

# TECHNICAL BULLETIN

## K432 UPS7116-3bNAS1

### 04 OCT 2016



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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.

Changes are highlighted in gray

### **SECTION: 100-00**

Update Prior to Sale: Vacuum Pipe and Exhaust Gas Recirculation Pipe Contact

### **AFFECTED VEHICLE RANGE:**

#### **F-PACE (X761)**

<b>Model Year:</b>	2017	
<b>VIN:</b>	050224-077394	INGENIUM I4 2.0L Diesel
<b>Assembly Plant:</b>	Solihull	

#### **XE (X760)**

<b>Model Year:</b>	2017	
<b>VIN:</b>	943887-963452	INGENIUM I4 2.0L Diesel
<b>Assembly Plant:</b>	Solihull	

#### **XF (X260)**

<b>Model Year:</b>	2017	
<b>VIN:</b>	Y17976-Y37303	INGENIUM I4 2.0L Diesel
<b>Assembly Plant:</b>	Castle Bromwich	

### **MARKETS:**

NAS

### **CONDITION SUMMARY:**

**Situation:** An issue has been identified on a limited number of vehicles within the listed Affected Vehicle Range where the chassis mount vacuum pipe assembly has been identified as having the potential to move downwards along its securing position on the dipstick tube and come into contact with the HP exhaust gas recirculation pipe. This may result in the chassis mount vacuum hose melting under direct or radiated heat from the HP exhaust gas recirculation pipe and causing a loss of vacuum pressure to the vacuum line.

**Action:** Retailers are required to **HOLD** affected new vehicles that are within your control and refrain from releasing the vehicles for **new vehicle sale** pending completion of **ALL of the Service Instructions (A-F)** detailed in this Technical Bulletin. Unsold vehicles should have this performed as part of the Pre-Delivery Inspection (PDI) process but **must** have it completed prior to vehicle handover to the customer.

This program does not apply to any vehicle already registered and in use, either with the retailer or customer. Any vehicle already in use may continue to be driven and any repair instructions deemed necessary will be communicated through a separate Field Action or Technical Bulletin.

### **PARTS:**



**NOTE:** Order only the expected percentage demand of parts identified.



**NOTE: NOTE:** it is no longer necessary to contact the Jaguar Customer Team to obtain a fuel line clip. Please follow normal ordering processes.

DESCRIPTION	PART No./SUNDRY CODE	QTY./VALUE	EXPECTED % of VEHICLES REQUIRING PARTS
Stainless Roller Ball Cable Tie (200mm x 4.6mm)	ZZZ001	*\$4.00 [CAD] *\$3.00 [USD]	100
Stainless Roller Ball Cable Tie (200mm x 4.6mm)	ZZZ001	*\$4.00 [CAD] *\$3.00 [USD]	100
Air cleaner	T2H6339	1	< 2.0
Fuel line clip	T2H24805	1	19
Vacuum Pipe	JDE36766	1	< 1.0
Cable tie 300mm x 4.8mm	ZZZ001	*\$0.40 [CAD] *\$0.30 [USD]	20
Cable tie 200mm x 4.5mm	ZZZ001	*\$0.40 [CAD] *\$0.30 [USD]	20
Hose clamps	ZZZ001	*\$16.00 [CAD] *\$12.00 [USD]	100

\* - an allowance has been provided to cover the cost of the locally sourced parts and must be claimed using Sundry Code 'ZZZ001'.

#### **Special NOTES on parts for EGR Heat Sleeve Repair**

Two alternative repair methods are included in the Service Instruction. One utilizes two metal cable ties and the 100-050 BAND-IT special tool. Currently the tool is not available. Utilize the alternative repair method by using the two locally sourced supplemental hose clamps. Jaguar will advise when tool is available.

Locally sourced hose clamp specification:

- Material: 316 stainless steel
- Diameter: 20mm (minimum) / 35mm (maximum)
- Width: 12.7mm

Suitable hose clamp brand name and manufacturer part number:

- Ideal Tridon: Part number 6716M51
- Breeze: Part number 66016
- Allied: Part number HGS30BP

Suitable hose clamps may be ordered from under these vendors using the item numbers listed:

- Hose Clamp Kings: <http://www.hoseclampkings.com>; Item BR 66016
- MSC Industrial Supply Co: <http://www.mscdirect.com>; Item 49709090
- Allied Electronics: <http://www.alliedelec.com>; Item 70524152

#### **SPECIAL TOOLS:**

100-050 (BAND-IT TOOL)

#### **WARRANTY:**



**NOTE: Check DDW to ensure that a vehicle is affected by this program prior to undertaking any rework action.**

At the time of confirming a booking for vehicle repair, ensure that **all** outstanding Recalls and Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Warranty claims must be submitted quoting Program Code **K432** together with Option Code **X**. The drive in / drive out allowance can only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **09 March 2017** closure date must be submitted or payment within 30 calendar days of completion of the repair.

Repair procedures are under constant review and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Refer to TOPIX to obtain the latest repair time.

DESCRIPTION	SRO	TIME
Visually check all 6 faults	05.10.10	0.10
Vacuum Pipe to Exhaust Gas Recirculation (EGR) - Repair	05.10.10	0.10
Air Cleaner Cap - Repair	05.10.10	0.10
Air Cleaner Element - Engine Set - Renew	19.10.05	0.30
Harness Carrier - Repair	05.10.10	0.10
Fuel Line Clip - Repair	05.10.10	0.10
NOx Sensor Wiring - Repair	05.10.10	0.10
EGR Heat Sleeve - Repair	05.10.10	0.10
Vacuum pipe - Renew	05.10.20	0.20
Drive in/drive out	10.10.10	0.20

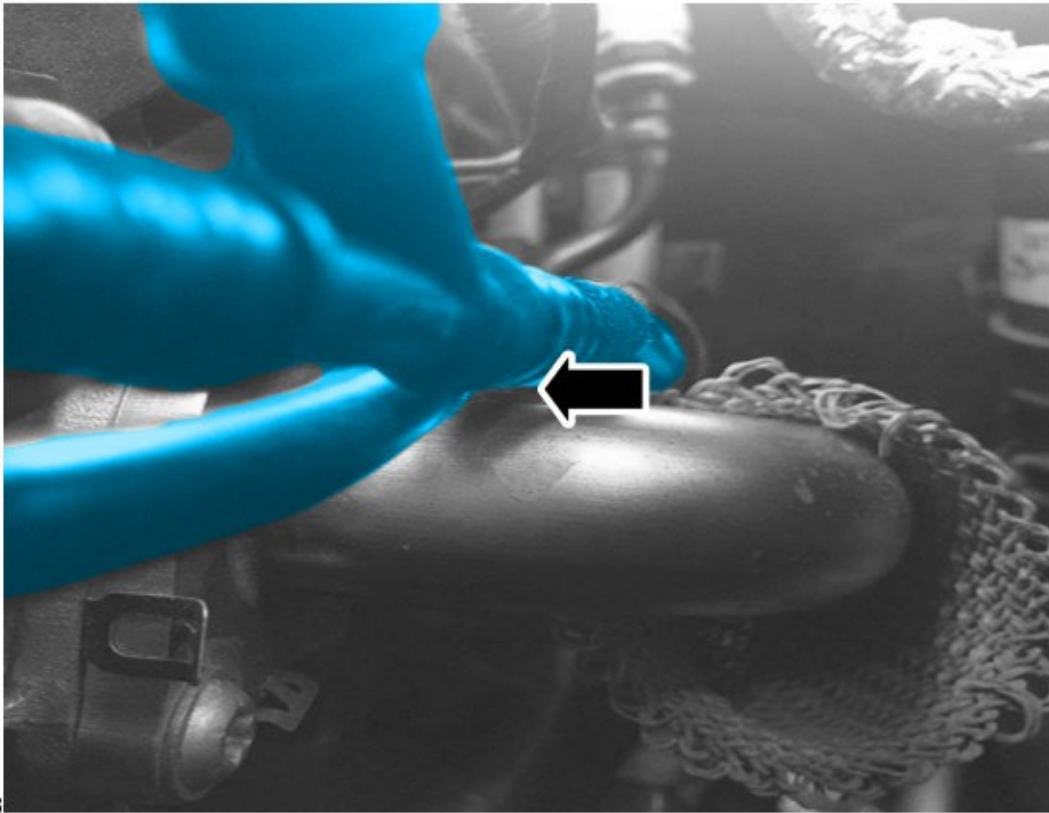
Normal Warranty policies and procedures apply.

