



Technical Journal

TITLE:

Oil leakage from plug in VVT pulley

REF NO:
TJ 29131.6.0

ISSUING DEPARTMENT:
Technical Service

CAR MARKET:
United States and Canada

PARTNER:
3 US 7510 Volvo Car USA

ISSUE DATE:
2017-01-23

STATUS DATE:
2017-01-27

FUNC GROUP:
2150

FUNC DESC:
Transmission

Page 1 of 8

“Right first time in Time”

Attachment

File Name	File Size
TJ29131-1.jpg	0.2297 MB
TJ29131-2.jpg	0.0285 MB
TJ29131-3.jpg	0.0800 MB
TJI-475358-1_1_2_en-US.pdf	1.1008 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
138	40	B4204T11					2016-2016	36	0097323-0103481	201535-201550
156	40	B4204T11					2016-2016	36	0834791-0881343	201535-201550
1XX	26						2014-2016		-	201346-201538
1XX	40						2014-2016		-	201346-201538
1XX	40						2014-2016		-	201346-201538
1XX	40						2014-2016		-	201346-201538
1XX	49						2014-2016		-	201346-201538
256	A2	B4204T27					2016-2016	21	0000001-9999999	201505-201538
256	BC	B1BPHEV					2016-2016		0000001-0000009	201533-201538

CSC Customer Symptom Codes

Code	Description
BU	Lubrication and oil system/Incorrect fluid level
J9	Lubrication and oil system/Oil leakage



VST Operation Number

VST Operation Number	Description
36050-2	Calibrating/Identifying with VIDA
98533-2	Plug VVT-Units,inc. camshaft belt and cleaning acc. to TJ29131
98532-2	Plug VVT-units replace acc. to TJ29131

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:

Customer may experience a low oil level warning in DIM and /or oil leakage from the engine.

The oil may leak due to a crack in the plug from the VVT pulley (see attached photo).

SERVICE:

Replace both plugs in both VVT-pulleys according to the attached instruction. Plug PN:31375877

If the timing belt is effected with oil, replace the timing belt according to VIDA instructions.

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 2150.

To view TJ attachments continue to next page. This TJ has four attachments.







Volvo Car Customer Service

TJ Instruction VCC-475358-1

Title	Plug VVT unit	Page	1 (4)
Action	Product fix	Operation number:	98532-2 98533-2 36050-2

Issue	Date	Reason
1	2014-06	First issue
2	2016-08	Change in Affected Vehicles

Affected vehicles

Model year	Model	Engine
2014, 2015, 2016	S60 (11-)	B4204T11, T12, T19, T9
2016	S60L	B4204T11, T19
2014, 2015	S80 (07-)	B4204T11, T12
2016	V40 (13-)	B4154T4, T5 B4204T19, T38
2016	V40 Cross Country	B4154T4 B4204T19
2014, 2015, 2016	V60	B4204T11, T12, T19, T9
2014, 2015	V70 (08-)	B4204T11
2014, 2015	XC60	B4204T11, T12, T9
2014, 2015	XC70 (08-)	B4204T11
2016	XC90 (16-)	B4204T27

Materials

Materials	Qty.	Part No.	Notes
Plug	2.0	31375877	
Engine oil	0.5	31392923	(CN only 933382831);

Removal

Note! Removal steps in this procedure may contain installation details.

Remove right front wheel , refer to:

Removal, replacement and installation

7 - Springs and wheels

77 - Wheels, tyres, hubs

771 - wheel and wheel trim

Remove engine pad right , refer to:

Removal, replacement and installation

2 - Engine with mountings and equipment

21 - Engine

218 - engine mounting

Remove the auxiliaries belt , refer to:

