

TECHNICAL BULLETIN

P052NAS4

24 SEP 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.

Changes are highlighted in gray

SECTION: 206-07

Safety Recall: Vacuum Hose Incorrectly Routed

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW) Model Year: 2014 VIN: 000002-001205 Manufacturing Plant: Solihull	Engine: V6 S/C 3.0L Petrol V8 S/C 5.0L Petrol
Range Rover Sport (LW) Model Year: 2014 VIN: 300003-343373 Manufacturing Plant: Solihull	Engine: V6 S/C 3.0L Petrol V8 S/C 5.0L Petrol
Range Rover Sport (LW) Model Year: 2014-2015 VIN: 600007-617728 Manufacturing Plant: Solihull	Engine: V6 S/C 3.0L Petrol V8 S/C 5.0L Petrol
Range Rover (LG) Model Year: 2013 VIN: 000002-001232 Manufacturing Plant: Solihull	Engine: V8 5.0L Petrol V8 S/C 5.0L Petrol
Range Rover (LG) Model Year: 2013-2014 VIN: 100000-154799 Manufacturing Plant: Solihull	Engine: V6 S/C 3.0L Petrol V8 5.0L Petrol V8 S/C 5.0L Petrol

MARKETS:

NAS

CONDITION SUMMARY:

Situation: A potential issue has been identified, on certain 2014-2015 model year Range Rover Sport (L494) and 2013 and certain 2014 model year Range Rover (L405) vehicles, with the vehicle assembly process where the installation instructions for the Brake Vacuum Hose did not correctly specify its routing.

Incorrect routing of the brake vacuum hose can lead to a chafing condition, eventual rupture of the hose, and complete loss of vacuum assistance in the braking system. This condition will result in hard feel to the brake pedal.



NOTE: a number of 2013-2014 model year vehicles have a smaller diameter vacuum pipe system installed. The repair for these vehicles with a damaged hose will be different to other affected vehicles.

Action: Retailers are required to **HOLD** only affected new vehicles that are within your control and refrain from releasing the vehicles for new 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 have this recall performed at the next available opportunity.

PARTS:



NOTE: * parts should only be ordered after confirming damage to a vehicle's existing vacuum hose. The expected percentage of vehicles requiring parts is listed below.

BB = big bore

DESCRIPTION	PART No. / SUNDRY CODE	QTY. / VALUE	EXPECTED % of VEHICLES REQUIRING PARTS*
Vacuum hose	LR048194	1	1
Vacuum pipe (LHD BB)	LR048198	1	1 (only if changing from 'small bore' to 'big bore' piping)
Vacuum pipe (BB)	LR048193	1	1 (only if changing from 'small bore' to 'big bore' piping)
Clip (LHD BB)	LR049401	1	1 (only if changing from 'small bore' to 'big bore' piping)
Clip (LHD BB)	LR049402	3	1 (only if changing from 'small bore' to 'big bore' piping)
Clip (LHD BB)	LR049404	1	1 (only if changing from 'small bore' to 'big bore' piping)

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.

Warranty claims must be submitted quoting Program Code '**P052**' 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	DERIVATIVE	DESCRIPTION	SRO	TIME (HOURS)	PARTS / SUNDRY CODE	QTY. / VALUE
P052	B	All	Remove/install air cleaner - RH; inspect vacuum pipe; no further action	19.10.04	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8	-	-
P052	C	All	Remove/install air cleaner - RH; inspect vacuum pipe; no further action Drive in/drive out	19.10.04 02.02.02	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.20	- -	- -
P052	F	All 2013-2014MY fitted with 'small bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum	19.10.04 76.10.50 05.10.10	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10	- - -	- - -
P052	G	All 2013-2014MY fitted with 'small bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum Drive in/drive out	19.10.04 76.10.50 05.10.10 02.02.02	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.20	- - -	- - -
P052	K	All 2014-2015MY fitted with 'big bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum	19.10.04 76.10.50 05.10.10	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10	- - -	- - -
		All 2014-2015MY fitted with 'big bore' vacuum pipe	Remove/install air cleaner - RH	19.10.04	0.20 - 3.0L SC V6 / 5.0L	-	-

