



2024 - Harley-Davidson Performance Catalog



DAYTONA-TWINTEC.COM

386.304.0700



Internal and external Ignitions pgs. 4 - 7 can be installed on virtually any HD V-Twin made from 1970-1999 (Shovelhead and EVO).

Our TC88 complete ignition kits support all Twin Cam V-Twin engines from 1999-2016.

EFI - We offer race designed Auto-Tuning ECU's that support the majority of HD bikes from 2001-2020.

If you need help understanding our products, please give us a call 386-304-0700.

TABLE OF CONTENTS

- 4- (1970-1999) All H-D V-Twin - Internal Ignitions - 1005
- 5- (1970-1999) All H-D V-Twin - VTi, Coil, Plug Wires & Ignition Kits
- 6- (1990-1999) Evo Engine - External Ignitions - 1006/1007
- 8- (1999-2006) TC88 Engine - Ignition Modules - 1008/1009
- 10- (2001-2020) Twin Tuner II / Twin Tuner - OE EFI Adjustment
- 11- (2001-2020) Code Scanning/ABS Brakes - Twin Scan II & IV
- 12- (2001-2017) Auto Tune ECU - TCFI 4/5/6/7 - Twin Cam Engines
- 14- (2018-2020) Auto Tune ECU - M8FI - M8 Engines
- 16 - (2001-2020) Fuel Injectors - Twin Cam - M8 - V-Rod
- 18- (2002-2017) Auto Tune ECU - VRFI - V-Rod

*We Support Emissions Legal Performance!!
Many of our products have been issued CARB EO numbers.*



1005 SERIES - H-D INTERNAL IGNITION (1970-1999)

EASY TO INSTALL • RPM LIMITER • TIMING CONTROL

1005 - Internal ignition replaces the OEM ignition on all 1970-1999 V-Twin Harley-Davidson® Engines. The 1005 electronic ignition gives you total control of timing and it is triggered by the stock "83" rotor that is mounted to the camshaft and is mounted under the engine "nose cone". Several versions of the 1005 ignition are available to fit your exact bike.



- Wide Timing Adjustment Range
- Stock To Heavily Modified Engines
- Kick-Start Mode
- Single Or Dual Fire

- Multi-Spark For Smooth Running
- Adjustable Rpm Limit
- Billet Aluminum Housing

1005 - H-D Internal Ignition (1970-1999)

1005-EX - H-D Internal Ignition (1970-1999) CARB Approved EO D-641-1/3

1005S-EX - ONLY Sportster® (1998-2003) CARB Approved (except 1200S)

1005T - Includes Two-Step Drag Race Staging RPM Limiter (same as 1005)



TIMING ROTOR

18004 - Timing Rotor for Twin Tec H-D ignitions (1005, 1006-EX, 1007-EX). Replaces stock P/N: 32402-83



1010 VT-I - BUDGET H-D INTERNAL IGNITION (1970-1999)

1010 - Dual fire electronic ignition for 1970-1999 Harley-Davidson® V-Twin engines. Requires the use of your original mechanical advance mechanism. *Will not fit early Magneto, Twin-Cam, or 1999-03 Sportster® applications.*



- Includes Special Trigger Rotor For Use with OEM Mechanical Advance
- RPM Limiter - 200 RPM Steps
- Status LED For Easy Static Timing
- Electronic Dwell For Maximum Energy
- Compatible with Most OEM and Dual Fire Aftermarket Ignition Coils (3-5 ohms)

HO IGNITION COIL

2005 - High output single fire coil with 3 ohm primary resistance. Compatible with all aftermarket and Twin Tec H-D ignitions (1005(all), 1006-EX, 1007-EX). **EO: D-641-2**



SPARK PLUG WIRES

3003 - Universal H-D spark plug wire set - 8.2 mm black silicone. Includes both 90° & 115° spark plug boots plus assorted coil boots and terminals.



