

TECHNICAL BULLETIN
JTB00349v2
22 MAY 2014



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This reissue replaces all previous versions. Please destroy all previous versions. This bulletin supersedes TSB JTB00349/2014 dated 07 APR 2014, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page). Only refer to the electronic version of this Technical Bulletin in TOPIX.

Changes are highlighted in gray

SECTION: 303-12C

5.0L Supercharger Noise

AFFECTED VEHICLE RANGE:

XK Range (X150)

Model Year: 2010-2014
VIN: B32753 Onwards

F-TYPE (X152)

Model Year: 2014 Onwards
VIN: K00001 Onwards

XF (X250)

Model Year: 2010-2014
VIN: R47154 Onwards

XJ Range (X351)

Model Year: 2010-2014
VIN: V00001 Onwards

MARKETS:

All

CONDITION SUMMARY:

Situation:

A Customer may report a concern of a loud clattering/rattle/knocking type noise from the engine. Investigation reveals the noise is being emitted from the supercharger.

This version has been issued for a change to the Service Instruction and Parts Required.

Cause:

The torsional isolator and or the torsional isolator spring support shaft are wearing causing excessive backlash in the supercharger drive.

Suggested Customer Concern Code N11.

Action: Should a customer express concern, follow the Service Instruction outlined below.

PARTS:

C2D38554	Supercharger Spring Isolator Kit (Denso As Required)	Quantity: 1
C2D38553	Supercharger Spring Isolator Kit (Bosch As Required)	Quantity: 1
AJ811576	Gasket - Right	Quantity: 1
AJ811590	Gasket - Left	Quantity: 1

WARRANTY:

Vehicle Model	Model Years	VIN Range	C2D38554 (Denso)	C2D38553 (Bosch)
XJ (X351)	2010 to 2013	V00001 to V39426	Yes	-

Vehicle Model	Model Years	VIN Range	C2D38554 (Denso)	C2D38553 (Bosch)
XJ (X351)	2014 onwards	V39427 onwards	-	Yes
XF (X250)	2010 to 2013	R47154 to S61361	Yes	-
XF (X250)	2014 onwards	S61362	-	Yes
XK (X150)	2010 onwards	B32753 onwards	Yes	-
F-Type (X152)	2014 onwards	K00001	-	Yes



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
F-Type 5.0L SC	18.50.69	3.7	42	C2D38553
XK 5.0L SC	18.50.69	4.3	42	C2D38553
XF 5.0L SC (Up to VIN 2012S61361)	18.50.69	5.2	42	C2D38553
XF 5.0L SC (VIN 2013S61362 Onwards)	18.50.69	4.7	42	C2D38553
XJ 5.0L SC (Up to VIN 2012V39426)	18.50.69	5.2	42	C2D38553
XJ 5.0L SC (VIN 2013V39427 Onwards)	18.50.69	4.7	42	C2D38553



NOTE: Normal Warranty procedures apply.

SERVICE INSTRUCTION:



NOTE: See the table above for the part numbers that apply to affected vehicle lines.

1 Remove the supercharger drive belt (see TOPIx Workshop Manual Section 303-05 Supercharger Belt) and rotate the supercharger pulley by hand.

2 Use the supercharger spring isolator kit: When there is a clunk or knocking noise from the supercharger or if there is significant free play when turning the pulley before the rotors start to turn (see Workshop Manual, Section 303-12, Supercharger Spring Isolator).

3 Refer to the symptoms in items 1 to 3 below – if any of these are present install a new supercharger. **This must be done as a separate Warranty Claim.**

1. The pulley does not rotate freely – for example if it sticks, if it is difficult to move, or if roughness can be felt in the bearing during rotation.
2. The blades/rotors are damaged. Please be advised light rotor contact will result in a polished appearance this is normal and does not indicate damage to the rotors.
3. The customer reported an excessive whine noise from the supercharger.