\* - an allowance has been provided to cover the cost of the locally sourced cable ties and hose clamps and must be claimed using Sundry Code 'ZZZ001'.

## **SERVICE INSTRUCTION A**

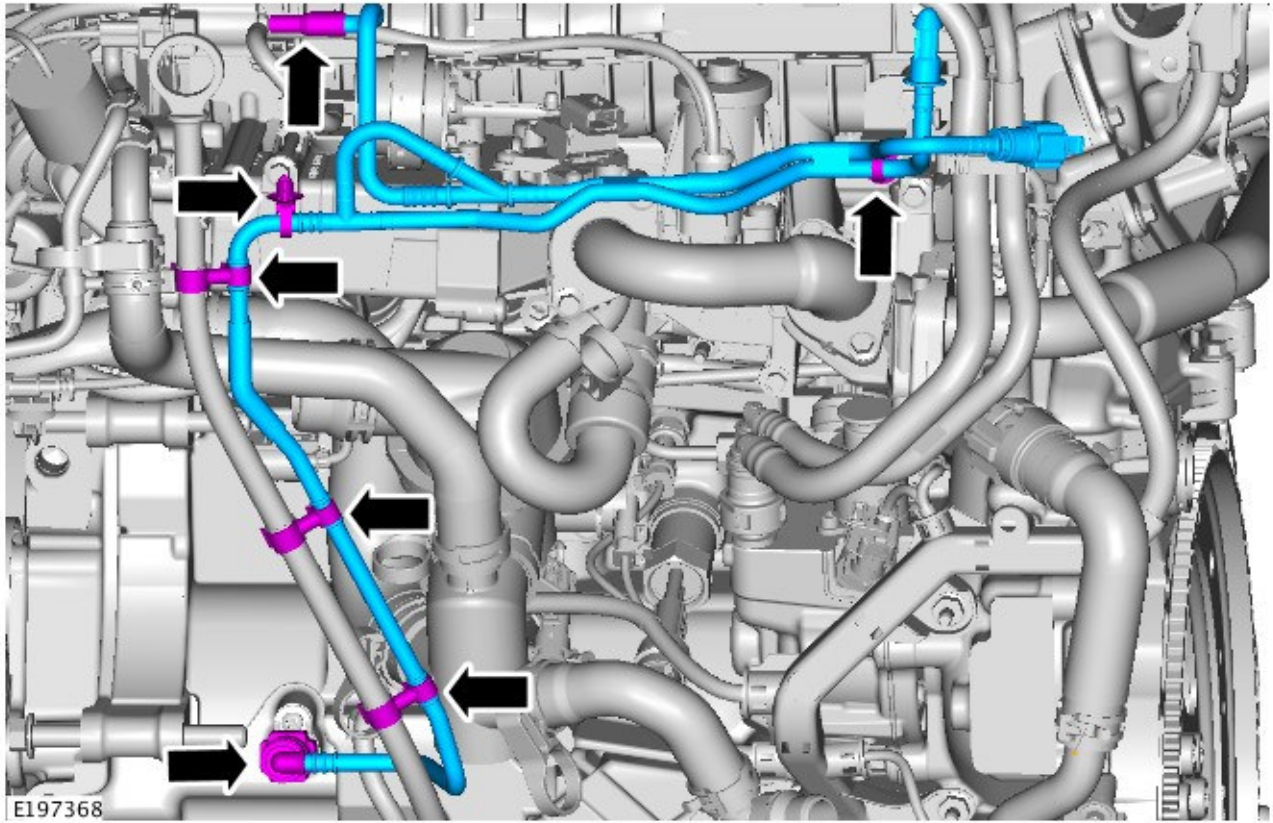
### **Vacuum Pipe-to-Exhaust Gas Recirculation (EGR) Check/Repair**

1. Visually check the condition of the vacuum pipe for damage from the Exhaust Gas Recirculation (EGR) pipe.
  - If the vacuum pipe is not damaged, go to Step 3.
  - If the vacuum pipe is damaged, go to Step 2.

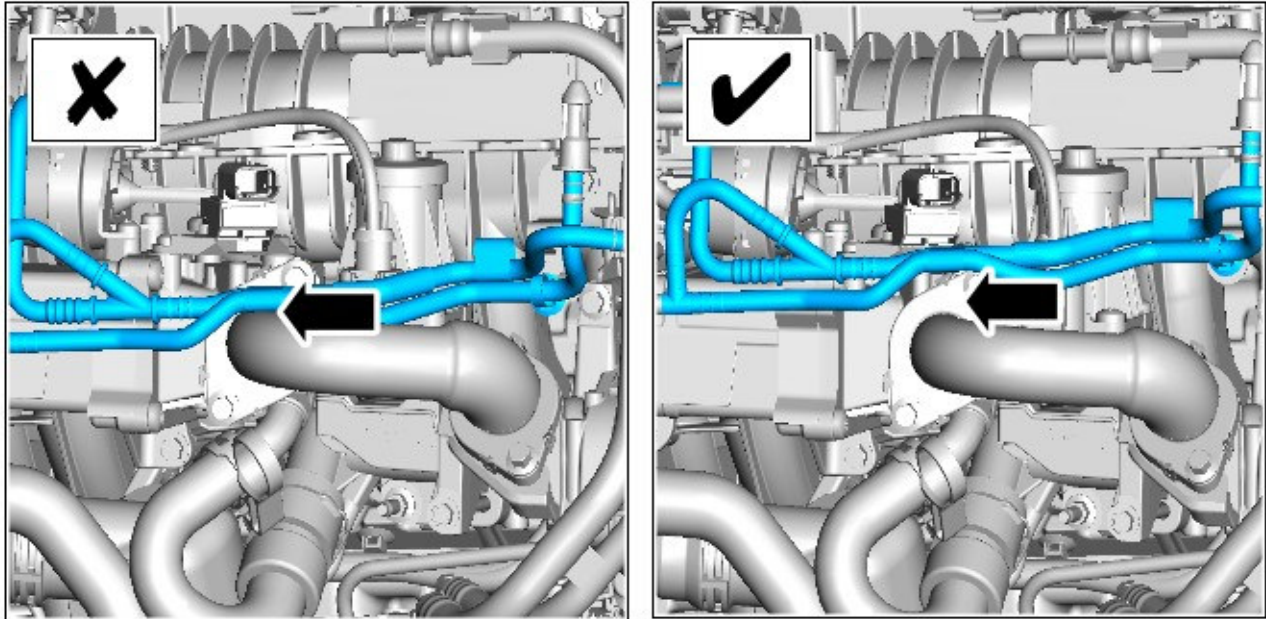


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2. Replace the vacuum pipe.



