



StarSCAN® & StarMOBILE® Release Notes — 8.05

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Dealer Technical Operations
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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



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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	



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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	



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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



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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.	



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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 parktronic 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	

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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.

