

| FLAME-THROWER COIL APPLICATIONS | | | | | | |
|---------------------------------|----------------|-----------|--------------------|--------------------------------|--------|-------|
| Use with: | System Voltage | Cylinders | Primary Resistance | Recommended Flamethrower Coils | | |
| | | | | Black | Chrome | Epoxy |
| MR-164 | 12V | 8 | 3.0 ohms | 40511 | 40501 | 40611 |



For Part Numbers: MR-164

CAUTION!!! Please read the following important information....

1. **DO NOT USE SOLID CORE SPARK PLUG WIRE.** Use suppression or carbon type spark plug wires.
2. **Warning!!!** Leaving the ignition switch "ON" with the engine "OFF" for an extended period could result in permanent damage to the Ignitor.
3. MR-164 requires a minimum of 3.0 ohms of primary resistance in the circuit. **NOTE:** If your Ignition coil has the recommended primary resistance, remove or bypass all external resistors. Do not remove resistors if the coil primary resistance is *lower than* 3.0 ohms.
4. Go to www.pertronix.com for additional information or call Technical Support @ 909-547-9058 for additional assistance.
5. The Ignitor is compatible as a trigger for most electronic boxes.

DISTRIBUTOR DISASSEMBLY

PRIOR TO INSTALLATION TURN IGNITION SWITCH OFF OR DISCONNECT THE BATTERY

1. Turn the ignition switch off and disconnect the battery negative (-) cable.
2. Disconnect each of the point wires from the negative (-) terminal of the ignition coils.
3. Remove the distributor cap without disconnecting the spark plug wires.
4. 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.
5. Remove the three screws that hold the bearing support to the distributor housing. Remove the bearing support and bearing.
6. Remove the points, condensers, and wire grommets from the distributor. If present, remove the point lubricating felt and bracket.
7. Remove the snap ring from the top of the point cam.
8. Clean the base of the distributor housing and distributor cam.

IGNITOR INSTALLATION

1. Place the Ignitor adapter plate into the distributor housing. Align the notches in the plate and the screw hole marked "**PIN**" to the distributor **CAP GUIDE PIN** on the distributor housing. SEE FIGURE 1.
2. Use the provided screws to tighten the plate in place.
3. Install each module onto the adapter plate studs. Use the provided lock washers and nuts to tighten the modules in place.
4. 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.

LIMITED WARRANTY

Pertronix, LLC. 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

5. Place the magnet sleeve onto the point cam and press it down fully.
6. Install snap ring, bearing and bearing support.
7. Install the rotor by aligning the dots on the shaft and rotor.
8. Install the distributor cap.
9. **DO NOT USE SOLID CORE SPARK PLUG WIRES.** Use suppression or carbon type spark plug wires.
10. See Wiring Instructions.

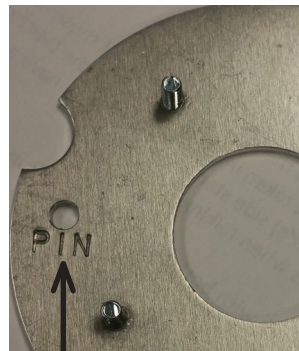
WIRING INSTRUCTIONS

The Ignitor ignition can be used in conjunction with most ignition coils 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 attached to the "B" coil.
4. Check to insure that the polarity is correct, and that all connections are tight.
5. Re-connect the battery and start the engine. Allow it to reach normal operating temperature. Check the timing, and adjust to the desired setting.

FIGURE 1

Align the screw hole marked **"PIN"** to the distributor **CAP GUIDE PIN** on the distributor housing.



"PIN" Screw Hole



GUIDE PIN

