

TECHNICAL BULLETIN
K225NAS2
14 JAN 2015



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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: 303-12F

Service Action: Charge Air Radiator Duct Bolt Torque Relaxation

AFFECTED VEHICLE RANGE:

XF (X250)

Model Year: 2013
VIN: S51675-U00808

Engine: GTDi 2.0L Petrol

MARKETS:

USA

CONDITION SUMMARY:

Situation: An issue has been identified on a limited number of 2013 model year Jaguar XF (X250) vehicles, fitted with the 2.0L GTDi engine only, where a 'Restricted Performance' message and the engine Malfunction Indicator Lamp (MIL) are displayed in the Instrument Cluster due to Charge Air Radiator duct bolt torque relaxation.

 **NOTE: this bulletin is reissued with an additional part and updated Service Instruction.**

Action: Retailers are required to **HOLD** only affected vehicles that are within your control and refrain from releasing the vehicles for new or used vehicle sale pending completion of the rework action 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.

PARTS:

 **NOTE: * when ordering parts, order only the expected percentage demand of parts identified**

DESCRIPTION	PART No. / SUNDRY CODE	QTY. / VALUE	EXPECTED % of VEHICLES REQUIRING PARTS*
Bolt	C2D2734	2	100
Bolt/Washer	C2D4727	2	100
Nut	C2P2765	4	100
Washer	C2P23515	2	100

SPECIAL TOOLS:

Refer to Workshop Manual / Service Instruction for any required tools

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 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.

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.

Warranty claims must be submitted quoting Program Code '**K225**' together with the relevant Option Code from the table. The SRO and part information listed have been included for information only. The Option Code(s) that allows for the drive in / drive out allowance may only be claimed if the vehicle is brought 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 **31 July 2016** closure date must be submitted for payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS / SUNDRY CODE	QTY. / VALUE
K225	D	Charge air radiator end tank - Rework Read and clear DTCs	18.91.52	2.70	C2D4727	2
			86.99.78	0.20	C2D2734	2
					C2P2765	4
					C2P23515	2
K225	E	Charge air radiator end tank - Rework Read and clear DTCs Drive in/drive out	18.91.52	2.70	C2D4727	2
			86.99.78	0.20	C2D2734	2
			10.10.10	0.20	C2P2765	4
					C2P23515	2
					-	-

Normal Warranty policies and procedures apply

SERVICE INSTRUCTION:



NOTE: the Charge Air Radiator may also be referred to as Charge Air Cooler.

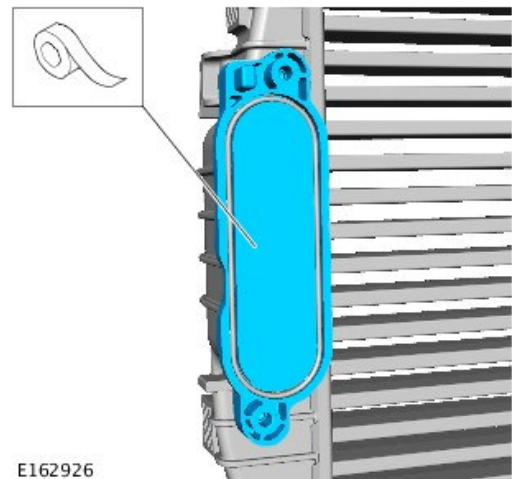


NOTE: drain the coolant into a suitable container; the coolant must be reused to fill the cooling system.

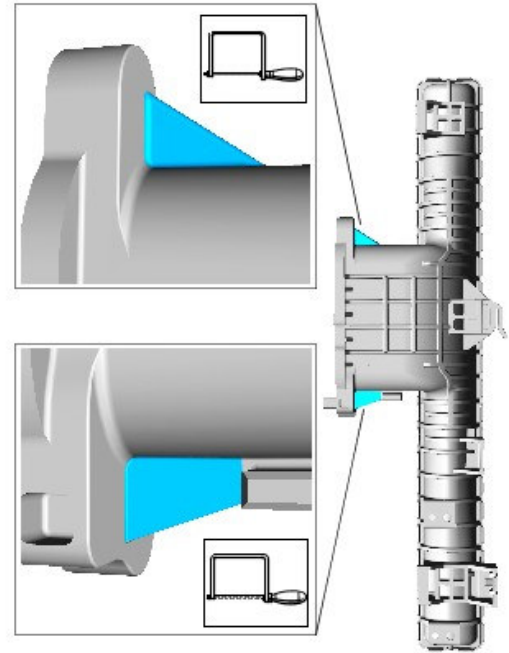
Remove the charge air radiator (see TOPIX Workshop Manual, section 303-12F).

