# StarSCAN® & StarMOBILE® Release Notes — 8.05

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

**StarSCAN® Application Ver.: 8.05**
**StarSCAN® Operating System Version: 1.74**
**StarMOBILE® Application Version: 8.05**
**StarMOBILE® Operating System Version: 0.56.10**
**Build Number: 27**
**Release Date: April 28th, 2008**

**This release of StarSCAN® & StarMOBILE® software can only be retrieved via the CD. An update CD will be sent to your dealership for this release.**

*For assistance setting up your StarSCAN® and/or StarMOBILE® on your dealerships network for future internet release updates, refer to the networking guides and tutorials located at https://dealerconnect.chrysler.com by navigating to DealerCONNECT > Service > Repair > StarSCAN and StarMOBILE Tools. These guides and tutorials are also available from http://www.dcctools.com in the 'Download Center' and 'Training Aids' sections.*

## StarSCAN® & StarMOBILE® Supported Vehicles:

### Supported Vehicle Applications:

| Model Year | Vehicles |
|---|---|
| 2004 | HB |
| 2005 | HB, LX, ND, WK, WH |
| 2006 | DR, HB, KJ, LX, LE, ND, PT, WK, WH, XK, XH |
| 2007 | CS, DR, HB, HG, JK, JS, KA, KJ, LX, LE, MK, ND, PM, PT, VB, WK, WH, XK, XH, ZH |
| 2008 | CS, DR, HB, HG, JC, JK, JS, KA, KK, **LC***, LX, LE, MK, ND, PM, PT, RT, WK, WH, XK, XH, ZB, **ZH*** |
| 2009 | JC, **HB-HEV***, **HG-HEV*** |

* denotes new vehicle support added for this release

## Detailed Vehicle Support Information:

### Updates/New Features:

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2008 JC, JK, KA, KK, RT | TIPM | Added special support for StarMOBILE data recording for TIPM vehicles ONLY when the TIPM's software level is up to date. See details in the Special Notes section below | |
| 2008 LC | ALL | Added new vehicle support including new ECUs: TPM, PEM, WCM, SUNR | |
| 2008 ZH | All | Added new vehicle support | FIELD-302 |
| 2009 HB-HG HEV | ALL | Added new vehicle support including new ECUs: ABS, APM, BPCM, EAC, EPS, TCM, HGM, HCP, MCP-A, MCP-B | |
| 2006 KJ | ABS | Added new support to communicate with MOPAR service replacement ABS module | FIELD-290 |
| 2008 VB | CCN | Added Customer Programmable Miscellaneous Functions | |
| 2007-2008 VB | ECM Diesel | Added 13 new DTCs | FIELD-235 |
| 2007-2008 VB | ECM Diesel | Added EGR Actuation System Test | FIELD-234 |

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2007-2008 VB | ECM Diesel | Added Set High Idle Allowed Speeds Miscellaneous Function | FIELD-230 |
| 2007-2009 PM, MK, JC | ECM Diesel | Added Cruise Control Data Miscellaneous Function | |
| 2008-2009 PM, MK, JC | ECM Diesel | Added DPF sensors information to Data Display | FIELD-293 |
| 2008-2009 PM, MK, JC | ECM Diesel | Added Manual DPF Regeneration Miscellaneous Function | FIELD-267 |
| 2009 JC | ECM Diesel | Added Program Variant Coding Miscellaneous Function | |
| 2008 All | FCM / TIPM | Renamed all TIP Start Override routines to Temporary Disable of TIP Start to commonize the Miscellaneous Function name across all vehicle lines | |
| 2004-2006 HB | HVAC | Added Rear AC and Rear Wiper Wash Data Display System Test | |
| 2005-2009 HB, HG, LX, WK, XK | MSMD | Added System Tests for Pedal Adjustment, Vertical Front, Recliner, Vertical Rear, and Horizontal Adjustment actuators | |
| 2008 KK, RT | MSMD | Added System Tests for Horizontal Adjustment, Pedal Adjustment, Recliner, Seat Position, Vertical Front, Vertical Rear | |
| 2007-2009 | PCM (NGC4) | Added Downstream O2 Monitors to OBD II Monitors | |
| 2007-2009 | PCM (NGC4) | Added several cruise control items to Data Display | |
| 2008 WK, XK | PTS | Added Front License Plate Configuration Miscellaneous Function | FIELD-272 |
| 2007-2008 | Radio | Added special radio diagnostic variant $03 support for RER/REW/REN/REZ | |
| 2008 KA, KK, LX, HB, HG, ND, WK, XK | Radio | Added Radio AM/FM signal strength | |
| 2008 VB | TCM | Added the Automatic Variant Coding routine | |
| 2006-2008 PT, DR, PM, MK, JS | TIPM | Added Actuate Transmission Relay Miscellaneous Function | |
| 2006-2008 PT, DR, PM, MK, JS | TIPM | Added Actuate Engine ASD System Test | |
| 2006-2008 PT, DR, PM, MK, JS | TIPM | Added Actuate Fuel Pump Routine Miscellaneous Function | |
| 2006-2008 PT, DR, PM, MK, JS | TIPM | Added Actuate Engine Battery Feed System Test | |
| 2008 KA, KK | TIPM | Added Enable DRL Miscellaneous Function | |
| 2008 RT | TIPM | Added Door Lock related Bussed Input content to Data Display | FIELD-251 |
| 2008 RT, LX, WK, XK, JC | WCM | Added Reset WIN Configuration Miscellaneous Function | |
| 2008 JC, LX, RT, WK, XK | WCM | Added user message to the "WIN Replaced" Miscellaneous Function to indicate to the user when the WCM/WIN has entered the anti-scan lockout mode | FIELD-191 |
| 2008 ZB | PCM | Added Learn Adaptive Numerator Status System Test | |

