



XJ range

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SERVICE

TECHNICAL BULLETIN

Front Air Suspension –
Deletion Of Right Side Sensor –
Change Of Vehicle Specification

MODEL 2004 MY-ON
XJ range

VIN G26872-ON

Issue:

2004 MY-on XJ range vehicles from VIN G26872, will be built without the front right side air suspension height sensor, bracket and electrical harness. A revised air suspension module is used with the three sensor system. No air suspension functionality is affected.

Action:

Observe the following procedural changes which are necessary as a result of the deletion of the front right side air suspension height sensor.

PROCEDURE

Air suspension module replacement

The current 'four-sensor' modules will be discontinued, but can be used until parts stocks run-out (vehicles prior to VIN G26872 only). Only 'three-sensor' modules (BJ level) will then be available as replacement parts.

When the new BJ level module is installed it **MUST** be configured and calibrated using Worldwide Diagnostic System (WDS) software release JTP759/28 or later. Software release JTP759/28 will continue to support the four sensor system.

If it is necessary to determine what level of module is installed to a vehicle, use WDS to read the module part number (located under special applications) or physically read the part number on the module.

When installing the BJ level module on existing four-sensor vehicles, (prior to VIN G26872), the front right height sensor **MUST** be left in place in order to maintain the seal to the existing electrical harness and protect it against water ingress.

NOTE: THE INFORMATION IN TECHNICAL BULLETINS IS INTENDED FOR USE BY TRAINED, PROFESSIONAL TECHNICIANS WITH THE KNOWLEDGE, TOOLS, AND EQUIPMENT TO DO THE JOB PROPERLY AND SAFELY. IT INFORMS THESE TECHNICIANS OF CONDITIONS THAT MAY OCCUR ON SOME VEHICLES, OR PROVIDES INFORMATION THAT COULD ASSIST IN PROPER VEHICLE SERVICE. THE PROCEDURES SHOULD NOT BE PERFORMED BY "DO-IT-YOURSELFERS." DO NOT ASSUME THAT A CONDITION DESCRIBED AFFECTS YOUR CAR. CONTACT A JAGUAR RETAILER TO DETERMINE WHETHER THE BULLETIN APPLIES TO YOUR VEHICLE.

Height Sensor Replacement

From VIN G26872 the right front height sensor and bracket assembly (C2C 2255) will be discontinued and parts stocks run-out.

To enable replacement of the front right height sensor on vehicles prior to G26872, a front height sensor/linkage, but without the bracket or clip (C2C 2242) will be made available, this part may also be used to replace the front left height sensor.

When installing these parts, the sensor connector **MUST** be correctly oriented in the bracket and the sensor arm **MUST** be correctly oriented between the two limit stops of the bracket. Failure to do this will result in incorrect system operation that may not be flagged by a DTC. The fasteners securing the sensor to the bracket should be tightened to $5 \text{ Nm} \pm 1 \text{ Nm}$.

The front right sensor bracket will be made available as a separate part to enable replacement on any vehicle prior to G26872. All other sensor assemblies are unaffected by this change.

Electrical Harness Replacement

The generic engineering part number for the four sensor harness (which carries the wires and connectors for the front height sensors) is 2W93-14290- **G** XX. These parts can only be used to repair vehicles prior to VIN G26872.

The three sensor harness will have a generic engineering part number of 2W93-14290- **H** XX and can only be used to repair vehicles after and including VIN G26872.

Both levels of harness will be available as service parts.

Parts Information:

The table shows the part numbers of components to support the three sensor and four sensor air suspension systems.

<u>Three Sensor System Parts</u>	<u>Part Number</u>
Three Sensor Harness 2W93-14290-HAA	C2C 24997
Three Sensor Harness 2W93-14290-HCA	C2C 24998
Three Sensor Harness 2W93-14290-HEA	C2C 24999
Three Sensor Harness 2W93-14290-HGA	C2C 25000
Three Sensor Harness 2W93-14290-HJA	C2C 25001
Three Sensor Harness 2W93-14290-HKA	C2C 25002
Three Sensor Harness 2W93-14290-HLA	C2C 25003
Three Sensor Harness 2W93-14290-HMA	C2C 25004
Three Sensor Module 2W93-3B494-BJ	C2C 24172
Front Sensor (left) 2W93-3C034-AA	C2C 2242

<u>Four Sensor System Parts</u>	<u>Part Number</u>
Four Sensor Harness 2W93-14290-GAA	C2C 23940
Four Sensor Harness 2W93-14290-GCA	C2C 23941
Four Sensor Harness 2W93-14290-GEA	C2C 23942
Four Sensor Harness 2W93-14290-GGA	C2C 23943
Four Sensor Harness 2W93-14290-GJA	C2C 23944
Four Sensor Harness 2W93-14290-GKA	C2C 23945
Four Sensor Harness 2W93-14290-GLA	C2C 23946
Four Sensor Harness 2W93-14290-GMA	C2C 23947
Four Sensor Module 2W93-3B494-BH*	C2C 22604
Right Hand Front Sensor 2W93-3C280-AC* (deleted)	C2C 2255
Right Hand Front Sensor Bracket 2W93-3C300-AB	XR834832
Front Sensor (left or right) 2W93-3C034-AA	C2C2242

* Stocks of 2W93-3B494-BH (C2C 22604) and 2W93-3C280-AC (C2C 2255) to be run-out