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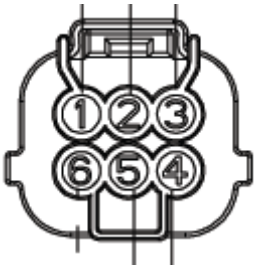
## *!! READ INSTRUCTIONS BEFORE CUTTING ANY WIRES !!*

The OTB-POL-IAC-09-15 is intended to repair and upgrade the common problem of broken idle air control motor wires (IAC) wires on 2009 and up Polaris 550, 850, 900, and 1000 cc off highway vehicles. The problem with the current Polaris wiring is that it is too short and the mounting location of the sensor is in a very bad location where vibration is prevalent. 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

### *Installation Instructions:*

1. Locate the idle air control motor. You may need a service manual if you do not know the location of the motor.
2. Unplug connector from the idle air control motor.
3. The 550cc machines use all 6 wires of the idle air control motor. The 850, 900, and 1000 cc machines only use 4 wires.
4. IF YOUR MACHINE ONLY HAS 4 WIRES THE BLACK AND BLUE WIRES ON THE REPAIR HARNESS WILL NOT BE CONNECTED.
5. 


6. Write down the factory wire colors for each position number on the connector. **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 1 Wire Color is _____

Position 2 Wire Color is _____

Position 3 Wire Color is _____

Position 4 Wire Color is _____

Position 5 Wire Color is _____

Position 6 Wire Color is _____

6. Now that you have written down all the existing wire colors. Take the wire cutters and cut each wire from the connector.
7. Remove approx one quarter inch of insulation from each wire.
8. Determine which version of cable that you are installing.
9. Connect each wire from the chart in step 6 one at a time. Use the 18-22 AWG crimping pliers and crimp each wire.
    a. Position 1 wire color you wrote down goes to RED.
    b. Position 2 wire color you wrote down goes to BLACK.
    c. Position 3 wire color you wrote down goes to YELLOW.
    d. Position 4 wire color you wrote down goes to GREEN.
    e. Position 5 wire color you wrote down goes to BLUE.
    f. Position 6 wire color you wrote down goes to WHITE.

10. Take the Heat gun or hair dryer and heat up the 4 or 6 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 repair should look like the wires that are already attached.
11. Slide the black heat shrink tubing over the entire repair and use the heat gun to shrink the tubing over the whole splice.
12. Route the new wire and connector up to the idle air control motor and plug it in. Make sure the wire harness does not have any sharp kinks or bends and is out of the way from hot components such as the exhaust. Also ensure that the wire has room to move and is not pulled tight.
13. Start vehicle and verify operation and drivability.
14. Enjoy not having to worry about repairing this connection again.

## *Disclaimer:*