LTB01083

TECHNICAL BULLETIN

13 JUL 2017

SECTION:

303-14

SUBJECT/CONCERN:

Engine Hesitation/Stall At Low Vehicle Speed

MARKETS:

ASIA PACIFIC; EUROPE; OVERSEAS

CONDITION SUMMARY:

SITUATION:

A customer may express a concern that at low vehicle speed the engine hesitates or stumbles. In some circumstances as a result of the low vehicle speed the customer may report that the hesitation or stumble has resulted in the engine stalling. The engine will restart by cycling the ignition.

If the engine has stalled the customer may also express a concern that:

- The Touchscreen has changed and is now displaying the 4x4i – Terrain response/4x4 information.
- 'D' is flashing on the Transmission Control Switch (TCS) and Instrument Cluster (IC).

- The charge warning indicator is illuminated.

A technician may find Diagnostic Trouble Code (DTC) P0088-17 (Fuel Rail/System Pressure - Too High - Circuit voltage above threshold) stored in the Powertrain Control Module (PCM).

CAUSE:

Intermittent electrical connection. **Suggested customer concern code MU4.**

ACTION:

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

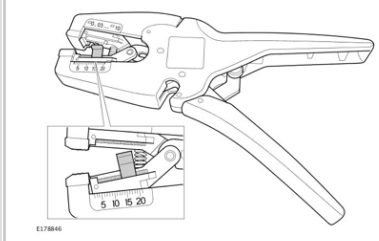
PARTS:

NOTE:

The glue lined heat shrink can be obtained from the harness repair kit (part number 418-104). They can also be sourced locally and claimed by ZZZ001 at a value of £0.75 per repair.

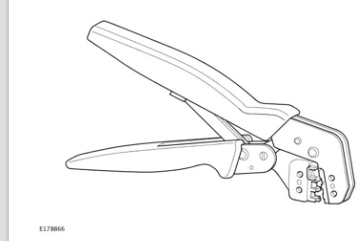
PART NUMBER	DESCRIPTION	QUANTITY
LR108438	Fuel pressure sensor link harness kit	1
LR050538	Splice connector	3

TOOLS:



418-672

Insulation (Wire) Stripper



418-116A

Wire crimper

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
Fuel pressure sensor - wiring harness - repair	19.22.89.53	0.6	42	LR042445

NOTE:

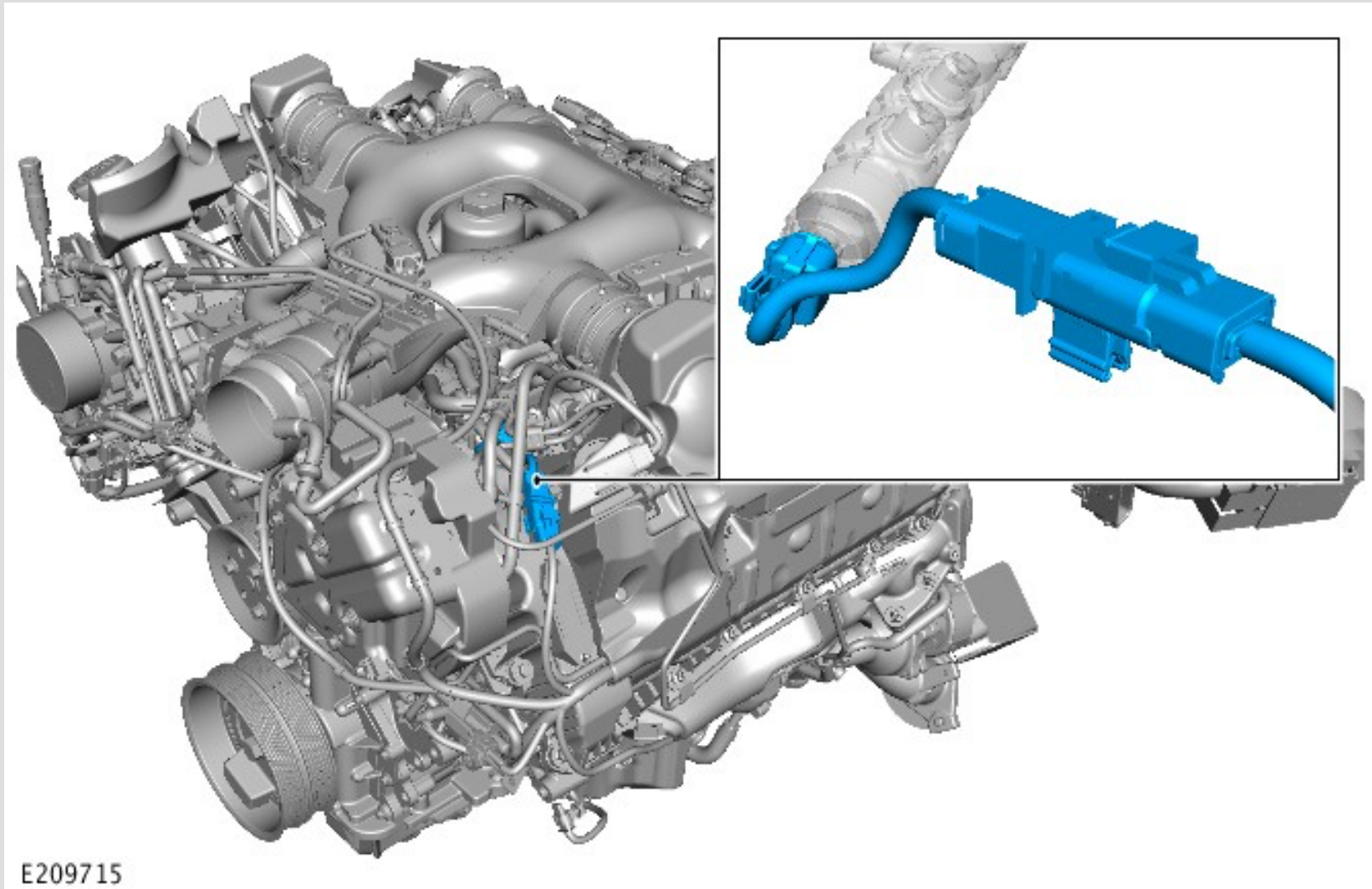
Normal Warranty procedures apply.

COMPONENT LOCATION

NOTE:

Some components shown removed for clarity.

1



The illustration shows the location of the fuel pressure sensor electrical wiring harness.

SERVICE INFORMATION:

1

CAUTION:

It is important when completing wiring repairs the appropriate equipment is used.

