



## Trucks Equipped With A Cummins Engine - Engine Preheat Icon Does Not Illuminate In The Instrument Cluster (IC) During Engine Pre-heat (Intake Air Heater) Operation - Vehicles With 2018 Instrument Cluster Update, Model Year 2018 And Newer



> Internal Content

If the Preheat Icon does not illuminate while Engine Preheat is active as shown below:



### A. Update Instrument Cluster Software (SW) to enable the parameter.

1. In Premium Tech Tool (PTT), run Operation [1700-22-03-06 Accessory Kit](#). The operation can be found under the Program tab.
2. When prompted, enter Accessory Kit Number [85153771](#).
3. Press the Program button in the lower right-hand corner of the screen.
4. Allow the programming operation to complete.

### B. Set Vehicle (System) Date And Time.

1. Run PTT Operation [1700-22-03-02 System Date and Time](#). The operation can be found under the Program tab.
2. More information can be found in CBR Solution [K11533602](#).





Tags

[k42065042](#)

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### 1700-22-03-02 System Date and Time

Simulation

Information >> Execution

#### Purpose

This operation is used to read or program:

- System date and time
- Display date and time

#### Description

The system date and time is used for various functions such as the **DIC** time stamping

The display date and time is shown in the instrument cluster. The user can change this date and time by adjusting instrument cluster buttons

There are two methods to program date and time

- 1 Use local computer date and time settings (recommended)
- 2 Manually enter date and time

Continue > Cancel



1700-22-03-02 System Date and Time

Simulation

Information >> Execution

Automatically checked conditions

- 1 Parking brake applied



<b>Local computer date and time</b>	
	Tue Nov 30 11:28:46 EST 2021
<b>System date and time</b>	
	Sat Jan 01 00:00:00 EST 2000

### 1700-22-03-02 System Date and Time

Simulation

Information >> Execution

#### Action

1

Select date and time to program

- System date and time
- Display date and time

2

Select method to program date and time

- Use local computer date and time settings (recommended)
- Manually enter date and time

**Note:** Local computer date and time must be correct and set to the local time zone before programming

Save new date and time

3

After programming a new system date and time, verify that display date and time is correct. If it is not correct, program display date and time as well

#### Evaluation

- Ignition key in OFF position
- Wait 10 seconds
- Ignition key in ON position
- Does the new values appear as current date and time?

#### Test result

Select one of the following alternatives

- OK
- Not OK

Continue >

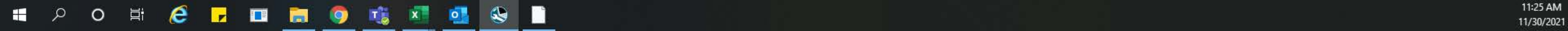
Programming Steps

- 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:





# System Date And Time, Information; Diagnostic Tool ( J-Pro, Premium Tech Tool ( PTT ) ) Displays Incorrect Timestamp For Diagnostic Trouble Code ( DTC ) / Fault Code Occurrences, Possible Data Link Codes Present - US07 And Newer Emissions, Common Mod



> Internal Content

## Overview

Incorrect time and date timestamps are caused when the Vehicle Date and Time are not set or set incorrectly. The Vehicle Date and Time are stored in the Instrument Cluster ( MID 140 ) and are separate from the Display Date and Time, which is visible on the Driver Information Display ( DID ).

Multiple modules have internal clocks that compare values with the Vehicle value. **Incorrect Vehicle Date and Time can result in conflicts between Control Modules, resulting in possible faults/codes. Examples are: Data Link DTCs, P2080, P2094 and P242B**

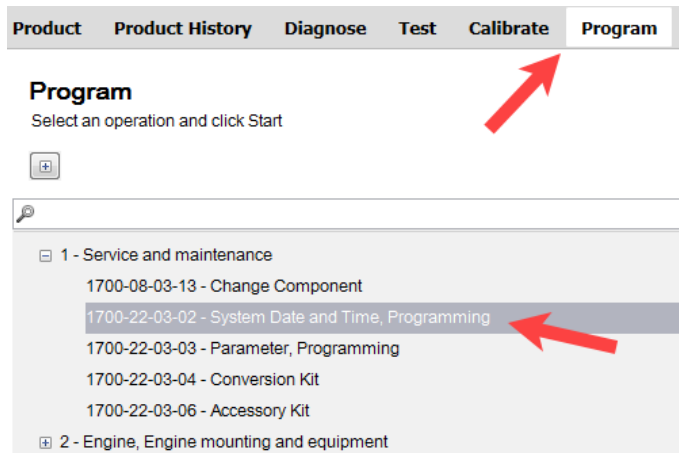
If the Instrument Cluster is programmed, the System Date and Time are cleared in many cases and need to be re-entered. System Date And Time will need to be checked after programming the Cluster using the programming operations described below.

## Repair

### A. Program the System Date and Time

- For Pre-OBD ( US07 and US10 Emissions, Model Years 2008 to 2013 with a 9-pin diagnostic connector ):

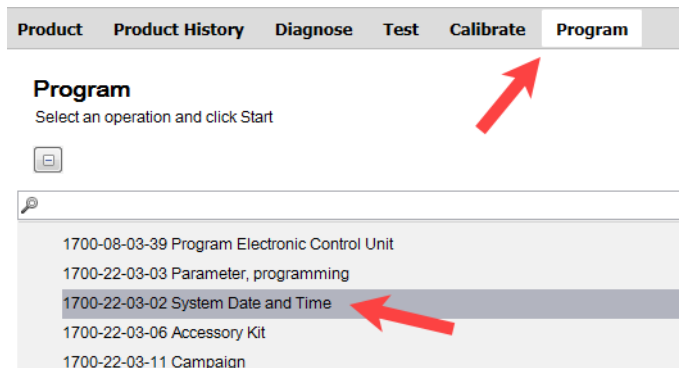
1. Run Operation [1700-22-03-02 System Date and Time, Programming.](#)



- **Note:** If the computer date and time is used (preferred method to manual entry), ensure that computer date and time are correct

**- For OBD ( US10+OBD13 Emissions, Model Years 2014 and newer with a 16-pin diagnostic connector:**

1. Run Operation [1700-22-03-02 System Date and Time](#).



- **Note:** If the computer date and time is used (preferred method to manual entry), ensure that computer date and time are correct



 Tags

- [p204900](#)
- [p208064](#)
- [p242b64](#)
- [mid 140](#)
- [k11533602](#)
- [p2049-00](#)
- [p2080-64](#)
- [p242b-64](#)
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