

DAIMLER TRUCK
North America



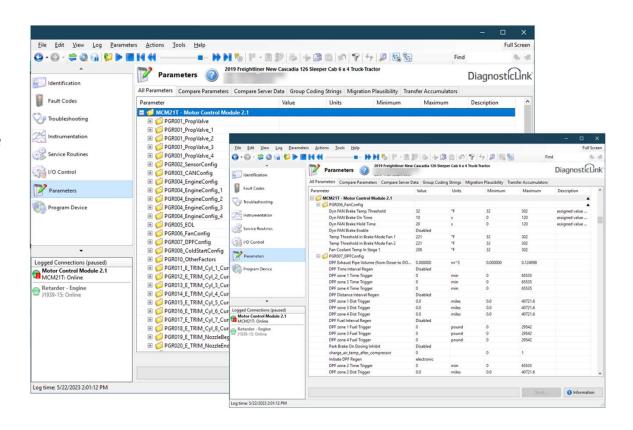
DiagnosticLink® 8.18 Features Summary

- Support for uploading the parameter data to summary log files after programming.
- Program Device support to store complete operation in one log file.
- Added Webview2 support for troubleshooting content display.
- Added Webview2 support to the Virtual technical tab.
- Support included for viewing PDF content in DiagnosticLink®.
- PTO Parameter panels included for DiagnosticLink® Professional and TEM use case.
- Injector Cleaning Routine panel made available for service diagnostics.
- · Clear Event log when panel is opened
- Support part number based parameters on parameter panels.
- Make ECU names become header of long lists.
- Techlane access made more visible in DiagnosticLink[®].
- Support included for new PCUMT50E controller.
- Increase the Connections list default window size.
- New Service Routine Dialog Panel: Clutch Learn Values Reset.
- Advanced 6x4 Dyno Service Routine panel changes.
- XMC Digital I/O Panel.
- Support included for eMobility panel updates.
- Extended CPC5 panel support for CPC502T.



Upload Parameter Data to Summary Log Files

- After programming, parameters are written to the Summary log file.
- Summary log files are uploaded to the server for the connected VIN.
- The parameters can be examined by opening the Summary log file in DiagnosticLink[®].

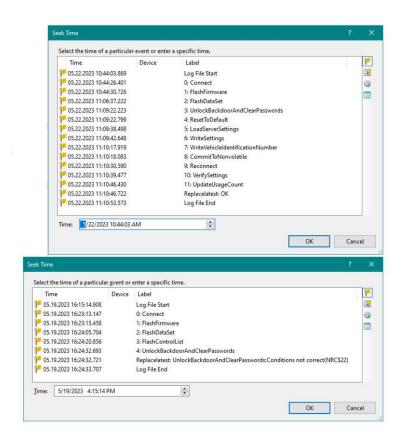




Program Device: Store Complete Operation in One Log File



- Below are several pain points when attempting to track down information about a programming operation in a log file:
 - Program Device would disconnect everything before starting. The programming operation would be processed with a few complete disconnects within.
 - These complete disconnects would result in multiple log files and thus, difficult to follow sequence.
 - The "steps" in the Program Device operation were not documented in the .DrumrollLog.
 - The final result was not documented in the .DrumrollLog.
- As an improvement, the .DrumrollLog is now held open for the duration of the Program Device operation. Each step is documented to the final result. This content is also present in summary files uploaded to the server.

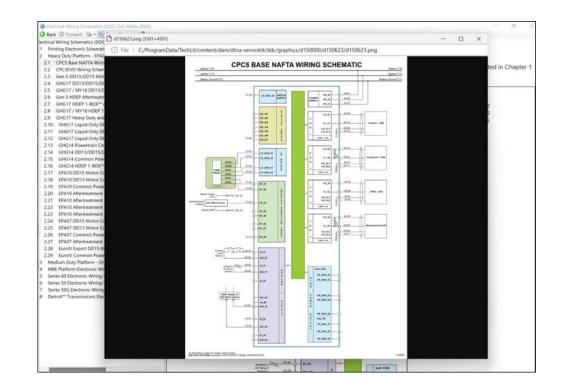


DiagnosticLink® Uses Internet Explorer (IE) for **Troubleshooting Material Display**





- In the past, DiagnosticLink® used IE to display and access troubleshooting material from TechLit.
- IE was end-of-life as of June 2022, and various messages would be shown by the operating system when using it.
- The embedded control within the DiagnosticLink® window had no issue, but links that would open a separate window would show a warning.
- DiagnosticLink® 8.18 now uses WebView2 (Microsoft Edge) to display troubleshooting content. This requires an extra download, but that is already required for TechLane access.



