



Technical Journal

TITLE:

Front Air Suspension, knocking noise

REF NO: TJ 31236	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Cars North America		ISSUE DATE: 2016-06-15	STATUS DATE: 2016-06-15
FUNC GROUP: 7251	FUNC DESC: FR SPR, HYD/GAS/AIR, BELLOWS, CYLINDER	Page 1 of 2	

“Right first time in Time”

Attachment

File Name	File Size
Front Air Suspension Noise 2.m4a	0.2825 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
256	08	B4204T20					2016-2017	21	0000001-9999999	201505-201622
256	10	B4204T20					2016-2017	21	0000001-9999999	201505-201622
256	A2	B4204T27					2016-2017		0000001-9999999	201505-201622

CSC Customer Symptom Codes

Code	Description
WV	Suspension/Clicking/clonking noise/At start/stop
WY	Suspension/Clicking/clonking noise/Unsure when/at all times
X1	Suspension/Unusual noise
8J	Shock absorption/Unusual noise

VST Operation Number

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 the vehicle is equipped with air suspension and if customer is complaining over a knock/rattle/clatter noise from the **front suspension** when driving on rough roads or over a road hump, then follow the advice under Service.

Note: Vehicles with Air suspension can be identified by the following VDN code: RI03

* This journal is re-written in it's entirety

Note: Due to limited current supply of parts at the moment, please order parts accordingly before scheduling customer for repair. All efforts are being made to increase parts inventory for the US/ Canada markets.

SERVICE:

It is first required that workshop verify the symptom by a test drive.

If the workshop judge there is an unacceptable noise from the front suspension, then it is necessary to replace all four shock absorbers and download a new software for the suspension module (SUM).

Spare parts to be used:

Front left air spring P/N 31476850,

Front right air spring P/N 31476851,

Rear left shock absorber P/N 31476853,

Rear right shock absorber P/N 31476854,

- Replace front air springs and rear shock absorber according Vida and download SUM Upgrade, SP No. 31658477

- Important to calibrate SUM: VIDA -> Diagnostics -> Components -> Suspension module (SUM) -> Diagnostic Sequences -> Calibration of the Suspension Module (SUM)

Note: For T8 engines a service solution will be available end of Q3.

VEHICLE REPORT:

No, only if the described noise not is comparable with attachments please submit a Vehicle Report. Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 7251.

If material is needed it will be requested by report.

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