

18921 LED Flood Light with Harness and Connector

19142 – Flood Light Installation Guide

SPECIAL REQUIREMENTS: Kit is used in lieu of the Work & Ride Light Package

TOOLS REQUIRED		ESTIMATED INSTALL TIME	RECOMMENDED SKILL LEVEL
Electric Drill	Flat Screw Driver	1 Hour	Intermediate
½" Socket & Ratchet	Wire Cutters		
1" Circular Hole Saw	Marker		
4 mm Allen Wrench			

Before you begin, check the contents of the kit against the parts list below. Immediately contact American Landmaster with any questions or discrepancies. American Landmaster cannot assume responsibility for any damage or injury resulting from incorrect installation of parts. American Landmaster suggests that accessory kits be installed by an authorized American Landmaster dealer or service center.

!! WARNING !!

Serious Injury or death could occur!

- Use proper personal protective equipment during installation of this kit. Use safety glasses.

PARTS LIST FOR AMERICAN LANDMASTER ACCESSORY KIT

(1) Flood Light Assembly (1) Flood Light Harness (12) Tie Wraps (1) 1 inch Grommet (1) Bag of lamp brackets and bolts



Fig 1 – Kit contents – Flood Light, Harness, Grommet, Tie wraps, Brackets

ASSEMBLY INSTRUCTIONS:

Instructional video: In Process

Preliminary Dis-assembly instructions:

- 1- Remove the hood. Remove three screws from each front fender and two screws from the front hood. Lift the hood off and set aside. If the vehicle has turn signals, disconnect the amber lights by depressing the release tab on each turn signal lamp connector and pull apart. Set the hood aside where it will not be damaged.



Figure 2: Removing Three Fender Fasteners



Figure 3: Removing Two Hood Fasteners

- 2- Remove the Black Instrument panel cover. Unscrew each stainless steel fastener that holds down the black instrument panel cover using a 4 millimeter Allen wrench. Place the fasteners in a small container so they do not get lost. Lift the cover straight up and off the panel. Set the cover aside where it will not get damaged.



Black Instrument
Panel cover

Figure 4: Removing Black Instrument Panel Cover

Flood Light Installation:

- 1- Assemble the flood light by installing the side brackets on the lamp body with the hex head bolts provided. An Allen wrench is also provided in the box. Do not tighten the side bracket bolts at this time.

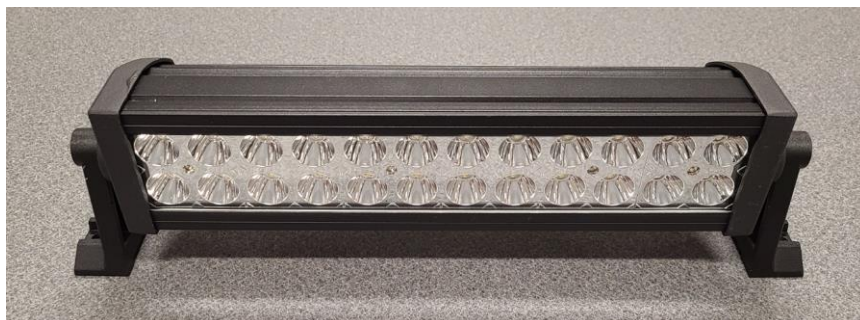


Figure 5: Lamp assembled with side brackets

- 2- Place the lamp assembly on the front brow of the roof. A flat spot is provided. Center the lamp on the roof.

Mount lamp in
this flat space.



Figure 6: Mounting location for the lamp

- 3- Using a marker, mark the two holes that are to be drilled for mounting the lamp.
- 4- Put the lamp assembly aside and drill out the two mounting holes in the roof.
- 5- Attach the lamp to the roof with the bolts provided in the lamp box.



Figure 7: Flood light positioned and mounted in the Center of the Roof brow

- 6- Position the lamp's connector straight behind the lamp mounting bolt and mark a spot to drill a hole in the roof. The lamp harness and connector must be able to reach through the hole with the grommet.
- 7- Using a 1" hole saw, drill a hole through the roof behind the lamp mounting bolt as shown below.



Figure 8: 1 inch hole drilled in the roof

- 8- Locate the 1" grommet provided in the package.
- 9- Open the split in the grommet and slide it over the flood light cable. Ensure that the beveled edge of the grommet is pointing down such that it would be first to penetrate the roof.

