



Solution

Title (customer effect) Automated Manual Transmission (AMT - F) (I-Shift, mDRIVE) Clutch Valve Unit (CVU) Makes Intermittent Buzzing Noise With The Key On And Engine Off

Cause The CVU on the AMT - F Transmission may make an intermittent buzzing noise with the key on and the engine off.

Solution

Overview

The buzzing noise observed with key on engine off occurs due to low air pressure to the Transmission Electronic Control Unit (TECU). There may be concerns that the CVU will pulse intermittently as heard [here](#). When the key is turned on and the air pressure to the AMT-F Transmission is low, the TECU sees the low pressure and tries to move the clutch to determine if there is truly air pressure. The symptom continues until the unit is aired up.

Resolution

The latest TECU software update available eliminates the clutch activation function in these conditions and the noise associated with it. If the TECU software needs to be updated due to other issues, the symptom should no longer be present afterward. **However, since this is not considered a failure, the software should not be updated solely to eliminate the noise.**

Solution visibility [Dealer distribution](#)

Support Area Americas , CBR

Function(s)/component(s) affected

Function affected Documentation , AMT , transmission , engagement , CV electronic control unit , 3 10 TECU , MID 130 – TECU

Function Group

Function Group 132 key; shaft , 387 warning/information analysis and display; embedded diagnostic software , 413 clutch control , 431 gearbox, manual , 56 compressed air brake

Customer effect

Main customer effect noise , diagnostics/methodology

Noise hissing noise

Fluid problem leak

Fluid implicated air

Fluid pressure low pressure , normal pressure , zero pressure

Conditions

Vehicle operating mode when stationary , engagement

Frequency of occurrence of problem	always
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Location of problem	underneath cab
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Administration

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NA_MACK_Vehicle_Range

NA_MACK_Vehicle_Range	CHU , CXU , GU , M746 , M748 , Granite , TD
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NA_VOLVO_Vehicle_Range

NA_VOLVO_Vehicle_Range	VNX , VNL , VNM , VHD , VAH
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Engine family

Engine family	11L Engine , 13L Engine , MP7 , MP8
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Emission Standard

Emission Standard	2018 , OBD2017 , US17 GHG
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