



Diagnostic Trouble Code (DTC) P10AE Logged In TECU With ACTIVE Or INACTIVE Status, Fault Code Cannot Be Cleared; Possibly Accompanied By P105817 And P105818 - US10+OBD13 And Newer Emissions (16-Pin Diagnostic Connector), Commonly Model Year 2014 An



Internal Content

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DO NOT PROGRAM THE TECU TO TRY TO RESOLVE THIS FAULT

1. If P10AE is ACTIVE and the engine will Crank and Run

NOTE: If P10AE is ACTIVE and the engine will not Crank and Run verify the truck has a minimum of 100 psi of air pressure. If the air pressure is below the minimum fill the air tanks until the air drier purges.

Main symptom: The clutch will remain disengaged if a gear is selected via the gear selector

1.1. Allow the unit to idle for 30-45 seconds.

1.2. Check the status of P10AE81.

1.2.1. If the code is still **active** after idling: The gearbox should be investigated for possible mechanical issues

1.2.2. If the code is **inactive** after idling: The code in this case was a ghost or intermittent fault. Items in Section 3 should be reviewed to confirm there are no other issues that need to be addressed.



...ate the vehicle if possible to evaluate mechanical condition.

3. Review the DTC Readout and follow the appropriate steps below:

3.1. If P10AE81, P105817 and P105818 all appear on the DTC Readout and are setting at the same time: Replace the ribbon harness, proceed to Section 4.

3.2. If P10AE81 is logged separately: Inspect for mechanical failure

3.2.1. If mechanical failure is noted: Repair as required. (A true mechanical cause for this fault will likely never pass the monitor and allow the fault to become inactive)

3.2.2. If there is no mechanical issue present: Replace the ribbon harness and proceed to Section 4.

• **NOTE:** High counts of P10AE81 with no indication of a mechanical issue make the internal transmission harness the likely cause.

4. Once the issue(s) has been corrected:

4.1. Start and idle the truck for 30-45 seconds.

4.2. Confirm P10AE81 is inactive.

4.3. Clear all of the inactive faults

4.4. Road test and release the vehicle to service.

 Tags

- [k64554358](#)
- [p1058-17](#)
- [p1058-18](#)
- [p10ae-81](#)
- [mid 130 psid 29 fmi 7 / p10ae81](#)
- [p105817](#)
- [p105818](#)
- [p10ae81](#)
- [mack](#)
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Categories 

- Make and Model > Mack > CXU/CHU/PI - Pinnacle
- Make and Model > Mack > TD - Titan
- Make and Model > Volvo > VN (Current)
- Make and Model > Volvo > VAH
- Make and Model > Volvo > VHD
- Emission Standard > US10+OBD13
- Emission Standard > US14
- Emission Standard > US17 > US17+OBD16
- Emission Standard > US17 > US17+OBD18
- Transmission > AMT > AMT-D
- Transmission > AMT > AMT-F
- Transmission > AMT > AMT-F with crawler gears
- Powerplant > Volvo > D11
- Powerplant > Volvo > D13
- Powerplant > Volvo > D16
- Powerplant > Mack
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