

## 2016 PHANTOM TETH-AIR INSTALL, POLARIS AXYS

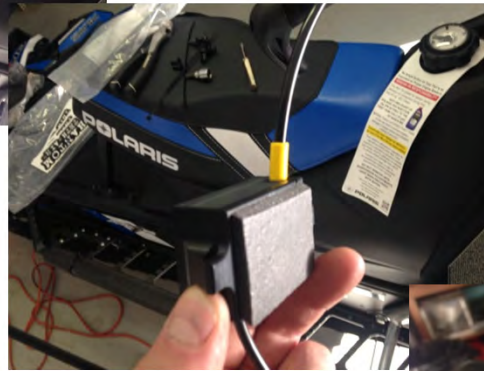


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Locate the Upper Control Module (UCM)



Apply foam tape to back.

Position central to the throttle block.



Secure with medium wire ties, ensure that there is NO interference with flipper operation. Be careful not to synch wires under ties.



Position proximity sensor cable above hand.

Warming the sensor cable with a blow-dryer is useful for molding to desired shape.



Feed cable down to engine compartment, secure with wire ties, leave some slack.





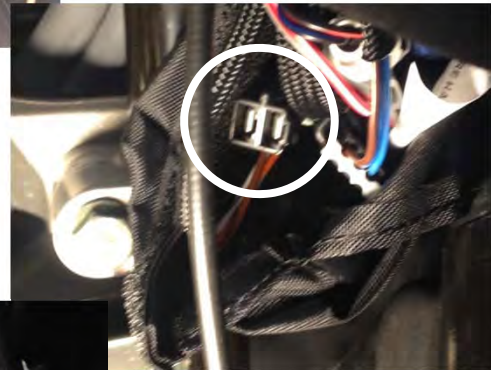


Remove the side panels, hood and counsel.



The AXYS has 2 nylon bags to protect connectors. The bag behind the steering support contains the double blade tether plug.

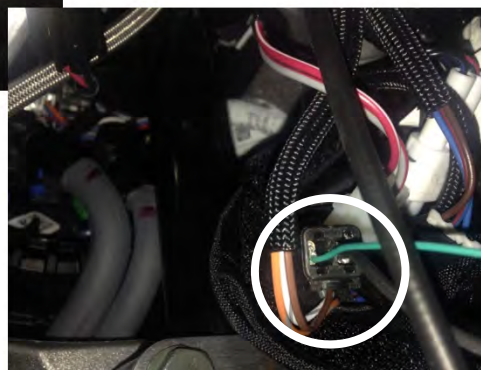
Locate the factory tether connector now.



Locate the Lower Control Module LCM)



With wire ties, hang the (LCM) from the wiring harness that is strapped under the aluminum structure



Connect the Black and Green Phantom wires to the factory double blade tether plug. 11 inch wires are ideal. Polarity is not important.

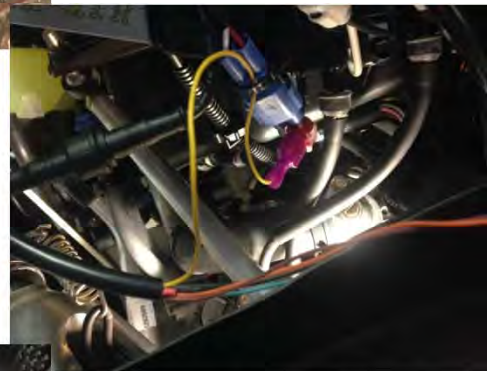


Locate the White insulation on either ignition coil. Cut back the insulation enough to expose the second layer of insulation of the internal wire.



Carefully clip the T-Tap connector on to the wire, squeeze the connector with plyers to close.

Crimp a male blade connector on the Yellow wire (TACH), ideal wire length is 6 inches. Plug into the T-Tap connector. Use wire ties to provide strain relief.



