



# Installation and Troubleshooting Guide

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## CDI P/N: 474-9550 Universal Boat Side Wiring Harness

This harness replaces the boat side harness used on engines with the internal engine harness mounted through the lower cowling.

**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

1. Disconnect the battery cables from the battery, negative cable first.
2. Disconnect the old harness from the engine.
3. Disconnect the keyswitch and gauges in the boat.
4. Remove the old boat side harness (TECH TIP: Tie a rope to the old harnesses wires near the end of the wires and pull it with the old harness. This will make it easier to pull the new harness back through the same route.)
5. Install the new boat side harness, routing the wires the same way as the old harness.
6. Terminate the new wires for the gauges as needed using the terminals provided and connect them to the gauges.
7. Connect the new wires to the ignition switch either as a solder connection or use the terminals provided.
8. Connect the new harness to the engine.
9. Connect the battery cables of the new harness to the battery.

### NORMAL CONNECTIONS FOR BATTERY TYPE IGNITIONS:

SWITCH BOX P/N's

Mercury	CDI Electronics
332-2803	114-2803
332-2986	114-2986
332-4796	114-4796
337-4411	N/A
Points/Condenser	N/A



Wire Color	Function/Connection
Black (4 AWG)	Battery (-) Ground Terminal
Yellow	Start Terminal on Ignition Switch
Gray	Choke Terminal on Ignition Switch
Orange	Kill Circuit for ADI- Not Used, Tape Off
White	"I" Terminal on Ignition Switch (12V Key On)
Brown	Tachometer Signal
Red (4 AWG)	Battery (+) Positive Terminal
Red (18 AWG in Harness)	"B" Terminal on Ignition Switch

### NORMAL CONNECTIONS ON ALTERNATOR DRIVEN IGNITIONS

SWITCH BOX P/N's

Mercury	CDI Electronics	Mercury	CDI Electronics
332-4172	N/A	333-3213	N/A
332-5772	114-5772	338-4733	114-4911
332-7778	114-7778	339-5287	114-6222
332-4911	114-4911	339-6222	114-6222

Wire Color	Function/Connection
Black (4 AWG)	Battery (-) Ground Terminal
Black (18 AWG)	"M" Terminal on Ignition Switch (Kill Circuit for ADI)
Yellow	Start Terminal on Starter Solenoid
Gray	Choke Terminal on Ignition Switch
Orange	"M" 2nd Terminal on Ignition Switch (Kill Circuit for ADI)
White	"I" Terminal on Ignition Switch (12V Key On)
Brown	Tachometer Signal
Red (4 AWG)	Battery (+) Positive Terminal
Red (18 AWG in Harness)	"B" Terminal on Ignition Switch