

18851-R Kit, 2021 Snow Plow 50 inch

18850-R Kit, 2021 Snow Plow 60 inch

19150 – L4 through L7 Snow Plow Installation Guide

TOOLS REQUIRED		ESTIMATED INSTALL TIME	RECOMMENDED SKILL LEVEL
5/32" Allen Wrench	1/8" Allen Wrench	1 Hour	Intermediate
General Purpose Pliers	Wire Cutters		

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)	50 or 60 inch Snow Plow	(1)	Snow Plow Up / Down Switch	(1)	Snow Plow Left /Right Switch
(1)	Main Snow Plow Harness	(8)	Clevis Pin	(1)	Retainer Hair Pin
(2)	#10 Screws	(2)	#10 Nuts	(2)	Cap Retainer Plates
(2)	2 Pin Connector Cap				



Fig 1 – Kit contents – 2021 Snow Plow Kit



ASSEMBLY INSTRUCTIONS:

Preliminary Dis-assembly instructions:

- 1- Remove the hood. Remove three screws from each front fender and two screws from the front hood using a 5/32" Allen wrench. 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 5/32" 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

Switch Installation:

- 1- Mount the switches in the seven switch plate in the central part of the instrument panel.
- 2- Select two open positions of your liking.
- 3- Remove two switch blanks from the switch panel. Push the blanks out from the rear.
- 4- Insert the switches into the openings from the front. They will snap into position when seated.



Figure 5: Seven Switch Panel



Figure 6: Switch Panel with Snow Plow Switches

Snow Plow and Main Harness Installation:

- 1- Attach the snow plow to the front receiver hitch of the vehicle. Line up the first hole in the plow with the clevis pin hole in the hitch.



Figure 7: Snow Plow Mounted in Front Hitch



Figure 8: Clevis Pins and Hair Pin Retainer

- 2- Insert the clevis pin to captivate the plow into the receiver. Insert the hair pin retainer in the clevis pin to lock it in.



Figure 9: Clevis Pins and Hair Pin Retainer



- 3- Lay in the main snow plow harness on the front passenger side frame. Route the two connectors through the passenger side frame bracket as shown.

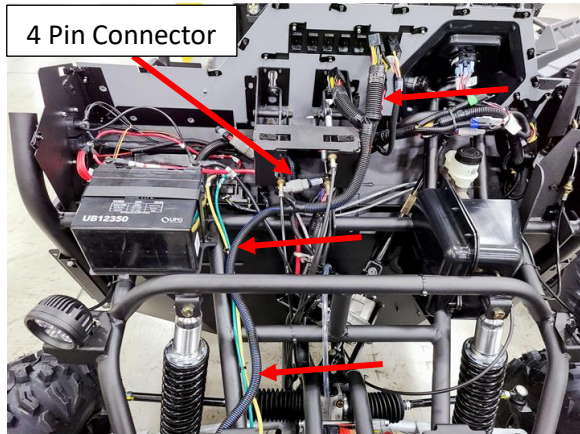


Figure 10: Snow Plow Harness Laid on the Frame

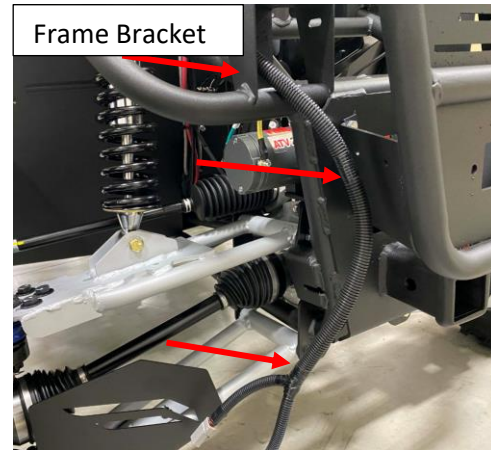


Figure 11: Harness Routed Down to Front Bumper

- 4- Orient the harness such that the gray four pin connector ends immediately behind the central area of the instrument panel. Connect the 4 pin snow plow connector to either of the gray 4 pin connectors on the instrument panel harness. One of the connectors may already be occupied by the winch or bed lift connector. You can only install two of the three features between Snow Plow, Bed Lift and Winch. If you do not have an open gray 4 pin connector, call American Landmaster Customer Service for a solution.

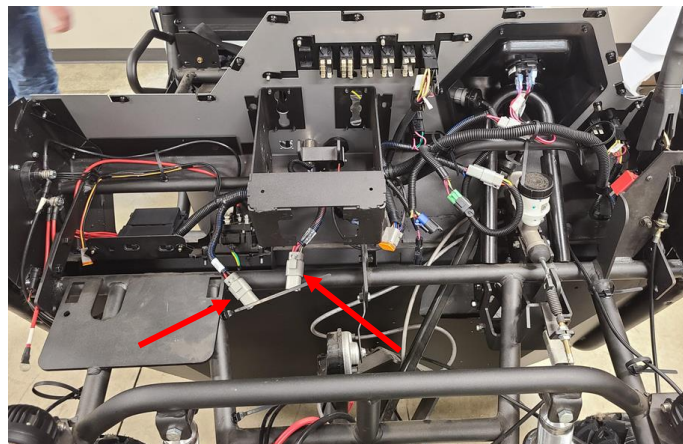


Figure 12: Locating an open Gray 4 Pin IP Harness Connector

- 5- Place the black switch connectors near where the rocker switches are mounted on the instrument panel.
6- Connect each switch to the respective harness connector. Note the plow labels on the harness near the switch connectors.

