



Volvo Chassis - I-Shift Transmission - Unable To Move The AMT Control Housing Shifters



> Internal Content

Dealers report that they are unable to move the shifters on the AMT control housing when fault tracing/inspecting for damage. This is being reported during the fault tracing or during the reassembly process when positioning the shift forks for reassembly to the gearbox. The gearbox did not have any faults related to a shifter that would not move.

Recommended Actions:

- The AMT shift assembly contains detents and blocking balls just like any other manual gearbox that prevents two shifters from being placed in gear at the same time. The front shifter (Splitter) does not have these balls since it is always in a gear when the unit is in use. The 2-3 shifter (middle shifter) and the 1-R (rear most shift fork) in the main gearbox do have these detent balls that prevent one from moving when the other is in gear.
- If one shifter is found to not move when trying to manually move the shifters or when using air directly on the shift ports under the TECU, it is due to the other shifter is in gear. Move the other shifter to Neutral and the one that was previously stuck should move freely now.
- If a shifter is truly stuck and will not move there will be a fault code for this. Diagnose using Tech Tool.
- If the shifter cannot be moved, perform 4000-07-04-01 Transmission, Calibration (Transmission Removed) with the shift cover assembly (GCU) on a bench with the forks facing up. Once calibrated perform 4000-08-03-11 Gear Activation, Control Housing (for Removal/Replacement) to put the shift forks in the proper position to reinstall the GCU.



Tags

[k71525140](#)

[volvo](#)

Related links and attachments

No links or attachments available



Feedback

[Give feedback](#)

to help improve the content of this article