

<b>Reference</b>	SSM74326
<b>Models</b>	Discovery Sport / L550 Range Rover Evoque / L538
<b>Title</b>	Check Engine Lamp and possible Restricted Performance message with DTC P2170-11 stored in the PCM.
<b>Category</b>	Engine
<b>Last modified</b>	14-Mar-2019 00:00:00
<b>Symptom</b>	403000 Exhaust System Concerns
<b>Attachments</b>	Misalignment Example.PNG (Misalignment Example.PNG)

**Content** Issue: The Check Engine Lamp is illuminated and DTC P2170-11 is stored in the PCM. A Restricted Performance message may also be reported.

Cause: To be determined. Potentially high resistance during activation of the active exhaust solenoid

Action: Should you diagnose this concern, please perform the steps outlined below.

1. Refer to the electrical circuit diagrams and check the active exhaust solenoid circuit for short to ground, short to power, open circuit, or high resistance. Repair as necessary.
2. Remove the actuator and ensure the valve operates manually without excessive resistance.
3. Inspect the alignment of the heat shield, it should be centered on the valve. The image attached would indicate misalignment of the heat shield.
4. Perform a software update to the PCM with Pathfinder 223 or higher by selecting ECU Diagnostics > Powertrain Control Module (PCM) > Update ECU. (Note: The DTC strategy has been revised and a PCM update will remove the Restricted Performance should the DTC flag again)

Please raise an EPQR and include details on the results after performing the diagnostic steps listed in this document. The vehicle can then be released.