



VORTEX PERFORMANCE PTY LTD
HEALESVILLE, VICTORIA
AUSTRALIA

TRX450R 04-05 ATV VORTEX X10 CDI INSTALLATION INSTRUCTIONS

Step 1: Remove the Bikes front black plastic cover.

Step 2: Remove the standard CDI and rubber holder from its frame mount and unplug the two black plugs from the CDI. **Note: Press the connector locking tab in before unplugging.**

Step 3: Remove the Vortex CDI from its package and slide into the Rubber Mounting Boot provided. **Note: The Rubber Boot has an internal lip which mates with the step in the CDI box.**

Step 4: Plug in the 2 Black connectors coming from the Vortex CDI into the connectors previously removed from the standard CDI in the main wiring loom.

Step 5: Bolt the mounting bracket to the 4 holes of the frame mount so as the mounting tab is facing upwards the bracket and frame mount create a rectangular cavity. Place the Vortex CDI with it's Rubber Boot into this cavity at the same time inserting the bracket's vertical mounting tab into the corresponding slot in the rubber boot. We suggest the CDI be mounted with the wires facing downwards although for testing and access to the X10 switch face upwards.

Step 6: Mount the Handlebar Switch provided on the left or right 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 and plug into the Handlebar Switch. Zip tie the loom along the handlebar.

Step 7: Replace the Bikes front plastic cover. Installation of the Vortex CDI is now **complete!**

NOTE 1: We have provided an additional kill switch connection (labelled "**Extra Kill Switch**"). This connection will stop the engines ignition when the 2 wires (BLACK / WHITE and BLACK) are connected together. Included with this additional wiring are the mating halves of the male and female bullet connectors and their respective insulating sleeves. We suggest you use a qualified auto electrician using the correct tools to fit this connection.

CAUTION: The BLACK / WHITE wire is a HIGH VOLTAGE connection from the CDI and therefore needs to be isolated correctly. This wire may cause harm to any person having direct contact with it when the engine is running.

NOTE 2: When Using the VORTEX X10 CDI the Temperature Light will come on at the same time as the fan. This is different from the standard configuration.

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
TRX450R 04-05
ATV

Handlebar Switch Position	X10 Switch Position	100% Curve File	DESCRIPTION	SUGGESTED APPLICATION	REV LIMIT
X10 Map File Name: tx45x5v2.saf					
"MAP 1"	1	tx455t1.igc	Best Overall Power Map	LOAM , SAND	11,500
"MAP X10"	2	tx454tr2.igc	Traction 1	BEGINNER	11,500
"MAP X10"	3	tx454tr3.igc	Traction 2	MUD	11,500
"MAP X10"	4	tx454tr4.igc	Smooth Power	ALL	11,500
"MAP X10"	5	tx454tr5.igc	Torque Map - High Comp Piston	SAND - HI LOAD	11,500
"MAP X10"	6	tx454t6.igc	Torque Map - High Comp Piston	LOAM => MODERATE	11,500
"MAP X10"	7	tx45c5t8.igc	VORTEX best CRF 05 Maps for CRFcams	LOAM , SAND	11,700
"MAP X10"	8	tx45c5t9.igc	Std CRF 05 Map for CRF cams	LOAM , SAND	11,500
"MAP X10"	9	tx454v1.igc	Best Power 2004	LOAM , SAND	11,500
"MAP X10"	0	tx454v95.igc	Standard Map + Rev Limit	STANDARD	11,250
				STANDARD REV LIMIT: 9,800	
				MAIN JET FOR FREE FLOWING PIPE: 180	