For instruction on the repair of wiring harnesses see TOPIx Workshop Manual section 418-02 Wiring Harnesses - Wiring Harness Repair.

SERVICE INSTRUCTION:

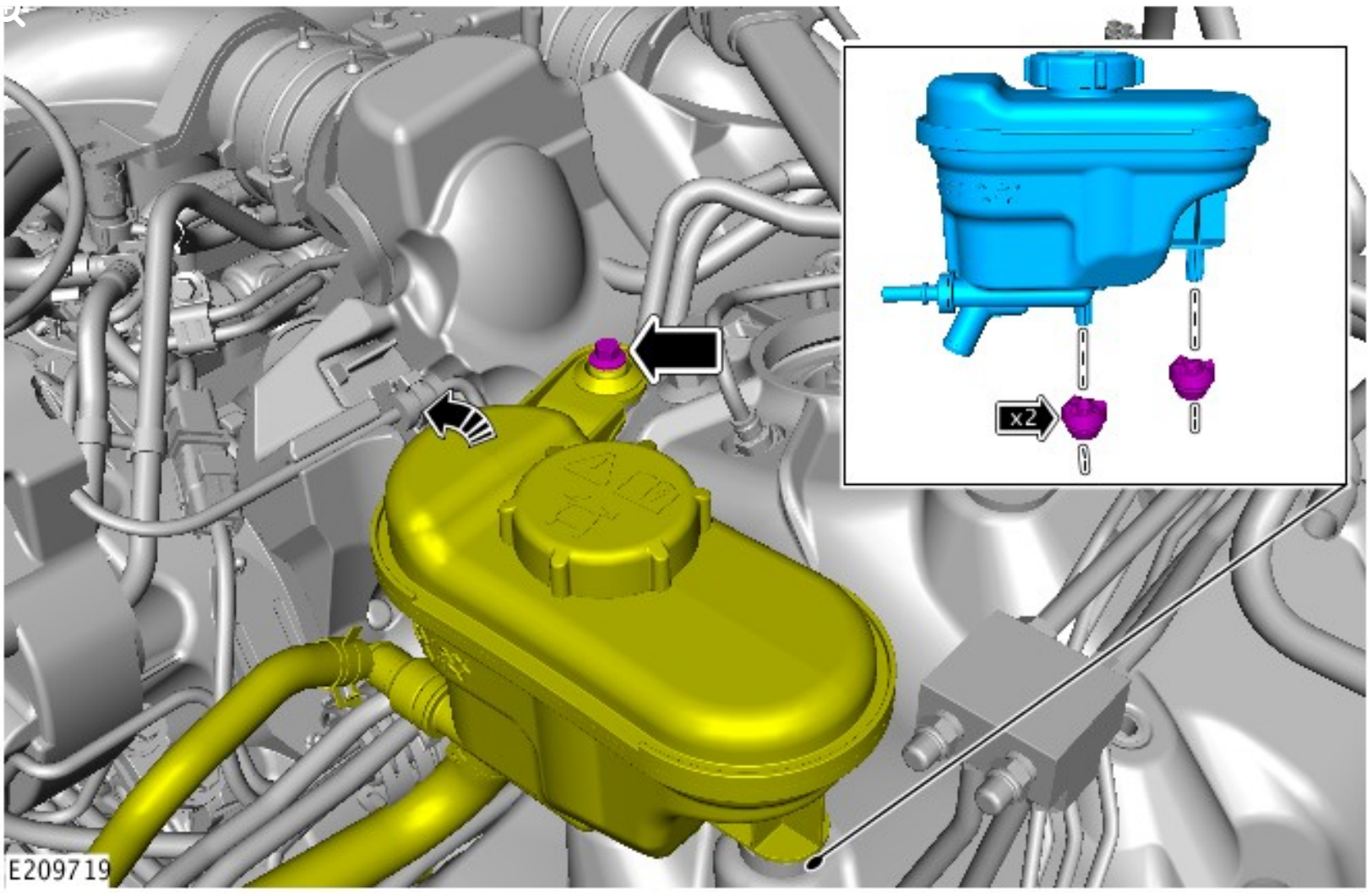
NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.
- Removal steps in this procedure may contain installation details.

1 Disconnect the battery ground cable (see TOPIx Workshop Manual section: 414-00 Battery and Charging System - General Information - Specifications).

2 Remove the left air cleaner (see TOPIx Workshop Manual section: 303-12E: Intake Air Distribution and Filtering - TDV8 4.4L Diesel).