3. Check for a 10mm gap between the vacuum pipes and the EGR cooler pipe (✓).

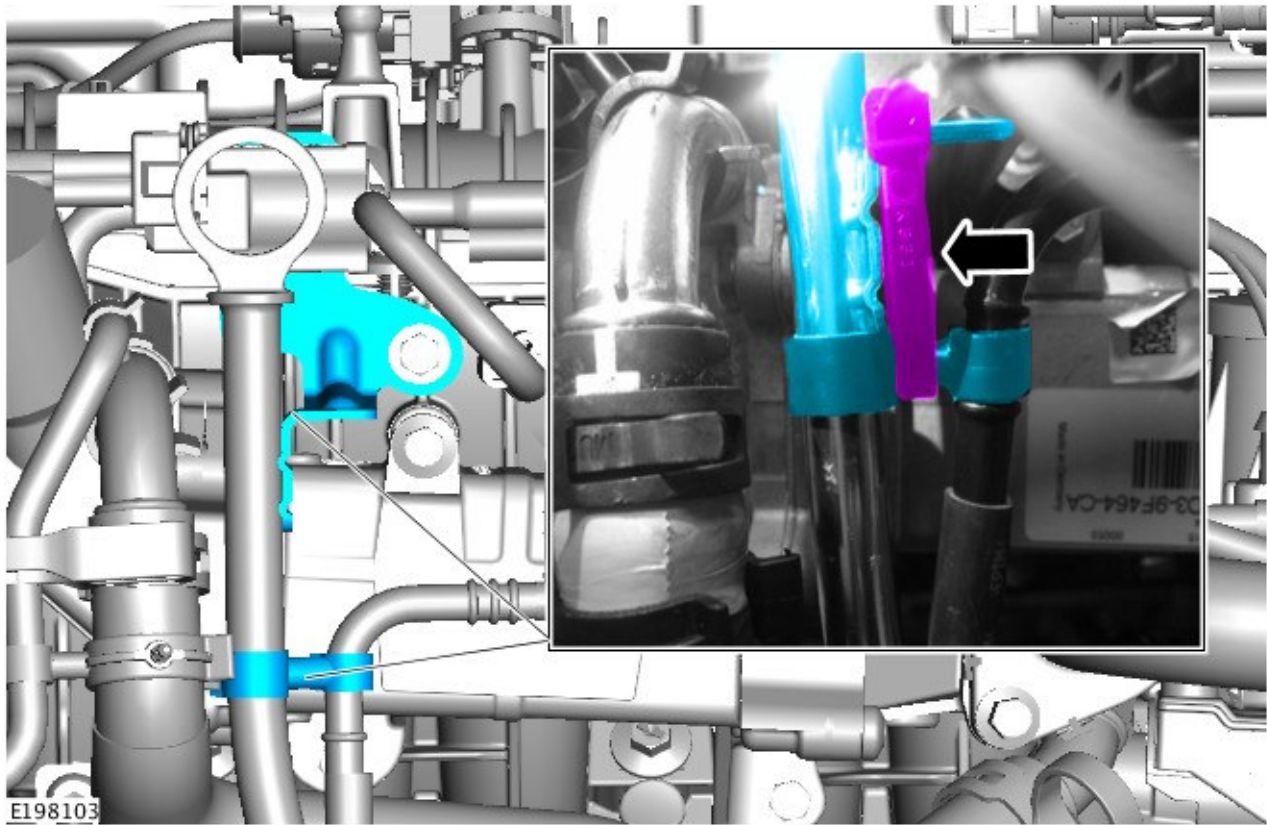


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4.  **NOTE: There MUST be a 10mm gap between the vacuum pipes and the EGR cooler pipe as shown in Step 3 (✓).**

Check that there is a cable tie fitted and that there is a 10mm gap between the vacuum pipes and the EGR cooler pipe as shown in Step 3 (✓).

- If a cable tie is fitted, make sure there is a 10mm gap between the vacuum pipes and the EGR cooler pipe as shown in Step 3 (✓).
  - Go to SERVICE INSTRUCTION B.
- If a cable tie is not fitted, install a cable tie as shown, making sure there is a 10mm gap between the vacuum pipes and the EGR cooler pipe as shown in Step 3 (✓).
  - Trim excess cable tie.
  - Go to SERVICE INSTRUCTION B.



### **SERVICE INSTRUCTION B**

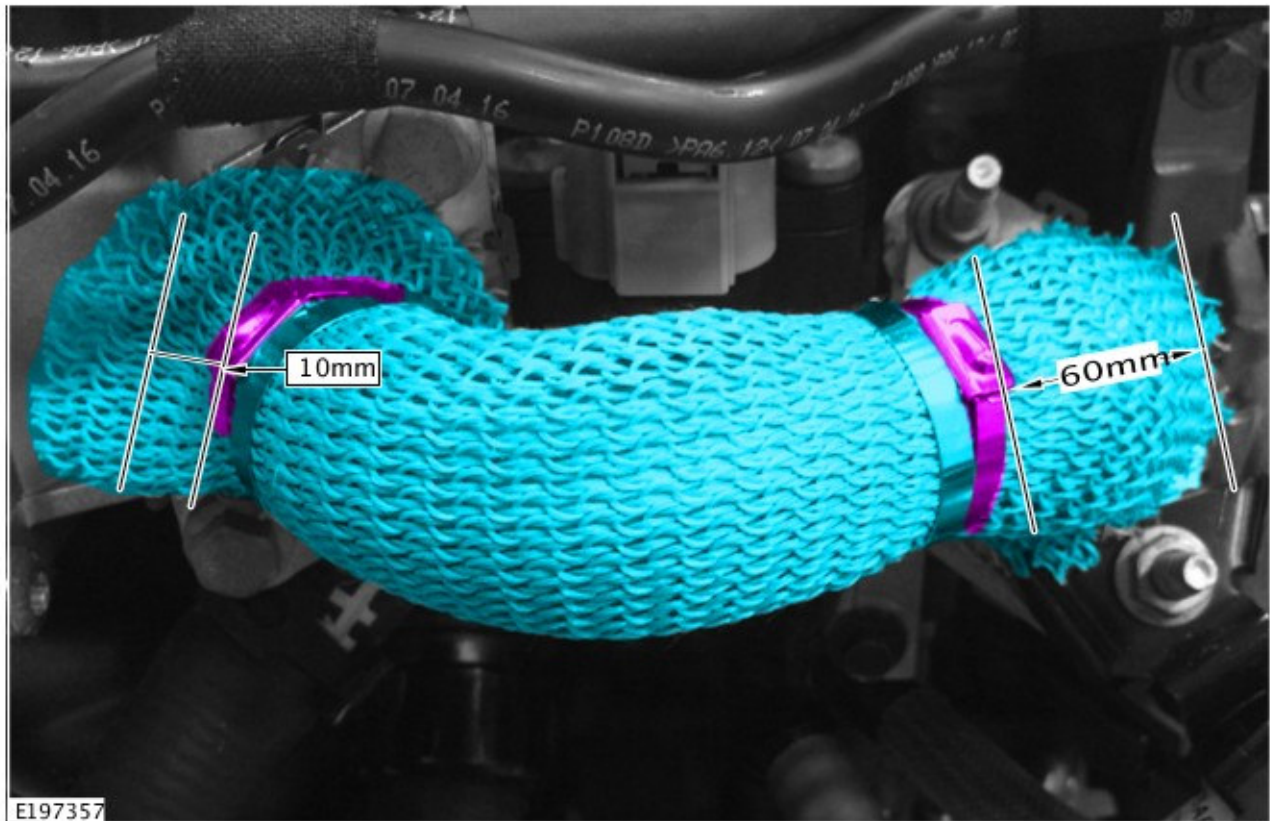
#### **Exhaust Gas Recirculation (EGR) Heat Sleeve Check/Repair**

