

TECHNICAL BULLETIN
JTB00518NAS2
14 NOV 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.

This reissue replaces all previous versions. Please destroy all previous versions.

Changes are highlighted in gray

SECTION: 303-03

Engine Coolant Expansion Tank Leak

AFFECTED VEHICLE RANGE:

XE (X760)

Model Year: 2017
VIN: 921222-970403
Assembly Plant: Solihull

F-PACE (X761)

Model Year: 2017
VIN: 100002-093015
Assembly Plant: Solihull

XF (X260)

Model Year: 2016-2017
VIN: Y00001-Y43893
Assembly Plant: Castle Bromwich

XE (X760)

Model Year: 2017
VIN: P00001-P05263
Assembly Plant: Castle Bromwich

MARKETS:

NAS

CONDITION SUMMARY:

Situation: An engine coolant leak may be evident from the engine coolant expansion tank filler neck. This may be accompanied by steam from under the hood and/or an engine overheat message displayed on the Instrument Cluster.

Cause: This may be caused by a distorted engine coolant expansion tank filler neck.

Action: Should a Customer express concern, follow the Service Instruction below.

PARTS:


T2H4044	Engine coolant expansion tank	1
C2P17700	Coolant Pressure Cap (140kPa)	1
C2P20325	Coolant Pressure Cap (200kPa)	1
JLM209722	Engine Coolant	1

TOOLS:

Refer to Workshop Manual for any required special tools.

WARRANTY:


 **NOTE:** 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 TOPIx to obtain the latest repair time.

 **NOTE:** DDW 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
Engine coolant expansion tank - Check	26.15.05	0.1	13	T2H4044
Expansion tank - Renew	26.15.01	0.2	13	T2H4044

 **NOTE:** Normal Warranty procedures apply.

SERVICE INSTRUCTION:

 **WARNING:** Cover the engine coolant expansion tank pressure cap with a thick cloth to prevent the possibility of scalding. Release the cooling system pressure by slowly turning the engine coolant expansion tank cap a quarter of a turn. Failure to follow this instruction may result in personal injury.

 **CAUTION:** The engine cooling system must be maintained with the correct concentration and type of anti-freeze solution to prevent corrosion and frost damage. Failure to follow this instruction may result in damage to the engine.

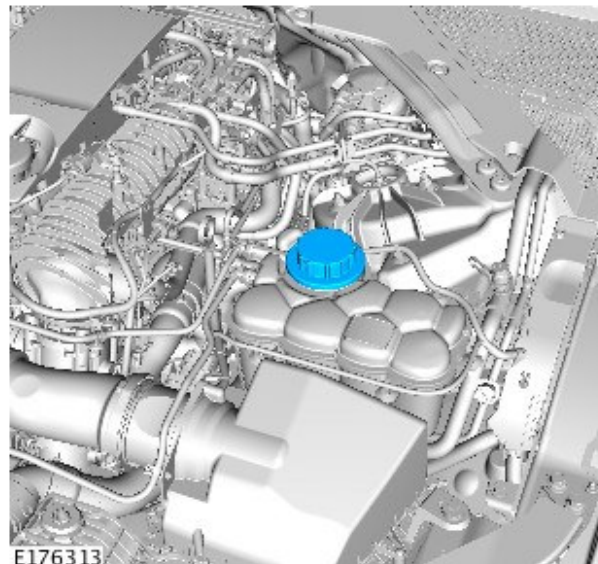
 **CAUTION:** Engine coolant will damage the paint finished surfaces. If spilt, immediately remove the coolant and clean the area with water.

 **CAUTION:** Never remove the engine coolant expansion tank cap under any circumstances while the engine is operating. Failure to follow this instruction may result in damage to the engine.

 **CAUTION:** Since injury such as scalding could be caused by escaping steam or coolant, make sure the vehicle cooling system is cool prior to carrying out this procedure.

