



## High Performance Coil-Near-Plug Smart Coil P/N 556-112

This coil is designed for use with Holley® HP and Dominator ECU's, as well other EFI systems that can drive "smart" ignition coils. Although it is designed for high powered race applications, it can be used on street driven vehicles as well.

### **Specifications:**

Peak Voltage – 44,000 Volts

Peak Output – 102 mJ

Maximum Battery Voltage – 17.0 Volts

Mating Connector – Delphi P/N 12162825 "Pull to Seat"

Connector Pin – Delphi P/N 12124075 "Pull to Seat"

**NOTE:** The wire must be fed through the back of the housing, out the front, and then the pin crimped. Pull the wire back in to seat it.

### **Wiring:**

The following refers to Holley® HP and Dominator EFI systems.

- Pin A – Coil Trigger. Connect to individual ECU EST Outputs. EST A should go to cylinder #1, EST B to cylinder #2, etc. Any gauge wire is acceptable. A 5V signal triggers this coil.
- Pin B – Coil Trigger Ground. These can be all tied together and go to Pin B14 (EST Ground Output). Any gauge wire is acceptable.
- Pin C – Ground to Cylinder Head. This ground **MUST** go to the cylinder head that the coil is discharging to. It is recommended to tie each cylinder bank together. Do **NOT** connect any other grounds to this point. This **MUST** be the only ground in this location. It is recommended to use an 18-20 gauge wire for each coil, and then tie them to a single 10-12 gauge wire.
- Pin D – Battery Ground. This high current ground should go to the battery or to a ground stud that is directly connected to the battery. Don't ground on sheet metal, etc. It is recommended to use 18-20 gauge wire, and then tie to a single 10-12 gauge wire.
- Pin E – High current switched +12V Power. Do **NOT** connect directly to the battery. It is recommended to install to a 40A relay source. Use 18-20 gauge wire for each coil, and then tie to a single 10-12 gauge wire.

### **Dwell Setting:**

- For street cars below 1.5 HP per cubic inch, the dwell should be set to 4.0 msec.
- For cars that exceed 1.5 HP per cubic inch, the dwell should be set to 4.5 msec.
- For high boost, maximum effort drag race engines, the dwell can be set to 5.0 msec.

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