



StarSCAN® & StarMOBILE® Release Notes — 7.04

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

StarSCAN® Application Ver.: 7.04
 StarSCAN® Operating System Version: 1.65
 StarMOBILE® Application Version: 7.04
 StarMOBILE® Operating System Version: 0.45.1
 Build Number: 18
 Release Date: 4/16/2007

This release of StarSCAN® & StarMOBILE® software can only be retrieved via the Internet. An update CD will NOT be sent to your dealership for this release. To update your StarSCAN® and/or StarMOBILE® diagnostic tool via the internet, the StarSCAN® & StarMOBILE® software version must be at version 7.03 or greater and properly configured to your dealership's network.

For assistance setting up your StarSCAN® and/or StarMOBILE® on your dealerships network, 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	JS

Detailed Vehicle Support Information:

Updates/New Features:

MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
2007 VB	ACH	Added all diagnostic support	
2007 VB	BCH	Added all diagnostic support	
2007 VB	ACH, BCH	Added Auxiliary Cabin Heater (ACH) and Booster Cabin Heater (BCH) to the Network Topology	
2007 VB	ECM Gas	Modified all data content	
2007 VB	ECM Gas	Modified data displayed during the "Engine ECU Replaced (Drive Authorization)" routine	CR 11611
2007 VB	ECM Diesel	Modified all data content	
2007 VB	ECM Diesel	Modified data displayed during the "Engine ECU Replaced (Drive Authorization)"	CR 11612



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MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
		routine	
2007 VB	ECM Diesel	Added the "Program Tire Size Routine"	CR 11319
2007 VB	TCM	Added US conversion for mbar to PSI	CR 11436
2007 VB	TCM	Added additional data items	
2007 VB	PTS	Modified description of data items	
2007 VB	TM	Modified description of data items	
2007 VB	TPM	Added additional data items	
2007 VB	TPM	Added new System Test: "All LED and Tone Test"	CR 11623
2007 VB	TPM	Added new System Test: "LED Zebra Display Test"	CR 11622
2007 VB	TCM	Added new System Test: "TCC Solenoid Test"	CR 11545
2007 VB	TCM	Added new System Test: "Transmission Shift Solenoids Test"	CR 11544 CR 11617 CR 11618
2007 VB	TCM	Added new System Test: "Modulation Solenoid Test"	CR 11620
2007 VB	TCM	Added new System Test: "Shift Pressure Solenoid Test"	CR 11619
2007 VB	TPM	Added new System Test: "Verify Front Antenna"	CR 11542
2007 VB	TPM	Added new System Test: "Verify Rear Antenna"	CR 11543
2007 VB	AHLM	Added the "Calibrate AHLM" routine	
2007 HB	FCM	Modified configuration for Anti-Lock Brake System used during the "Restore Vehicle Configuration" routine	CR 11684
2007 JS	TIPM	Modified configuration for Output Lamps, Combined Rear Lighting, and Radio Market Select used during the "Restore Vehicle Configuration" routine	CR 11705
2008 JS	TIPM	Modified configuration for Output Lamps, Combined Rear Lighting, and Radio Market Select used during the "Restore Vehicle Configuration" routine	CR 11706
2007 JS	DDM / PDM	Added "ECU Reset" (Forces side ID to be learned)	CR9353
2006-07 DR	FDCM	Added new Miscellaneous Functions: LEDs, Lockers, and SmartBar motor actuators	CR 9288 CR 9289 CR 9290 CR 9291 CR 9292 CR 9293 CR 9294 CR 9295 CR 9296
2007 DR	PCM CM2100	Combined Turbo Actuator Pre-Align and Turbo Actuator Self Calibrate routines into one routine – Turbo Actuator Pre-Align / Self Calibrate	CR 11624
2007 DR	PCM CM2100	Added Software (Boot) Part Number & Software Version (Major/Middle/Minor) to ECU Details	CR 11377
2006-08 PM, MK, JS	PCM EDC16-U31	Added Enable Emissions Rolls Test Mode	CR 11324
2004-07	PCM NGC3	Added Cam/Crank Synchronization Event Data Monitor and applied data items for data recording	CR 10911 CR 10912 CR 10913
2007 All	PCM NGC4	Added Cam/Crank Synchronization Event Data Monitor and applied data items for data recording	CR 11010



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MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
2007 All	PCM NGC4	Added support for EGR Monitor in OBD-II Monitors	FIELD-8
2004-07 All	AMP	Added "ECU Reset"	CR 10729
2004-07 All	All	Added non-powertrain ECU data recording parameters	SANDS-53

Fixes/Corrections:

MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
All	Multiple	Updated the MPa and kPa to PSI conversions	FIELD-7 CR 11089
2005-07 HB,HG,WK XK,JS	DDM / PDM	Corrected "Window Actuators"	CR 11040
2006-07 HB,WK, CS	PLGM	Added configured data for dual and single pinch sensors	CR 10499
2006-07 HB, WX, XK, CS	PLGM	Added Environmental Data for DTCs	CR 9424
2005-07 LX, WK, WK	SUNR	Removed "Clear Inhibit Monitor" routine	CR 10599
All	NGC4 PCM	Corrected Proportional Purge Solenoid actuator	CR 11104
All	NGC4 / GPEC PCM	Corrected incorrect PSI readings	CR 11089
All	NGC4 PCM	Removed duplicate transmission data display items	
2004 HB	PCM NGC3	Corrected error 104 for OBD-II EGR Monitor Pre-Test	FIELD-14
2004-06 HB	CCN	Corrected flash part number read	FIELD-24
2004-07 All	PCM NGC3	Modified menus on "O2 Heater System Test"	CR 10170
2004-07 HB, HG, WK, XK, LX	HSM	Corrected actuator descriptions	CR 11314 CR 11325
2005-07 WK, XK, LX	LRSM	Corrected actuator descriptions	CR 11315 CR 11326
2005 LX	HVAC	Corrected routines not displaying under System Tests	CR 11269
2006-07 DR	PCM CM849	Removed Trip Average Fuel from View/Reset Trip Information Accumulators	CR 11642
2006-07 DR	PCM CM849	Corrected Freeze Frame System Error	
2007 DR	PCM CM2100	Corrected Freeze Frame System Error	
2006-07 DR	CCN	Corrected issue when attempting to stop actuators	CR 11293 CR 11294
2006-07 PT	PCM SIM-70	Corrected error with Miscellaneous Function: "Program VIN"	
2006-07	CCN	Corrected session error when attempting to run "Service Interval – Gas" and "Service	CR 10596

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MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
WK, XK		Interval – Diesel” Miscellaneous Function	
2006-07 KJ 2007 CS	J1850 ECUs	Added ECU long name at the ECU View Screen for J1850 (PCI) ECUs	CR 10641
2006-07 KJ	WCM	Added the following Miscellaneous Functions back to the tool: “WCM Replaced” and “PCM Replaced”	FIELD-17 STARCENTER-46 STARCENTER-48 CR 11649
2006-07 NM	ALL	Added Miscellaneous Function and System Test function support back to tool	
2006 PT	CCN	Corrected flash part number read	CR 11869
2006 WX	DDM / PDM	Updated diagnostic versions to support service parts	CR 11199
2007 CS	WCM	Added the following Miscellaneous Functions back to the tool: “WCM Replaced” and “PCM Replaced”	STARCENTER-46 CR 11678
2007 DR	PCM CM2100	Removed Trip Average Fuel from View/Reset Trip Information Accumulators	CR 11642
2007 DR	AMP	Corrected “Speaker Channel Isolation” (Channel 5 would not re-mute)	CR 11558
2007 HB	AMP	Corrected “Speaker Channel Isolation” test	CR 11558
2007 HB	PLGM	Added the following routines: "Close Door Test", "Latch Cinch Test", "Latch Home Sector Test", "Latch Release Test", "Open Door Test"	CR 10253
2007 JS	DDM / PDM	Removed “Window Hall Sense Supply” actuator	CR 11304
2007 PT	PCM NGC3	Removed Miscellaneous Function: “Clear Variable Line Pressure (VLP)”	CR 10725
2007 VB	ECM-Diesel	Added DTC description for DTC 2953	CR 11615
2007 VB	ECM Gas	Updated the “Manual Variant Coding” routine	CR 9536
2007 VB	ECM Diesel	Updated the “Manual Variant Coding” routine	CR 9543
2007 VB	TPM	Corrected TPM “Manual Initialization” problem that existed in StarSCAN only	CR 9361
2007 VB	Multiple	Updated the “Manual Variant Coding” routine to work on the StarSCAN also	CR 11737
2007 VB	AHLM	Modified the “Manual Variant Coding” routine	CR 11670
2007 VB	ORC	Modified the “Manual Variant Coding” routine for low-line cluster	CR 11671
2007 WK	FDCM	Added “Emissions Rolls Test” actuator back in tool	CR 11742
2007 XK	FDCM	Added “Emissions Rolls Test” actuator back in tool	CR 11742

Open Issues:

MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
2006 LX	PCM NGC3	Cylinder 7 Misfire displaying on 6 cylinder vehicle	STARCENTER-47
2007 DR	PCM CM2100	Fuel Pump Current data display inaccurate	FIELD-11
2007 VB	TM	No actuator support possible	
2007 VB	Radio	Unable to communicate with low-line radio	
2007 All	NGC4 PCM	OBD II Monitor Status displays hex values	FIELD-9 FIELD-10
2007 All	NGC4 / GPEC PCM	Downstream O2 Monitors Missing	
2007 All	NGC4 /	Small Leak Last Result Monitor last off times not updating properly	



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	GPEC PCM		
2007 All	NGC4 / GPEC PCM	Purge Monitor still being developed and requires some additional information	
2007 All	NGC4 PCM	OBD-II Pre-Test Monitor for Medium Leak displays an error	

Issues Reviewed - Not an Issue:

MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
2005 HB	PCM NGC3	Technician cannot find valve actuator in StarSCAN to test EGR Valve replacement – Unable to Duplicate	FIELD-15
2006 DR	TIPM	Unable to Program “Other” Tire Size – Not an issue (not permitted)	FIELD-22
2006 DR	PCM CM2100	Active Code P0633 in ECM after flash update, Vehicle has start and stall – Not a tool issue	FIELD-19
2007 LX	WCM	Unable to connect to WCM – Incorrect WCM installed	STARCENTER-49

Core Software Information:

Fixes/Corrections:

MY(s) / Vehicle(s)	ECU	Change Description	Tracking #
All	All	Added Diagnostic Variant/Version support to the Vehicle Scan Report	