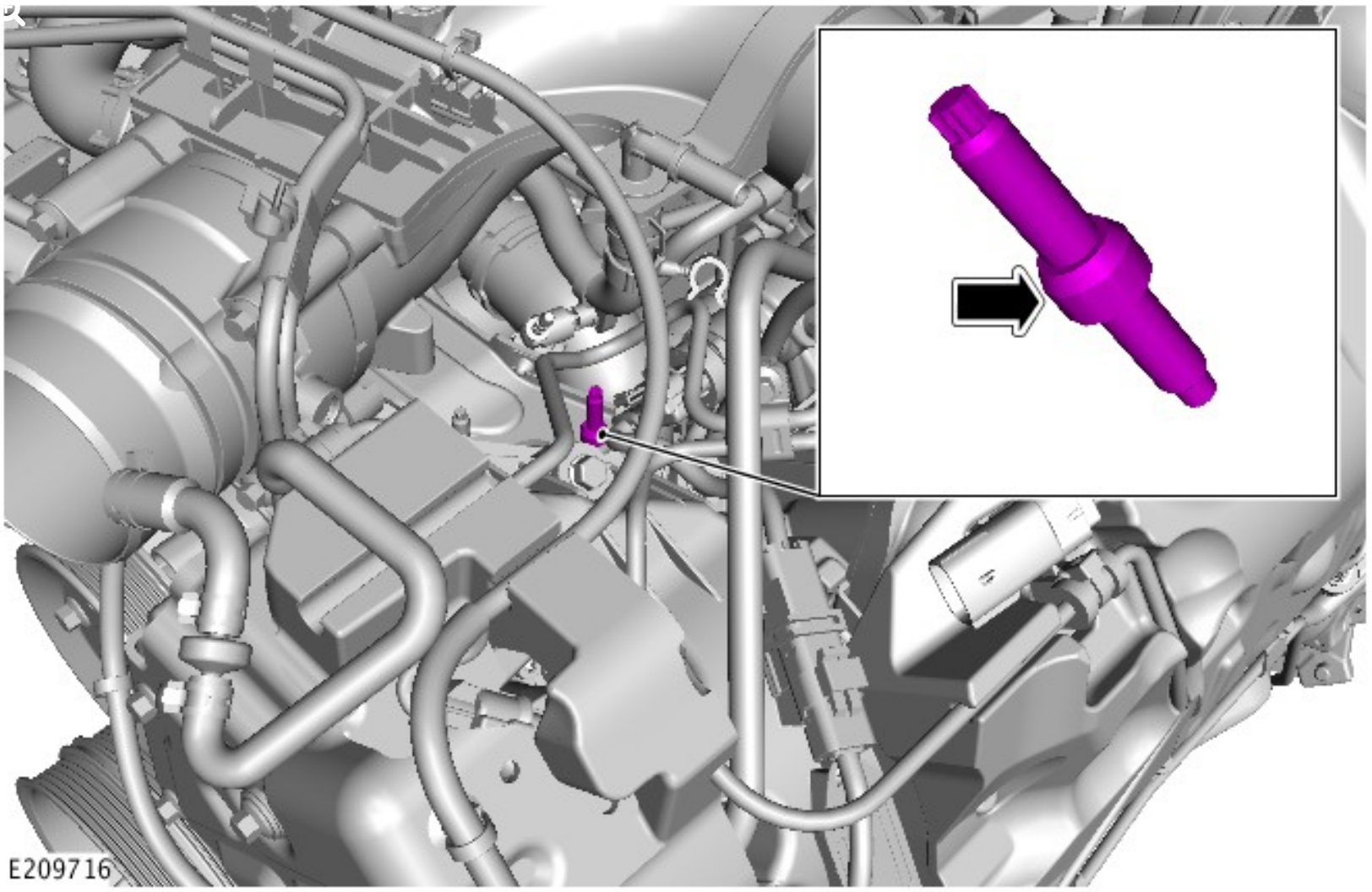
3



Remove the Dynamic Response fluid reservoir retaining bolt and place the fluid reservoir to the side.

