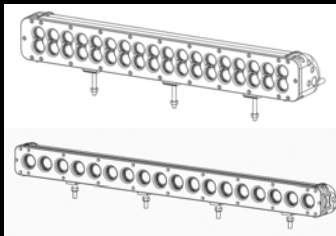


Arctic Cat®

Installation Instructions - Accessory Kit

Firebar 9-54 LED Light Bar Kits (p/n 1436-857/858/859/860/861)



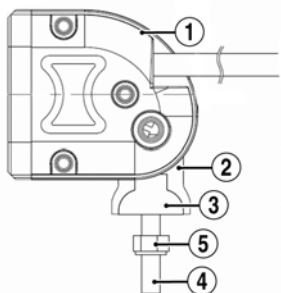
■ **NOTE:** Read these installation instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

Kit includes:

Ref. No.	p/n	QTY	DESCRIPTION
1	N/A	1	LED Light
2.	N/A	2	Mounting Foot Bracket *
3	N/A	2	Isolated Rubber Mount *
4	N/A	2	Cap Screw *
5	N/A	2	Nyloc Nut *
N/A	N/A	1	Allen Wrench
N/A	1436-874	1	Harness (9-36 LED Light Bars)
N/A	1436-867	1	Harness (54 LED Light Bar)
N/A	2441-358	1	Single Row Light Bar Switch
N/A	2441-357	1	Dual Row Light Bar Switch
N/A	0453-893	1	Instruction

* Included in Single Row Hardware/Mounting Kit (p/n 0541-961)

* Included in Dual Row Hardware/Mounting Kit (p/n 0541-964)



⚠ WARNING

Do not look directly into lights; doing so can cause eye damage.

⚠ WARNING

After installing lights be sure to position lamps so they do not blind other drivers. Position your vehicle approximately 20 feet from a wall. The top of the beam projected on the wall should be 3 inches lower than the lights center.

CAUTION

The housing and end caps of the light as well as the protruding short wiring lead and connector is fully sealed and should not be opened or cut. Doing so could damage the product and will void warranty.

CAUTION

Do not have lights on when starting or turning off the vehicle.

Installing Light

■ **NOTE:** The light can be mounted using Firebar Tube Clamps, Fast Clamps or many other styles of clamps. See Fig. 1.

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■ **NOTE:** The light can be mounted using Firebar Tube Clamps, Aluminum Light Support, or many other styles of clamps and mounts. For some examples see Fig. 1 and 2.

Fig. 1

LED Light installed using Firebar Tube Clamps



ROV-304A

Fig. 2

LED Light installed using Wildcat Aluminum Light Support (p/n 1436-724) and Transition Brackets (p/n 1436-908)



ROV-306A

■ **NOTE:** The light can also be mounted almost anywhere using the provided hardware and mounting foot bracket. Washers or other backing materials (not provided) may be required depending on the surface and/or material the light is mounted to. See Fig. 3 and 4.

Fig. 3



ROV-302

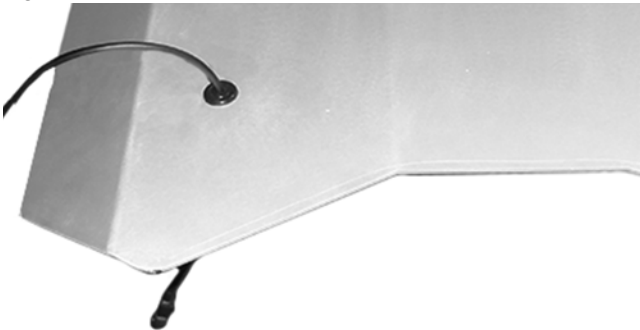
Fig. 4



ROV-298

1. After the light is mounted in the desired location, keep bottom base nuts snug but don't tighten. Adjust bar so it is centered. Tighten bolt on the bottom of the bracket to 20 ft-lb.
2. Adjust the light to the desired horizontal height, then use the supplied Allen Wrench to tighten both allen screws on each end. A good reference point is at a distance of 20 feet, the top of the beam should be three inches down from the center of the light.
3. **If installing Firebar 9-36 light** on a roof or other flat surface, **use a 3/4-in. drill bit** to drill through the surface; then route the pigtail wire and connector through the surface and secure the grommet in the surface. **DO NOT cut the wire or connector.** See Fig. 5.
4. **If installing Firebar 54 light** on a roof or other flat surface, **use a 1-in. drill bit** to drill through the surface; then route the pigtail wire and connector through the surface and secure the grommet in the surface. **DO NOT cut the wire or connector.** See Fig. 5.

Fig. 5



ROV-341

■ **NOTE:** The grommet can be cut and removed if not in use.

Installing Harness

■ **NOTE:** On 2012 Wildcat models, Accessory Extension Wire Harness (p/n 0486-467) is required but not included in this kit and will have to be ordered separately. The accessory plug is under the dash near the back of the gauge and route toward the battery making sure wires are cable tied away from the drive shaft.

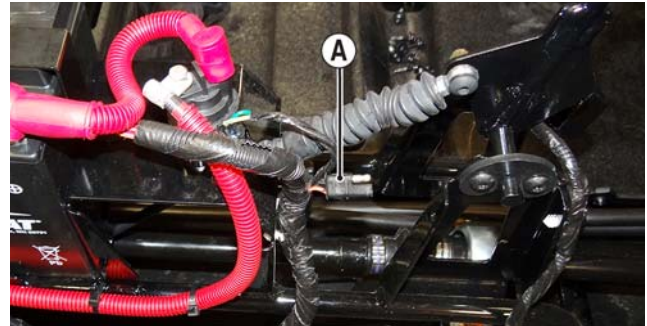
1. There is an accessory plug near the back of the gauge or remove seats and center console as necessary to access the accessory plug near the battery or contact your Arctic Cat dealer for updated locations of accessory plugs. Note the location and ensure the accessory plug on the light wire harness can reach the vehicle accessory plug. Do not plug in at this time.

■ **NOTE:** If powering multiple accessories from one accessory plug, Accessory Adapters (p/n 1639-623 or 1639-624) are available.

■ **NOTE:** On HDX models, the accessory plug is under the seat base near the throttle body.

2. Disconnect the positive battery cable then the negative cable from the battery.
3. Route the battery terminals from the light harness to the battery and to the location of the LED light and switch (in the dash or desired location).
4. Secure the harness to the LED light; then plug the light harness accessory plug into the accessory plug (A) on the vehicle from step 1 of Installing Harness. See Fig. 6.

Fig. 6

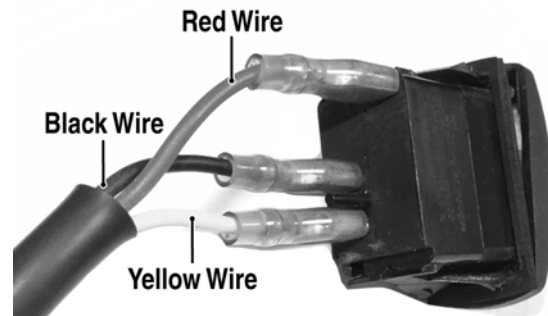


ROV-298

5. Secure the yellow ring terminal from the light harness and the red positive cable to the positive terminal on the battery. Tighten securely.
6. Secure the black ring terminal from the light harness and the black negative cable to the negative terminal on the battery. Tighten securely.

■ **NOTE:** Verify wiring is correct and secure all loose wiring from any moving components. If the harness is not plugged into the switch, the wires must be connected in the order shown below. See Fig. 7.

Fig. 7



ROV-298