

UNDERCOVER LIGHTS INSTALLATION INSTRUCTIONS; PRODUCT WARNING; WARRANTY INFORMATION

Undercover Lights — Snowmobile Hood and Track Kits

Warning and Important Safety Reminder

STOP. If you do not have a thorough understanding of snowmobiles and their electrical procedures, and are not proficient in the installation and use of auxiliary and other lighting in vehicles, seek the assistance of someone proficient with such procedures and systems when installing this product.

To properly and safely install Undercover Lights, it is important to read and thoroughly understand the instructions, including all diagrams and/or pictures. Do not install the product in hazardous conditions or situations.

Read the owner's manual of the vehicle in which the product is being installed and investigate the local and any other applicable traffic rules to determine whether there are any restrictions or warnings on or regarding the use of this auxiliary light which may impact your use. It is the owner's responsibility to investigate these issues.

These instructions are intended to assist with easy installation and to help you avoid injury. Stratus Industries and its affiliates and related entities are not liable for any injury or damages caused by improper installation or improper use of the product. Failure to follow these instructions and all related safety precautions set forth in this document may result in property damage, serious injury or death.

NO WARRANTIES, EXPRESS OR IMPLIED, REPRESENTATIONS, UNDERSTANDINGS, GUARANTIES OR PROMISES HAVE BEEN MADE TO OR RELIED UPON BY BUYER IN MAKING THE DETERMINATION TO PURCHASE THE PRODUCT, AND TO THE EXTENT PERMITTED BY THE LAW, ALL WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED HEREIN. Regarding any implied warranties that cannot be disclaimed in whole or in part, incidental and consequential damages are disclaimed, and Stratus Industries shall therefore have no responsibility for incidental or consequential damages whatsoever.

Instructions

Installation Tools: Wire cutter/crimper; wire strippers; clean cloth; household degreaser; adjustable wrench

Installation Pointers:

- 2-conductor wire: The **white dashed side is the positive**, and **lettering marks the negative**.
- Following the guidelines regarding positive and negative connections is extremely important.
- Remember: **Fuse the positive** and **switch the positive**.

Step 1(a): Installation of LED Pods For Hood (10' section)

Because of the variety of snowmobile hood designs, we do not provide specific locations for where to install the pods, but be sure they are not mounted too close to extreme heat or engine components that could cause the light pods to catch on fire. We also recommend planning the placement of all pods before sticking them in place.

Most installers cut the lights into sections for maximum visibility (leave enough wire on both sides of pods to connect wire if you cut them apart) and mount them to shine near the air intake and cooling openings in the hood. Mounting them near the hood to light up in front of the sled is also common. If lights are placed in an area that can be bumped by snow or debris while traveling, it is recommend that you add self-tapping screws to the pods in addition to the 3M adhesive.

Once you know where all the pods will be placed, clean the area thoroughly with a household degreaser, wipe the area with the alcohol pad included in the kit, and then dry with a clean towel.

Peel the paper off of the double-faced tape on the first LED pod and apply the pod. Stretch the wire out between pods and apply the next pod. Continue this process and apply all of the pods from the first strand.

Reapply pressure to each pod for proper adhesion.

Follow the same procedure for all pods.

Once the lights are in place, you will need to run wire from one end of the light strand to the area where you will be mounting the switch. Use wire tie and adhesive wire tie stanchion.

Step 1(b): Installation of LED Pods For Track (5' section)

Because of the variety of snowmobiles and the slight differences in the track and tunnel, we do not provide specific locations for mounting the LED pods. Be sure that they are not too close to extreme heat from cooling fans or too close to moving components of the track that they could be caught in.

While the hood kit is often cut into different sections for maximum visibility, many snowmobile tracks look great with just one run of lights, centering the 5' strand of lights at the middle of the rear tail and running forward a few feet on each side. Given the snow and debris thrown around by the track, adding self-tapping screws to the pods in addition to the 3M adhesive may help the PODs from ever detaching. (Though many of our customers have no problems using only the 3M.)

We recommend planning the layout of all LED pods before you begin to stick them in place.

Once you know where you will place all pods, clean the area thoroughly with a household degreaser, wipe the area with the alcohol pad included in the kit, and then dry with a clean towel.

Peel the paper off the double-faced tape on the first LED pod and apply the pod. Stretch the wire out between pods and apply the next pod. Continue this process and apply all of the pods.

