



Installation and Troubleshooting Guide

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CDI P/N: 414-2770 Internal Engine Wiring Harness

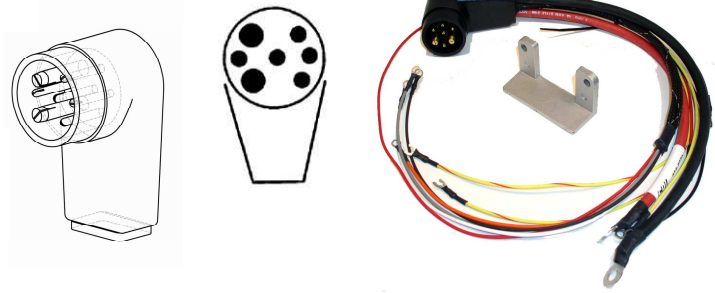
This harness replaces P/N's: 37628, 38072, 38910, 39177, 45070, 46285, 46905, 48150, 49370, 52769, 52770, 52771, 52820, 56370, 59741, 84-46463, 84-62534, 84-66055, 84-66297, 84-69236, 84-71443, 84-73826, 84-74904.

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. Fuses are not included with this harness.

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)	Engine Ground
Black (18 AWG)	Negative Terminal on Starter Solenoid
Yellow	Start Terminal on Starter Solenoid
Gray	Choke Solenoid
Orange	Kill Circuit for ADI- Not Used, Tape Off
White	12V From Key-switch
Yellow/Red Stripe (2)	Jumpers for Rectifier to Stator Term Block
Brown	Tachometer Signal
Red (4 AWG)	Battery Side of Starter Solenoid
Red (18 AWG in Harness)	POS (+) of Rectifier (May not be needed)
Red Jumper	Connect between Rectifier positive post and the red terminal on the switch box.

NORMAL CONNECTIONS ON ALTERNATOR DRIVEN IGNITIONS

WARNING!! DO NOT CONNECT ANY 12V DC (RED WIRE) TO THE SWITCH BOXES LISTED BELOW AS SEVERE DAMAGE WILL RESULT.

SWITCH BOX P/N's

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

Wire Color	Function/Connection
Black (4 AWG)	Engine Ground
Black (18 AWG)	Negative Terminal on Starter Solenoid
Yellow	Start Terminal on Starter Solenoid
Gray	Choke Solenoid
Orange	Kill Circuit for ADI- (May be Black/Yellow)
White	Not Used- Tape Off
Yellow/Red Stripe (2)	Jumpers for Rectifier to Stator (If Needed)
Brown	Tachometer Signal
Red (4 AWG)	Battery Side of Starter Solenoid
Red (18 AWG in Harness)	POS (+) of Rectifier (May not be needed)
Red Jumper	No Connection.
Black Jumper	Connect Form Switch Box to Engine Ground.