

# TC88A Ignition for 2003-2006 Carbureted H-D® Motorcycles

## Features

- Wide timing advance adjustment range accommodates stock to highly modified engines
- Digitally set RPM Limit (100 RPM steps from 3,000 to 9,900 RPM)
- Full support for J1850 data bus used for communications with instrument cluster and turn signal/security module (TSM/TSSM)
- Built-in data logging. Stores last 30 minutes of engine operation
- Extensive diagnostics. Compatible with H-D® scan tool
- Optional USB interface and PC link software for custom programming and data analysis

A single TC88A part number provides coverage for all 2003-2006 H-D® carbureted models using the new 12 pin ignition module.

The TC88A is constructed with a low profile machined billet aluminum housing. The unit offers easy plug-in installation and all the switches are accessible from the top - a significant advantage for most installations.

Four rotary switches are used to set the advance characteristics and RPM limit. Since the new engines use a non-adjustable crankshaft position sensor, mechanical timing adjustments are no longer possible. The TC88A solves this problem with a switch for setting the initial timing. A second switch sets the slope of the advance curve. The combination of these two switches allows the user to optimize the timing advance for a wide range of applications - from stock to highly modified engines.

New H-D® motorcycles use the SAE J1850 data bus for communications between the ignition module, instrument cluster, turn signal/security module (TSM/TSSM), and diagnostic scan tools.



The TC88A fully supports this new J1850 data bus including the use of the H-D® scan tool to read sensor data and clear diagnostic codes.

The TC88A features built-in data logging that stores data for the last 30 minutes of engine operation including RPM, vehicle speed, manifold pressure, ignition advance, and battery voltage. Engine builders will find the data logging feature highly useful for tuning, diagnosing problems, and reducing unjustified warranty claims.

An optional USB interface cable and Windows compatible software allow the use of a laptop PC to program a custom advance curve for precise dyno tuning, download data logged by the unit, and access additional features such as speedometer/odometer recalibration (to accommodate tire and gear changes). The USB interface connects to the existing H-D® diagnostic connector on the motorcycle wiring harness. You can download the software from our website and use it in demo mode without an ignition attached. For more details, please visit the TC88A section on our website.

Part Number	Description	Suggested Retail
TC88A	TC88A Plug-in Ignition (for 2003-2006 carbureted Twin Cam 88® and Sportster® with 12 pin ignition module). Not legal for use or sale on pollution controlled vehicles.	\$289.00
USB-INTF	USB Interface (for all Twin Tec engine controls). Not legal for use or sale on pollution controlled vehicles.	\$99.95

