

Installing the Indicator Light Housing

Thank you for purchasing an indicator light housing for your VTX.

Installation of this part requires that you know how to interface with the electrical system of your bike to make the necessary connections. The scope of this work is beyond what is possible to describe in this short installation guide – please consult your factory owner’s manual for an accurate schematic diagram. The housing itself can be bolted directly to the bottom of the XR-140 tachometer/speedometer bracket, or can be custom mounted to your own bracket.

There are basically two different approaches you can take:

1. Use LED’s to illuminate the holes in the indicator housing. You will connect these LED’s to the wiring harness such that they are activated accordingly.
2. Re-use the factory incandescent lamps that are in the stock indicator light housing.

We prefer method #2 for the following reasons:

1. The factory lamps are very bright at any viewing angle.
2. You won’t need to purchase current limiting resistors and LED’s.
3. Although tedious, the necessary wiring is straightforward and easy to understand.

Follow these steps for method #2.

1. Remove the stock indicator light housing from the chrome bezel on top of the tank. Open it up so you can see the small light bulbs. The light bulbs can be removed by twisting them to release the tabs. Notice that the bulbs make electrical contact with the circuit board by touching small copper pads. Make note of what each light is used for (turn, oil pressure, etc.)
2. Relocate the small lamps to the new indicator housing as shown. You must make sure none of the electrical connections inside the new housing are shorted to ground (the housing body will be at ground). Use some construction paper to create a shield around the sides of the lights and use some electrical tap on the inside of the back cover.
3. Use some multi-conductor cable (the cord from an old mouse or USB cable works great) to “jump” the light bulbs back to the copper pads on the factory indicator housing. You need a pair of wires for each bulb. When you’re done, the light bulbs should be reconnected to the factory indicator light circuit board just as they were before, but now with a section of wire in between (and presumably, that wire has been routed through the bike).
4. If you flushed the top of your fuel tank, you can re-mount the factory indicator housing underneath the fuel tank hidden from view. Everything should continue to function as before with the only difference being that the light bulbs are now in the new housing.



Happy riding, hope to see you on the road someday. -- Paul

Xtreme Revolution

10625-D Scripps Ranch Blvd. • San Diego, CA 92131 • (858) 566-5788 • www.xtremerevolution.com

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