Virtual Technician Data Tab Migrated to Open in WebView2





- DiagnosticLink® now uses Microsoft WebView2 to display Virtual Technician web pages.
- WebView2 should be automatically installed on any devices running the most current versions of Windows 10 and Windows 11.
- If needed, WebView2 Runtime installer is available for download from Microsoft.



Support Included for Viewing PDF Content in DiagnosticLink®



- In the past, DiagnosticLink®
 required Adobe Acrobat to be
 installed to display
 troubleshooting PDF content.
 If not installed, an error
 would be displayed "Acrobat
 Reader not recognized".
- DiagnosticLink® no longer requires Adobe Acrobat to be installed to display troubleshooting PDF content.

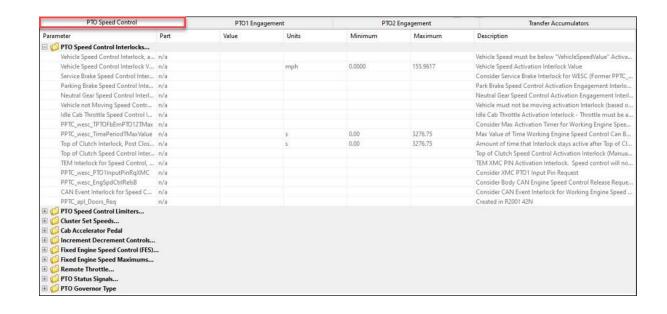






PTO Speed Control Panel

- CEEA+ New Parameter panel "PTO Speed Control".
- Existing "PTO" panel modified to not display for CPC302T & CPC501T.







PTO1 Engagement Parameter Panel

- CEEA+ New Parameter panel "PTO1 Engagement".
- Existing "PTO" panel modified to not display for CPC302T & CPC501T.

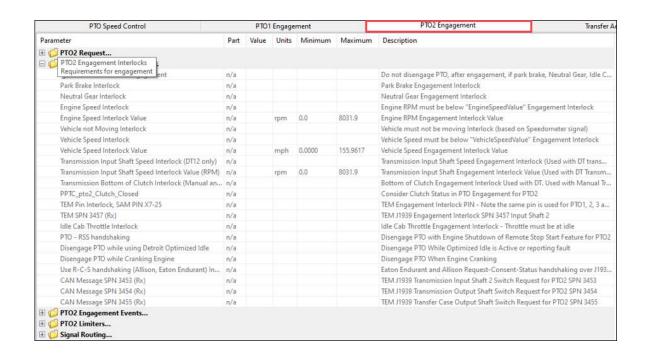






PTO2 Engagement Parameter Panel

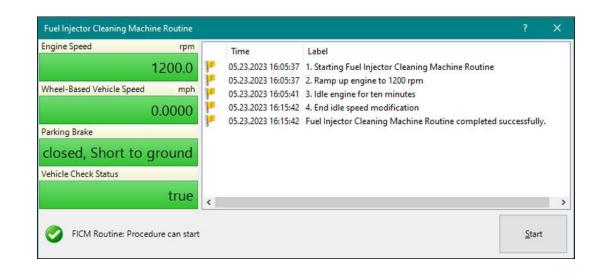
- CEEA+ New Parameter panel "PTO2 Engagement".
- Existing "PTO" panel modified to not display for CPC302T & CPC501T.





Injector Cleaning Routine Panel

- New Fuel Injector Cleaning Machine Routine panel added as part of Fuel Injector Cleaning maintenance.
- Applies to all HDEP equipped vehicles from EPA07 to present.





Clear Event Log when Panel is Opened

- When a diagnostic panel dialog is opened, the event log in the panel may show events from before the procedure was started (e.g. if the panel had previously been opened).
- The diagnostic panel dialogs will now only show events that have occurred since that panel was opened. Closing and re- opening a panel will clear that event history.
- History remains available when viewing a log file, or by viewing the event log in the chart control.

