

TECHNICAL BULLETIN
 LTB00482NAS2
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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 TSB in TOPIX.

Changes are highlighted in gray

SECTION: 303-12C

Supercharger 'Clattering' Noise

AFFECTED VEHICLE RANGE:

Range Rover Sport (LS) - 5.0L Supercharged Only	Model Year:	2010-2013
	VIN:	AA212145 Onwards
Range Rover (LM) - 5.0L Supercharged Only	Model Year:	2010-2012
	VIN:	AA304426-CA393638

MARKETS:

NAS

CONDITION SUMMARY:

Situation:

A 'clattering' noise may be heard from the engine. Upon further investigation, including removing the supercharger drive belt and running the engine to confirm the noise is no longer present, the noise may be found to be coming from the supercharger assembly.



NOTE: Removal of the supercharger drive belt and running of the engine to verify the clattering noise is emanating from the supercharger assembly must be done prior to the fitting of a new supercharger assembly.

Cause: This may be caused by the following conditions:

- The torsional isolator spring may fail due to lack of adequate input shaft pilot support, leading to overhang and increased stresses in the torsion spring and causing excessive backlash in the supercharger drive and no torsional damping.
- Bearing contamination.

Action: In the event of a customer concern of the above, refer to the Repair Procedure outlined below.

PARTS:

LR048089 Supercharger assembly Quantity: 1

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
Supercharger assembly - Renew - Range Rover Sport	19.46.15	4.50	01	LR032056
Supercharger assembly - Renew - Range Rover	19.46.15	3.90	01	LR032056



NOTE: Normal Warranty policies and procedures apply.

REPAIR PROCEDURE:

1. **NOTE: Removal of the supercharger drive belt and running of the engine to verify the clattering noise is emanating from the supercharger assembly must be done prior to the fitting of a new supercharger assembly.**

Install a new supercharger assembly (TOPIx Workshop Manual, section 303-12C).