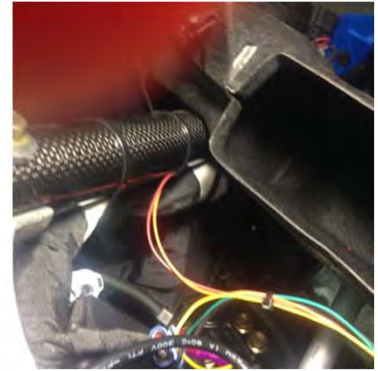
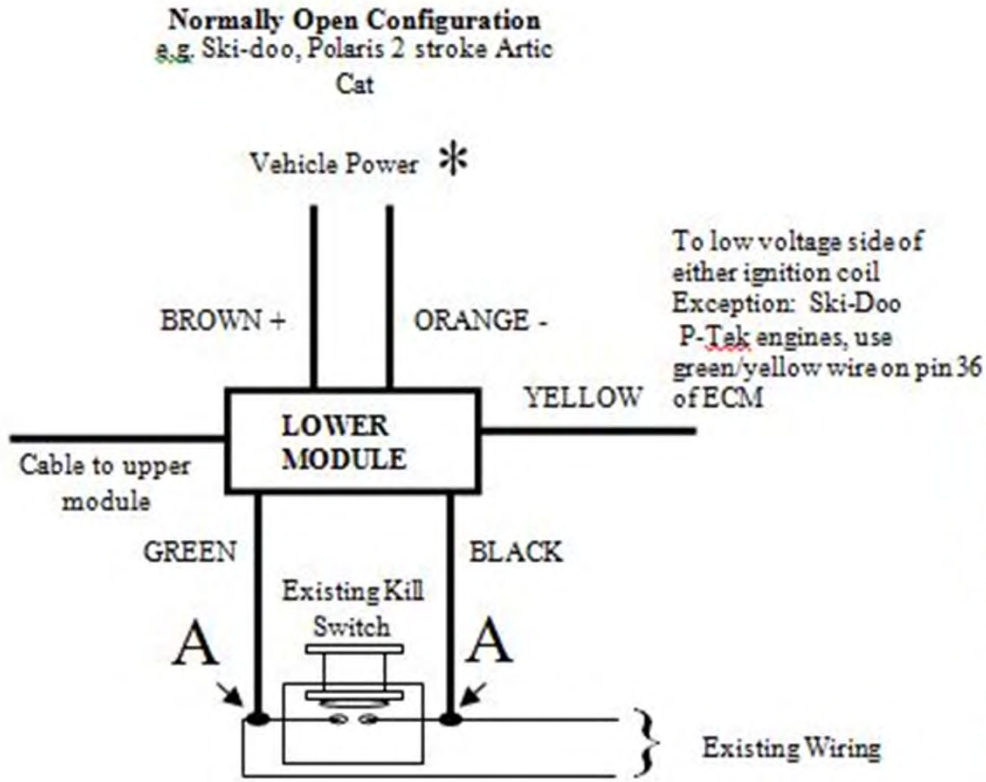
Connect the (UCM) to the (LCM) The connector is indexed so do not force or overtighten. Also check to make sure the large connector is also gently tightened.



Locate the DC Power plug above the clutch guard. Use the matching connector to connect the Phantom Brown to the sleds Red/White wire (+) and the Orange to the sleds Brown (Ground) Use wires at full length. Secure with ties.



Note: The Red Phantom wire is not used for Normally Open installations. Cut and tape off the Red wire to stop it from accidentally grounding. See typical wiring diagram below. The Phantom Green and Black wires (A-A) can also be connected to the factory tether plug if available.



Secure all loose wires with wire ties. Avoid hot surfaces or sharp corners. There is an alternate power plug located behind the headlight if required. It is a male/female bullet connector.



Replace counsel, hood and side panels.



Don't forget any plugs , pins or bolts.



Apply the supplied decal and set up your Phantom as per the manual. Enjoy safe riding.

# Phantom Teth-Air

Start-up,  
Auto  
Calibration



## Quick Programming Guide

### User Options:

Press TACH with LED red (hand not present) to set current RPM x 1.8.  
Press TACH with LED green (hand present) to set current RPM.  
Press TACH with no tachometer input and LED will flash blue.

Press R/O to flash out current Roll-Over delay setting (0.5 -3 seconds).  
Each violet flash = button pressed (0-5). Wait for solid violet LED for next entry. Press 0-5 to enter desired R/O delay or press R/O to exit saving last setting or press POWER I/O to disable this sensor. (see manual)  
Unit returns to Run Mode.

0 to 5 or R/O or POWER I/O

Press PROX to flash out current PROX delay setting (0.5-3 seconds).  
Each yellow flash = button pressed (0-5). Wait for solid yellow LED for next entry. Press 0-5 to enter desired proximity delay or press PROX to exit and save last Setting or press POWER I/O to disable this sensor. (see manual)  
Unit returns to Run Mode.

0 to 5 or PROX or POWER I/O

Press POWER I/O to put Phantom into Sleep Mode. Red LED will flash periodically and unit will not function.  
This button can be held during engine start to adjust incorrect settings that can cause immediate engine shut down. (see manual)

In Sleep Mode: The following sub-menu settings /options are available.

- TACH Power Up Delay - Press TACH, LED glows solid blue. Enter number 0-5 to select (100 - 500 ms) . Factory setting is 0. This mode is only used to prevent shutdowns during engine starting. (unstable / noisy power at startup)  
Unit returns to Run Mode.
- or
- PROX Relay Active Option - Press PROX , LED glows White (may appear Pink). Press 0 or 1. 0 = Demo Mode. (Engine kill relay deactivated).  
1 = Normal Run Mode. (With engine kill relay active).  
Unit returns to Run Mode.
- or
- POWER I/O Exit - Press POWER I/O. Unit returns to Run Mode, and returns the unit to the last saved user settings.
- or
- 0 High Value Escape Mode - TACH and PROX will temporarily be set to high factory values to over come stalling on start, due to accidental low TACH set-point. Unit returns to Run Mode. Followed by: PROX , R/O or TACH allows new setting to be entered . (see manual)

