

DIAGNOSTIC & PERFORMANCE TOOLS

DIAGNOSTIC & PERFORMANCE

**CENTURION SUPER
PRO PLUS
+ LICENSE**



MULTI USE PERFORMANCE

**VCM-TR4
DEALER PACK
+ LICENSE**



SINGLE USE PERFORMANCE

**MAXIMUS
TUNER VCM**



EXHAUST MEASURING

**WIDEBAND O₂ SENSORS
+ INSTALLATION KIT**



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DIAGNOSTIC / PERFORMANCE



CENTURION SUPER PRO PLUS

- Works with all Harley-Davidson® and Indian® models of all years with Delphi® EFI systems
- Works with limited features for all Victory® models from 2003-current
- VCM data logging for diagnostics
- Bluetooth or USB connections
- Helpful and responsive tech support
- Fast data acquisitions and display
- Easy adapter system allowing for fast switching between motorcycle models
- Mobile dyno tuning
- Includes: VCM (Vehicle Communication Module), 6 Pin Cable, 4 Pin Cable, Victory OBD Cable, Indian Cables, Extension Cable, CAN Security Cable, USB Cable, Diagnostic USB Key, Master Key

NOTE: Requires a Windows® based PC, laptop or tablet.

PART # 3807-0314

ADDITIONAL TUNING LICENSE ENABLES TUNING CAPABILITIES!

Sold separately PART # 1020-2852

FEATURES

MAIN FEATURES

ABS Purge
Coolant Pump Testing
Data Logging & Data Analysis
Digital Dash Monitoring
ECU Read & Clear DTC
Full Diagnostic Report
Key FOB Coding
Model Year Bike Schematic Web Link
Multiple Meter Monitoring
Radio & Speaker Configuration
Recover Locked Security Modules (TSSM/HSFM/BCM)
Re-flash Blank ECU & Enter New VIN
Speedometer Calibration
Speedometer Pairing
Strip Chart Monitoring (up to 16 channels simultaneously)
System information
Tuning Capabilities
VCM Data Logging

ACTIVE TESTS

ABS Pump Motor Activation
ACR Compression
Chassis Fan
Coils
Coolant Pump
Cooling Fan
Drive by Wire Throttle Actuator
Fuel Pump
IAC
Idle RPM
Injectors
Front Apply/Release Solenoid
Rear Apply/Release Solenoid
Speedometer
System Relay
Tachometer
Throttle Actuator
Throttle Grip

FEATURES

ACTIVE SETTINGS

ABS Front Purge
ABS Rear Purge
Adjust Idle RPM
BCM, TSM, TSSM, HFSM module replace/marry to ECU
Disarming TSSM/HSFM/BCM
ECU Cloning of an Original ECU for a Blank ECU
Re-flash Blank ECU & Enter New VIN
Enable/Disable ACR
Enable/Disable Air Cleaner Value
Enable/Disable Alarm
Enable/Disable Auxiliary 1 & 2
Enable/Disable Chassis Fan
Enable/Disable Cruise Control
Enable/Disable EITMS
Enable/Disable Exhaust Valve
Enable/Disable Fork Lock
Enable/Disable Instrument TPMS
Enable/Disable Keyless Ignition Mode
Enable/Disable Lights Configuration (BCM)
Enable/Disable Oil Fan
Enable/Disable Power Lock
Enable/Disable Service Mode
Enable/Disable Side Car
Enable/Disable Side Stand
Enable/Disable SMS Text Messaging
Enable/Disable TPMS
ECU Read & Clear DTC
Radio, ABS, TSSM/HSFM/BCM,
Speedometer Read & Clear DTC
Fuel Tank Drainage
Key FOB Coding
Reset Air Fuel Value
Speedometer Calibration
TPMS Manual Sensor Coding
TPMS Replacement

RADIO ZONING

DOM (Domestic)
JPN (Japan)

FEATURES

RADIO ZONING (CONT)

NZL (New Zealand)
RUS (Russia)
BRZ (Brazil)
AUS (Australia)
HDI (Harley-Davidson® International)

RADIO CONFIGURATION

Amp 1 & 2
Aux 1 & 2
Bluetooth
CB

Intercom & More...

SPEAKER CONFIGURATION

Speaker w/o boom amp & enhanced equalizer
Speaker w/o boom amp & standard equalizer

BCM CONFIGURATION

ABS Installed
Fog
Head Light
Radio Installed
Service Mode
Side Car
Stop Light
Switchless Key & More...

