

PHANTOM TETH-AIRTM

2014 Arctic Cat M-8 Install



1. Using two-sided adhesive foam tape; stick the Upper Control Unit to the front of the throttle block as shown.

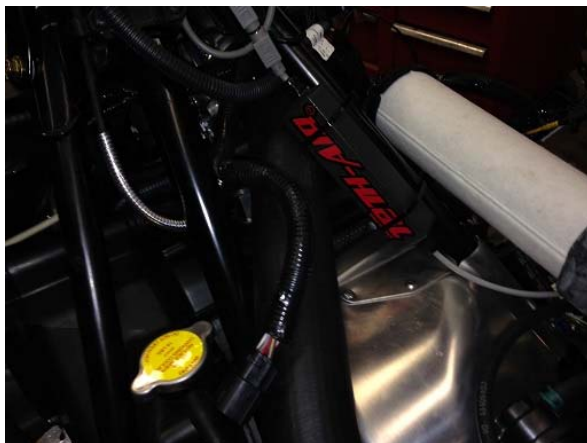


2. Use the long plastic cable ties to secure through the end holes and around the handle bars. Avoid having any wires directly under the ties or they could break as the throttle block is rotated. **MAKE SURE THAT THE WIRE TIES DO NOT INTERFERE WITH THE THROTTLE MOVEMENT.**

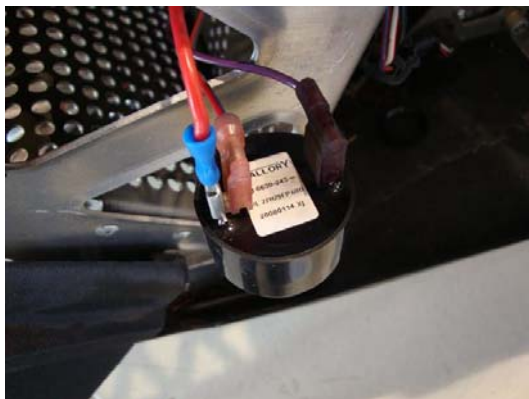
3. Use the smaller wire ties to attach the grey control cable to the handle bar but leave some slack on the top end to allow for movement.



4. Remove the hood for the engine compartment.
5. The lower circuit is to be mounted under the hood and suspended from the over-structure with 2 cable ties. Feed the wires up to near the steering column. Connect the wires as per the wiring diagram. Keep all wires away from the hot exhaust components and moving parts.
Plug the Lower Control Unit into the cable from the Upper Control Unit and use the shrink tubing provided over the connection, warm and shrink with a heat gun to protect the connection from moisture. Be careful not to melt the cable or other plastic components. **WATER WILL DAMAGE THIS CONNECTOR IF THE SHRINK TUBING IS NOT PROPERLY APPLIED AND THIS WILL VOID WARRANTY**



6. The M/F bullet connector next to the chain case, if available, is a good location to connect for power/ground. If unavailable the back-up beeper has positive voltage present with the engine running and this power can be shared for the Phantom Teth-Air. Note, the ground is switched on the beeper and therefore is not usable. The Red Phantom wire must be connected to a 12 volt DC supply and the Black and Green Phantom wires will need to be connected to a reliable chassis ground. Refer to the wiring diagram.



7. The easiest connections for a tether to the existing wiring are as follows.

- Violet/Red wire from engine bay cable that runs to the council. Grounding of this connection will kill the motor. (pin 17 on council plug)

Connect the Brown Phantom wire to this Violet/Red wire with the blade connector and Scotch-Lok connector provided. Refer to the wiring diagram.



The following photo is for reference only to show an example of the Scotch-Lok connector.



8. For the tachometer wire connection use the Phantom Blue wire and connect it to the White coil wire, it is expected that the exhaust expansion chamber will be removed for this step. Use the blade and Scotch-Lok connector provided. Refer to wiring diagram.



The White coil wire shown in the above photo. When two coils are used, only one connection to either coil is required.



Remote Control.