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| | VENOM | | |

**Fixes/Corrections:**

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2007 PT | --- | Updated ignition status for Advanced Network screens | |
| 2006 -2007 KJ | ABS | Modified ABS Initialize Miscellaneous Function to always calibrate the G-Sensor | |
| 2008 XK | AHBM | Corrected Ignition Switch Status for Data Display | |
| 2008 R2 | AMP | Removed AMP support | |
| 2007-2008 JK | ASBS | Updated Environmental Data and Data Display items | FIELD-175 |
| 2008 VB | BCM | Updated Actuators | |
| 2008 RT | CCN | Corrected the states for Headlamp Switch Data Display | FIELD-280 |
| 2008 RT | CCN | Removed duplicate LIN Data Display items | FIELD-249 |
| 2008 RT, KK | CCN | Heated seat actuators now have pressed/un-pressed states | |
| 2008 RT | DMRL / DMRR | Corrected Latch Release System Test | |
| 2008 RT | DMRL / DMRR | Corrected Latch Cinch System Test | |
| 2008 RT | DMRL / DMRR | Removed LED courtesy lamp feedback from Data Display | |
| 2008 RT | DMRL / DMRR | Removed VCCS Voltage from Data Display | |
| 2008 RT | DMRL / DMRR | Updated Actuators | |
| 2005-2008 WK, LX, XK | ECM Diesel | Updated user message in Compression Test System Test from TIP Start Override to Temporary TIP Start Disable | FIELD-224 |
| 2007 JK,KK 2008 RT | ECM Diesel | Added support for DTC P2266 | FIELD-281 |
| 2007-2008 DR | ECM Diesel | Modified Reset Regenerative Filter Timers Miscellaneous Function | FIELD-335 FIELD-273 |
| 2007-2008 DR | ECM Diesel | Corrected Freeze Frame Data | |
| 2007-2008 DR | ECM Diesel | Modified name of EGR Airflow Control Valve Position to EGR Intake Air Throttle Position and EGR Valve Position for clarification | FIELD-171 |
| 2005 LX | FCM | Restore Vehicle Configuration: updated the Cabin EQ Curve configuration | |
| 2006-2008 ND | FCM | Restore Vehicle Configuration: updated the Reverse Gear input setting for manual transmission vehicles which was causing DTC P0101 | FIELD-265 |
| 2008 HB, HG, WK, XK | FCM | Updated the Headlamp Washer actuation and data read | |
| 2008 WK, XK | FDCM | Added support back for Emission Rolls Test Mode is Active actuator | FIELD-279 |
| 2008 WK, XK | FDCM | Corrected Actuator stop commands | |
| 2005 WK | HSM | Corrected Heated Seat Status for Data Display | |
| 2008 RT, 2009 JC | HVAC | Corrected Actuator Calibration System Test | |
| 2008 RT, 2009 JC | HVAC (ATC) | Corrected Cool Down System Test | |
| 2008 XK | LSRM | Removed unsupported Bussed Inputs | |