IGNITION KIT - INCLUDE MODULE, COIL, WIRES H-D (1970-1999)

- 3005** - Kit includes: 1005, 2005 coil & 3003 spark plug wires (1970-1999)
- 3005-EX** - Kit includes: 1005-EX, 2005 coil & 3003 spark plug wires (1970-1999)
- 3005S-EX** - Kit for Sportster® (1998-2003) includes: 1005S-EX, 2005, 3003
- 3005-IH** - Kit specifically for American IronHorse Motorcycles (1999-2003)



1006/1007 SERIES - H-D EXTERNAL IGNITION (1990-1999 EVO)

EASY TO INSTALL • RPM LIMITER • TIMING CONTROL

1006/1007-EX - External ignition replaces the OEM ignition on all 1990 - 1999 V-Twin EVO Harley-Davidson® Engines. Our electronic ignition gives you total control of timing and rpm limit. Two versions are available to fit your exact bike. An optional USB interface allows you to use your PC to build your own custom timing curves using our PC Link Software (free).

1006-EX - H-D External Ignition, EVO Engine (1990-94) 7pin ARB EO: D-641-1/3

1007-EX - H-D External Ignition, EVO Engine (1995-99) 8pin ARB EO: D-641-1/3

- **Multi-Spark For Smooth Running**
- **Wide Timing Adjustment Range**
- **Adjustable Rpm Limit**
- **Stock And Modified Engines**
- **Plug & Play**
- **Single Or Dual Fire**
- **Billet Aluminum Housing**
- **Build Custom Timing Curves**

CALIFORNIA
AIR RESOURCES BOARD
CARB COMPLIANT
EO's: D-641 • D-641-1
• D-641-2 • D-641-3



TIMING ROTOR

18004 - Timing Rotor for Twin Tec H-D ignitions (1005, 1006-EX, 1007-EX).
Replaces stock P/N: 32402-83

USB INTERFACE

18014 - Provides USB connectivity between Twin Tec ignitions and a computer. Includes 6 foot USB cable and Windows XP/Vista/7/8/10 drivers.

KITS - INCLUDE MODULE, COIL, WIRES - H-D EVO (1990-1999)

3006-EX - Kit includes: 1006-EX, 2005 coil & 3003 spark plug wires (1990-1999)

3007-EX - Kit includes: 1007-EX, 2005 coil & 3003 spark plug wires (1990-1999)



COMPLETE KIT - INCLUDES EVERYTHING TO INSTALL ON 1970-1999 EVO

Complete kit includes everything needed to install our external ignition on ALL carbureted H-D V-Twin's from 1970-1999. The 1007-EX Ignition gives you total control of your timing and rpm limiter. **GREAT for NEW bike builds or rebuilds!**

3021 - Kit includes: 1007-EX Ignition, 18004 Rotor, Cam Position Sensor, Complete Ignition Wire Harness, 2005 HO Ignition Coil, 3003 Spark Plug Wires

3020 - Same as 3021, except it does not include: 2005 coil & 3003 wires.



SPITFIRE - DUAL FIRE OUTPUT COIL

2100 - Dual output coil and coil plugs boots/terminals. Our dual fire coils have a 3 ohm primary resistance and are compatible with DTT Ignitions: 1005(all),1006-EX,1007-EX. Works on all HD Engines 1970-1999.



SPITFIRE - SINGLE FIRE OUTPUT COIL

2104 - Single output coil and coil plug boot/terminal. Our single fire coils have a 3 ohm primary resistance and are compatible with DTT Ignitions: 1005(all),1006-EX,1007-EX. Works on all HD Engines 1970-1999.



EVO MINI IGNITION COIL KIT

2006-Kit - Kit Includes: 2 mini coils and 3003 Plug Wires. The single fire coils have a 3 ohm primary resistance and are compatible with DTT Ignitions: 1005(all),1006-EX,1007-EX. **EO: D-641-2**



SPARK PLUG WIRES

3003 - Universal H-D spark plug wire set - 8.2 mm black silicone. Includes both 90° & 115° spark plug boots plus assorted coil boots and terminals.



