



Service Diagnostics & Tools — OlagnosticInk —

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DiagnosticLink® 8.19 Features Summary

- The help file will now be downloaded from the server when the tool is initially installed and a server connection is established. The tool can be used during the help file download.
- New Proximity Sensor panel added to monitor and troubleshoot the Obstacle Proximity Sensor Rear (OPSR01T).
- The Trailer Lights panel has been removed for eM2 (not applicable).
- The eTransmission Oil Pump Controls panel has been improved to display the correct number of visible oil pumps.
- Updates/enhancements included to eMobility panels to show the correct number of BMS:
 - HV Battery State of Health
 - HV Measurement
 - HV Battery Safe to Ship
 - Battery Management
 - Isolation Resistance Measurement
 - DC/DC Converter



DiagnosticLink® 8.19 Features Summary cont.

- Issue resolved where the Advanced Driver Assistance System (ADAS) Side Radar Calibration would fail for certain vehicles.
- The warning message for individual troubleshooting manuals have been removed and replaced for one generic message.
- The Enable MVCI Server checkbox has been added to DiagnosticLink® Professional via the Tools >
 Options > Server menu.
- The override of display precision is allowed where diagnostic instrument panel data is inappropriate for aftersales use cases.
- The Dyno Mode panel includes revisions.
- The Temperature and Speed Monitors include revisions.
- An eMobility Cruise Control panel has been added.
- An ePTO Diagnostic Instrument panel has been added for eMobility (eP4/eM2) diagnostics.
- A Low Voltage Instrument panel has been added.
- The Inverter Resolver Learn Procedure service routine panel has been modified. The number of resolver learn routines displayed is dynamically set by the number of Electric Motors (EmotNum parameter).



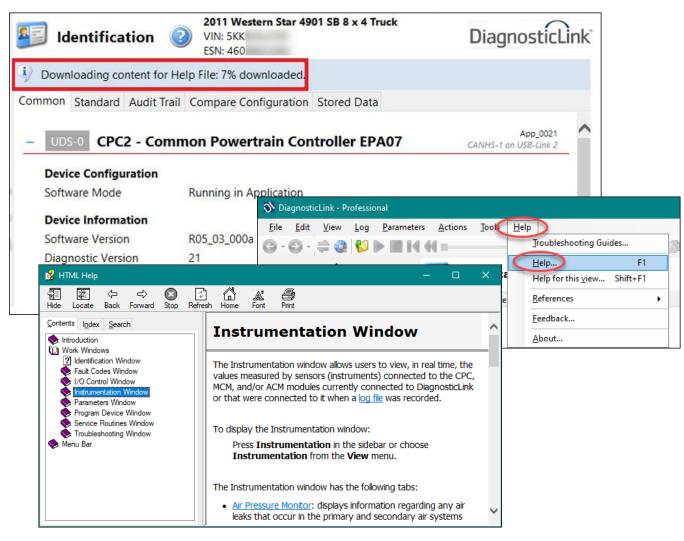


DiagnosticLink® 8.19 Features Summary cont.

- The eDrive Temperature and Speed Monitoring instrument panel has been modified. The number of motors and inverters displayed is dynamically set by the number of Electric Motors (EmotNum parameter) and the number of inverters.
- An AC Clutch Function instrument panel has been added for M2+.
- An EMG MSC Switch inputs panel has been added.
- The HVIL Interlock instrument panel includes revisions. Instruments now dynamically display based on configuration.
- A warning display has been added for routines that have high exhaust temperature.
- The High Voltage Measurement panel includes revisions to display the correct number of BMS and inverters.
- The CBF files have been updated for powertrain, chassis, EMG powertrain, ECPC01T for R23.3 final 2, and SAS03T.

Help File Download Feature

- Upon the initial install, when a server connection is established, DiagnosticLink® will now download the help file from a server location.
- This will provide better support, allowing the help file to be updated independently of DiagnosticLink® releases as well as a smaller DiagnosticLink MSI installer.
- The help file download progress will be displayed when a new help file is released.

