

H039NAS1

# TECHNICAL BULLETIN

31 AUG 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

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### SECTION:

303-04C: Fuel Charging and Controls

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### SUBJECT/CONCERN:

SAFETY RECALL: Incorrect Installation of High Pressure (HP) Fuel Pump

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### AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
F-PACE (X761)	2017	888024	Solihull	V6 S/C 3.0L Petrol

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### MARKETS:

**CONDITION SUMMARY:**

**SITUATION:**

An issue has been identified on the one (1) vehicle listed within the Affected Vehicle Range. One or both of the bolts used to attach the high pressure fuel pumps may be too long and not secure the high pressure fuel pump as required. During normal vehicle usage, vibration of the high pressure fuel pump can lead to a fracture of a brazed joint on the low pressure fuel input pipe. This can lead to a liquid fuel leak into the engine compartment.

Fuel odor may be noticed by the driver and they may also observe liquid fuel underneath the vehicle. Should leaking fuel come into contact with a sufficiently hot surface, there is an increased risk of fire.

**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 the Workshop Procedure 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.

Affected vehicles already in the hands of customers should be updated at the next available opportunity.

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**PARTS INFORMATION**

**NOTE:**

Order only the expected percentage demand of parts identified.

DESCRIPTION	PART NO./SUNDRY CODE	QTY./VALUE	EXPECTED % OF VEHICLES REQUIRING PARTS
High Pressure (HP) cross-over fuel pipe	AJ813860	1	100%
Low pressure (LP) feed pipe to HP fuel pump	C2Z31229	1	100%

DESCRIPTION	PART NO./SUNDRY CODE	QTY./VALUE	EXPECTED % OF VEHICLES REQUIRING PARTS
HP fuel feed pipe	C2Z30691	1	100%
HP fuel pump cover - All Wheel Drive (AWD)	AJ813761	1	100%
HP fuel pump cover - AWD	AJ813760	1	100%
HP fuel pump - AWD	C2Z31828	1	100%
HP fuel pump - AWD	C2Z31827	1	100%
Exhaust nuts	XR82889	2	100%
HP fuel pump fixing bolts	AJ810551	4	100%
Oil filter	C2D3670	1	100%
Drain plug	AJ88461	1	100%
Engine oil	*ZZZ001	*\$81.25	100%

\* - an allowance (\$81.25 USD [or local equivalent]) has been provided to cover the cost of the oil. Claim using Sundry Code 'ZZZ001'.

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#### SPECIAL TOOLS:

Refer to TOPIx Workshop Manual/Workshop Procedure for any required special tools.

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#### 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 Recall 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 the Program Code, Option Code 'X', the relevant SRO, and all relevant parts and Sundry Code information, using only the parts and labor operations performed on the vehicle. The SRO that allows for 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.

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 TOPlx to obtain the latest repair time.

Warranty claims must be submitted or payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
H039	X	Fuel Pump - Vehicle Set - Fuel Pump and Fuel Rail Supply Pipes - Renew	19.45.20.01	3.6	AJ813860	1
					C2Z31229	1
					C2Z30691	1
					AJ813761	1
					AJ813760	1
					C2Z31828	1
					C2Z31827	1
					XR82889	2
					AJ810551	4
					C2D3670	1
					AJ88461	1
					*ZZZ001	*\$81.25
H039	X	Drive in/drive out	10.10.10	0.2	-	-

Normal Warranty policies and procedures apply.

\* - an allowance (\$81.25 USD [or local equivalent]) has been provided to cover the cost of the oil. Claim using Sundry Code 'ZZZ001'.

#### WORKSHOP PROCEDURE:

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<sup>1</sup> Open the hood.

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<sup>2</sup> Remove the engine cover (see TOPlx Workshop Manual section 501-05: Interior Trim and Ornamentation - Engine Cover).

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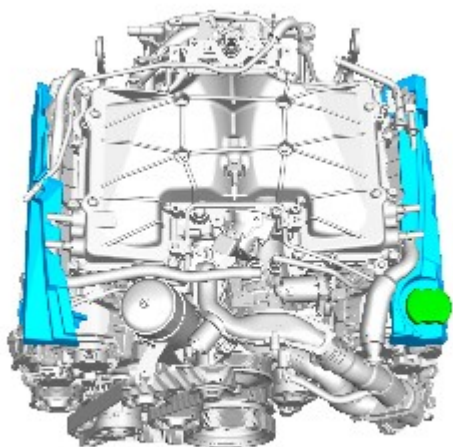
3 Release the pressure from the fuel system (see TOPIx Workshop Manual section 310-00: Fuel System - General Information Fuel System Pressure Release).