2. Tape over the charge air radiator left-hand end tank opening to prevent any debris from entering the charge air radiator.

- Repeat to the charge air radiator right-hand end tank opening.

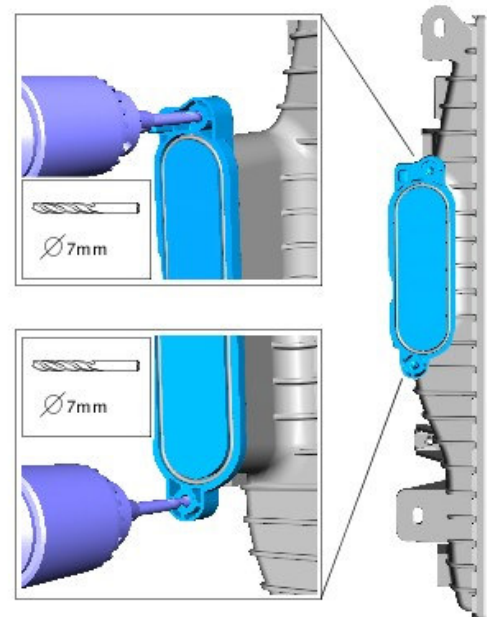


3. Cut out the highlighted sections of the charge air radiator right-hand end tank opening as shown.



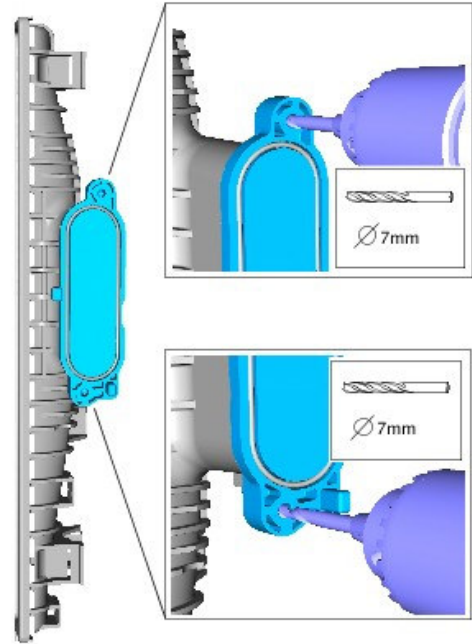
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4. Using a 7mm drill bit, drill to a maximum depth of 15mm to go all the way through the charge air radiator left-hand end tank opening's brass inserts and plastic moulding.



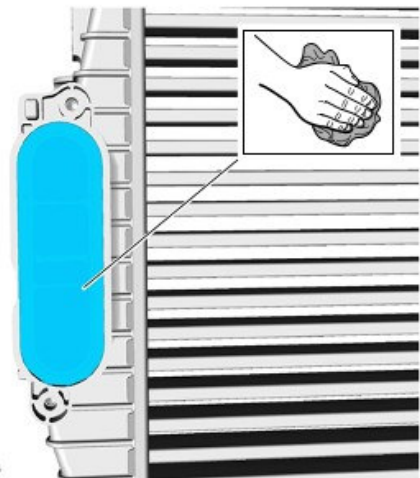
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5. Using a 7mm drill bit, drill to a maximum depth of 15mm to go all the way through the charge air radiator right-hand end tank opening's brass inserts and plastic moulding.




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6. Clean away all debris before removing the protective tape from the charge air radiator left-hand end tank opening.



