

LTB00739V3



TECHNICAL BULLETIN

18 JUL 2017

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SECTION:

303-00

SUBJECT/CONCERN:

TD4 2.2L Diesel Engine Hesitation With Diagnostic Trouble Codes (DTCs) P0403-13, P0403-71, P0405-77, P0406-77, P0409-17 Stored

MARKETS:

ASIA PACIFIC; CHINA; EUROPE; JAPAN; MENA; OVERSEAS

CONDITION SUMMARY:

NOTE:

Pune assembled vehicles are affected by this technical bulletin.

SITUATION:

A customer may express a concern that the engine is hesitating.

This technical bulletin has been updated due to a change in the title and the service instruction.

CAUSE:

Exhaust Gas Recirculation (EGR) adaptations. **Suggested customer concern code - MU5.**

ACTION:

Should a customer express this concern, follow the service instruction below.

TOOLS:

E179225

Jaguar Land Rover approved diagnostic equipment



E179226

Jaguar Land Rover approved battery support unit



E201918

Inline Diagnostic Unit 2 (IDU2)

WARRANTY:

NOTES:

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Use TOPIx to obtain the latest repair time.
- The JLR claims submission system 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
Exhaust Gas Recirculation (EGR) system diagnosis	17.45.98	0.2	42	LR028410
Reset air path adaptations	18.90.27	0.2	42	LR028410
Check Powertrain Control Module (PCM) calibration level	18.90.04	0.3	42	LR028410

NOTE:

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE:

1.

CAUTION:

This procedure requires DVD150.00 and Calibration File 271 loaded or a later version.

NOTE:

The Jaguar Land Rover approved diagnostic equipment will read the correct Vehicle Identification Number (VIN) for the current vehicle and automatically take the vehicle out of 'Transportation mode' if required.

Connect the Jaguar Land Rover approved battery support unit.

2. Connect the Jaguar Land Rover approved diagnostic equipment to the vehicle.

3. Begin a new diagnostic session by reading the Vehicle Identification Number (VIN) for the current vehicle and initiating the data collect sequence.

Diagnostic Procedure 1

4. If the hyperlink is not available, the application can be found as follows:
 - ■ Select the 'Diagnosis session' type.
 - ■ Select any of the following symptoms:
 - ■ Powertrain - Engine System - Engine Performance
 - ■ Electrical - Instruments - Warning Lamps - Engine Malfunction Lamp – Lamp illuminated
 - ■ From 'Recommendations', run : Powertrain - Inline diagnostic unit 2 diagnostic test - Exhaust gas recirculation valve

If the test states the Exhaust Gas Recirculation (EGR) valve has failed

5. After the completion of the test, if the EGR valve has failed the test, then replace the component and then complete Diagnostic Procedure 2.

If the test states the EGR valve has passed

6. After the completion of the test, if the EGR valve has passed the test, then complete Diagnostic Procedure 2.

Diagnostic Procedure 2

7. If the hyperlink is not available, the application can be found as follows:
 - ■ Select the 'Diagnosis session' type.
 - ■ Select any of the following symptoms:
 - ■ Powertrain - Engine System - Engine Performance
 - ■ Electrical - Instruments - Warning Lamps - Engine Malfunction Lamp – Lamp illuminated
 - ■ From 'Recommendations', run : Powertrain - Air path set-up routine
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8. If the hyperlink is not available, the application can be found as follows:
 - ■ Select the 'Diagnosis session' type.
 - ■ Select any of the following symptoms:
 - ■ Powertrain - Engine System - Engine Performance
 - ■ Electrical - Instruments - Warning Lamps - Engine Malfunction Lamp – Lamp illuminated
 - ■ From 'Recommendations', run : Configure existing module – Powertrain control module

9. If required, reset the vehicle to 'Transportation mode'.

10. When all tasks are complete, exit the current session by selecting the 'Session' tab and then selecting the 'Close Session' option.

11. Disconnect the Jaguar Land Rover approved diagnostic equipment and the Jaguar Land Rover approved battery support unit.

12. Road test the vehicle to make sure the reported concern is no longer apparent.

13. If a concern is still present continue to investigate the issue as per the standard service department process outlined in the warranty manual (Ref WW-27722 in TOPIx). Complete any appropriate secondary diagnosis including a visual inspection of the intake and exhaust system. Any stored Diagnostic Trouble Codes (DTC) that are not listed in this technical bulletin should be investigated as per the instructions found on TOPIx, and If the root cause of the concern has not been identified within 2 hours, then in-market Retailer Technical Support must be contacted before proceeding with further diagnosis.