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4 Disconnect the startup battery (see TOPIx Workshop Manual section 414-01: Battery, Mounting and Cables - Battery Disconnect and Connect).

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Remove the Noise, Vibration and harshness (NVH) material from the engine.

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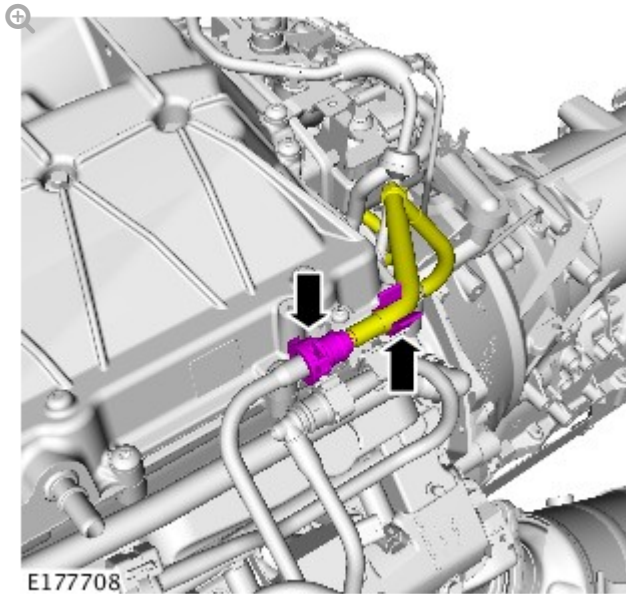
6

**WARNING:**

Be prepared to collect escaping fuel.

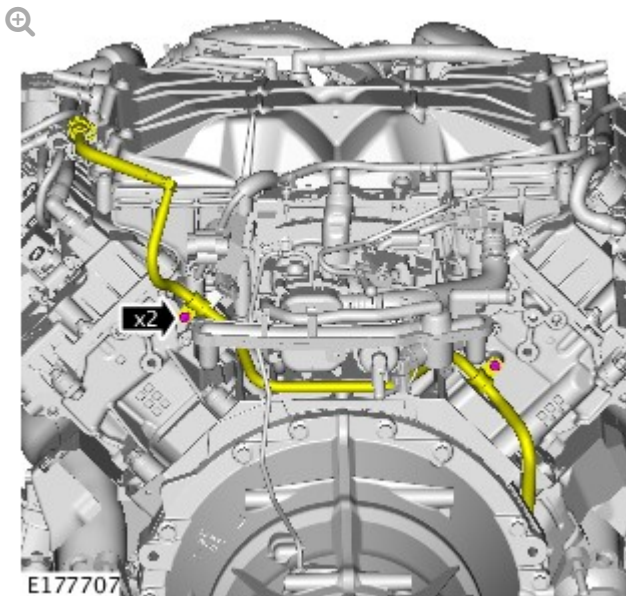
**CAUTION:**

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected, all openings must be sealed.



Disconnect the fuel pump supply pipe connector.