1.  **NOTE: The existing clamps must remain installed to the heat sleeve to avoid damage.**

1.  **NOTE: Make sure the heat sleeve is secure and does not move with the new fasteners installed.**

Install new metal cable ties to the heat sleeve.

- If a new metal cable tie is not available, go to Step 2.
- Use a new metal cable tie; tighten using special tool 100-050 (BAND-IT TOOL).
- Go to SERVICE INSTRUCTION C.



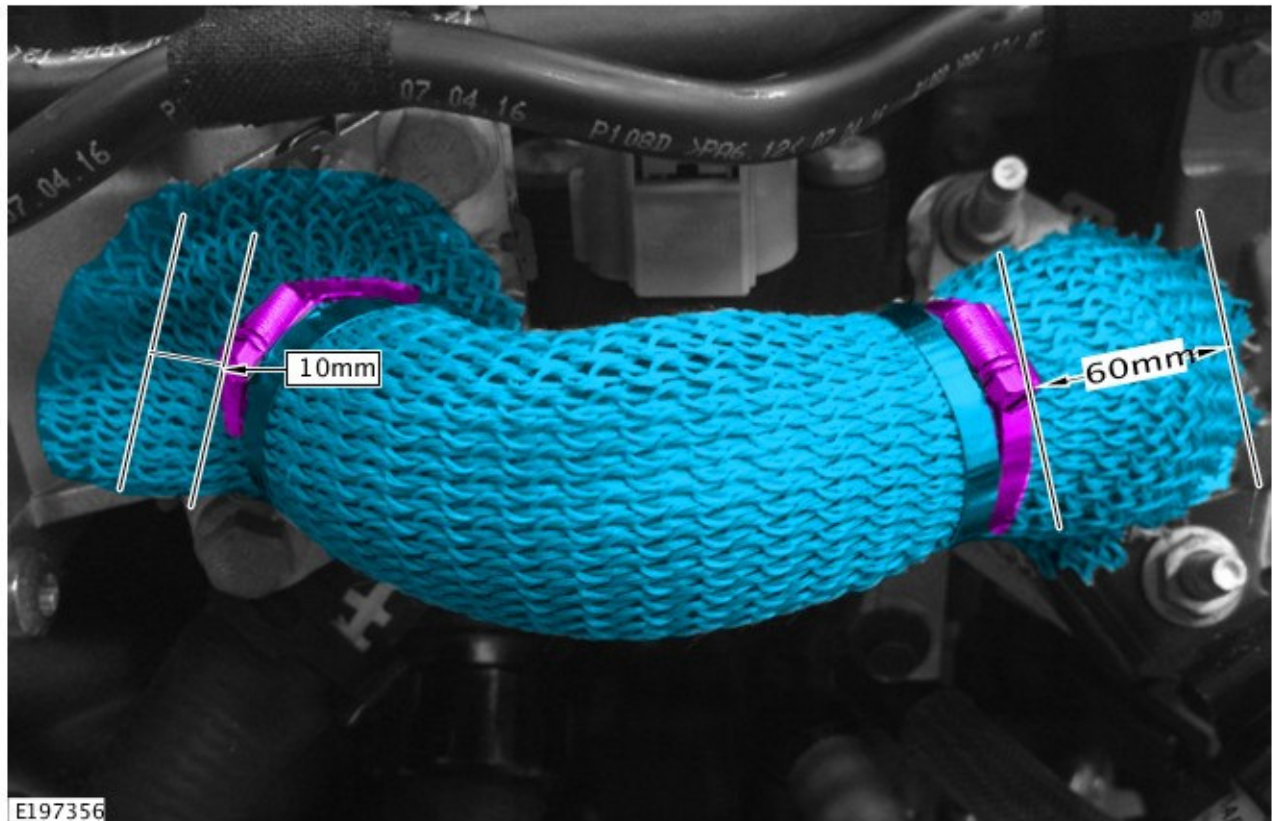
2.  **NOTE: The existing clamps must remain installed to the heat sleeve to avoid damage.**

-  **NOTE: Make sure the heat sleeve is secure and does not move with the new hose clamps installed.**

Install new hose clamps to the heat sleeve.

- Torque: **3.5Nm**
  - Go to SERVICE INSTRUCTION C.



