



Installation and Troubleshooting Guide

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CDI P/N: 176-5095

This stator replaces P/N's 475095, 615095, F615095, 616095, 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 | Blue or Brown/Blue | 250-350 | 180V or more | 225V or more |
| Brown/Yellow | Brown/Yellow | 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 |