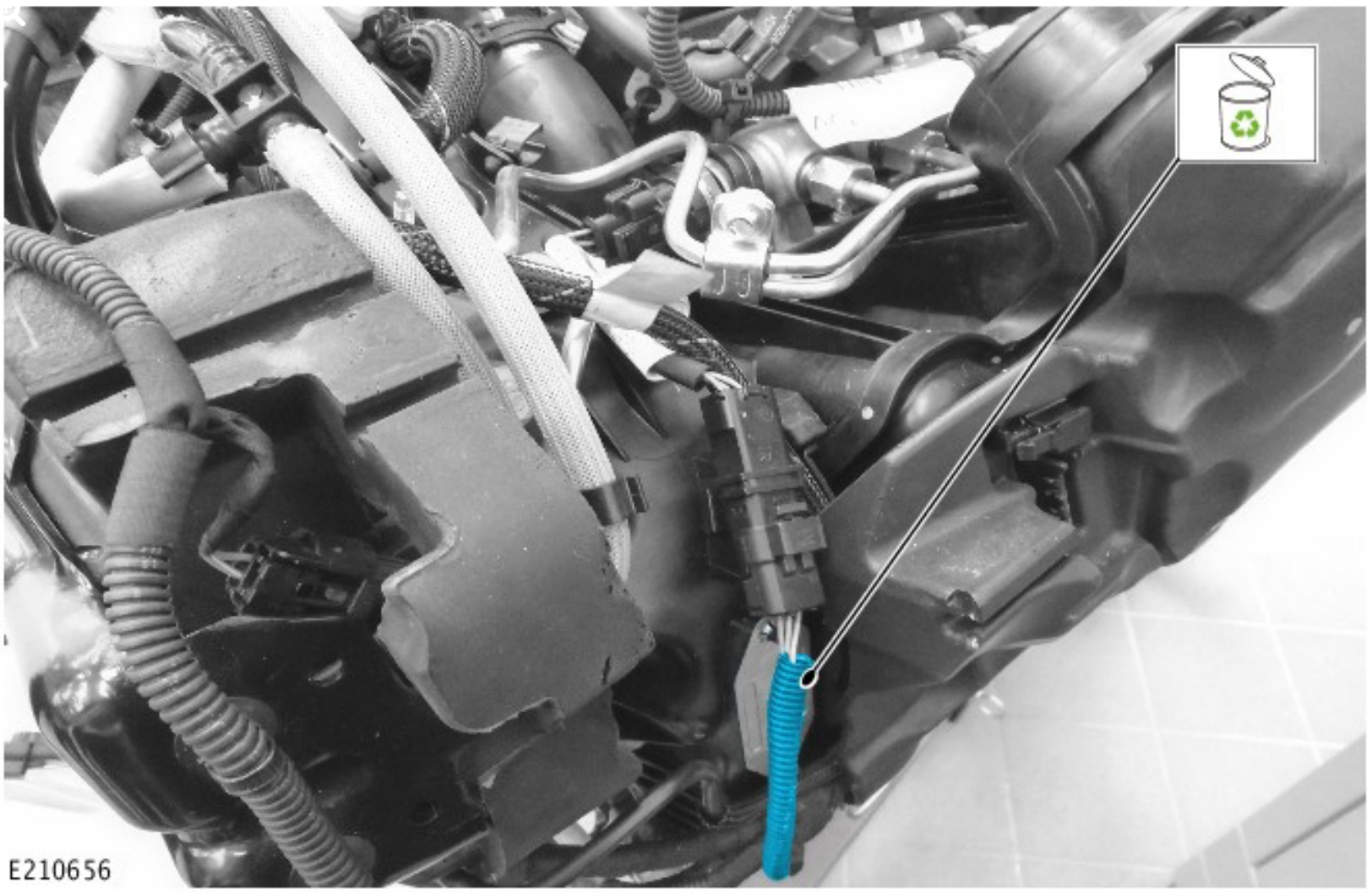
- Torque: **5 Nm**

4



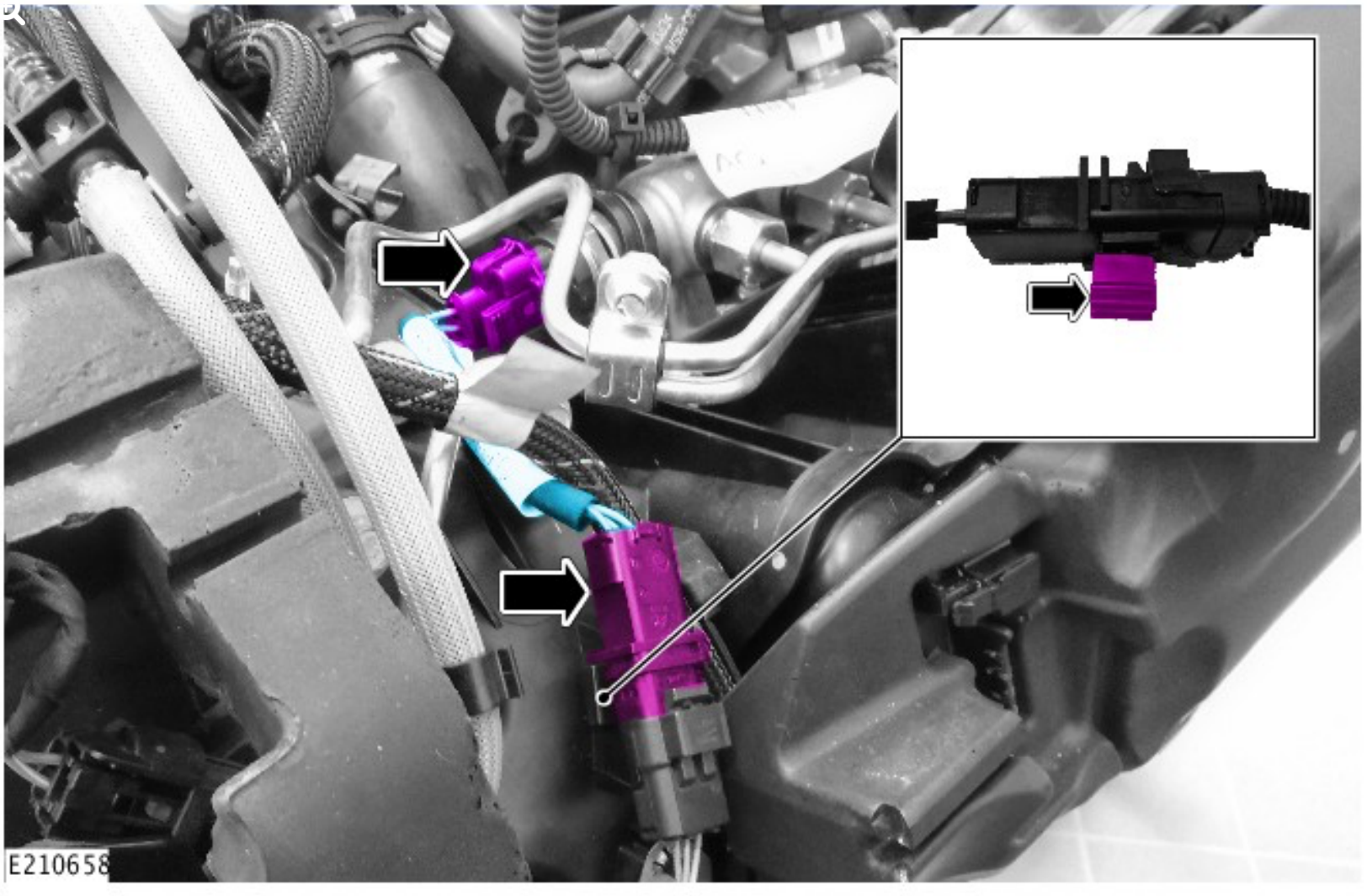
Remove the retaining stud to allow access to the fuel pressure sensor electrical connector.

5



Remove and discard the fuel pressure sensor electrical wiring harness conduit.

6



Remove and discard the fuel pressure sensor electrical wiring harness.

7

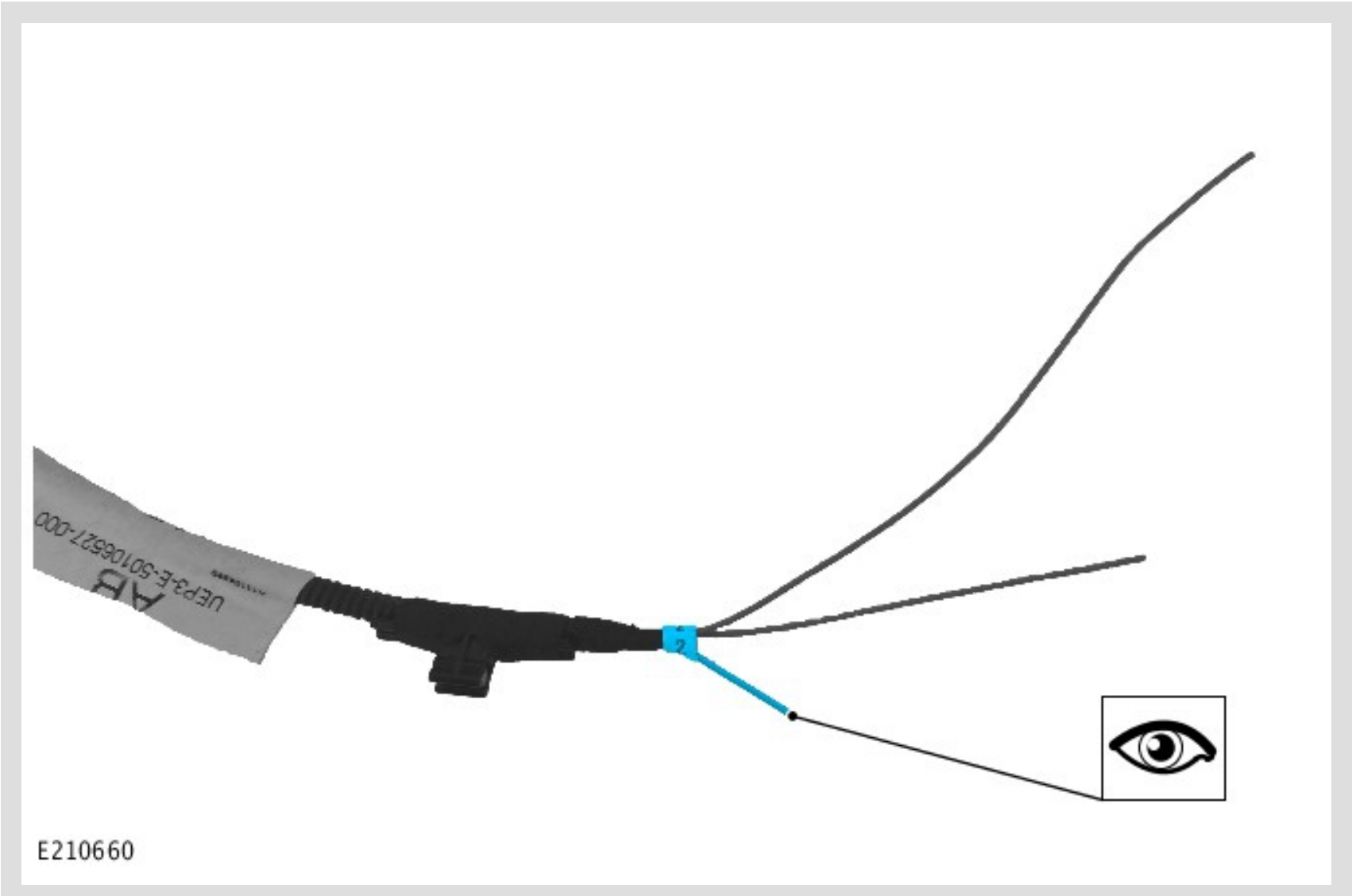
Locate the blue/brown (BU/BN) wire in position 2 of the electrical connector (CW11-W1) on the engine wiring harness.