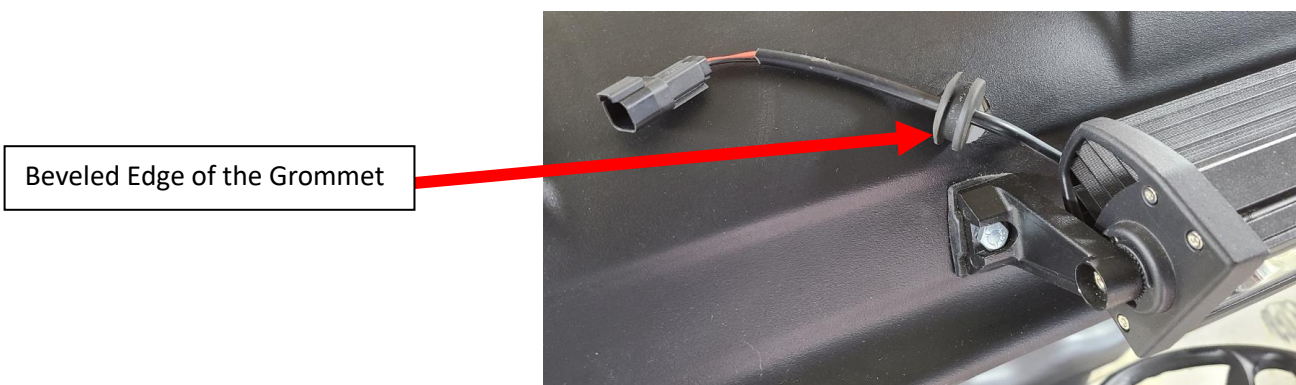


Figure 9: Grommet is attached to lamp cable

- 10- Slide the grommet up or down the wires such that there is an adequate length of harness to allow the lamp to be adjusted up or down on the top side of the roof.
- 11- With the grommet around the lamp wires, start pushing the grommet into the hole by starting at the split. Use a medium size flat screw driver to press the grommet into the hole.



Figure 10: Grommet is started into the mounting hole

- 12- When complete, the grommet will be fully seated into the hole and produce a water proof seal.



Figure 11: Grommet is fully seated in the mounting hole

- 13- Aim the flood light to the desired dispersion angle.
- 14- Tighten the lamp side bolts to secure the position.

Flood Light Harness Installation:

- 1- Locate the blue four pin connector on the back side of the instrument panel harness. The connector will be located in the central to right side of the harness as you face the front of the vehicle.



Figure 12: Locating the Blue 4 Pin Connector

- 2- Remove the black plastic cap by pushing on the release tab. Grab the blue connector in one hand, the black cap in the other hand. While pressing the release tab, pull the cap off the blue connector. *Do not merely grab the wires to pull off the cap.* If you have difficulty removing the cap, while holding the release tab depressed, push the cap and connector together and then pull them apart. Do not force it. The connector and cap will separate easily if the tab is adequately depressed.
- 3- Remove the flood light harness from the kit.
- 4- Connect the black two pin connector of the harness to the flood light connector in the roof. Push the two connectors together until you hear a click.



Figure 13: Attaching the harness to the Flood Light

- 5- Route the harness toward the overhead bar and tie wrap it to the bar as close as possible to the connector pair.
- 6- Route the harness toward the passenger side “A” pillar and attach another tie wrap in the corner.
- 7- Route the harness down the “A” pillar and attach a tie wrap at least every twelve inches. There should be four tie wraps applied to the “A” pillar.

