

CDI ELECTRONICS INSTALLATION/TROUBLESHOOTING GUIDE

CDI P/N : R393-3736

This unit replaces P/N's: 393-2918, 332-3736 and 393-4177

Warning! This product is designed for installation by a professional marine mechanic. CDI cannot be held liable for injury or damage resulting from improper installation, abuse, neglect or misuse of this product.

Installation

Disk assembly:



Note: On 6 cylinder engines, the tip of the rotor must split the right hand side of the opening in the disk.

Service Note: On a double notched shaft, the wide notch is for a 6 cylinder disk and the narrow notch is for the 4 cylinder engines.

Troubleshooting

NOTICE: If the trigger fails the Ohm test below, it is definitely bad. If it passes the tests, the trigger may or may not be good. These tests comprise the only bench test available at this time. Be sure to follow the instructions at the bottom when lining up the rotor and disk. Trigger tester R511--9710 is highly recommended.

Dead or no fire until you let off of the key switch:

1. Verify that there is at least 9 volts at the brown terminal (on the trigger side of the CD module) while cranking the engine.
2. DVA check between the black and white trigger wires with everything hooked up. Reading should be at least 3 volts at cranking.
3. Check resistance on RX-1 scale between the white wire and ground. If it reads dead short, the black wire should read approximately 27 ohms to ground. If the white wire is not shorted to ground, check the black wire to ground. If it reads completely shorted to ground, the white wire is checked to ground like a diode (connect red lead to white wire, and black lead to ground. Reverse leads. It should show a reading in only one direction).

Only fires when the starter is engaged: Usually indicates a bad trigger.

Fires all cylinders but engine will not run: Recheck sensor wheel to make sure it is right side up. See diagrams on the back for correct placement.

Misses on one or more cylinders: Connect spark gap checker to all cylinders, align the rotor to each cylinder in turn, fire the pack using the R97-1 Battery CD Tester. If a cylinder fails to fire, or if another cylinder fires besides the one that the rotor is pointed to, replace the distributor cap. Watch for spark plug wires arcing to the engine block.

Thank you for using CDI Electronics

2/16/2004