Reapply pressure to each pod for proper adhesion. You can go back later and add screws if you wish, and it will be much easier if the pod is firmly stuck in place.

Once the lights are in place, you will need to run wire from one end of the light strand to the area where you will be mounting the switch. Use wire tie and adhesive wire tie stanchion.

Step 2: Installation of Switch

Select an easily accessible mounting location for the switch, most likely somewhere on the dash near the gauges or other controls. Be sure that it does not interfere with operation or maintenance of the snowmobile.

Clean the area where the switch will be mounted with a household degreaser. Then wipe that area with the alcohol pad supplied with the kit and dry it with a clean towel.

Peel the paper off the tape and mount the switch. Use tie wrap to secure switch wire as is necessary.

Connect the **positive** wire from the light strand (or strands, if you are running both kits to one end of the switch wire) using blue butt connector.

The other switch wire will be connected to the **positive** of main wire coming from the battery using red butt connector.

Step 3: Power Line or Optional Add-on AA Battery Box

Option A: Installation of Main Line

Disconnect the snowmobile battery for safety.

Route the power line from the snowmobile battery to the spot where you mounted the toggle switch. Make sure routing does not obstruct normal function of operating the snowmobile or working on the engine. Most installers do this by running the wire near the handlebars and mounting the switch near the gauges.

Connect the positive wire to the open end of the switch wire.

Option B: Optional Purchased AA Battery Box. (See end of instructions if you choose this option.)

FOR NEXT STEPS, refer to image near end of instructions for help

Step 4: Installation of Fuse Link

If the fuse link assembly (black plastic piece with red wire) is looped, cut wire to create two ends.

Connect one end of fuse link wire to **positive** of main wire coming from the switch using butt connector.

Crimp a ring terminal to other end of fuse link and connect to **positive** of battery.

Make sure all connections are secure and all bare wires are covered before proceeding any further.

Reconnect the **negative** terminal to the battery. (If using battery box, insert 8 AA batteries.) Insert supplied fuse and turn on the switch to test.

Step 5: Connect Lights and Switch to Battery

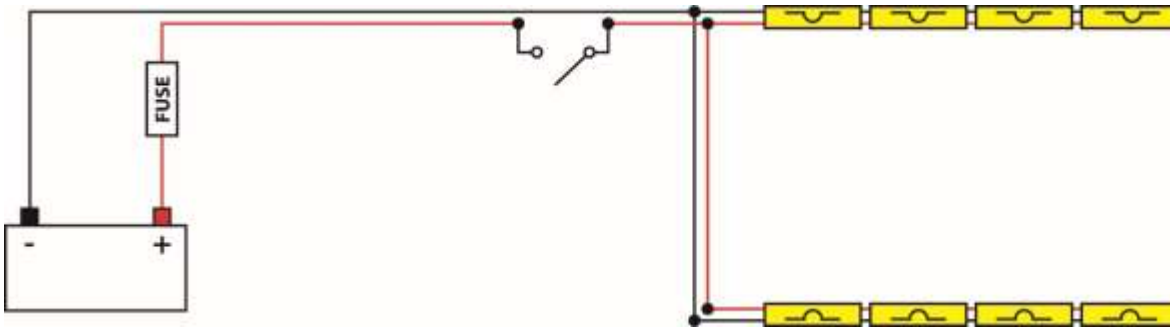
If wiring to snowmobile's battery, make sure **negative** terminal of the battery has been disconnected.

Connect **negative** wires from both light strands to the **negative** of the main wire near the switch using blue butt connector.

Crimp ring terminal to other **negative** end of main wire and connect to **negative** side of battery. If using AA battery box, connect main wire to negative of battery box (black wire) using butt connector.

To troubleshoot: Inspect the system in the following order: ground wire; battery connection; switch connection; LED connection; and wire polarity.

This diagram shows using both hood and tail kit



Battery Box Option (Note: Not guaranteed to be water or snow proof. Do not work with batteries in the box.)

Find a safe spot to mount the battery box. Make sure routing does not obstruct normal function of the snowmobile

Clean the area thoroughly with a household degreaser, wipe the area with alcohol pad included in the kit, and then dry it with a clean towel. Peel sticker off battery box and mount.

Run the main wire from the battery box to the spot in the on the dash were your switch is.

Connect the positive wire to the other wire on the switch.