



Technical Journal

TITLE:

Vibrations in AWD vehicle

REF NO: TJ 27227.4.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2016-07-08	STATUS DATE: 2016-07-14
FUNC GROUP: 2185	FUNC DESC: Engine undershield	Page 1 of 2	

“Right first time in Time”

Attachment

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
184							2002-2006		0240000-0446918	200135-200606
1XX							2007-9999		0000850-0999999	200605-999952
275							2003-2014		0000690-0707110	200232-201428
285							2002-2007		0171000-0673859	200135-200719
295							2002-2007		0048000-0288671	200135-200719

CSC Customer Symptom Codes

Code	Description
AK	Driving/Hesitates/surges/Unsure when/at all times
BV	Driving/Hesitates/surges/At steady speed
8N	Driving/Unusual noise/Unsure when/at all times
W2	Front/rear axle/Vibration/shake

VST Operation Number

VST Operation Number	Description
98454-3	Test drive and restore acc to. TJ27227
98453-3	Wheels remove-install and measurement acc to. TJ27227
98452-2	Fuse (DEM) remove-install test drive and control tire acc to. TJ27227
36004-2	Software control module downloading.



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:

* Changed vehicle type.

If vibration or jerk occur during drive in different speeds with small throttle angle and gears at constant speed, follow the advice under Service.

This might be due to the tires. If the tires are from different brands, has different tyre wear or with different rolling circumference, DEM (Differential Electronic Module) interprets this as spare wheel is used on the vehicle and try to compensate to get RPM correct on all four wheels.

AWD= All Wheel Drive

SW=Software

DEM=Differential Electronic Module

TCM= Transmission Control Module

SERVICE:

Start to download latest SW to DEM and TCM according to VIDA.

If you still have vibrations remove fuse to DEM and see if vibrations are gone.

If they are, check wheels for brand and so they are marked exactly the same on all four wheels.

If you have the same brand and same size/ specification/ markings on the tires the easiest way to check height differences is to check the thread depth or the circumference of the tires.

If it is more than 3mm difference in height test drive the car with a set of wheels from a good car.

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 2185.