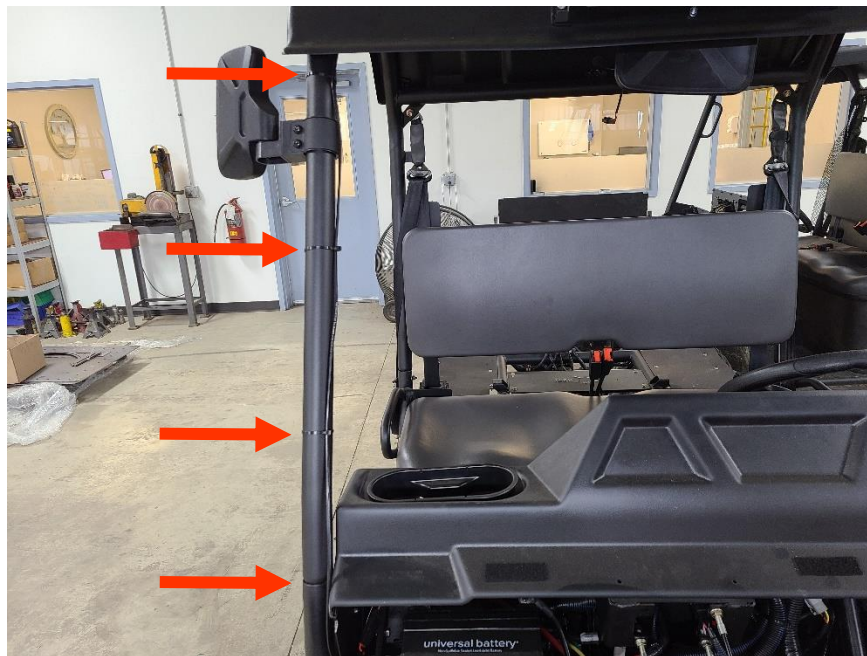


Figure 14: Routing the harness down the Passenger Side “A” Pillar

- 8- Route the harness under the edge the metal instrument panel frame to get to the back side of the panel. Be sure to leave some slack such that the harness is not drawn against the sharp edge of the instrument panel.

Allow extra harness length as it passes under the instrument panel edge. The harness must not be drawn against a sharp edge.

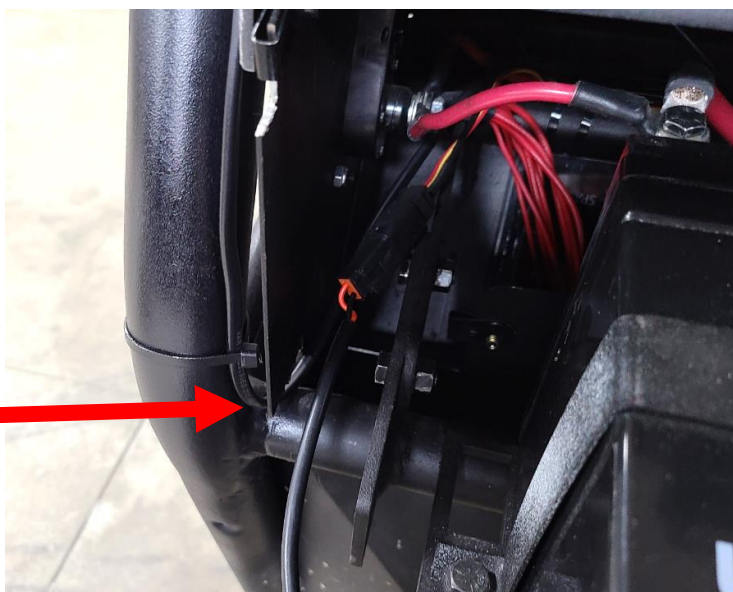


Figure 15: Routing the harness around the Instrument Panel edge

- 9- Route the harness across the instrument panel harness with the blue flood light connector ending in the vicinity of the blue instrument panel harness connector. Follow the existing instrument panel harness. Route the harness under the large shifter bracket. A graphic line has been added to show the general routing path.

