



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: 176-5095 Stator 2, 3 & 4 Cyl.

This stator replaces P/N's 475095, 615095, F615095, 616095, 300-475095, 300-888792 and 300F616095 (2, 3 and 4 cylinder stators with plastic connectors).

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.

NOTICE!! This stator has been redesigned to enhance durability and reduce inventory stock levels. It replaces the original dual winding with a single winding with larger wire. This design allows the stator to be used for the 2, 3 and 4 cylinder applications.

2 Cylinder

Replace the original stator with the new one. Wire tie the extra stator connector lead out of the way so it does not short out anywhere.

3 Cylinder

Replace the original stator with the new one. Ignore the extra stator wire in the connector going to the pack firing a single cylinder.

4 Cylinder

Replace the original stator with the new one, all wire colors should match.

TROUBLESHOOTING

NO SPARK ON ANY CYLINDER:

1. Disconnect the Kill (Stop) wires, typically White or Black/Yellow. If spark returns, there is a problem in the Kill circuit, possibly the ignition switch.
2. Disconnect the Green wires to the rectifier. If spark returns, replace the rectifier.
3. Check both Stator leads and check the resistance and DVA of the Stator as follows:

WIRE	Read To	CDI Ohms	DVA Connected	DVA Disconnected
Brown/Blue	Yellow or Brown/Yellow	250-350	180V or more	225V or more
Brown/Yellow	Blue or Brown/Blue	250-350	180V or more	225V or more
Brown/Blue	Engine Ground	Open		2 V or less
Brown/Yellow	Engine Ground	Open		2 V or less
4. Check the flywheel outer magnet and make sure it has not broken loose from the flywheel.

NO SPARK ON ONE CYLINDER:

1. Swap the coil connections of the cylinder not firing with one that is firing. If the problem moves, replace the coil.
2. (3 & 4 Cyl) Disconnect the stator lead to the pack firing both cylinders and see if the cylinder not firing starts firing. If so, replace the power pack you just disconnected.
3. (3 & 4 Cyl) Swap the trigger wires for the cylinder not firing with one that is firing. If the problem moves, replace the trigger.
4. Gently pull on the Brown/Blue and Brown/Yellow wires close to the connector. If the insulation stretches, the wire is broken inside the insulation and a new terminal needs to be put on.
5. Swap the Brown/Blue and Brown/Yellow wires and see if the problem moves to the other cylinder. If it does, the stator is defective. If not the pack is likely bad.

NO SPARK ON TWO CYLINDERS:

1. If two cylinders from the same CD unit will not fire, swap the stator leads. If the problem moves, check the stators wires by pulling on the wires to the connector.
2. Swap the trigger wires for the cylinders not firing with the cylinder with fire. If the problem moves, replace the trigger. If no change, replace the power pack(s).

Connections

(2 and 3 Cylinder Engines)

Pack #1 (Firing #1 and #2 cylinders)

Trigger: Orange	Pack: Orange
Green	Green
Orange	Red
Green	White/Green stripe
Stator: Brown/Yellow stripe	Pack: Yellow
Brown/Blue stripe	Blue
Coil #1: White	Pack: Orange
Coil #2: White	Pack: Red

Pack #2 (Firing #3 cylinder)

Trigger: Red	Pack: Red
White/Green stripe	White/Green stripe
Stator: Brown/Yellow stripe	Pack: Blue
Coil #3: White	Pack: Red

(4 Cylinder Engines)

Pack #2 (Firing #3 and #4 cylinders)

Trigger: Orange	Pack: Orange
Green	Green
Orange	Red
Green	White/Green stripe
Stator: Brown/Yellow stripe	Pack: Yellow
Brown/Blue stripe	Blue
Coil #3: White	Pack: Orange
Coil #4: White	Pack: Red

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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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