



## STONEWALL LED Handguard Instructions Part # H5001 And Optional plug and play wire harnesses

### Mounting the Handguards

You will need the parts pictured below:

HARDWARE INCLUDED:		TOOLS REQUIRED:
<b>Qty</b>	<b>Description</b>	4mm Hex Key Wrench
2	Handguard (pair)	
2	RSI LED Front plate	
8	Pan Head Screws	
8	Lock Nuts	
2	U-shaped Mount Brackets	



Use tapered mounts to set distance of guard to handlebar

Requires an RSI Racing mount kit: H4450 or H4452 or H4454

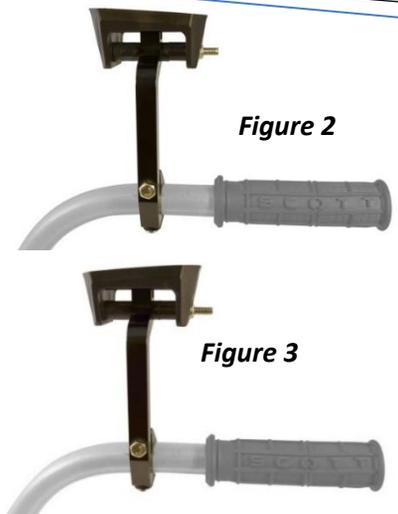
**STEP 1:** Follow the instructions for the RSI mount kit you purchased until step 6 for the H4450 and H4452 and Step 4 for the H4454 mount kit.

**STEP 2:** Determine how you would like the guard mounted. **Figure 2** will bring the guard closer to the bars and **Figure 3** will bring the guard further away.

**STEP 3:** Insert 4 of the lock nuts into the mounting bracket.

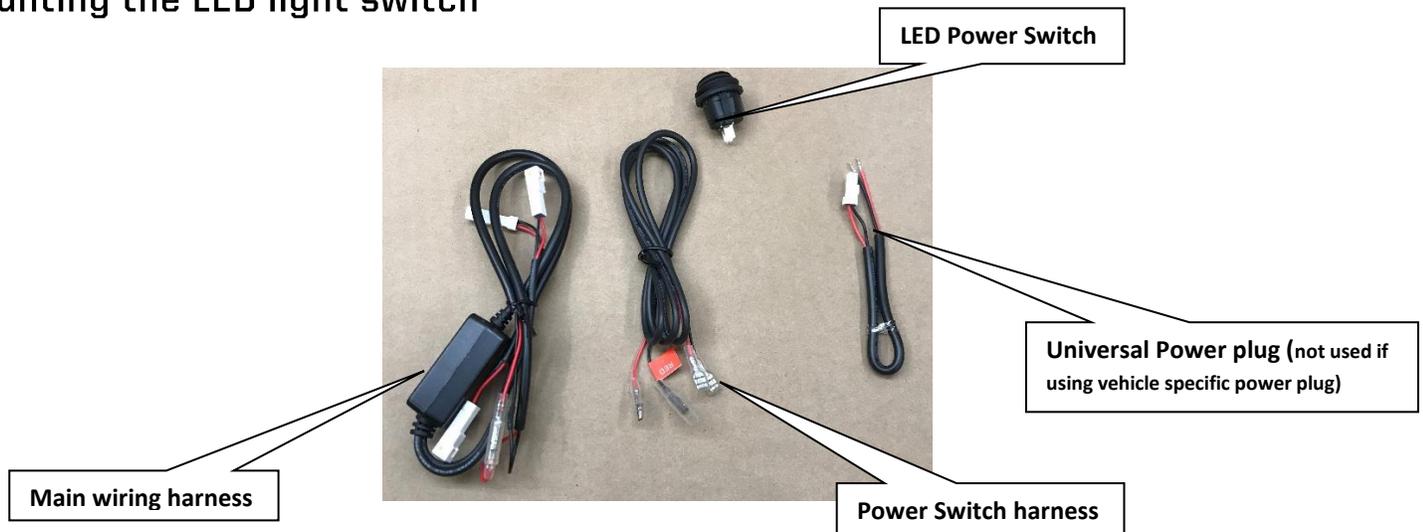
**STEP 4:** Slide the pan head screws through the front of the Stonewall handguard through the mount bracket into the lock nuts. Tighten with a 4mm hex key wrench. Repeat step 4 for both sides.

