

LTB01049NAS1

# TECHNICAL BULLETIN

04 APR 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 Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

INFORMATION

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**SECTION:**

303-03 - Engine Cooling

**SUBJECT/CONCERN:**

'Coolant Level Low' Warning Message Displayed On The Instrument Cluster

**AFFECTED VEHICLE RANGE:**

<b>MODEL:</b>	<b>MODEL YEAR:</b>	<b>VIN:</b>	<b>ASSEMBLY PLANT:</b>	<b>APPLICABILITY:</b>
Range Rover Sport (LW)	2016-2017	107514-139381	Solihull	TDV6 3.0L Diesel - Gen 2/V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover Sport (LW)	2016-2017	661919-673622	Solihull	TDV6 3.0L Diesel - Gen 2/V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover (LG)	2016-2017	306498-335719	Solihull	TDV6 3.0L Diesel - Gen 2/V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol

**MARKETS:**

NORTH AMERICA

**CONDITION SUMMARY:****SITUATION:**

A 'Coolant Level Low' warning message may be displayed on the Instrument Cluster (IC). Upon further inspection, the coolant level in the

coolant expansion tank is at the correct level (between the MIN and MAX indicator marks).

**CAUSE:**

This may be due to the left-side of the coolant expansion tank moulding not being correctly aligned to the float holding stem on the right-side of the moulding, causing the internal float stop feature to not be in the correct position within the coolant expansion tank.

**ACTION:**

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

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**PARTS:**

**NOTE:**

**\*An allowance (\$6.25 USD) has been allocated to cover the minimal engine coolant loss during the replacement procedure; claim using code 'ZZZ001'.**

PART NUMBER	DESCRIPTION	QUANTITY:
LR034654	Coolant expansion tank	1
ZZZ001	*Engine Coolant	1

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**WARRANTY:**

**NOTE:**

**\*An allowance (\$6.25 USD) has been allocated to cover the minimal engine coolant loss during the replacement procedure; claim using code 'ZZZ001'.**

#### NOTES:

- 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.
- 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
Coolant expansion tank - Renew	26.15.01	0.3	42	LR034654

#### NOTE:

Normal Warranty procedures apply.

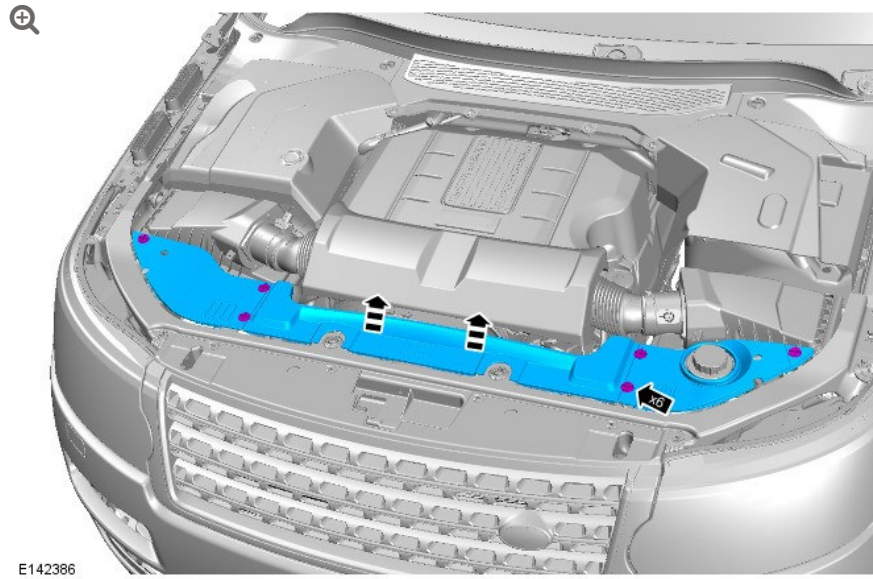
#### SERVICE INSTRUCTION:

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#### WARNING:

