DS650 01-06 & BAJA VORTEX X10 CDI
INSTALLATION INSTRUCTIONS

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

Step 1: Unbolt the standard CDI mounted on the LHS of the bike. Unplug all loom connections and remove the CDI. **Note:** The connectors have a locking tab inside them. Push the tab while gently pulling the connector to unplug it.

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. The long mounting tab (with the hole) should be at the top.

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 the rear of the bike and the X10 Switch (under the rubber cap on the CDI) is easily accessible at the bottom facing rearwards.

Step 5: Route the wire looms from the VORTEX X10 CDI around and above the CDI box and along the frame and plug into the corresponding connectors in the main wiring harness.

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.
Note: It may be necessary to remove the front shroud to do this.
Step 7: Zip Tie and loose wiring to prevent fouling with other 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.

VORTEX IGNITIONS

X10 CDI SETTINGS

DS650 _ 01-03	
DS650 _ 02-04 BAJA	
DS650 _ 04-06	

X10 Map File Name: ds65x1v3.saf

Handlebar Switch Position	X10 Switch Position	Switch Map Name	Power Type	Rev Limit RPM
"MAP 1"	1	ds65x1t1.igc	Performance Map	8,900
"MAP X10"	2	ds65x1t2.igc	Traction	8,350
"MAP X10"	3	ds65x1t3.igc	Traction	8,350
"MAP X10"	4	ds65x1t4.igc	Traction	8,350
"MAP X10"	5	ds65x1t5.igc	Linear Power	8,350
"MAP X10"	6	ds65x1t6.igc	Linear Power	8,350
"MAP X10"	7	ds65x1t7.igc	Performance Map	8,350
"MAP X10"	8	ds65x1t8.igc	Standard Map	8,100
"MAP X10"	9	ds65x1t9.igc	Standard Map	8,400
"MAP X10"	0	ds65x1t0.igc	Standard Map	8,600

REVISION CODE	REVISION DATE:	CHANGE DESCRIPTION:
RELEASE	13/05/2003	
B	16/06/2003	Up Rev Limit on Map1 from 8350 to 8900RPM