



Installation and Troubleshooting Guide

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CDI P/N: 136-4029-5

Replaces P/N's : 694029-2, 300F694029-2 and 300-F694029-2

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.

NOTICE: This trigger has been redesigned to use only six wires as opposed to the 10 wires used on the original design. This allows the use of heavier gage wire, resulting in better durability. Connect the black wire to engine ground.

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.

Troubleshooting

Note: Resistance readings need to be taken with all of the wires loose but the DVA readings should always be taken with everything except the kill wire hooked up.

No Fire at All:

Visually check the inside part of the trigger for rubbing by the flywheel magnet. The trigger is divided into five parts, therefore the trigger cannot keep all cylinders from firing unless it is totally destroyed.

No Fire or Intermittent on One Cylinder:

1. Check for broken wires and terminals, especially inside the terminals.
2. Check the flywheel for broken or loose magnets.
3. Check the resistance from each of the white/orange and white/green wires to the black wire. You should read between 48 – 52 ohms on each.
4. Check the DVA output. Readings should be at least 0.5V at cranking speed, increasing with engine RPM.

5 Cylinder Connections:

Pack #1 (Firing #1 and #2 cylinders)		Pack #2 (Firing #5 cylinder)	
Trigger: Orange (White/Orange)	Pack: White/Orange Stripe	Trigger: Orange (White/Orange)	Pack: White/Orange Stripe
Green (White/Yellow Stripe)	Pack: White/Yellow Stripe	Green (White/Yellow Stripe)	Pack: White/Yellow Stripe
Red (White/Red)	Pack: White/Red stripe	No Connection	Pack: White/Red Stripe
White/Green Stripe	Pack: White/Green Stripe	No Connection	Pack: White/Green Stripe
Stator: Yellow (Brown/Yellow Stripe)	Pack: Brown/Yellow Stripe	Stator: Yellow (Brown/Yellow Stripe)	Pack: Brown/Yellow Stripe
Blue (Brown/Blue Stripe)	Pack: Brown/Blue Stripe	Blue (must be connected to the Brown/Blue stripe on pack 1)	Pack: Brown/Blue Stripe
Coil #1: White (Orange/Blue Stripe)	Pack: Orange/Blue Stripe	Coil #5: White (Orange/Blue Stripe)	Pack: Orange/Blue Stripe
Coil #2: White (Orange/Blue Stripe)	Pack: Blue/Red stripe		
Pack #3 (Firing #3 and #4 cylinders)			
Trigger: Orange (White/Orange)	Pack: White/Orange Stripe		
Green (White/Yellow Stripe)	Pack: White/Yellow Stripe		
Red (White/Red)	Pack: White/Red stripe		
White/Green Stripe	Pack: White/Green Stripe		
Stator: Yellow (Brown/Yellow Stripe)	Pack: Brown/Yellow Stripe		
Blue (Brown/Blue Stripe)	Pack: Brown/Blue Stripe		
Coil #3: White (Orange/Blue Stripe)	Pack: Orange/Blue Stripe		
Coil #4: White (Orange/Blue Stripe)	Pack: Blue/Red stripe		

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.

Color Code Cross Reference

FUNCTION	OLD	NEW
Trigger	Orange	White/Orange Stripe
Trigger	Green	White/Yellow Stripe
Trigger	Red	White/Red Stripe
Trigger	White/Green Stripe	White/Green Stripe