**To avoid personal injury, make sure the vehicle cooling system is cool prior to carrying out this procedure.**

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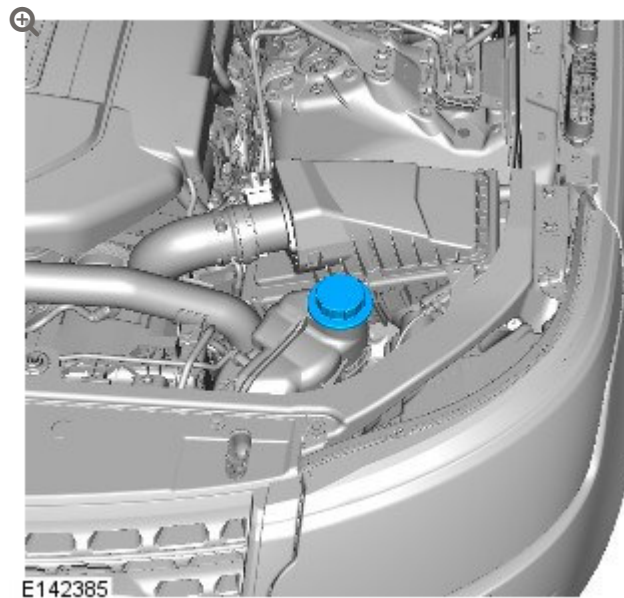


Open the hood and remove the trim panel.

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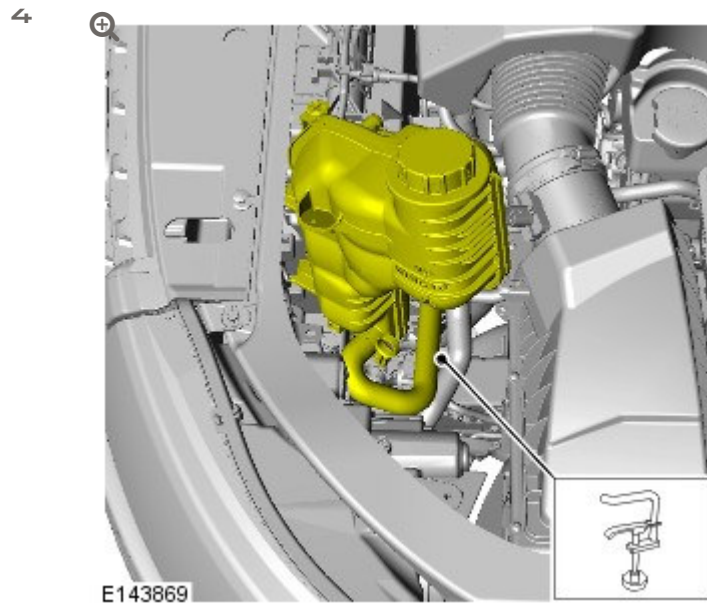
**WARNING:**

**Cover the coolant expansion tank cap with a thick cloth when releasing the cooling system pressure.**



Slowly remove the coolant expansion tank cap from the coolant expansion tank to release the pressure.

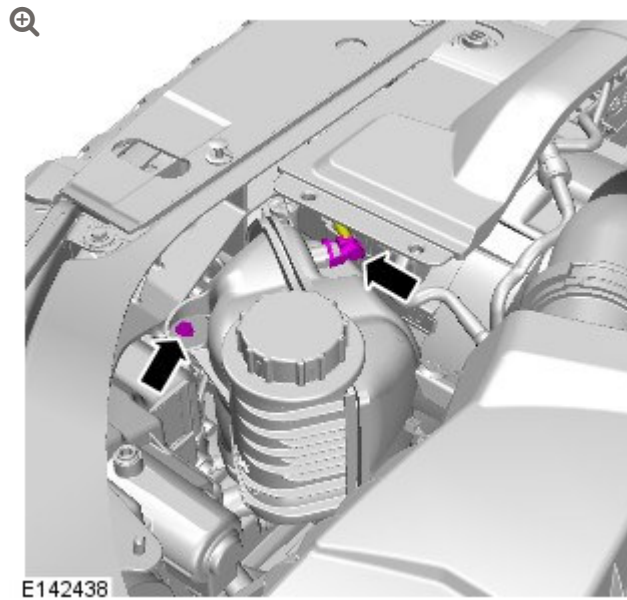
- 3 Using a syringe, remove the cooling fluid from the expansion tank.



