



VORTEX PERFORMANCE PTY LTD
HEALESVILLE, VICTORIA
AUSTRALIA

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

LTZ400 05 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 18 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 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: Use 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 18Way Connector from the CDI forward and plug into the 18 Way connector from the main loom. **Make sure the 18 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

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
 SUZUKI / KAWASAKI
 LTZ400 05 / KFX400 05

X10 Map File Name: lz4x5t1.saf				
Handlebar Switch Position	X10 Switch Position	Switch Map Name	Power Type	Rev Limit RPM
"MAP 1"	1	Map 1	Performance Map +Adv	10,850
"MAP X10"	2	Map 2	Traction -Adv	10,850
"MAP X10"	3	Map 3	Traction -Adv	10,850
"MAP X10"	4	Map 4	Traction -Adv	10,850
"MAP X10"	5	Map 5	Torque Map 1	10,850
"MAP X10"	6	Map 6	Torque Map 2	10,850
"MAP X10"	7	Map 7	Torque Map 3	10,850
"MAP X10"	8	Map 8	Torque Map 4	10,850
"MAP X10"	9	Map 9	Similar to 04 Power Map 1	10,850
"MAP X10"	0	Map 10	Standard Map	10,850
DATE: 4/02/05			Standard Rev Limit	8,900