



Technical Journal

TITLE:

Brake vibrations due to lockable wheel screws

REF NO: TJ 33239.1.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2017-11-27	STATUS DATE: 2017-12-04
FUNC GROUP: 5112	FUNC DESC: Brake drum; brake disc	Page 1 of 3	

“Right first time in Time”

Attachment

File Name	File Size
Lockable screws.pdf	0.1784 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
1XX							2012-9999		0000001-0999999	201120-999952
2XX							2012-2014		0000001-0999999	201120-201504
2XX							2016-9999		0000001-9999999	201505-999952

CSC Customer Symptom Codes

Code	Description
V4	Brakes/Vibration/shudder/While braking
V2	Steering wheel/Vibration/shimmy/When driving above 45 mph
W3	Steering wheel/Vibration/shimmy/When driving below 45 mph
V1	Tires/Vibration/out of round

VST Operation Number

VST Operation Number	Description
99900	General check according to TJ



DTC Diagnostic Trouble Codes

Text

DESCRIPTION:

Brake vibrations from the front or rear may occur while braking. Analysis shows that brake vibrations could occur if the lockable wheel screws have been tightened with an inadequate torque.

SERVICE:

In case of customer complaints regarding brake vibrations, and if the car is equipped with lockable wheel screws;

- Check that all wheel screws are tightened according to specifications in VIDA, Owner's Manual or check attachment Lockable screws.pdf

NOTE: It is important to have the correct torque on all 5 screws due to that incorrect torque will influence the trueness of the brake disc, hub and wheel assembly. Consequently, incorrect torque may over time cause brake vibrations.

PRODUCT MODIFICATION:

The lock-screws can be trusted to be tightened with full torque, and can be loosened again even after long time of use.

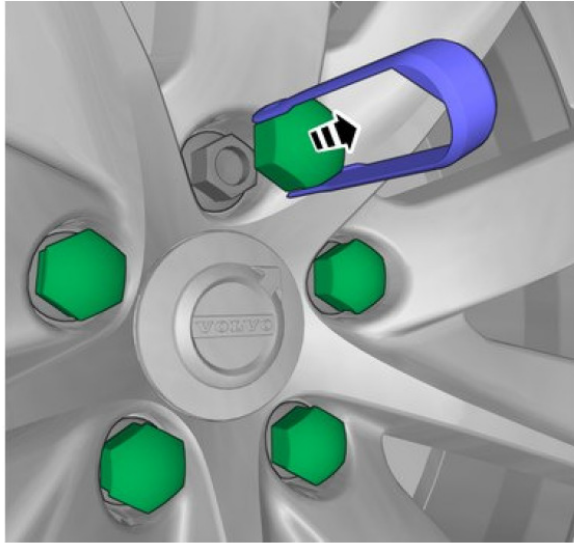
VEHICLE REPORT:

NO

MATERIAL RETURN:

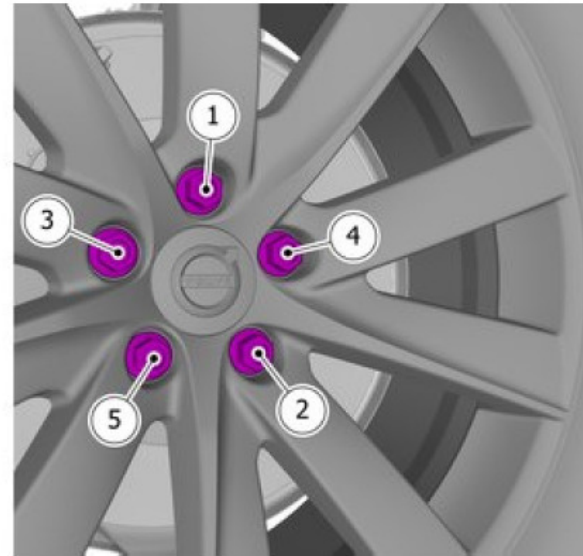
NO

To view TJ attachment continue to next page. This TJ has one attachment.



Remove the marked detail/details.

Use: Pliers



Caution!

Torque also applies to lockable bolts.

Note!

Make sure to follow the sequence indicated.

Torque: Aluminum wheel rim to wheel hub

- Stage 1: 4 Nm
- Stage 2: 50 Nm
- Stage 3: 140 Nm

