



VORTEX PERFORMANCE PTY LTD  
HEALESVILLE, VICTORIA  
AUSTRALIA

[www.vortexcdi.com](http://www.vortexcdi.com)

## PREDATOR PL500 05-06 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 LHS side cover and unbolt the standard CDI. Unplug the wiring loom from the CDI and remove the CDI. **Note:** The 16 Way plug has a locking tab on it. Push the tab in and pull gently on the connector.

**Step 2:** 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. Lubricate the inside of the rubber boot with water or powder to assist with sliding the CDI box in.

**Step 3:** Take the metal mounting bracket supplied and slide the tab (without the hole) into the rubber boot.

**Step 4:** Bolt the mounting bracket, Rubber Boot and Vortex CDI to the original CDI mounting holes on the frame so that the wires are facing to the front of the bike and the X10 Switch (under the rubber cap on the CDI) is easily accessible at the bottom facing forwards.

**Step 5:** Route the wire looms from the VORTEX X10 CDI up toward the frame and plug into the corresponding 16 way black connector in the main wiring harness. Make sure the 16 way connector housing is secured to the frame so it will not be damaged.

**Step 6:** 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 wires from the HANDLEBAR SWITCH neatly along the bars and under the shroud along the frame and plug into the corresponding 4 Way connector from the VORTEX X10 CDI box.

**Step 7:** Zip Tie and loose wiring to prevent fouling with any moving or high temperature components. 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  
PREDATOR  
PL500\_05-06**

Handlebar Switch Position	X10 Switch Position	Switch Map Name	Power Type	Rev Limit RPM
X10 Map File Name: pl50_5t1.saf				
"MAP 1"	1	pl50x5t1.igc	Performance Map	9,450
"MAP X10"	2	pl50x5t2.igc	Traction	9,450
"MAP X10"	3	pl50x5t3.igc	Traction	9,450
"MAP X10"	4	pl50x5t4.igc	Traction	9,450
"MAP X10"	5	pl50x5t5.igc	Torque Map 1	9,450
"MAP X10"	6	pl50x5t6.igc	Torque Map 2	9,450
"MAP X10"	7	pl50x5t7.igc	Torque Map 3	9,450
"MAP X10"	8	pl50x5t8.igc	Hi Comp - Std - 3Deg	9,750
"MAP X10"	9	pl50x5t9.igc	Standard Map	9,750
"MAP X10"	0	pl50x5t0.igc	Standard Map	10,100
<b>NOTE: STANDARD REV LIMIT 9,100</b>				
<b>REVISION CODE</b>	<b>REVISION DATE</b>	<b>CHANGES</b>		
RELEASE	4/02/2005			