Keep the Remote Control in a warm dry place. The shipping bag can be left in place to help protect it from moisture. The Remote Control will work through this protective bag.

See the Phantom Teth-Air Owners Manual for additional installation, safety, and operation information.

CAUTION

The Phantom Teth-Air is a safety tool to make your power sport more enjoyable and safer. Source Innovations Ltd. strongly recommends that you take ample time to familiarize yourself with the functions and features so that you can set up the product to best suite your riding style. Failure to do so may cause engine shut downs and Source Innovations Ltd. is not responsible for any damages caused by loss of control that could result. In addition improper setting could also cause the unit not to shut down the engine when it should.

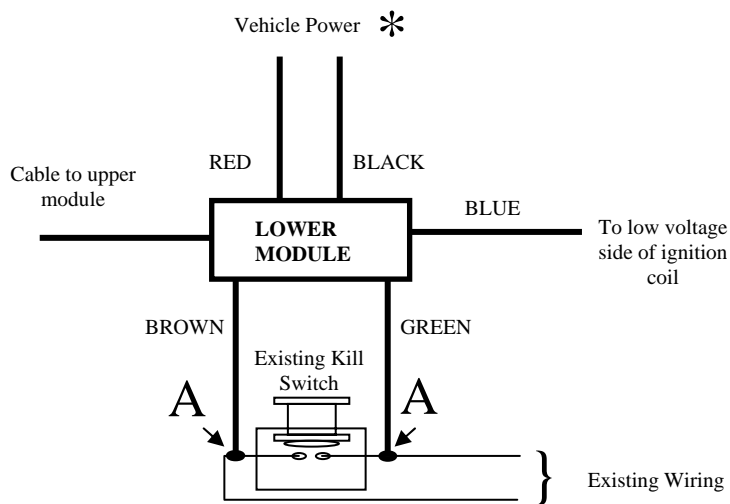


PATENT PROTECTION

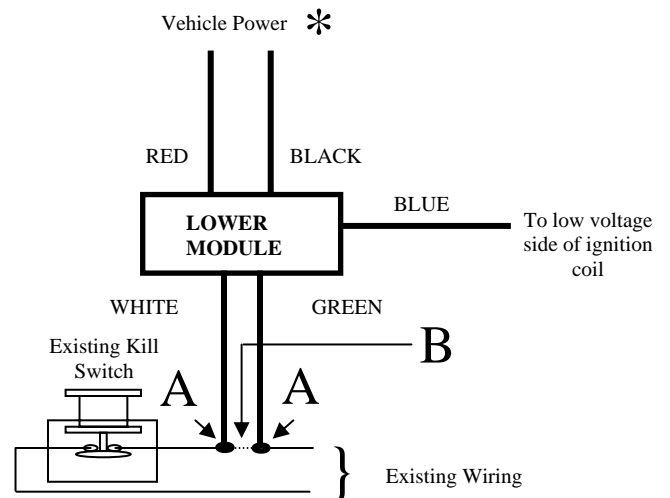
This device is protected under the following patent(s): **Patent License US 7,034,696 B2**

WIRING DIAGRAM

Normally Open Configuration
e.g. Ski-doo, Polaris, new Artic Cat



Normally Closed Configuration
e.g. old Arctic Cat & Battery Ignition



POWER (12V to 18V AC/DC)

RED
BLACK

RELAY

WHITE (normally closed)
GREEN (common)
BROWN (normally open)

TACHOMETER INPUT

BLUE

NOTES:

A: INSTALLER CONNECTIONS

B: CUT EXISTING WIRE

***:** THE POWER SUPPLY LOCATION MUST NOT SUPPLY POWER WHEN THE ENGINE IS OFF FOR VEHICLES WITHOUT IGNITION SWITCHES (**SEE INSTALLATION**). CONNECT **RED** TO POSITIVE AND **BLACK** TO NEGATIVE OF VEHICLES POWER. YOU MAY ALSO CONNECT **RED** AND **BLACK** ACROSS THE VEHICLES AC POWER. DO NOT CONNECT **RED** AND **BLACK** TOGETHER.