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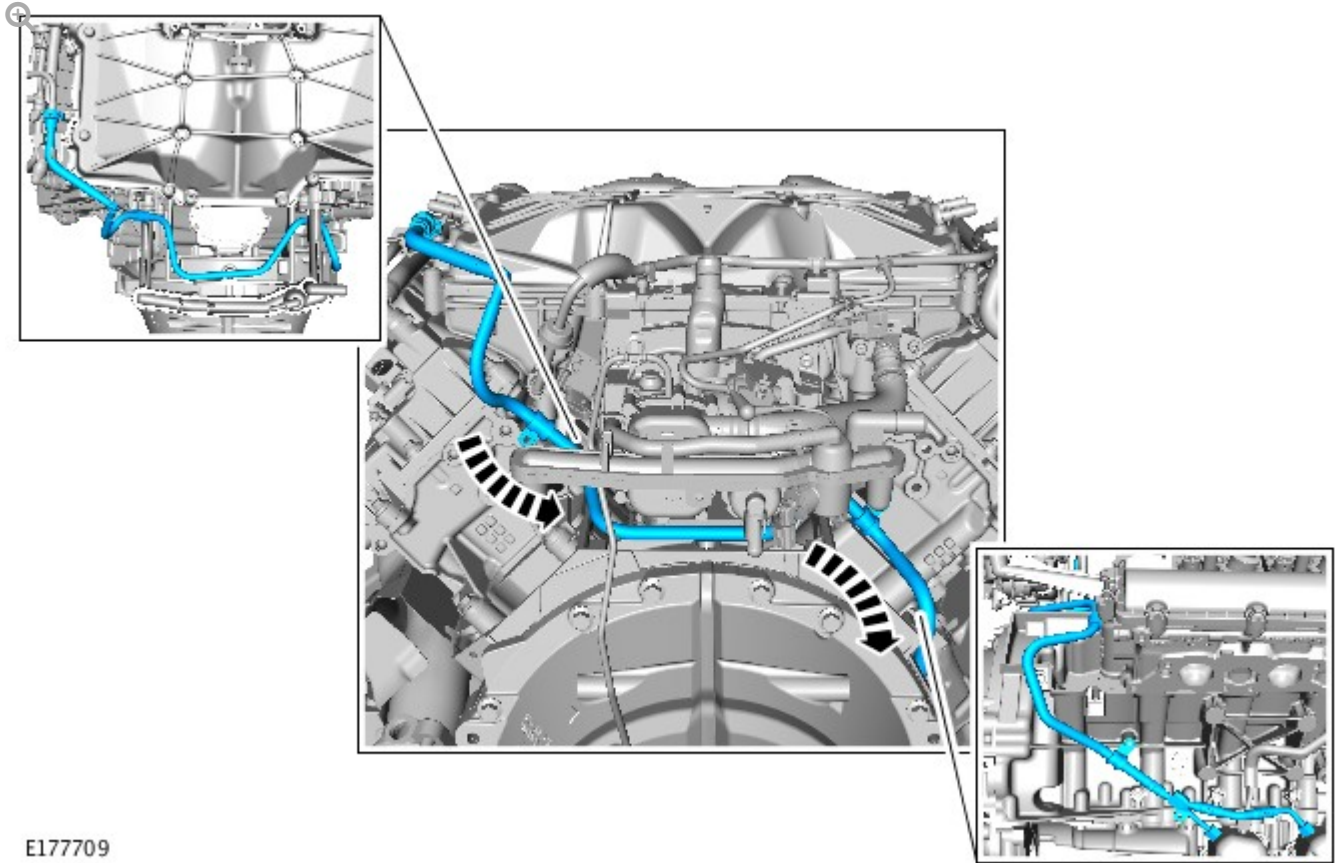


Remove the fuel pump supply pipe bolts.

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**NOTE:**

The fuel pump supply line will remain connected to the High Pressure (HP) fuel pumps at this step.



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Release the fuel pump supply pipe from the top of the engine.

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9 Raise the vehicle on a ramp (see TOPlx Workshop Manual section 100-02: Jacking and Lifting).

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10 **NOTE:**

The exhaust clamp must be reused.

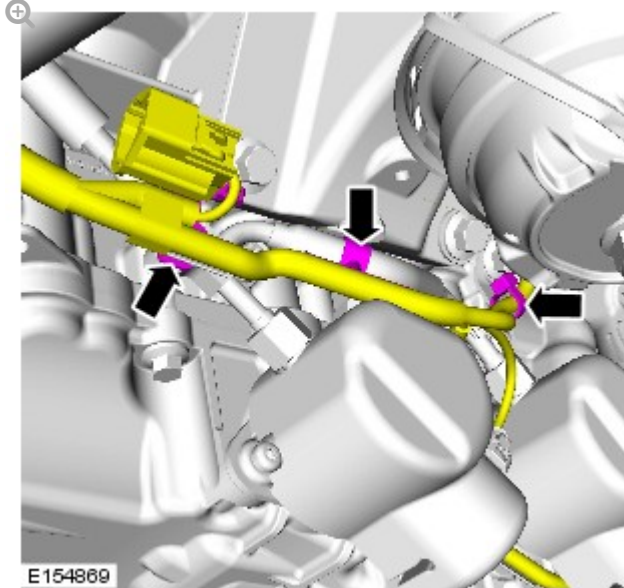
Remove the right catalytic converter (see TOPlx Workshop Manual section 309-00: Exhaust System - Right Catalytic Converter).

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11 Remove the starter motor (see TOPlx Workshop Manual section 303-06: Starting system - Starter Motor).

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Position the wiring harness to one side.

