

**Mack Models**

Mack Model LR , TE - TerraPro , AN - Anthem , GR - Granite , PI - Pinnacle

Volvo Models

Volvo Model VNL , VNM , VNR , VNX , VAH , VHD

Engine family

Engine family Cummins

Emission Standard

Emission Standard US17 , 2018

**** SOLUTION ****

Title Cummins Powerplant - Fault Code SPN 1081 FMI 31 - Engine Wait to Start Lamp, Condition Exists - **Model Year 2018**

Cause The Engine Control Module (ECM) detected the received status of the Engine Wait to Start Lamp did not match the commanded status.

Solution **If the symptoms described above are encountered on a Cummins-powered vehicle:**

1. In Premium Tech Tool (PTT) under the Program tab, run Operation [1700-22-03-06 Accessory Kit](#).
2. In the Accessory Kit number entry field, enter **85154873**.
3. Click **Program**.
4. Allow the operation to complete and click **Exit**.
5. Verify that the fault code is no longer set at startup.

If the issue persists following programming:**Open an eService case. The case must include:**

- A description of the issue, this fault code, and any other relevant information, especially any other symptoms that may be present.
 - A description of work performed.
 - A complete, current DTC Readout.
 - This solution number.
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Internal comments (BO)

Parameter RJR tells the cluster what message to read for the wait to start lamp. RJR is set to 3 for Cummins shut down wait to start lamp and the value is set to 1 for Mack and Volvo Engines.

Solution visibility

[Dealer distribution](#)

Function(s)/component(s) affected

Function affected MID 140 – IC04 / IC05 , starting

Function Group

Function Group 30 general, complete vehicle software

Customer effect

Main customer effect calibration/programming/pairing/missing operation , stop/start

Lights/Messages on
information display Tell-tales and Icons

Fault code(s)

US10 Fault Codes SPN 1081 FMI 31

Conditions

Vehicle operating mode on start-up

Administration

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