

# SQUEAKING NOISE FROM SUBFRAME BUSHINGS / REINFORCEMENT PLATE

**NO:** TJ 17644

**FUNC GROUP:** 2182

**FUNC DESC.:** RUBBER CUSHION

**PARTNER:** 3 US 7510 VOLVO CARS  
NORTH AMERICA

**ISSUE DATE:** JULY, 15, 2013

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
124							2007-2014		0000001-0177939	200620-201326
134							2011-2014		0000001-0276466	201020-201326
135							2008-2014		0000001-0285952	200720-201326
136							2008-2014		0000001-0177780	200720-201326
156							2010-2014		0000001-0510437	200835-201326

Code	Description
WV	Suspension/Clicking/clonking noise/At start/stop
WY	Suspension/Clicking/clonking noise/Unsure when/at all times
X1	Suspension/Unusual noise

\*NOTE! THIS DOCUMENT SUPERSEDES THE PREVIOUS RETAILER TECHNICAL JOURNAL 17644 DATED 08-22-2012.

\*There is a new repair method for this concern. Replacement of the subframe bushings is no longer necessary.

## DESCRIPTION:

A squeaking noise could be heard from the front suspension, especially when turning or driving over a speed bump.

The noise usually comes from the rear bushings in the front subframe due to axial travel resulting in a rubbing or squeaking noise between the reinforcement plate and the bushings' front and rear axial movement limiters.

Once the rubber material on the bushing is worn out, the underneath plastic material may cause a soft knocking noise instead. The contact points are illustrated in the attached pictures: TJ 17644 -1.jpg; TJ 17644 -2.jpg

## PRODUCTION MODIFICATION

\* New reinforcement plates were introduced in production from 2013 week 26.

## PARTS

Reinforcement plate, Left side: PN 31391780  
Reinforcement plate, Right side: PN 31391781

## SERVICE\*

Note: First check if the squeaking noise could be caused by other factors, such as the front anti-roll bar bushings (TJ 23109).

If necessary, use Chassis Ears to locate and/or verify the source of the noise.

If this customer's complaint is verified, replace both right and left side reinforcement plates, refer to image "TJ17644: Contact Points," on the next page.

Torque specifications can be found on the next page, "TJ17644: Torque Specifications."

## MATERIAL RETURN

None

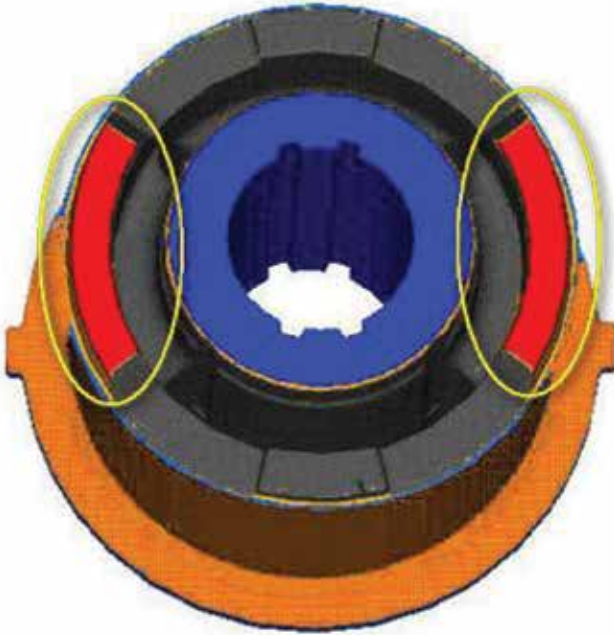
## VEHICLE REPORT

\* Yes, if the noise continues when using the new reinforcement plates.

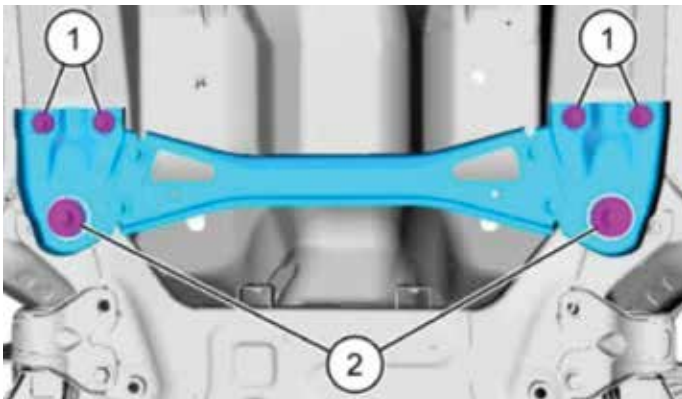
\* Use concern area "Vehicle Report," sub concern area "Support not Needed" and Function group 2182

# TJ17644: CONTACT POINTS

ORANGE BUSHING



BLUE BUSHING



## TJ17644: TORQUE SPECIFICATIONS

1. Torque: M8, 24 Nm
2. Torque: Subframe to chassis  
(Rear screws)
  - Stage 1: 150 Nm
  - Stage 2: 90°