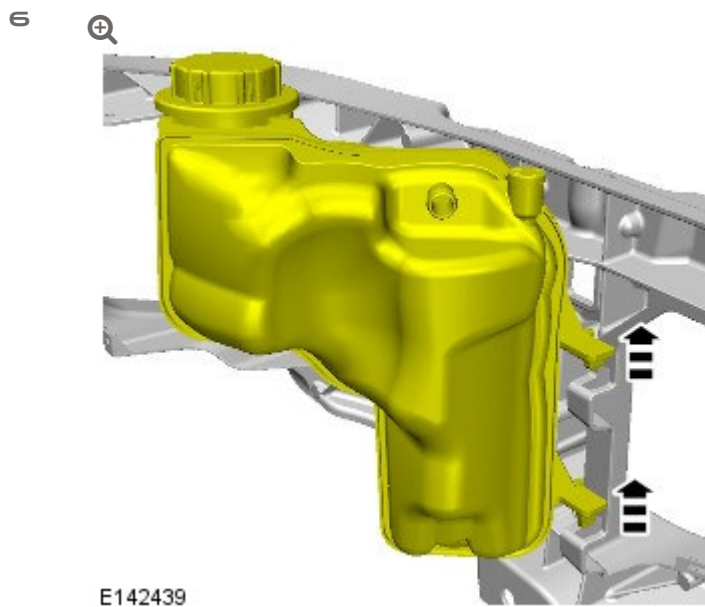
Clamp the hoses to minimize coolant loss.

- 5 **CAUTION:**

**Be prepared to collect escaping coolant.**



Remove the pipe and fastener from the coolant expansion tank.

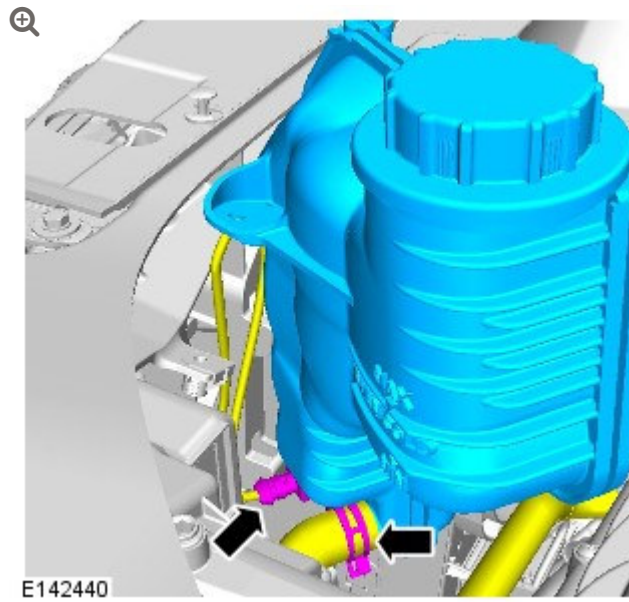


Lift the coolant expansion tank off its mountings to allow access to the lower hose and electrical connections.

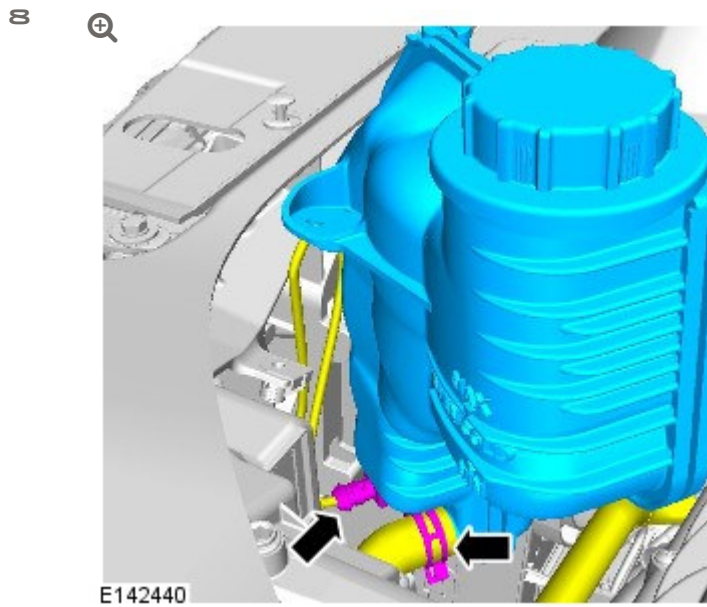
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**CAUTION:**