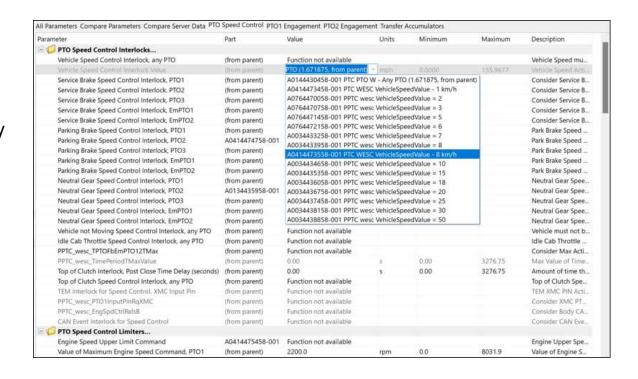




Support Part Number Based Parameters on Parameter Panels



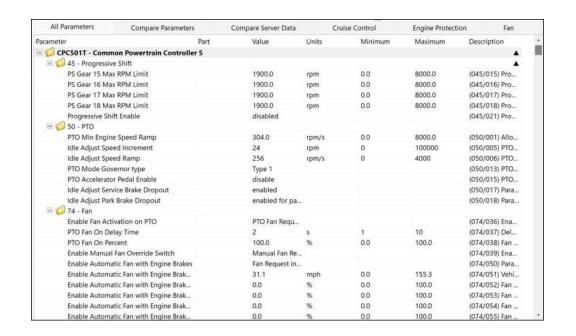
- This change adds the ability to fully support part number based parameters within custom/grouped parameter panels.
- Those panels were traditionally only defined for powertrain ECUs, but in 8.17SP1 some PTO panels were added, which exposed a limitation in the handling of SSAM parameters.
- The Part column will now display the correct content (formerly, this was always 'n/a').
- A choice is added to the editing dropdown to allow the user to select the parent group/domain value for a given parameter.





Make ECU Names Become Header of Long Lists

- As the number of items displayed in lists within DiagnosticLink® has grown, it has become difficult to keep oriented.
 Furthermore, when doing a search you sometimes have no idea if the item has been located in the correct ECU.
- DiagnosticLink® will now show any headings (ECU or group name) that are related to and preceding the selected item at the top of the window, . These headings remain "sticky" as the list is scrolled up and down.
- A visual indication is added to denote when the top item is not at the beginning of the group and the user can quickly navigate to the item at the actual top of the group by clicking on the heading.

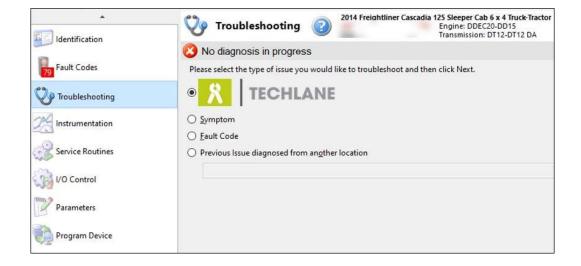






Techlane Access Point

 For easy visualization and navigation to the Techlane system for accessing the guided troubleshooting path, the Techlane image is embedded in the troubleshooting view for the Guided Troubleshooting option.

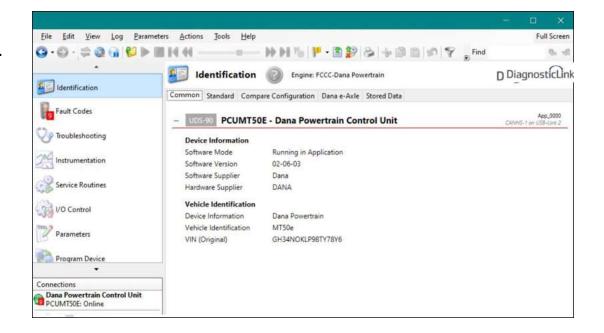






Support for PCUMT50E Controller

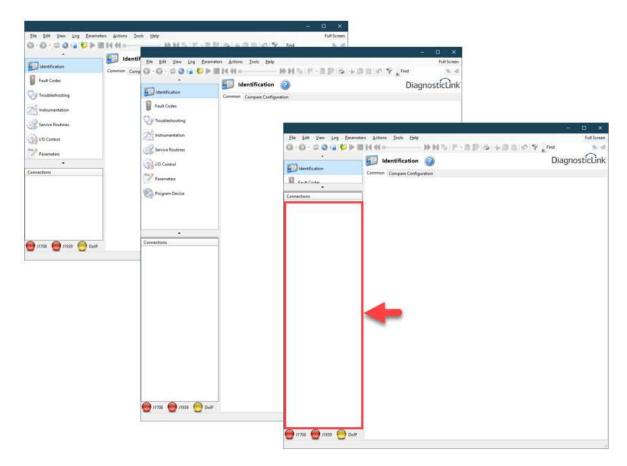
 Support included for PCUMT50E new controller.