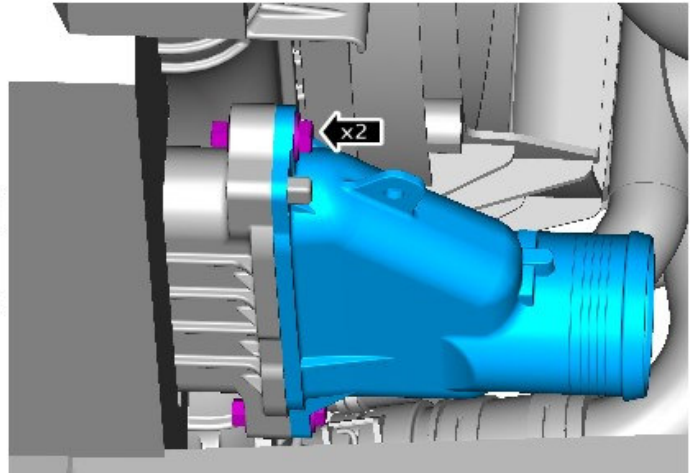
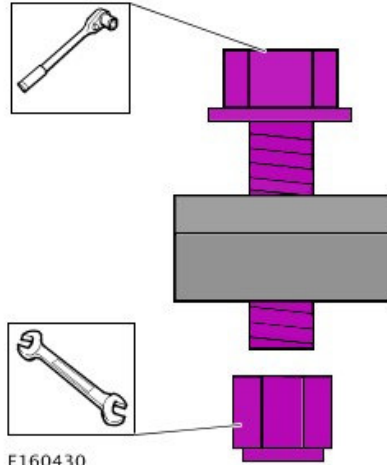
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7.  **NOTE:** make sure the rubber sealing gasket between the duct and the charge air radiator is correctly positioned.


Assemble the

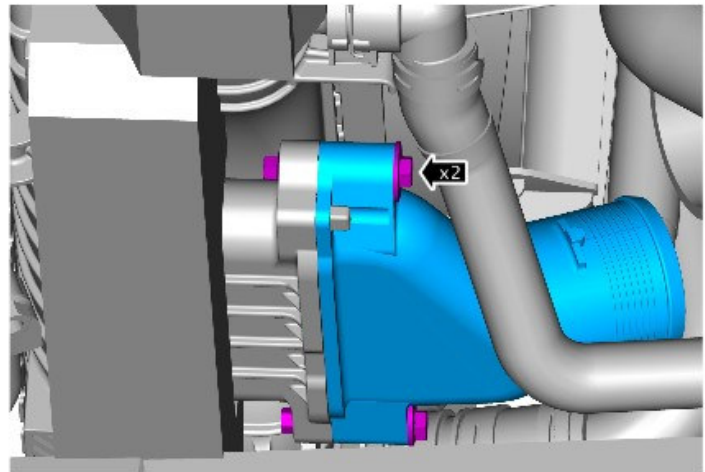
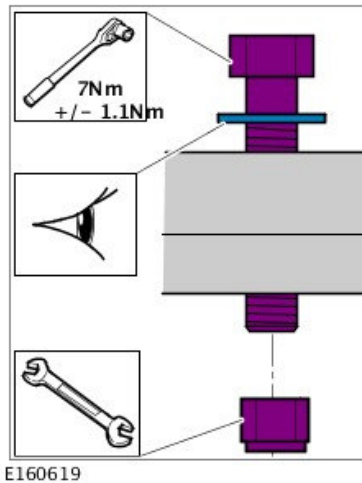
duct to the charge air radiator left-hand end tank opening:

- Use the 2 bolts (C2D4727) and the 2 lock nuts (C2P2765) and a suitable 10mm spanner to hold the lock nut
- Torque: $7\text{Nm} \pm 1.1\text{Nm}$.



8.  **NOTE:** make sure the rubber sealing gasket between the duct and the charge air radiator is correctly positioned.

-  **NOTE:** make sure the washer is next to the bolt head to prevent any damage to the plastic charge air radiator end tank during the tightening process.



Assemble the duct to the charge air radiator right-hand end tank opening:

- Use the 2 bolts (C2D2734), 2 washers (C2P23515), and 2 lock nuts (C2P2765) and a suitable 10mm spanner to hold the lock nut.
- Torque: $7\text{Nm} \pm 1.1\text{Nm}$.

9.  **NOTE: the drained coolant must be re-used to fill the cooling system.**

Install the charge air radiator (see Workshop Manual, section 303-12F).

10. Use Jaguar Land Rover-approved diagnostic equipment and read and clear all Diagnostic Trouble Codes (DTC).