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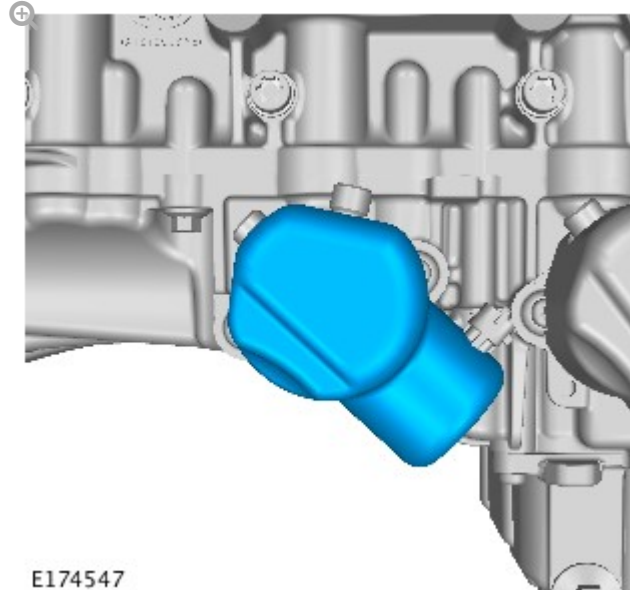
**NOTES:**

- Replace both the fuel pump and fuel rail supply pipes.
- Complete the removal steps.
- Discard the HP fuel pump bolts.

Remove the HP fuel pump 1 (see TOPIx Workshop Manual section 303-04: Fuel Charging and Controls - High Pressure Fuel Pump 1).



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Remove the cover from the HP fuel pump 2.

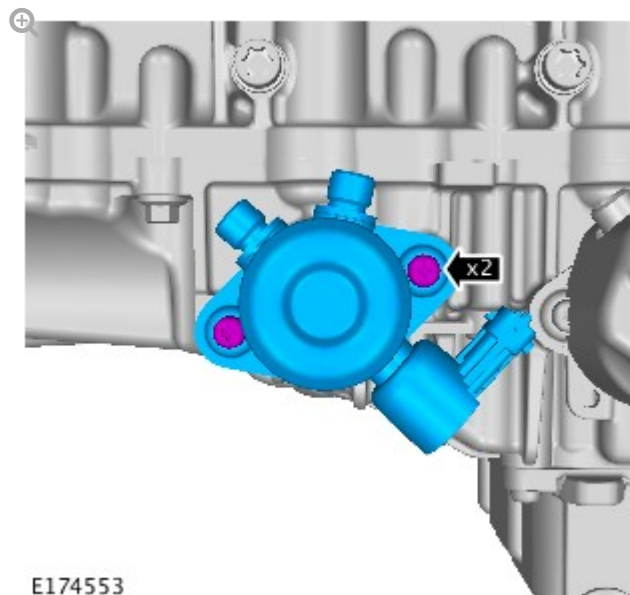
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**CAUTION:**

Be prepared to collect escaping oil.

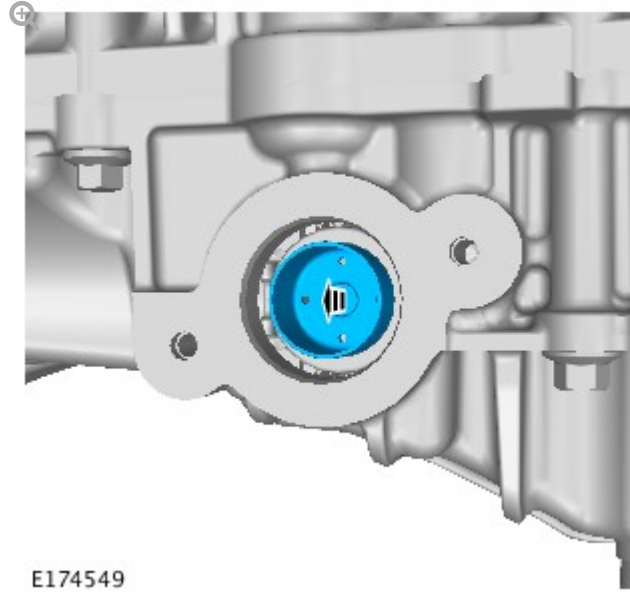
**NOTES:**

- Loosen the fixings a turn each at a time.
- Discard the HP fuel pump bolts.



Remove the HP fuel pump 2.

