

SEARCH LIGHT KIT



P/N 2881572

APPLICATION

All *RANGER*

DESCRIPTION

This Polaris Search Light, by GoLight, provides 370° of horizontal rotation and 135° of vertical tilt with 2-speed operation and wireless fingertip control.

USAGE

- This light is intended for off-road and utility use only. It is NOT approved for road or highway use. It is NOT designed for use as a driving light.
- This light is intended to be mounted outside the vehicle. It is NOT approved for use inside a vehicle or enclosure, and is NOT approved for inverted mounting.
- This light may be damaged if operated in icing conditions.
- This light may only be disassembled and repaired by an authorized representative.

FCC INFORMATION

This light complies with Part. 15.105 of the FCC Rules. This equipment has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

- Consult the dealer or an experienced radio/TV technician for help.

FCC RULE Part. 15.21 - Changes or modifications made by the user not expressly approved by Polaris Industries, Inc., for compliance could void the user's authority to operate the equipment.

This light is a radio transmitter and receiver operating at 433 MHz. Whenever the light is on, the internally mounted antenna sends out and receives radio frequency (RF) energy.

Modern electronic equipment, including personal medical devices such as pacemakers, hearing aids, etc., are shielded from RF energy. However, RF energy may affect some electronic equipment.

Vehicle electronic systems may be affected by RF energy. Check with your vehicle manufacturer representative to be sure that your Polaris Search Light will not affect the electronic system of your vehicle.

KIT CONTENTS

This kit contains parts for installation of the search light only. The following additional kits, if not previously installed, are also required (sold separately):

- All *RANGER*: Bus Bar Power Wiring Kit, PN 2879990
- *RANGER* EV only: EV Battery Kit, PN 2880555

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Light, with 11 ft (3.6 m) Power Cable	—
2	1	Remote Control, Wireless (not shown)	—
3	2	Batteries, GP 23A, 12V (not shown)	—
4	1	Mounting Gasket	—
5	1	Mounting Plate	—
6	3	Screw, Mounting Plate to Vehicle, #10 X 3/4 inch	—
7	1	Screw, Mounting Plate to Light	—
8	1	Rockguard (not shown)	—
9	2	Terminals, Ring - #10 (not shown)	—
10	2	Shrink Tubing (not shown)	—
11	1	Grommet, Power Cable (not shown)	—

REF	QTY	PART DESCRIPTION	PART NUMBER
12	1	Bulb, 65W (not shown)	39000-9011
		Instructions	9926681

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit, 1/8 inch, 3/8 inch
- Screwdriver, Phillips
- Sealant (Silicone or equivalent)
- Scissors or Knife
- Terminal Crimping Tool
- Heat Gun (or equivalent)
- Socket Set

IMPORTANT

Your SEARCH LIGHT KIT is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

Approximately 30 minutes

INSTALLATION INSTRUCTIONS

1. Place vehicle in "PARK". Turn key to "OFF" position and remove from vehicle.
2. Determine light ① mounting location.

NOTE

The following instructions assume light will be mounted on roof.

3. Displace gasket ④ to expose screw ⑦ at rear of light. Remove and retain screw.
4. Remove mounting plate ⑤ by sliding plate towards front of light.
5. Position mounting plate ⑤ on vehicle with screw ⑦ towards rear. Using plate as template, mark locations for mounting screws ⑥ and wire passage hole.
6. Drill 1/8 inch pilot hole for each mounting screw ⑥.
7. Drill 3/8 inch hole for wire passage.
8. Install mounting plate ⑤ with mounting screws ⑥.
9. Feed power wires through wire passage hole, then install light ① by hooking front of light over front of mounting plate ⑤, then lower back of light into mounting plate.

NOTE

If necessary, wet mounting plate ⑤ with water or lubricant to provide easier installation.

10. Displace gasket ④, install screw ⑦, and replace gasket.
11. From underside of roof apply sealant around wires/grommet to seal opening.
12. Make electrical connections:
 - a. Remove accessory fuse.
 - b. Route power wires across roof, down ROPS, to terminal block under hood. Remove or coil excessive wire length.
 - c. Slide shrink tubing ⑩ over each wire.
 - d. Crimp ring terminal ⑨ to each wire.
 - e. Slide shrink tubing ⑩ over crimped end of ring terminal ⑨, then apply heat source to shrink tubing. Ensure wire is not damaged by heat.
 - f. Attach ring terminals to terminal block as follows:
 - i. Positive (+) wire, identified by RED marking, to terminal post with existing orange/white stripe vehicle harness wire (accessory switched 12V POS).
 - ii. Negative (-) wire to terminal post with existing black wire (from PN 2879990 Bus Bar Power Wiring Kit, sold separately) (12V NEG).
 - g. Reinstall accessory fuse.

REMOTE CONTROL

OPERATION

1. Turn light on/off by depressing power button.
2. Rotate and tilt light by depressing arrow buttons.
3. Adjust speed of light by depressing speed control button.

CAUTION

Do not operate light with rockguard ⑧ installed.
Light and/or rockguard may be damaged.

4. Optional: Install rockguard (lens cover) by snapping in place over light.

BATTERY REPLACEMENT

1. Remove battery cover by removing Phillips head screw.
2. Remove old batteries ③ by gently lifting the positive end of each battery.
3. Install new batteries③, observing correct polarity. Do not mix old and new batteries.
4. Reinstall battery cover.

REPROGRAMMING

NOTE

The remote control has been pre-programmed at the factory. Reprogramming is unnecessary unless you experience outside interference.

1. Disconnect power to light by removing accessory fuse.
2. Remove batteries from remote control.
3. Set 7 dip switches to any desired combination using small screwdriver. There are 3 positions for each (positive, negative and neutral), providing 2187 selectable channels.
4. Reinstall batteries and replace cover. Ensure batteries have adequate charge.
5. Depress power button (red LED will illuminate) and continue holding button down while you perform the following:
 - a. Reinstall accessory fuse.
 - b. Keep power button depressed for 5-6 seconds after fuse is reinstalled, then release button. Light should now be programmed.