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Volvo Chassis - Equipped With An Automated Manual Transmission Model D or F (AMT-D, AMT-F, I-Shift) Missing X1 Value In VDA And Default Settings Guidelines, Parameter P1AOB; Fault Code P1052-54, Error 40, Or Error 18 Encountered During Clutch Or T

> Internal Content

If transmission or clutch calibration fails immediately after the operation is started following a clutch replacement or programming operation:

1. Disconnect the TECU from the chassis wiring harness.

2. Connect <u>directly</u> to the transmission with PTT using the appropriate adapter.

3. Perform operation 4000-07-04-01 Transmission Calibration (Transmission Removed), located under the Calibrate tab.

4. After successful calibration, reconnect the chassis harness to the TECU.

5. Run Operation 4320-07-03-01 Transmission, Clutch Engagement Point Calibration. Select Option B.

If the calibration is successful: The existing invalid X1 value has been over-written and the remainder of the repairs (if any) can be completed.

If the calibration fails again with the same error code for R1AAE routine: An eService case is required for additional assistance.

• The eService case MUST include:

- This Solution Number
- A description of the original customer complaint.

- A **<u>thorough</u>** description of all work performed up to the point of the case's creation.

Live UI A DTC Readout if codes are present, active OR inactive.

Article

- Any screenshots or photos that are relevant to this situation.



