

TECHNICAL BULLETIN

LTB00702NAS1

19 DEC 2014



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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

'Squeal' Noise From Front Brakes During Light Braking - High Performance Brakes Only

AFFECTED VEHICLE RANGE:

Range Rover (LM)

Model Year: 2010-2012
VIN: AA306630-CA393639

Engine: V8 S/C 5.0L Petrol
With: High Performance Brakes

Range Rover Sport (LS)

Model Year: 2010-2013
VIN: AA215623-DA814822

Engine: V8 S/C 5.0L Petrol
With: High Performance Brakes

MARKETS:

NAS

CONDITION SUMMARY:

Situation: On vehicles fitted with the High Performance brake system only, a 'squeal' noise from the front brakes may be evident during low-speed, light-to-moderate braking, until the vehicle comes to a stop. This issue affects some standard replacement brake pads on vehicles with High Performance brakes.

Cause: This may be caused by front brake pad resonance.

Action: Should a customer express this concern, follow the Service Instruction outlined below.

PARTS:



NOTE: Part number LR039526 should only be fitted to vehicles where a customer has reported the concern as described above and not as a standard service replacement.

| | | |
|-----------|--|-------------|
| LR039526 | Brake pad set | Quantity: 1 |
| LR019401 | Brake pad wear sensor - Range Rover Sport (L320) | Quantity: 1 |
| LR012824 | Brake pad wear sensor - Range Rover (L322) | Quantity: 1 |
| SYG500050 | Brake caliper bolt | Quantity: 4 |

TOOLS:

No Tools Required

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 |
|--|--------------------|--------------|----------------|-------------|
| Front brake pad set - Renew - Range Rover (L322) | 70.40.02.36 | 0.8 | 42 | LR020362 |
| Front brake pad set - Renew - Range Rover Sport (L320) | 70.40.02.36 | 0.6 | 42 | LR020362 |
| Remove and support calipers | 05.10.10 | 0.1 | 42 | LR020362 |
| Clean all pistons and pistons seals with brake cleaner and a cloth | 05.10.20 | 0.2 | 42 | LR020362 |



NOTE: Normal Warranty procedures apply.

SERVICE INSTRUCTION:



WARNING: Brake pads must be renewed in axle sets only. Failure to follow this instruction may result in braking efficiency being impaired.



NOTE: The brake pad wear warning indicator sensor does not require replacement if it is in a satisfactory condition.



1. CAUTION: Make sure that no load is placed on the brake hose.



CAUTION: Do not allow the brake caliper to hang on the brake pad wear warning sensor lead.



NOTE: Do not remove the brake hose union.

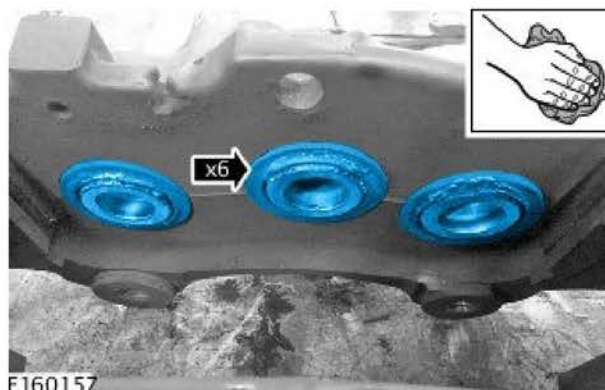
Remove the front left brake caliper and tie aside (see TOPIx Workshop Manual, section 206-03).

2. Remove the brake pads (see TOPIx Workshop Manual, section 206-03).



3. NOTE: Failure to perform the following cleaning process thoroughly will result in the brake pads not adhering to the pistons, thus reducing the effectiveness of the fix.

Thoroughly clean all brake caliper pistons and piston seals with brake cleaner to remove all traces of grease and dust.



4. Gently remove and discard the brake pad backing.



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5.  **NOTE: Do not apply grease to the piston contact area.**


Apply grease LR020972 (Molykote® CU-7439 PLUS) to the areas indicated on the brake pads.



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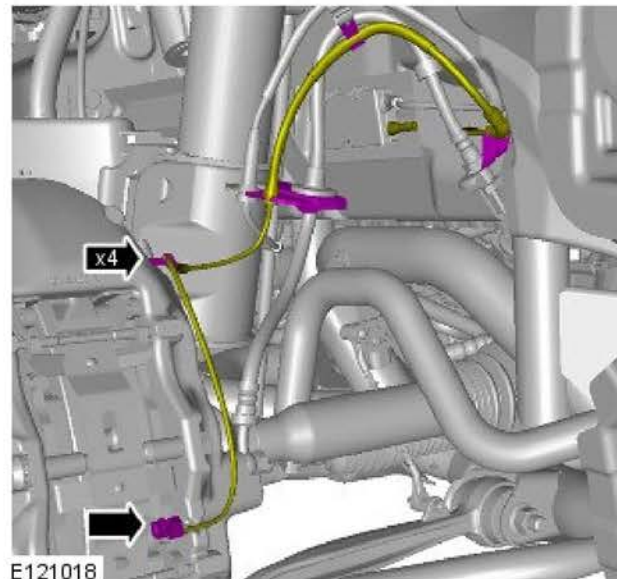
6.  **NOTE: Take care to make sure that the sticky surface on the brake pad comes cleanly into contact with the brake caliper pistons.**

 **NOTE: Brake pad wear warning sensor lead for front left brake caliper only.**

 **NOTE: Once the brake pads are fitted, apply light pressure to the brake pedal to achieve a good bond.**

Install the brake caliper and new brake pads (see TOPIX Workshop Manual, section 206-03).

- Install the brake pad wear warning sensor lead (front left brake caliper only).



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7. Repeat steps 1-6 to the front right brake caliper and pads.