

JTB00349NAS2

**TECHNICAL BULLETIN**

22 DEC 2017



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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 Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

**INFORMATION**

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This reissue replaces all previous versions. Please destroy all previous versions.

Changes are highlighted in blue

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**SECTION:**

303-12C: Intake Air Distribution and Filtering

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**SUBJECT/CONCERN:**

Clatter/Knock/Rattle Noise From Supercharger

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**AFFECTED VEHICLE RANGE:**

<b>MODEL:</b>	<b>MODEL YEAR:</b>	<b>VIN:</b>	<b>ASSEMBLY PLANT:</b>	<b>APPLICABILITY:</b>
F-TYPE (X152)	2014 Onwards	K00001 Onwards	Castle Bromwich	V8 S/C 5.0L Petrol
XJ Range (X351)	2010 Onwards	V00001 Onwards	Castle Bromwich	V8 S/C 5.0L Petrol
XF (X250)	2010-2014	R47154-U88785	Castle Bromwich	V8 S/C 5.0L Petrol
XK Range (X150)	2010-2014	B32753-B56794	Castle Bromwich	V8 S/C 5.0L Petrol

**MARKETS:**

NORTH AMERICA

**CONDITION SUMMARY:****SITUATION:**

A clatter/knock/rattle noise may be heard from the engine.

**CAUSE:**

This may be caused by torsional isolator and/or the torsional isolator spring support shaft wear causing excessive backlash in the supercharger drive.

**ACTION:**

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

**PARTS:**

<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
C2D38554	Supercharger spring isolator kit - V8 5.0L S/C (Denso) - XF (X250; R47154-S61361); XJ (X351; V00001- V39426); XK (X150)	1 (as required)

PART NUMBER	DESCRIPTION	QUANTITY
C2D38553	Supercharger spring isolator kit - V8 5.0L S/C (Bosch) - F-TYPE (X152; K00001-onwards); XF (X250; S61362-U88785); XJ (X351; V39427-onwards)	1 (as required)
AJ811576	Gasket - Right-hand	1
AJ811590	Gasket - Left-hand	1
C2Z28265	Throttle body gasket	1

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**TOOLS:**

Refer to Workshop Manual for any required special tools.

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**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
Isolator - Supercharger - Renew - V8 5.0L S/C - F-TYPE (X152)	18.50.69	3.4	42	C2D38553
Isolator - Supercharger - Renew - V8 5.0L S/C - XF (X250; R47154-S61361)	18.50.69	4.7	42	C2D38553
Isolator - Supercharger - Renew - V8 5.0L S/C - XF (X250; S61362-U88785)	18.50.69	4.2	42	C2D38553
Isolator - Supercharger - Renew - V8 5.0L S/C - XJ (X351; V00001-V39426)	18.50.69	4.6	42	C2D38553

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Isolator - Supercharger - Renew - V8 5.0L S/C - XJ (X351; V39427-onwards)	18.50.69	4.1	42	C2D38553
Isolator - Supercharger - Renew - V8 5.0L S/C - XK (X150)	18.50.69	4.2	42	C2D38553

**NOTE:**

Normal Warranty procedures apply.

**SERVICE INSTRUCTION:**

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.

Remove the supercharger drive belt and rotate the supercharger pulley by hand:

- If there is a 'clunk' / 'knock' noise from the supercharger or significant free play when turning the pulley before the rotors start to turn and **not** one of the symptoms below, install a supercharger spring isolator kit (see TOPIx Workshop Manual section: 303-12C: Intake Air Distribution and Filtering).
- If any of the following symptoms are present, replace the supercharger assembly. To be performed as a separate claim.
  - The pulley does not rotate freely ('sticks', difficult to move, roughness felt in bearing); **and/or**
  - The blades / rotors are damaged; **and/or**
  - Customer reported excessive 'whine' noise.