



Technical Journal

TITLE:

DEM-P188918 and AWD disabled message in DIM

REF NO:
TJ 31292.1.1

ISSUING DEPARTMENT:
Technical Service

CAR MARKET:
United States and Canada

PARTNER:
3 US 7510 Volvo Car USA

ISSUE DATE:
2017-01-24

STATUS DATE:
2017-01-27

FUNC GROUP:
4651

FUNC DESC:
**Final drive; Automatic
Operation Clutch**

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“Right first time in Time”

Attachment

File Name	File Size
Black sludge.pdf	0.4022 MB
Goodcalibnoise.mov	0.2110 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
15X					C		2016-9999		-	201546-999952
1XX					6		2013-9999		-	201220-999952
256					C		2016-9999		-	201505-999952

CSC Customer Symptom Codes

Code	Description
MU	4-wheel/all wheel drive/Does not work

VST Operation Number

VST Operation Number	Description
36050-2	Calibrating/Identifying with VIDA
99400-2	US-Cleaning acc. to TJ 31292
46504-2	Oil pump Active on Demand Coupling replace.
36004	software download



DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
DEM	P188918	Permanent

Rows beginning with * are modified

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

Text

DESCRIPTION:

***VST operation added to TJ (software download)**

AWD=All Wheel Drive

DIM= Driver Information Module

DTC= Diagnostic Trouble code

AOC= Active On Demand Coupling

DEM= Differential Electronic Module

If the “AWD disabled” is posted in DIM and DTC P188918 is set in DEM then follow advice under “Service.”

SERVICE:

1. Remove oil pump from AOC (Active On demand Coupling) and inspect the strainer. (See att.)
2. Clean strainer with lint-free cloth, **do not use any cleaning liquids** (this can contaminate the oil).
3. Clean pump sump in AOC, **do not use any cleaning liquids** (this can contaminate the oil).
4. Assemble cleaned pump to AOC.
5. Fill up with new **oil** to correct oil level in AOC according to VIDA.
6. Perform a calibration using VIDA.

If there is a screeching noise (see attachment) **and** the calibration finishes within one minute, the AOC is OK, and sludge on the strainer and/or air in the oil system is root cause. Release the car.

If there is **not** a screeching noise, and the calibration process takes more than one minute due to autostarting two times, then do a test drive while trying to provoke front wheels slip (obey all traffic laws and be aware of your surrounding). If the DTC returns, then replace the complete AOC.

If the car is **inside structure week 201220-201419**, use VIDA to order and download the following SW after AOC replacement:

31411060 for car 134, 155, & 156

31411059 for car 124 & 136

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 4651.

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



TJ 31292