

To: All Bosch Mastertech VCI Software Customers

From: Bosch Diagnostics Sales and Marketing Group

Re: **Scantest 2009 Release 1 software**

April 02, 2009

We officially announce the release of the software upgrade:

 **ScanTest 2009 Release 1 (version 9.1) Asian and MFT Pro for MTS 3100 Mastertech and Mastertech VCI**

To give you a view into what has been updated, I present to you an overview with detailed information which describes new diagnostic functions for both MTS 3100 Mastertech (part A), Mastertech VCI (part B), Shop Foreman Pro (part C).

Note: Mastertech VCI release v9.1 does contain equivalent coverage and functional diagnostics up to and including MTS 3100 Mastertech v9.1 software release!

A. MTS 3100 Mastertech Diagnostic Application Enhancements

Specifically, this release updates a) Honda/Acura diagnostic application software with additional vehicle coverage and diagnostic functionality, b) Nissan/Infiniti Powertrain, Chassis, and Body Systems diagnostic application software with additional vehicle coverage and diagnostic functionality, c) updates to the DTC table in Global OBD II, and d) update to Service \$08 to support TID \$02 Diesel Particulate Filter Regeneration.

Along with a v9.1 new function application chart is included a few MTS 3100 Mastertech tester and Shop Foreman Pro screen shots showing actual on-vehicle functional examples with descriptions are provided.

Continued below are "highlights" of the new 2009 Release 1 coverage!

Note: The new ScanTest v9.1 software load is intended for the 12MB MFT Program Card (p/n 02003335) only. It will **not** load to the older 4MB, 8MB or 12MB cards.

PLEASE NOTE: LICENSING IS NOW BEING DONE THROUGH THE BOSCH LICENSE MANAGEMENT SYSTEM. SEE THE SECTION ON LICENSING FOR DETAILS.

Honda/Acura Vehicle Coverage

1) The new Scantest 2009 Release 1 (v9.1) Bosch Aftermarket software for MTS 3100 Mastertech has increased coverage for model year 2004-2008

Honda/Acura vehicles

a. Acura:

- i. 2004-2008 **3.2TL** – 3.2L PGM-FI, AT, ABS, AUTOLT, COMBI, CPM, HFT, HIP, HVAC, METER, MICU, MSC, P/W, R/M, SRS
- ii. 2004-2008 **3.5RL** – 3.5L PGM-FI, AT, ABS, AFS, COMBI, DDE, HFT, HIP, HVAC, METER, MICU, MSC, R/M, SMART, SRS, TELE
- iii. 2007-2008 **3.5TL** – 3.5L PGM-FI, AT, ABS, AUTOLT, COMBI, CPM, HFT, HIP, HVAC, METER, MICU, MSC, P/W, R/M, SRS
- iv. 2004-2006 **MDX** – 3.5L PGM-FI, AT, ABS, SRS
- v. 2007-2008 **MDX** – 3.7L PGM-FI, AT, ABS, COMBI, DDE, HFT, HIP, HVAC, IMMOBI, METER, MICU, MSC, PTG, R/M, RJU, SRS
- vi. 2007-2008 **RDX** – 2.3L PGM-FI, AT, ABS, HFT, HIP, HVAC, IMMOBI, METER, MICU, MSC, SRS
- vii. 2004-2006 **RSX** – 2.0L PGM-FI, AT, ABS, SRS
- viii. 2004-2008 – **TSX** 2.4L PGM-FI, AT, ABS, COMBI, CPM, HFT, HVAC, METER, MICU, MSC, P/W, R/M, SRS

b. Honda:

- i. 2004-2007 **Accord** 2.4L/3.0L PGM-FI, AT, ABS, COMBI, HVAC, METER, MICU, P/W, R/M, SRS
- ii. 2008 **Accord** 2.4L/3.0L PGM-FI, AT, ABS, HFT, HVAC, IMMOBI, METER, MICU (AS), MICU (DR), P/W, SRS
- iii. 2005-2007 **Accord Hybrid** 3.0L PGM-FI, AT, IMA, ABS, COMBI, HVAC, METER, MICU, P/W, R/M, SRS
- iv. 2004-2005 **Civic** 1.7L/2.0L PGM-FI, AT, CVT, ABS, SRS
- v. 2006-2008 **Civic** 1.8L/2.0L PGM-FI, AT, CVT, ABS, IMMOBI, METER, MICU, SRS
- vi. 2004-2005 **Civic Hybrid** 1.3L PGM-FI, CVT, IMA, ABS, SRS
- vii. 2006-2008 **Civic Hybrid** 1.3L PGM-FI, AT, CVT, ABS, HVAC, IMMOBI, METER, MICU, SRS
- viii. 2004-2008 **CR-V** 2.4L PGM-FI, AT, ABS, HVAC, IMMOBI, METER, MICU, SRS
- ix. 2004-2008 **Element** 2.4L PGM-FI, AT, ABS, METER, SRS
- x. 2007-2008 **Fit** 1.5L PGM-FI, AT, ABS, METER, SRS
- xi. 2004-2006 **Insight** 1.0L PGM-FI, CVT, IMA, ABS, SRS
- xii. 2004-2008 **Odyssey** 3.5L PGM-FI, AT, ABS, AUTOLT, COMBI, CPM, HFT, HVAC, METER, MICU, MSC, P/W, PTG, R/M, RJU, SDL, SDR, SRS
- xiii. 2004-2008 **Pilot** 3.5L PGM-FI, AT, ABS, METER, SRS
- xiv. 2006-2008 **Ridgeline** 3.5L PGM-FI, AT, ABS, COMBI, HVAC, METER, MICU, P/W, R/M, SRS
- xv. 2006-2008 **S2000** 2.2L PGM-FI, ABS, METER, SRS

Honda/Acura Diagnostic Functions

- 2) Powertrain system support includes new diagnostic coverage for the following ECUs:
 - a. Powertrain Control Module PGM-FI (PCM)
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. Diagnostic data parameter display count and accuracy comparable to OEM tester
 - iii. Output controls (A/C Clutch, Fuel Pump, Fan, Purge Solenoid, etc...)
 - iv. Fuel Injector Output Control for MY2004-2008 PCM systems
 - v. New coverage for EGR System Test for MY2004-2008 PCM systems
 - vi. New Multi-Solenoid EVAP Output Controls (PCS, VSV, 2WBS) for MY2004-2008 PCM systems
 - b. Transmission Control Module (A/T and CVT)
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. Diagnostic data parameter display count and accuracy comparable to OEM tester
 - iii. Output controls (Shift Solenoids, Linear Solenoids, Shift-Lock, etc...)
- 3) Chassis system support includes new diagnostic coverage for the following ECUs:
 - a. Antilock Brake System (ABS) control module
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
 - iii. Output controls (LF, RF, LR, RR Solenoids)
 - b. Vehicle Stability Assist (VSA) control module
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
 - iii. Output controls (LF, RF, LR, RR Solenoids)
- 4) Body system support includes new diagnostic coverage for the following ECUs:
 - a. Multiplex Integrated Control Unit (MICU, MICU (AS/DR))
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. ECU Information/Configuration parameters
 - iii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
 - b. Supplemental Inflatable Restraint (SIR) control module
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. ECU Information parameters
 - iii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
 - c. Gauge Control Module (METER)
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. ECU Information/Configuration parameters
 - iii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
 - d. Heating, Venting, Air Conditioning (HVAC) control module
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. ECU Information/Configuration parameters

- e. Center Panel Module (CPM)
 - i. Read/Clear Diagnostic Trouble Codes
 - ii. ECU Information/Configuration parameters
 - iii. Diagnostic data parameter display count and accuracy comparable to OEM tester.
- f. All other 2000 body control modules listed below
 - i. Read/Clear Diagnostic Trouble Codes (if supported by vehicle)
 - ii. ECU Information parameters

Acronym	System Description
AFS	Adaptive Front Lighting
AUTOLT	Lighting Control Module
COMBI	Combination Switch
CPM	Center Panel Module
DDE	Drivers Door Module
HFT	Handsfree Module
HIP	Honda Information Panel
HVAC	Heating, Venting, Air Conditioning
IMMOBI	Immobilizer Module
METER	Gauge Control Module
MICU	Multiplex Integrated Control Unit
MSC	Memory Seat Module
P/W	Power Window Module
PARKSR	Parking Sensor Module
PTG	Power Lift Gate Module
R/M	Relay Module Unit
RJU	Rear Integration Module
SDL	Left Power Sliding Door Module
SDR	Right Power Sliding Door Module
SMART	Smart Entry Module
TELE	Telematics Module

