

Professional diagnostics & tuning tool for
workshops and tuning centers

Serial diagnostics - HW

HARLEY-DAVIDSON[®] & BUELL[®], INDIAN[®] & VICTORY[®]

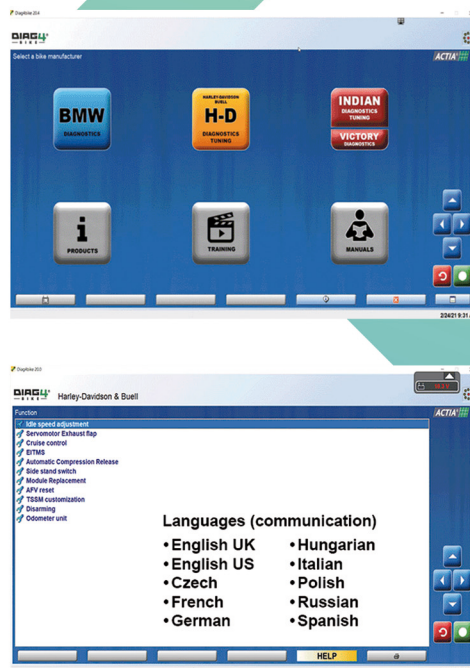
Version 22.1

Our aim is to provide the user of **DIAG4BIKE** with a diagnostic tool that is comparable to the original diagnostic equipment for the brands in terms of common diagnostic operations.

It enables the user to perform diagnostics of electronic fuel injection modules and others (i.e. security modules, ABS etc.) through the diagnostic connector on the vehicle. The kit contains a **communication interface** with the necessary **adapter(s)**, a **USB cable** for connection to your laptop (or PC) and **diagnostic software** that is compatible with **Windows 7, 8 and 10**. There is also a wireless **Bluetooth version** of the communication interface available.



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Reference	CCE	ZODIAC	ATAL
Communication interface USB	653745	732050	AT532 5006
Communication interface USB+BT	653746	732051	AT532 5007
Software Indian [®] & Victory [®]	890084	732043	AT531 5051
Software Harley-Davidson [®]	653747	732056	AT531 5049

EUROPEAN DISTRIBUTORS



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Serial diagnostics - SW

INDIAN® & VICTORY®

VERSION 21.3

Includes functions to perform diagnostics of all embedded control units through the diagnostic connector on the motorcycle. The kit contains a communication interface with a **INDIAN® & VICTORY®** adapter, a **USB cable** for connection to your laptop (or PC) and diagnostic software that is compatible with **Windows 7, 10 and 11**. There is also a wireless Bluetooth version of the communication interface available.

Motorcycle diagnostics for model year 2021 and older

Models

Indian – 2014 - 2021
Victory – 2008 - 2017

Overview of control units that can be diagnosed and functions

Engine control module
ABS control module
Gauge (Speedo, Tacho ...) module
Vehicle control module
Radio control module

Read Vehicle information
Reading / erasing errors
Reading parameters



Motorcycle report

Search for and identify all embedded control units, read fault code memory + generate and print a diagnostic report

Software Kit included

Adapter Indian® & Victory®
SW installation on USB disk
SW licence code
Multi-Dongle



Engine tuning INDIAN® MOTORCYCLE

TUNING STRATEGY

Version 22.1

- The tuning system focuses on INDIAN engines equipped with BOSCH EFI
- The tuning system is based on diagnostic system **DIAG4BIKE**. **DIAG4BIKE** is the professional diagnostic tool for INDIAN Motorcycles. To tune an individual motorcycle a MULTI DONGLE and a tuning license and, must be purchased that can be used for that specific motorcycle.
- The tuning process does not require the installation of additional component(s) or any motorcycle harness modification. Tuning is based on the modification of EFI Calibrations (software modification) exclusively via the diagnostic connector.
- The first step in Tuning is storage of the original EFI Calibration. The tuning operator can restore the original EFI Calibration at any time during tuning process.
- The tuning process is used to optimize Fuel Maps in case of any changes to the configuration of engine components or accessories (exhaust or/and intake system etc.)

