

ATV Thumb Warmer Installation Instructions

For the following kits: 210008RR, ATV-21000-80RR

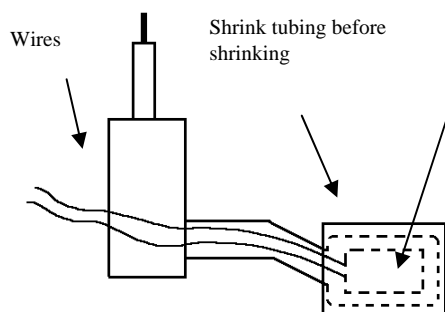
Application: Honda, Polaris (99 and older), Kawasaki and Yamaha

- **Do not cut or needlessly flex the warmer**
- **Please read all instructions before beginning installation**

Throttle Preparation/Warmer Attachment

Clean the throttle of any dirt, grease or oil. Do not cut away the existing rubber covering. Peel the release paper from the thumb warmer and press on throttle front where thumb rests. (Figure 1)

Slide the shrink tubing over the end of throttle and position such that it will cover the thumb warmer (Figure 1). The shrink tubing has a 3 to 1 shrink ratio in diameter and up to 15% longitudinally. Use a heat gun, lighter or match to heat the shrink tubing. If you use a lighter or match, remove the throttle to allow rotation for more even heating. Be careful not to overheat in one area as this can split or burn the shrink tubing. Reinstall throttle if necessary.



1 Throttle View

Figure

Hi/Low Switch Installation

Choose a location for the switch, which is convenient and has sufficient rear clearance for the electrical connections and is within 18" of a voltage-controlled wire which does not exceed 14.4 volts. Drill a 13/16" hole and install the switch by pushing in place. Before installing bring wires up through hole and connect to proper terminals and then push into hole with proper orientation to read markings.

Wire Routing and Connections

Route the jacketed wires along the handlebar to switch area and a Ground. Secure with supplied tie wraps, electrical tape, or both. Cut and strip to proper length, or twist tie excess wire together.

WARNING: Lead wire slack in the area of the throttle must be neither excessive nor tight. Ensure no binding occurs when the throttle is open fully.

Soldering connections is the most durable method, but the following will provide years of service. Attach a 1/4" female slip-on connector and #10 ring terminal to thumb warmer leads as shown in Figure 2. (A crimping tool works best, but a Vise Grips or pliers will work.)

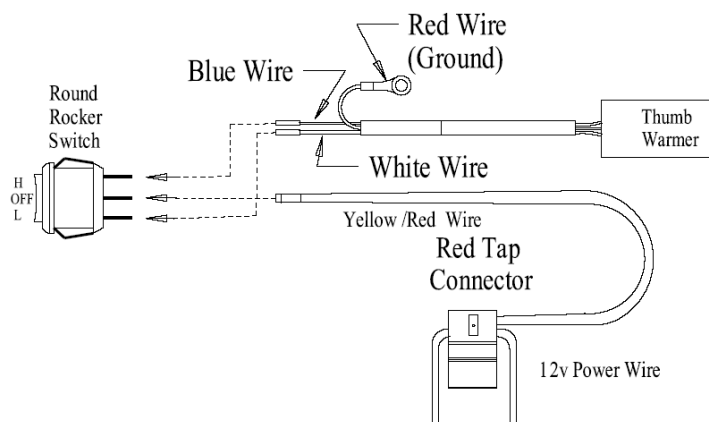


Figure 2. Switch Connections

Securing A Power Source

Option A

Install the included piggy back connector to the bare end of the red power cable supplied in the kit. Unplug the existing power wire from the constant power side of the existing switch. Plug-in the piggy back terminal to this switch and reinstall the original wire onto the piggy back tab.

Option B

Locate a power wire (usually yellow) leading to a headlight, taillight, or dash light (Figure 2). Using the red tap connector, place this power wire into the continuous channel and then insert the yellow/red wire, (do not strip insulation) completely to stop. Make the connection by squeezing (w/pliers) the metal contact flush with the top of the connector. Close the hinge cover until latched. Complete connections of the thumb warmer wires to switch and a good ground.

Notes:

1. If the thumb warmer does not get hot, check electrical connections.
2. CAUTION: SINCE THE THUMB DOES NOT DETECT HEAT WELL, USE CAUTION WHEN OPERATING THE THUMB WARMER OVER EXTENDED PERIODS.
3. Heater resistance should be 35 +/- 4 ohms on high and 70 +/- 7 ohms on low. For added security, a 7-amp fuse (not supplied) could be inserted between the tap connector and the switch.

For technical information regarding this product, please call 763-571-9193 ext 106.