**Be prepared to collect escaping coolant.**



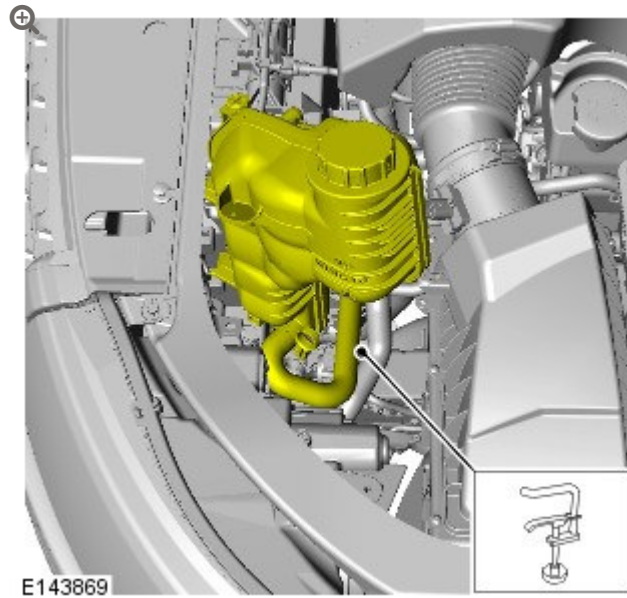
Remove the coolant expansion tank.



Connect the coolant hose and level sensor wiring harness to the new coolant expansion tank.

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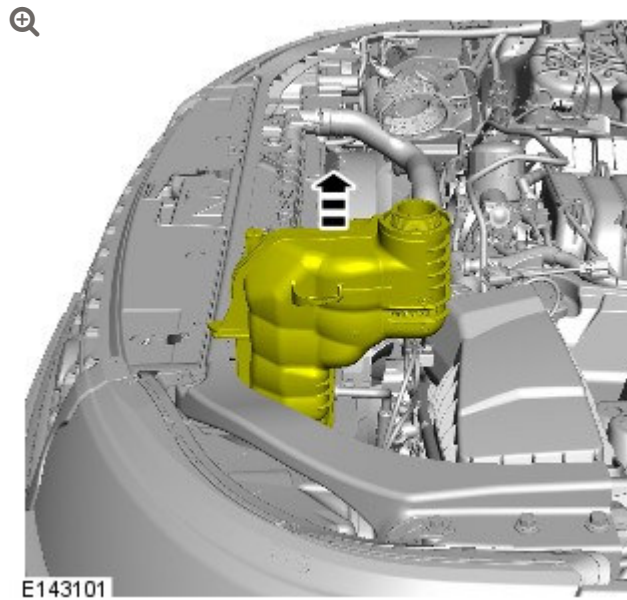
Remove the hose clamp.

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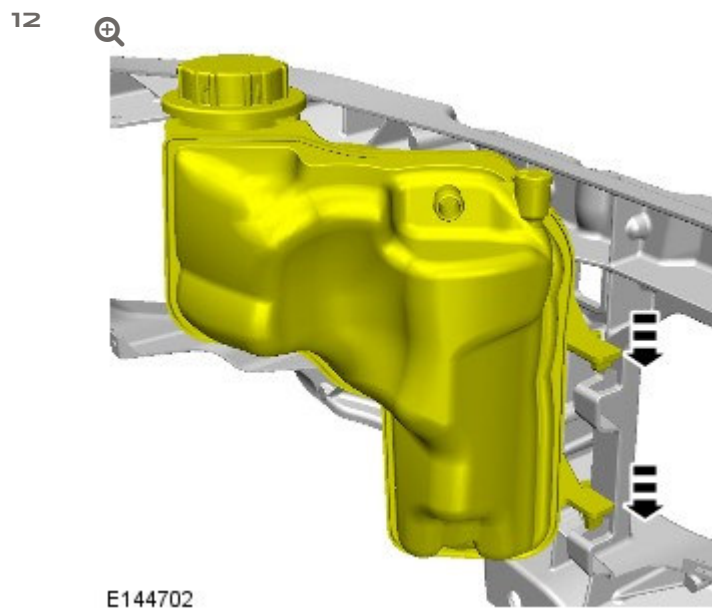
**NOTES:**

