



Installation and Troubleshooting Guide

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CDI P/N: 136-6029-3

Replaces P/N : 616029, F616029, 819017, 300-888795.

Warning! This product is designed for installation by a professional marine mechanic. CDI Electronics cannot be held liable for injury or damage resulting from improper installation, abuse, neglect or misuse of this product.

Installation

1. Disconnect the stator and trigger wires from the terminal strip, making sure the remaining wires on the terminal strip are labeled.
2. Remove the flywheel.
3. Remove the stator – Use extra care handling the stator, due to it being very fragile. The coating on the charge winding is very easy to break (Like an eggshell). Once the coating on the charge windings is broken, the stator will have to be replaced.
4. Disconnect the trigger linkage and remove the trigger.
5. Install the new trigger and reconnect the linkage.
6. Using extreme care, reinstall the stator.
7. Connect the trigger wires according to the numbers and wire color.
8. Connect the black wire to engine ground.
9. Reconnect the stator wires.
10. Install the flywheel according to the service manual.

Connections

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

Trigger:	Orange (2) Green (1) Orange (3) Green (4)	Pack:	Orange Green Red White/Green Stripe
Stator:	Yellow Blue	Pack:	Brown/Yellow stripe or Yellow Brown/Blue stripe or Blue
Coil #1:	White	Pack:	Orange/Blue stripe or Blue/Orange stripe
Coil #2:	White	Pack:	Blue/Red stripe or Red

Pack #2 (Firing #3 cylinder)

Trigger:	No Connection (1) No Connection (2) Red (4) White/Green Stripe (3)	Pack:	Orange Green Red (4) White/Green Stripe (3)
Stator:	Yellow Blue (must be connected to the Blue or Brown/Blue Stripe on pack 1)	Pack:	Blue or Brown/Blue Stripe
Coil #3:	White	Pack:	Blue/Red stripe

NOTE: If the stator is manufactured by CDI Electronics, the Blue (or Brown/Blue) and the Brown/Yellow stripe or Yellow stator wires will be connected to the pack firing #3 cylinder.

NOTICE: The color codes listed above may appear on the packs, stators or triggers. Some packs have solid colors and some triggers have striped wires. If you need further assistance, please call our technical support department.

Troubleshooting

No Fire on One Cylinder:

1. Check resistance of the Trigger wires as follows:

Read from	Read to	Ohms	DVA	Cylinder #
Green (Pin 1)	Orange (Pin 2)	46-56	0.5 V	1
Green (Pin 3)	Orange (Pin 4)	46-56	0.5 V	2
White/Green (Pin 3)	Red (Pin 4)	46-56	0.5 V	3

2. Check resistance of the Stator wire sets as follows:

Read from	Read to	Ohms (OEM)	CDI	DVA (minimum) connected
Yellow	Blue	680-900	280-400	150 V
Yellow	Engine ground	OPEN	OPEN	150 V
Blue	Engine ground	OPEN	OPEN	150 V

NOTE: If the voltage is correct between the wires, but exceeds 10% different to engine ground, swap the Yellow wire leads with the Blue wires to see if the problem moves. If it does, replace the stator.

3. Swap the trigger wires for the cylinder not firing with another cylinder. If the problem moves, replace the trigger. If the problem stays on the same cylinder, swap ALL connections between the two packs. If the problem moves, replace the defective pack. If the problem stays on the same cylinder, replace the ignition coil.



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