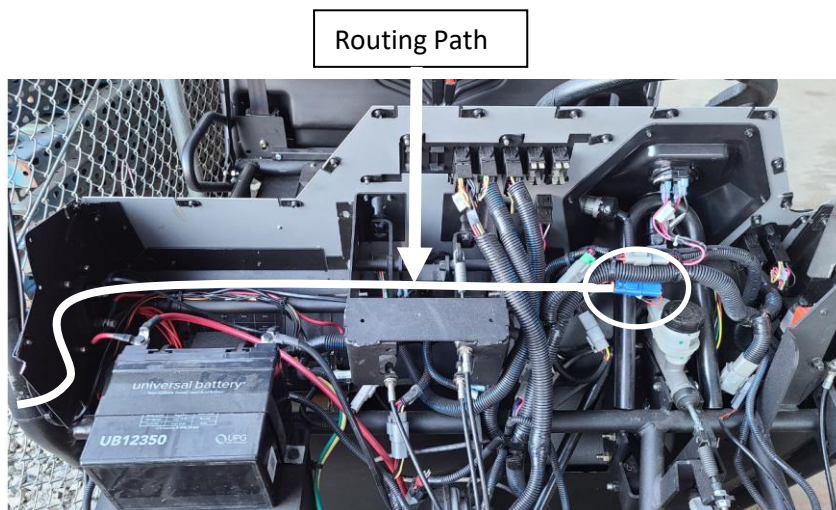


Figure 16: Flood light harness routed across instrument panel

- 10- Mate the blue connectors together until you hear a click.
11- Tie wrap the flood light harness to the instrument panel harness about every twelve inches.

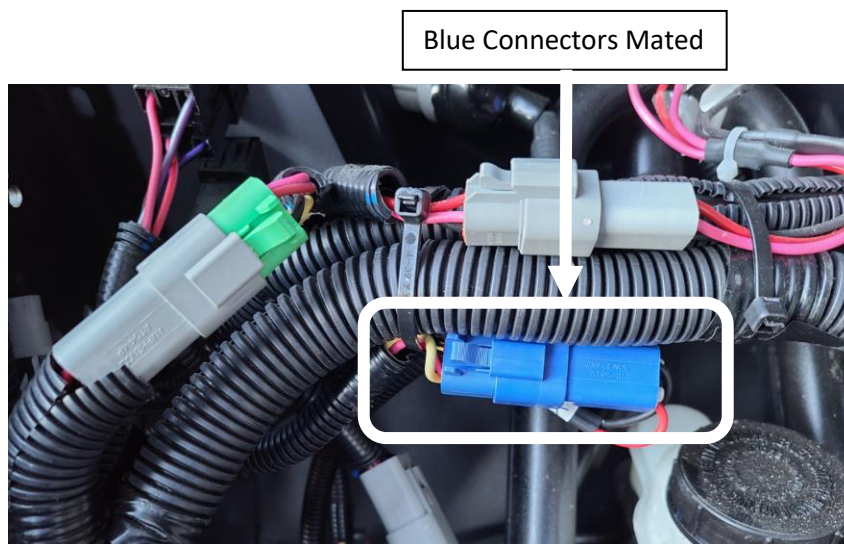


Figure 14: Attaching the Flood Light Harness to the Instrument Panel harness

- 12- Trim off the tie wrap tails at all locations with wire cutters.

Testing the Flood Light:

- 1- Turn on the Ignition key to the RUN position.
- 2- Move the headlight switch to the middle position and verify the headlights come ON.



Figure 15: Testing the flood Light

- 3- Move the headlight switch the upper position and verify that both the headlights and Flood lights come ON.

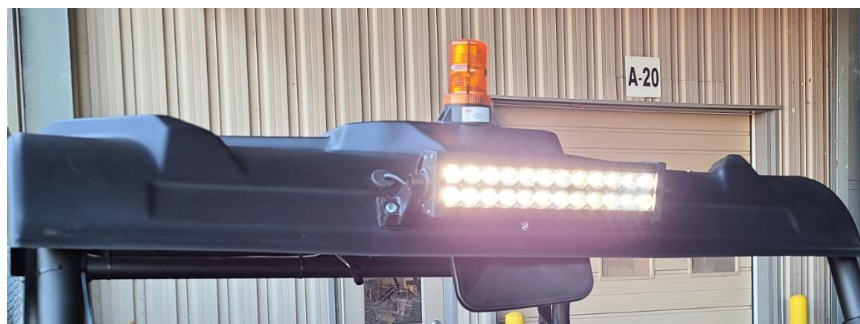


Figure 16: Flood Light ON

- 4- Move the headlight switch to the bottom position verify that both the headlights and the flood light go off.



Figure 17: Flood Light OFF

Finalizing the Installation:

- 1- Reinstall the black Instrument Panel Cover.
- 2- Reinstall the Hood.
- 3- Be sure to reinstall all fasteners.

Black Instrument Panel Cover



Figure 18: Ensure all fasteners are reinstalled

- 4- Verify the mounting angle of the lamp meets your requirements. Ensure the side bolts are tight.



Figure 19: Verify lamp dispersion angle