- **Keep the coolant expansion tank vertical.**
- **Make sure the coolant expansion tank cap is removed.**



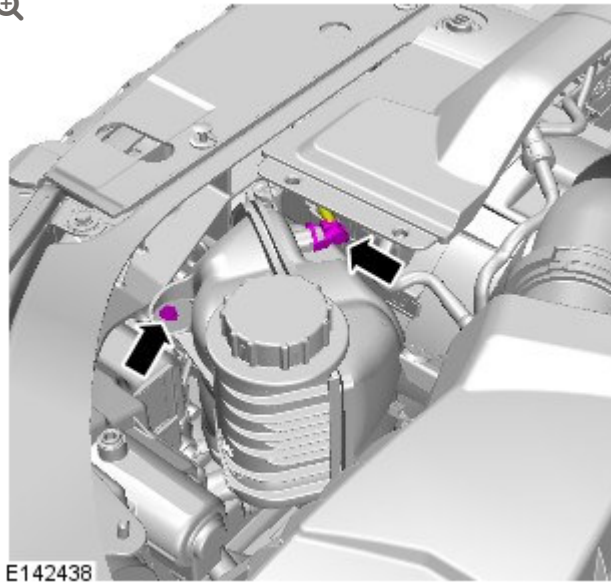
Raise the coolant expansion tank a minimum of 110 mm / 4" from its installed position.

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- 11 Top up the cooling system, making sure the coolant level is above the 'cold fill range' lower level mark.
- Install the coolant expansion tank cap.
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Install the coolant expansion tank onto the mounting points.

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Install the hose and fastener.

- Torque: **2.8 Nm.**

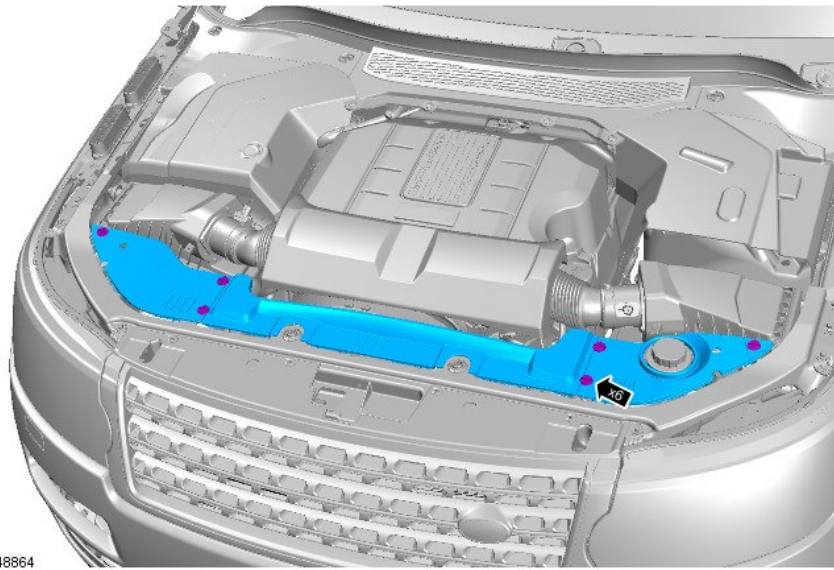
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**CAUTION:**

**Make sure the coolant expansion tank cap is correctly installed.**

Check and top up the cooling system as required, making sure it remains above the 'cold fill range' lower level mark.

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Install the trim panel and close the hood.