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2007 WK | MSMD | Corrected System Tests | |
| 2008 JC | N/A | Updated engine size display for scantool header | FIELD-317 |
| 2007 ZH | ORC | Removed ECU Details | |
| 2008 LX | ORC | Added Initialize ORC Miscellaneous Function | |
| 2008 LX | ORC | Added Rollover Detection Miscellaneous Function | |
| 2008 WK | ORC | Passenger/Driver seat belt switch no longer supported on vehicle and values removed from Data Display | |
| 2008 XK | ORC | Removed Fault System Time Start and Fault System Time End from Environmental Data | |
| 2007-2009 | PCM (GPEC) | Corrected Injectors 1-4 Actuators (was controlling the incorrect injectors) | |
| 2007-2009 | PCM (NGC4) | Added OIL PRESS SW to Data Display | FIELD-305 |
| 2007-2009 | PCM (NGC4) | Modified ESIM Forced Monitor Test in System Tests | |
| 2007-2009 | PCM (NGC4) | Corrected Proportional Purge Actuator | FIELD-342 |
| 2007-2009 | PCM (NGC4) | Corrected Cylinder 4 Deactivation Solenoid Control State Actuator | FIELD-174 |
| 2007-2009 | PCM (NGC4) | Corrected 1/1 & 1/2 O2 monitor threshold types for OBD Monitors | |
| 2008 JS | PDM | Corrected Window Lockout State for Data Display | |
| 2006-2008 CS, HB, HG, RT, XK | PLGM | Corrected PLGM Direction for Data Display | |
| 2008 RT | PSD | Corrected Sliding Door Direction for Data Display | |
| 2007-2008 JS | PTCM | Updated Manual Top Movement test to prevent it from timing out before completing cycle | |
| 2008 JS | PTCM | Updated Ignition Switch Status Data Display | |
| 2007-2008 VB | PTS | Updated all DTC descriptions | |
| 2008 R2 | Radio | Removed Radio support | |
| 2007 LX | SCM | Updated Steering Column Back, Forward, Up and Down display qualification | |
| 2008 RT | SDARV | Removed actuators (Channel search) | |
| 2008 KK | SUNR | Updated Inhibit Monitors | |
| 2006-2008 | TCM (A580) | Updated several items in Data Display | FIELD-309 |
| 2006-2008 | TCM (A580) | Corrected Output Speed Sensor in Data Display | |
| 2007-2008 | TCM (68RFE) | Corrected TCC State in Data Display | FIELD-106 |
| 2006 DR | TIPM | Restore Vehicle Configuration: updated the Brake Type Modifier setting which was causing DTC C2206 | FIELD-52 |
| 2006-2008 PT | TIPM | Updated Actuators | |
| 2007-2008 JS | TIPM | Added user message to cycle key after the Program Tire Size routine is completed | |
| 2008 DM (DR) | TIPM | Added support for 4.44 and 4.88 axle ratio's into the Program Tire Size Routine | FIELD-261 FIELD-276 |

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2008 DR | TIPM | Restore Vehicle Configuration: updated the Axle Ratio settings which were causing DTC U0141 | FIELD-261 FIELD-276 |
| 2008 DR | TIPM | Restore Vehicle Configuration: updated the Brake Type Modifier setting which was causing DTC C2206 | |
| 2008 DR | TIPM | Restore Vehicle Configuration: updated the Reverse Gear input setting for manual transmission vehicles | |
| 2008 DR | TIPM | Restore Vehicle Configuration: updated the T-Case Type setting for heavy duty trucks | |
| 2008 JC | TIPM | Updated Program Tire Size Miscellaneous Function | |
| 2008 JS | TIPM | Updated Actuators | |
| 2008 LX | TIPM | Restore Vehicle Configuration: updated the Brake Type Modifier setting which was causing DTC C220B | FIELD-313 |
| 2008 RT | TIPM | Restore Vehicle Configuration: updated the Brake Type Modifier setting which was causing DTC U140E | FIELD-262 |
| 2008 RT | TIPM | Added conversions for all door switch inputs previously reading in hex | |
| 2008 RT | TIPM | Fixed Null Pointer error thrown when stopping Right Signal Mirrors/Side Repeaters (BUX) | |
| 2008 RT | TIPM | Updated user message used during View Last VTA Trigger Cause System Test | |
| 2006 DR | WCM | Qualified the following Miscellaneous Functions to only display on the 2006 DR SRT10: DR WCM Replaced SCI, PCM Replaced SRT-10 Only, WCM Gateway Replaced | |
| 2006-2007 PT | WCM | Qualified the following Miscellaneous Functions to only display on the 2006-2007 PT 1.6L: PT WCM Replaced SCI, PCM Replaced 1.6L Only, WCM Gateway Replaced | |
| 2006-2009 JC, JS, LX, RT, WK, XK | WCM | Qualified ELV Replaced Miscellaneous Function to only show up on the vehicles which are not US, Canada or Mexico | |
| 2006-2008 PT, DR, JS, KA, JK, KK | WCM | Corrected Program Ignition Keys Miscellaneous Function so that the second key can be programmed without restarting the function again | |
| 2008 HB, HG, ND | WCM | Added Clock Time to Data Display | |
| 2008 JC, LX, RT, WK, XK | WCM | Removed Light Load Placard pressure values | |
| 2008 JC, LX, RT, WK, XK | WCM | Added Gated Park Switch Status to Data Display | FIELD-221 |
| 2008 JC, LX, RT, WK, XK | WCM | Corrected SKREEM Status Bussed Output | FIELD-252 |
| 2008 JC, LX, RT, WK, XK | WCM | Corrected RKE Fob Depressed values in Data Display | |
| 2008 JC, LX, RT, WK, XK | WCM | Corrected ELV Replaced Miscellaneous Function 123 error | |
| All | WCM | Updated user message for Erase All Ignition Keys Miscellaneous Function, which indicates to the user to cycle the key off for 45 seconds. | |

