



VORTEX PERFORMANCE PTY LTD
HEALESVILLE, VICTORIA
AUSTRALIA

YFM660R 01 VORTEX X10 CDI INSTALLATION INSTRUCTIONS

Thankyou for purchasing the Vortex CDI. We hope you will enjoy the benefits of our product.

Step 1: Remove the Bike's seat.

Step 2: Unbolt the standard CDI mounting bracket, unplug all loom connections and remove the CDI.

Step 3: Remove the Vortex CDI from its package and slide into the Rubber Mounting Boot.

Note: The Rubber Boot has an internal lip which mates with the step in the CDI box.

Step 4: Take the metal mounting bracket supplied and slide the tab into the rubber boot.

Step 5: Bolt the mounting bracket, Rubber Boot and Vortex CDI to the original Yamaha CDI mounting bracket with two 6mm bolts and nuts. Use the slotted holes in the original bracket for bolting to.

Step 6: Plug the wire loom into the corresponding connectors in the main wiring harness.

NOTE: 4 Way Black connector is not used with the Vortex CDI. This is the Park Brake input and the Vortex CDI does not recognise this input. The Standard CDI will switch to a Rev Limited curve to prevent the engine from revving when the Park Brake is activated. The Vortex CDI allows full power to the motor when the park brake is activated.

Step 7: Mount the Handlebar Switch provided on the left side of the handlebar near the grip. This should be within reach of your thumb to switch between settings easily. It may be necessary to move other handlebar switches to achieve this. Run the 4 wire loom from the Vortex CDI under the plastic shrouds along the frame to the front of the bike and plug into the Handlebar switch. Zip tie the loom along the frame as required to keep away from any potentially damaging components and the HT Coil wires.

Step 8: Replace the seat. Installation of the Vortex CDI is now **complete!**

X10 Operation : The X10 CDI has 10 Ignition Maps programmed into it. This will allow the selection of up to 10 performance settings. To access these settings put the HANDLEBAR SWITCH in the "MAP X10" position and then using a small screwdriver select 1 – 0 on the rotary switch under the rubber cap on the VORTEX CDI BOX.

Note: HANDLEBAR SWITCH position "MAP 1" will always be Position 1 on the X10 switch and HANDLEBAR SWITCH position "MAP X10" can be any Position 1 through 0 as selected on the X10 switch on the CDI box.

Therefore you can still switch dynamically via the HANDLEBAR SWITCH from "MAP1" (map 1 only) to "MAP X10" (any map from 1 through 0)

INDEMNITY

Note: This is a performance product and is designed for competition use only. The manufacturer or their distributor accepts no responsibility for damage or injury caused by this product. Because we cannot control the application or use of this product, the buyer assumes all risks of any and all damage that may occur to their self, their machinery or third party due to the use of this product. The product is guaranteed against manufacturing defects.



X10 CDI SETTINGS

RAPTOR

YFM660_01

YFM660_02-05

X10 Map File Name: ym66x3t2.saf

Handlebar Switch Position X10 Switch Position

- "MAP 1" 1
- "MAP X10" 2
- "MAP X10" 3
- "MAP X10" 4
- "MAP X10" 5
- "MAP X10" 6
- "MAP X10" 7
- "MAP X10" 8
- "MAP X10" 9
- "MAP X10" 0

Curve File Name

- ym66x3v1.igc
- ym66x3t2.igc
- ym66x3t3.igc
- ym66x3t4.igc
- ym66x3t5.igc
- ym66x3t6.igc
- ym66x3t7.igc
- ym66x3v8.igc
- ym66x3t9.igc
- ym66x3t0.igc

Power Type

- Performance
- Traction
- Traction
- Traction
- Torque - High Comp
- Torque - High Comp
- Performance
- Performance
- Standard Map
- Standard Map

Rev Limit RPM

- 9,750
- 9,450
- 9,750
- 9,450
- 9,750
- 9,750
- 9,750
- 9,750
- 9,450
- 9,100

DATE: 13/07/2005

Change Reverse Rev Limit from 3350 to 3660RPM

Reverse Rev Limit

3,660

Standard Rev Limit

9,100