COMMON QUESTIONS AND ANSWERS

Q: The engine will not start or runs rough. What is the problem?
A: Check all connections to insure that they are tight, and in the proper location.
Check all grounds; if a distributor ground wire was removed make sure that it was reattached properly. Make sure that the red Ignitor II wire is supplied with a full 12 volts. The Ignitor II is designed to sense high current levels, and shut off before damage occurs. Check all wires for shorts, correct polarity and that the ignition coil’s primary resistance level is acceptable.

Q: The vehicle will start, but then die. After waiting it will start again. What is wrong?
A: The Ignitor II may have a "Low Voltage Problem." If the voltage supplied to the red Ignitor II wire is insufficient, the system may run for a period of time, and then shut down as the voltage drops due to engine heat. The period may vary from minutes to hours depending on available voltage and wiring condition. To remedy this condition refer to steps 2-4 of the wiring instructions.

Q: How do I check for a "Low Voltage Problem" or determine if I am getting adequate voltage?
A: To quickly test for a "Low Voltage Problem" or for adequate voltage, remove the Ignitor II red wire from the coil positive terminal. Attach a jumper wire from the battery positive terminal to the Ignitor II red wire. Try to start the vehicle. If the vehicle starts with this test refer to steps 2-4 of the wiring instructions for further information.

Q: How do I check my coil for primary resistance?
A: Remove all wires from the coil. Set the ohmmeter to the lowest scale. Attach one lead of the meter to the positive coil terminal. Attach the other lead to the negative coil terminal. The Ignitor II is compatible with coils having a resistance of 0.6 ohms or greater.

Q: May I modify the length of the wires?
A: Yes, you may cut the wires to any length your application requires. You may also add lengths of wire if needed (20-gauge). Make sure that all wire splices are clean and the connections are tight.

Q: Will the Ignitor II work with aftermarket capacitive discharge boxes?
A: Yes, the Ignitor II is compatible with most CD boxes in the same respect as points. Use the CD box wiring instructions for point systems and treat the Ignitor II black wire as a point wire. The Ignitor II red wire should be attached to the 12-volt power source.

Q: Will the electronic shift assist in an OMC boat work with the Ignitor II?
A: The Ignitor II will work with all OMC sterndrive applications, when our "diode fix" is used. If you’ve purchased a kit that didn’t include the "diode fix" diagram, call our tech line.

Q: How can I receive additional help?
A: Check our web site for current trouble shooting tips and up to date technical information. Log on to www.pertronix.com. You may also contact our tech line at (800-827-3758)

LIMITED WARRANTY
PerTronix, Inc. warrants to the original Purchaser of its solid-state ignition system that the products 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 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.

Complete your ignition upgrade with a high performance coil!

The 45,000 volt Flame-Thrower® II High Performance Coil. IT’S HOT!

- Available In Oil filled chrome or stock black.
- Epoxy version available for racing applications.

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<th>Percent of Spark Energy Available</th>
<th>1000</th>
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- Maximizes energy and reliability over the full RPM range.
- Ensures large spark gaps for greater plug efficiency, more power.
- Delivers more spark energy and efficiency.
- CARB E.O.: 40-07-10, legal in all 50 states and Canada.
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- Made in U.S.A.

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Ignitor® II
Electronic Ignition

INSTALLATION INSTRUCTIONS FOR PART NUMBERS 91145A, 91146A & 91163A

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

1. Turn the ignition switch off and disconnect the battery negative (-) cable.
2. Remove the distributor cap and rotor. Do not disconnect the spark plug wires from the cap.
3. Examine the distributor cap and rotor for excessive wear or damage. Replace as needed.
4. Disconnect the points wire from the negative (-) terminal of the coil.
5. Remove the screws retaining the dust cap. Remove the dust cap and entire breaker plate assembly. The Ignitor II does not require any modification to the distributor. Therefore, keep all parts and hardware for backup.
6. Clean all dirt and excess oil from the distributor and point cam.
7. Set the Ignitor II adapter plate into the distributor housing. Line up the outlet in the adapter plate with the notch in the distributor housing.
8. Confirm that the Ignitor II plate is flat and fits without any modification.
9. Fasten the plate into place using the original screws.
10. Install the module over the studs and down onto the adapter plate.
11. Use the provided lock nuts to hold module in place. Do not tighten.
12. The module is serviceable at this time.
13. Install magnet sleeve over distributor shaft, and onto the point cam.
14. Rotate the sleeve until a slight locating position is felt before applying pressure. With sleeve lined up on point cam, press down firmly insuring sleeve is fully seated.
15. Using the plastic feeler gauge provided, adjust the air gap between the module and the magnet sleeve. The gap should be approximately 0.030".
16. Secure the module by tightening the two lock nuts.
17. Rotate the distributor shaft through a complete revolution. Verify that the magnet sleeve does not rub the module.
18. It is necessary to file a slot in the distributor cap to allow for the larger grommet. Using the indentation on the rim of the cap as a guide, file away enough material so that the grommet will not be pinched when the cap is installed. A 3/16" deep by 1/4" wide slot is sufficient. (See Figure A) IT IS IMPERATIVE THAT THIS SLOT BE FILED INTO THE CAP. FAILURE TO DO SO COULD RESULT IN AN ELECTRICAL SHORT.

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