



BoonDocker TPS Wire Installation Instructions

Kit Contents:

Quality check by:

___1 TPS Wire

___1 Crimp/Heat-Shrink Connector – blue

___3 Zip ties

___1 Instructions

Installation:

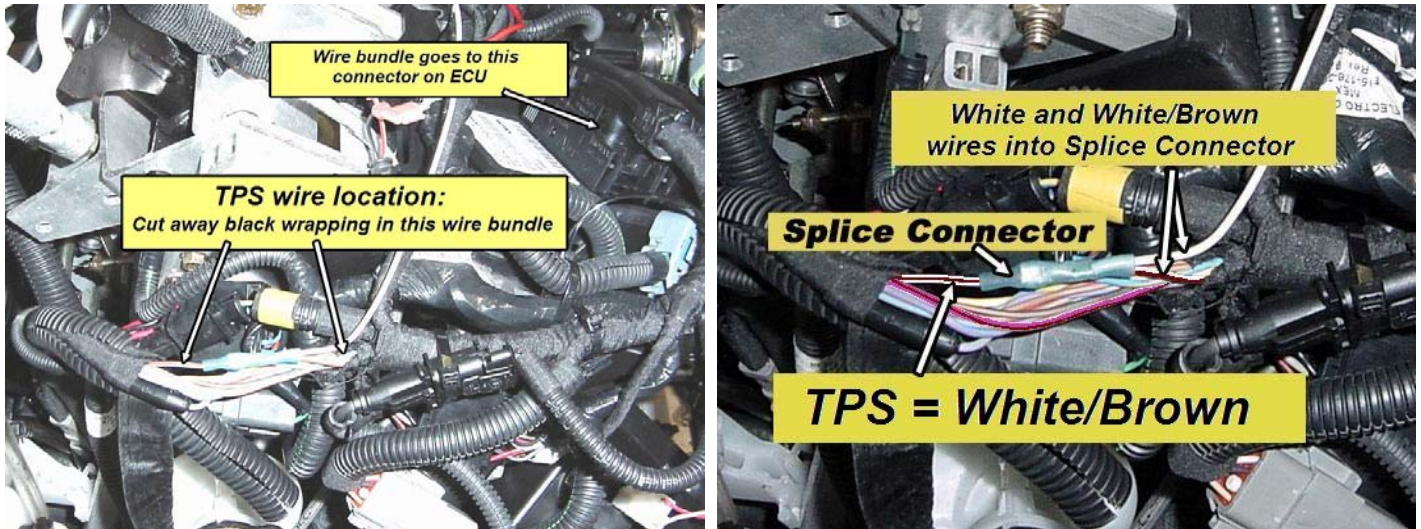
The N2O harness connects the Control Box to the nitrous solenoid and pressure sensor. Install the provided white TPS wire as follows:

1. Disconnect the N2O harness from the Control Box if it is not already disconnected.
2. For newer 07 Kits with 10-pin connector: On the N2O harness 10-pin connector, push out the plug that is in the corner (next to the brown and tan wire, position 6). An unbent paperclip can be used to push this rubber plug out the back side of the connector. Insert the provided White TPS wire into this location until it clicks. When properly seated, the rubber seal should be flush to rear of connector housing. Tug on this wire to be sure it is properly engaged.
3. For earlier Kits with 12-pin connector: On the N2O harness 12-pin connector, insert the provided White TPS wire into the position next to the purple wire (position 10). This wire position will correspond to the white wire on the control box side when the control box is plugged into the N2O connector. Push in the White TPS wire terminal until it clicks. Tug on this wire to be sure it is properly engaged.
4. Find the TPS Signal wire on your sled according to the pictures / descriptions on the following pages. If your sled is not shown in the photographs below, use your sled's wiring schematic to identify which wire is the TPS signal wire. (One TPS wire is connected to ground, one is at a constant five volts, and one has a signal that varies with throttle position - this is the wire to be used.) Route the provided white TPS Wire to the point you have selected to splice in to the sled's TPS Wire. Take care to avoid moving parts and hot areas such as exhaust components. Use zip ties to secure TPS Wire away from any moving or hot components.
5. Note on using the supplied Crimp/Heat-shrink connector:
The supplied Crimp/Heat-Shrink Connector, if installed correctly, will provide a reliable connection. After the wires are cut and the insulation is stripped, the connector is crimped onto the wires. Be sure to use the correct crimping tool. **DO NOT USE A CRIMPER THAT PUNCHES INTO THE INSULATION.** The connector is then sealed by the heat-shrinking process. Adhesive inside the connector will melt and flow around the wires which will seal out moisture.
6. Use the Crimp/ Heat-Shrink Connector to attach Boondocker TPS Wire to the sled's TPS signal wire. Cut the TPS signal wire, leaving enough length on both ends to work with. Strip the insulation about 1/4" from the end of each wire. Twist one of the cut wires and the white TPS wire together, insert into one end of the connector, and crimp. Insert the other cut wire into the other end of the connector and crimp. (Two wires will go into one end of the splice connector, one wire into the other end, as shown in the SkiDoo photo on the next page).
7. After crimping, pull on the wires to be sure they are securely crimped. Then apply heat to shrink the connector's insulation tightly around the wires.
8. First test your installation by seeing if the sled runs. Then test to see that you have connected to the TPS signal wire. Test your TPS signal using the Third STATS screen on the Control Box (N2O will be displayed in upper left corner and MxTP will be displayed). After starting, go to this screen and select Y to clear the current values. Note the MxTP number, depress the throttle slightly and verify that the MxTP number increases.