1008/1009 - H-D TC88/A IGNITION (1999-2006 - TC88)

EASY TO INSTALL • RPM LIMITER • TIMING CONTROL

1008/1009 - External ignition replaces the OEM ignition on all carbureted 1999 - 2006 Twin-Cam 88® Harley-Davidson® Engines. Our electronic ignition gives you total control of timing and rpm limit. Two versions are available to fit your exact bike. An optional USB interface allows you to use your PC to build your own custom timing curves using our PC Link Software (*free*).

- **Multi-Spark For Smooth Running**
- **Wide Timing Adjustment Range**
- **Adjustable RPM Limit**
- **Stock To Heavily Modified Engines**
- **Plug & Play**
- **Billet Aluminum Housing**
- **Supports OE Theft/Security Module**

1008 - TC88 External Ignition for TwinCam 88® Engine (1999-2003)

1008-EX - TC88EX External Ignition TwinCam Engine (1999-03) **EO: D-641-1/3**

1008-T - Includes Two-Step Drag Race Staging RPM Limiter (same as 1008)

1009 - TC88A External Ignition for TwinCam 88® Engine (2004-06)

1009-IH - Replacement Ignition for American IronHorse Motorcycles (2004-07)

1009-EX - TC88AEX External Ignition TwinCam Engine (2004-06) **EO: D-641-1/3**

USB INTERFACE

18014 - Provides USB connectivity between DTT Ignitions and a computer. Includes 6 foot USB cable and Windows XP/ Vista/7/8/10 drivers.



TC88A Kits - INCLUDE MODULE, USB, COIL, WIRES(1999-2006)

3008-EX - Kit includes: 1008-EX, 2008 coil & 3002 spark plug wires (1999-2003)

3088-EX - Kit includes: 1009-EX, 2008 coil & 3002 spark plug wires (2004-2006)



TC88/A PARTIAL AND COMPLETE KITS (1999-2006)

Kits include everything needed to install our external ignition on ALL TwinCam 88® carbureted H-D V-Twin's from 1999-2006. **Great for NEW bike builds or rebuilds!**

Complete Kit Includes:

- 1008/1008EX or 1009/1009EX
- Complete Ignition Wire Harness
- 2008 - TC88 HO Ignition Coil
- 3002 - TC88 Spark Plug Wires
- 30081** - 1999-03 TC88 Complete Kit
- 30881** - 2004-06 TC88 Complete Kit

Partial Kit Includes:

- 1008/1008EX or 1009/1009EX
- Complete Ignition Wire Harness
- 30080** - Includes 1008 with harness
- 30880** - 1009 with wire harness

TC88 SPECIFIC HO IGNITION COIL

2008 - Fits 1999-2006 TC88 with a carb, same size as the stock coil P/N 31655-99.

Note: Will NOT fit in place of P/N 31639-99

- **Greater than 50 mJ and 40,000V output**
- **Compatible with 1008/1009 Twin Tec**
- **Ignition modules, 1/2 ohm coil resistance**



TC88 SPECIFIC SPARK PLUG WIRES

3002 - 7.0 mm black silicone. Made specifically for the Twin-Cam 88®. Includes 90° and straight spark plug boots and coil boots.

Note: 8.0mm wires WILL NOT FIT the TC88



TC88 EFI SPECIFIC HO IGNITION COIL

2009 - Fits 2001-2006 TC88 with Delphi EFI system (replaces P/N 31743-01)

- **Greater than 50 mJ and 40,000V output**
- **1/2 ohm coil resistance**





TWIN TUNER II - EFI TUNER - TC88 V-ROD MILWAUKEE-EIGHT

EASY TO INSTALL • FUEL CONTROL • TIMING CONTROL

Use **Twin Tuner II** to adjust your fuel injection and ignition to match the requirements of performance parts including high compression pistons/heads, camshafts, free flowing exhausts, and low restriction air filters. You can add or subtract fuel (*up to +30% or down to -20%*) and retard spark timing up to 10 degrees. Installation takes only 15 minutes and is very easy. The Twin Tuner works great in combination with the Twin Scan tuning aid (*more details below*). You don't need a dyno. All you have to do is install Twin Tuner & Twin Scan with WEGO and ride the bike around on a closed course or race track and make adjustments.

