



Replacement Magnetic Trigger
Part Number: D500720

LIMITED WARRANTY

PerTronix, LLC. warrants to the original Purchaser of its Flame-Thrower billet distributor that the product shall be free from defects in material and workmanship (normal wear and tear excluded) for a period of 12 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 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 FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THE FURNISHING OF A REPAIR OR REPLACEMENT COMPONENT OR 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.

GENERAL INFORMATION

1. **IMPORTANT: Read all instructions before starting installation.**
2. This Magnetic Trigger distributor **REQUIRES the use of a CAPACITIVE DISCHARGE (CD)** or other primary ignition system. The PerTronix Digital HP is highly recommended.
3. Solid core spark plug wires **MUST NOT** be used.

MAGNETIC TRIGGER REMOVAL

PRIOR TO INSTALLATION TURN IGNITION SWITCH OFF OR DISCONNECT THE BATTERY

To facilitate installation of replacement module, the distributor may need to be removed from the engine.

1. Disconnect the battery negative cable.
2. Disconnect the distributor connector.
3. Remove the distributor cap and rotor.
4. Before removing Magnetic Trigger, note wire routing. Magnetic Trigger wires must be routed in the same manner.
5. Cut molex connector and use as reference to install new connector.
6. Pull the lower distributor grommet free from distributor and open the top clasp.
7. Remove Magnetic Trigger retaining screws and remove Magnetic Trigger from the distributor.
8. Clean distributor plate mounting surface.

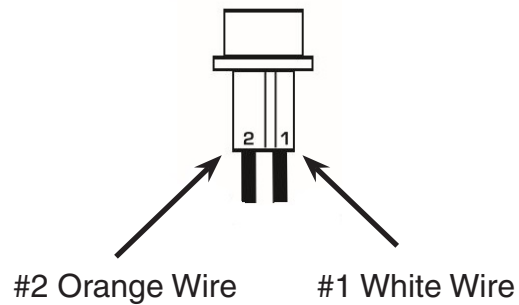
MAGNETIC TRIGGER INSTALLATION

9. Remove Magnetic Trigger from mounting plate and Install new Magnetic Trigger onto mounting plate.



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10. Install Magnetic Trigger onto distributor and secure using original screws. Check pickup coil (module) to reluctor alignment (they should be as close as possible without contact, between .010" and .020").
11. Route Magnetic Trigger wires through distributor, check to insure that the wires do not interfere with any moving parts.
12. Slide shrink tubing into grommet and close top clasp and re-install grommet into distributor.
13. Install WHITE wire into the #1 slot in the connector, install ORANGE wire into the #2 slot in the connector. See figure 1.
14. Connect Magnetic Trigger connector to wiring harness.
15. Reconnect the battery negative cable.



TESTING

1. Verify wiring to ignition system. (Amplifier box, or CD ignition).
2. Verify polarity of pickup coil.
3. Check pickup coil (module) to reluctor alignment (they should be as close as possible without contact, between .010" and .020").
4. Disconnect Mag trigger from harness and check the pickup coil (module) resistance. (400-500 Ohms).
5. Check the pickup coil voltage (AC Volts 1.0-2.0 volts).
 - Disconnect Mag trigger from harness.
 - Connect voltmeter leads to the white and orange wire.
 - Crank engine and note voltage on meter.