**STEP 5:** The mount is installed onto the bracket as shown in the photos below. Hold the handguard up to the mounting arm and determine the optimal location. The optimal location is a personal preference. For the best hand coverage, the end of the handguard should extend beyond the handle bar about 1". Once you have determined the location of the mounting bracket within the handguard mounting tabs, slide the M6 x 75mm bolt through one mounting tab and use the available large and small spacers to position the bracket in the desired location (All spacers need to be used). There are 7 possible positions available.

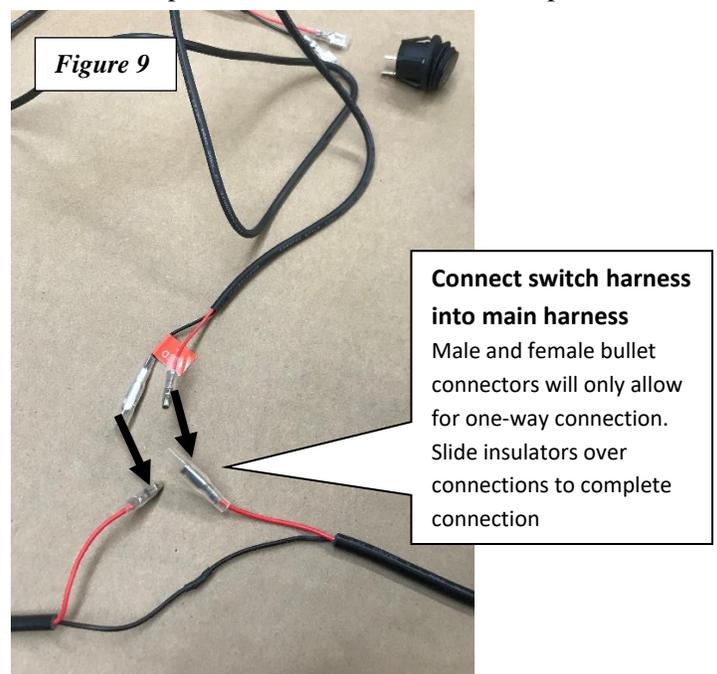
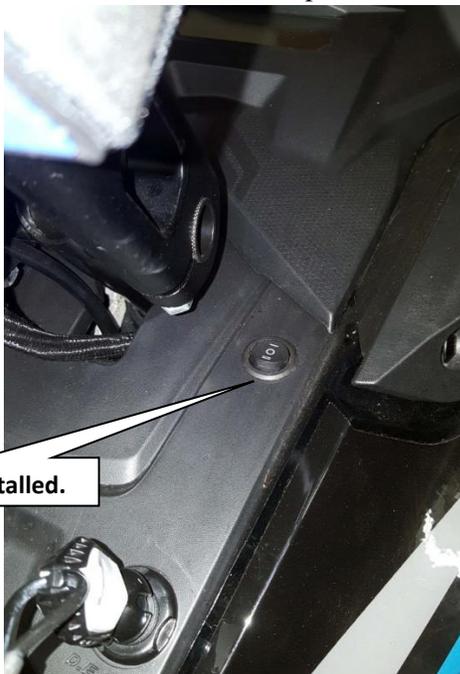


**STEP 5:** At this time go back and check the torque of all fasteners. All fasteners may need to be retightened after the first ride.