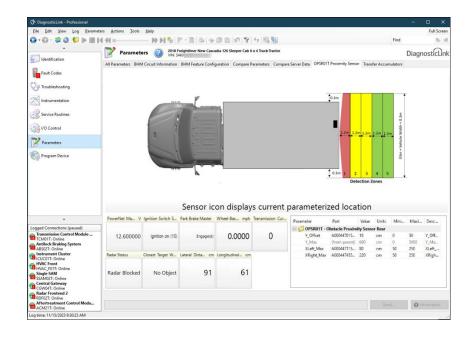


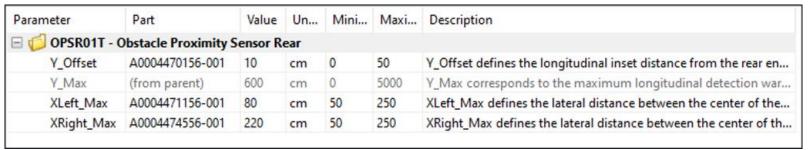




OPSR01T Proximity Sensor Panel

- The OPSR01T Proximity Sensor panel is used to monitor and troubleshoot the proximity sensor.
- The black rectangle is positioned on the selected parameter values.



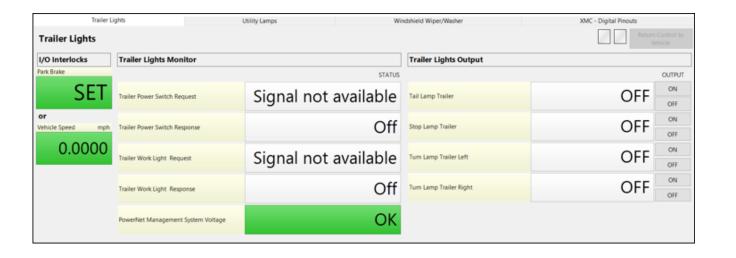






Trailer Lights Panel Removed for eM2

 The Trailer Lights panel has been removed for eM2 (not applicable).

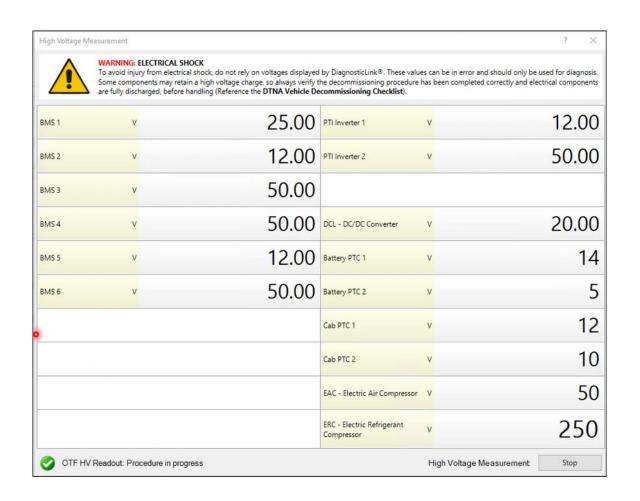






Updates/ Enhancements to EMobility Panels

- Updates/enhancements included to eMobility panels to show the correct number of BMS:
 - HV measurement
 - HV Battery Safe to Ship
 - Battery Management
 - Isolation resistance measurement
 - DC/DC converter
 - HV Battery State of Health

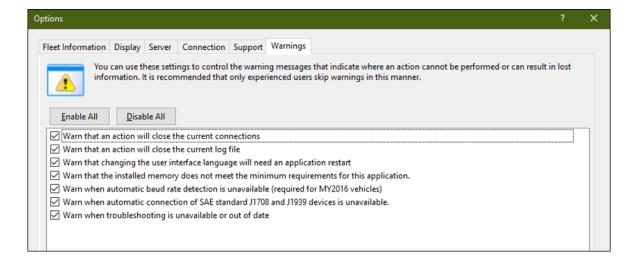






Warning Message for Individual Manuals

- The warning message configuration for individual manuals have been replaced with one generic message.
- When checked, DiagnosticLink® will display the yellow warning banner.

