

# ACCEL<sup>®</sup> DFI

ENGINE MANAGEMENT SYSTEMS



*From ACCEL/DFI - The first company to offer affordable  
and programmable EFI systems to the masses  
Introducing The New THRUSTER EFI ENGINE MANAGEMENT SYSTEM*

- \* The Only True Aftermarket V/E Based EFI System in its Class.
- \* It Will Run 11 Different Ignition Configurations.
- \* Configurable to Narrow Or Wide Band O2 Sensor Operation.
- \* Offers Built-In Self Diagnostics.
- \* Will operate the fuel injectors in Sequential or Batch Fire Mode.
- \* Has Built In DATA-ACQUISITION.
- \* Individual Cylinder Fuel Control.
- \* Best Transitional Fueling for Unmatched Driveability.
- \* The Only EFI System With Easy To Use Nitrous Power.
- \* Will Support Up To 41 PSI of Boost.
- \* Will operate High or Low Impedance Injectors.
- \* 2 High RPM Over Rev Limiters (Ignition & Fuel)
- \* Built-IN 2 Step REV Limiter.
- \* Controls: Torque Converter, AC Clutch, Radiator Fans and Knock.
- \* Has Shift Light Output.
- \* Lap Top Programmable
- \* The Only System in it's class that can be Upgraded to a PRO Version.
- \* Visit [www.mtpturbo.com](http://www.mtpturbo.com) today for a quote on a Thruster system.
- \* Comes With Limited Warranty - The competition offers no warranty
- \* For 18 years, ACCEL/DFI has been the leader in EFI Technology.

**Use this brochure to choose a complete THRUSTER EFI System for your application.**

**Step 1: Select your EFI System.**

- 77010 ACCEL DFI Thruster EFI System STD 02 (GM-Chrysler-UNI V8)
- 77010P Same as 77010 with Polished Enclosure
- 77010W ACCEL DFI Thruster EFI System W/B 02 (GM-Chrysler-UNI V8)
- 77010WP Same as 77010 with Polished Enclosure and Wide Band 02
- 77011 ACCEL DFI Thruster EFI System STD 02 (FORD V8)
- 77011W ACCEL DFI Thruster EFI System W/B 02 (FORD V8)
- 77012 ACCEL DFI Thruster EFI System STD 02 (Universal V6)
- 77012W ACCEL DFI Thruster EFI System W/B 02 (Universal V6)
- 77013 ACCEL DFI Thruster EFI System STD 02 (Universal 4 Cyl)
- 77013W ACCEL DFI Thruster EFI System W/B 02 (Universal 4 Cyl)
- 77016 ACCEL DFI Thruster EFI System STD 02 (JEEP 4.0 Liter) ‡
- 77017 ACCEL DFI Thruster EFI System STD 02 (JEEP 4.0 Liter) ‡\*
- 77014C ACCEL DFI Thruster EFI System STD 02 (Flying Lead Harness)
- 77014CW ACCEL DFI Thruster EFI System W/B 02 (Flying Lead Harness)

‡ - See Step 12 for Wide Band options

\* - includes Billet Dual Sync distributor and 6A CD Ignition Module  
Designations: W-Wide Band 02, P-Polished ECU Enclosure

**Step 1/Option: Pro Version Upgrade**

- 77005UP ACCEL DFI THRUSTER EFI PRO Upgrade. (Includes Software)

**Step 2: Select your Sensor Package / Sensors**

(Choose a sensor or Sensor Package that fits your application)  
Sensor Kits includes: Air, Coolant, Map Sensors,  
Required for System

- 74782 Sensor Kit with 1 Bar Map (naturally Aspirated Engines)
- 74783 Sensor Kit with 2 Bar Map (Up to 15 PSI of Boost)
- 74784 Sensor Kit with 3 Bar Map (UP to 30 PSI of Boost)
- 74763 GM L98 TPS Sensor
- 77661 ACCEL DFI FORD Style TPS
- 74765 Coolant Temp Sensor
- 74773 Air Temp Sensor
- 74764 1 Bar Map Sensor
- 74776 2 Bar Map Sensor (Up to 15 PSI of Boost)
- 74777 3 Bar Map Sensor (UP to 30 PSI of Boost)
- 77761 Heated Narrow Band O2 Sensor Only
- 77061 Bosch Wide Band O2 Sensor Only
- 77065 NTK Wide Band O2 Sensor Only  
(Turbo Or Supercharged Applications)
- 74770A ACCEL DFI FORD IAC Kit (includes adapter and IAC)
- 74766 ACCEL DFI GM L98 Style IAC
- 74779 ACCEL DFI HI FLOW LS1 Style IAC
- 74779K ACCEL DFI HI FLOW REMOTE IAC KI

