



**No.: 16 CSA-6**  
May 5, 2016

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **Release of DiagnosticLink® 8.04**

### **SUBJECT DETAIL**

On Thursday, May 5, 2016, DiagnosticLink® 8.04 Standard and Professional will be available to download from the DiagnosticLink® ordering system. Current subscribers of DiagnosticLink® 8.02 or 8.03 must upgrade to DiagnosticLink® 8.04 at no cost. All DTNA service shops are required to maintain the latest version of software on each of their stations.

**Important Note: Any authorized DTNA service facility servicing GHG17 units must have, at minimum, DiagnosticLink 8.03 SP1 or higher installed!**

This release will support the following new features and updates:

- Support for GHG17 Medium Duty (MD) production software release:
  - MCM21T - M9.1.2.3
  - ACM21T - E9.56.0.0
  - CPC04T - R36\_00\_000a
  - CPC302T - 26.83.28
  - TCM01T - NAMT095500
- Windows 10 Compatibility:
  - DiagnosticLink 8.04 is Windows 10 32-bit and 64-bit compatible.
- Upgraded DRS (DDEC Reprogramming System) version 6.30 included:
  - Fixed the issue where "Engine Service Hours" couldn't be set to zero after flashing the ECM software Added MR2 24C software support
- New Optimized Idle instrument panel:
  - Used when the truck is parked for hours, such as overnight.
  - Monitors conditions, starts engine when needed and shuts engine off when not needed.
  - Saves fuel and reduces operating expenses.
  - Reduces noise.
  - Reduces dead batteries from accessories drawing power when the engine is off.
- Update to Parked SCR Efficiency Test operation:
  - To start the Parked SCR Efficiency Test, the operator will now be prompted to depress the manual regen switch on the dash.

- GHG17 MD updated panels:
  - DEF Coolant Valve
  - SCR ADS Self Check
  - DPF Ash accumulator
  - Soot Sensor
  - Relative compression test
- GHG17 MD newly added panels:
  - EGR Lambda Sensor - (EGR Lambda Sensor Replacement)
  - EGR Valve replacement - (EGR Valve Replacement)
  - Voltages and SCR
  - Voltages
- Next Generation Cascadia (NGC) preliminary standard support:
  - Identification view information
  - Fault code display
  - Instrumentation data
  - Parameter view display
  - CPC3 EVO (most of the panels needed to support CPC3 has been included)
  - NGC pre-support for vehicle ECUs (SSAM02T, CGW04T, ICUC01T, HVAC-F01T, HVAC-P01T, HVAC-R01T, VRDU02T, RDF02T, MPC01T, and ABS02T).
- NGC instrument panels included:
  - Cruise Control
  - Engine Brake
  - Switches
  - Transmission
- NGC steering wheel / stalk switches panels included:
  - Status is shown for steering wheel switches and stalk switches
- NGC HVAC panels Included:
  - Control of all HVAC options (front, rear, and Parksmart)
  - Offers I/O control and diagnostic of measured values
- NGC service routine panels included:
  - DDECDataPages
  - Detroit Assurance ABA Misuse Reset
  - Detroit Assurance Radar Alignment (Stationary)
  - Detroit Transmission Dyno Mode
  - DTNA Production MPC1 Calibration
  - DTNA Production MPC1 Calibration with Target
  - DTNA Production Progressive Shift Enable
  - HC Doser
  - ICUC Auto Configuration
  - MPC1 Calibration for Service
  - Real-time Clock
  - Rating
  - Set ICUC Odometer
- Generic J1939 Data Stream panel included:
  - The information is determined by the "SPN Support" (DM24) message reported by the ECU.

- The panel would be displayed for all engine types that support DM24 (including third-party engines).
- DiagnosticLink® will now prioritize information in the instrumentation and chart list. Commonly used information becomes quicker to access.
- A five-second delay is now enforced on the advanced diagnostics troubleshooting dialog. The Next button will now be grayed out for five seconds with a countdown timer. After five seconds, the Next button will become available. This will help reduce required steps from being skipped or missed.
- Support for setting of the odometer in the ICUC01T for NGC is included.
- The registration key and computer description will be saved if the tool has expired, been reinstalled, or upgraded to a newer version.

For more details regarding DiagnosticLink® 8.04 new features, please visit <http://ddcsn-ddc.freightliner.com/>. Navigate to Tools, Electronics, Electronic Tools Updates, DiagnosticLink® 8x, and click DiagnosticLink 8.04 Features.

Please refer to [15 CSA-25](#) for ordering information and instructions.

## UPGRADE INSTRUCTIONS

**NOTE: You must have a current DiagnosticLink® subscription in order to upgrade to version 8.04 at no cost.**

1. Disconnect any interface devices from the computer USB port such as the Nexiq USB-Link cable.
2. Uninstall previous version of DiagnosticLink®, such as version 8.02 or 8.03 from Windows Control Panel Programs.
3. Login to <https://diagnosticlink.nexiq.com>.
4. Go to My Account, My Organization, and select Subscriptions.
5. Click the eyeglass icon under subscription area.
6. Click on the download DiagnosticLink 8.04 button.
7. Save the install package file to desktop.
8. Double click install package file (zip file).
9. Double click Setup.exe to run the DiagnosticLink 8.04 installer and follow the setup guide.

## Update to Latest Device Drivers

It's important to check the OEM website for the latest interface device drivers and firmware updates. For example, owners of the Nexiq USB-Link 2 hardware should visit [www.nexiq.com](http://www.nexiq.com) Support and Drivers page to download and install latest driver version 2.2.0.19 or higher. The latest driver update includes improved communications to

## CONTACT INFORMATION

Please contact the Detroit Customer Support Center at 800-445-1980 or email [csc.software@daimler.com](mailto:csc.software@daimler.com) if you have any questions.