



Volvo Chassis - Hill Assist Holding On Flat Ground, Inclination Sensor Calibrating



> Internal Content

1. Program the TECU using Premium Tech Tool, Operation 1700-08-03-39 Program Electronic Control Unit under the Program tab.
2. Calibrate the transmission, Operation 4320-07-03-01 Transmission, clutch, engagement point under the Calibrate tab.

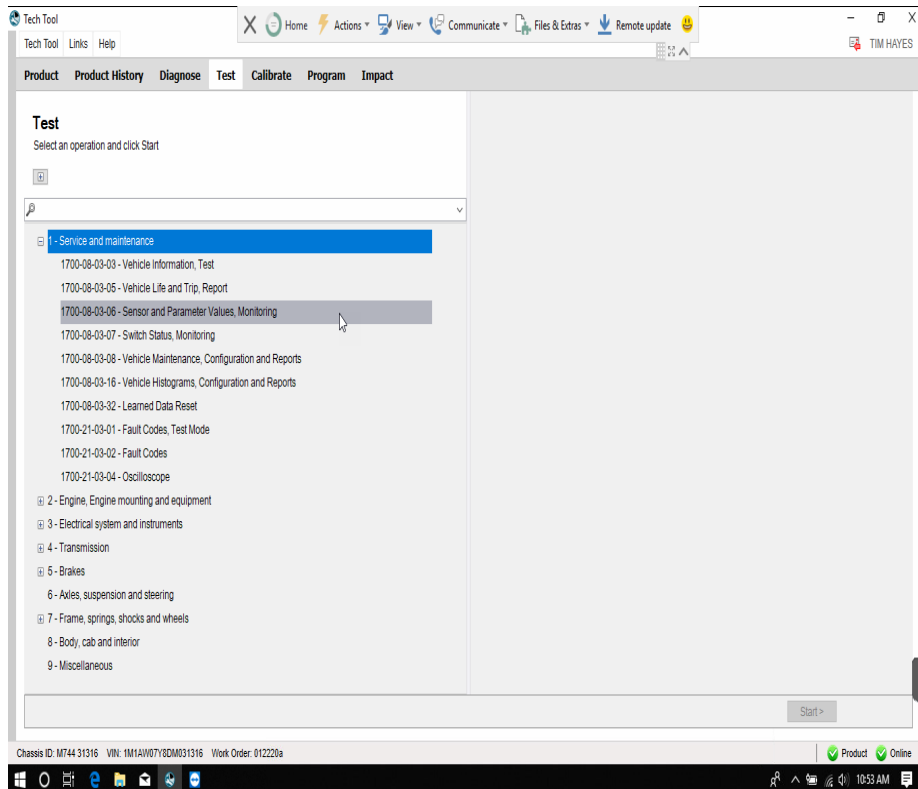
To calibrate the inclination sensor:

- **AMT-C** and **AMT-D** program the TECU and calibrate the transmission.
- **AMT-F** program the TECU only.
- Drive the unit 1 kilometer out and back using the same path.

When parking, ensure the vehicle is on flat ground.

Once the 1 kilometer road test has been completed log in to Tech Tool:

- Under the Test tab select the Service and Maintenance function 1700-008-03-06 Sensor and Parameter Values, Monitoring.



- **Select P1EU2[5] - Inclination Sensor (TECU).** With the unit parked on flat ground verify the inclination sensor is reading within $\pm 1.5^\circ$.

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CalibrateProgramImpact

Instructions

Signal

P1EVH - Transmission Valve Actuator Gearbox Brake (TECU)

P1EVI - Transmission Supply Air Pressure (TECU)

P1EVJ - Main Shaft Speed (TECU)

P1EVK - Countershaft Speed (TECU)

P1EVL - Transmission Oil Temperature (TECU)

P1EVO - Transmission Gear Selection Data Standing Still (TECU)

P1EVQ - Transmission Vehicle Inclination (TECU)

P1LCR - Cruise Control, Enable Underspeed During I-Roll (TECU)

P1MJJ - I-See, Over Crests, Max Vehicle Speed Decrease (TECU)

P1MJJ - I-See, End of Downhill, Max Vehicle Speed Increase (TECU)

P1EU2 - Transmission Gear Selection Data (TECU)

P1EU2[0] - Main Shaft Speed (TECU)

P1EU2[1] - Engine Speed (TECU)

P1EU2[2] - Front Axle Speed (TECU)

P1EU2[3] - Engine Torque (Point5) (TECU)

P1EU2[4] - Accelerator Pedal Position (TECU)

P1EU2[5] - Inclination Sensor (TECU)

P1EU2[6] - Relative Wheel Speed, Left Front (TECU)

P1EU2[7] - Relative Wheel Speed, Right Front (TECU)

P1EU2[8] - Relative Wheel speed, Left Rear (TECU)

P1EU2[9] - Relative Wheel Speed, Right Rear (TECU)

P1EU2[10] - Brake Pedal Position (TECU)

1700-08-03-06 Sensor and Param

Information >> Conditions >> Execution

Selected signals

P1EU2[5] - Inclination Sensor (TECU)



Tags

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ProductProduct HistoryDiagnoseTestCalibrateProgramImpact

Available updates

Software Package	Status
☐ Telematics GateWay (TGW)	Blocked

1700-08-03-39 Program Electronic Control Unit

Simulation

This operation shows all updates that are available for this product.

Select the software packages for the control units to be updated and then click Program to start.

To reinstall the same software version in a control unit, exit the operation and select the operation Replace hardware.

When multiple software packages are selected, there will be a request to run a key cycling after each package

Package status information

If a software package requires attention, a symbol is shown in the Status column

Blocked software package

The software package cannot be applied. Software packages can be blocked due to control unit data mismatches

Go to Product Identification and look for information about mismatches in Product Status

If you are interested in a software package that is blocked, and no reason for the block can be found in Product Status, then please contact help desk.

Control unit calibration

It may be necessary to perform calibrations after an Electronic Control Unit has been programmed

☒ I have read and understand the above advisory

Program >Cancel

Chassis ID: M748 37585VIN: 1M2AX07C9JM037585Work Order: 00000

Product

Online

4:03 PM12/22/2021