 **CAUTION:** Be prepared to collect escaping coolant.

1. Remove the engine coolant expansion tank pressure cap.



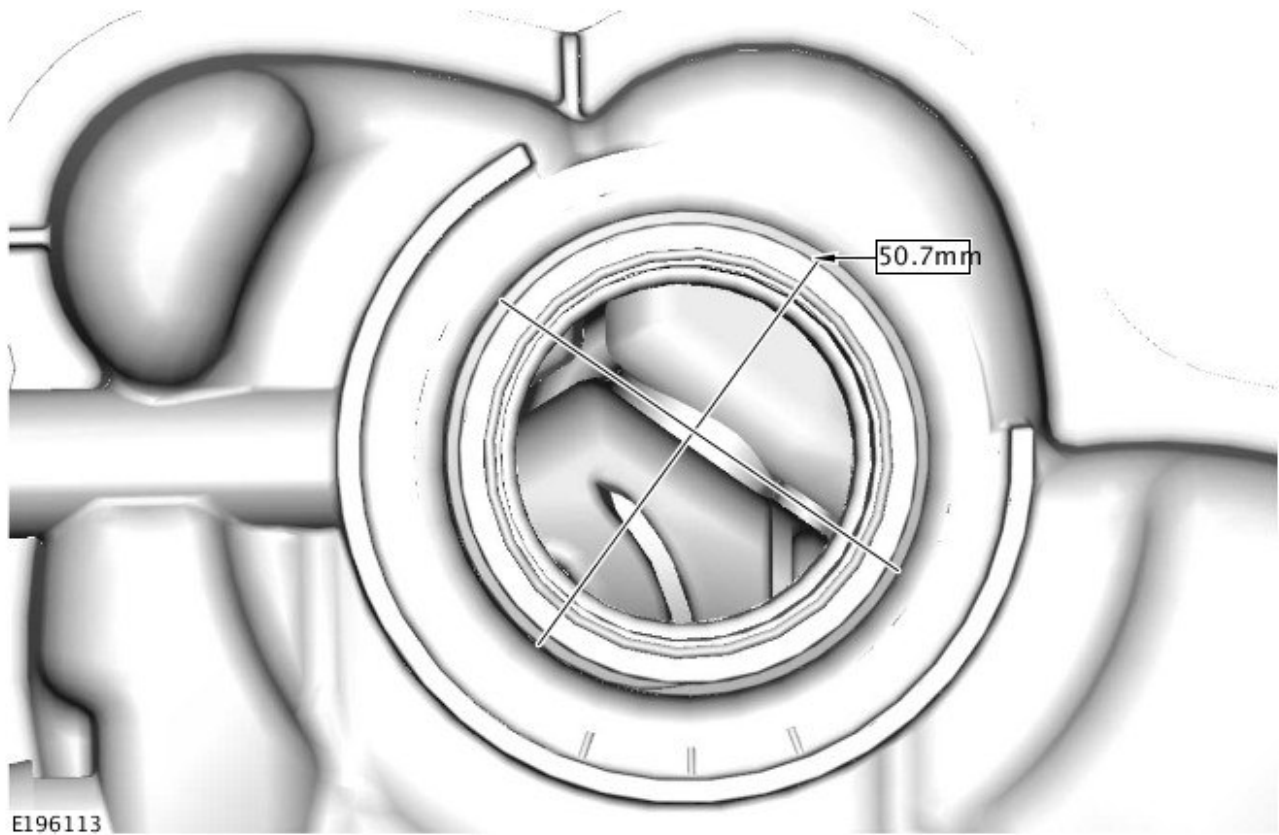
2. Set a vernier caliper to 50.70mm.