- Cut the wire and prepare for a splice connector.

8

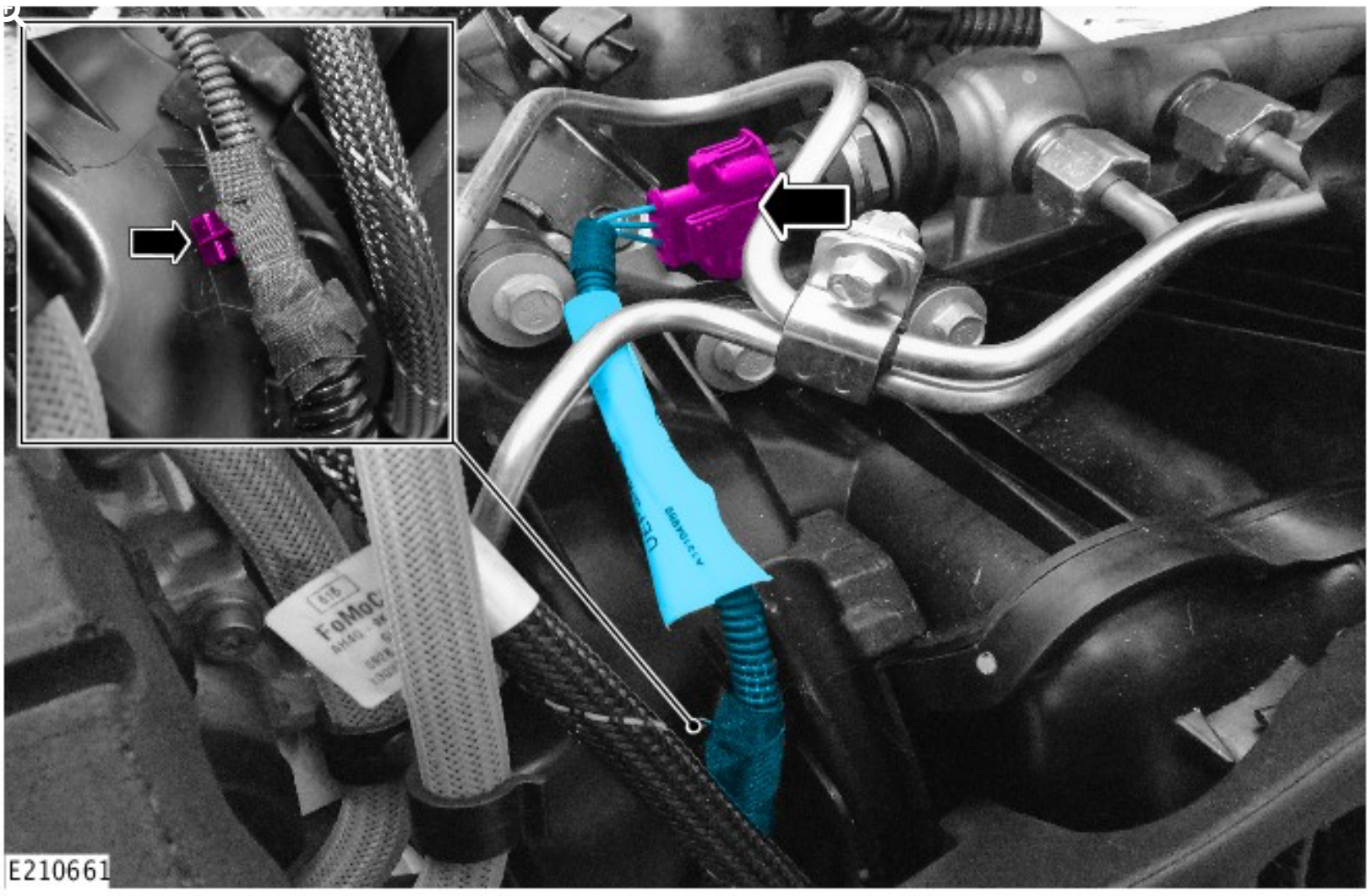
CAUTION:

Make sure that the wire labelled '2' is the first connection to be made. This wire has been labelled as there are 2 blue/brown wires in the link harness and they must not be interchanged.



Locate the wire labelled '2' on the fuel pressure sensor link harness.

