

**** SOLUTION ****

Title	Automated Manual Transmission (AMT, I-Shift, mDRIVE) - Diagnostic Trouble Codes (DTC) P1058-18 And P1058-17 Logged At The Same Time
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Mack Models

Mack Model	AN - Anthem , GR - Granite , PI - Pinnacle
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Volvo Models

Volvo Model	VN , VNR , VAH , VHD
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Emission Standard

Emission Standard	US10+OBD13 , US14+OBD13 , US14+OBD15 , US14+OBD16 , US17+OBD16 , US17+OBD18 , US17+OBD19
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Engine family

Engine family	11L Engine , 13L Engine , MP7 , MP8
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Transmission

Transmission	AMT-F With Crawler Gears , AMT-F Without Crawler Gears , AMT-F , AMT-F With Crawler Gears , AMT-F Without Crawler Gears
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**** SOLUTION ****

Cause	Diagnostic Trouble Codes (DTC) P1058-18 And P1058-17 may appear on a DTC Readout with timestamps and occurrences indicating that both codes set, on or about, the same time.
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Solution

It is not possible for a circuit below voltage and a circuit above voltage code to set simultaneously. Fault tracing in Guided Diagnostics will lead to No Fault Found (NFF) unless one of the codes is active. If both codes are logged on or about same time with a similar number of multiple occurrences, just replace the internal (pass through) harness. If, while replacing the harness, you find other mechanical issues with the gearbox, they will need to be addressed as well. A more robust internal (pass through) harness is being developed at this time. The current PN (21911586) will supesede in IMPACT when the new harness becomes available.

NOTE: If fault code P10AE81 is logged along with as P105817/18, review CBR: [K64554358](#).

Internal comments (BO)

There is an active QJ for this issue and the supplier WABCO has identified issues with previously NFF harnesses. Replacing the harness keeps the fault from recurring. If left unresolved it can lead to a driveability complaint from the driver. The QJ information says that the AMT-D is not having this issue but that analysis was done from Qlikview

and these faults did not enter the TGW filter until the US17 product launch. If there is evidence of these faults occurring on AMT-D product please forward the information to Steven Talmadge in HAG.

New harness PN XXXXXXXXXX is scheduled for SOP W19XX and avail in AM W19XX.

Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected	3 1 0 TECU , Diagnostic tool , Control Housing , Ribbon Harness
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Function Group

Function Group	431 gearbox, manual
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Customer effect

Main customer effect	diagnostics/methodology , efficiency/abnormal behavior , fault code/display
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Noise	grinding
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Road behaviour	driveability
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Fault Codes And Error Codes

OBDII Diagnostic Trouble Codes (P, U, B Format)	P1058-17 , P1058-18
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Conditions

Vehicle operating mode	on start-up , when driving
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Frequency of occurrence of problem	random
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Administration

Author	UT9268H
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Dealer ID	UT9268H
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Last modified by	RU4469V
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Creation date	01-02-2018 15:02
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Status	Published
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NA_Reviewer	ut9268h
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NA_Author_Group	GTT
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Variantes Kola

RWX - TRANSMISSION	F SERIES
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