.
2. Connect the JLR approved battery support unit.
3. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
4. Follow the JLR approved diagnostic equipment prompts.
5. Select 'ECU Diagnostics'.
6. Select 'Telematics Control Module (TCU)'
7. Select 'Update ECU'.
8. Follow all on-screen instructions to complete the task.
9. When all of the tasks are complete, clear all diagnostic trouble codes.
10. Read diagnostic trouble codes to ensure no codes are present from the Telematics module.
11. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

SDD:

1. Caution - This procedure requires Symptom Driven Diagnostics (SDD) 154.05 loaded or later.
2. Connect the JLR approved battery support unit.
3. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
4. Follow the Jaguar Land Rover approved diagnostic equipment prompts.
5. Select 'Diagnosis' Session Type.
6. Select the following symptom: Electrical - Information and Entertainment System - Entertainment System - Telematics Control Module
7. Select 'Configure existing module - Telematics control unit module'.
8. When all of the tasks are complete, clear all diagnostic trouble codes.
9. Read diagnostic trouble codes to ensure no codes are present from the Telematics module.
10. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.