



StarSCAN® & StarMOBILE™ Release Notes — 6.06

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Dealer Technical Operations
CIMS 486-02-60
Global Service Diagnostics
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Auburn Hills MI 48326-2766

StarSCAN® Application Ver.: 6.06
StarSCAN® Operating System Version: 1.55
StarMOBILE™ Application Ver.: 6.06
StarMOBILE™ Operating System Ver.: 0.40.0
Build Number: 240
Release Date: 15th May, 2006

This release of StarSCAN® & StarMOBILE™ software ships as a single CD-ROM direct to the dealership. This release will **NOT** be available from DealerCONNECT.

Note1: Update your diagnostic scan tools with Release 6.06 as soon as possible. Failure to update your scan tool(s) will jeopardize the ability to get future releases from the DealerCONNECT network.

Note2: Flash files are no longer available from the enclosed CD and must be retrieved directly from the network. Review ASI #06-002 for additional information.

StarSCAN® & StarMOBILE™ Release 6.06 Supported Vehicles:

- 2004 HB
- 2005 HB, LX, ND, WK, WH
- 2006 HB, LX, ND, WK, WH, XK, XH, DR, KJ, PT, LE, NM
- 2006 LX SRT-8, WK SRT-8, DR SRT-10, PT 1.6L
- 2007 PM

Detailed Vehicle Support Information:

- 2004-2006 NGC3 EATX All Vehicles – All references to OD Switch changed to Tow/Haul Switch.
- 2004-2006 NGC3 EATX All Vehicles – Present Gear TCC State displaying as dashed lines corrected.
- 2004-2006 NGC3 EATX All Vehicles – Target Gear TCC State displaying as dashed lines corrected.
- 2004-2006 NGC3 EATX All Vehicles – Added “Transitioning” state to Present Gear TCC State.
- 2004-2006 NGC3 EATX All Vehicles – Added “Transitioning” state to Target Gear TCC State.
- 2004-2006 NGC3 EATX All Vehicles – Check for engine running added to 1st Gear Clutch Test.
- 2004-2006 NGC3 EATX All Vehicles – Check for engine running added to 2nd Gear Clutch Test.
- 2004-2006 NGC3 EATX All Vehicles – Check for engine running added to 2 Prime Clutch Test.
- 2004-2006 NGC3 EATX All Vehicles – Check for engine running added to 3rd Gear Clutch Test.
- 2004-2006 NGC3 EATX All Vehicles – Check for engine running added to Reverse Gear Clutch Test.
- 2006 KJ NGC3 EATX – TCC Break-In Miscellaneous Function corrected to display for KJ.
- 2004-2006 NGC3 All Vehicles – EGR Valve Solenoid Duty Cycle Actuator max scaling changed to 85%.
- 2004-2006 NGC3 All Vehicles – Evaporative Purge Valve Solenoid Duty Cycle Actuator max scaling changed to 50%.
- 2004-2006 NGC3 All Vehicles – Radiator Cooling Fan PWM Duty Cycle Actuator max scaling changed to 50%.
- 2004-2006 NGC3 All Vehicles – Alternator Field Duty Cycle Actuator max scaling changed to 50%.
- 2004-2006 NGC3 All Vehicles – Oxygen Sensor 1/1 Heater Duty Cycle max scaling changed to 25%.
- 2004-2006 NGC3 All Vehicles – Oxygen Sensor 1/2 Heater Duty Cycle max scaling changed to 25%.
- 2004-2006 NGC3 All Vehicles – Oxygen Sensor 2/1 Heater Duty Cycle max scaling changed to 25%.
- 2004-2006 NGC3 All Vehicles – Oxygen Sensor 2/2 Heater Duty Cycle max scaling changed to 25%.