Related links and attachments

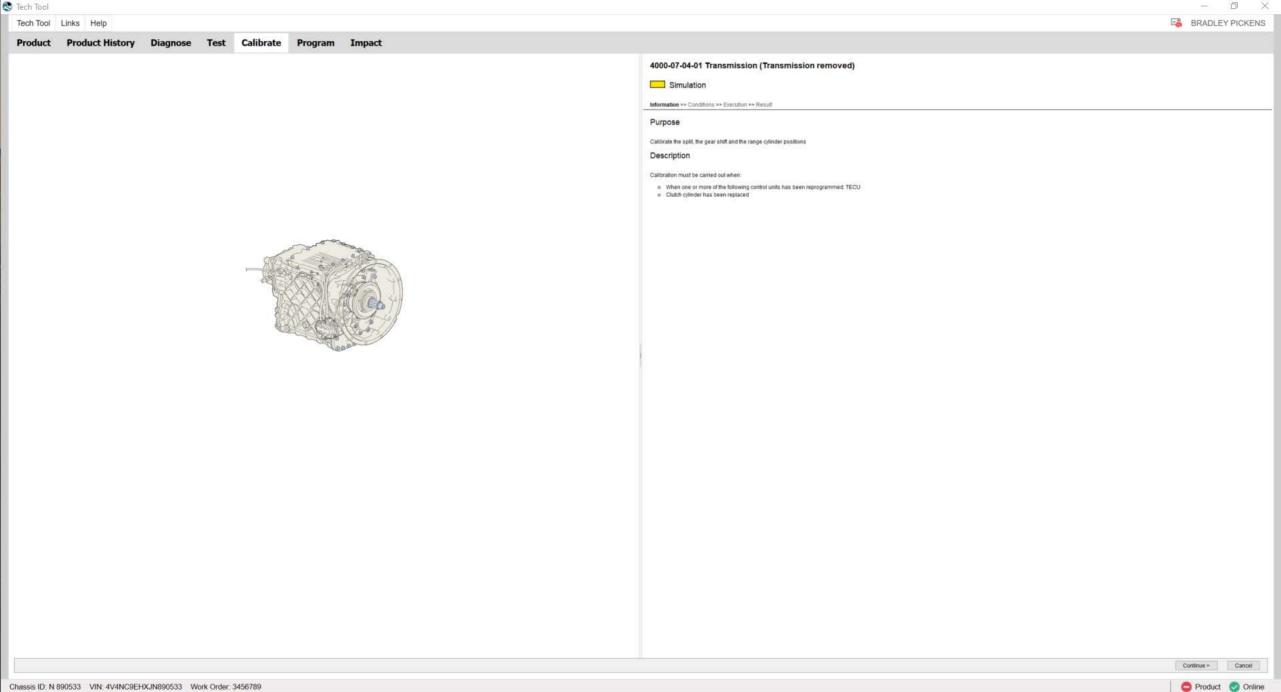
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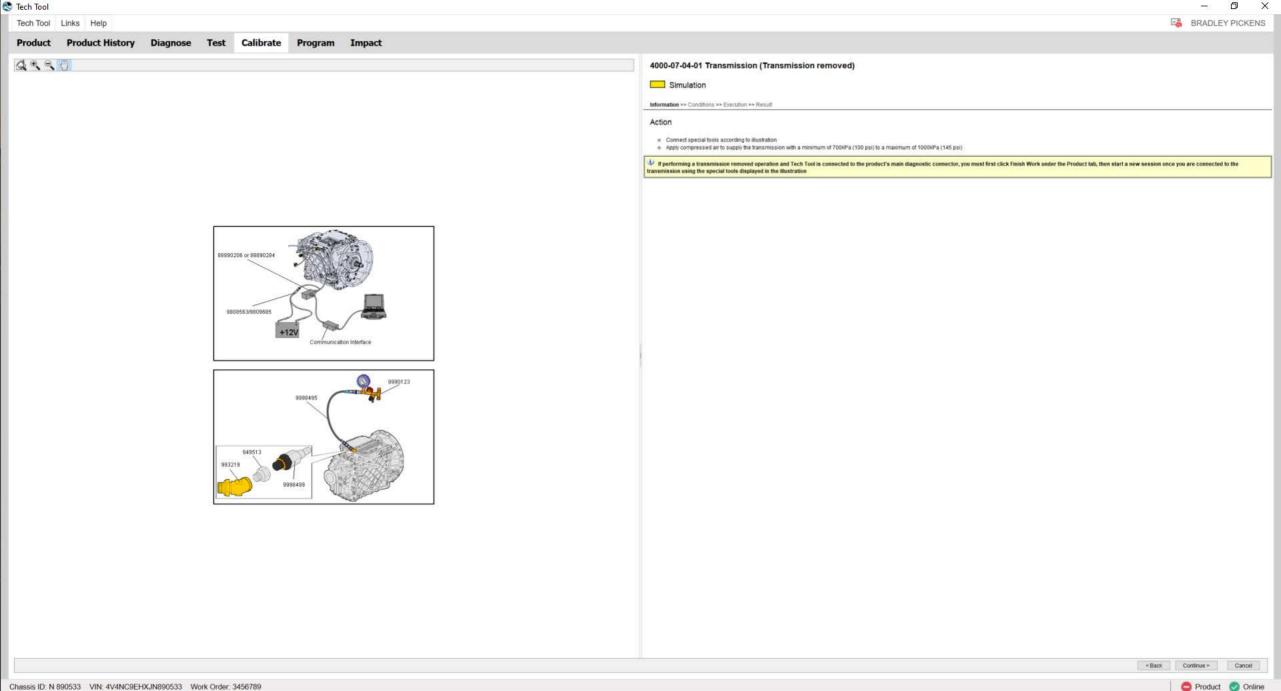