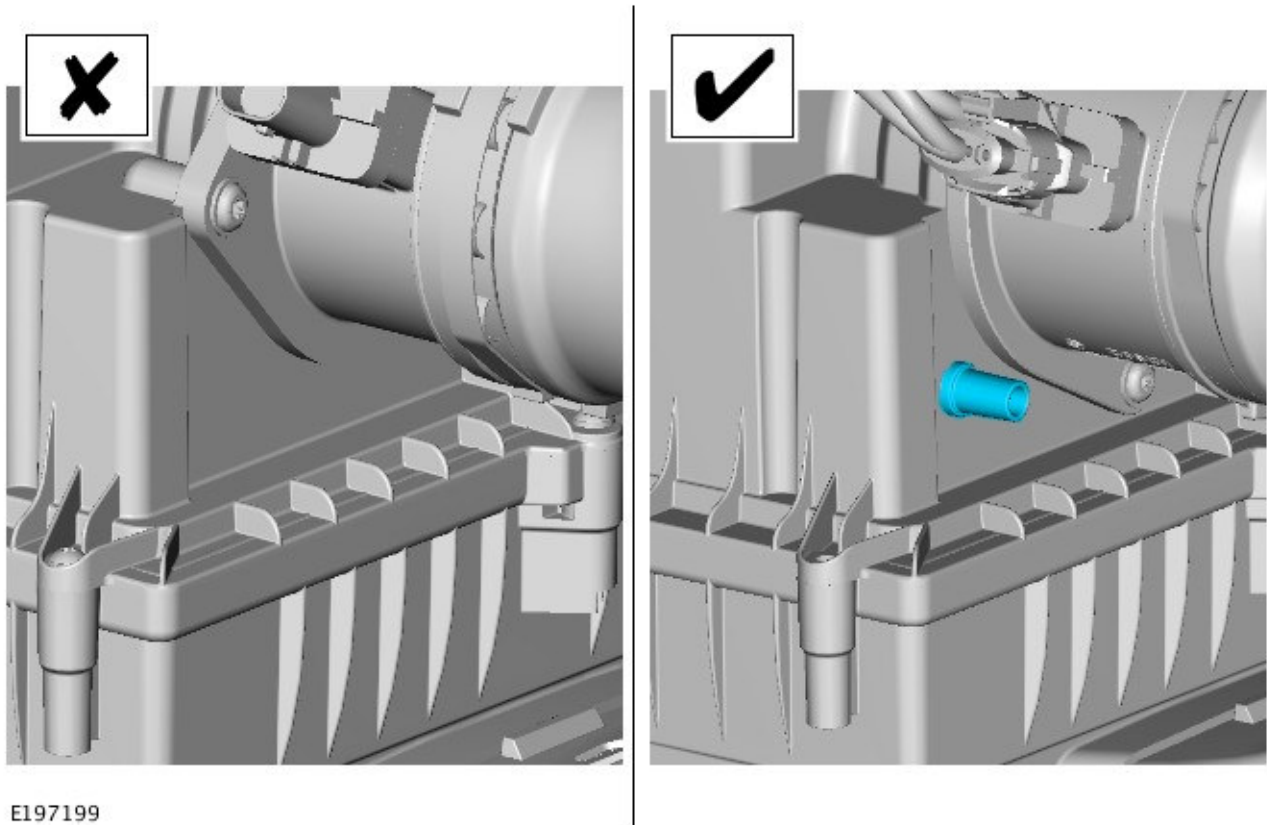


### **SERVICE INSTRUCTION C**

#### **Air Cleaner Cap Check/Repair**

1. Visually check the air cleaner.

- If the air cleaner does have the outlet installed (✓), go to Step 3.
- If the air cleaner does not have the outlet installed (✗), go to Step 2.

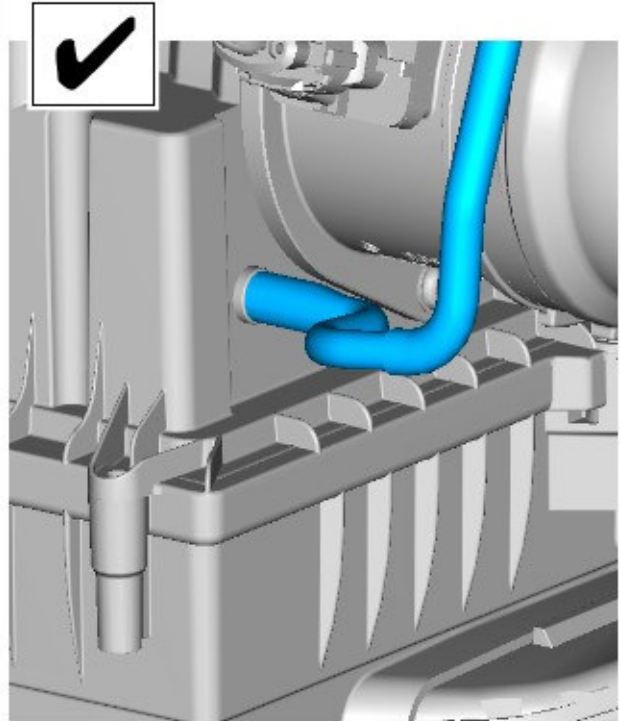
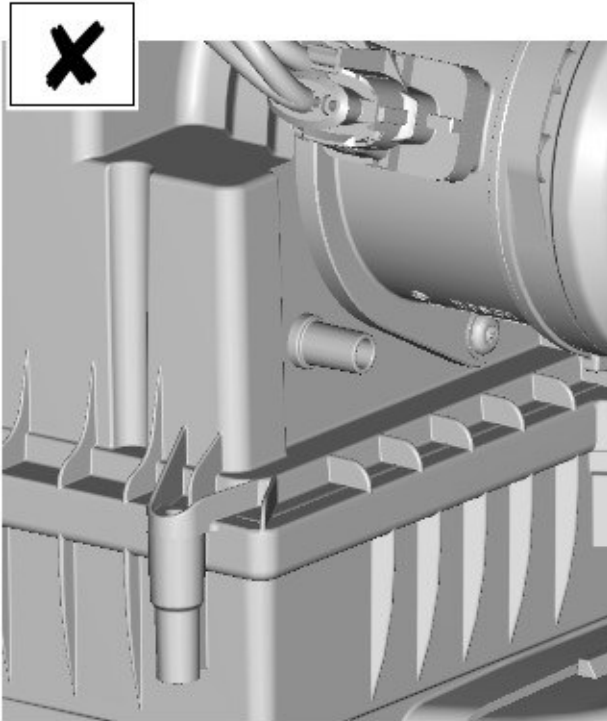


**2.** Replace the air cleaner (see TOPIx Workshop Manual section 303-12: Intake Air Distribution and Filtering).

- Make sure to attach the air cleaner pipe as shown (✓) in Step 3.

**3.** Visually check the air cleaner.

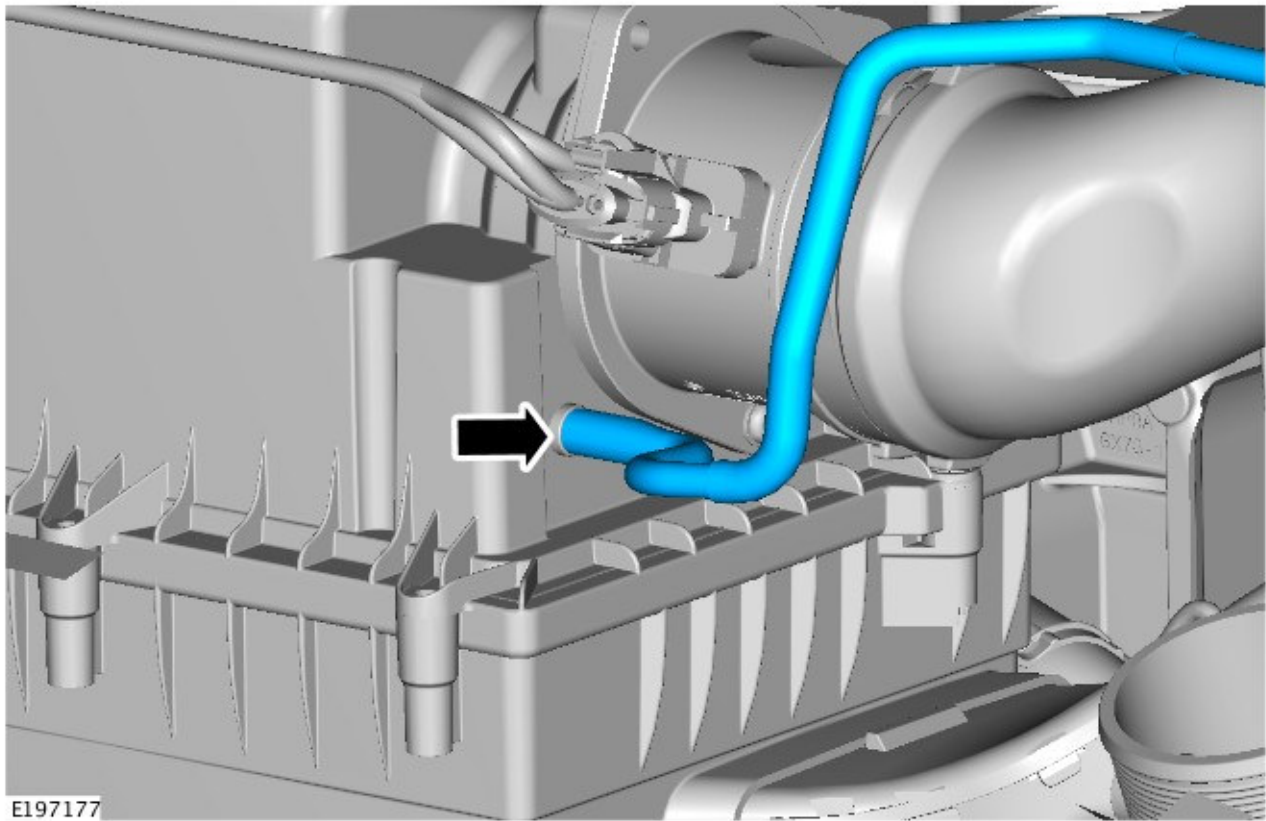
- If the air cleaner pipe is installed correctly (✓), go to SERVICE INSTRUCTION D.
- If the air cleaner pipe is not installed correctly (✗), go to Step 4.