Yamaha Apex, Phazer, and Raptor – Splice into the yellow wire from the TPS sensor connector.

Suzuki LTR 450 – Splice into the yellow wire from the TPS sensor connector.

SkiDoo (2005-2007) – Splice into the white wire with a brown stripe.

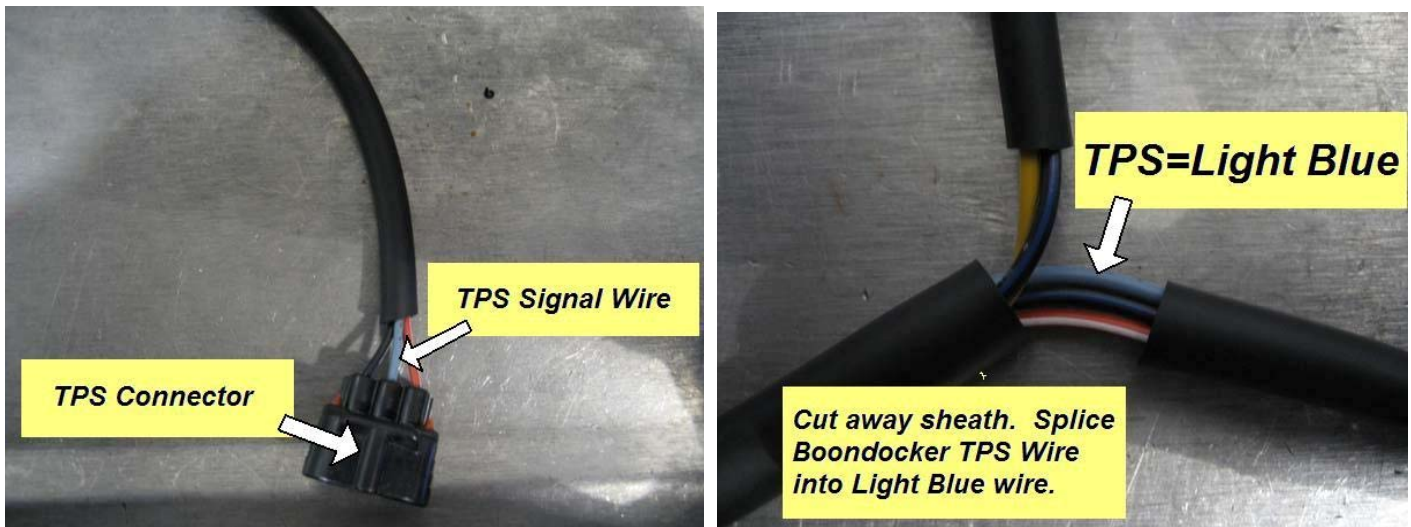


SkiDoo has two identical connectors to the ECU. The one shown in the left-hand photo above is the connector that is closer to the rear of the sled.

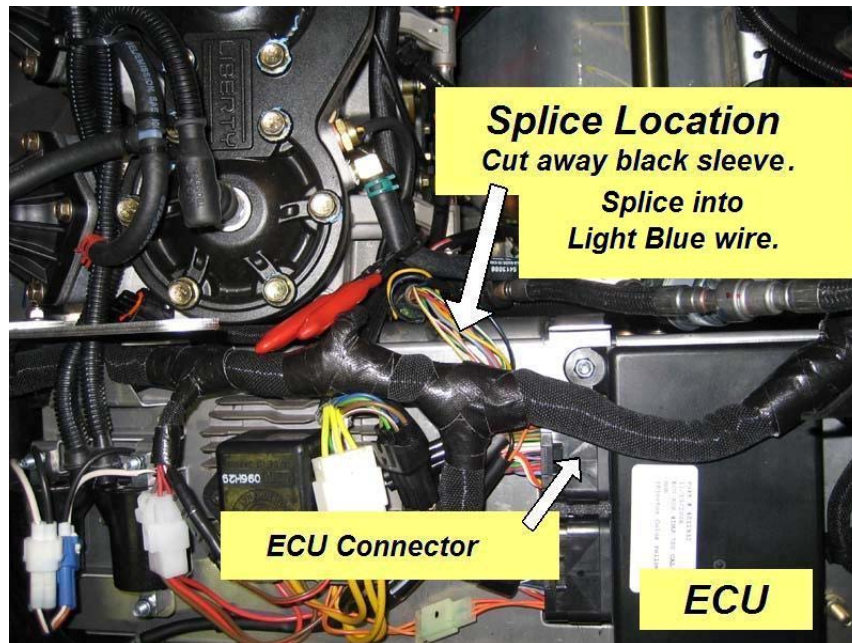
Arctic Cat (2003-2007) – Splice into the white wire with a green stripe.



Polaris 900 (2005-2007) – Splice into the light blue wire from TPS sensor.



Polaris Dragon (2007) – Splice into the **light blue wire** in wire bundle from smaller (26-pin) ECU connector.



Warranty, Terms & Conditions:

Returned Goods – No merchandise will be accepted without prior approval. A RMA number (Return Merchandise Authorization) provided by Boondocker is required before a return will be accepted. A 20% handling and restocking charge will be applied to returned merchandise. No unauthorized returns will be accepted.

Limited Warranty – Boondocker warrants its product to the original purchaser against workmanship defects for a period of 90 days, commencing from the date of product delivery to the Consumer.

Maximum Liability – The maximum liability of Boondocker in connection with this warranty shall not under any circumstances exceed the price of the product claimed to be defective.



TPS Wire Kit