ThunderMax® Accessories

ThunderMax® Gen III & TBW Communication Accessories (USB)

ThunderMax® Communication Cables
Replacement communication cables in standard or extended lengths for Generation III, TBW and CAN-BUS ThunderMax® with mini-USB/USB connection

#309-326 6' with 90° End   **#372-150** 15' with Straight End

ThunderMax® Gen III/TBW Pigtail Harness
#309-424 Allows a second USB port for the communication cable connection to the ThunderMax® Throttle-by-Wire and Gen III models. It is installed to the bike's wiring harness at the ECM connector; handy for motorcycle models with tight clearances around the ECM. Works with ThunderMax® part numbers 309-460 and included with # 309-485. Will <u>not</u> work on Gen I & II ThunderMax®, (#309-361) '11-up cable Softails® or (#309-380) '12-up Dyna® models with CAN-BUS data systems.

USB Style

ThunderMax® Gen II Communication Accessories (Serial Port)

ThunderMax® Communication Cable
Replacement communication cables in standard or extended lengths for Generation I & II ThunderMax® with Mini-DIN/serial port connection.

#309-321 *6 foot*   **#309-322** *12 foot*

USB/Serial Port Adapter
#372-002 If your laptop or PC does not have a serial port, this inexpensive adapter will instantly add a serial port to your computer for communicating with Gen I & II ThunderMax® EFI controller (36 pin connector models only). Supports 1.0 and 2.0 USB ports, Windows 98/2000/ME/XP/Vista/7/8.

ThunderMax® Gen II Pigtail Harness
#309-324 Allows a second port for the communication cable connection to Gen II ThunderMax®, serial number 114,000 or higher. It is installed to the bike's wiring harness at the 36-pin ECM connector. Handy for motorcycle models with tight clearances around the ECM such as Dyna®, Softail® Rocker® and 2002-2005 V-Rod® models. Will not work on Throttle-By-Wire or Gen III Models.
Included with ThunderMax® systems #309-364 and #309-385.

Serial Port Style

ThunderMax® Gen II AutoTune-Data Port 'Y' Harness
#309-343 The Gen II, modular ThunderMax® AutoTune module gets its power and communicates to the ECM through the motorcycle's 4-pin factory data port plug. This 'Y' harness allows the AutoTune module to be plugged in with an additional plug remaining open for other tasks. Not applicable for TBW or CAN-BUS models.

ThunderMax® Accessories

ThunderMax® Bench-Top 12 Volt Power Supply
Allows for off-motorcycle, bench-top programming of the ThunderMax® controller. Power supply includes power supply, switch box adapter, plug for ECM.
 # 309-330 *For All Models*

AutoTune Harness Repair Kit
#309-352 This kit includes components required to make repairs to a damaged AutoTune wire harness and connector plug. Included is a replacement connector, connector terminals, replacement wires with terminated ends and shrink tubing. Use to repair a damaged, but functioning, AutoTune module harness.

2-Bar Map Sensor for Supercharger or Turbo Applications
#309-315 Required when using a ThunderMax® in a boost application.

Replacement Wide Band Oxygen Sensors
#309-355 ThunderMax® replacement oxygen sensors for all ThunderMax® EFI with AutoTune modules (no service parts available). Sold Individually.

Weld-In Oxygen Sensor Bungs with Caps
For exhaust systems without installed 02 sensor bungs. Drill pipe and weld in; choose straight or angled bung. Sold each, two required.
#272-200 Straight bung with cap, each
#272-202 Angled bung with cap, each
#272-204 12mm Bung Cap set. For '10-Up Touring, '12-Up Softails®, Dynas® and V-Rods® & '14-Up XL/ Sportsters® with stock sensors removed

Fuel Injection Components

Injectors (Weber Pico) for '01-'05 Delphi® injected models and '08-up TBW Touring models. *Sold Each.*

PART NO.	DESCRIPTION
#172-422	4.22 gr/sec (Big Twin stock replacement) white band
#172-481	4.81 gr/sec (V-Rod® stock replacement) turquoise band
#172-620	6.20 gr/sec (high flow replacement) yellow band
#172-670	6.70 gr/sec (high flow replacement) pink band

Injectors for '06-up Delphi® injected models with cable-actuated throttle body. *Sold Each.*

PART NO.	DESCRIPTION
#150-709	3.91 gr/sec (25° Big Twin stock replacement)
#150-654	4.89 gr/sec (high flow replacement)
#150-742	6.2 gr/sec (high flow replacement)

Fuel Pressure Checking Gauge Fuel injection systems rely on consistent fuel pressure for proper operation. When fuel pressure drops due to a clogging filter, pinholes in the in-tank fuel line or a faulty fuel pump, performance suffers. This is the FIRST tool you should grab for diagnosis. Quickly installs in-line at the fuel tank outlet and allows you to verify pressure is within spec. **#772-457**

Fuel Rail Kit Stock replacement. Fits '06-up Delphi® injected Big Twin models with cable-actuated throttle body. **#150-651**

Manifold Air Temperature (MAT) Sensor Stock replacement, 1995-2005 injected models. **#150-270**

Manifold Air Temperature (MAT) Sensor Stock replacement, 2006-up Delphi® injected models with cable-actuated throttle body. **#150-381**

Idle Air Control (IAC) Motor Stock replacement, 2001-2005 Delphi® injected models. **#395-060**

Idle Air Control (IAC) Motor Stock replacement, 2006-up Delphi® injected models with cable-actuated throttle body. **#395-061**

Throttle Position Sensor (TPS) Stock replacement, 2001-2005 Delphi® injected models. **#395-064**

Throttle Position Sensor (TPS) Stock replacement, 2006-up Delphi® injected models with cable-actuated throttle body. **#395-065**

Manifold Absolute Pressure (MAP) Sensor Replaces OE32316-99 **#395-316**

Fuel Pressure Regulator Stock replacement. Fits '02-'07 Touring, '01-'07 Softail®, '02-'09 V-Rod® models. **#150-408**

Cylinder Head Temperature Sensor Fits '99-'09 Touring, '01-'09 Softail®, '04-'09 Dyna®. **#395-062**

Wiring Harness Connector Kit 2001-2005 Delphi EFI Includes connectors and terminal ends for IAC, TPS, MAT and injectors for 2001-2005 components. Allows fitment of 2001-2005 throttle bodies to 2006-up Big Twins with cable-actuated throttle bodies. Wiring instructions included. **#117-124**

Wiring Harness Connector Kit 2006-up cable-type throttle body. Includes connectors and terminal ends for IAC, TPS, MAT and injectors for 2006-up cable-type throttle body components. Allows fitment of 2006-up cable-actuated throttle bodies to 2001-2005 bikes. Wiring instructions included. **#117-125**

Intake flanges, 1984-2005 These are the offset type flanges that are front and rear specific (flanges stamped F & R). Sold each, order 2 for one engine.
Front # 198-032   Rear # 198-033

Intake flanges, 2006-Up Big Twins These are the symmetrical type flanges that can be used on the front or rear head (equal distance between the mounting holes and the intake port). *Sold each, order 2 for one engine.* **#150-993**