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**4. Install the air cleaner pipe as shown.**

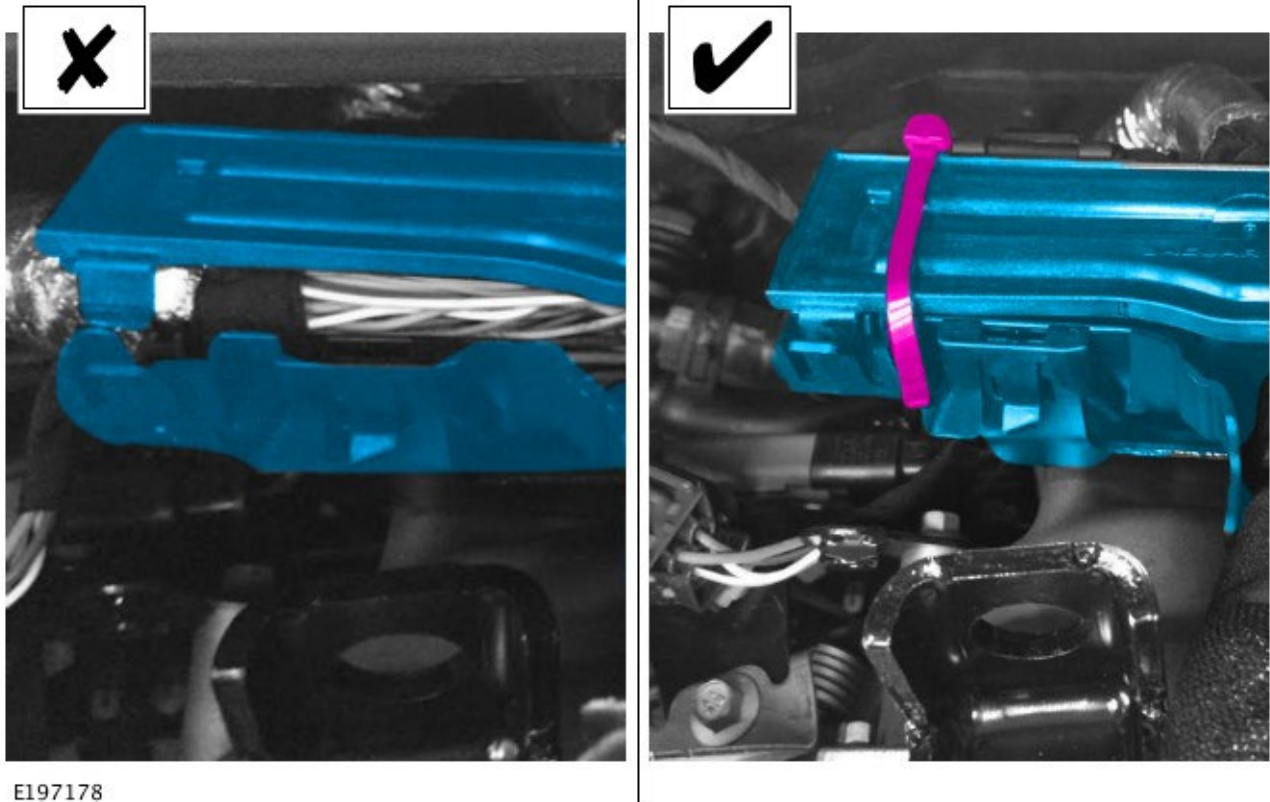
- Go to SERVICE INSTRUCTION D.



### **SERVICE INSTRUCTION D**

#### **Harness Carrier Check/Repair**

1. Remove engine cover (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation).
2. Visually check the harness carrier is installed correctly.
  - If the harness carrier is installed correctly (✓), go to SERVICE INSTRUCTION E.
  - If the harness carrier is not installed correctly (✗), go to Step 3.



3. Install a cable tie to the harness carrier as shown in Step 2 (✓).

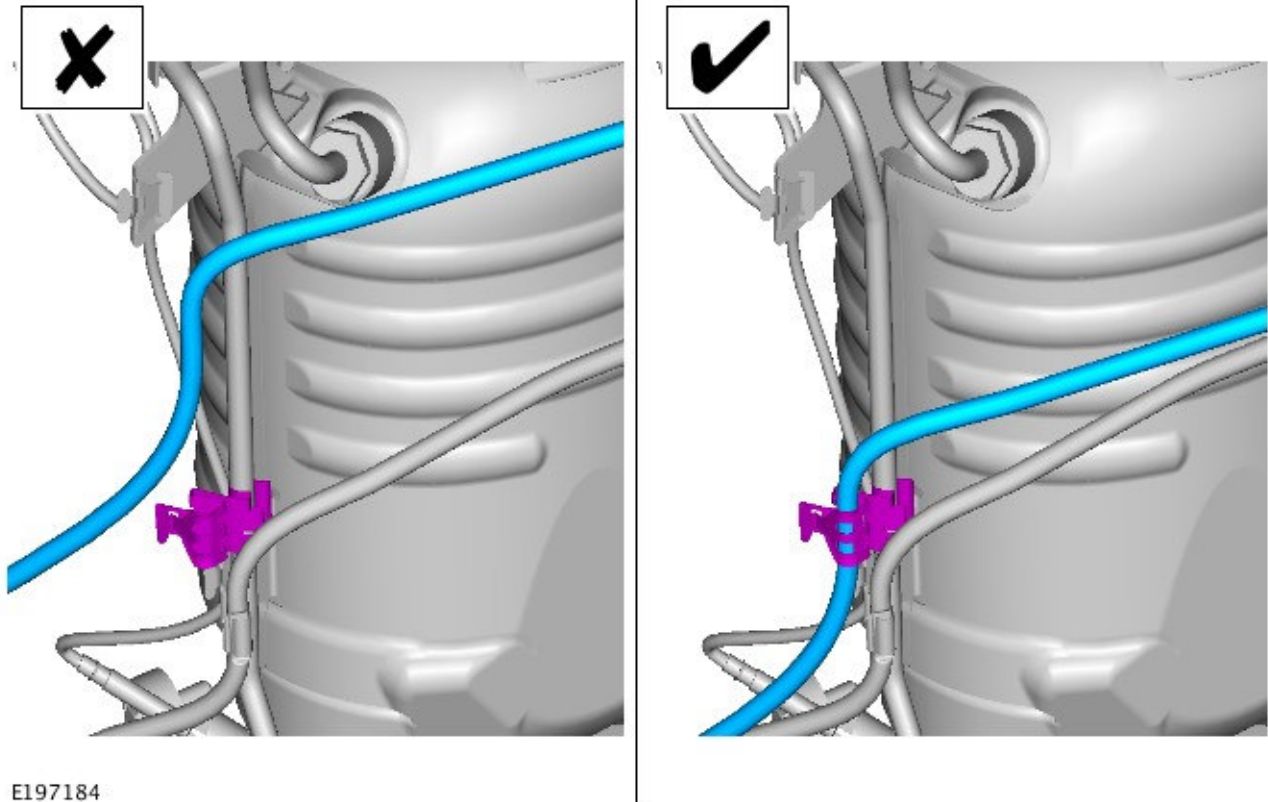
- Go to SERVICE INSTRUCTION E.