P052	L		Remove/install undershield Re-route original or new pipe from pump to vacuum Drive in/drive out	76.10.50 05.10.10 02.02.02	SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.20	- - - - - -	- - -
P052	P	All 2013-2014MY fitted with 'small bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum Install new vacuum pipes	19.10.04 76.10.50 05.10.10 05.10.40	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.40	- - - LR048194 LR048198 LR048193 LR049401 LR049402 LR049404	- - - 1 1 1 1 3 1
P052	R	All 2013-2014MY fitted with 'small bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum Install new vacuum pipes Drive in/drive out	19.10.04 76.10.50 05.10.10 05.10.40 02.02.02	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.40 0.20	- - - LR048194 LR048198 LR048193 LR049401 LR049402 LR049404 -	- - - 1 1 1 1 3 1 -
P052	V	All 2014-2015MY fitted with 'big bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum Install new vacuum pipes	19.10.04 76.10.50 05.10.10 05.10.40	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.40	- - - LR048194	- - - 1
P052	W	All 2014-2015MY fitted with 'big bore' vacuum pipe	Remove/install air cleaner - RH Remove/install undershield Re-route original or new pipe from pump to vacuum Install new vacuum pipes Drive in/drive out	19.10.04 76.10.50 05.10.10 05.10.40 02.02.02	0.20 - 3.0L SC V6 / 5.0L SC V8 0.30 - 5.0L NA V8 0.30 0.10 0.40 0.20	- - - LR048194	- - - 1 -

Normal Warranty policies and procedures apply

SERVICE INSTRUCTION:

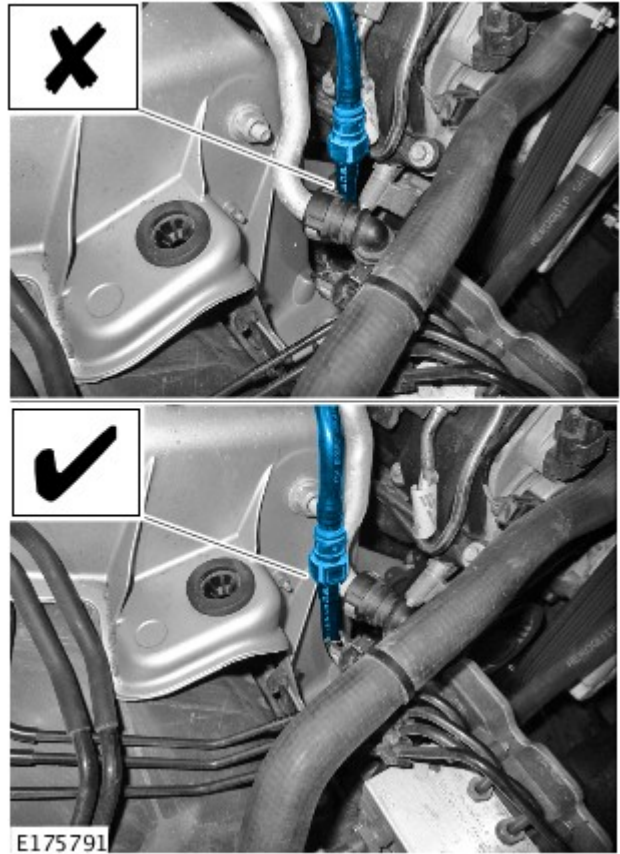


NOTE: a number of Range Rover vehicles from early in the VIN range have a smaller diameter vacuum pipe system installed (9mm outside diameter pipe). Where the inspection confirms that a smaller diameter pipe has been damaged, then the repair for vehicles with this smaller pipe requires the replacement of all of the hoses in the hose system, not just that found to be damaged. If no damage has occurred then the smaller diameter hoses will only need to be re-routed as directed in the procedure.