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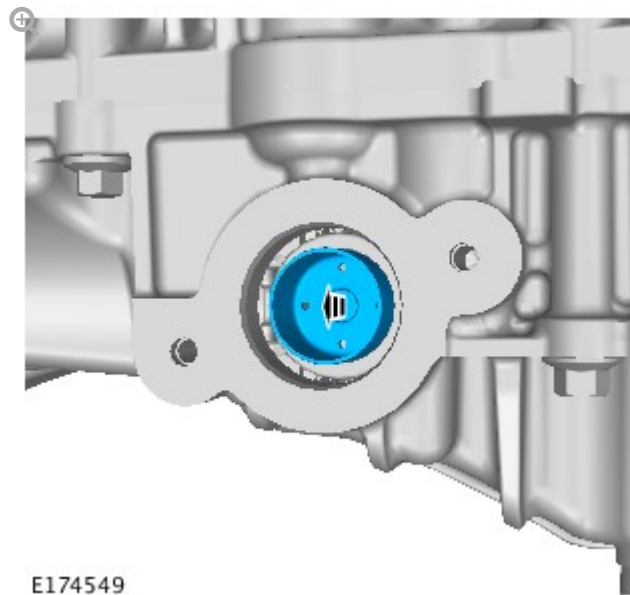


Remove the HP fuel pump 2 fuel pump bucket.

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**NOTE:**

Lubricate the HP fuel pump bucket with clean engine oil.



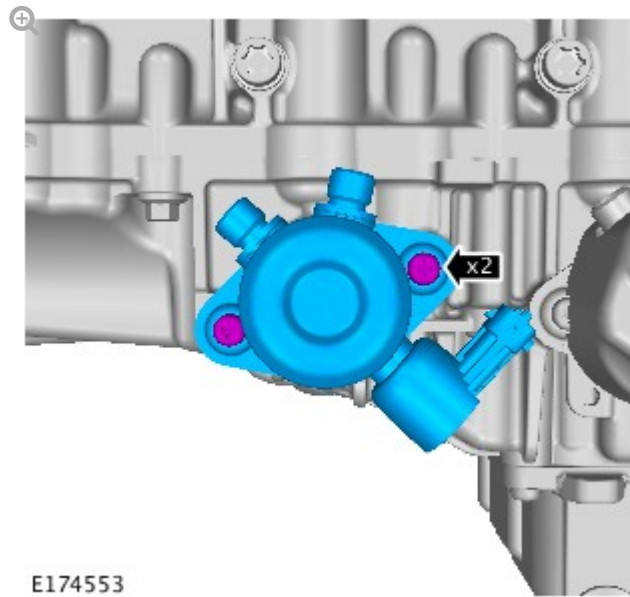
Install the HP fuel pump 2 fuel pump bucket.

**CAUTION:**

Tighten the fixings a turn at a time until the correct torque is achieved.

**NOTES:**

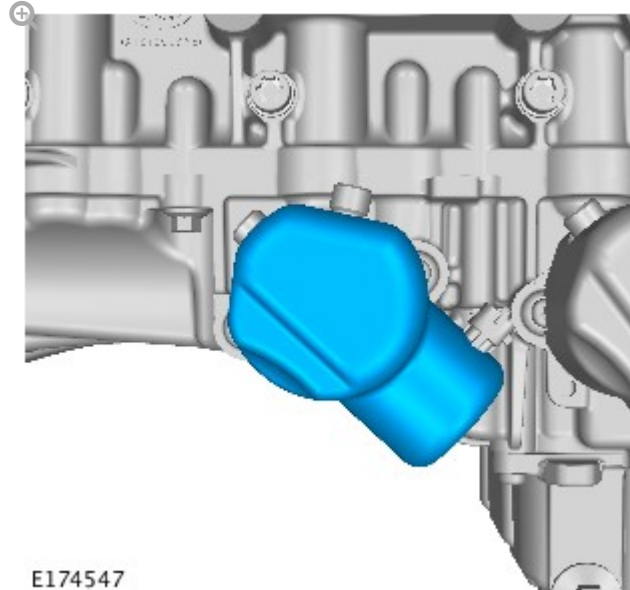
- Lubricate the HP fuel pump O-ring seal with clean engine oil.
- Install the HP fuel pump using the new bolts.



Install the HP fuel pump 2.

- Torque: **11 Nm** .
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Install the cover to the HP fuel pump 2.

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**NOTES:**

- Complete the installation steps.
- Install the HP fuel pump using the new bolts.

Install the HP fuel pump 1 (see TOPIx Workshop Manual section 303-04: Fuel Charging and Controls - High Pressure Fuel Pump 1).

21 Install the starter motor (see TOPIx Workshop Manual section 303-06: Starting system - Starter Motor).

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**NOTE:**

The exhaust clamp must be reused.

Install the right catalytic converter (see TOPIx Workshop Manual section 309-00: Exhaust System - Right Catalytic Converter).

23 Reverse steps 1-8.

24 Release the vehicle.