- **Wide Timing Adjustment Range**
- **Wide Fuel Adjustment Range**
- **Simple to Install**
- **Easy to Use**
- **Stock to Heavily Modified Engines**
- **Billet Aluminum Housing**

- 16200** - 2001-2011 TC88 and 2007-2013 Sportster® with 36 pin Delphi Connector
- 16201** - 2012-2017 Dyna® and Softail® and 2018-2022 Milwaukee-Eight Sportster®
- 16202** - 2008-2013 Touring with 73 pin Delphi Connector
- 16203** - 2002-2017 V-Rod® with 36 pin Delphi Connector
- 16204** - 2014-2022 Touring TC88 and Milwaukee-Eight®
- Twin-Tuner-EX** - 2001-2008 TC88 - ARB EO D-641

TWIN TUNER

The Twin Tuner is similar to the Twin Tuner II. The primary difference is that you can *only* control FUEL with the Twin Tuner. We offer part numbers that support all H-D EFI engines from 2001-2020.



TWIN SCAN II & 4 - READ AND CLEAR CODES

COMPLETE KIT - Includes: TWIN SCAN II ABS, 4 and WEGO IIID

15600 - This kit includes everything needed to Read/Clear Codes and Bleed Brakes on all Harley's from 2001-2020.

- Bleed Brakes - Read/Clear ABS Codes
- Read/Clear ECU Codes
- Read/Clear BCM Codes
- Diag - TSM/TSSM/Tach/Speedometer

Complete Kit Includes:

- Twin Scan 4 & Twin Scan II
- Two Bosch wide-band O2 sensors
- WEGO Wideband O2 Sensor Interface
- O2 Sensor Weld Nuts
- Windows PC Software and Cables



TWIN SCAN II WITH ABS

15202 - Bleed Brakes & Read/Clear Codes on most 2001-2013 H-D fuel injected and carb models with the Delphi VPW (incl. V-Rod®). ECU, ABS, BCM, TSM, TSSM, Tach & Speedo

Note: Not compatible with 2011 & later models with CAN data bus (use Twin Scan IV)



TWIN SCAN 4 WITH ABS

15500 - Bleed Brakes, Read/Clear Codes on 2011-2020 Softail®, Dyna®, Sportster® and Touring models with CAN data bus (all with 6-pin diagnostics connector). Supports: ECU, ABS, BCM, TSM, TSSM, Tach & Speedo.

Adapter pn 115642 is not included - Required to bleed the brakes on 2021+ Models. Note: Some Twin Scan 4 software features are NOT supported on the 2021+ Models.



See page 17 for more information on adapter pn 115642 (2021+ HD)



TCFI4 - GEN 4

TCFI 4/5/6/7 - AUTO TUNE ECUs FOR TWIN-CAM (2001-2017)

SIMPLE TO INSTALL • FUEL CONTROL • TIMING CONTROL

TCFI is a COMPLETE replacement ECU for the 2001-2016 Twin-Cam 88 Engine. Simple plug and play installation, our system utilizes all factory sensors and will even work on the a stock bike. Install the included WEGO sensors and utilize the auto tune feature of the ECU to create your tuning MAP "while you ride". This system is great for Turbocharged engines or Max-effort engine builds with long duration camshafts. Includes Auto Tuning, Data Logging and Diagnostic software.