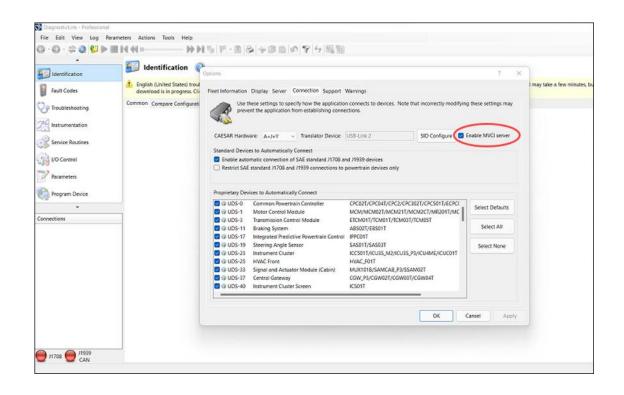


English (United States) troubleshooting content (Power Service Literature, Chassis Literature) is missing and needs to be downloaded. This requires an internet connection and may take a few minutes, but you may continue working while the download is in progress. Click here to download this content now.



Enable MVCI Server Checkbox

- The 'Enable MVCI Server' checkbox is present and checked for DiagnosticLink® Professional.
- This feature is required to connect to future ECUs

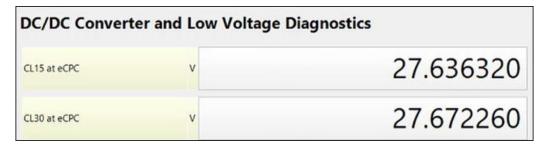




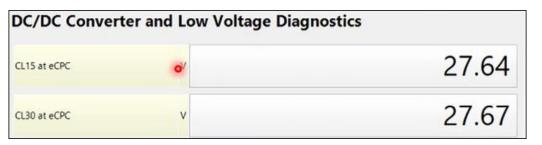
Override of Display Precision

- The override of display precision is allowed where diagnostic instrument panel data content is inappropriate for aftersales use cases.
- The mapping file can be updated for DiagnosticLink® to modify precision value of a decimal amount from qualifier on an Instrumentation panel.

Before



After

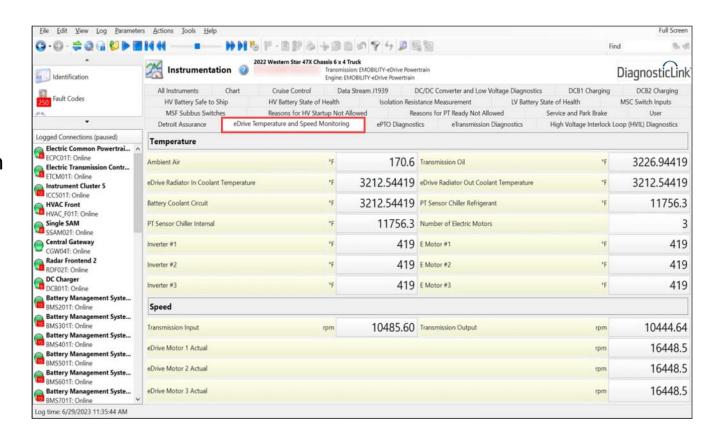






eDrive Temp and Speed Monitoring Panel

- The eMobility Instrument panel has been modified for eP4/eM2.
- The number of motors and inverters displayed is dynamically set by the number of Electric Motors (EmotNum parameter) and the number of Inverters.

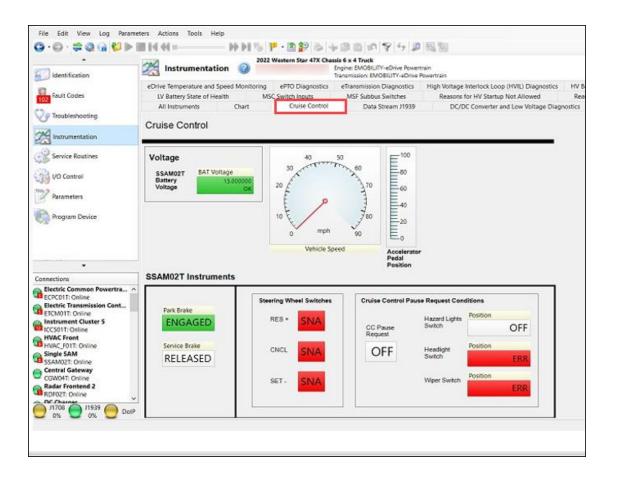






eMobility Cruise Control Panel

 A new Cruise Control panel has been added for eCascadia and eM2 troubleshooting.