## Mounting the LED light switch



1. Remove the hood on your machine to gain access for wire routing and access to your 12 volt power source
2. Locate a desired position for the LED light switch on the Dash where it is easily accessible typically around the base of the handlebars is best. Keep in mind you do not want the switch location to interfere with hood removal for future sled maintenance.
3. Carefully Drill a  $\frac{3}{4}$ " hole, (be sure there are no wires on the backside of dash). Feed the two Female spade connectors on the power switch harness up through hole in dash and plug switch into harness. (Wire orientation on back of switch does not matter) push LED switch into the previously cut  $\frac{3}{4}$ " hole - this may require a razor blade to notch the orientation pin on the side of the switch. Be sure to push down as it will lock on the plastic.



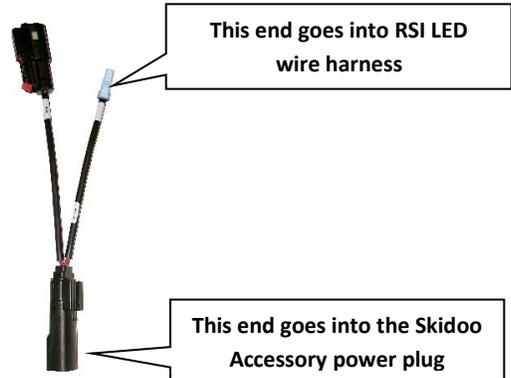
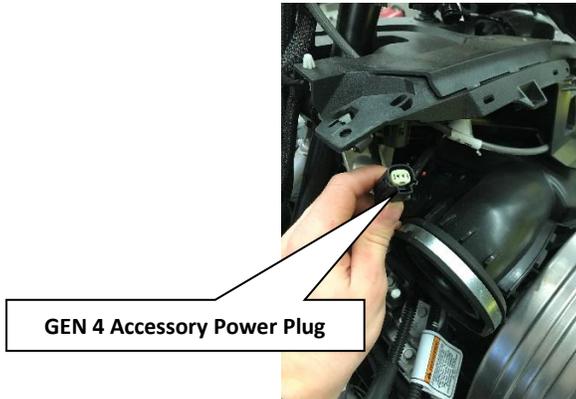
4. Connect the power switch harness to the main wiring harness as shown in *Figure 9* above.
5. Connect the two white female plugs on the main wiring harness into the male plugs on the Handguards routing the wires where they do not interfere with anything when turning the handlebars – we will come back and zip tie these wires later.
6. Last step is to plug into our power source, if using a plug and play power plug look below for your specific model.

- If using the supplied universal power plug locate your power source which can be a 12 Volt battery or battery pack, or 12-18 Volt DC Vehicle accessory power which can be spliced into very easily using the supplied scotch lock clamping connectors.