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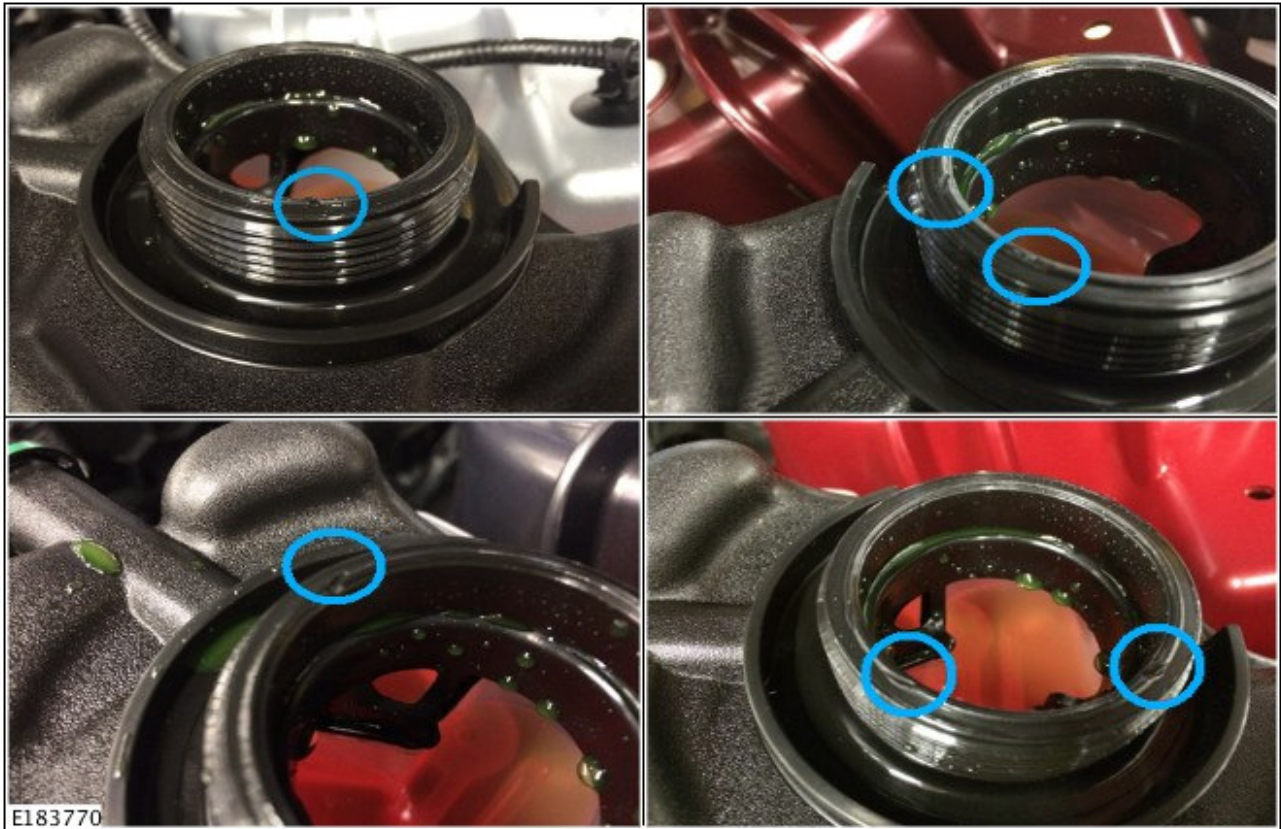
3. Check the dimensions of the engine coolant expansion tank threaded neck in the two positions shown.

- If the dimensions across the centerline neck are less than 50.70mm, go to Step 5.
- If the dimensions across the centerline of the neck are 50.70mm or greater, go to Step 4.



4. Visually inspect the sealing bead on the engine coolant expansion tank neck to check for damage.

- If the sealing bead is damaged, go to Step 5.
- If no damage is found:
 - Install a new engine coolant expansion tank pressure cap.
 - Top up the engine coolant to the MAX level mark.
 - Run the engine up to normal operating temperature, allowing the electric cooling fan to operate at least once without problem before releasing the vehicle.
 - Switch the engine OFF.



5. Install a new engine coolant expansion tank and a new coolant pressure cap (see TOPIx Workshop Manual section 303-03: Engine Cooling - Engine Coolant Expansion Tank).
6. Run the engine up to normal operating temperature, allowing the electric cooling fan to operate at least once without problem before releasing the vehicle.
7. If engine coolant loss continues and/or an engine overheat message is displayed on the Instrument Cluster following completion of this Technical Bulletin, further diagnosis and repair will be necessary (see TOPIx Workshop Manual section 303-03: Engine Cooling - Cooling System Draining, Filling and Bleeding). To be performed as a separate claim.