



Twin Tec

Twin Tuner Installation on 2003-2007 Buell® Models Tech Note

**CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING.
NOT LEGAL FOR USE OR SALE ON POLLUTION CONTROLLED VEHICLES.**

OVERVIEW

The Twin Tuner can be used on 2003-2007 Buell® models equipped with DDFI electronic fuel injection. The engine control module (ECM) and signal connections differ from those used on Twin Cam models. You can follow the general steps in the Twin Tuner installation instructions, except refer to Table 1 below for wiring hookup. Note that the Buell® ECM has two 12 terminal Deutsch connectors: gray and black. To disassemble Deutsch connectors, use a small flat screwdriver to pry off the orange secondary locks and lift up the retaining tabs to release individual terminals.

Table 1 – Wiring Hookup

| Twin Tuner Wires | | |
|---|--|--------------------------|
| Wire Color | To ECM Terminal (connector color and pin number) | Signal |
| Blue | Black 12 | Tach |
| White | Black 1 | Ignition Switch |
| Red | Black 8 | Rear Injector |
| Orange | Black 5 | Front Injector |
| Violet | Gray 2 | Throttle Position Sensor |
| ECM Wires (removed from ECM connectors) | | |
| Wire Color (ECM terminal) | To Deutsch Plug (Supplied with Twin Tuner) | Signal |
| Gray (Black 1) | 1 | Ignition Switch |
| Pink (Black 12) | 2 | Tach |
| Violet/Yellow (Gray 2) | 3 | Throttle Position Sensor |
| White/Yellow (Black 5) | 4 | Front Injector |
| Green/Gray (Black 8) | 5 | Rear Injector |

WARNING: Installation of the Twin Tuner on 1999-2002 Buell® models will result in a check engine light and diagnostic trouble codes for injector low.