

TECHNICAL BULLETIN
P054NAS1
13 MAR 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 Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

SECTION: 206-03

Safety Recall: Front Brake Hose Durability

AFFECTED VEHICLE RANGE:

Range Rover (LM)

Model Year: 2006-2012

VIN: LM198146-LM393639

MARKETS:

NAS

CONDITION SUMMARY:

Situation: A potential issue has been identified with the brake hoses installed on 2006-2012 model year Range Rover (L322) vehicles. A loss of brake fluid as a result of rupturing of one or both of the front brake hoses may occur, resulting in the loss of the front brake circuit. The vehicle braking system is a dual circuit system: one system operates the front braking circuit and the other system operates the rear braking circuit. Loss of one of the hydraulic service braking system circuits could compromise vehicle braking and significantly increase the risk of a crash.



NOTE: replacement front brake hoses are currently being obtained in sufficient volume necessary to replace both front brake hoses on all affected vehicles. However, due to the lead time needed to produce the necessary quantities of parts, as an interim action, Land Rover is offering all owners of affected vehicles a complimentary inspection of the front brake hoses. If during this inspection a damaged hose is found, both front brake hoses must be replaced.

Action: Retailers are required to **HOLD** only affected new vehicles that are within your control and refrain from releasing these vehicles for **new vehicle sale** pending completion of the 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. Vehicles that do not pass the inspection detailed in this bulletin will require the front brake hoses to be replaced before returning the vehicle to the customer. That action will close this recall on these vehicles. Vehicles that pass inspection may be released to customers but will require a later repair to complete the required recall replacement of the brake hoses once sufficient parts are available.

Affected vehicles will have the front brake hoses replaced.

PARTS:



NOTE: at this time, do not replace brake hoses unless damage is found.

DESCRIPTION	PART No./SUNDRY CODE	QTY./VALUE
Brake hose - Front	LR048085	2
Brake fluid	ZZZ001	**\$6.45

** - an allowance equivalent approximately \$6.45 (£4.00) has been provided to cover the cost of brake fluid.

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.



NOTE: at this time, do not replace brake hoses unless damage is found.

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.

Warranty claims must be submitted quoting Program Code '**P054**' 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.

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.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
P054	A	Inspect front brake hoses for signs of damage	05.10.10	0.10	-	-
P054	K	Inspect front brake hoses for signs of damage Drive in/drive out	05.10.10 02.02.02	0.10 0.20	- -	- -
P054	B	Inspect front brake hoses for signs of damage Hoses - Front - Set - Renew	05.10.10 70.15.10	0.10 0.70	- LR048085 ZZZ001	- 2 **\$6.45
P054	C	Inspect front brake hoses for signs of damage Hoses - Front - Set - Renew Drive in/drive out	05.10.10 70.15.10 02.02.02	0.10 0.70 0.20	- LR048085 ZZZ001 -	- 2 **\$6.45 -

** - an allowance equivalent approximately US\$6.45 (£4.00) has been provided to cover the cost of brake fluid.

Normal Warranty policies and procedures apply

SERVICE INSTRUCTION

1. Raise the vehicle (see TOPIx Workshop Manual, section 100-02).




2. **NOTE: if one or both of the front brake hoses are damaged, leaking, bulging, rupturing and / or blistering, they must be changed in pairs.**

Inspect the front brake hoses for signs of damage, leaking, bulging, rupturing and / or blistering.

