

TECHNICAL BULLETIN
LTB00592NAS3
06 FEB 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.

This reissue replaces all previous versions. Please destroy all previous versions. Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in gray

SECTION: 206-03

Front Brake 'Squeal' Noise

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW)

Model Year: 2014
VIN: EA300000-EA327035

With: High Performance Brakes

Range Rover (LG)

Model Year: 2013-2014
VIN: DA001204-EA144565

With: High Performance Brakes

MARKETS:

NAS

CONDITION SUMMARY:

Situation: On vehicles fitted with High Performance Brakes only, a 'squeal' noise may be evident from the front brakes during low-speed, light to moderate braking, until the vehicles comes to a stop.

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: Front brake pad set part number LR039526 should be fitted to vehicles only where a customer has reported the condition as described and not as a standard service replacement.



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

LR033274	Caliper bolts	Quantity: 4
LR033275	Sensor - Brake pad wear warning indicator	Quantity: 1 (if required)
LR039526	Front brake pad set	Quantity: 1 (set)

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
Brake pads - Front - Set - Renew - With high performance brakes fitted	70.40.02.36	0.9	42	LR020362
Remove and support calipers	05.10.10	0.1	42	LR020362
Clean all pistons and piston seals with brake cleaner & a cloth	05.10.20	0.2	42	LR020362

 **NOTE: Normal Warranty policies and procedures apply.**

SERVICE INSTRUCTION:


-  **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.**

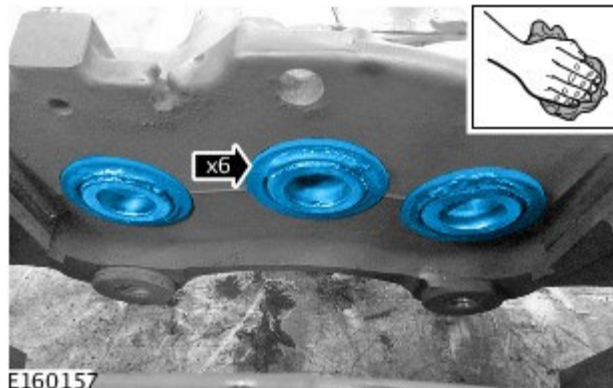
 **NOTE: Do not remove the brake hose union.**

Remove the front right brake caliper (see TOPIx Workshop Manual, section 206-03).

- Tie caliper aside.
- Remove and discard brake pads.

-  **NOTE: The brake caliper pistons and piston seals must be thoroughly cleaned; failure to do so will reduce the effectiveness of this Service Instruction.**

Thoroughly clean all six (6) brake caliper pistons and piston seals with brake cleaner to remove all traces of grease and dust.



- Gently remove the backing from the new brake pads.



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

Grease pad abutments at both ends with Molykote® Cu-7439 PLUS.



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5.  **CAUTION: The front brake caliper mounting bolts must be replaced.**

 **NOTE: Make sure that the sticky surface on the brake pad comes cleanly into contact with the brake caliper pistons.**

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

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

- Once the brake pads and caliper are fitted to the vehicle, apply light pressure to the brake pedal to achieve a good bond.
- If necessary, install new brake pad wear warning indicator sensor.

6. Repeat steps 1-5 to the front left brake caliper.