**STEP 3: Select your type of Ignition / Distributor Adapter Harness (Required for System)**

- 77101 ACCEL DFI Dual Sync/Hall Effect Ignition Adapter Harness
- 77170 ACCEL DFI L98 Ignition Adapter Harness
- 77652 ACCEL DFI LT1 Ignition Adapter Harness 92-94
- 77653 ACCEL DFI LT1-LT4 Ignition Adapter Harness 95-97
- 77659 ACCEL DFI Buick GN Ignition Adapter Harness
- 77660 ACCEL DFI FORD TFI Ignition Adapter Harness
- 77688 ACCEL DFI IPU Ignition Adapter Harness
- 77654 ACCEL DFI LS1 - LS6 Ignition Harness
- 77655 ACCEL DFI LS1 - LS6 Ignition Module

**Step 4: Select a Distributor**

**ACCEL DFI Dual Sync Distributors**

(Needed for sequential injector operation)

- 77100 DIST,DUAL SYNC CHEVY SM CAP
- 77100T DIST,DUAL SYNC CHEVY TB SM CAP
- 77110 DIST,DUAL SYNC CHEVY Corvette W/Tach Drive - SM CAP
- 77151 DIST,DUAL SYNC CHEVY 4.3 SM CAP
- 77190 DIST,DUAL SYNC CHEVY LG CAP
- 77190T DIST,DUAL SYNC CHEVY Tall Deck LG CAP
- 77200 DIST,DUAL SYNC FORD FE SM CAP
- 77201 DIST,DUAL SYNC FORD 302 SM CAP
- 77204 DIST,DUAL SYNC FORD 460 SM CAP
- 77207 DIST,DUAL SYNC FORD 351W SM CAP
- 77242 DIST,DUAL SYNC JEEP 4.0L W SM CAP
- 77290 DIST,DUAL SYNC FORD FE LG CAP
- 77291 DIST,DUAL SYNC FORD 302 LG CAP
- 77294 DIST,DUAL SYNC FORD 460 LG CAP
- 77297 DIST,DUAL SYNC FORD 351W LG CAP
- 77301 DIST,DUAL SYNC BUICK 215 SM CAP
- 77313 DIST,DUAL SYNC HONDA 1.6-1.8 SM Cap
- 77393 DIST,DUAL SYNC HONDA 1.6-1.8 LG Cap
- 77401 DIST,DUAL SYNC OLDS SM CAP
- 77441 DIST,DUAL SYNC BUICK 455 SM CAP
- 77491 DIST,DUAL SYNC OLDS LG CAP
- 77548 DIST,DUAL SYNC CADILLAC SM CAP
- 77580 DIST,DUAL SYNC PONTIAC SM CAP
- 77601 DIST,DUAL SYNC AMC SM CAP
- 77701 DIST,DUAL SYNC CHRY B SM CAP
- 77707 DIST,DUAL SYNC CHRY 392H SM CAP
- 77801 DIST,DUAL SYNC CHRY RB SM CAP
- 77901 DIST,DUAL SYNC CHRY LA SM CAP
- 77911 DIST,DUAL SYNC PORSCHE 911 SM CAP



**ACCEL Billetech Distributors**

(For Batch Fire Operation)

- 60109 Chevy L98 V8 Engines HEI/EST W/Remote Mount Coil for S/B B/B V8
- 60114 Chevy V6 4.3 Engines HEI/EST Remote Mount Coil
- 60201A FORD 5.0 Engine with TFI Module. Fits 86-93 Mustang w/Auto Trans
- 60201M FORD 5.0 Engine with TFI Module. Fits 86-93 Mustang w/5SPD Trans
- 60201R FORD 5.0 Engine with remote mounted TFI Module.
- 60204A FORD 5.8/351W Engine with TFI Module mounted on distributor.

**Step 5: Select an Ignition Driver Module**

- 75606 ACCEL DFI 6A CD Ignition System
- 75607 ACCEL DFI E-CORE Coil
- 75608 ACCEL DFI PRO 7 Coil (Coming Spring 2008)
- 75609 ACCEL DFI PRO 7 CD Ignition System (Coming Spring 2008)
- 75610 ACCEL DFI 8 Channel CD (COIL ON PLUG applications)

**Step 6: Select your Spark Plug Wires**

**ACCEL EXTREME 9000 UNIVERSAL SPARK PLUG WIRES**  
(High conductivity- Low noise design - Highly recommended)

- 9000 180 Deg Straight Boots W/Male-Female Tower Caps
- 9001 90 Deg 5/8 Hex Plug Boots W/Male-Female Tower Caps
- 9002 115 Deg FORD Style Boots W/Male-Female Tower Caps