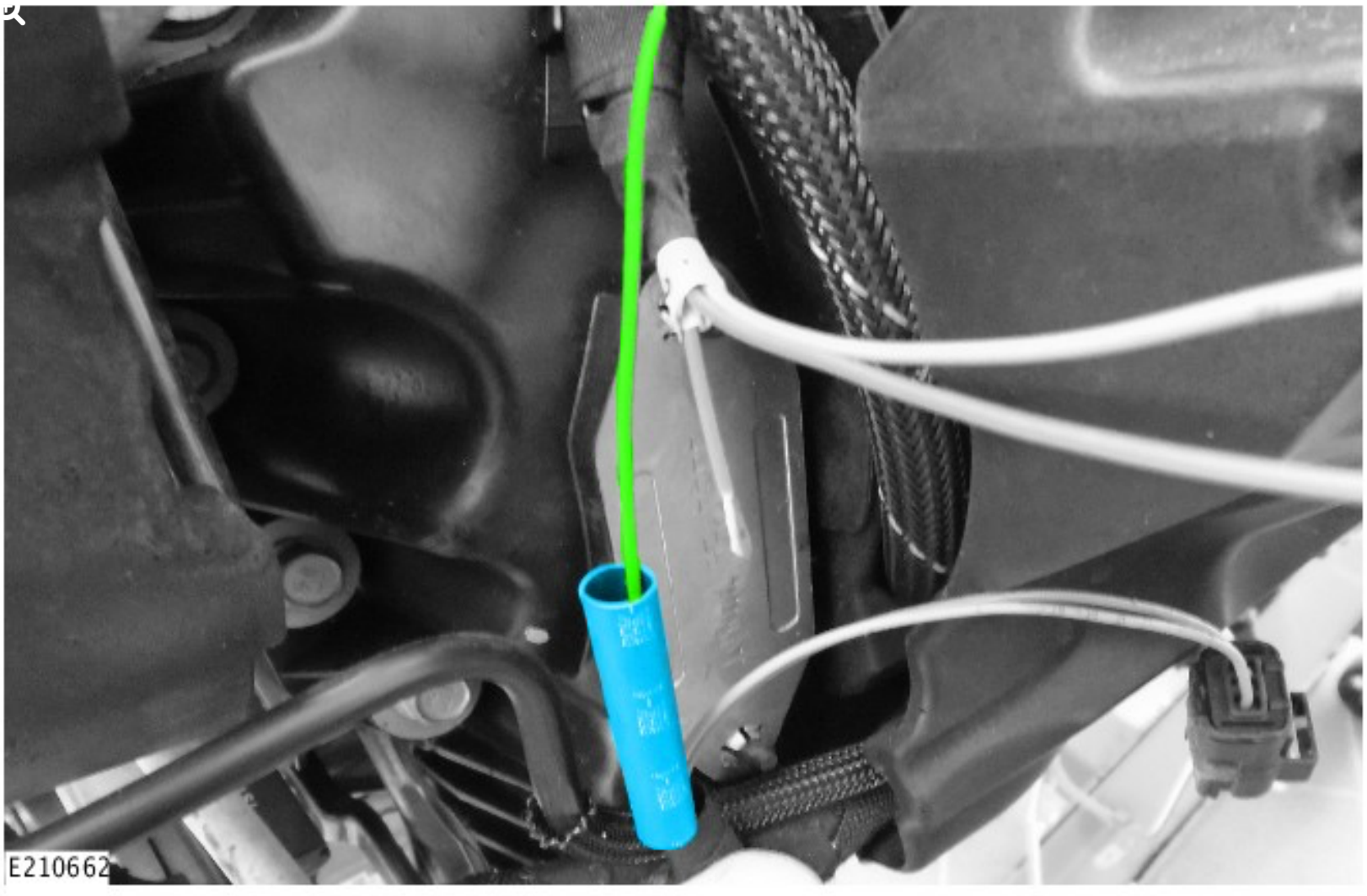
- Prepare this wire for a crimp connector.



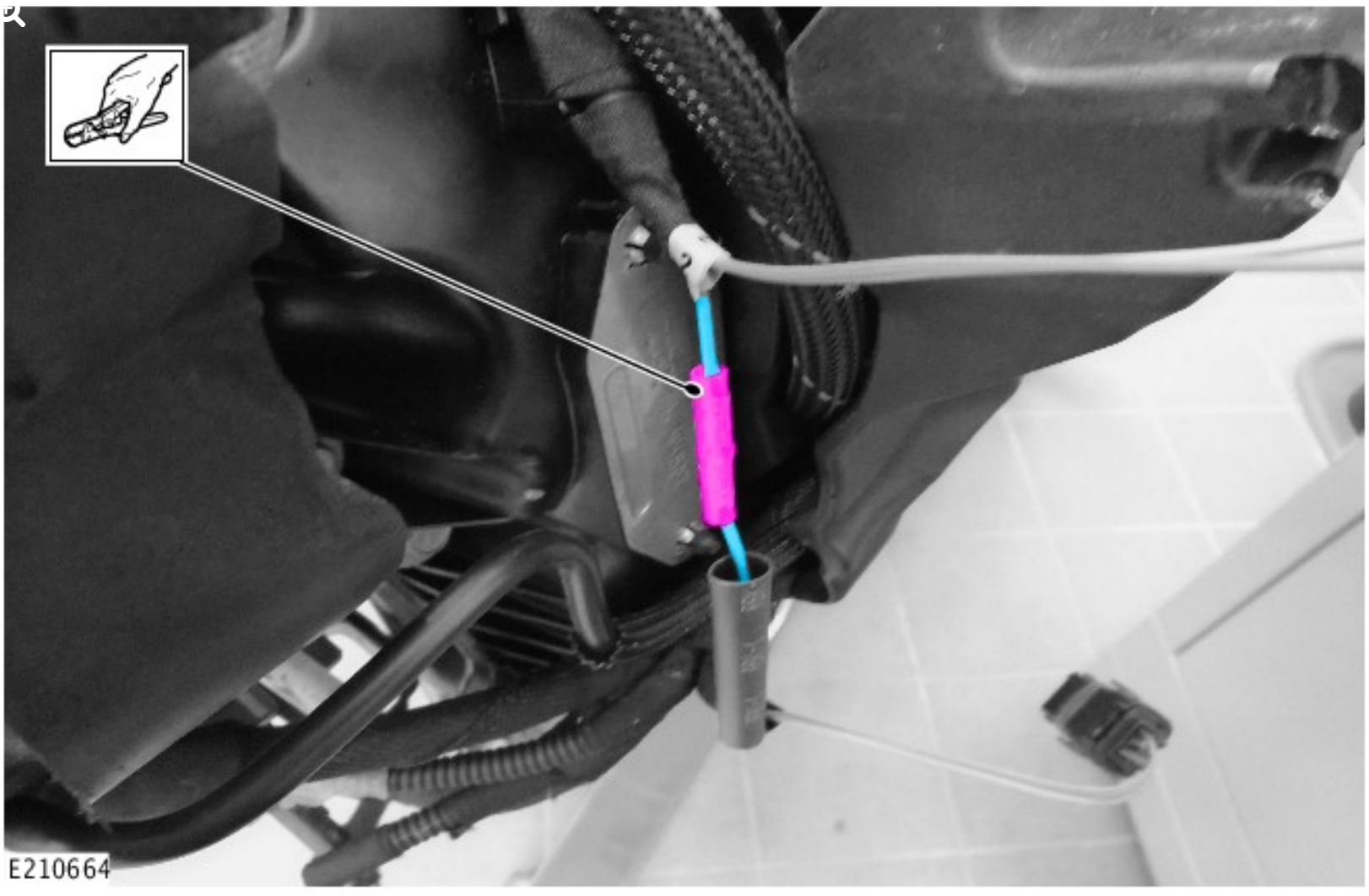
Install the fuel pressure sensor link harness.

