



Technical Journal

TITLE:

Vibrations from tires/wheels, request for feedback

REF NO: TJ 33574.2.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2018-04-24	STATUS DATE: 2018-04-30
FUNC GROUP: 7726	FUNC DESC: Summer tire, separate	Page 1 of 6	

“Right first time in Time”

Attachment

File Name	File Size
TJ 33574 Balance weights position.jpg	0.1881 MB
TJ 33574 Questionnaire about wheel vibrations v1.docx	0.0152 MB
TJ 33574 Tire VOL marking.jpg	0.0986 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
234							2017-2017		0027065-9999999	201717-999952
236							2018-9999		0013020-9999999	201717-999952
238							2018-9999		0015096-9999999	201717-999952
246							2018-9999		0000001-9999999	201717-999952
256							2018-9999		0190072-9999999	201717-999952
536							2019-9999		0000001-9999999	201746-999952

CSC Customer Symptom Codes

Code	Description
V1	Tires/Vibration/out of round



VST Operation Number

VST Operation Number	Description
77099	General Op: Use only if matching tire/rim with Force measure eqpt.
96401-2	Troubleshooting wheels/tyres/hubs, CSC: V1
77006-0	Wheels 4x balance

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

DESCRIPTION:

If vibrations occur due to issues with tires or wheels, follow the advice under Service and Vehicle Report.

SERVICE:

In case of vibrations, please follow TJ 20803 to establish the if the vibrations are coming from powertrain components or from wheels/tires.

If analysis indicate that the vibrations are coming from the wheels/tires, then follow TJ 32161.

Request: For vehicles M/Y 2018 and later which not been involved in any previous accident; Please submit a Vehicle Report in TIE, please fill in applicable answers in questionnaire, it will help Volvo to understand the problems behind wheel vibrations better.

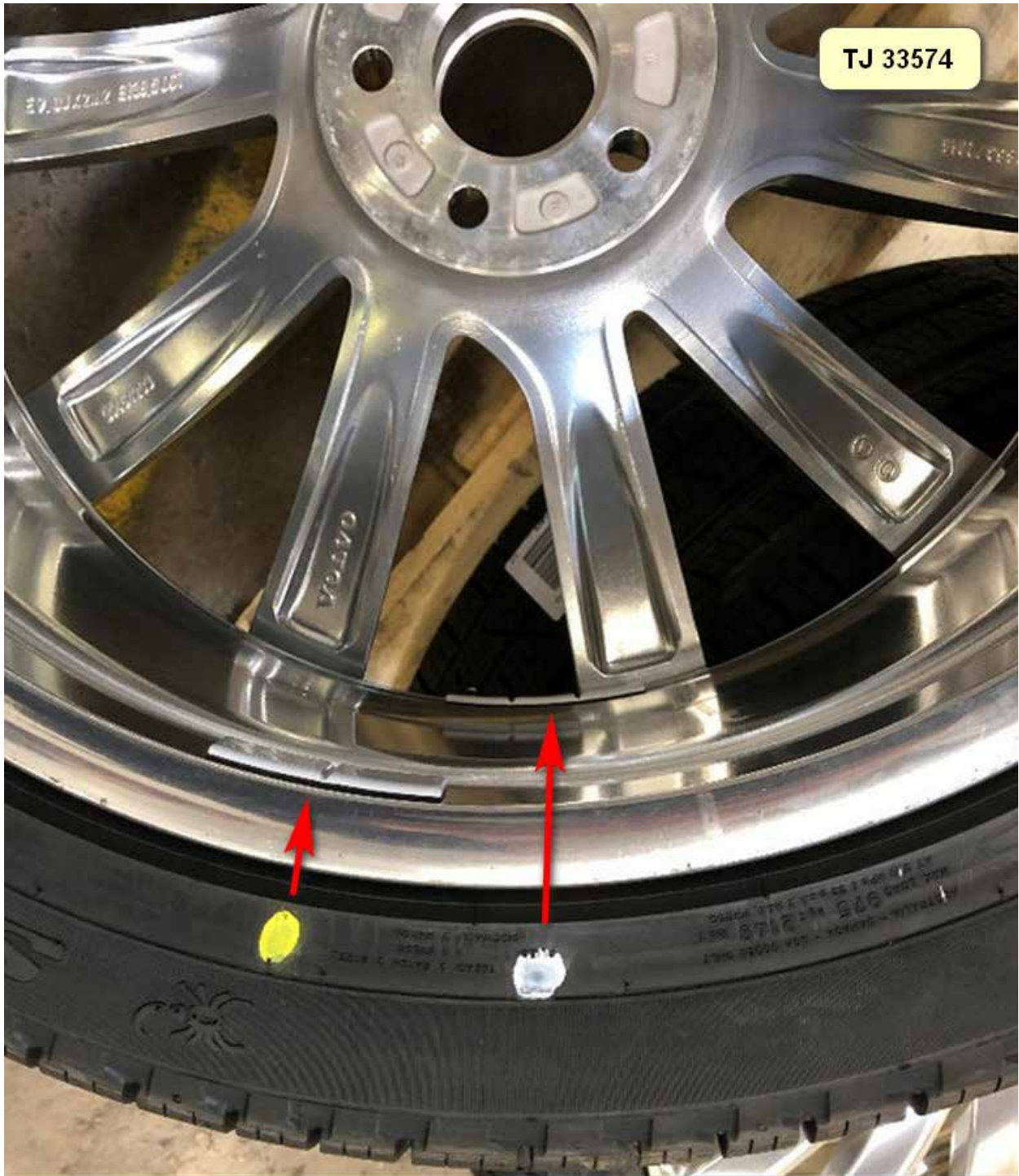
VEHICLE REPORT:

Yes, please submit a Vehicle Report if workshop has been able to solve a case including tire/wheel vibrations.

Include answers from the attached Word file.

Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 7726.

To view TJ attachment continue to next page. This TJ has three attachments.





TJ 33574, Wheel vibrations questionnaire

Base information:		
Tire brand		
Tire dimension and type Example: 235/35R20 All Season	LF RF LR RR	
DOT Code with production date code Example: 93 K9 L5345 (4517)		
Speed when the vibrations occur at the most		
VOL marked tire (Yes / No) See example photo in TJ.		
Origin of tires Example: Original tires since new car / Volvo original spare tires / non-Volvo spare tires / Volvo original accessory tire / Other tires -> please specify		
Tire pressure	LF RF LR RR	
Remaining tire thread depth	LF RF LR RR	
Mileage of the vehicle		
Estimated mileage for the set of tires		
Missing or mislocated balance weights? Newer tires have coloured dots to show correct location for the balance weights, see example photo in TJ.		
How long has the car been in storage at the dealer before retail delivery?		
Repair information:		
Workshop conclusion why vibrations occurred, and what was done to solve it.		
Force measurements Before repair	LF RF LR RR	



Force measurements After repair	LF RF LR RR
If any rims had impact damages such as cracks, rims out-of-round etc.	
If any advanced vibration measurements were done, example from Pico meter tools or other sensors that can record vibrations, please include these results in the report.	