### Step 7: Select any Accessory (Optional Equipment)

77171	FAN CONTROL KIT
77172	TORQUE CONVERTER LOCKUP KIT
77173	KNOCK CONTROL HARNESS KIT
77174	SBC KNOCK CONTROL COMPLETE KIT
77175	BBC KNOCK CONTROL COMPLETE KIT
77176	A/C CLUTCH CONTROL HARNESS
77177	MAJFUNCTION IND LAMP HARNESS
77253	ACCEL DFI Single Stage Nitrous Harness
77650	ACCEL DFI LT1/LS1 Style TPS ADAPTER
77651	ACCEL DFI LT1/LS1 Style IAC ADAPTER
77681	ACCEL DFI GM - Chrysler - V8 Injector Harness
77693	ACCEL DFI Chevy - Buick V6 Injector Harness
77687	ACCEL DFI FORD V8 Injector Harness
77679	ACCEL DFI 4 Cyl Injector Harness

### Step 8: Select Fuel Injectors

#### Determining the correct fuel injector size

N/A Engines Injector Flow Rate (lbs/hour) = .45 x HP divided by # of Injectors x 1.15  
Boosted Engines Injector Flow Rate (lbs/hour) = .55 x HP divided by # of Injectors x 1.15  
Nitrous Engines Injector Flow Rate (lbs/hour) = .57 x HP divided by # of Injectors x 1.15

We offer a wide range of Fuel Injectors

High Impedance: 14-15-17-19-21-23-24-26-30-32-36-40-44-48-62

Low Impedance: 55-72-83-96-120-160

Please call 248-380-2780 for help in picking out the right injector



### Step 9: Select a Fuel Pump

#### ACCEL DFI HIGH Performance Fuel Pumps

74701	ELECT FUEL PUMP, 200 #/hr @ 45 PSI - 400 HP EXT
75701	ELECT FUEL PUMP, 300 #/hr @ 45 PSI - 600 HP EXT
75702	ELECT FUEL PUMP, 400 #/hr @ 45 PSI - 800 HP EXT
75703	ELECT FUEL PUMP, 85-92 GM 255 PLY 600 HP IN TANK
75704	ELECT FUEL PUMP, 84-86 BUICK 255 PLY 600 HP IN TANK
75705	ELECT FUEL PUMP, W/HANGER 255 PLY 600 HP 85-97 MUSTANG
75706	ELECT FUEL PUMP, 85-97 MUSTANG 255 PLY 600 HP IN TANK
75707	ELECT FUEL PUMP, 92-00 CIVIC 255 PLY 600 HP IN TANK
75708	ELECT FUEL PUMP, 94-99 INTEGRA 255 PLY 600 HP IN TANK
75709	ELECT FUEL PUMP, 500 #/hr @ 60 PSI - 1000 HP RACE
75710	ELECT FUEL PUMP, 840 #/hr @ 60 PSI - 1800+ HP RAC

### Step 10: Select a Fuel Pressure Regulator

74561	REGULATOR,86-93 5.0L MUSTANG
74562	REGULATOR,94-98 FORD 4.6L
74565	EGULATOR,92-96 CORVETTE (LT1)
74566	REGULATOR,94-97 LT1(EXC.VETTE)
74567	UNIVERSAL BILLET REGULATOR
74750	GM TPI ADJUSTABLE PRESSURE REGULATOR

### Step 11: Select a Throttle Body

#### Billet Throttle Bodies

(Engineered for maximum flow - Includes TPS and IAC sensors)

74202S2	1550 CFM W/IAC & TPS	4150 Flange
74202S3	1350 CFM W/IAC & TPS	4150 Flange
74202S4	1200 CFM W/IAC & TPS	4150 Flange
74208	2100 CFM W/IAC & TPS	DOMINATOR
74209	2600 CFM W/IAC & TPS	DOMINATOR

### Step 12: Select a Single or Dual Wide Band O2

(If the system is not already equipped.)

77062	SINGLE U3 WIDEBAND O2 KIT
77062N	SINGLE U3 WIDEBAND O2 KIT (NO SENSOR - Set Up for NTK O2)
77062S	SINGLE U3 WIDEBAND O2 KIT W/ GAUGE
77063	DUAL U3 WIDEBAND O2 KIT
77063S	WB O2 GAUGE & HARNESS KIT
77761	HEATED NARROW BAND O2 SENSOR ONLY
77061	BOSCH WIDE BAND O2 SENSOR ONLY
77065	NTK WIDE BAND O2 SENSOR ONLY

### Step 13: Select a Fuel Rail & Bushing Kit

(For building your own Manifold.)

74742	MANIFOLD EFI CONVERSION KIT 3' FUEL RAIL & BUSHINGS
74740	8 INJECTOR BUSHINGS
74734-2	RAIL, FUEL 2' EXTRUDED
74734-3	RAIL, FUEL 3' EXTRUDED
74734R-2	RACE RAIL, FUEL 2' EXTRUDED
74734R-3	RACE RAIL, FUEL 3' EXTRUDED

Other Fuel Rail Lengths available, call for details (248) 380-2780



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