### **SERVICE INSTRUCTION E**

#### **NOx Sensor Wiring Check/Repair**

1. Visually check the NOx wiring is installed correctly to the Diesel Particulate Filter (DPF).

- If the NOx wiring is installed correctly (✓), go to SERVICE INSTRUCTION F.
- If the NOx wiring is not installed correctly (✗), go to Step 2.



2. Install the NOx wiring correctly as shown in Step 1 (✓).

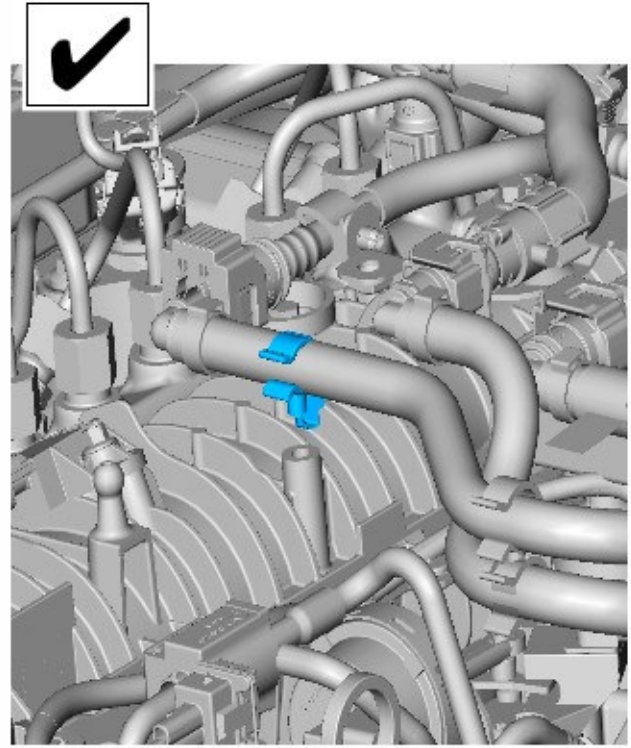
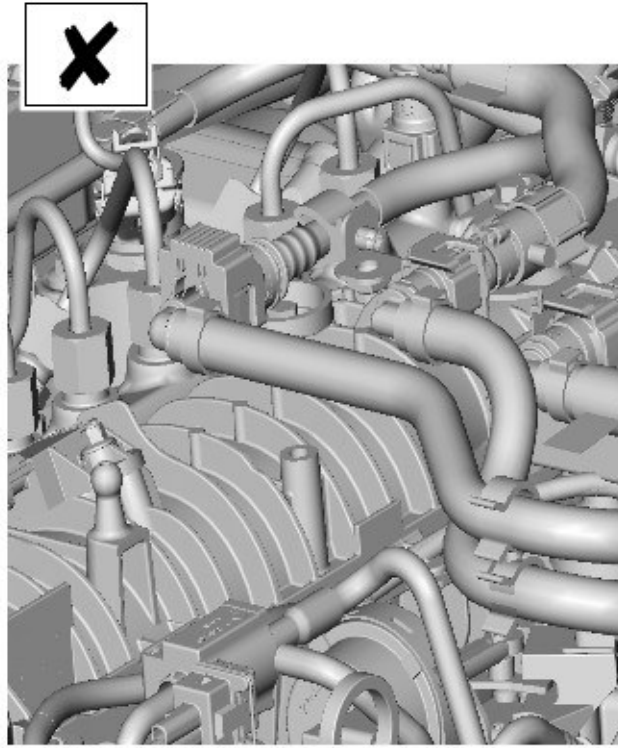
- Go to SERVICE INSTRUCTION F.

### **SERVICE INSTRUCTION F**

#### **Fuel Line Clip Check/Repair**

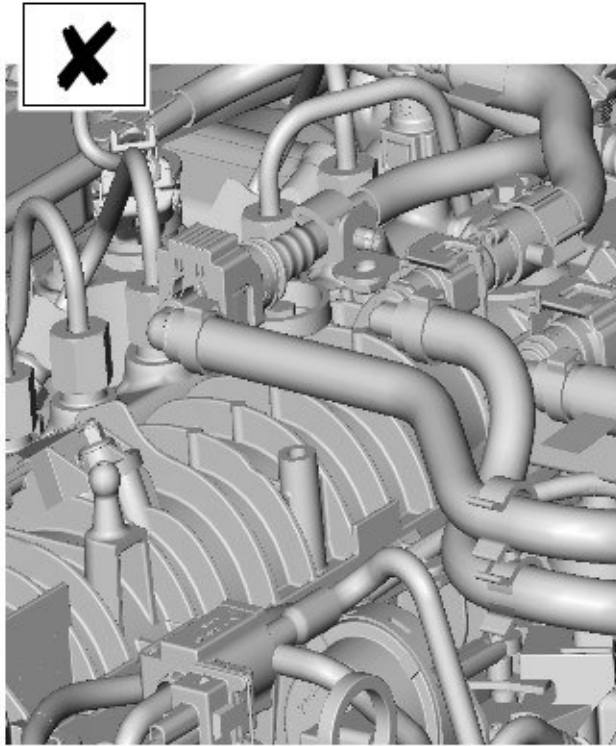
1. Visually check the fuel line and clip are installed correctly.

- If the fuel pipe and clip are installed correctly (✓) and all the other SERVICE INSTRUCTIONS are complete, go to Step 5.
- If the fuel line and clip are not installed correctly (✗), go to Step 2.

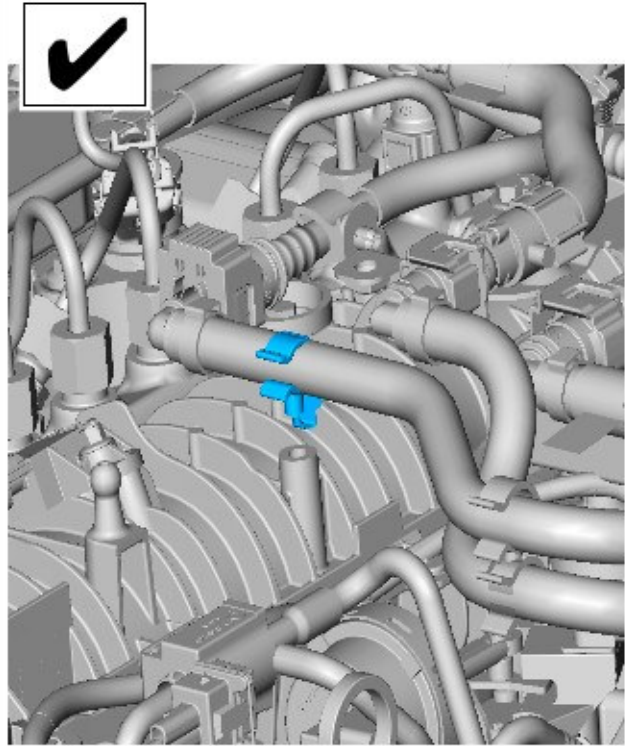


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2. Install a new fuel line clip as shown (✓).



