



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



Internal Content

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INTERNAL BO COMMENT: 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.

NOTE: This article does not apply to Mack Medium Duty (MMD) trucks.

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. Program the Instrument Cluster (MID 140).
6. Verify that the fault code is no longer set at startup.

If the issue persists following programming:



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.

 Tags[k04404042](#)[spn 1081 fmi 31](#)[wait to start](#)[mack](#)[volvo](#)Categories [Make and Model > Mack > CXU/CHU/PI - Pinnacle](#)[Make and Model > Mack > LR](#)[Make and Model > Volvo > VNL](#)[Make and Model > Volvo > VNR](#)[Make and Model > Volvo > VNM](#)[Make and Model > Volvo > VNX](#)[Make and Model > Volvo > VAH](#)[Make and Model > Volvo > VHD](#)[Make and Model > Mack > MRU/TE - TerraPro](#)[Powerplant > Cummins](#)[Vehicle System > Instrumentation](#)[Make and Model > Mack > GU/GR - Granite](#)

Related links and attachments

No links or attachments available



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Programming Steps

Retrieving software part numbers

Reading out transferable parameters from affected Electronic Control Units

Downloading software from central systems

Programming Electronic Control Units

Programming parameters

Finalizing programming

1700-22-03-06 Accessory Kit

Enter an accessory kit number and click Program to apply the kit

Kit number:

Continue >

Cancel

Program

Select an operation and click Start



- 1700-08-03-39 Program Electronic Control Unit
- 1700-22-03-03 Parameter, programming
- 1700-22-03-02 System Date and Time
- 1700-22-03-06 Accessory Kit**
- 1700-22-03-11 Campaign
- 1700-22-03-12 Replace Hardware
- 1700-22-03-13 Program with Stored Software
- 1700-08-03-40 Handle Component
- 1700-22-03-14 Synchronize electronic control unit data
- 3810-22-03-10 Change Language
- 3837-22-03-01 Odometer programming

1700-22-03-06 Accessory Kit

It is not possible to run this operation in simulated mode

Description

The operation will program Electronic Control Units in the product according to what is specified in the Accessory kit



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

Start >