Color Code Cross Reference

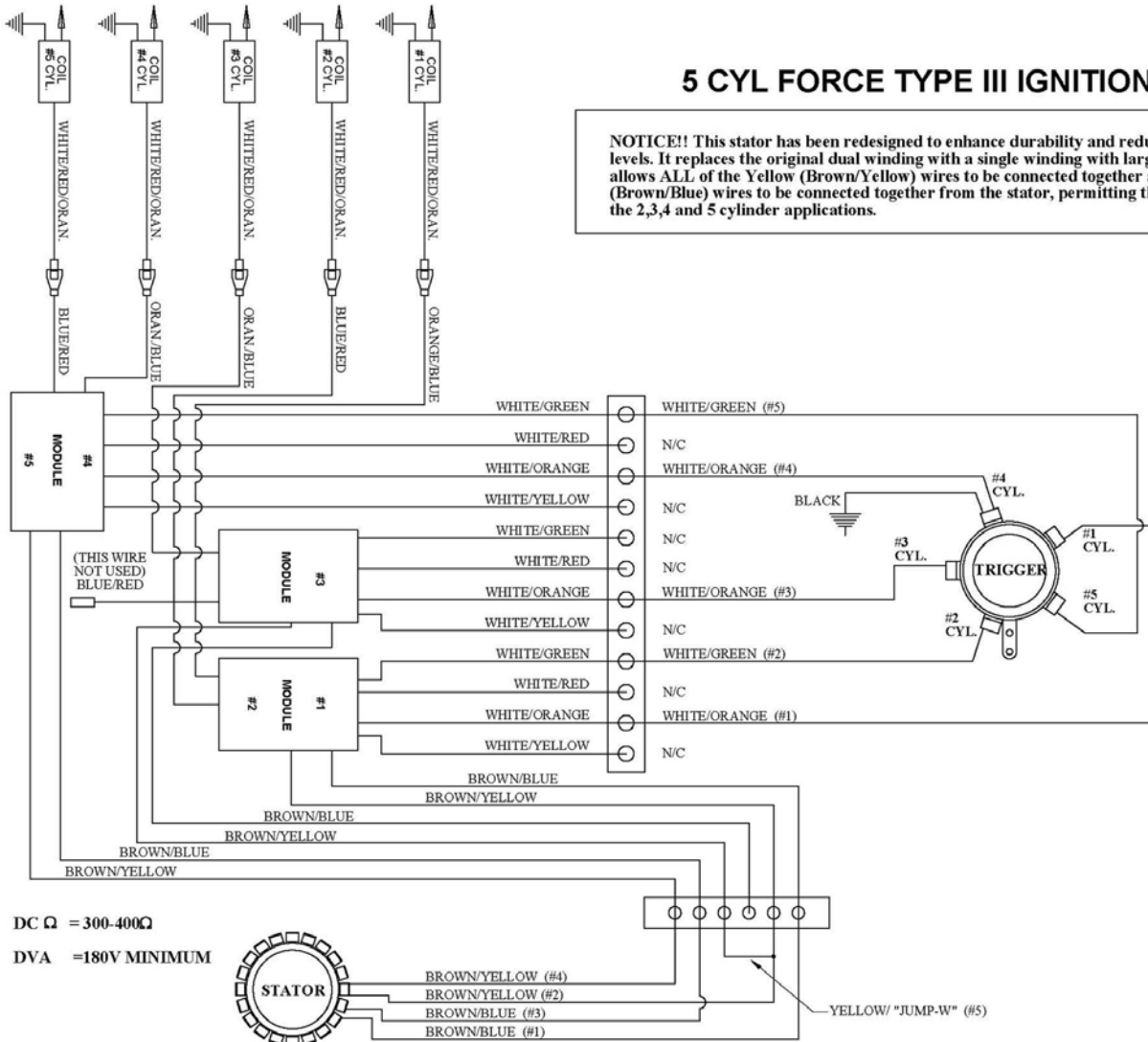
FUNCTION	OLD	NEW
Stator	Blue	Brown/Blue Stripe
Stator	Yellow	Brown/Yellow Stripe
Ignition Coil	White	Orange/Blue
Stop (Kill) Circuit	White (Brown)	Black/Yellow

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5 CYL FORCE TYPE III IGNITION SYSTEM

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 2,3,4 and 5 cylinder applications.



Thank you for using CDI Electronics

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