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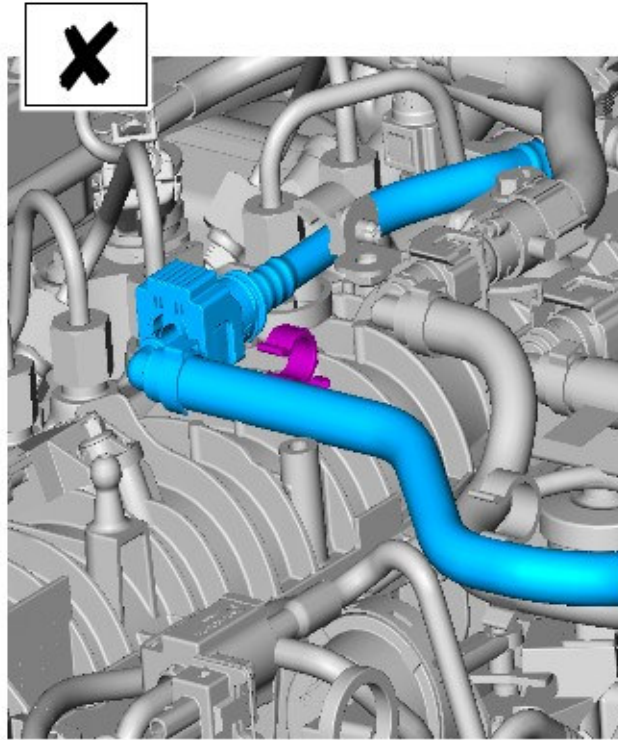


3.  **NOTE: It is no longer necessary to contact the Jaguar Customer Team to obtain a fuel line clip. Please follow normal ordering processes.**

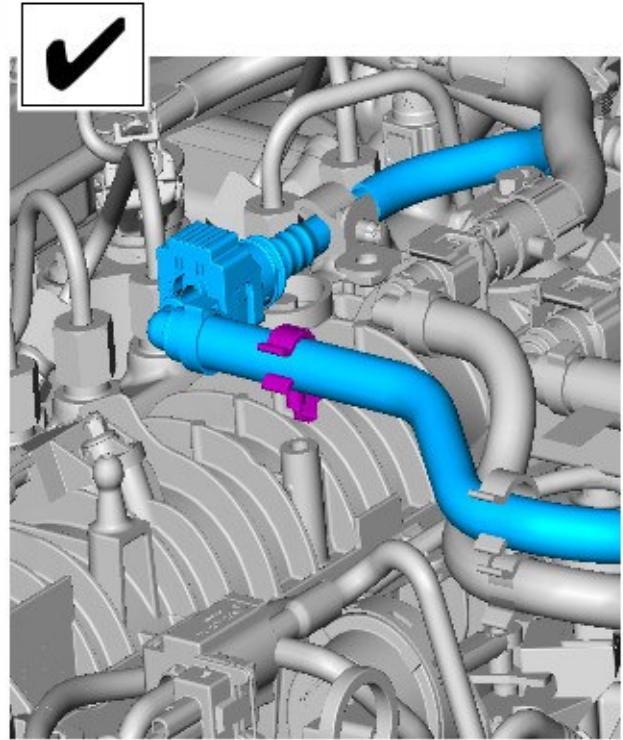
Visually check the fuel line is installed correctly as shown.

- If the fuel line is installed (✓), go to Step 5.
- If the fuel line is not installed correctly (✗), go to Step 4.

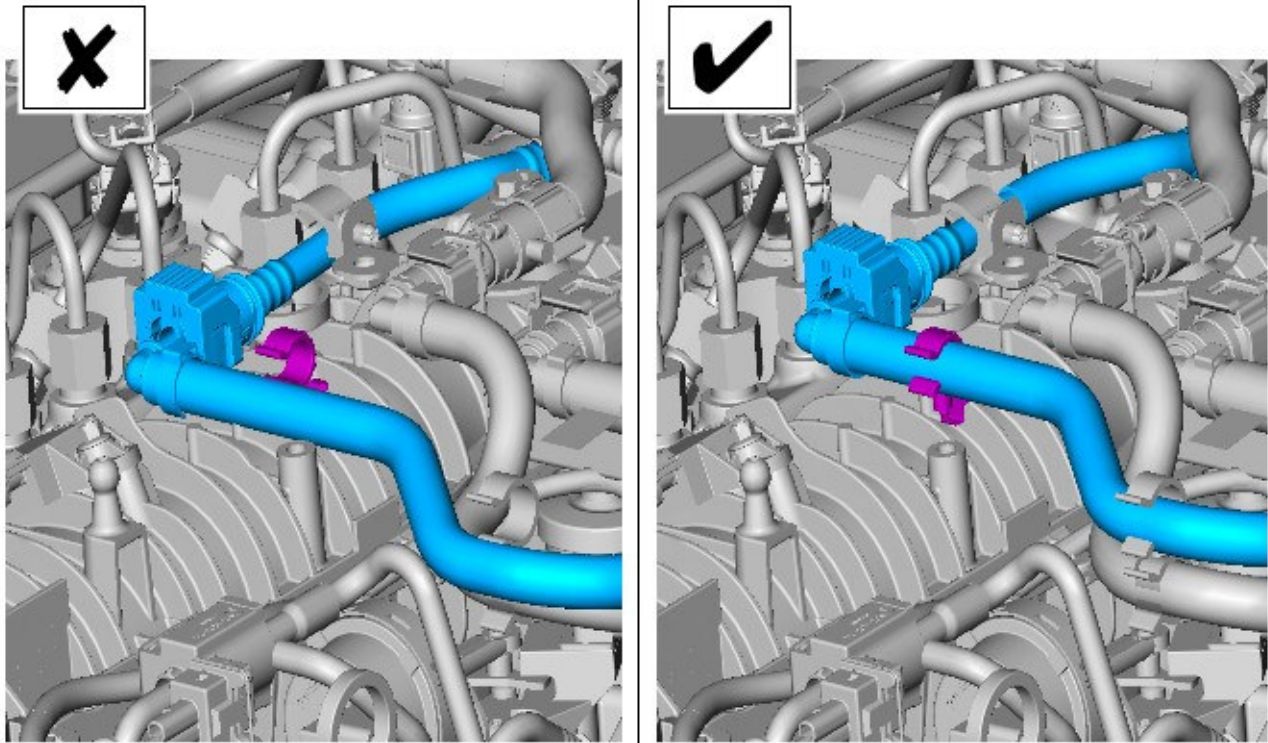




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4. Install the fuel line correctly as shown (✓).



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**5.** Install the engine cover (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation).

- If all six workshop procedures have been completed successfully, release the vehicle.
- If any of the six workshop procedures have not been completed successfully, continue to hold the vehicle.