- 5) MTS 3100 screenshot examples of new Honda/Acura Asian SW content (example: 2006 Honda Civic 1.7L I4):

```

SELECT CONTROL
  1 of 8
2-way Bypass Sol
A/C Clutch
EGR Test
Fuel Pump
Injector
Purge Sol
Radiator Fan
Vent Shut Sol

26 January 2009 10:18:16
MTS 3100 Mastertech ©Robert Bosch LLC
  
```

PGM-FI - OBD Control Menu

```

PGM-FI Basic Data SNAPLIST
A/C Clutch.....Dff
A/C Mon.....Cmplte
A/C Sw.....Dff
Alt Field (%).....43.5%
BARO Pressure.....14psi
BARO Snsr (V).....2.85V
Battery (V).....13.9V
Catalyst Mon.....N/C
ECT (°).....201°F
ECT (V).....0.54V
EGR Lift Sensor.....1.03V
EGR Mon.....N/C
Engine Speed.....731
Injector.....5 Disabled

26 January 2009 10:37:42
MTS 3100 Mastertech ©Robert Bosch LLC
  
```

PGM-FI – Fuel Injector Control

```

EGR Test

Hold Engine Speed
steady between
2500 and 3000 RPM.

Stabilizing

Engine Speed
2579 RPM

23 January 2009 15:04:21
MTS 3100 Mastertech ©Robert Bosch LLC
  
```

PGM-FI – EGR Test Running

```

EGR Test
Complete

EGR System
is Normal

Press [EXIT]

23 January 2009 15:03:56
MTS 3100 Mastertech ©Robert Bosch LLC
  
```

PGM-FI – EGR Test Complete



6) Shop Foreman Pro screenshot examples of new Honda/Acura Asian SW content (example: 2006 Honda Civic 1.7L I4):

Parameter	Value	Units	Parameter	Value	Units
AC Clutch	Off		Idle TP (°)	2.1	°
AC Switch	Off		Immobilizer	Run	
Alt Field (%)	45	%	Inj 1 PW	2.36	ms
APP (%)	0.0	%	Load (Abs)	25	%
APP 1 (V)	0.99	V	Load (Calc)	27	%
APP 2 (V)	0.49	V	MAP (P)	3	psi
BARO (P)	14	psi	MAP (V)	0.88	V
BARO (V)	2.86	V	MIL	Off	
Battery (V)	14.3	V	Spark Adv	7.5	°
ECT #2 (°)	158	°F	Target TP (°)	2.0	°
ECT #2 (V)	1.01	V	TP (°)	2.1	°
ECT (°)	176	°F	TPS 1 (V)	0.66	V
ECT (V)	0.78	V	TPS 2 (V)	1.54	V
EGR Error	-1	%	TPS Absolute(%)	13	%
EGR Lift Actual	0.0	mm	TPS Relative(%)	2	%
EGR Lift Cmd	0.0	mm	Veh Speed	0	MPH
EGR Lift Sensor	1.15	V	VTEC Press Sw	On	
Engine Speed	752	RPM	VTEC Sol	Off	
IAT (°)	105	°F	VTS Cmmnd	Off	
IAT (V)	2.07	V			

Frame: +0 Time: 00.000 sec

Shop Foreman Pro – PGM-FI Basic Snaplist

Honda/Acura Product Bug Fixes

The TSB titled “**TSB_M3S_8.3_HN_04 - 2004 Acura 3.2TL PGM-FI No-Comm.pdf**” has been corrected in the version 9.1 release.

Honda/Acura Known Bugs/Anomalies

Year	Make	Model	Title	SW-Version	TSB Number
See TSB	See TSB	See TSB	Honda SRS (H92 Protocol) reports inaccurate data or will not clear DTCs.	Reported -MFT Pro V8.3	TSB_M3S_8.3_HN_01
See TSB	See TSB	See TSB	Honda ABS (KW71 Protocol) Locks tester when vehicle is driven over 10 MPH.	Reported -MFT Pro V8.3	TSB_M3S_8.3_HN_02
All	All	Ridgeline MDX	Honda Ridgeline/Acura MDX ABS systems do not communicate with Mastertech.	Reported -MFT Pro V8.3	TSB_M3S_8.3_HN_03
2004	Acura	RL	2004 Acura RL ABS system is not supported.	Reported -MFT Pro V8.3	TSB_M3S_8.3_HN_05
All	All	All	Some Body Systems show data list data that is not supported by the vehicle.	Reported -MFT Pro V9.1	TSB_M3S_9.1_HN_01

