

VCM 2007.1 DVD Release Note

The VCM 2007.1 DVD includes both **IDS** (Integrated Diagnostic Software) and **PDS** (Portable Diagnostic Software) tools.

Diagnostic coverage includes most **1996 – 2008 MY** (produced 1995 – 2007) Ford, Lincoln/Mercury & Mazda vehicles.

Coverage has been extended with the following additions:

FORD

Model additions

North America

	2008	F-650 – F-750
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Europe

	2007	C-Max/Focus
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	2007.5	Galaxy Mondeo
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ROW

	2007.25	Galaxy Focus FFV
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	2007.5	EcoSport Fiesta
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	2007.75	EcoSport A
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	2008	Fiesta
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MAZDA

Model additions

Japan

	PREMACY (CR) FAMILIA VAN	LFG CR12, HR15, MR18
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Europe

	Mazda3 (BK)	RF
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Ford, Mercury, Lincoln vehicles:

PDS & IDS 47 Releases support the following Diagnostic & Service Tools:

Diagnostic Functionality	PDS (VCM + Pocket PC)	IDS (VCM + Laptop + VMM)	
		VCM Required	VMM Required
Self Test			
Retrieve CMDTC's	X	X	
KOEO (Key-On-Engine-Off)	X	X	
KOER (Key-On-Engine-Running)	X	X	
Data Logger			
Body	X	X	
Chassis	X	X	
Electrical	X	X	
Powertrain	X	X	
Pressure/Vacuum Tests		X	X
Network Test	X	X	
Module Programming			
Programmable Module Installation (PDS - Some vehicles and some modules)	X	X	
Module Reprogramming (PDS - Some vehicles and some modules)	X	X	
Programmable Parameters (PDS - Some vehicles and some modules)	X	X	
Body Tools			
PATS Functions	X	X	
Remote Keyless Entry	X	X	
Factory Keyless Entry Code	X	X	
Restraints	X	X	
Chassis Tools			
ABS Service Bleed	X	X	
IVD Initialization Sequence	X	X	
Ride Height Calibration	X	X	
Pneumatic Test		X	
Accurate Trim Test		X	
Electrical Tools			
Charging System Test		X	X
Parking Aid Switch Test	X	X	
Audio		X	
Powertrain Tools			
EVAP Test	X	X	
Fuel Economy Test		X	

Fuel System Test/Relative Injector Flow Test (IDS - Some vehicles require only VCM)		X	X
Ignition System Test		X	X
Spark Duration PIDs		X	
Power Balance Test	X	X	
Relative Compression Test		X	
Transmission Test (IDS - Some vehicles require only VCM)	X	X	X
Engine Checks and OBD Tests (Drive Cycle, Mode 01, Mode 06 & Mode 09)	X	X	
EGR Test		X	
Other Powertrain tests & functions	X	X	
Digital Multimeter			
Basic DMM functions (Volts, resistance, frequency)			X
Current measurements (50 Amps/500 Amps)			X
Pressure/Vacuum measurements with PVT			X
Oscilloscope Tools			
Oscilloscope			X
Alternator ripple			X
COP (Coil-On-Plug) stress test			X
Signal Generator Monitor (SGM)		X	X
Vehicle Data Recorder (VDR)		X	

Notes:

- Current measurement and current probes are new for IDS
- IDS uses a new, digital PVT, which has a built-in microprocessor
- VDR will require a new adapter cable and VDR power supply to work with IDS
- On certain vehicles that also require the use of a VMM, the IDS Fuel System Test / Relative Injector Flow Test will require a new optional diagnostic cable, called a 16-way adapter, Part # 164-R9537.

If you experience IDS operation issues, please refer to the IDS troubleshooting guide located on the System Utilities page.



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Mazda specific PDS & IDS 47 Releases support the following Diagnostic & Service Tools:

Diagnostic Functionality	PDS VCM + P-PC	IDS VCM + Laptop
Self Test		
KOEO (Key-On-Engine-Off)	X	X
KOER (Key-On-Engine-Running)	X	X
Data Logger		
Body	X	X
Chassis	X	X
Electrical	X	X
Powertrain	X	X
Modules	X	X
Mazda Vehicle Check-up		X
Vehicle Communication Network		
Network Test	X	X
Module Programming		
Programmable Module Installation	X	X
Module Reprogramming	X	X
Programmable Parameters	X	X
Body		
PATS & SKE Functions	X	X
Part Initialization, Data Reset and Learning (Limited function on PDS)	X	X
Passenger Seat Weight Sensor Re-zero	X	X
Chassis		
Part Initialization, Data Reset and Learning (Limited function on PDS)	X	X
Electrical		
Part Initialization, Data Reset and Learning (Limited function on PDS)	X	X
Powertrain		
EVAP Test	X	X
Power Balance Test	X	X
Relative Compression Test		X
Engine Checks and OBD tests (Mode 01, Mode 06, and Mode 09)	X	X