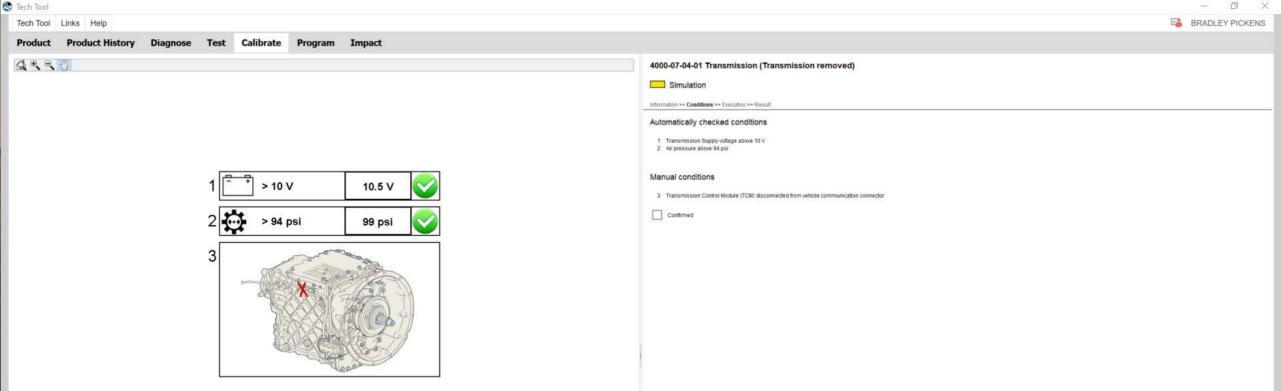
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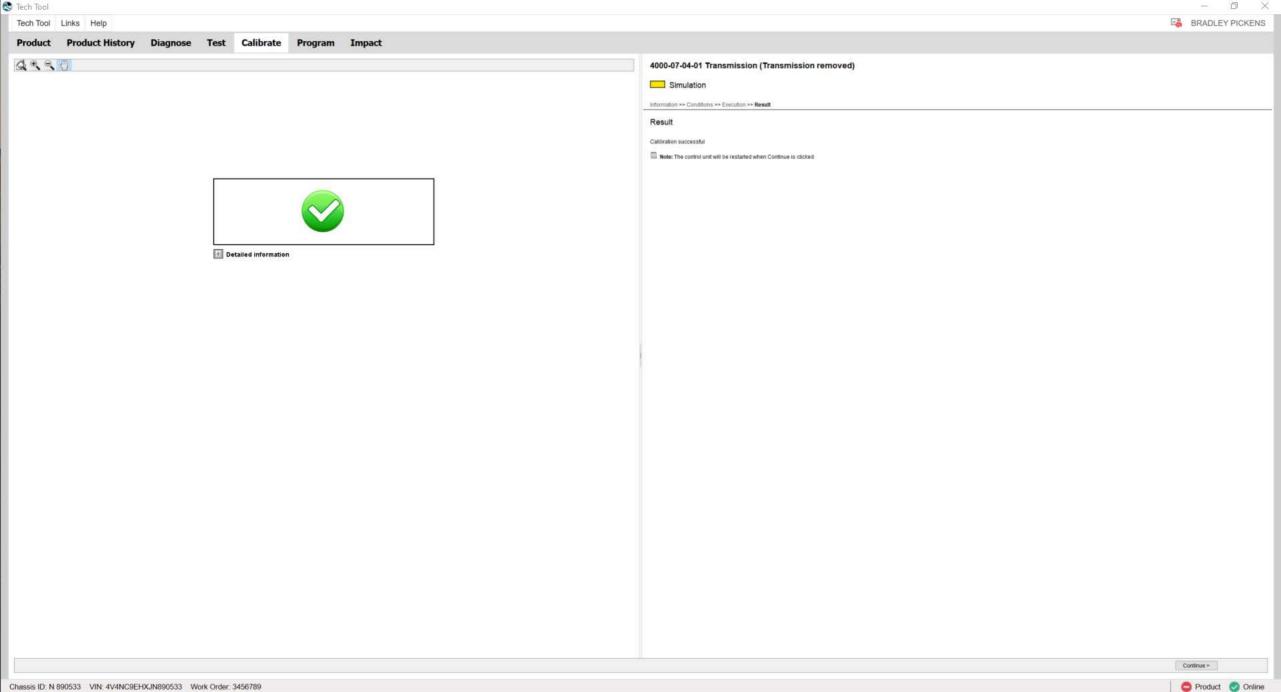


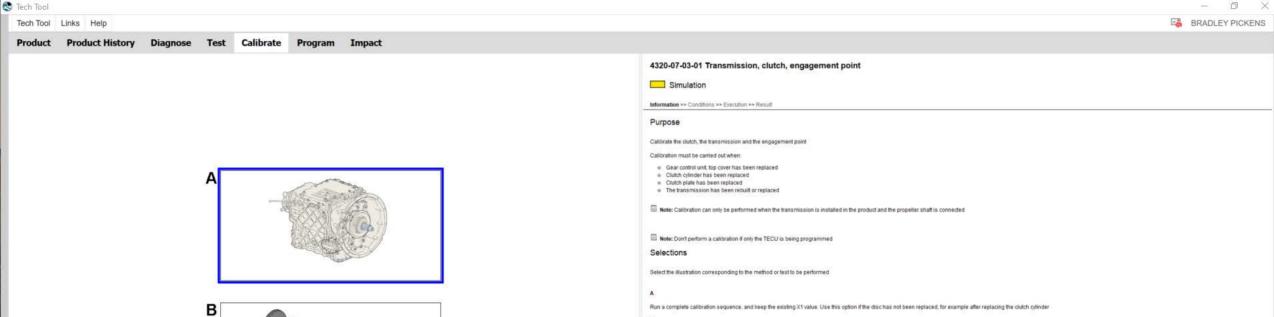






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Run a complete calibration sequence, and keep the existing X1 value. Use this option if the disc has not been replaced, for example after replacing the clutch cylinder

