

JTB00599NAS1

TECHNICAL BULLETIN

06 DEC 2017



© Jaguar Land Rover North America, LLC

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:**

303-14D: Electronic Engine Controls

SUBJECT/CONCERN:

Engine MIL Illuminated With DTC P21C5-64 Stored

AFFECTED VEHICLE RANGE:

| MODEL: | MODEL YEAR: | VIN: | ASSEMBLY PLANT: | APPLICABILITY: |
|---------------|--------------------|---------------|------------------------|-------------------------|
| F-PACE (X761) | 2017-2018 | 045458-099996 | Solihull | INGENIUM I4 2.0L Diesel |

| MODEL: | MODEL YEAR: | VIN: | ASSEMBLY PLANT: | APPLICABILITY: |
|---------------|--------------------|---------------|------------------------|-------------------------|
| F-PACE (X761) | 2017 | 488002-499998 | Solihull | INGENIUM I4 2.0L Diesel |
| F-PACE (X761) | 2017-2018 | 880002-899997 | Solihull | INGENIUM I4 2.0L Diesel |
| F-PACE (X761) | 2018 | 240000-279275 | Solihull | INGENIUM I4 2.0L Diesel |

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

The engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Code (DTC) P21C5-64 stored in the Powertrain Control Module (PCM).

CAUSE:

This may be caused by a software error due to sensor calibration.

ACTION:

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

TOOLS:



Jaguar Land
Rover-approved
Midtronics
battery power
supply



Jaguar Land
Rover-approved
diagnostic tool
with latest SDD
Software
Management
Pack



Jaguar Land
Rover-approved
diagnostic tool
with latest
PATHFINDER
software

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 JLR claims submission system 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 |
|--|----------|-----------------|-------------------|----------------|
| Configure Existing Powertrain Control Module [PCM] | 86.99.26 | 0.20 | 04 | T4A24939 |

NOTE:

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE 'A': SDD

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with Symptom Driven Diagnostics (SDD).

CAUTIONS:

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

NOTE:

Use DDW to check for Field Service Action program eligibility requiring a Powertrain Control Module (PCM) software update. If eligible, perform and claim the update as per that program.

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

2

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD151.05 Software Management Pack v283 (or later).

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

- 3 Follow all on-screen instructions, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
-

- 4 If the hyperlink is not available:
 - 1 Select **Diagnosis** from the Session Type screen.
 - 2 Select the **Selected Symptoms** tab.
 - 3 Select one of the following symptoms:
 - **Electrical - Instruments - Warning lamps - Engine malfunction lamp - Lamp illuminated**
 - 4 Select **continue**.
 - 5 Select the **Recommendations** tab.
 - 6 Select **Run** to perform the '**Configure existing module - Powertrain control module**' option.
-

- 5 Follow all on-screen instructions until the application completes successfully.
 - 1 When prompted, select the **Clear DTCs** option following completion of the software download.
 - 2 When all tasks are complete, go to the next Step.
-

- 6 Exit the current session.
 - 1 Select the **Session** tab.
 - 2 Select the **Close Session** option.
-

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

DIAGNOSTIC PROCEDURE 'B': PATHFINDER

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with PATHFINDER.

CAUTIONS:

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

NOTE:

Use DDW to check for Field Service Action program eligibility requiring a Powertrain Control Module (PCM) software update. If eligible, perform and claim the update as per that program.

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

2

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with PATHFINDER version 120 (or later).

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

3

NOTE:

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

Follow all on-screen instructions.

-
- 4 Select **ECU Diagnostics**.
-
- 5 Select **Powertrain control module' [PCM]**.
-
- 6 Select **Update ECU**.
 - 1 Follow all on-screen instructions until the application completes successfully.
 - 2 When all tasks are complete, go to the next Step.
-
- 7 Exit the current session.
 - 1 If required, reset the vehicle to **Transit mode**.
 - 2 Select the **Exit** icon.
-
- 8 Disconnect the diagnostic tool and battery power supply from the vehicle.