Removal, replacement and installation

2 - Engine with mountings and equipment

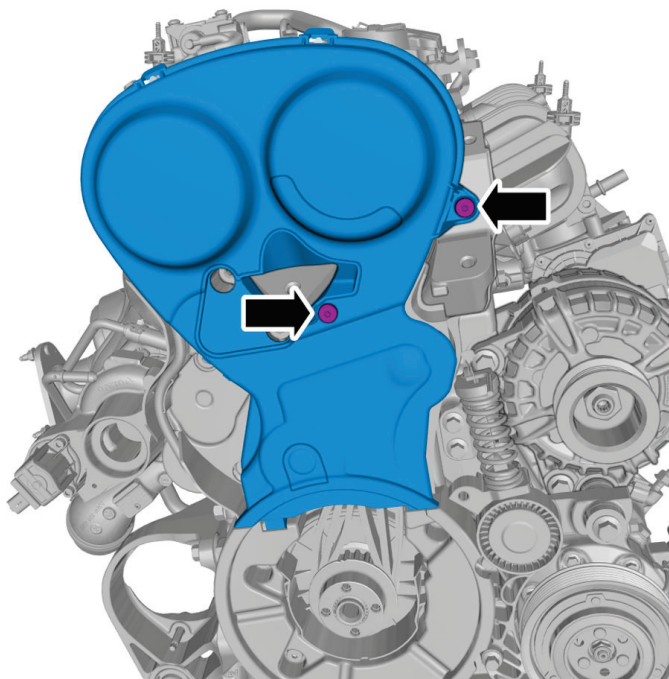
21 - Engine

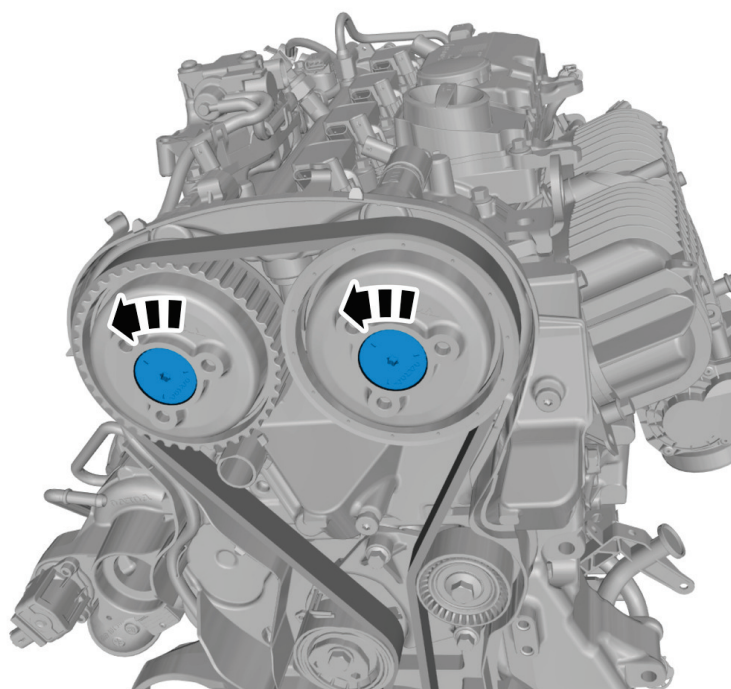
215 - transmission

Remove the screws.

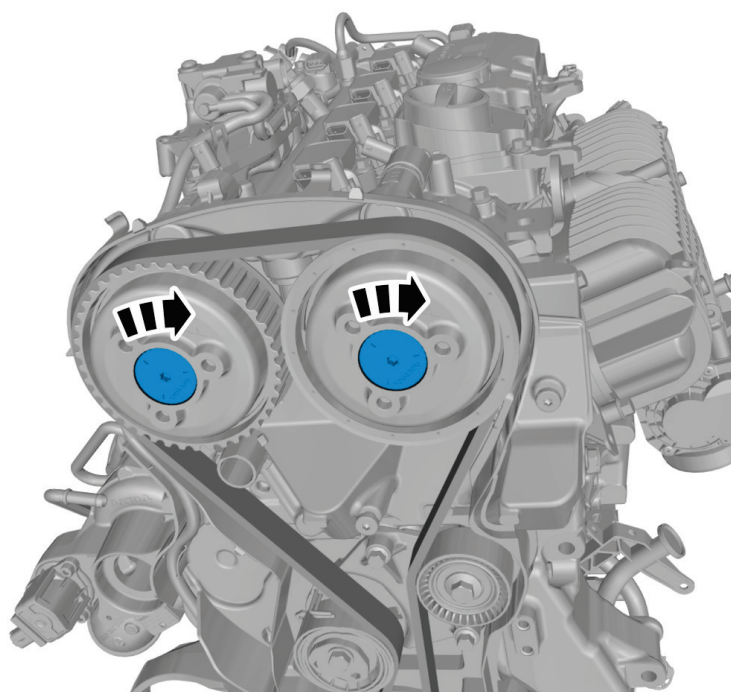
Torque:

M6 , 10 Nm

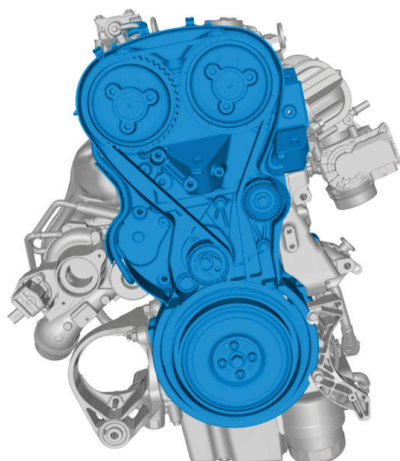




Warning! Be prepared to collect escaping fluid.



Torque:
Plug VVT unit , 5 Nm



Note! Make sure that the component is clean, free of foreign material and lubricant.

Installation

To install, reverse the removal procedure.

Check the oil level according to: VIDA/
DIAGNOSTICS/VEHICLE COMMUNICATION/
ECM/Advanced/General/Miscellaneous