



## ***!! READ INSTRUCTIONS BEFORE CUTTING ANY WIRES !!***

The OTB-POL-GRZ-14-20 is intended to repair and upgrade broken gear position sensor wires at the connector. The problem with the current Polaris wiring is that it is too short and vibration takes its toll on the wiring. This combination causes the wires to fail where they enter the connector after a very short period of time. The product you are installing not only lengthens the wire but the wires used in this product are vibration resistant wires that have more strands and a thick insulation to help support the wire.

### ***Tools Required:***

1. Wire cutters
2. Wire strippers
3. 18-22 AWG crimping pliers
4. Heat gun or hair dryer
5. Common Hand Tools

### ***Installation Instructions:***

1. Disassemble vehicle to gain access to the vehicle speed sensor connector. Consult a service manual for your vehicle if you are unsure of how to perform this step.
2. Unplug the speed sensor connector from the sensor by pulling back on the connector tab and pulling on the connector.
3. The back side of the 2 pin connector you disconnected in step 2 has small position letters A-B on the back of the wires where they attach to the connector. Write down the wire colors for each letter. **This is a very crucial step.** Failure to do this will result in you having to find a service manual to determine which wire colors go to which position.

Position A Wire Color is \_\_\_\_\_

Position B Wire Color is \_\_\_\_\_

4. Now that you have written down all the existing wire colors. Take the wire cutters and cut each wire from the connector.
5. Remove approximately one quarter inch of insulation from each wire.

6. Connect each wire from the chart in step 3 one at a time. Use the 18-22 AWG crimping pliers and crimp each wire.
  - a. Position A wire color you wrote down goes to RED.
  - b. Position B wire color you wrote down goes to BLACK.
7. Take the Heat gun or hair dryer and heat up the 2 connections that you made. The appropriate amount of heat has been applied when you see the glue coming out the back of each splice. Your splices should look like the wires that are already attached to the harness.
8. Slide the black heat shrink tubing over the entire repair and use the heat gun to shrink the tubing over the whole splice.
9. Plug in the new connector and make sure the wire harness does not have any sharp kinks or bends and is out of the way of moving and hot components such as the exhaust and drive shafts. Also ensure that the wire has room to move and is not pulled tight.
10. Reassemble Vehicle.
11. Start vehicle and verify operation and drivability.
12. Enjoy not having to worry about repairing this connection again.

***Disclaimer:***

By installing this product you agree that OTB Powersports products make no representations or warranties, either express or implied, of any kind with respect to the product sold. You agree that in no event shall OTB Powersports be liable for indirect, consequential, or punitive damages related to the installation or use of this product. Please do yourself a favor, if you don't know how to perform basic wiring repair or don't own the tools, get the tools and or have a qualified person install the product for you.