Nissan/Infiniti Vehicle Coverage

7) The new Scantest 2009 Release 1 (v9.1) Bosch Aftermarket software for MTS 3100 Mastertech has increased coverage for model year 2007-2008

Nissan/Infiniti vehicles

a. Nissan:

- i. 2007-2008 **Altima** – 2.5L/3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- ii. 2007-2008 **Sentra** – 2.0L/2.5L ECM, TCM, ABS, SRS, BCM, IPDM, METER
- iii. 2007-2008 **Versa** – 1.8L ECM, TCM, ABS, SRS, BCM, IPDM, METER
- iv. 2007-2008 **Maxima** – 3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- v. 2007 **Murano** – 3.5L TCM
- vi. 2008 **350Z** – 3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- vii. 2008 **Armada** – 5.6L ECM, TCM, ABS, SRS, BCM, IPDM
- viii. 2008 **Frontier** – 2.5L/4.0L ECM, TCM, ABS, SRS, BCM, IPDM, METER
- ix. 2008 **Pathfinder** – 4.0L/5.6L ECM, TCM, ABS, SRS, BCM, IPDM, METER
- x. 2008 **Quest** – 3.5L ECM, TCM, ABS, SRS, BCM, METER
- xi. 2008 **Rogue** – 2.5L ECM, TCM, ABS, SRS, BCM, IPDM
- xii. 2008 **Titan** – 5.6L ECM, TCM, ABS, SRS, BCM, IPDM
- xiii. 2008 **Xterra** – 2.5L ECM, TCM, ABS, SRS, BCM, IPDM

b. Infiniti:

- i. 2007-2008 **G35** – 3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- ii. 2008 **G37** – 3.5L ECM, TCM, ABS, SRS, BCM, IPDM, PSB
- iii. 2007-2008 **M35/M45** – 3.5L/4.5L ECM, TCM, ABS, SRS, BCM, IPDM, PSB, IAMP, IKEY
- iv. 2008 **EX35** – 3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- v. 2008 **FX35/45** – 3.5L/4.5L 3.5L ECM, TCM, ABS, SRS, BCM, IPDM
- vi. 2008 **QX56** – 5.6L ECM, TCM, ABS, SRS, BCM, IPDM

Nissan/Infiniti Diagnostic Functions

- 8) Powertrain ECU system support includes new diagnostic coverage for the following ECUs:
- a. Engine Control Module (ECM)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters – full list
 - iii. Amazing list of Output controls! (Ex: RPM Control, EGR Control, Purge Valve Position, Injector Kill, dozens of Actuators)
 - iv. ECU Information – Part Number, Program Number, VIN from ECU
 - b. Transmission Control Module (TCM)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters – full list
 - iii. Amazing list of Output controls! (TCM Solenoids, Actuators, CVT Deterioration Reset)
 - iv. ECU Information – Part Number, Program Number
- 9) Chassis ECU system support includes new diagnostic coverage for the following ECUs:
- a. Antilock Brake System (ABS) control module
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters – full list
 - iii. Actuator output controls! (Ex: Inlet Valves, Outlet Valves, Pump Motor, Pressure Valves, Active Boost Solenoid)
 - iv. ECU Information – Part Number
- 10) Body ECU system support includes new diagnostic coverage for the following ECUs:
- a. Supplemental Restraint System (SRS)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. ECU Information – Part Number
 - b. Body Control Module (BCM)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters
 - iii. Actuator output controls
 - iv. ECU Information – Part Number
 - c. Intelligent Power Distribution Module (IPDM)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters
 - iii. Actuator output controls
 - iv. ECU Information – Part Number
 - d. Meter (METER)
 - i. Read/Clear of Diagnostic Trouble Codes
 - ii. Diagnostic data parameters
 - iii. ECU Information – Part Number

e. MTS 3100 screenshot examples of new functionality:

```
Current CVT Fluid
Deterioration Date

210001

If value exceeds
210000, CVT Fluid
change is required.

Press [ENTER] to
reset Date.

24 March 2009 16:26:30
MTS 3100 Mastertech © Robert Bosch LLC
```

CVT Fluid Deterioration Reset used to reset Oil Life in the TCM.

```
TCM User List SNAPLIST
Engine Speed.....0RPM
PC Sol A Output.....200mA
Veh Spd Mtr.....0MPH

PC Solenoid A.....200 mA
Wait: Manual Trigger
24 March 2009 16:48:56
MTS 3100 Mastertech © Robert Bosch LLC
```

PC Solenoid A output controls allow commanded current in 200mA increments in the TCM..