1 Remove the right-hand (RH) air cleaner (see TOPIX Workshop Manual, section 303-12).

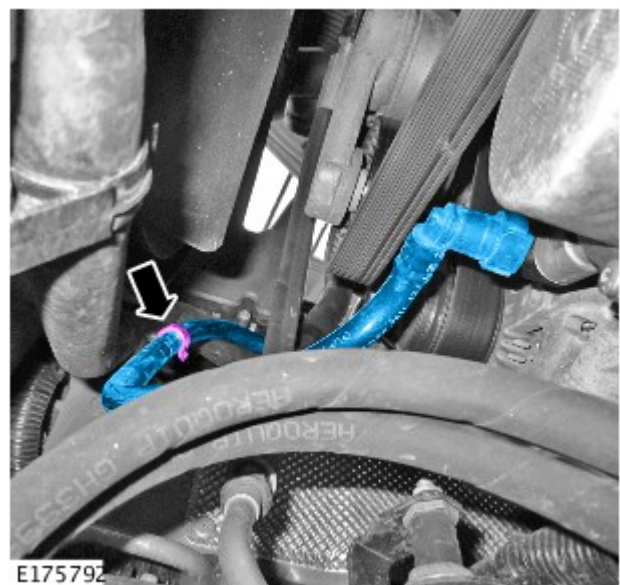
2 Check to see if the vacuum pipe is correctly routed.

- If the vacuum pipe is correctly routed (), install the air cleaner and release the vehicle.
- If the vacuum pipe is not correctly routed (), disconnect the vacuum pipe connection and continue to Step 3.



3 Remove the undershield (see TOPIx Workshop Manual, section 501-02).

4 Release the clip, disconnect the vacuum pipe connection, and remove the vacuum pipe from the vehicle.

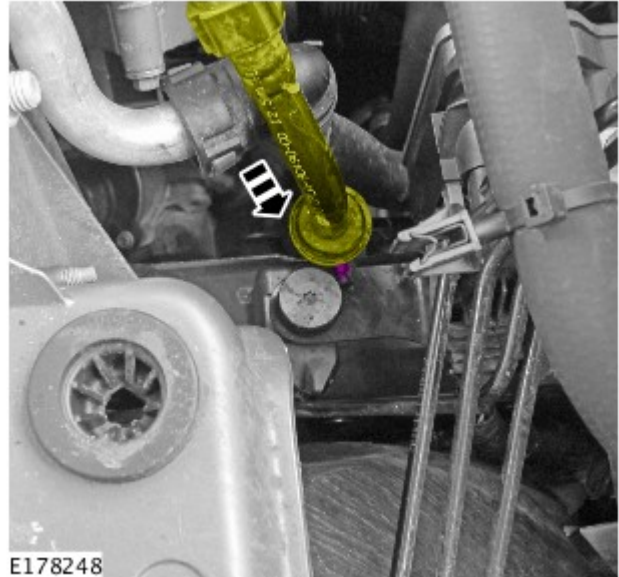


5 Inspect the vacuum pipe for any wear and/or damage.

- If no wear and/or damage is evident, install the vacuum pipe.
 - Reverse the removal procedure, making sure the vacuum pipe is routed correctly.

- If any wear and/or damage is evident, install a **NEW** vacuum pipe.
 - If the new vacuum pipe has a bigger bore than the one removed, continue to Step 7.
 - Reverse the removal procedure, making sure the vacuum pipe is routed correctly.

6 Install the vacuum pipe into the new clip.



7 Remove the cowl panel grille (see TOPIx Workshop Manual, section 501-02).

8 Install the vacuum pipe that connects the brake booster to the vacuum pump.

9 Install the cowl panel grille (see TOPIx Workshop Manual, section 501-02).

10 Install the undershield (see TOPIx Workshop Manual, section 501-02).

11 Install the right-hand (RH) air cleaner (see TOPIx Workshop Manual, section 303-12).