INDICATOR LIGHTS

6th Gear
ABS Service
Alarm
Battery
Check Engine
Coolant Temperature
Cruise Control
High Beam
Low Fuel
Neutral
Oil
Security
Left & Right Turn Signal

More features available with further updates

VCM-TR4 PERFORMANCE

DEALER PACK

- For all Harley-Davidson® Delphi® EFI systems
- Includes: VCM-TR4, Master Key, 4-Pin & 6-Pin cable, Extension cable, USB cable, 2 digital licenses (for 2 motorcycles)
- Tune and modify ECU tables
- Back-up and restore the original map
- Fast data acquisitions and display
- Provides power from motorcycle for wideband O₂
- Record/monitor wideband O₂ sensors
- Ideal for any size workshop or dealer
- Provides the user with tools to modify the fuel-injection pulse-width, spark timing, and other calibration values, and then store them in ECU/ECM flash memory
- Adjust additional parameters by editing look-up tables
- The software also enables data monitoring & logging
- „Auto-Tuning“, available with an optional Wideband O2 controller permits tuning with even better precision
- With Direct Link (Flash-Tuner), you will maximize the performance of any fuel-injected race or street bike

PART # 1020-2851

ADDITIONAL DIGITAL TUNING LICENSE

FOR CENTURION SUPER PRO PLUS OR VCM-TR4

NOTE: Can be used on one motorcycle an unlimited amount of times, but not multiple motorcycles. Licenses cannot be returned.

PART # 1020-2852 SOLD EACH



MAXIMUS TUNER VCM

- Tune and modify ECU tables
- Back-up and restore the original map
- Auto mapping
- Fast data acquisitions and display
- Provides power from motorcycle for wideband O₂
- Record/monitor wideband O₂ sensors
- Single Use

NOTE: 4 pin (J1850) or 6 pin (CAN) cable connector are sold separately. Can be used on one motorcycle an unlimited amount of times, but not multiple motorcycles.

PART # 1020-2840

MAXIMUS CABLE CONNECTOR

4-PIN

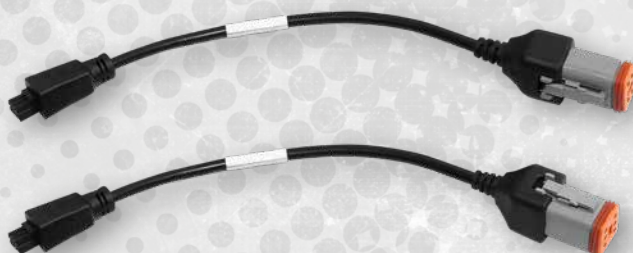
- For Harley-Davidson® Delphi® EFI systems: 01-10 All, 10-13 Touring, 10-11 Dyna®, 10-13 Sportster®, 10-17 V Rod

PART # 1022-0213

6-PIN

- For Harley-Davidson® Delphi® EFI systems: 14-18 Touring, 11-18 Softail®, 12-17 Dyna®, 14-18 Sportster®, 15-17 Street XG500/750

PART # 1022-0214





O₂ BUNG INSTALLATION KIT

- Complete kit to add 18 mm x 1.5" threaded bungs for O₂ sensors and O₂ tuning samplers
- Remove heat shields, install bung and tune; when completed, use included screw and copper washer to seal bung and then replace heat shield for unaltered finish
- No pump or sampling tube required and allows both cylinders to easily be monitored at the same time
- No welding
- Bung installation kit includes one hydraulic insertion tool, one drill bit, two O₂ sampler blocks, tubing, 25 rivnuts, 25 screws and 25 copper washers, all contained in plastic case
- Refill kit PART # 3807-0398 includes 25 each of bungs, plugs and copper washers, sold separately

PART # 3807-0378

DISCLAIMER: Products shown may be designed, manufactured, intended and sold for closed circuit race use only and use of the same on public roads or lands may be a violation of local, state and/or federal/EU laws.

DISCLAIMER: Check your applicable laws and manufacturer's publication(s) and/or website(s) for manufacturer's warranty, maintenance, safety, mounting and any regulatory compliance/non-compliance information.



WIDEBAND O₂ SENSOR SYSTEM TRO₂

- No calibration required
- Soft start technology
- 2 analog outputs, 1 digital input, 1 digital output
- Bosch LSU 4.2 sensor
- Compatible with multiple fuels
- Sensor is hand tested
- Digital precision
- Includes: 12V power input, 4 Prong Analog Clip, Termination Jumper, Serial RX Plug (In), Serial TX Plug (Out), Sensor Input Clip

PART # 1022-0215

TECH SUPPORT

HAVING AN ISSUE OR NOT SURE HOW TO USE A FEATURE?

PARTS/EUROPE

+49(0)6501 9695-2000



Our Sales Team is always happy to help you, whether you speak English, German, French, Spanish or Italian!

TECHNORESEARCH

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TechnoResearch's English speaking support team will help make using the tools as STRESS FREE as possible.