Nissan/Infiniti Product Bug Fixes

None

Nissan/Infiniti Known Bugs/Anomalies

Year	Make	Model	Title	SW-Version	TSB Number
2004-2008	Nissan	All	Nissan module reports "No Data Response" when selected	Reported -MFT Pro V9.1	TSB-M3S_9-1_Nissan_01
2004-2008	Nissan	All	Nissan ECM Pid "A/F Alpha Bank x" does not display when selected in User list	Reported -MFT Pro V9.1	TSB-M3S_9-1_Nissan_02
2007-2008	Nissan	Frontier	Frontier Crew Cab does not Auto ID	Reported -MFT Pro V9.1	TSB-M3S_9-1_Nissan_03
2008	Infiniti	M35/M45	2008 M35/M45 2 ECMs are selectable in Powertrain section	Reported -MFT Pro V9.1	TSB-M3S_9-1_Nissan_04
2007-2008	Nissan	Maxima	2007-2008 Maxima may display an invalid TCM data list for selection	Reported -MFT Pro V9.1	TSB-M3S_9-1_Nissan_05

MFT Pro Global OBD II Coverage

- 11) Since the Global OBD II function is compliant to current industry standard SAE J1979, there is no specific vehicle coverage:
- a. 1994-2010 All Vehicles – Global OBD implements functionality which works with vehicle systems that are in compliance with CARB OBD II regulations 1968, 1968.1, and 1968.2 (ECM, TCM, HVCM, etc)

MFT Pro Global OBD II Diagnostic Functions

- 12) The new Scantest 2009 Release 1 (v9.1) Bosch Aftermarket software for MTS 3100 Mastertech has increased functionality for OBD II compliant vehicles:
- a. DTC Table Update: The table that describes descriptions for specific Diagnostic Trouble Codes (DTCs) has been updated.
 - b. Service \$08 Enhancement: The Test ID \$02 "Diesel Particulate Filter Regeneration" has been implemented per the latest specification.

MFT Pro Global OBD II Product Bug Fixes

Year	Make	Model	Title	SW-Version	BugReference
All	All	All CAN	Error \$CA display after CAN VIM download	Reported – MFT Pro v7.3	138

MFT Pro Global OBD II Known Bugs/Anomalies

Year	Make	Model	Title	SW-Version	TSB Number
All	All	All	Mode 08 Negative Response Error	Reported -MFT Pro V9.1	TSB-M3S_9-1_MFT_01
All	All	All	Mode 08 may be incorrectly selectable	Reported -MFT Pro V9.1	TSB-M3S_9-1_MFT_02

Toyota Aftermarket Coverage

The Toyota release consists of software bug fixes to the existing software. There is no new functionality to the application.

Toyota Product Bug Fixes

Year	Make	Model	Title	SW-Version	BugReference
All	Toyota/Lexus	All CAN	CAN VIM update during CODES (All)	Reported – 14.1a R036	137
All	Toyota/Lexus	All CAN	CODES (All) displays “ERR” for some ECUs	Reported – 14.1a R035	139

Toyota Known Bugs/Anomalies

Year	Make	Model	Title	SW-Version	TSB Number
All	All	All CAN	CAN Bus Check display incorrect list of ECUs	Reported – 14.1a R037	TSB-Toyota_R037_01

