

# IGNITOR<sup>®</sup>

## ELECTRONIC IGNITION

### 12-Volt Negative Ground Instructions

For Part Number: MR-162

**Before installing, please read the following important information....**

1. The Ignitor is designed for 12-volt negative ground systems.
2. The Ignitor is compatible only with a "resisted style" coil. Six cylinder engines require a minimum of 3.0 ohms of resistance.
3. If your Ignition coil has the proper primary resistance, remove or bypass all external resistors. Do not remove resistors if the coil primary resistance is lower than specified.

**PRIOR TO INSTALLATION TURN IGNITION SWITCH OFF OR DISCONNECT THE BATTERY**

1. Disconnect each of the point wires from the negative (-) terminal of the ignition coils.
2. Remove the distributor cap without disconnecting the spark plug wires.
3. Remove the screw that retains the distributor rotor. Note the position of the rotor. The red dot on the rotor and the dot on the distributor shaft should be aligned. Remove the rotor.
4. Remove the three screws that hold the bearing support to the distributor housing. Remove the bearing support and bearing.
5. Remove the points, condensers, and the wire grommets from the distributor. If present, remove the point lubricating felt and bracket.
6. Remove the snap ring from the top of the point cam.
7. Clean the base of the distributor housing and distributor cam.
8. Place the Ignitor adapter plate into the distributor housing. Align the notches in the plate with the distributor. Make sure the "A" and "B" stamped into the plate align with the corresponding marks in the distributor housing and the wire exits.
9. Use the provided screws to tighten the plate in place.
10. Install each module onto the adapter plate studs. Use the provided lock washers and nuts to tighten the modules in place.
11. Insert the wires from each module into the wire exit holes in the distributor housing. Pull the grommet into place and gently pull the excess wire out of the distributor. Make sure that the wires do not interfere with any moving parts.
12. Place the magnet sleeve onto the point cam and press it down fully.
13. Install the snap ring, bearing and bearing support.
14. Install the rotor by aligning the dots on the shaft and rotor.
15. Install the distributor cap.
16. See wiring instructions.

#### LIMITED WARRANTY

Pertronix, Inc. Warrants to the original Purchaser of its solid-state ignition system (product) that the Ignitor, magnet assembly and wiring (components) shall be free from defects in material and workmanship for a period of (30) months from the date of purchase.

If within the period of the foregoing warranty Pertronix finds, after inspection, that the product or any component thereof is defective, Pertronix will, at its option, repair such products or component or replace them with identical or similar parts PROVIDED that within such period Purchaser:

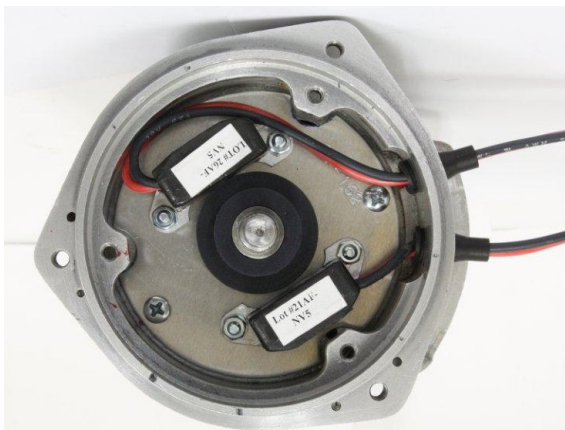
1. Promptly Notifies Pertronix, in writing, of such defects.
2. Delivers the defective products product or component to Pertronix (ATTN: Warranty) with proof of purchase date; and
3. Has installed and used the product in a normal and Proper manner, consistent with Pertronix printed instructions.

THE FORGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING AND IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PURPOSE.

THE FURNISHING OF A REPAIR OR REPLACEMENT COMPONENTS SHALL CONSTITUTE THE SOLE REMEDY OF PURCHASER AND THE SOLE LIABILITY OF PerTronix WHETHER ON WARRANTY, CONTRACT OR FOR NEGLIGENCE, AND IN NO EVENT WILL PerTronix BE LIABLE FOR MONEY DAMAGES WHETHER DIRECT OR CONSEQUENTIAL.