ADVANCED TUNING

Advance tuning method provides ability to use an embedded database of calibrations.

These calibrations (maps) are pre-set for several configurations of exhaust and intake components (open exhaust, intake and combinations). These calibrations are not editable (yet). Advanced tuning method provides important improvement of engine functions.

Necessary Tuning Components:

DIAG4BIKE



Reference
CCE: 853 745(6)
ZODIAC: 732 050(1)
ATAL: AT532 5006(7)

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Functional set

Reference:
CCE: 890084
ZODIAC: 732043
ATAL: AT531 5051



MULTI DONGLE



Reference
CCE: 921 209
ZODIAC: 735 448
ATAL: AT531 4094.B



Model not produced
Under preparation
Calibrations available

Model / Year	2014	2015	2016	2017	2018	2019	2020	2021
Scout		X	X	X	X	X	X	X
Scout Bobber					X	X	X	X
Scout Sixty			X	X	X	X	X	X
Chief	X	X	X	X	X		X	X
Chief Classic	X	X	X	X	X		X	X
Chief Vintage	X	X	X	X	X	X	X	X
Chief Dark Horse			X	X	X	X	X	X
Chieftain / 116	X	X	X	X	X	X	X	X
Chieftain Classic / 116					X	X	X	X
Chieftain Dark Horse / 116			X	X	X	X	X	X
Chieftain Limited / 116				X	X	X	X	X
Roadmaster / 116		X	X	X	X	X	X	X
Roadmaster Classic / 116				X	X		X	X
Roadmaster Elite / 116					X	X	X	X
Springfield / 116			X	X	X	X	X	X
Springfield Dark Horse / 116					X	X	X	X
Challenger								
FTR 1200 / S								

List of currently supported models available on
www.diag4bike.com/indianmodels

List of all available maps for Indian® motorcycles

Year	Model	Engine cu in	Map Level	Air filter	Exhaust*
2014	Chief / Classic / Vintage	111	2	Open	Open
2014	Chieftain	111	2	Open	Open
2015	Chief Classic / Vintage	111	2	Open	Open
2015	Chieftain	111	2	Open	Open
2015	Roadmaster	111	2	Open	Open
2016	Chief / Classic / Dark Horse / Vintage	111	2	Open	Open
2016	Chieftain / Dark Horse	111	2	Open	Open
2016	Roadmaster	111	2	Open	Open
2016	Springfield	111	2	Open	Open
2017	Chief Classic / Dark Horse / Vintage	111	2	Open	Open
2017	Chieftain / Dark Horse / Limited	111	2	Open	Open
2017	Roadmaster / Classic	111	2	Open	Open
2017	Springfield	111	2	Open	Open
2018	Chief / Classic / Dark Horse / Vintage	111	2	Open	Open
2018	Chieftain / Classic / Dark Horse / Limited	111	2	Open	Open
2018	Roadmaster / Classic / Elite	111	2	Open	Open
2018	Springfield / Dark Horse	111	2	Open	Open
2019	Chief Dark Horse / Vintage	111	1	K/N	Stock
2019	Chief Dark Horse / Vintage	111	1	Indian Stg 1	Stock
2019	Chieftain / Classic / Dark Horse / Limited	111	1	K/N	Stock
2019	Chieftain / Classic / Dark Horse / Limited	111	1	Indian Stg 1	Stock
2019	Roadmaster / Elite	111	1	Indian Stg 1	Stock
2019	Roadmaster / Elite	111	1	K/N	Stock
2019	Springfield / Dark Horse	111	1	K/N	Stock
2019	Springfield / Dark Horse	111	1	Indian Stg 1	Stock
2019	Springfield / Dark Horse	111	1	K/N	Stock
2019	Chief Dark Horse / Vintage	111	2	Indian Stg 1	Dr.Jekill & Mr.Hyde, open flap
2019	Chief Dark Horse / Vintage	111	2	Open	Open
2019	Chief Dark Horse / Vintage	111	2	K/N	Freedom Performance STDS*, NO quiet baffle
2019	Chief Dark Horse / Vintage	111	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2019	Chieftain / Classic / Dark Horse / Limited	111	2	Open	Open
2019	Chieftain / Classic / Dark Horse / Limited	111	2	K/N	Freedom Performance STDS*, NO quiet baffle
2019	Chieftain / Classic / Dark Horse / Limited	111	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2019	Chieftain / Classic / Dark Horse / Limited	111	2	Indian Stg 1	Dr.Jekill & Mr.Hyde, open flap
2019	Roadmaster / Elite	111	2	K/N	Freedom Performance STDS*, NO quiet baffle
2019	Roadmaster / Elite	111	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2019	Roadmaster / Elite	111	2	Indian Stg 1	Dr.Jekill & Mr.Hyde, open flap
2019	Roadmaster / Elite	111	2	Open	Open
2019	Springfield / Dark Horse	111	2	Open	Open
2019	Springfield / Dark Horse	111	2	K/N	Freedom Performance STDS*, NO quiet baffle
2019	Springfield / Dark Horse	111	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2019	Springfield / Dark Horse	111	2	Indian Stg 1	Dr.Jekill & Mr.Hyde, open flap
2020	Chief Dark Horse / Vintage	111	2	Open	Open
2020	Chieftain / Classic	111	2	Open	Open
2020	Springfield	111	2	Open	Open