Scantest 2009 Release 1 (v9.1) New Functionality Application Chart

New Functionality	Updated SW Application	Read & Clear DTC	Data Parameters	Output Controls	Comments
MY2007-08 Engine Systems	Nissan/Infiniti Powertrain, Chassis, Body Systems	X	X	X	New 07-08 ECM systems (CAN protocol)
MY2007-08 Transmission Systems		X	X	X	New 07-08 CVT/TCM systems (CAN protocol)
MY2008 Antilock Brake Systems		X	X	X	Existing
MY2008 Supplemental Restraint Systems		X			Existing
MY2007-08 Body Control Module Systems		X	X	X	New 07-08 BCM systems (CAN protocol)
MY2007-08 Intelligent Power Distribution Module Systems		X	X	X	New 07-08 IPDM systems (CAN protocol)
CVT Deterioration Reset (TCM on CAN protocol)		-	-	X	CVT (CAN protocol)
PC Solenoid Commanded Current				X	CVT (CAN protocol)
MY2008 Engine Systems	Honda/Acura Powertrain, Chassis, Body Systems	X	X	X	New 2008 PGM-FI ECUs
MY2008 Transmission Systems		X	X	X	New 2008 AT/CVT ECUs
MY2008 Antilock Brake Systems		X	X	X*	New 2008 ABS/TCS/VSA ECUs
MY2008 Supplemental Inflatable Restraint Systems		X	X	-	New 2008 SIR ECUs
MY2004-08 Multiplex Integrated Control Unit (MICU, MICU (AS/DR))		X	X	-	New 04-08 MICU ECUs
MY2004-08 Gauge Control Module (METER)		X	X	-	New 04-08 METER ECUs
MY2004-08 Heating, Venting, Air Conditioning (HVAC)		X	X	-	New 04-08 HVAC ECUs

MY2004-08 Center Panel Module (CPM)		X	X	-	New 04-08 CPM ECUs
MY2004-08 EVAP Multi-Solenoid Controls		-	-	-	New EVAP System Multi-Solenoid Controls
MY2006-08 CAN Fuel Injector Control		-	-	-	New CAN Fuel Injector Controls
MY2008 EGR System Test PCM		-	-	-	Perform EGR System Test

* = No Controls are available on ECUs with H92 or Keyword protocol



B. Mastertech VCI Diagnostic Application Enhancements

Software Strategy

Software which enables Mastertech VCI functions can be thought of as separate applications, each of which performs a specific set of tasks. The main specialized areas are Shop Foreman Pro, VCI Manager, and Virtual Mastertech.

- **Shop Foreman Pro** is the means by which users interact with the Mastertech VCI. The device is controlled by and sends data to Shop Foreman Pro.
- **VCI Manager** provides a means for software updates, checking device status, and personal computer to device connection setup features.
- Finally, the **Virtual Mastertech** is the software component which provides a foundation where premium MTS 3100 software, which has been used by many diagnostic technicians for years now, is used on today's vehicles on an all-new industry leading hardware device.

Providing this background information to the reader is important such that all users commonly understand that Virtual Mastertech coverage and it's functionality will rise and expand to a level equal to MTS 3100 Mastertech capabilities. In subsequent Mastertech VCI software releases, this trend will continue where both MTS 3100 Mastertech and Mastertech VCI software versions are functionally equal, thereby providing more than one platform with the same diagnostic capability!

So you now know our thinking. Straight-away our goals are to far surpass any previous Bosch Diagnostics product offering with features that make you, the Technician who intends to excel at a skilled art, the best that you can be.



Product Bug Fixes

- 1) Known as Bugs or Anomalies, these are Mastertech VCI issues which were addressed in this release:

Year	Make	Model	Title	Defect No.	Priority	SW-Version	Status
2007	GM	HHR	GM Module Status - 07 HHR - No Clearing of DTCs	45	3-High	M-VCI v9.1.x	Closed
2007	Ford	Fusion	Loss of Communication to HSCAN and MSCAN Networks	47	2-Medium	M-VCI v9.1.x	Closed
1998	GM	Venture Van	Bogus Wheel Speeds Values Displayed	52	3-High	M-VCI v9.1.x	Closed
1998	GM	Venture Van	GM Chassis ABS System - 6303 App - PID Values Wrong or Not Updating	53	3-High	M-VCI v9.1.x	Closed
2003	Pontiac	Grand Prix	M3S Chassis ABS - No Communication to ABS ECU	55	3-High	M-VCI v9.1.x	Closed
2000	Honda	Accord	Global OBD II - Honda - Other System Tests Results in Loss of Communication	58	3-High	M-VCI v9.1.x	Closed
1996	Chrysler	Town & Country	Chrysler 6303 App - Unstable Data Link	59	3-High	M-VCI v9.1.x	Closed
2004	Dodge	Durango	Tester Does Not Recognize DLC Disconnection	60	3-High	M-VCI v9.1.x	Closed
	Chrysler		DCX CAN Module Status - Needs to Recognize DLC Disconnection From Vehicle or ECU	64	3-High	M-VCI v9.1.x	Closed
2001	Nissan	Nissan	Intermittent loss of communication	69	2-Medium	M-VCI v9.1.x	Closed
	All		CAN flow control response algorithm is incorrect	72	3-High	M-VCI v9.1.x	Closed
1995	Cadillac	OBPA	No comm in RSS application	74	3-High	M-VCI v9.1.x	Closed
2000	Honda	Odyssey	Tester Displays Blank Screen when Vehicle Information is Not Available	76	3-High	M-VCI v9.1.x	Closed
N/A	N/A	N/A	User Requested to Update CAN VIM message	102	2-Medium	M-VCI v9.1.x	Closed
1995	Cadillac	Model 5.7L	Engine data list flashes while viewing data	132	1-Low	M-VCI v9.1.x	Closed
			Graphical Mode - Streaming Data to SFP After Saving	184	3-High	M-VCI v9.1.x	Closed
2008	Chrysler	Sebring	Chrysler CAN - Auto ID Not Working First Time	185	2-Medium	M-VCI v9.1.x	Closed
			VMT Slow Response between Application Selections (7-Second Timer Repair)	191	2-Medium	M-VCI v9.1.x	Closed
N/A	N/A	N/A	Global OBD II - CAN Systems - Timeout in VMT Log Response Messages	194	2-Medium	M-VCI v9.1.x	Closed
2008	Toyota	Prius	2008 Toyota Prius - Code Clean Up Message is Displayed	226	3-High	M-VCI v9.1.x	Closed
2005	Honda	Element	Honda H92 Appears Broken - No Communication with Vehicle	285	3-High	M-VCI v9.1.x	Closed
2003	Honda	Accord	Global OBD II Crashes When Accessing Monitor Tests	289	3-High	M-VCI v8.3.x	Closed
2004	Dodge	Durango (bench ECU)	Global OBD II multiple ECU functionality is broken	312	3-High	M-VCI v9.1.x	Closed

- 2) In VCI Setup, if a user clicked in between Check boxes an otherwise invisible Check box would appear. This anomaly is fixed.
- 3) In Shop Foreman Pro Install Shield will now install for all users with Administration rights (and will not install for Guest users) (Vista OS Only)

Mastertech VCI Known Bugs/Anomalies

Year	Make	Model	Title	SW-Version	TSB Number
Any	GM	HHR	GM LAN Module Status Inaccurate Display of PCM Status.pdf	V9.1	TSB_M-VCI_9.1_01
Any	GM	HHR	GM LAN Module Status is Slow to Update ECU Status.pdf	V9.1	TSB_M-VCI_9.1_02
Any	GM	HHR	GM Module Status Slow To Display DTCs.pdf	V9.1	TSB_M-VCI_9.1_03
Any	Toyota	Any	Toyota CAN BUS CHECK display incomplete list o....pdf	V9.1	TSB-Toyota_R037_01
All M3S version 9.1 TSBs also apply to the M-VCI version 9.1 release.					

C. Shop Foreman Pro Diagnostic Application Enhancements

Shop Foreman Pro Updates

Specifically, this release updates MTS 3100 and Mastertech VCI software. Please see sections A and B.

For release notes on SFP v5.0, please review the prior version of this document.

Version Information

Version Information for SFP v5.1:

Application	Version
Shop Foreman Pro	5.1.x.x
VCI Manager Software	9.1.x
VCI Firmware	9.1.x
Common Platform	v7.6.21
Getting Started Software	7.1.40
Virtual Mastertech Emulation Software	v1.1.346

PC Test Configuration Information

PC Configuration Used in Testing:

O.S	Microprocessor	Tested
Win 2K (SP4)	32-bit	Yes
Win XP (SP2)	32-bit	Yes
Win XP	64-bit	No
Win VISTA	32-bit	Yes
Win VISTA	64-bit	No

Note: Installation testing included updating from current customer version (8.3.x) to current release (9.1.x) on the above operating systems with a "Yes" in the tested column.

C. Software Security

1. All future software delivery will be through the Bosch Licensing Management web portal (VLMS). Anyone current and active in VLMS will receive automatic e-mail notification of the update when it is uploaded.