NOTES:

- On all of the wiring connections to be made the heat shrink must be installed before the splice connector is installed onto the wire.
- Do not apply heat to the heat shrink in this step.



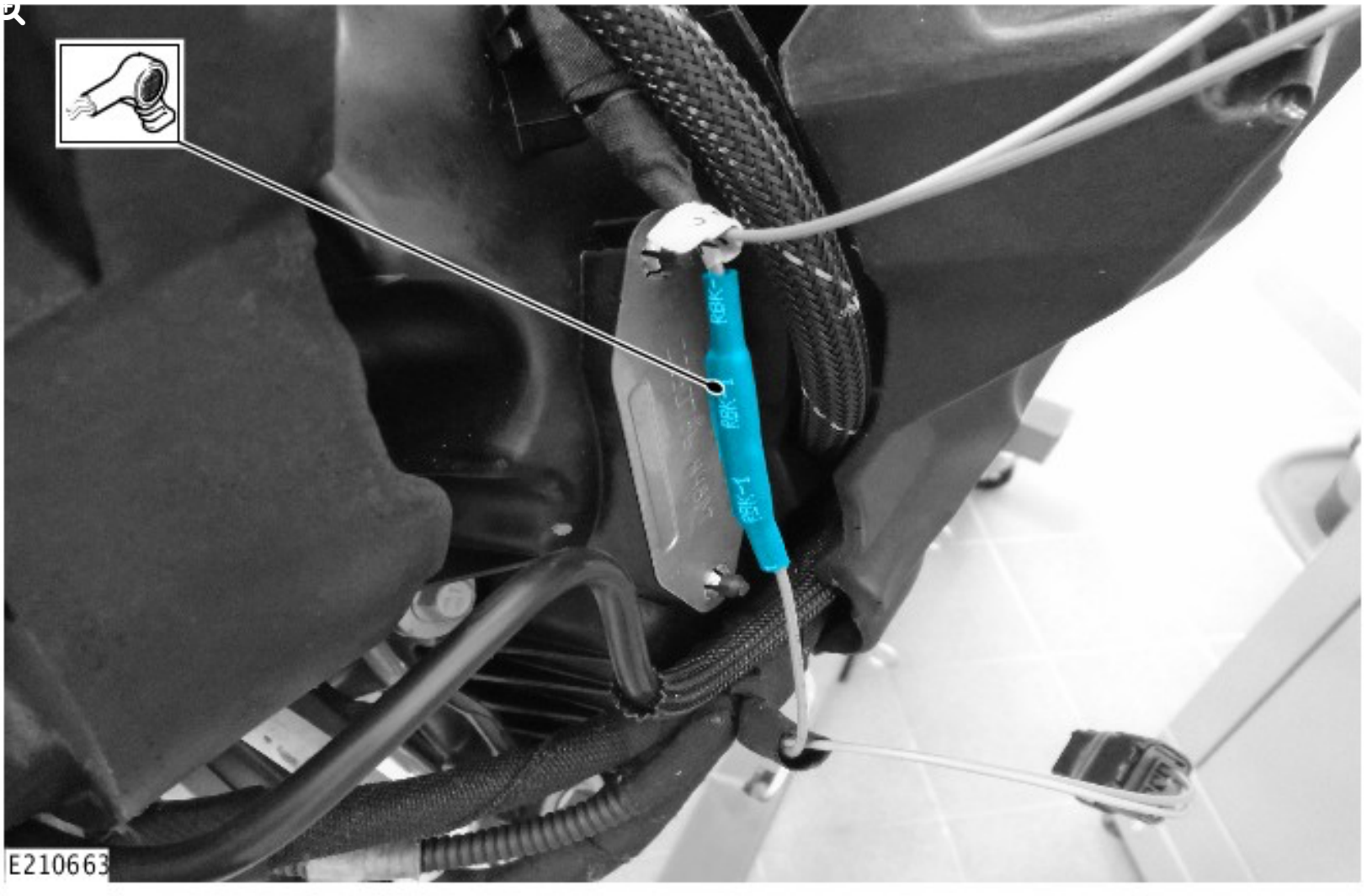
Install the heat shrink onto the blue/brown (BU/BN) wire of the engine wiring harness.



Install the fuel pressure sensor link harness to the engine wiring harness with the splice

connector.

12



Position the heat shrink over the splice connector.

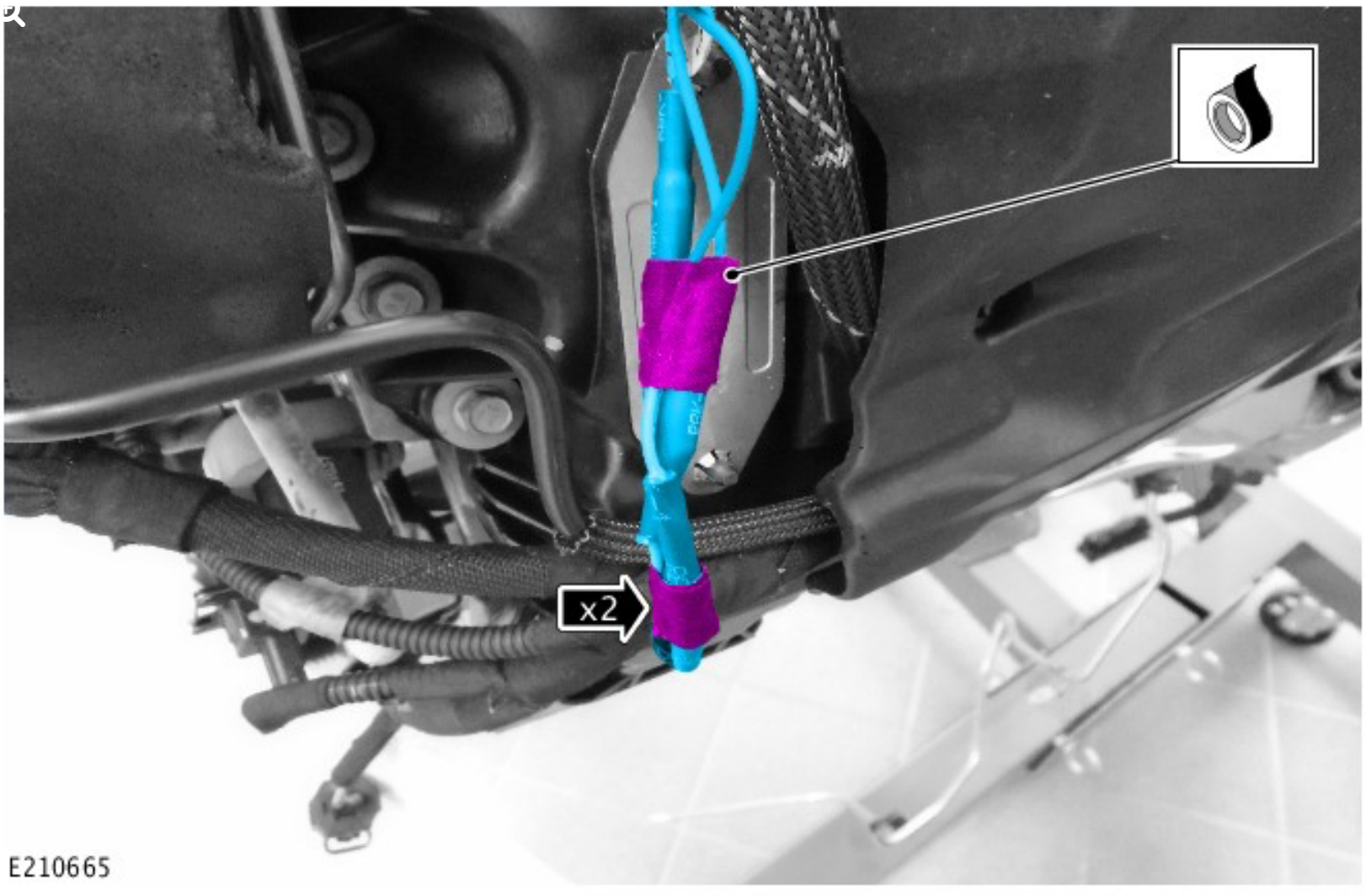
- Using a suitable tool, apply heat to the heat shrink.