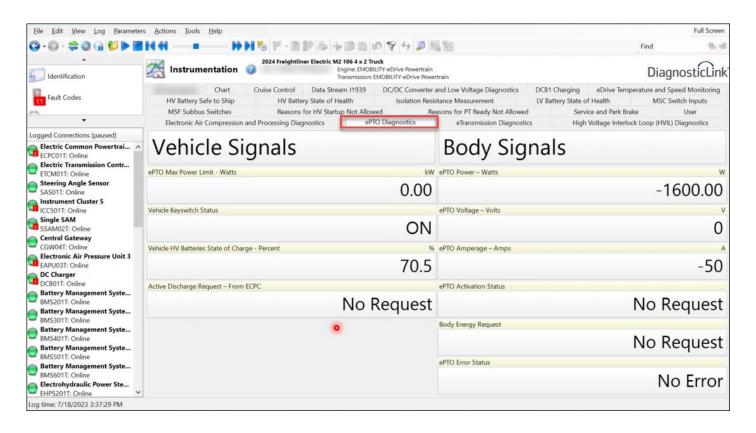






eMobility ePTO Diagnostics

 A new ePTO Diagnostics Instrument panel has been added for eMobility (eP4/eM2) diagnostics.

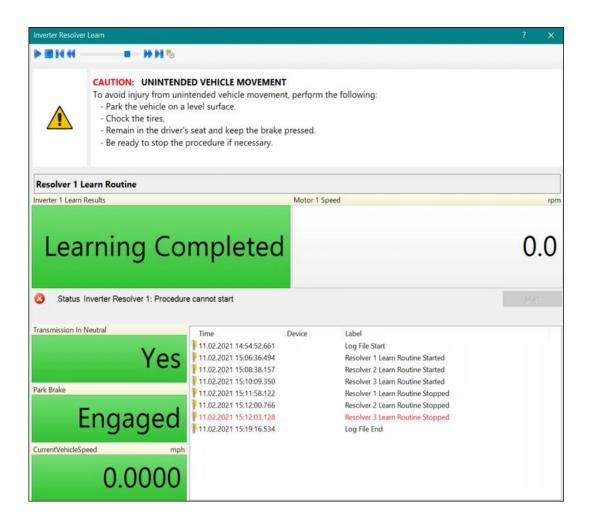






Inverter Resolver Learn Procedure

- The Inverter Resolver Learn
 Procedure Service Routine panel has been modified for eMobility (eP4/eM2).
- The number of Resolver Learn
 Routines displayed is dynamically set
 by the number of Electric Motors
 (EmotNum parameter).

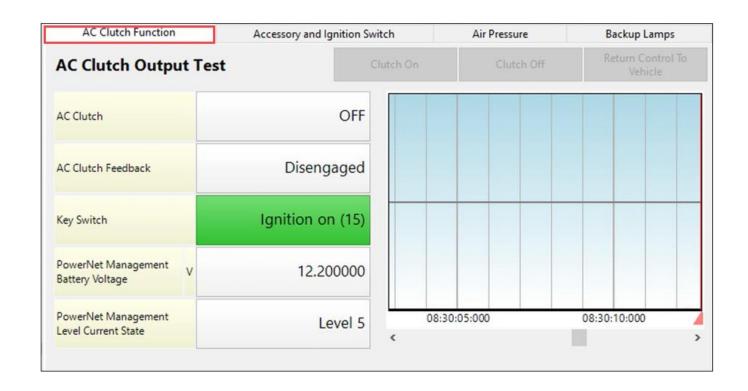






AC Clutch Function Panel

- A new AC Clutch Function Instrumentation panel has been added for M2+.
- The instrumentation and controls are sourced from SSAM02T for M2+.

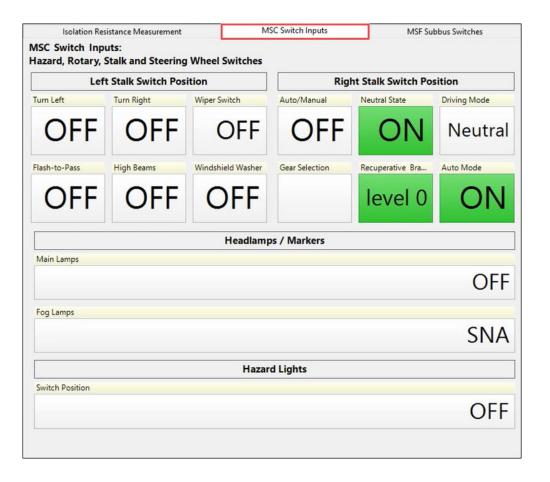






EMG MSC Switch Inputs Panel

 A new EMG MSC Switch Inputs panel has been added for eMobility.

