Twin Tec — User Instructions for Power Adapters

CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING.

OVERVIEW

The Twin Tec power adapters facilitate bench top programming of our engine controls. Use power adapter:

P/N 1005-ADAPT for all Model 1005 and 1005S ignitions

P/N EVO-ADAPT for all Model 1006 and 1007 ignitions (special order part).

P/N 18005 for TC88 ignitions

P/N 18006 for TC88A ignitions

P/N 18007 for all TCFI/VRFI Gen 4 (and earlier Gen 2-3) series fuel injection systems

P/N 18015 for TCFI Gen 5 and Gen 7 series fuel injection systems

P/N 18016 for TCFI Gen 6 series fuel injection systems

All power adapters use an international power supply capable of operation from 110-240 VAC. The power supply includes four interchangeable plugs for worldwide operation.

CAUTION: To avoid electrical noise problems, use the same electrical outlet for the power supply and computer.

EVOLUTION® SERIES POWER ADAPTERS

The power adapter consists of a 12V DC wall plug-in type power supply and appropriate connectors for the Twin Tec Evolution® series ignitions. Alligator clips are used for connections to the wire harness on Model 1005 and 1005S ignitions. Mating 7 and 8 pin connectors are used for connections to Model 1006 and 1007 ignitions (special order power adapter EVO-ADAPT only).

CAUTION: Make sure that the red and black alligator clips do not short together.

Models 1005 and 1005S

1. **Power adapter hookup**. Connect the black alligator clip (ground) to the aluminum housing of the ignition. Connect the red alligator clip (+12V) to the white/black wire from the ignition.

2. **USB interface cable hookup**. Connect the black alligator clip (ground) to the aluminum housing of the ignition. The power adapter kit includes a short brown jumper wire with an alligator clip on one end and a male Weather Pack connector on the other end. Connect this alligator clip to the brown wire from the ignition. Connect the male Weather Pack connector to the mating female Weather Pack connector on the USB interface cable. Use the "TC88A And All Others" switch position.

Models 1006 and 1007

1. **Power adapter hookup.** Connect the appropriate connector (7 or 8 pin) from the power adapter to the ignition module.

2. **USB interface cable hookup**. Connect the black alligator clip from the USB interface cable to the black alligator clip (ground) on the power adapter. Connect the female Weather Pack connector from the USB interface cable to the mating male Weather Pack connector on the brown wire from the ignition module. Use the "TC88A And All Others" switch position.

TC88 POWER ADAPTER

Power adapter P/N 18005 consists of a 12V DC wall plug-in type power supply and a short adapter harness.

1. **Power adapter hookup**. Connect the black 12 terminal Deutsch connector to the TC88 ignition module.

2. **USB interface cable hookup**. Connect the gray 12 terminal Deutsch connector on the adapter harness to the TC88 ignition module. Connect the 4 terminal Deutsch connector on the adapter harness to the mating Deutsch connector on the USB interface cable. Use the "TC88 Only" switch position.

TC88A POWER ADAPTER

Power adapter P/N 18006 consists of a 12V DC wall plug-in type power supply and a short adapter harness.

1. **Power adapter hookup**. Connect the black 12 terminal Deutsch connector to the TC88A ignition module.

2. **USB interface cable hookup**. Connect the 4 terminal Deutsch connector on the adapter harness to the mating Deutsch connector on the USB interface cable. Use the "TC88A And All Others" switch position.

TCFI/VRFI GEN 4 POWER ADAPTER

Power adapter P/N 18007 consists of a 12V DC wall plug-in type power supply and an adapter harness. The Gen 4 power adapter can also be used with earlier TCFI/VRFI Gen 2-3 units.

1. **Power adapter hookup**. Connect the 36 terminal Delphi connector to the TCFI or VRFI module.

2. **USB interface cable hookup**. Connect the 4 terminal Deutsch connector on the adapter harness to the mating Deutsch connector on the USB interface cable. Use the "TC88A And All Others" switch position.

TCFI GEN 5 AND GEN 7 POWER ADAPTER

Power adapter P/N 18015 consists of a 12V DC wall plug-in type power supply and an adapter harness.

1. **Power adapter hookup**. Connect the gray and black 18 pin connectors to the TCFI Gen 5 or Gen 7 module. The connectors are keyed to prevent incorrect installation.

2. **USB interface cable hookup**. Connect the 4 terminal Deutsch connector on the adapter harness to the mating Deutsch connector on the USB interface cable. Use the "TC88A And All Others" switch position.

TCFI GEN 6 POWER ADAPTER

Power adapter P/N 18016 consists of a 12V DC wall plug-in type power supply and an adapter harness.

1. **Power adapter hookup**. Connect the 73 terminal Delphi connector to the TCFI Gen 6 module.

2. **USB interface cable hookup**. Connect the 4 terminal Deutsch connector on the adapter harness to the mating Deutsch connector on the USB interface cable. Use the "TC88A And All Others" switch position.

BENCH TOP PROGRAMMING NOTES

Follow the same procedures as described in the software instructions for on-bike programming. The only difference is that you plug in the power supply instead of turning on the ignition switch. If you are programming multiple units, always unplug the power supply in between changeovers.

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