COMMON QUESTIONS AND ANSWERS
Q. The engine will not start or runs rough. What is the problem?
A. Perform Power and Ground Checks. 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. Perform Power and Ground Checks. 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. Perform Power and Ground Checks. Also, 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. Determine if the meter will register a reading.

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 is compatible as a trigger for most electronic boxes.

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Q. Will the electronic shift assist in an OMC boat work with the Ignitor II?
A. The Ignitor II is compatible as a trigger for most electronic boxes.
1. The Ignitor II ignition can be used in conjunction with most ignition coils rated at 0.45 ohms or greater. For optimum performance purchase and install the Flamethrower II high performance coil.
2. Attach the black Ignitor II wire to the negative coil terminal. Attach the red Ignitor II wire to the positive coil terminal. (See Figure 3)
3. Check to insure that the polarity is correct, and that all connections are tight.
4. Re-connect the battery.
5. Perform the Power and Ground tests. Refer to the Power and Ground test procedure.
6. Start the engine and allow it to reach normal operating temperature. Check ignition timing, and adjust to the desired setting.

**POWER & GROUND TESTS**

- **Resistance from Ignitor plate to battery negative (-) terminal**: 0.4 ohms
- **Resistance of meter leads**: 0.2 ohms
- **Resistance from Ignitor plate to battery negative (-) terminal**: 0.2 ohms

**EXAMPLE:**
Maximum resistance from Ignitor plate to battery negative terminal. 0.2 ohms
Resistance from Ignitor plate to battery negative (-) terminal. 0.4 ohms
Resistance of meter leads. 0.2 ohms
After subtracting meter lead resistance, your net resistance is: 0.2 ohms

**VOLTAGE TEST**

1. (Do not disconnect wires from Ignition coil). Place ignition switch in the "off" position.
2. Connect a jumper wire from negative (-) terminal of the coil to a good engine ground.
3. Connect the voltmeter red lead to the positive (+) terminal of the coil and the black lead to a good engine ground.
4. Turn the ignition switch to the "on" position and note voltage reading on the voltmeter. Quickly read the voltage and turn ignition "OFF". Leaving ignition "ON" for an extended period could result in permanent damage to the Ignitor.
5. SEE CHART BELOW FOR SPECIFICATIONS.

**WARNING! DO NOT USE WITH SOLID CORE SPARK PLUG WIRES & COIL WIRE.**

11. See Wiring Instructions.