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supersedes TSB JTB00349/2014 dated 07 APR 2014, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).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:

ΑI

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:

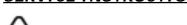
| Vehicle Model | Model Years | VIN Range | C2D38554 (Denso) | C2D38553 (Bosch) |
|---------------|--------------|------------------|------------------|------------------|
| XJ (X351) | 2010 to 2013 | V00001 to V39426 | Yes | - |
| XJ (X351) | 2014 onwards | V39427 onwards | - | Yes |
| XF (X250) | 2010 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: 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.