

Special Service Message



NOTE: A Special Service Message is a formal communication issued by Jaguar and carries the same importance of a Technical Service Bulletin. An SSM is a quick method of communicating "Need To Know" information to the technical service community. SSM's may be issued in advance of a technical bulletin or may be the only communication on a given topic. All information contained in Jaguar technical communications are intended for use by trained, professional technicians with the knowledge, tools, and equipment required to complete the procedure correctly and safely. It informs the Technicians of conditions that may occur on some vehicles, or provides information that could assist in correct vehicle and diagnostic service.

SSM 47617 - PDC (Park Distance Control) sensor no fault found/water ingress

Models : X150 - XK

X152 - F-Type

X250 - XF

X351 - XJ

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Last Modified : 11-04-2013 14:06:25

Category : Electrical

Symptom : 206000 Warning Indicators

Content : Issue

Park Distance Control (PDC) sensors are being returned with no faults found or signs of water ingress/corrosion.

Cause

Possible manufacturing issue with sensor connectors not latched correctly

Action

When either no / intermittent operation has been reported the following action should be taken if SDD reports a permanent or intermittent sensor failure with either one (or both) of the following failure descriptions

General Electrical Failure (0x01)

Component Internal Failure (0x96)

1. Using SDD identify the position of the suspect sensor within bumper. Confirm that the failure type is either 0x01 or 0x96 or both.

2. Visually locate the position of the suspect sensor. Inspect and provide details in the warranty claim if the sensor has any sign of physical damage.

3. Remove the bumper. Disconnect the wiring at the main harness connector. Inspect the main harness connectors &

terminals for signs of damage, backed out pins, corrosion/water ingress, or damage to the seals. Provide detail in the warranty claim.

4. Attempt to remove the harness connector from the suspect sensor without using the connector latch i.e. lightly pull back on ALL wires together ensuring the harness is held close to the back of the connector. DO NOT APPLY EXCESSIVE FORCE. If the connector can be removed without using the latch, provide details in the warranty claim. If the connector is fully latched, disconnect it from the sensor.

5. Inspect and provide details in claim if the suspect sensor harness connector has any sign of water ingress/corrosion.

6. Inspect and provide details in claim if the suspect sensor harness connector shows any sign that the terminals have "backed-out" of the connector or for any damage to the terminal seals. Replace/repair the harness as required and proceed.

7. Remove the suspect sensor from the bumper. Inspect the sensor connector for signs of water ingress/corrosion. Provide details in the warranty claim if corrosion/water ingress is present.

8. Exchange the suspect sensor with another sensor within the bumper that is not reporting a fault. Reconnect all sensors and reconnect the bumper main harness connector. Repeat Step 1. Confirm if the original fault code now appears at the new position of the suspect sensor, if so, proceed to step 9. If not, carry out the appropriate "Open Circuit and Short Circuit" checks between the original suspect sensor harness connector and the PDC module

9. Refit the sensors to their original position in the bumper.

10. Reconnect the sensor to the bumper harness connector. Reconnect main harness connector and refit the bumper.

11. Repeat Step 1. If fault code is still present REPLACE ONLY THE FAULTY SENSOR. Repeat step 1 to determine that all faults are now cleared.