Increase the Connections List Default Window Size



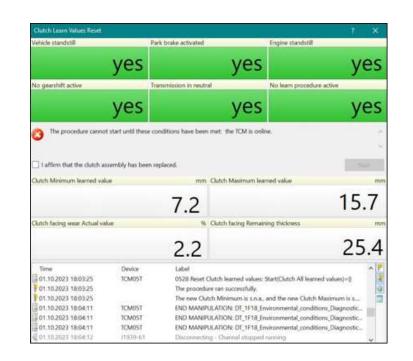
- The initial size of the Connections window is similar to the current version of the tool
- DiagnosticLink will remember the size of the Connections window and set it accordingly the next time the tool is opened



Service Routine Dialog Panel: Clutch Learn Values Reset



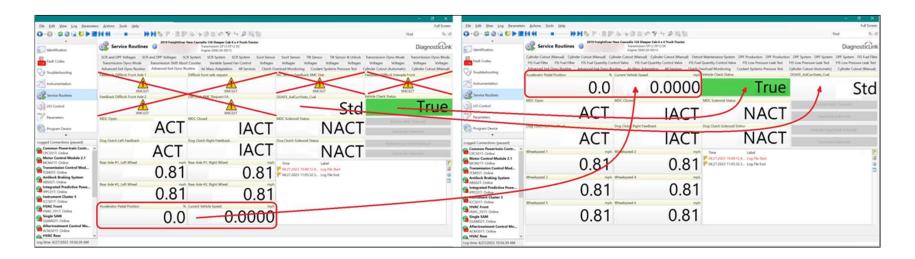
- This panel is used when a clutch has been replaced
- It resets the percent of the clutch facing wear and the clutch facing remaining thickness
- This panel was specified to work with the TCM05T, not the TCM01T



Advanced 6x4 Dyno Service Routine Panel Changes



- Two rows of instruments were removed.
- Instruments were relocated



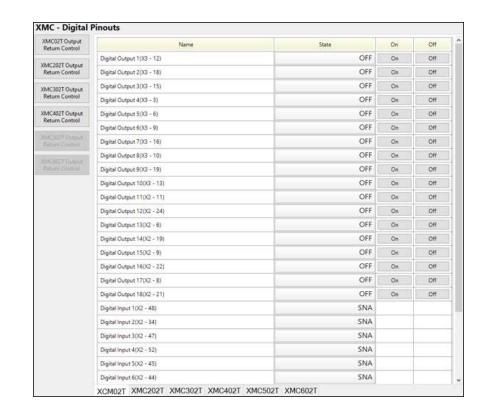






XMC Digital I/O Panel

- New XMC panel added.
- Tabs for each XMC ECU.
- Controls for each Digital Output.
- Instrument display for each.
- Digital Output & Digital Input.
- Single Return Control button for each XMC ECU.







EMG - Added Current Transport Lock Status

- EMG "Transport Lock Status" instrument added for each BMS ECU on panel.
- "HV Battery Safe to Ship".

1. Key off, wait 3 seconds and then press the e-stop button.									0.0000
2. Wait 3 seconds and then key on, internal isolation resistance can take up to 30 seconds to populate. 3. Once readings populate, key off, wait 3 seconds and then return e-stop to normal operation.								Parking Brake HV System	Set
BMS01T	Open	Open	Open	Closed	Closed	23746	3.650	22.5	unlocke
BMS201T	Closed	Closed	Open	Closed	Closed	23746	3.643	22.5	unlocke
BMS301T	Open	Open	Open	Closed	Closed	23746	3.648	22.4	unlocke
Battery #2	Aux. Contactor Negative	Aux. Contactor Positive	Precharge Contactor	HV Contactor Negative	HV Contactor Positive	Internal Isolation Resistance kOhm	Minimum Cell Voltage V	Maximum Temp String *C	Transport Loci
BMS401T	Closed	Closed	Open	Closed	Closed	23746	3.649	22.5	unlocke
BMS501T	Open	Open	Open	Closed	Closed	23746	3,640	22.5	unlocke
BMS601T	Open	Open	Open	Closed	Closed	23746	3.642	22.5	unlocke
Battery #3	Aux. Contactor Negative	Aux. Contactor Positive	Precharge Contactor	HV Contactor Negative	HV Contactor Positive	Internal Isolation Resistance kOhm	Minimum Cell Voltage V	Maximum Temp String *C	Transport Loci
BMS701T	Open	Open	Open	Closed	Closed	23746	3.631	22.4	unlocke
BMS801T	Open	Open	Open	Closed	Closed	23746	3.651	22.5	unlocke
BMS901T	Open	Open	Open	Closed	Closed	23746	3,645	22.5	unlocke