Note:

All calibrations are available for US and EU

* Exhaust:

Freedom Performance STDS* - Sharktail True Dual Systems	Distributor ZODIAC International
Freedom Performance Radical radius	
Dr.Jekill & Mr.Hyde	CUSTOM CHROME Europe
V-Performance (maps under preparation)	Distributor ZODIAC International

List of all available maps for Indian® motorcycles

Year	Model	Engine cu in	Map Level	Air filter	Exhaust *
2016	Scout Sixty	60	2	Open	Open
2017	Scout Sixty	60	2	Open	Open
2018	Scout Sixty	60	2	Open	Open
2019	Scout Sixty	60	2	Open	Open
2020	Scout Sixty	60	2	Open	Open
2015	Scout	69	2	Open	Open
2016	Scout	69	2	Open	Open
2017	Scout	69	2	Open	Open
2018	Scout / Scout Bobber	69	2	Open	Open
2018	Scout Bobber	69	1	S&S	Stock
2018	Scout Bobber	69	1	K/N	Stock
2018	Scout Bobber	69	2	K/N	TBR 2in1
2018	Scout Bobber	69	2	K/N	Freedom Performance Radical radius WITH quiet baffle
2018	Scout Bobber	69	2	S&S	Freedom Performance Radical radius WITH quiet baffle
2018	Scout Bobber	69	2	S&S	TBR 2in1
2018	Scout Bobber	69	2	S&S	Freedom Performance mufflers WITH quiet baffle
2019	Scout / Scout Bobber	69	2	Open	Open
2019	Scout Bobber	69	1	S&S	Stock
2019	Scout Bobber	69	1	K/N	Stock
2019	Scout Bobber	69	2	S&S	Freedom Performance Radical radius WITH quiet baffle
2019	Scout Bobber	69	2	S&S	TBR 2in1
2019	Scout Bobber	69	2	S&S	Freedom Performance mufflers WITH quiet baffle
2019	Scout Bobber	69	2	K/N	TBR 2in1
2019	Scout Bobber	69	2	K/N	Freedom Performance Radical radius WITH quiet baffle
2020	Scout / Scout Bobber	69	2	Open	Open

