

Reference	SSM71832
Models	XK / X150 F-TYPE / X152 XJ / X351 XF / X250
Title	Diagnostic process for Drivers Airbag Warning Light Circuit
Category	Electrical
Last modified	06-May-2014 00:00:00
Symptom	206000 Warning Indicators

Issue:-

Customers have reported that the Airbag Warning light has illuminated in the Instrument Cluster after a previous repair.

Cause:-

The Drivers Airbag Circuit has been incorrectly diagnosed as being at fault or has more than one fault present.

Indication of failure

Airbag Warning Light Illuminated.

Action:-

If any of the DTCs listed below have been logged on the vehicle then carry out the diagnostic steps detailed in 'Diagnostic Steps'. If any other DTCs relating to the Airbag circuit are logged then refer to the RCM DTC list

Content within Topix to identify the faulty circuit and the correct pin point tests.

Drivers Airbag Circuit DTC's

B0001 11 Driver Frontal Stage 1 Deployment Control leakage to Ground

B0001 12 Driver Frontal Stage 1 Deployment Control leakage to Battery

B0001 1A Driver Frontal Stage 1 Deployment Control Resistance Too Low

B0001 1B Driver Frontal Stage 1 Deployment Control Resistance Too High

B1A17 95 Driver Stage 1 Airbag Squib Cross Wired

B0002 11 Driver Frontal Stage 2 Deployment Control leakage to Ground

B0002 12 Driver Frontal Stage 2 Deployment Control leakage to Battery

B0002 1A Driver Frontal Stage 2 Deployment Control Resistance Too Low

B0002 1B Driver Frontal Stage 2 Deployment Control Resistance Too High

B1A19 95 Driver Stage 2 Airbag Squib Cross Wired

Diagnostic steps:

1. Connect SDD unit and read DTC's
2. Checks RCM and confirm if any of the DTC's listed above are present.
3. If the DTC's recorded are NOT listed above the fault is NOT within the driver's airbag circuit. Use the RCM DTC list within Topics to identify the faulty circuit.
4. If one of the DTC's listed below is present use the SDD logger function to check the Deployment control circuit resistance.
 - a. Select: Measurement Applications
 - b. Select: Recommendations
 - c. Select: Complete vehicle data logger
 - d. Select: 501.00 Body System
 - e. Select: Deployment control 0 resistance.
 - f. Select: Deployment control 1 resistance.
5. Check the resistance values are within the specified limits (listed below).
6. Perform a dynamic test by observing the resistance values while rotating the steering wheel from lock to lock. (No variation in resistance should be seen).
7. If a variation in the resistance is seen, record the steering position where the fault was present and the resistance value.
8. Remove the airbag in accordance with the relevant workshop manual.
9. Check the airbag connections
10. Remove the cowl and check the clock spring connection.
11. Repeat steps 4-6
12. If the resistance is still out of specification, replace the clock spring in accordance with the relevant workshop manual instructions.
13. Record the steering position where the fault was present and the resistance value, in the Technical verbatim within the concern report.