**\*\*Note power supply must be no greater than 18 Volts and must be DC Power\*\***

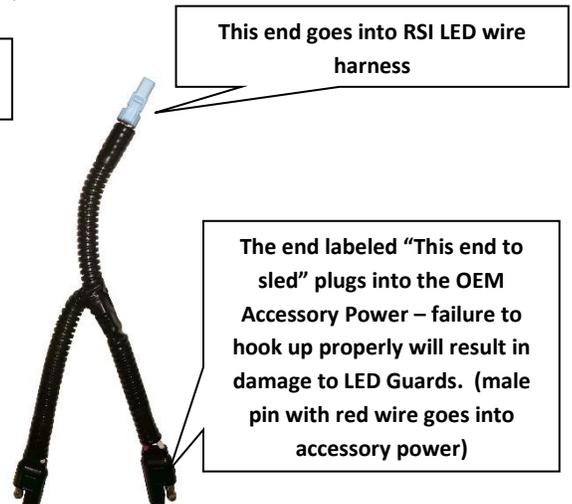
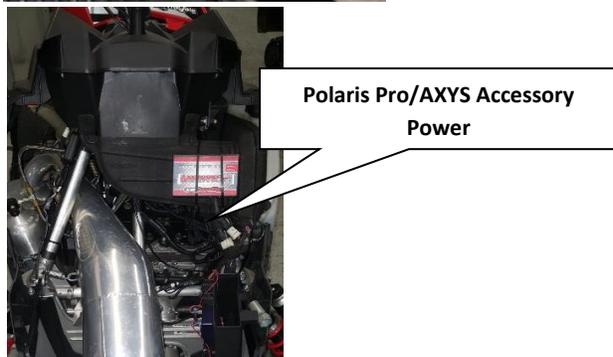
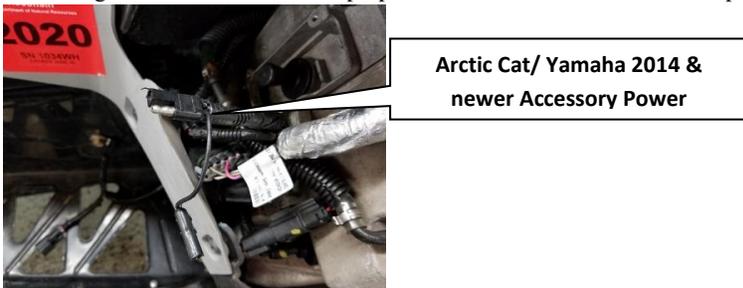
**Ski-doo G-4 Plug and play wiring:**

1. With the hood Removed
2. Locate Vehicles 12 Volt power source – above Airbox connection clamp (Under left hand side of dash – when seated on machine)
3. Plug in RSI Plug and play wire harness Part number H4458 and plug into single female terminal on LED handguard wire harness.



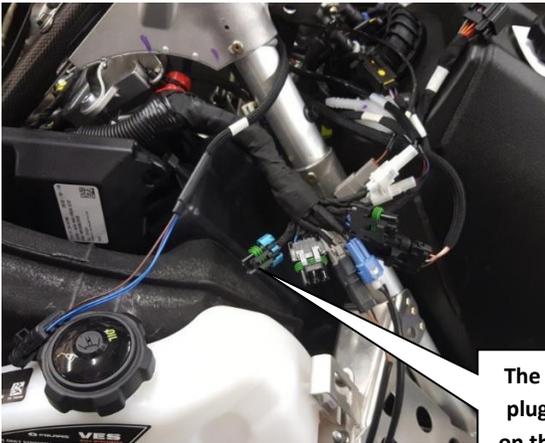
**Polaris 800- 600/ Arctic Cat / Yamaha Plug and play wiring:**

1. With the hood Removed
2. Polaris Accessory power will be found just above Left-hand shock tower on some models accessory power will be inside Black Velcro pouch above drive clutches
3. Arctic Cat / Yamaha models, accessory power will be located on right side of machine by chain case (by right knee if sitting on machine)
4. Plug in RSI Plug and play wire harness Part # H4460 to machine making sure “this end to sled” is plugged into sled. Then plug white male terminal into single female terminal on the main LED handguard wire harness. (Failure to connect correctly will cause damage to RSI LED’s. \*ensure proper orientation before vehicle start up\*).

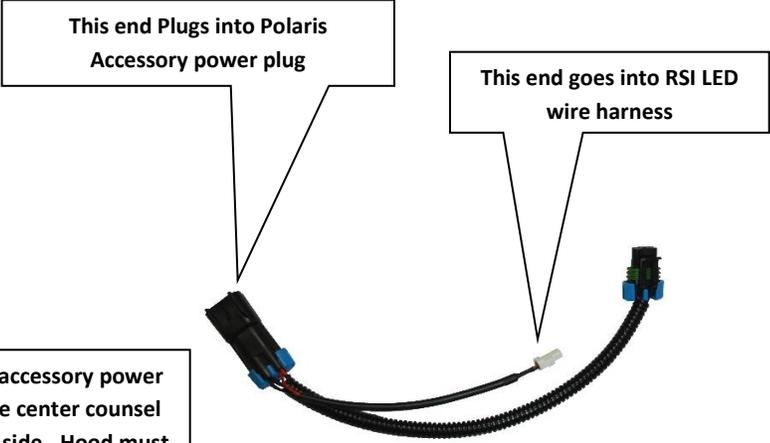


**Polaris 850 Plug and play wiring:**

1. With the hood and panels removed
2. Locate Vehicles 12 Volt power source – (Under left hand side of dash – when seated on machine)
3. Plug in RSI Plug and play wire harness Part number H4462 Then plug white male terminal into single female terminal on LED handguard wire harness.



