

LTB01220NAS1

# TECHNICAL BULLETIN

28 AUG 2018

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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.

INFORMAIION
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# SECTION:

303-04

# SUBJECT/CONCERN:

Rattle From Turbocharger Actuator Arm

# AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	APPLICABILITY:
Range Rover Velar (LY)	2018 Onwards	700000 Onwards	INGENIUM 14 2.0L Petrol
Range Rover Sport (LW)	2018 Onwards	162195 Onwards	INGENIUM I4 2.0L Petrol - PHEV
Range Rover (LG)	2018 Onwards	347961 Onwards	INGENIUM I4 2.0L Petrol - PHEV

# MARKETS:

#### **NORTH AMERICA**

# CONDITION SUMMARY:

#### SITUATION:

A rattle noise may be evident from the engine compartment and may appear louder while the engine is under load or on overrun. The noise may also appear louder when starting the engine from a cold engine.

#### CAUSE:

This may be caused by excessive movement within the turbocharger wastegate actuator arm linkage.

#### ACTION:

Should a customer express this concern, follow the Workshop Procedure below.

# PARTS:

PART NUMBER	DESCRIPTION	QUANTITY	
LR116338	Turbocharger	1	
LR091576	Turbocharger oil feed pipe - With banjo bolt(s) and washers	1	
LR097977	Turbocharger engine coolant return hose - With O-ring seal	1	
LR092089	Turbocharger engine coolant inlet hose - With O-ring seal	1	
LR105411	Turbocharger to exhaust - Gasket	1	
LR105414	Turbocharger to exhaust - Clamp	1	
LR073687	Turbocharger oil return pipe - Upper O-ring seal	1	
LR073688	Turbocharger oil return pipe - Lower O-ring seal	1	
LR100460	Turbocharger to charge air cooler - Air duct	1	
LR091554	Turbocharger to exhaust manifold - Gasket	1	

### TOOLS:

Refer to Workshop Manual for any required special tools.

### WARRANTY:

### ∧ NOTES:

- 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 JLR claims submission system to obtain the latest repair time.
- The JLR Claims Submission System 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
Turbocharger - Renew - Range Rover Velar (L560)	19.42.01	1.5	33	LR111086
Turbocharger - Renew - Range Rover Sport (L494; Plug-in Hybrid Electric Vehicle [PHEV])	19.42.01	3.1	33	LR111086
Turbocharger - Renew - Range Rover (L405; Plug-in Hybrid Electric Vehicle [PHEV])	19.42.01	3.1	33	LR111086



# ∧ NOTE:

Normal Warranty procedures apply.

#### WORKSHOP PROCEDURE:

- Renew the turbocharger:
  - Range Rover Velar (L560): see TOPIx Workshop Manual section 303-04F: Fuel Charging and Controls - Turbocharger - Removal and Installation - Turbocharger

- Range Rover Sport (L494): see TOPIx Workshop Manual section 303-04J: Fuel Charging and Controls Turbocharger Removal and Installation Turbocharger
- Range Rover (L405): see TOPIx Workshop Manual section 303-04G: Fuel Charging and Controls Turbocharger Removal and Installation Turbocharger