

Reference	SSM74176
Models	Discovery / L462 Discovery Sport / L550 Range Rover / L405 Range Rover Evoque / L538 Range Rover Sport / L494 Range Rover Velar / L560
Title	Body Control Module Outputs Not Functioning with DTC U1000-00 stored.
Category	Electrical
Last modified	04-Dec-2018 00:00:00
Symptom	203000 Basic Electrical

Content**Models affected:**

L538 14MY onwards
L550 15MY onwards
L405 14MY onwards
L494 14MY onwards
L462 17MY onwards
L560 18MY onwards

Issue:

A customer may report one or more Body Control Module (BCM) outputs not functioning.

Examples of these may include:

Exterior lighting, Interior lighting, Sun roof blinds, Steering Wheel Adjust, Eco stop start etc...

One or more of these symptoms may be accompanied by DTC U1000-00 (Solid State Driver Protection Active - Driver Disabled) present in the BCM.

If DTC U1000-00 is not present in the BCM do not continue with this SSM. Continue to diagnose and repair the inoperative BCM output as necessary using Topix as a guide.

Cause:

When repeated short circuits occur the BCM goes into a self-protection mode.

In this mode outputs where short circuits have been repeatedly seen are disabled.

This is indicated by the presence of the DTC U1000-00 stored in the BCM.

This is done to prevent any possible damage to the BCM and other vehicle systems.

Action:

Note - Do not replace the BCM

Using the Jaguar Land Rover (JLR) approved diagnostic equipment, check for any short circuit DTCs.

These are DTCs ending in -11, -12, -14 & -15.

Repair all circuits as necessary using Topix as a guide.

SDD DIAGNOSTIC PROCEDURE:

CAUTION: This procedure requires a minimum of SDD 155.00 and Software Management Pack 305 loaded or later.

NOTE: The Jaguar Land Rover (JLR) approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation mode' if required.

1. Connect the JLR approved battery support unit.
2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
3. Follow the Jaguar Land Rover approved diagnostic equipment prompts.
4. Select the 'Service Functions' Session Type
5. Run 'Body systems - Enable Protected Outputs'
6. When all of the tasks are complete, exit the session.
7. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

PATHFINDER DIAGNOSTIC PROCEDURE:

CAUTION: This procedure requires a minimum of Pathfinder 203 loaded or later.

NOTE: The Jaguar Land Rover (JLR) approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and automatically take the vehicle out of 'Transportation mode' if required.

1. Connect the JLR approved battery support unit.
2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
3. Follow the JLR approved diagnostic equipment prompts.
4. Select 'ECU Diagnostics'.
5. Select 'Body Control Module [BCM]'
6. Select 'ECU Functions'
7. Select 'Enable Protected Outputs'
8. Follow all on-screen instructions to complete the task.
9. When all of the tasks are complete, exit the session.
10. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

For all vehicles:

Test the operation of the repaired circuit.

Using the Jaguar Land Rover (JLR) approved diagnostic equipment, recheck for short circuit DTC's and U1000-00 stored in the BCM.

If the action fails to rectify the concern, please raise a Technical Assistance (TA)

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.