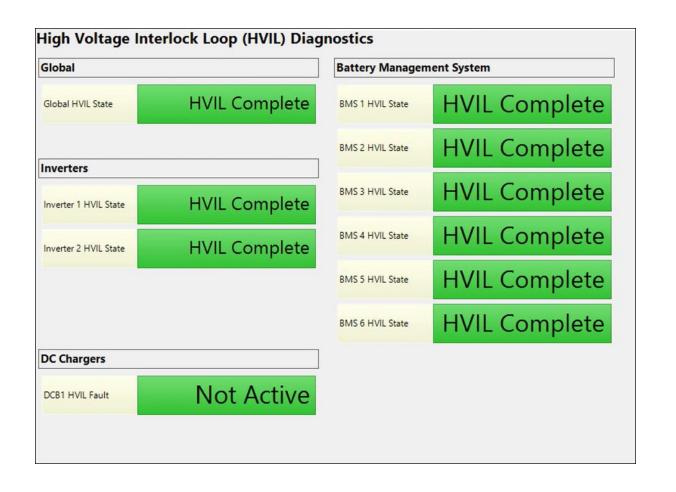






High Voltage Interlock Loop (HVIL) Diagnostics

- The HVIL Interlock Loop panel includes revisions. Instruments now dynamically display based on configuration:
 - Inverters (e.g., 2 inverters shown).
 - Batteries/Layers (e.g., 3 batteries 2 layers shown).
- DC Chargers now display aggregate of fault codes 2DB700, 2DB900, 2DBA00 (Active = any fault present).

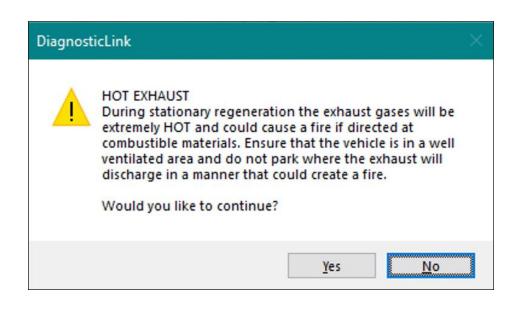






Warning Display Added for High Exhaust Temp.

- A warning display has been added to DiagnosticLink® for Service Routines with high exhaust temperature.
- "HOT EXHAUST" warning dialog has been added to all applicable panels:
 - Parked Regeneration
 - NOx Verification Procedure
 - Desaturation Routine
 - SCR Efficiency Test
 - Perform Performance Check Low Temp ATD
- Acknowledgement recorded in log file.







DiagnosticLink® 8.16 and 8.17 To be Sunset

- In the past, DiagnosticLink® was supported up to two versions back.
- Due to the complexity and increased number of logical controllers, the number of supported versions of will be reduced to one version back starting with the release of DiagnosticLink® 8.19.
- On January 9th, 2024, an update patch will be released which will include a reminder for all users of versions 8.16 and 8.17 to update to version 8.18 or later.
- On **February 6, 2024**, DiagnosticLink® versions 8.16 and 8.17 will be sunset.
- It is imperative to inform your customers to update their workstations to the latest version to maintain a working copy of the tool.







Cummins INSITE License Renewal 4/1/2024

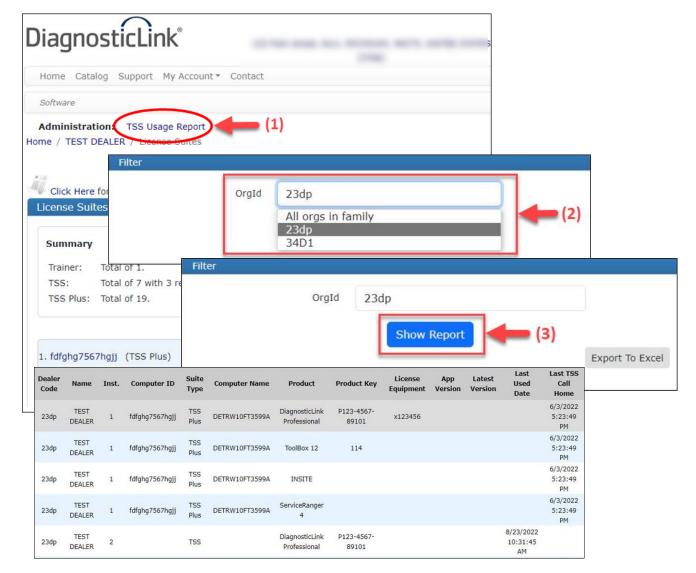
- To help improve the renewal process, a change request has been submitted to Cummins in which the Cummins INSITE licenses can be extended by a year. This means the expiration dates of the existing Cummins INSITE licenses can potentially be extended from the current expiration date of 4/1/2024 to 4/1/2025.
- More details to follow on the progress of the change request .