Run a clutch calibration sequence and set a new X1 value. Use this option after replacing the clutch plate

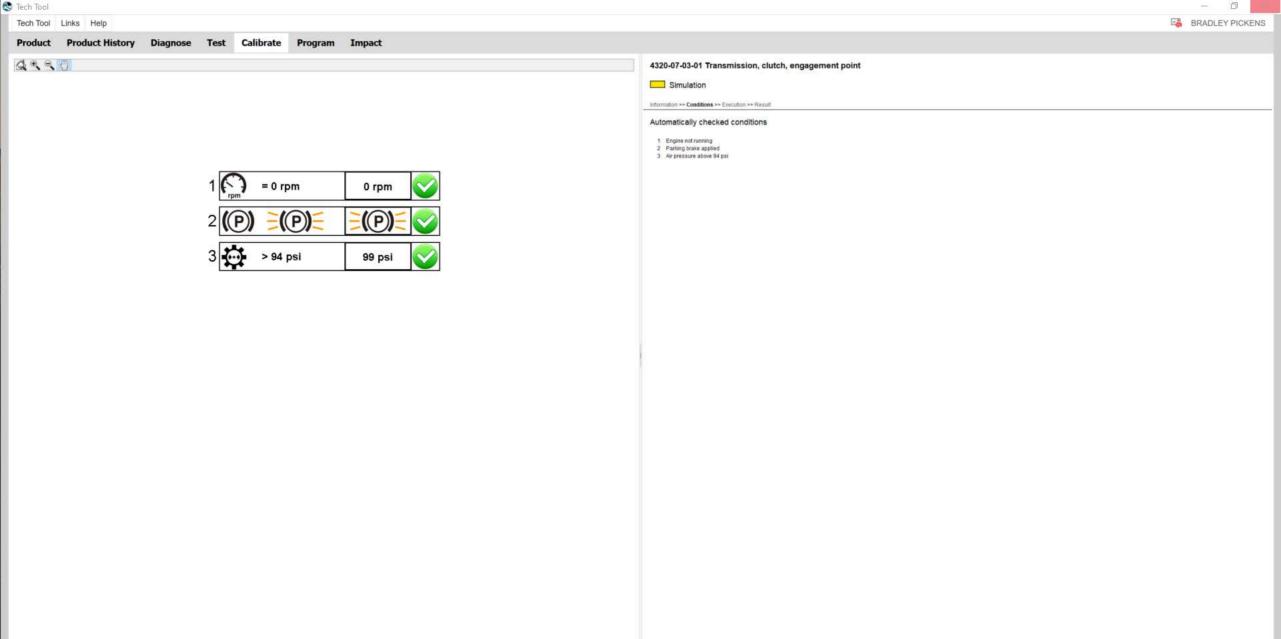
🔲 Note: When replacing the disc and the transmission or the TECU, run calibration sequence A first, then run calibration sequence B

Illustrations are used for reference only, may differ slightly from the actual vehicle The essential information in the illustrations is, however, always correct.

Chassis ID: N 890533 VIN: 4V4NC9EHXJN890533 Work Order: 3456789

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Product Product History Diagnose Test Calibrate Program Impact	
	4320-07-03-01 Transmission, clutch, engagement point
	Simulation
	Information >> Conditions >> Execution >> Result
	Result
	Calibration successful
	in Avec, the X value might vary singling verifiest execution due to unerent contactions, soci as on emperature, on a relatively new docur, these variances might cause an indication of a small register weat (x2 - x1). This is non-nar and not a rate Indication
Detailed information	
Clutch wear	
102 50.0	
20.0 50.0	
Service due position X1	
X1 Stroke length	
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