17400 - 1 Bar NA - TCFI4 Auto Tune ECU for 2001-2011 TC with 36 pin Delphi

17401 - 1 Bar NA - TCFI4 Auto Tune ECU for 2007-2013 Sportster w/36 pin Delphi

17402 - 3 Bar Turbo - TCFI4 Auto Tune ECU for 2001-2011 TC with 36 pin Delphi

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor
3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor



TCFI5 - GEN 5

17600 - 1 Bar NA - TCFI5 Auto Tune ECU for 2012-2017 Dyna TC w/CAN Bus

17601 - 1 Bar NA - TCFI5 Auto Tune ECU for 2014-2017 Sportster w/CAN Bus

17602 - 3 Bar Turbo - TCFI5 Auto Tune ECU for 2012-2017 Dyna TC with CAN Bus

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor
3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor



TCFI6 - GEN 6

17700 - 1 Bar NA - TCFI6 Auto Tune ECU for 2008-2013 TC88 Touring (ALL)

17702 - 3 Bar Turbo - TCFI6 Auto Tune ECU for 2008-2013 TC88 Touring (ALL)

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor
3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor

Question - What is the difference between the four generations of: TCFI ECUs (4/5/6/7)?

Answer- Each generation utilizes a different ECU connector. Gen 4/5/6 are for cable TB bikes. Gen 7 supports ETC. The software used to log and auto tune each of the systems is exactly the same - and it is included with the ECU.



TCFI7 - GEN 7

17800 - 1 Bar NA - TCFI7 Auto Tune ECU - 2014-2016 TC (Ultra/Touring)

17801 - 2.5 Bar Turbo - TCFI7 Auto Tune ECU - 2014-2016 TC (Ultra/Touring)

17802 - 3 Bar Turbo - TCFI7 Auto Tune ECU - 2014-2016 TC (Ultra/Touring)

17803 - 1 Bar NA - TCFI7 Auto Tune ECU - 2016-2017 TC (Softail)

17804 - 2.5 Bar Turbo - TCFI7 Auto Tune ECU - 2016-2017 TC (Softail)

17805 - 3 Bar Turbo - TCFI7 Auto Tune ECU - 2016-2017 TC (Softail)

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor
2.5 Bar ECU utilizes the Trask Turbo MAP sensor (not included)
3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor



M8FI

M8FI - AUTO TUNE ECU FOR M8 ENGINES (2017-2020)

SIMPLE TO INSTALL • FUEL CONTROL • TIMING CONTROL

M8FI is a COMPLETE replacement racing ECU for the 2017-2020 M8 Ultra/Touring and the 2018-2020 Softtail. This ECU was designed to be used in the King of the Baggers Racing Series and for Drag Racing.

Versions are available for Turbo and Natural Aspiration Engines.

Simple plug and play installation, our system utilizes all factory sensors and will even work on the a stock bike. Install the included WEGO sensors and utilize the auto tune feature of the ECU to create your tuning MAP "while you ride". This system is great for Turbocharged engines or Max-effort engine builds with long duration camshafts. Includes Auto Tuning, Data Logging and Diagnostic software.

M8FI - AUTO TUNE ECU FOR M8 ENGINES (2017-2020)

- 17808** - 1 Bar NA - M8FI Auto Tune ECU - 2017-2020 M8 (Ultra/Touring)
- 17809** - 2.5 Bar Turbo - M8FI Auto Tune ECU - 2017-2020 M8 (Ultra/Touring)
- 17810** - 3 Bar Turbo - M8FI Auto Tune ECU - 2017-2020 M8 (Ultra/Touring)
- 17811** - 1 Bar NA - M8FI Auto Tune ECU - 2018-2020 M8 (Softtail)
- 17812** - 2.5 Bar Turbo - M8FI Auto Tune ECU - 2018-2020 M8 (Softtail)
- 17813** - 3 Bar Turbo - M8FI Auto Tune ECU - 2018-2020 M8 (Softtail)

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor
 2.5 Bar ECU utilizes the Trask Turbo MAP sensor (not included)
 3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor

Question - What is the difference between the Ultra and Softtail ECUs?

Answer- The primary difference is that the Softtail ECU has a input for the fuel level sending unit.



