For Pictures on mounting see: -
www.vortexcdi.com

LTZ400 03-04 VORTEX X10 CDI   INSTALLATION INSTRUCTIONS

Step 1: Undo the 2 bolts on the standard CDI. Unplug the wiring loom from the Standard CDI and remove. **Note:** The 16 Way plug has a locking tab on it. Push the tab in and pull gently on the connector. Check that the Yellow plastic pin locater is still in the 16 way female housing.

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 into the rubber boot slot.

Step 4: Bolt the mounting bracket, Rubber Boot and Vortex CDI to the original CDI mounting holes on the frame/airbox so that the wires are facing to the front of the bike. The X10 Switch (under the rubber cap on the CDI) should be at the bottom facing forwards.
Note: A shorter 6mm bolt (12mm thread length) on the lower mounting point and a spacer (you can use a 8mm nut) on the upper mounting point will be required to mount correctly.

Step 5: Route the wire loom with the 16 Way Connector from the CDI forward and plug into the 16 Way connector from the main loom. **Make sure the 16 way connector and all wires are zip tied to the frame up high and forward of the CDI. These should have ample clearance from the chain when the suspension is fully compressed.**
Route the 4 wire loom, which comes connected to the handlebar switch forward along the frame under the plastic shroud to behind the headlight. See pictures at www.vortexcdi.com

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 and plug into the corresponding 4 Way connector from the VORTEX X10 CDI box.

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

VORTEX IGNITIONS

X10 CDI SETTINGS
SUZUKI / KAWASAKI
LTZ400 03-04 / KFX400 03-04

X10 Map File Name: lz4x3v4.saf

Handlebar Switch Position	X10 Switch Position	Switch Map Name	Power Type	Rev Limit RPM
"MAP 1"	1	lz4_3t1.igc	Performance Map +Adv	10,850
"MAP X10"	2	lz4_3t2.igc	Traction -Adv	10,850
"MAP X10"	3	lz4_3t3.igc	Traction -Adv	10,850
"MAP X10"	4	lz4_3t4.igc	Traction -Adv	10,850
"MAP X10"	5	lz4_3t5.igc	Performance for High Comp	10,850
"MAP X10"	6	lz4_3t6.igc	Performance Map +Adv	10,850
"MAP X10"	7	lz4_3t7.igc	Performance Map +Adv	10,850
"MAP X10"	8	lz4_3t8.igc	Standard Map	10,450
"MAP X10"	9	lz4_3t9.igc	Standard Map	10,650
"MAP X10"	0	lz4_3t0.igc	Standard Map	11,050
			Standard Rev Limit	8,900

DATE: 13/06/03