

Shortening The Volusia's Turn Signals

Start by removing the turn signals



Next, remove the screw from the back of the turn signal



To get the spacer off, you must remove the connector. You can do this by cutting it off, or if you're patient, you can probe on the wire end of the connector with a paperclip. There is a barb you can press to release the wire. Personally, I've never gotten it that way.



Next, slide off the spacer.



Remove the O-ring from the spacer and set it to the side. You'll reuse this to give the assembly a clean look when done.



Slide off the chrome cover piece.



Now, measure back 3/8" from the metal tip side, and cut the rubber around the metal tab. You'll be just to the right of the little bumps.

I found my Dremel is good for this and the following steps. You could also use a hacksaw to cut this rubber and tab off.

KEEP IN MIND:
Rubber smokes when cut or ground at high speed, and makes a powder like coating. Don't do this inside!



Peel off the rubber piece you just cut to expose the metal tab.

Cut off the tab, flush with the remaining spacer.



Now, cut off the rubber above the tab, back to the raised "lip" to form a flat side. This is where the screw will go after you're done. The flat side fits into the signal..



Here's the piece with the rubber removed to form the flat side.



Now, use your Dremel with a grinding stone on it, or a rasp, to remove some rubber from all around the edges of the piece. Go carefully, so you don't scratch up the raised lip or take too off.

You want to remove some, then test fit it until you have a snug fit that when fully inserted will go in almost to the raised lip.



Here's the piece after grinding some rubber off, back to the raised lip.



Another shot of the ground down piece.



Test fit your piece often, so you don't remove too much and make a loose fit. The plastic sheath on the wires has a habit of wiggling down, so you'll have to work it back towards the signal.

Once fitted, place the o-ring around the base by the raised lip. Feed the wires back through the piece and insert the piece fully.

I found that by wiggling it a little, you get it in as far and as snug as it can go.



Pick a drill bit a little smaller than the Set screw, and carefully drill a pilot hole for the screw (drill slowly, until you feel the bit just go through, there's wires in there you don't want to chew up).

The idea here is to give the screw enough of a hole to bite into, and seat itself in when you screw it in.

Once drilled, screw in the Set screw.



Here's the finished signal.



Here's a shot of them, one shortened.

Now do the other one!



Here's both finished.

Now reattach the connectors, either by soldering or placing the metal receiver back into the connector body. If you solder, make sure to use a heat shrink shroud over both wires to prevent grounding or shorting out.



Now mount the signals back onto the bike.



They look a lot cleaner once they're shortened.

