



INSTALLATION/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: 274-5454K 1 High Performance Stator 3/4 Cyl. 9 Amp

This stator replaces the following P/N's for High Performance Applications:

398-5454A21, A22, A24, A25, A26, A41, A56, A62 and A63

398-5919A2, A3, A6, A7, A8 and A10

398-5704A 2, A4 and A7

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 WITH THE FLYWHEEL CONTAINING GLUED-IN MAGNETS (1988 and newer) !!**

If this stator is to be used on a three cylinder engine, connect the red/white and blue/white striped wires to engine ground.

INSTALLATION

1. Disconnect the stator wires from the switch box, engine ground and the rectifier/regulator.
2. Remove the flywheel.
3. Mark the position of the mounting screws in relation to where the stator wires come out of the old stator.
4. Remove the old stator.
5. Orient and install the new stator in the same position as the old stator on the engine and install the flywheel, following the service manual instructions.
6. Connect the Yellow stator leads to the rectifier/regulator.
7. Connect the red and blue wire to the switch box.
8. Connect the red/white and blue/white wires to the switch box on a 4 cylinder engine or connect both the red/white and blue/white wires to engine ground if the engine is a three cylinder.

TROUBLESHOOTING

NO FIRE ON ANY CYLINDER:

1. Check resistance from blue and blue/white to engine ground, CDI stators will read approximately 2250 ohms. Check resistance from red and red/white to engine ground. It should be approximately 30 ohms. There should be no reading to engine ground with the wires disconnected.
2. Check DVA (peak voltage) test stator output. It should be 180v or more on the low speed coil and 25v or more on the high speed coils.
3. Inspect the flywheel outer and trigger magnets to see if they are loose or broken.
4. Disconnect the rectifier/regulator and retest. If the fire returns, replace the rectifier/regulator.
5. Disconnect red and red/white wires and retest. If DVA test above was OK, the pack is usually bad.

NO FIRE ON TWO CYLINDERS:

1. DVA test stator (see #1 above).
2. Swap sides with the stator leads to see if the no fire problem follows one side of the stator. If it does, the stator is bad. If the problem remains on the same 2 cylinders, the power pack or trigger is probably at fault.

HIGH SPEED MISS OR WEAK HOLE SHOT:

CDI Electronics, LLC • 353 James Record Road SW • Huntsville, AL 35824 USA

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

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1. Connect DVA meter to the blue and blue/white wires and do a running test. The voltage should show a smooth climb and stabilize, gradually falling off at higher RPM's (above 3000). If you see a sudden drop in voltage right before the miss becomes apparent, the stator is likely at fault.
2. Connect DVA meter to the red and red/white wires. The voltage should show a smooth climb throughout the RPM range, a sudden drop or decline in voltage indicates a problem usually found in the stator, although a rectifier can cause the same symptom.
3. Disconnect rectifier/regulator and retest. If the problem disappears, replace the rectifier/regulator and retest.
4. Swap the Red wire with the Red/White wire and retest. If the engine now performs properly, leave the wires as they are.
5. Rotate the stator one mounting hole and retest.

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