



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: 174-6231K 2 Stator 5 Cylinder

This stator replaces the following P/N's: 398-6231A12, 398-6231A13, 398-6231A14 and 398-6231A15.

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.

DO NOT USE A MAINTAINENCE FREE, AGM OR DRY CELL BATTERY WITH THIS TYPE CHARGING SYSTEM!!!

INSTALLATION

1. Disconnect the negative battery cable.
2. Disconnect the stator wires from the rectifier/regulator.
3. Remove the flywheel.
4. Mark the position of the mounting screws in relation to where the stator wires come out of the old stator.
5. Remove the old stator.
6. Orient and install the new stator (using a good thread-locker applied to the bolts) in the same position as the old stator on the engine and install the flywheel, following the service manual instructions.
7. Connect the new stator to the regulator/rectifier.
8. Connect the negative battery cable.

TROUBLESHOOTING

Recommended tools:

- CDI multimeter (511-60A)
- Ammeter Adapter (CDI 511-9772)
- Battery Load bank

WILL NOT CHARGE BATTERY:

1. Connect a voltmeter to the battery and record the battery voltage.
2. Start the engine and with the engine running at approximately 1500 RPM, check the voltage on the battery. It should show a rise in volt within a short time.
3. If the voltage does not rise, connect a amp probe between the battery and the battery cable going to the engine.
4. Start the engine and with the engine running at approximately 1500 RPM, check the amperage going to the battery. If you see over 1 amp, increase the RPM to approximately 2000 RPM. If the amperage goes up, the charging system is working. There may be a problem in the battery.
5. If there is no output to the battery, test the regulator/rectifier per the service manual or go to the CDI Electronics website and type in the 194-5279 into the search box. Download the install sheet for the 194-5279 and follow the troubleshooting section.

CHECKING MAXIMUM BATTERY CHARGE OUTPUT:

1. Install an ammeter capable of reading the maximum output in line on the red wire connected to the starter solenoid.
2. Connect a load bank to the battery.
3. In the water or on a Dynamometer, start the engine and bring the RPM up to approximately 5000.
4. Turn on the load bank switches to increase the battery load to match the rated output of the stator (16 amps).
5. Check the ammeter.
6. If the amperage is low, test per "**WILL NOT CHARGE BATTERY**" above.
7. If the amperage is correct, but the battery voltage remains low, replace the battery.

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

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