



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 P/N: 179-0004 Alternator Coil 2 Cylinder

Replaces P/N: 3A0060230M, 3A0-06023-0, 3A00206-0230.

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 Yellow and White wires Alternator's bullet connectors to the Rectifier.
2. Remove the flywheel. Remember, the flywheel nut may be Left hand thread.
3. Remove the old Alternator Coil Assembly screws, keeping the original mounting screws.
4. Remove the channel bracket holding the wires exiting the stator plate assembly, saving the mounting screws.
5. Unwrap the support arm from the wire bundle with the Red, Blue, Black, White and Yellow wires.
6. Tie a string around the Yellow and White wires of the old Alternator Coil Assembly close to the bullet connectors.
7. Spray a little cooking oil up into the wire bundle with the Red, Blue, Black, White and Yellow wires.
8. Pull the Yellow and White wires out of the wire bundle with the Red, Blue, Black, White and Yellow wires.
9. Remove the string from the Yellow and White wires of the old Alternator Coil and re-tie it on the new Alternator Coil's Yellow and White wires near the bullet connector. Then, use the string to pull the new Yellow and White wires through the bundle.
10. Route the wires from the new Alternator Coil Assembly the same as the old Alternator Coil Assembly.
11. Mount the new Alternator Coil Assembly to the plate, using the recommended thread-locker applied to the screws.
12. Route the wire bundle under the channel bracket to hold the wires exiting the stator plate assembly in place using the original screws.
13. Wrap the support arm around the wire bundle with the Red, Blue, Black, White and Yellow wires.
14. Install the flywheel according to the service manual, using the correct torque specifications.
15. Connect the Yellow and White wires from the new Alternator Coil Assembly to the Rectifier.

TROUBLESHOOTING

WILL NOT CHARGE BATTERY:

1. Test the stator (exciter) and trigger (pulsar) stator coils as follows:

Red Lead	Black Lead	Function	Ohms
Yellow	White	Alternator Output	0.2-0.4 Ω*
Yellow	Engine Ground	-	Open
White	Engine Ground	-	Open

* As the ohms resistance is so low, most meters will show a shortage.

2. Remove the flywheel and perform a visual inspection. The copper winding should show copper color. Not burned or have a dark color. If found, replace the Alternator coil and rectifier as a set.
3. Replace the rectifier.

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Web Support: www.cdielectronics.com • Tech Support: 1-866-423-4832 • Order Parts: 1-800-467-3371

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