M8FI - 2018 M8 TRASK TURBO



2021+ M8FI COMING SOON

2023 BIKE WEEK OPEN HOUSE

SERIES 20 FUEL INJECTORS



- High Performance
- Nine - Flow Rates
- Made In The USA
- Latest Fuel Injector Technology
- Sold As Matched Sets (*Two Injectors*)
- Detailed Test Report Included with Each Set
- Fits 2006+ Cable Driven HD Twin Cam
- Does not fit V-Rod or Sportster

Series 20 Fuel Injectors 2006 and newer cable driven

20039 - 3.9 gm/sec @ 58psi

20054 - 5.4 gm/sec @ 58psi

20062 - 6.2 gm/sec @ 58psi

20071 - 7.1 gm/sec @ 58psi

20078 - 7.8 gm/sec @ 58psi

20085 - 8.5 gm/sec @ 58psi

20092 - 9.2 gm/sec @ 58psi

20099 - 9.9 gm/sec @ 58psi

20106 - 10.6 gm/sec @ 58psi

SERIES 21 FUEL INJECTORS

- High Performance
- Nine - Flow Rates
- Made In The USA
- Latest Fuel Injector Technology
- Sold As Matched Sets (*Two Injectors*)
- Detailed Test Report Included with Each Set
- Fit 2001-2005 Cable Driven HD TC & V-Rod
- Fit 2008+ Fly By Wire - HD TC and V-Rod
- Stock V-Rod Injector Size = 4.81 gm/Sec



Series 21 Fuel Injectors - 01-05 Cable Twin Cam & All V-Rod

21054 - 5.4 gm/sec @ 58psi

21062 - 6.2 gm/sec @ 58psi

21071 - 7.1 gm/sec @ 58psi

21078 - 7.8 gm/sec @ 58psi

21085 - 8.5 gm/sec @ 58psi

21092 - 9.2 gm/sec @ 58psi

21099 - 9.9 gm/sec @ 58psi

21106 - 10.6 gm/sec @ 58psi

SERIES 22 FUEL INJECTORS

- High Performance
- Nine - Flow Rates
- Made In The USA
- Latest Fuel Injector Technology
- Sold As Matched Sets (*Two Injectors*)
- Detailed Test Report Included with Each Set
- Fit 2017+ Milwaukee-Eight (M8)
- Stock 2017 M8 Injector Size = 4.38 gm/Sec



Series 22 Fuel Injectors - 2017+ Milwaukee-Eight

22054 - 5.4 gm/sec @ 58psi

22062 - 6.2 gm/sec @ 58psi

22071 - 7.1 gm/sec @ 58psi

22078 - 7.8 gm/sec @ 58psi

22085 - 8.5 gm/sec @ 58psi

22092 - 9.2 gm/sec @ 58psi

22099 - 9.9 gm/sec @ 58psi

22106 - 10.6 gm/sec @ 58psi

TWIN SCAN 4 - ADD ON CABLE

- Diagnostic Adapter cable for 2021+ HD
- Connect Twin Scan 4 to 2021+ HD
- Twin Scan 4 does not officially support 2021+ HD However many of the functions work including Brake Bleeding.
- Add on for the Twin Scan 4
- Made In The USA





VRFI4

VRFI - AUTO TUNE ECU FOR V-ROD (2002-2017)

SIMPLE TO INSTALL • FUEL CONTROL • TIMING CONTROL

VRFI is a COMPLETE replacement ECU for the 2002-2017 V-Rod VRSC Engine. Simple plug and play installation, our system utilizes all factory sensors and will even work on the a stock bike. Install the included WEGO sensors and utilize the auto tune feature of the ECU to create your tuning MAP "while you ride". This system is great for Turbocharged engines or Max-effort engine builds with long duration camshafts. Includes Auto Tuning, Data Logging and Diagnostic software.

17500 - 1 Bar NA - VRFI Auto Tune ECU for 2002-2017 V-Rod with 36 pin Delphi

17501 - 3 Bar Turbo - VRFI Auto Tune ECU 2002-2017 V-Rod with 36 pin Delphi

ECU Info: 1 Bar ECU is NA only and utilizes the stock MAP sensor

3 Bar ECU utilizes the included DTT 3 Bar Turbo MAP sensor





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