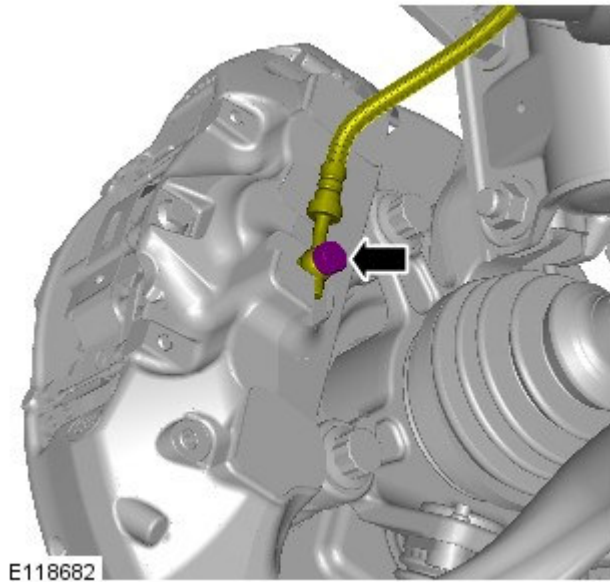
- If BOTH front brake hoses are not damaged, leaking, bulging, rupturing and / or blistering, lower and release the vehicle.
- If one or both of the front brake hoses are damaged, leaking, bulging, rupturing and / or blistering, continue to the next step.

3. Remove the front wheel and tire assemblies (see TOPIx Workshop Manual, section 204-04).

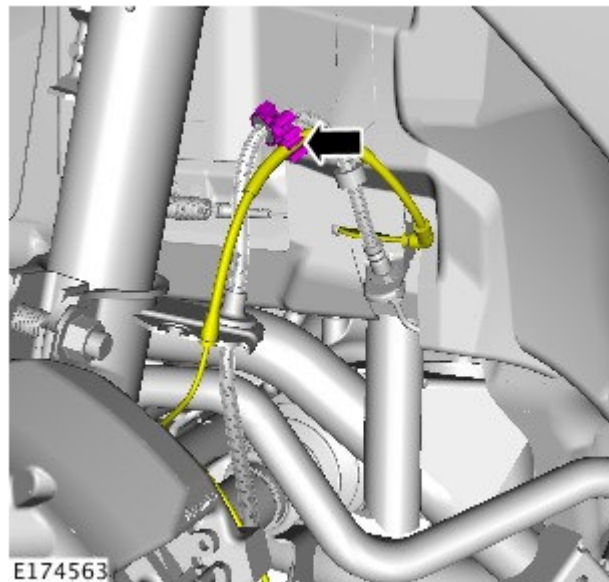
4.  **WARNING: be prepared to collect escaping fluid.**

 **CAUTION: before disconnecting or removing components, make sure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.**


Disconnect the brake hose from the brake caliper.



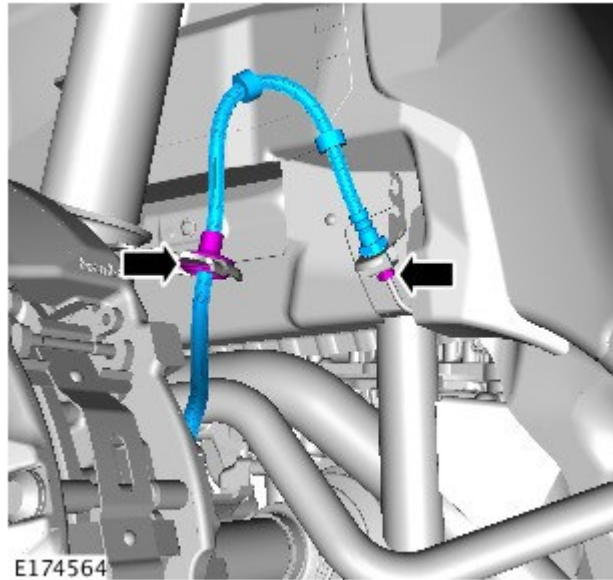
5. Release the brake hose from the fixing.



6.  **WARNING:** be prepared to collect escaping fluid.