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- 2004-2006 NGC3 All Vehicles – Fuel Level Percent displaying as dashed lines corrected.
- 2004-2006 NGC3 All Vehicles – Short Term Knock Retard updated to display negative values.
- 2004-2006 NGC3 All Vehicles – Inoperative “Back” button removed from System Tests & Miscellaneous Functions.
- 2004-2006 NGC3 6-Cyl. Engines – Cylinders 7 & 8 removed for Injector Kill System Test.
- 2006 NGC3 All Vehicles – Historical Misfire Monitor removed. No longer supported in NGC3 software.
- 2006 NGC3 All Vehicles – Injector Pulse Width Readings added for cylinders 3-8.
- 2006 NGC3 All Vehicles – Switch Time To Close changed to Forced NVLD Timer in NVLD Forced Monitor System Test.
- 2006 NGC3 All Vehicles - Unexpected Exception corrected in Purge Vapors System Test.
- 2006 NGC3 All Vehicles – Unexpected Exception corrected in EGR System Test when pressing “Close” more than once.
- 2006 NGC3 All Vehicles – Unexpected Exception removed from Systems Tests when rerunning more than one time.
- 2006 KJ 3.7L NGC3 – Toggling data corrected.
- 2006 KJ 2.8TD EATX – Corrected issue of DTCs not displaying for certain faults.
- 2006 PT 2.4L NGC3 – Ignition Dwell times added to data display.
- 2006 DR 8.3L JTEC+ - Added “Please Wait” screen after initial instruction screen to prevent view of toggling data.
- 2006 DR 8.3L JTEC+ - Added prompt for Check DTCs after LDP System Test finish.
- 2006 WK NGC3 – Fixed module display name to display NGC3 instead of Bosch EDC16 Engine
- 2005-2006 Bosch EDC16CP31 – Fuel Quantity Correction Test ranking corrected for proper firing order.
- 2006 Cummins CM849 5.9L ECM – Updated Lift Pump Relay Actuator to a continual on time duration.
- 2006 Cummins CM849 5.9L ECM – Changed Ratiometric Voltage of Fuel Pressure Sensor text to read Fuel Pressure Sensor in Freeze Frames 1-8.
- 2007 PM Bosch EDC16-U31 ECM – Program Variant Code miscellaneous function added.
- 2004-2006 All Engine Applications – Emissions Rolls Test Mode Miscellaneous Function added. Note: Was only present for NGC3 applications.
- GPEC OBDII Monitor support added.
- 2006 KJ CCN/MIC – Added Seatbelt Alert System Disable/Enable routine
- 2006 KJ OCM – Added Current and Original VIN Verification routine
- 2006 KJ EOM – Added qualifier to EOM Self Test routine so that this routine will not display on diesel equipped vehicles
- 2007 PM TIPM - Program Tire Size - The P205/70R16 Goodyear Eagle LS2 tire was being displayed instead of the P215/55R18 Firestone Firehawk. All tire values have been updated.
- 2006 All ABS - The Initialize ECU routine in ABS/ESP has been enhanced to provide feedback at each step of the routine when the routine has failed due to a vehicle condition. This was added to aid in diagnosis when the Initialize ECU routine would not run to completion.
- 2006 DR ABS - Bleed Brakes - Routine changed to allow more time for the user to press the brake pedal before the test starts.
- 2006 LX WCM - TPM Trigger Module Test - new routine for vehicle equipped with Tire Pressure Monitoring. Test verifies that all 3 of the trigger module (or transponders) are communicating with the WCM.
- 2006 WK WCM - TPM Trigger Module Test - new routine for vehicle equipped with Tire Pressure Monitoring. Test verifies that all 3 of the trigger module (or transponders) are communicating with the WCM.
- 2006 XK WCM - TPM Trigger Module Test - new routine for vehicle equipped with Tire Pressure Monitoring. Test verifies that all 3 of the trigger module (or transponders) are communicating with the WCM.
- 2007 PM WCM - TPM Trigger Module Test - new routine for vehicle equipped with Tire Pressure Monitoring. Test verifies that all 3 of the trigger module (or transponders) are communicating with the WCM.
- 2007 PM WCM - DTC - DTC table updated to the latest revision to include the C151D - Tire Pressure Sensor Location Undetermined DTC.



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- 2006 WK FCM- Updated Restore Vehicle Configuration Routine
- 2006 XK FCM- Updated Restore Vehicle Configuration Routine
- 2006 HB FCM- Updated Restore Vehicle Configuration Routine
- 2006 ND FCM- Updated Restore Vehicle Configuration Routine
- 2006 DR TIPM- Updated Restore Vehicle Configuration Routine
- 2007 PM TIPM- Updated Restore Vehicle Configuration Routine
- 2006 DR SRT-10 CAN GW- Updated DTC reads and data content
- 2006 PT 1.6L CAN GW- Updated DTC reads and data content

Core Software Information:

New Features:

- StarMOBILE Standalone Diagnostic Mode has been added. This new mode allows users to read and clear DTCs, Perform ECU flash, and modify Customer Preferences. For additional information regarding StarMOBILE Standalone Mode refer to the “StarMOBILE Standalone Diagnostics Mode User Guide” available on www.dealerconnect.com and www.dcctools.com.
- StarMOBILE Flight Recorder now supports the ‘Trigger on DTC’ functionality.
- StarMOBILE Desktop Client Event Viewer has been enhanced to allow users to zoom in on the ‘y’ axis of data items.
- StarMOBILE Flight Recording files can now be saved off prior to updating the StarMOBILE device operating system software.
- StarMOBILE and StarSCAN self diagnostics test functionality added to the ‘Network View’ screen. Test allows internal and some vehicle connector pin voltages to be displayed to the user. Test is initiated by selecting the StarSCAN or StarMOBILE button while in ‘Network View’.
- Added ‘Flash Files’ to the file management software.
- Flight and Data Recording files can be exported into a comma separated values file (.csv).
- ‘No-response’ handling added to StarMOBILE Flight Recording application.
- Manage Files now incorporates the ability to manage flash files on the StarMOBILE device.
- Manage Files now includes ‘Delete All’ to quickly delete multiple files.
- Added application install verification to ensure the StarMOBILE Desktop Client application installed successfully.
- ‘07 CS Diagnostic Framework Support added.

Enhancements:

- Network view was enhanced to accurately depict the actual connected vehicle’s bus configuration.
- Modified user messages referencing network connections to include wireless connections.
- Updated StarMOBILE Desktop Client Tech Tip user messages.
- StarMOBILE Desktop Client Event Viewer scroll bar sensitivity has been improved.
- SM Desktop Client Software now utilizes a larger screen layout which includes an enhanced toolbar. This toolbar was designed for use with a PC.
- Application was modified to be compatible with DealerCONNECT 2.0 Servers.
- StarMOBILE Install - The application now installs two updates to the StarMOBILE device. The first install is the Operating System. The second install is the StarMOBILE Standalone Diagnostic Mode application.
- Install time and install size has been reduced due to a new database structure.

Other:

- Support CD layout has been simplified.
- Flash files are no longer available on the ‘StarSCAN / StarMOBILE Support CD’. All vehicle flash files are available from DealerCONNECT using the ‘Flash Download’ option located on the ‘Home Screen’. This will ensure you have access to the latest vehicle flash files.
- Tutorials are no longer available on the ‘StarSCAN / StarMOBILE Support CD’. All tutorials are available on www.dealerconnect.com and at www.dcctools.com.