TSS Usage Reports

- The TSS Usage Report will be accessible to order system IT Administrators in the next web site update (eta January 2024). The report provides TSS/TSS Plus license usage information
- To access the report, the order system IT Administrator must logon to the order site.
 - 1. Click TSS Usage Report.
 - Select the dealer code or All orgs in family.
 - 3. Click Show Report.

For Support, email: DTNASSD@Daimlertruck.com.

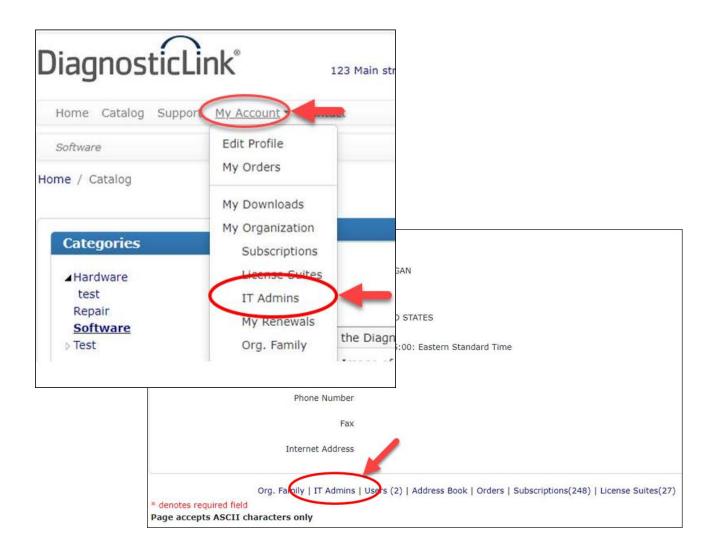






Locate the Order System IT Administrator

- If the order system IT
 Administrator (Admin) role is
 assigned to an org family,
 certain features will be limited
 to the admin only such as
 transferring a TSS license suite
 or upgrading a license suite to
 TSS Plus.
- To locate your dealer's order system IT admin (if assigned), logon to the ordering site and click My Account > IT Admins or, click the IT Admins link at the bottom of the page when viewing your org.

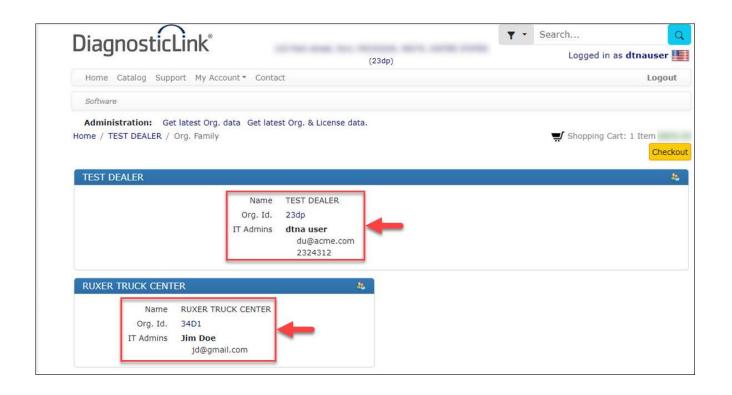






Locate the Order System IT Administrator (cont.)

 A hierarchy of orgs listing the order system IT Admins will be displayed.









Nexiq USB-Link 3 Updates

 The Nexiq[®] USB-Link 3 device driver update has been made available to download from the Nexiq.com product site:

Release Notes:

- Added draft RP1210 and J2534
 DoIP Support
- Added draft RP1210 and J2534
 CAN FD / ISO15765 FD Support
- Added ability to update gray PLC adapter firmware



