



Technical Journal

TITLE:

TF80/Rough shift N-D and/or 5-4

REF NO: TJ 32169.11.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-08-22	STATUS DATE: 2019-08-27
FUNC GROUP: 4370	FUNC DESC: Automatic, transmission (hydromechanical)	Page 1 of 3	

“Right first time in Time”

Attachment

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
1XX					0		2011-2016		-	201020-201619
1XX					6		2011-2016		-	201020-201619
275					0		2013-2015		-	201220-201429
275					6		2013-2015		-	201220-201429
5XX					0		2011-2016		-	201020-201619
5XX					6		2011-2016		-	201020-201619

CSC Customer Symptom Codes

Code	Description
MA	Automatic transmission/Shifts rough or jerky/Unsure when/at all times
ND	Automatic transmission/Shifts rough or jerky/When downshifting
NF	Automatic transmission/Shifts rough or jerky/When engaging gear at standstill



VST Operation Number

VST Operation Number	Description
36001-2	Diagnostic trouble codes read / reset / known Diagnostic trouble codes with VIDA
36004-2	Software control module downloading
36060-3	Calibration with VIDA
43710-2	Automatic transmission remove-install
43745-3	Oil automatic transmission check
97026-3	Adaption acc. to QB/TJ
98651-3	Inner seals, gearbox acc. to TJ-32169

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
TCM	P089500	Intermittent

Rows beginning with * are modified

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

Text

DESCRIPTION:

* Journal is updated under service and description.

NOTE: This TJ is only relevant for gearbox TF-80SC/SD 2WD and 4WD. Requirement: Volvo level 3MH Technician.

*If customer complaints of rough shift from **N to D** or coasting down from **5 to 4** then follow service.

XC90 MY2013-2015 have a special routine. Follow ***XC90** under service

SERVICE:

* The script in VIDA has been changed to improve the support in fault tracing.

Changes are:

To reach phase 3, 4 and 5 you must reach 2 or more.

To be sure the gearbox has got enough adaptation, a certain number of good shifts needs to be reached, (20 for N-D and 50 for 5-4).

Connect to VIDA and follow fault tracing: **VIDA/Diagnostics/Vehicle communication/TCM/Advanced/Check and adjust hard and jerking shifts for N-D and 5-4.**

P/N to repair kit 31492222 (Is not mentioned in the VIDA method)

XC90 - Start with TCM adaption: Diagnostic/Vehicle communication/TCM/Advanced/Control module adaptation



***Warranty claim info:**

To get warranty claim accepted for a job described in this TJ, please use following data:

VST OP number:

***Usage of operation op numbers in different scenarios:**

Two scenarios might have to be combined based on recommendation in the fault tracing.

- 1. Update to new TCM SW:** 36004-2 36060-3 97026-3
- 2. Adaptation:** 36001-2 36060-3 98530-2 (If needed use 97026-3)
- 3. Repair method:** 36001-2 36060-3 43710-2 43745-3 98651-3 97026-3
- 4. Write Report support needed:** 36001-2 36060-3
- 5. Replace to new TCM:** 43715-2, 36004-2, 97026-3

Note the 2 different adaption scenarios:

VST Operation No 98530-2 = Included in VCC-501402-2

VST Operation No 97026-3 = Diagnostic/Vehicle communication/TCM/Advanced/Control module adaptation

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 needed", use function group 4370.