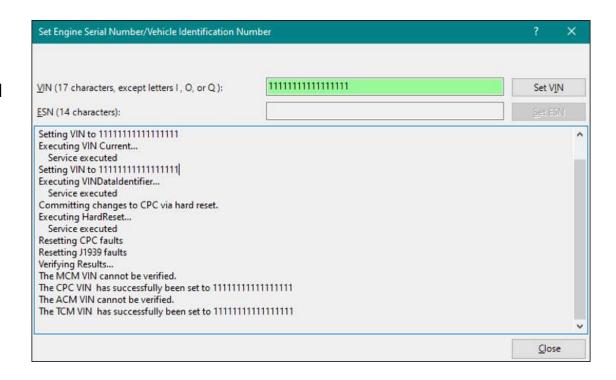


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Set ESN/VIN Service Routine Panel for CPC5ce (CPC502T)



- Western Star 45X CPC502T VIN setting now supported.
- Applies to all HDEP equipped vehicles from EPA07 to present.

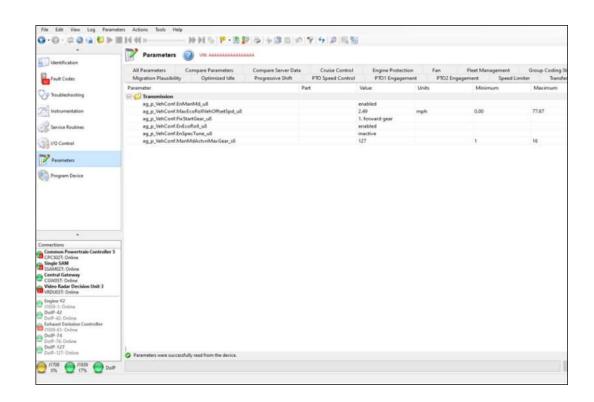






Parameter Panels for CPC5ce (CPC502T)

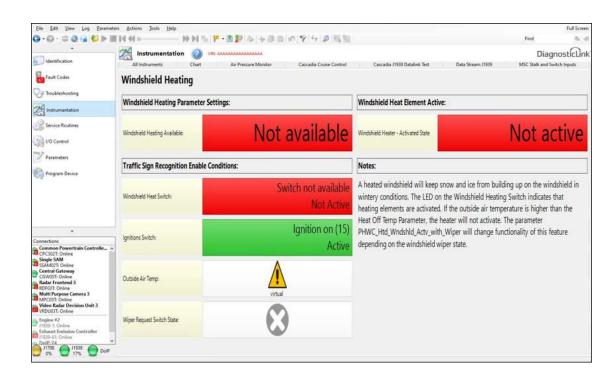
- The parameter panels below are now supported for CPC502T:
- Cruise Control
- Engine Protection
- Fan
- Fleet Management
- Idle and PTO Shutdown
- Optimized Idle
- Progressive Shift
- Speed Limiter
- Transmission



Instrumentation Diagnostic Panels for CPC5ce (CPC502T)



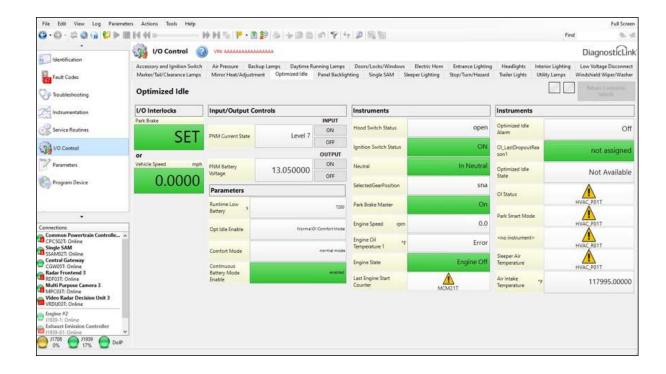
- The instrumentation panels below are now supported for CPC502T:
- Service and Park Break
- Switches
- Transmission
- Windshield Heating



Optimized Idle Input Output Panel for CPC5ce (CPC502T)



 The optimized idle service routine panel is now available for CP502T.



Engine Idle Shutdown Service Routine for CPC5ce (CPC502T)



 Engine idle shutdown service routine dialog is now available for CP502T.