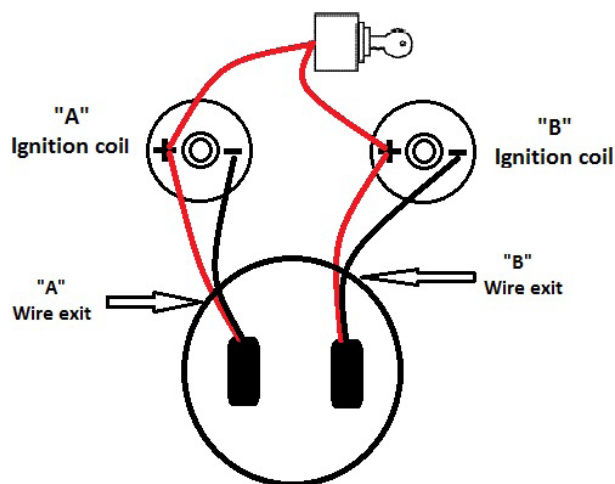
440 E. Arrow Highway, San Dimas, CA. 91773  
909-599-5955 [www.pertronix.com](http://www.pertronix.com)



### WIRING INSTRUCTIONS

The Ignitor Igniton can be used in conjunction with most ignition coil rated at 3.0 ohms or greater. For optimum performance purchase and install the Flame-Thrower high performance coil.

1. Use the provided ring terminals to attach each of the black Ignitor wires to the negative (-) terminal of each coil.
2. Attach each of the red Ignitor wires to the positive (+) terminal of each coil.
3. The module wires that exit the distributor at the "A" location should be attached to the "A" coil and the module wires that exit the "B" location should be connected to the "B" coil.
4. Check and insure that the polarity is correct, and that all connections are tight.
5. Reconnect battery and make sure all wires are connected.
6. The engine can now be started. Let the engine run for a few minutes and then set the timing in the conventional manner.



### Ignitor COMMON QUESTIONS AND ANSWERS

Q. What is the first thing I should check if the engine would not start?

A. Make certain all wires are connected securely to the proper terminals.

Q. The engine will not start or runs rough. Are there any tests I can do?

A. Yes, remove the red ignitor wire from the coil. Connect jumper wire from the positive side of the battery to the red ignitor wire just removed from the coil. If the engine starts, then you have a low voltage problem. Remember this is just a test. Not intended for permanent installation.

Q. How can I fix a low voltage problem?

A. First, if you have an external ballast resistor or resistance wire, connect the red ignitor wire to the ignition wire prior to the ballast resistor or resistance wire. Second, if you do not have an external resistor you must connect the ignitor red wire to a 12-volt source that is controlled by the ignition switch.

Q. Should I remove the starter bypass wire?

A. No, the starter bypass wire is needed to provide voltage while starting (cranking).

Q. What type of coil do I need?

A. The ignitor is compatible only with a "points type" coil. Six cylinder engines require a minimum of 3.0 Ohms of resistance (primary).

Q. How do I check my coil for resistance?

A. First you need an ohmmeter. Remove all the wires from the coil. Attach the ohmmeter to both the positive and negative terminals. The reading should be 3.0 Ohms or greater for six cylinder engines. (Your local auto parts store can do this for you if you don't have an ohmmeter)

Q. What do I do if my coil does not have enough resistance?

A. You may purchase and install a ballast resistor from your local auto parts store. You may also choose to purchase a Flamethrower 40,000-volt coil, which provides resistance internally. Note: Many vehicles come with ballast resistor or resistance wire. These applications do not need an additional resistor.

Q. What happens if you leave the ignition switch on when the engine is not running?

A. This can cause your coil to overheat, which may cause permanent damage to the coil and the ignitor.

Q. May I modify the length of the wires?

A. Yes, you can cut the wires to any length your application may require. You may also add length of wire if needed (20-gauge wire). Please make sure all wire splice are clean and connections are secure.

Q. How can I get additional help?

A. Call our tech line (909-547-9058) for any further instructions or questions.