13

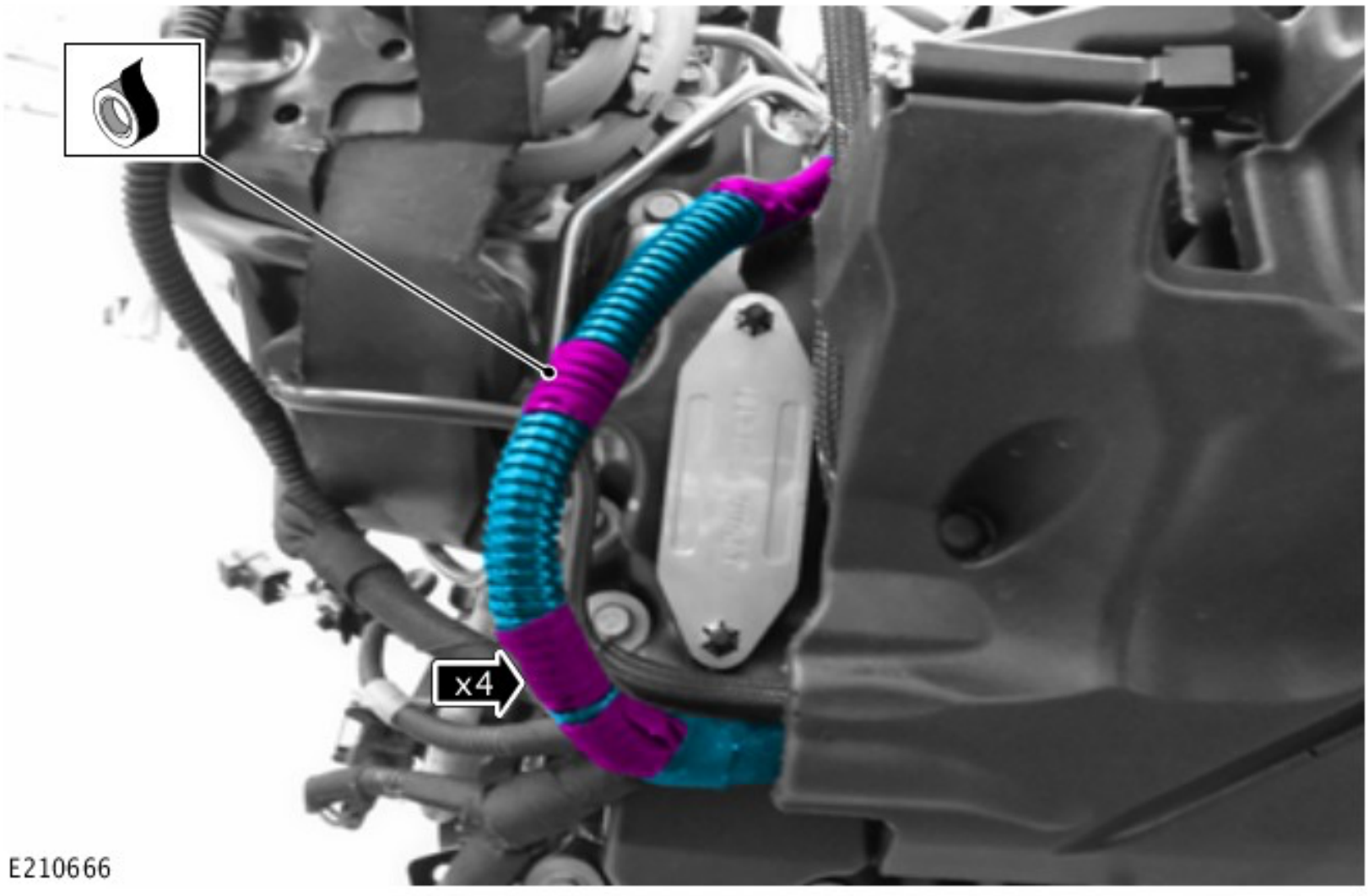
NOTES:

- The remaining 2 wires on the fuel pressure sensor link harness will require cutting to an appropriate length. They should be cut so the splice connectors are staggered along the length of the repair.
- The colors of the fuel pressure sensor link harness are the same as the engine wiring harness.

Repeat steps 10-12 on the remaining 2 wires of the fuel pressure sensor link harness.



Secure the wiring harness with tape provided in the fuel pressure sensor link harness kit.



Cut the wiring conduit supplied in the fuel pressure sensor link harness kit to a suitable

length to cover the wiring repair..

- Install the conduit as shown using the tape from the fuel pressure sensor link harness kit.

16 To install, reverse the removal procedure.