The Polaris 850 accessory power plug is under the center counsel on the left-hand side. Hood must be removed to access

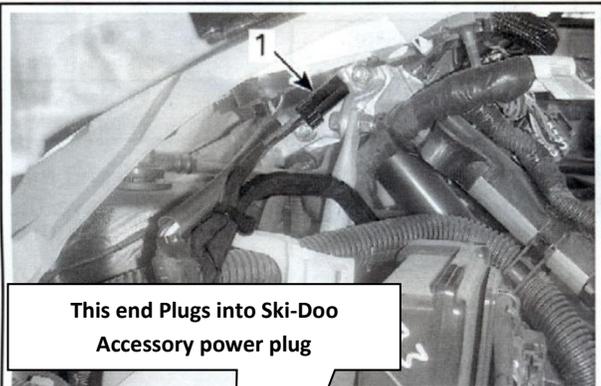


**Ski-Doo XM/XS/XP/XR Plug and play wiring:**

1. With the hood & panels removed
2. Locate the vehicles accessory power plug Shown in the Pictures below.
4. Plug in RSI Plug and play wire harness Part number H4456 Then plug white male terminal into single female terminal on LED handguard wire harness.

**XM/XS MODELS**

Just over the oil tank, locate the accessory power connector (male connector with a RED/YELLOW wire and BLACK wire).



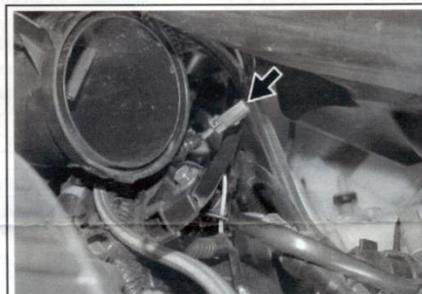
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1. Accessories pow

**XP MODELS**

**Installation on All Other Models**

Without 12-V power outlet installed

1. Open left side panel and remove the primary air intake silencer.
2. Locate accessory power connector (male connector with a BLACK wire and a RED/YELLOW wire).



This end goes into RSI LED wire harness

## Finishing Steps:

1. Ensure all plugs are connected and secure.
2. Starting at the hand guards secure the wire using the small zip-ties supplied in the kit ensure that wires will not be pinched or torn when turning the handlebars in each direction. For a clean and simple installation route wires through the bar pad.
3. Working your way down into the engine compartment secure all wires so they do not interfere with moving or hot parts.
4. Re-install all hoods and panels and test the LED lights! If lights do not come on when machine is running flip the on/off switch to the opposite side.

**We love to see your customized sleds Tag us on social media:**

**@rsiracing** – you may even win some prizes for tagging/sharing to our pages!

**Note:** If using a snowmobile cover, the handguards may deform. They will recover after a short period or can be manually manipulated to the original shape. If covered for extended periods of time in excessive heat (such as summer snowmobile storage), deformation may be permanent.

### **LIMITED WARRANTY**

**RSI Racing** warrants this product to be free from defects in material and workmanship under use for the purpose it was intended.

**RSI Racing** shall not be liable for damage or injury caused by defective materials or workmanship. **RSI Racing** may elect to repair or replace this product, but RSI Racing is the sole judge of any defects in their product. This warranty does not cover any labor costs to remove or reinstall this product and is effective for one year from the original purchase date.

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