

JTB00533NAS1

TECHNICAL BULLETIN

29 MAR 2017



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required 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'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

INFORMATION

SECTION:

303-00

SUBJECT/CONCERN:

Engine Misfire / MIL Illuminated After Cold-Start

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
F-TYPE (X152)	2014	K00001-K14855	Castle Bromwich	V6 S/C 3.0L Petrol
XF (X250)	2013-2014	S61362-U39093	Castle Bromwich	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
XJ Range (X351)	2013-2014	V39427-V74899	Castle Bromwich	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:**NOTE:**

This condition will only appear when the engine is started from cold (coolant temperature at or below 75°C / 167°F).

SITUATION:

During an engine cold-start (coolant temperature at or below 75°C / 167°F), the engine may exhibit hard starting, rough idle, poor running, and/or an engine misfire. The engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Code (DTC) P0316 stored in the Powertrain Control Module (PCM) and one or more misfire code(s) P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, and/or P0308.

CAUSE:

This may be caused by a fuel injection calibration issue.

NOTE:

The Diagnostic Procedure is applicable only if one or more Diagnostic Trouble Code (DTC) listed in the Situation is stored and there are no other DTCs stored. If any other DTCs are present, investigate the cause and carry out the repair as necessary; to be performed as a separate claim.

ACTION:

Should a Customer express this concern, follow the Diagnostic Procedure below.

TOOLS:



Jaguar Land Rover-
approved Midtronics
battery power supply



Jaguar Land Rover-approved diagnostic tool with latest SDD software, Calibration File

WARRANTY:

NOTES:

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to TOPIx to obtain the latest repair time.
- DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Configure existing - Powertrain Control Module	86.99.26	0.2	04	C2D30319

NOTE:

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE:

CAUTIONS:

- **A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.**
- **Make sure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

NOTES:

- **The Jaguar Land Rover-approved diagnostic tool must be loaded with DVD147.06 and Calibration File 254 (or later).**
- **Use DDW to check for Service Action or Update Prior to Sale notice eligibility requiring a Powertrain Control Module (PCM) software update. If eligible, perform and claim the update as per that program.**

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- 1 Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

 - 2 Switch the ignition ON (engine not running).

 - 3 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

 - 4 Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
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- 5 View the Freeze frame data for one of the misfire Diagnostic Trouble Codes (DTC; P0300-P0308) and read the engine coolant temperature.
 - If the engine coolant temperature is 76°C / 168°F or higher, do not continue with this Diagnostic Procedure.
 - Refer to the relevant DTC help text and pinpoint test in TOPIx to diagnose the cause of the misfire.
 - To be performed as a separate claim.
 - If the engine coolant temperature is 75°C / 167°F or lower, the Powertrain Control Module (PCM) may require updating.
 - Go to Step 6.

6 Select **Diagnosis** from the Session Type screen.

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- 7 Select the **Selected Symptoms** tab and then select one of the following:
- **Powertrain - Engine system - Engine performance - Poor acceleration and lack of power** or
 - **Powertrain - Engine system - Starting system - Starts with difficulty** or
 - **Powertrain - Engine system - Engine performance - Poor idle - When cold** or
 - **Powertrain - Engine system - Engine performance - Engine misfire - When cold** or
 - **Electrical - Instruments - Warning lamps - Engine malfunction lamp - Lamp illuminated**

8 Select **continue**.

9 Select the **Recommendations** tab.

10 Select **Run** to perform the '**Configure existing module - Powertrain control module**' option.

- 11 Follow all on-screen instructions to complete this task, ensuring all Diagnostic Trouble Codes (DTC) are cleared.

- 12 When all tasks are complete, select the **Session** tab and then select the **Close Session** option.

- 13 Disconnect the diagnostic tool and battery power supply from the vehicle.

- 14 If the misfire is still present, refer to the relevant DTC help text and pinpoint test in TOPIx to diagnose the cause of the misfire.
 - To be performed as a separate claim.