

Reference	SSM73866
Models	Range Rover / L405 Range Rover Sport / L494
Title	2.0L AJ200P PHEV DTC P0420-00
Category	Engine
Last modified	26-Jun-2018 00:00:00
Symptom	499000 Basic Engine

Content**Issue:**

A Technician will find the following Diagnostic Trouble Code (DTC) relevant to catalyst system efficiency, **P0420-00** stored in the Powertrain Control Module (PCM). The Malfunction Indicator Lamp (MIL) could also be illuminated.

Affected vehicle vin ranges as follows –

Range Rover Sport (LW) AJ200P PHEV – 146054 onwards

Range Rover (LG) AJ200P PHEV – 343646 onwards

Cause:

Under investigation.

Action:

1. Check the vehicle is within the VIN range stated above.
2. Check the DTC stored in the PCM is as described in the issue section of this SSM.
3. If DTC P0420-00 is stored in the PCM please replace the catalytic converter. Refer to TOPIx workshop manual – section 309-00F Exhaust System – Removal and Installation – Catalytic Converter.
4. After replacing the catalytic converter clear the PCM fault codes.
5. Clear PCM adaptations.
 - a. Connect the JLR approved battery support unit.
 - b. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
 - c. Follow the JLR approved diagnostic equipment prompts.
 - d. Select 'ECU Diagnostics'.
 - e. Select '[PCM]'
 - f. Select 'ECU Functions'
 - g. Select 'Powertrain control module adaption clear'
 - h. Follow all on-screen instructions to complete the task.
 - i. When all of the tasks are complete, exit the session.
 - j. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

6. When the old catalytic converter is removed from the vehicle inspect the catalyst substrate.

7. Raise a Quality Report attaching clear pictures of the front (upstream) face of the substrate which will be visible by looking into the catalytic converter from the engine side.

For Information Purposes only

SRO – 17.50.01 Catalytic converter - renew

Part Numbers required to complete the repair.

Catalytic Converter - LR100564

Clamp – LR105414

Gasket – LR105411

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.