

Reference	SSM72556
Models	LR4 / L319 Range Rover / L405 Range Rover Sport / L494
Title	16MY 3.0L S/C V6 & 5.0L S/C V8 Heated Oxygen Sensor (HO2S) - Post catalyst - Bank 1 (or Bank 2) sens
Category	Driveability
Last modified	18-Dec-2015 00:00:00
Symptom	698298 Malfunction Indicator Lamp
Attachments	Heated Oxygen Sensor (HO2S).pdf (Heated Oxygen Sensor (HO2S).pdf)

Content**Issue:**

The customer may observe a 'Check Engine Malfunction Indicator Lamp (MIL)' in the instrument cluster. No driveability concerns are observed by the customer.

One or more codes are stored in the PCM relating to the 'Heated Oxygen Sensor (HO2S) - Post catalyst - Bank 1 (or Bank 2) sensor 3' in the exhaust system.

This issue only applies if the codes stored in the PCM are covered by the following list:

- P0142-00 O2 Sensor Circuit (Bank 1 Sensor 3) - No sub type information
- P0162-00 O2 Sensor Circuit (Bank 2 Sensor 3) - No sub type information
- P0042-00 HO2S Heater Control Circuit (Bank 1, Sensor 3) - No sub type information
- P0062-00 HO2S Heater Control Circuit (Bank 2, Sensor 3) - No sub type information
- P0055-00 HO2S Heater Resistance (Bank 1, Sensor 3) - No sub type information
- P0061-00 HO2S Heater Resistance (Bank 2, Sensor 3) - No sub type information

Cause:

This is likely caused by a parts quality issue if:

Upon diagnosis, no fault is found with the wiring harness or connector having followed the diagnostic information and help text relating to the PCM codes as read by SDD.

Action:

If the above issue is verified, replace the 'Heated Oxygen Sensor (HO2S)' related to the code (or codes) which are set. Do not replace parts for both exhaust banks if codes are only set for one of the exhaust banks.

Before fitting the new part, please check the country of manufacture information stamped on the body of the part.

- If the country of manufacture states 'Germany' the sensor is OK to fit.
- If the country of manufacture states 'Brasil' check the manufacturing date code on the sensor prior to fitment:
 - **If the code reads 554, 555, 556 or 557 the sensor must not be fitted to the vehicle!**

A stock check is being carried out to quarantine any affected sensors.

Refer to the attached file which shows location of the date code and country of manufacture on the sensor.

NOTE:

The issue only affects 16MY vehicles built prior to the following VIN's:

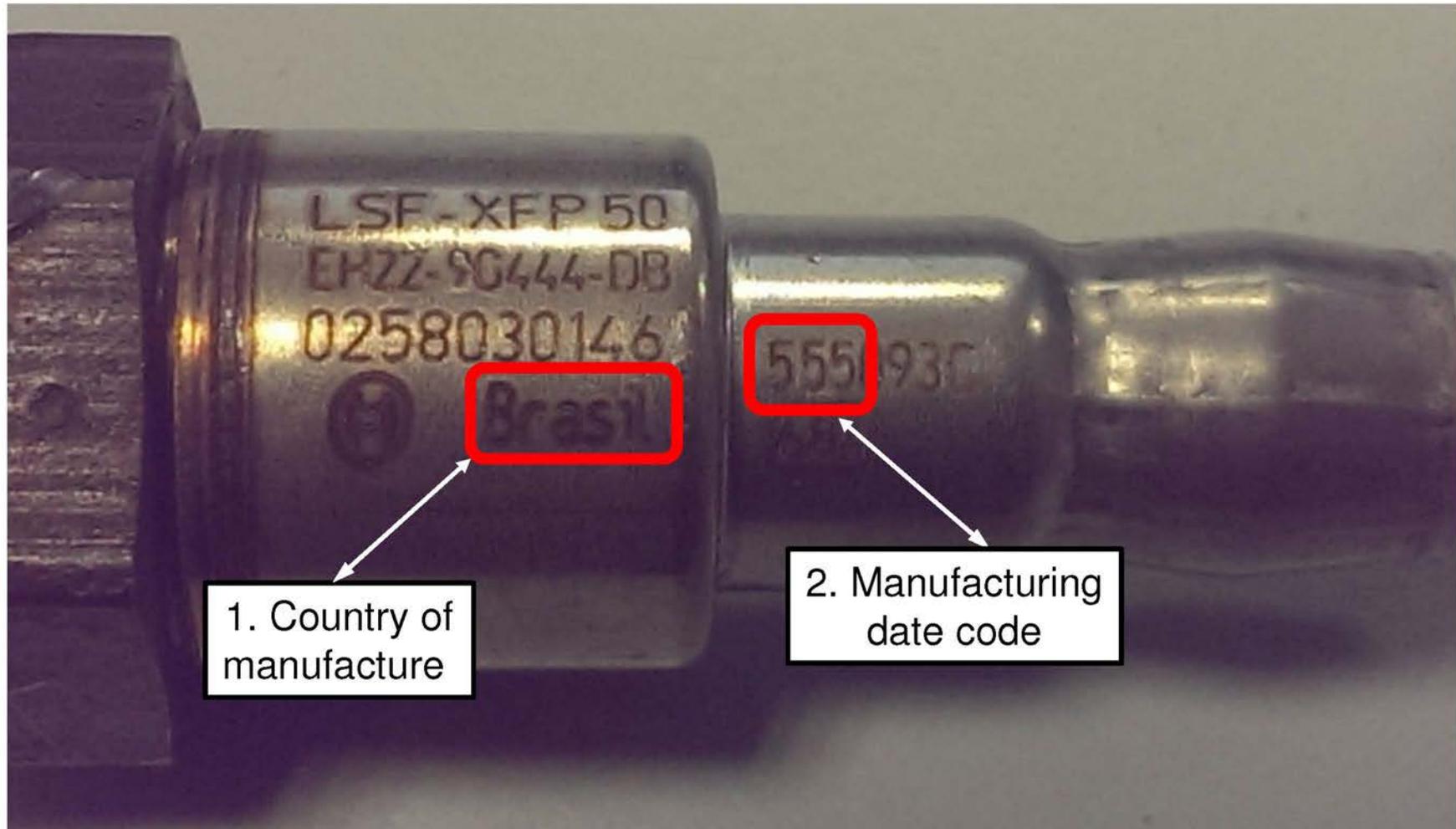
Range Rover (LG) 264004

Range Rover Sport (LW) 639053

Range Rover Sport (LW) 562443

Discovery 4/LR4 (LA) 798180

If a faulty 'Heated Oxygen Sensor (HO2S)' is identified on any vehicles built after the VIN's stated above please raise a Quality Report.



1. Look for country – **Brasil**
2. Look at the first three digits of the date code. If the code reads **554**, **555**, **556** or **557** the sensor must **NOT** be fitted to the vehicle.