

DIAG4[®]

BIKE

**Professional diagnostic tool for
Harley-Davidson
workshops and tuning centers**

Serial diagnostics

Diagnostics of electronic fuel injection module (EFI) and others (Security modules, ABS, etc.) through the diagnostic connector.
The kit contains communication interface with Harley-Davidson adapter, USB cable for connection to your Laptop (PC) and software running on Windows XP, Vista and 7. A version of the interface is also available using wireless Bluetooth communication. Softtail 2011 adapter is an option (under preparation)

Harley-Davidson PRO-11.0

(11 – models up to 2011; 0 – update number, future updates in preparation and free of charge)

Global test Searching and identifying of all embedded control units and reading fault memory + Generating a diagnostic report + printing

Ignition Module

EFI (Electronic Fuel Injection Module)

TSSM (Turn Signal Security Module).....Key FOB with button

HFSM (Hands Free Security Module).....Key FOB without button

Gauges (Speedo, Tacho and Instrument Module)

ABS Module

Radio

Read and Clear Diagnostic Trouble Codes.....All modules

Read Identification data (parts number, VIN number).....All modules

Monitoring real-time data (throttle position, temperature, oxygen sensors, turn signals etc.)

Test actuators (injectors, coils, main relay, fuel pump, idle, turn signals, tachometer, lamps etc.)

Idle speed adjustment 800 - 1200 rpm (models with Delphi Electronic Fuel Injection Module)

TSSM configuration.....PIN read/change, Auto arming disable/enable etc.

HFSM configuration.....Key FOB assignment/replacement, Auto arming disable/enable, PIN read/change

Buell diagnostics is involved in Harley-Davidson diagnostics

Note: CAN ready

Diagnostics in preparation: Softtail 2011, Module replacement, EITMS and Exhaust flap enable/disable



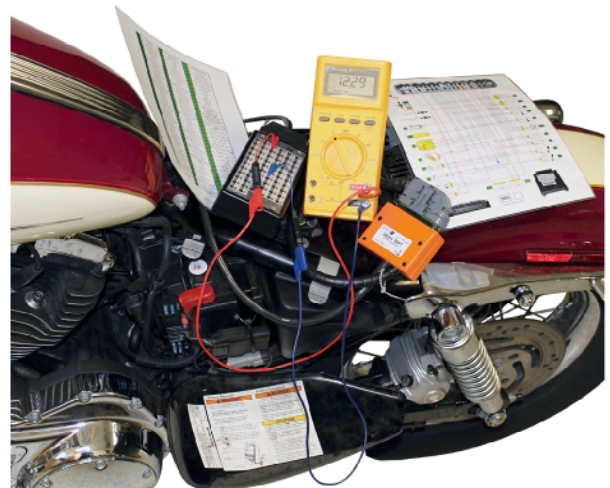
Zodiag P/N - Description
732050 DIAG4BIKE USB Interface
732051 DIAG4BIKE USB+Bluetooth Interface
732052 Diagnostic SW for H-D + HD adapter

Parallel diagnostics

Parallel diagnostics is designed for measuring input and output signals on the electronic fuel injection module (EFI) and others modules.
Measurements can be made also on running engines.

The kit consists of a set of cables and a breakout box. The breakout box is inserted between the EFI module and the motorcycle's wiring harness so that the system continues to function as normal. Monitoring points for all connector pins of the EFI are clearly arranged on the breakout box.
It is possible to measure signals and waveforms from all systems and actuators.

Disconnecting the ECU from the breakout box allows quick and reliable check of the integrity of the wiring harness in respect of continuity, and leakage currents.



732053
Breakout diagnostic box 62 pins



732054
Adapter 36P for EFI Delphi



732055
Adapter 35P for EFI Marelli



Harley-Davidson Models	Year	ECM Module (System)		TSSM Module/ HFSM Module	Instrument Module	Speedo Module	Tacho Module	ABS	Radio
Sportster	2003-2006	VDO IGN	B						
	2007-2010	Delphi	A	A	D	D	D		
Dyna	1999-2006	VDO IGN	B						
	(1995-2001)	Magneti Marelli	B						
	2001-2010	Delphi	A	A	D	D	D		
Softail	(1995-2001)	Magneti Marelli	B						
	2001-2010	Delphi	A	A	D	D	D		
Electra Glide	(1995-2001)	Magneti Marelli	B						
	2001-2010	Delphi	A	A	D	D	D	C	E
Road King	(1995-2001)	Magneti Marelli	B						
	2001-2010	Delphi	A	A	D	D	D	C	
VRSC	2001-2010	Delphi	A	A	D	D	D		
Buell Models	to 2010	B							

Range of functions

	A	B	C	D	E
ECU information	Read / Erase Fault	Read / Erase Fault	Read / Erase Fault	Read / Erase Fault	Read / Erase Fault
Parameters					
Actuators					
Special functions					

Special functions

	Idle Speed Adjustment	Idle Speed Reset	Module replacement	EITMS Enable/Disable	Exhaust flap Enable/Disable
ECM Special functions	Warn Alarm	Storage mode time	Auto arming	Side car	PIN read/change
TSSM Special functions	Sensitiv Adjust.				
HFSM Special functions	PIN read/change	FOB assignment/replacement	Auto arming Enable/Disable		
Global test	Searching and identifying of all embedded control units and reading fault memory Generating a diagnostic report + printing				

Abbreviations

ECM	Electronic Control Modul
TSSM	Turn Security Signal module (Key FOB with button)
HFSM	Hands Free Security Module (Key FOB without button)
EITMS	Engine idle temperature management system

Color code

Light Blue	Diagnosis is functional
White	Diagnosis is in development
Gray	Control unit is not occupied on a motorcycle
Yellow	What is new since last update