Installation and Troubleshooting Guide

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 ALL of the Yellow (Brown/Yellow) wires to be connected together and ALL of the Blue (Brown/Blue) wires to be connected together from the stator, permitting the stator to be used for the 2, 3 and 4 cylinder applications.

2 Cylinder
Replace the original stator with the new one. Ignore the extra stator connector lead.

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 fire on any cylinder:

1. Check the resistance from each blue to the yellow wires, you should read approximately 300 ohms.
2. Check the resistance from each blue and yellow wires to engine ground, you should read open circuit (Just like the leads were not touching anything).
3. Check DVA (Peak voltage) from blue to the yellow wires, you should read at least 180V.
4. Check the DVA (Peak voltage) from each blue and yellow wires to engine ground, you should read no voltage or extremely low voltage.

No fire on one cylinder:

1. Check the resistance from the blue to the yellow wire on the pack not firing, you should read approximately 300 ohms. If the resistance is not right, check the other set of wires. If the other set is ok, gently pull on the 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.
2. Check DVA (Peak voltage) from the blue to the yellow wire, you should read at least 180V.
3. Check DVA (Peak voltage) from the Blue and Yellow wires to engine ground. The readings should be approximately the same. If the readings are very different, disconnect the connector going to the pack with the low reading. If the DVA from the Blue and Yellow wires to engine ground on the other pack is now checking correctly, the pack you disconnected is likely bad. On a 2 cylinder engine, swap the Blue and 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 FIRE ON TWO CYLINDERS:

If two cylinders from the same CD unit will not fire, the problem is usually in the stator. Test per no fire any cylinder above. If the #1 and #3 cylinders are not firing, disconnect the Brown/Yellow wire from the pack #1 and retest. If you now get fire on #3, replace the #1 pack. If still no fire on #3, disconnect the Brown/Yellow wire from the pack #2 and retest. If you now get fire on #1, replace the #2 pack. If the #2 and #4 cylinders are not firing, disconnect the Brown/Blue wire from the pack #1 and retest. If you now get fire on #4, replace the #1 pack. If still no fire on #4, disconnect the Brown/Blue wire from the pack #2 and retest. If you now get fire on #2, replace the #2 pack.

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

Thank you for using CDI Electronics. 8/10/2010