Year	Model	Engine cu in	Map Level	Air filter	Exhaust*
2020	Chieftain / Dark Horse / Elite	116	1	K/N	Stock
2020	Roadmaster 116 / Dark Horse 116 / Elite	116	1	K/N	Stock
2020	Springfield Dark Horse / Limited	116	1	K/N	Stock
2020	Chieftain / Dark Horse / Elite	116	2	Open	Open
2020	Chieftain / Dark Horse / Elite	116	2	K/N	Freedom Performance STDS*, NO quiet baffle
2020	Chieftain / Dark Horse / Elite	116	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2020	Roadmaster 116 / Dark Horse 116 / Elite	116	2	K/N	Freedom Performance STDS*, NO quiet baffle
2020	Roadmaster 116 / Dark Horse 116 / Elite	116	2	Open	Open
2020	Roadmaster 116 / Dark Horse 116 / Elite	116	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2020	Springfield Dark Horse / Limited	116	2	K/N	Freedom Performance STDS*, WITH quiet baffle
2020	Springfield Dark Horse / Limited	116	2	K/N	Freedom Performance STDS*, NO quiet baffle
2020	Springfield Dark Horse / Limited	116	2	Open	Open
2021	Scout/Bobber	69	2	Open	Open
2021	Scout/Bobber Sixty	60	2	Open	Open
2021	Roadmaster/Chieftain	116	2	Open	Open
2021	Roadmaster/Chieftain/Springfield	116	2	Open	Open
2021	Chieftain/Springfield	111	2	Open	Open
2021	Springfield Dark Horse	116	2	Open	Open
2021	Chief / Vintage	111	2	Open	Open

Note:

All calibrations are available for US and EU

*** Exhaust:**

Freedom Performance STDS* - Sharktail True Dual Systems	Distributor ZODIAC International
Freedom Performance Radical radius	
Dr.Jekill & Mr.Hyde	CUSTOM CHROME Europe
V-Performance (maps under preparation)	Distributor ZODIAC International

List of all available maps for Indian® motorcycles

Year	Model	Engine	Level	Description
2021	Scout / Bobber L3e-A2 (35kW) International	1133	2	Open Air filter & Exhaust
2021	Scout / Bobber L3e-A2 (35kW) International	1133	2	Open Air filter & 2in1 Exhaust
2021	Scout / Bobber Sixty L3e-A2 (35kW) International	1000	2	Open Air filter & Exhaust
2021	Scout / Bobber Sixty L3e-A2 (35kW) International	1000	2	Open Air filter & 2in1 Exhaust
2021	Scout / Bobber	1133	2	Open Air filter & Exhaust
2021	Scout / Bobber	1133	2	Open Air filter & Exhaust
2021	Scout / Bobber International	1133	2	Open Air filter & Exhaust
2021	Scout / Bobber International	1133	2	Open Air filter & 2in1 Exhaust
2021	Scout / Bobber Sixty	1000	2	Open Air filter & 2in1 Exhaust
2021	Scout / Bobber Sixty	1000	2	Open Air filter & Exhaust
2021	Scout / Bobber Sixty International	1000	2	Open Air filter & Exhaust
2021	Scout / Bobber Sixty International	1000	2	Open Air filter & 2in1 Exhaust
2021	Roadmaster / Chieftain (116 CI)	1890	1	Exhaust only
2021	Roadmaster / Chieftain (116 CI)	1890	2	Open Air filter & Exhaust
2021	Roadmaster / Chieftain / SF (116 CI) International	1890	1	Exhaust only
2021	Roadmaster / Chieftain / SF (116 CI) International	1890	2	Open Air filter & Exhaust
2021	Chieftain / SF (111 CI)	1811	1	Exhaust only
2021	Chieftain / SF (111 CI)	1811	2	Open Air filter & Exhaust
2021	Springfield Dark Horse(116 CI)	1890	1	Exhaust only
2021	Springfield Dark Horse(116 CI)	1890	2	Open Air filter & Exhaust
2021	Chief / Vintage (111 CI)	1811	2	Open Air filter & Exhaust
2021	Chief / Vintage (111 CI)	1811	1	Exhaust only

Note:

All calibrations are available for US and EU

* Exhaust:

Freedom Performance STDS* - Sharktail True Dual Systems	Distributor ZODIAC International
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