## Known Issues:

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| 2008 ZB | PCM (VENOM) | After running ETC System Test actuated to high percentage, there is no throttle response. Ignition key cycle for 30 seconds is required after running System Tests or Learn ETC. This allows the PCM to update memory. Cycling key and restarting tool may be required in some instances. | |
| 2007-2008 VB | PTS | LED Zebra Display System Test and All LED and Sound System Test set an error when exiting | |
| 2008 WK, XK | PTS | Configure PTS Miscellaneous Function will set an error on all vehicles that do not support front parktronics sensors | |
| 2008 JC,KA, KK, RT | TIPM | Duplicate Program Tire Size Miscellaneous Functions will display on the scantool. One will contain incorrect tire sizes and the other one will contain the correct tire sizes | |
| 2008 JC, LX, RT, WK, XK | WCM | RKE Fob Depressed displays "None Pressed" when the Remote Start button is depressed on the FOBIK. This is an ECU issue that the scantool cannot correct. | FIELD-199 |

## Core Software Information:

### Updates/New Features:

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| All | All | Added Miscellaneous Function and System Test qualification logging | |
| 2008 LC | All | Added Year-Body detection support to StarMOBILE | |
| 2008 LC 2009 HB, HG | All | Added EFD flash support for new 2008 and 2009 ECUs | |
| 2009 HB, HG | All | Added support for HEV diagnostics | |
| All CAN Vehicles | All | Added vehicle odometer reading to Scan Reports | |
| 2008 JC, JK, KA, KK, RT | TIPM | Added support for StarMOBILE data recording for TIPM vehicles ONLY when the TIPM's software level is up to date | |

### Fixes/Corrections:

| MY(s) / Vehicle(s) | ECU | Change Description | Tracking # |
|---|---|---|---|
| All | All | Fixed legend layout issues in Network Topology | |
| 2006 KJ 2007 CS | All Non CAN | Fixed error code 112 shown when running legacy actuators | |

# StarSCAN® & StarMOBILE® Release Notes — 8.05

## Special Notes:
### Data Recoding

#### StarSCAN
- StarSCAN data recording capability is still disabled in this release.

#### StarMOBILE
- StarMOBILE data recording capability has been re-enabled for the set of vehicles listed below. Data recording was temporarily disabled in release 8.03 and 8.04.
  - 2008MY JC
  - 2008MY JK
  - 2008MY KA
  - 2008MY KK
  - 2008MY RT
  - 2009MY JC

- Some of these vehicle applications may require a TIPM (gateway) software flash prior to allowing the StarMOBILE to perform data recording. Details can be found in the TIPM (gateway) data recording Service Bulletin.
- When attempting to perform a StarMOBILE data recording, the StarMOBILE will verify the current TIPM (gateway) part number to determine if the TIPM (gateway) must be flashed prior to allowing StarMOBILE data recording.
- If a TIPM (gateway) flash is NOT required, the StarMOBILE will continue on as normal.
- If a TIPM (gateway) flash is required, the following message will appear on the StarMOBILE screen prompting the user to flash the TIPM (gateway) before continuing to data recording.