

U0401-00 INVALID DATA RECEIVED FROM ECM/PCM A

Customer Voice:

- Engine light is on after remote start.

Range Rover

- 24MY Range Rover
- 24MY Range Rover Sport

Technical Description:

- Code in PCM will be U0401-00 – Invalid data. This is caused by a potential vehicle CCF mis-Match.

Status:

- Using TOPIx DTC help text the chart below should be followed for code U0401-00.

Cause	Action
Powertrain Control Module (PCM) power or ground circuit open circuit, high resistance Vehicle CCF Mis-match	NOTE: Any short circuit, open circuit, or high resistance faults detected on the FlexRay harness should be repaired in accordance with the Jaguar Land Rover approved wiring harness repair procedure maintaining 90 to 100 ohms across the FlexRay network, maintaining the wire twist rate (20mm+/-2mm for one full 360° twist), using no more than of five in-line connectors on each branch of the FlexRay network. For further information refer to section 418-02 Wiring Harness, Description and Operation, in the workshop manual. Prioritized steps to perform: 1. Update Vehicle CCF File - GWM 2. Refer to the electrical circuit diagrams and check the PCM power and ground circuits for open circuit, high resistance. Repair the wiring harness as necessary
Controller Area Network (CAN) bus (FlexRay) circuit short circuit to ground, short circuit to power, open circuit, high resistance	Refer to the electrical circuit diagrams and check the CAN bus (FlexRay) circuit for short circuit to ground, short circuit to power, open circuit, high resistance. Repair the wiring harness as necessary
Engine system fault	Using the Jaguar Land Rover (JLR) approved diagnostic equipment, check the PCM for related Diagnostic Trouble Codes (DTC) and refer to the relevant DTC help text