



# Installation and Troubleshooting Guide



NOTE: This installation is to be completed by an Authorized Dealer or Professional Service Technician. For questions regarding installation or warranty, call CDI Tech Support at 866-423-4832. **Do not return to the Dealer or Distributor where the part was purchased. Contact CDI Electronics Directly for Return Material Authorization.**

## CDI PN: 934-0005 Harness, 5 Pin

Replaces: 854839T02

**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 AS A REPLACEMENT CONNECTOR

1. Disconnect the negative battery cable.
2. Remove the old connector from the ignition coil.
3. Measure out between 2 and 4 inches behind the connector and cut the old connector off. Try to stagger the cuts so the splices are not at the same length.
4. Trim the new connector's wires so the wires align, matching colors.
5. Strip approximately 3/16" of insulation from each wire, both of the Replacement Connector and the wires that went to the old connector.
6. Splice the wires together, matching wire colors. Cover the connection with heat shrink.
7. Reconnect the negative battery cable.

### IF USED AS A TEST HARNESS

#### NO FIRE:

1. Clean all Battery cables, engine and battery connections, both on the engine and on the battery.
2. Check/Clean all engine ground connections, both the terminals and the grounding location.
3. Verify the correct sparkplugs are installed and gapped properly. Refer to the EPA Data plate for specifications.
4. Check all fuses.
5. Verify battery voltage on the Red/White wire at cranking. It must be over 8 VDC.
6. Check Connector pinout as follows:
  - Pin A = Green/Red Strip
  - Pin B = Black/Orange Stripe
  - Pin C = Black
  - Pin D = Black/White Stripe
  - Pin E = Red/White Stripe
7. Check the Ignition coil as shown on the next page. If it fails the testing, replace the coil.



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## IGNITION COIL TESTING

**184-0003, 339-879984A 1, 339-879984T00, 300-879984T01, 879984T01 and 300-8M0077471  
184-0004, 339-883778A01, 339-883778A02, 339-8M0077473 and 8M0077473**

<b>Red Meter Lead</b>	<b>Function</b>	<b>Black Meter Lead</b>	<b>Reading</b>
Pin A (Green/Red)	EST	Secondary Tower	Open
Pin A (Green/Red)	EST	Pin B (Black/Orange)	8.5 - 12K $\Omega$
Pin A (Green/Red)	EST	Pin C (Black)	Open
Pin A (Green/Red)	EST	Pin D (Black/White)	29 - 39K $\Omega$
Pin A (Green/Red)	EST	Pin E (Red/White)	11 - 21K $\Omega$
Pin B (Black/Orange)	EST Low	Secondary Tower	Open
Pin B (Black/Orange)	EST Low	Pin A (Green/Red)	8.5 - 12K $\Omega$
Pin B (Black/Orange)	EST Low	Pin C (Black)	Open
Pin B (Black/Orange)	EST Low	Pin D (Black/White)	39 - 49K $\Omega$
Pin B (Black/Orange)	EST Low	Pin E (Red/White)	21 - 31K $\Omega$
Pin C (Black)	Output Ground	Secondary Tower	0.850 - 1.2 K $\Omega$
Pin C (Black)	Output Ground	Pin A (Green/Red)	Open
Pin C (Black)	Output Ground	Pin B (Black)	Open
Pin C (Black)	Output Ground	Pin D (Black/White)	Open
Pin C (Black)	Output Ground	Pin E (Red/White)	Open
Pin D (Black/White)	Primary Ground	Secondary Tower	Open
Pin D (Black/White)	Primary Ground	Pin A (Green/Red)	20 - 30K $\Omega$
Pin D (Black/White)	Primary Ground	Pin B (Black)	39 - 49K $\Omega$
Pin D (Black/White)	Primary Ground	Pin C (Black)	Open
Pin D (Black/White)	Primary Ground	Pin E (Red/White Stripe)	13 - 23K $\Omega$
Pin E (Red/White Stripe)	Battery Positive	Secondary Tower	Open
Pin E (Red/White Stripe)	Battery Positive	Pin A (Green/Red)	11 - 21K $\Omega$
Pin E (Red/White Stripe)	Battery Positive	Pin B (Black/Orange)	21 - 31K $\Omega$
Pin E (Red/White Stripe)	Battery Positive	Pin C (Black)	Open
Pin E (Red/White Stripe)	Battery Positive	Pin D (Black/White)	13 - 23K $\Omega$

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Web Support: [www.cdielectronics.com](http://www.cdielectronics.com) • Tech Support: 1-866-423-4832 • Order Parts: 1-800-467-3371

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