

# TECHNICAL BULLETIN

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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.

## **SECTION: 303-12C**

### Supercharger 'Clattering' / 'Knock' / 'Rattle' Noise - 5.0L V8 SC Engine

#### **AFFECTED VEHICLE RANGE:**

##### **F-TYPE (X152)**

<b>Model Year:</b>	2014 Onwards	<b>Engine:</b>	V8 S/C 5.0L Petrol
<b>VIN:</b>	K00001 Onwards		

##### **XF (X250)**

<b>Model Year:</b>	2010-2014	<b>Engine:</b>	V8 S/C 5.0L Petrol
<b>VIN:</b>	R47154 Onwards		

##### **XJ Range (X351)**

<b>Model Year:</b>	2010-2014	<b>Engine:</b>	V8 S/C 5.0L Petrol
<b>VIN:</b>	V00001 Onwards		

##### **XK Range (X150)**

<b>Model Year:</b>	2010-2014	<b>Engine:</b>	V8 S/C 5.0L Petrol
<b>VIN:</b>	B32753 Onwards		

#### **MARKETS:**

NAS

#### **CONDITION SUMMARY:**

**Situation:** A 'clattering' / '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 Service Instruction outlined below.

#### **PARTS:**

C2D38554	Supercharger spring isolator kit - 5.0L V8 SC - XF (X250) - R47154-S61361; XJ (X351) - V00001-V39426; XK (X150) B32753-onwards	Quantity: 1 (as required)
C2D38553	Supercharger spring isolator kit - 5.0L V8 SC - F-TYPE (X152) K00001-onwards; XF (X250) S61362-onwards; XJ (X351) V39427-onwards	Quantity: 1 (as required)
AJ811576	Gasket - Right-hand	Quantity: 1
AJ811590	Gasket - Left-hand	Quantity: 1

#### **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
Isolator - Supercharger - Renew - 5.0L V8 SC - F-TYPE (X152)	<b>18.50.69</b>	3.7	42	C2D38553
Isolator - Supercharger - Renew - 5.0L V8 SC - XF (X250) - R47154-S61361	<b>18.50.69</b>	5.2	42	C2D38553
Isolator - Supercharger - Renew - 5.0L V8 SC - XF (X250) - S61362-onwards	<b>18.50.69</b>	4.7	42	C2D38553
Isolator - Supercharger - Renew - 5.0L V8 SC - XJ (X351) - V00001-V39426	<b>18.50.69</b>	5.2	42	C2D38553
Isolator - Supercharger - Renew - 5.0L V8 SC - XJ (X351) - V39427-onwards	<b>18.50.69</b>	4.7	42	C2D38553
Isolator - Supercharger - Renew - 5.0L V8 SC - XK (X150) - B32753-onwards	<b>18.50.69</b>	4.3	42	C2D38553



**NOTE: Normal Warranty policies and 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).
- 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.