

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.**

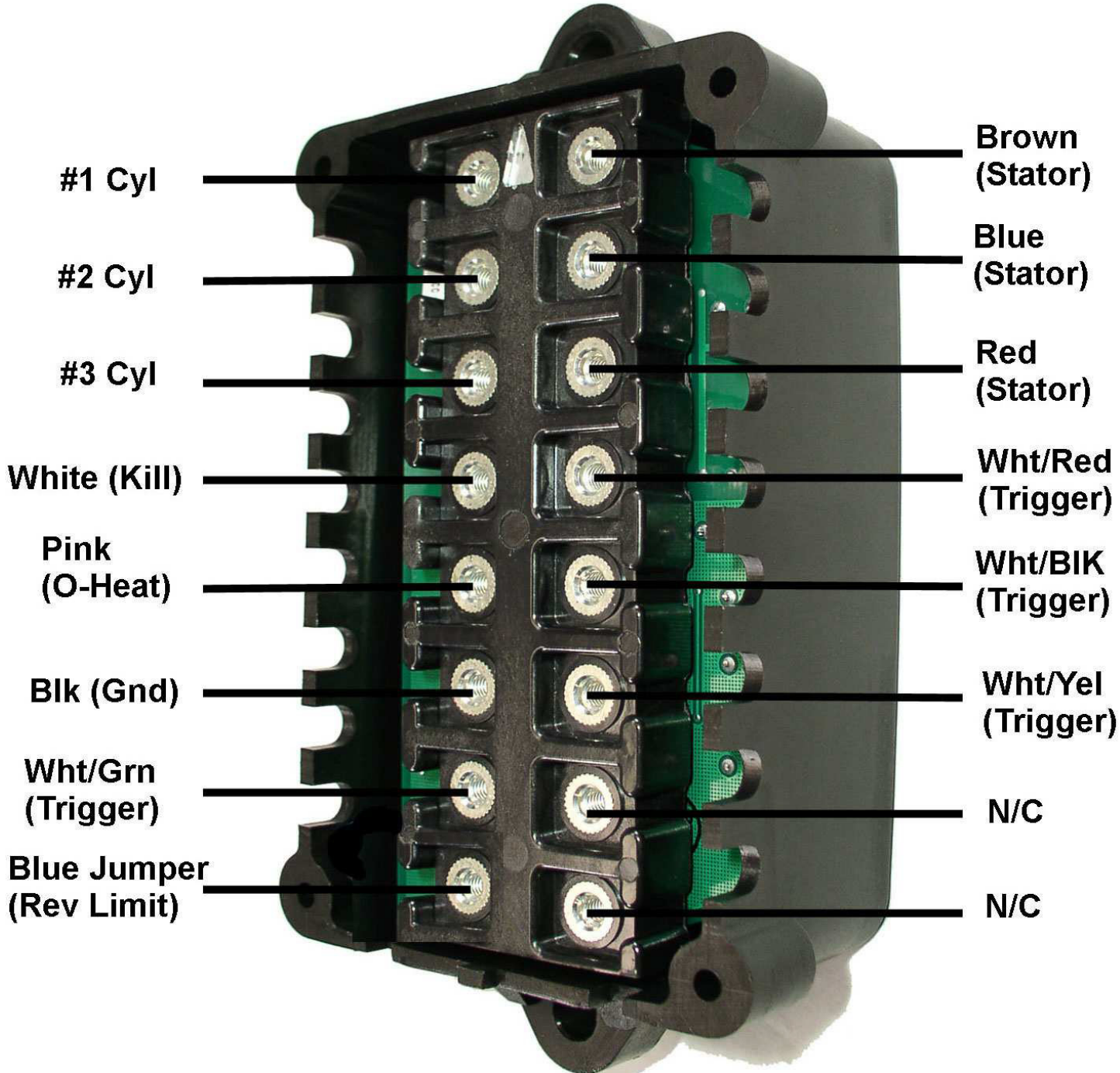
## CDI P/N: 117-688-15 Ignition Pack 3 Cylinder

This unit replaces the following P/N's: 688-85540-12-00, 688-85540-13-00, 688-85540-14-00, 688-85540-15-00, and 688-85540-16-00.

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

### INSTALLATION

1. Disconnect the negative battery cable.
2. Remove power pack mounting bolts and disconnect all of the wires going to the old power pack.
3. Connect the wires to the new power pack.
4. Mount the new power pack using the original bolts.
5. Connect the wires as follows:





# Installation and Troubleshooting Guide



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6. Reconnect the battery cable.

## TROUBLESHOOTING

### NO SPARK ON ANY CYLINDER:

1. Disconnect the White stop wire and retest. If the engine's ignition now has spark, the stop circuit has a fault-check the key switch, harness and shift switch.
2. Jumper the ground terminal to a clean engine ground. If fire returns, make up a Black jumper wire and connect it with the existing Black ground wire on the power pack. This will help insure any other grounds connected to this wire are also grounded.
3. Clean all engine and ignition grounds. Check the ground wires to make sure the wire is not broken at the terminal.
4. Disconnect the Blue Jumper wire from terminal If the engine runs normally, replace the power pack.
5. Check the resistance and DVA output of the Stator and Trigger:

Read from	Read to	OEM Reading	CDI Reading	DVA (connected to pack)
White/Red Trigger wire	White/Yellow Trigger wire	280-430 ohms	N/A	2.5 Volts Minimum
White/Black Trigger wire	White/Green Trigger wire	280-430 ohms	N/A	2.5 Volts Minimum
Brown Stator wire	Blue Stator wire	840-1260 ohms	600-800 ohms	85 Volts Minimum
Blue Stator wire	Red Stator wire	110-130 ohms	10-20 ohms	25 Volts Minimum

6. Check the cranking RPM. A cranking speed of less than 250-RPM will not allow the system to fire properly.