



## Volvo Chassis - I-Shift Transmission - Diagnostic Trouble Code (DTC) P1060 74 / PPID 50 FMI 11 Clutch Protection Active - Message Being Seen In The Cluster



> Internal Content



### Overview:

- The I-Shift/mDRIVE is an automated manual transmission and not a traditional automatic.
- This transmission uses a push-type clutch and not a torque converter found in an automatic transmission
- The code setting conditions are Clutch slip more than 8.0 seconds with vehicle movement less than 32 in (0.8m) (example: hill holding event)
- Holding the vehicle on an incline or raising the engine rpm waiting at a traffic light or intersection without the vehicle moving will cause the clutch to slip unnecessarily and set this code
- Investigation has revealed there are no codes being set outside of the code setting conditions
- Additional information for the driver pertaining to these codes can be found in the operators guide

### Recommended Actions:

- The message displayed in the instrument cluster is meant to alert the operator and discourage this activity
- The vehicle should not be brought into the shop for this code alone, only if associated with other clutch control codes



Live UI should be no time spent troubleshooting this code as this is meant for the operator only

**If the IC is programmed after W16XX or the truck is built after W16XX the new message will apply. This does not apply to trucks built prior to OBD13. The new message is 'Excess Clutch Slip Detected'**



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