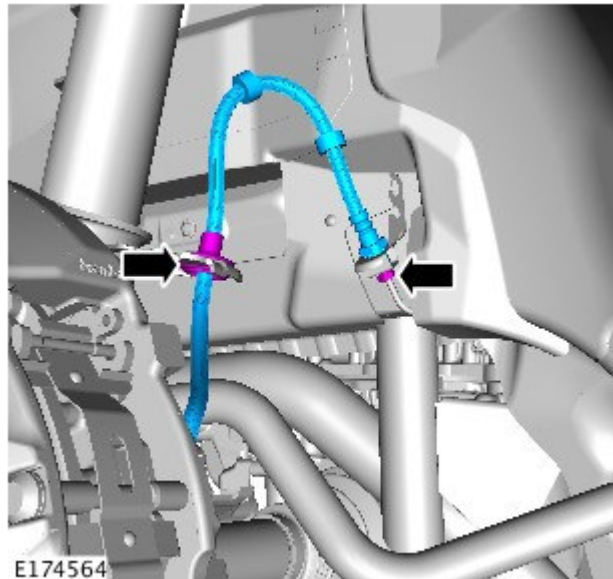
 **CAUTION:** before disconnecting or removing components, make sure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

Release the brake hose from the fixing and disconnect the brake hose from the brake pipe.

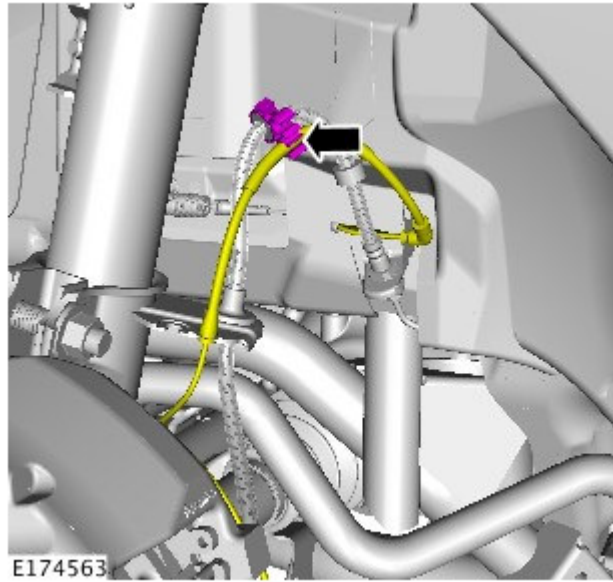


7. Install the new brake hose to the brake pipe and the fixing.

- Torque: 16 Nm.



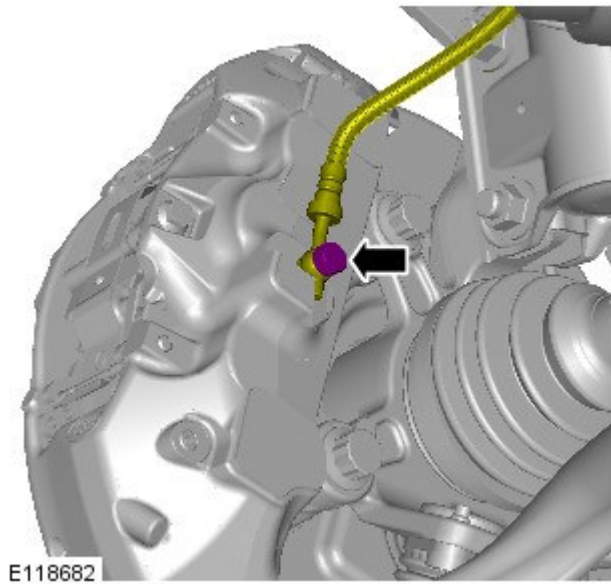
8. Install the brake hose from the fixing.



9.  **CAUTION: new sealing washers must be installed.**

Connect the brake hose to the brake caliper.

- Torque: 32 Nm.



10. Repeat steps 3-9 to the opposite side of the vehicle.

11. Bleed the front brakes (see TOPIx Workshop Manual, section 206-00).

12. Install the front wheel and tire assemblies (see TOPIx Workshop Manual, section 204-04).

13. Lower the vehicle (see TOPIx Workshop Manual, section 100-02).