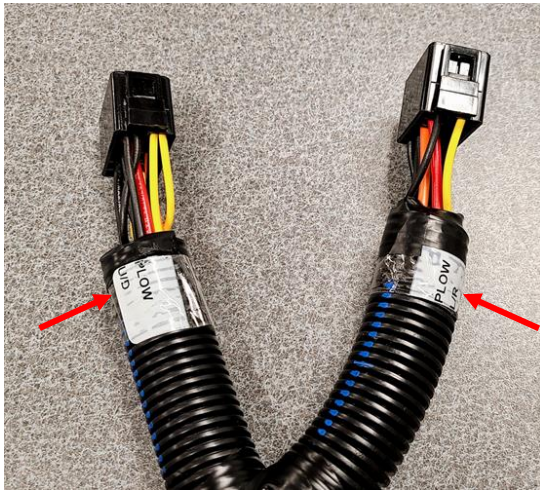


Figure 13: Switch Connector Labels



Figure 14: Harness Connectors Mated to the Switches

- 7- Be sure to install the switch in the correct orientation. Line up the hook on the switch with the latch on the harness connector. The hook is on the bottom side of the switch. Place one hand on the front of the switch while installing the harness connector on the rear. A rocking motion will make installing the harness connector easier. Ensure that the connector is lined up with the switch and do not bend the switch pins. Do not force the connection. Push the harness connector onto the switch until the two meet with no gap between them.

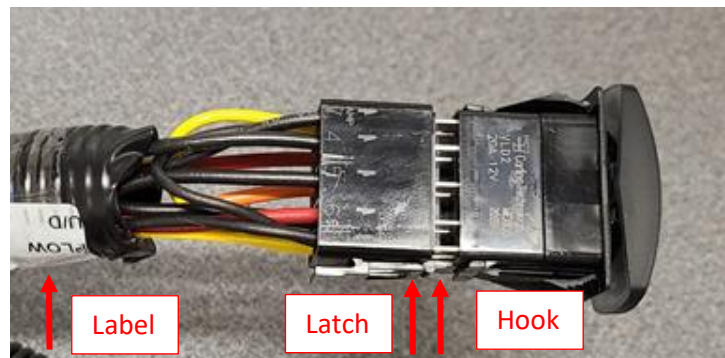


Figure 15: Ensuring Switch Orientation with the Harness Connector

- 8- On the other end of the harness, connect the gray and black 2 way connectors to the respective gray and black connectors on the snow plow motors. Gray connector is on the upper motor. Black on the bottom.



Figure 16: Upper Gray Motor Connector Mated



Figure 17: Lower Black Motor Connector Mated

- 9- Once all connections are made, tie wrap the main harness to the frame about every 12 inches from end to end. Be sure to tie wrap up the harness near the snow plow motors to prevent damage while moving snow. Cut off the extra tail lengths on the tie wraps.

Storage Cap Installation:

A method to store and seal the plow motor connectors is provided when the plow is removed for summer operation. It is important to stow the harness and connectors to prevent damage and corrosion when not connected to the plow. In the kit there are two connector caps. There are two versions that may be present in the kit.

Early versions have two connector caps with a separate retention plate for each cap. Insert the #10 screws through the plates and the holes in the bumper that are present and tighten with the nuts provided using an 1/8" Allen Wrench and a pliers. The plate should be oriented with the screw hole at the bottom. The plate should be mounted with the beveled edge facing outward as shown.



Figure 18: Connector Cap Plates Installed



Figure 19: Bumper with Caps Installed



Figure 20: Plow Harness Stowed

Slide the cap back on the plate until it latches. The screw head will be covered by the cap if properly installed. The second version is a single piece cap with a mounting hole. Merely attach a screw through the mounting hole to the bumper and tighten it down.



In both cases make sure the cap opening are pointing straight down. Tie wrap up the extra length of harness for safety. When ready to reuse the harness with the plow, depress and hold the connector tab and pull the connector out of the cap and attach to the plow. DO NOT PULL ON THE WIRES WHEN DISCONNECTING THE CONNECTOR FROM THE CAP.



Figure 21: Separate Mounting Plate with Sealing Cap

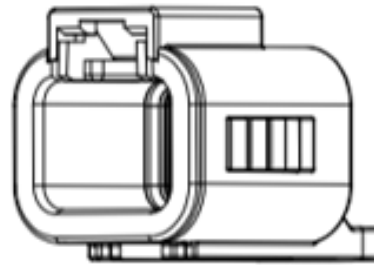


Figure 22: Single Piece Sealing Cap

Testing the Snow Plow



Figure 23: Completed Snow Plow Ready to Test

- 1- Turn ON the ignition key to test the switch backlight. The snow plow feature itself is battery operated.
- 2- With the ignition key ON, turn on the headlights. Verify that the two new snow plow switch back lights illuminate.
- 3- Press the snow plow UP switch, the snow plow should raise while the switch is depressed.
- 4- Press the snow plow DOWN switch, the snow plow should lower while the switch is depressed.
- 5- Press the snow plow RIGHT switch, the snow plow should move to the right while the switch is depressed.
- 6- Press the snow plow LEFT switch, the snow plow should move to the left while the switch is depressed.

Re-assembly:

- 1- Reinstall the hood. Be sure to hook up the front turn signal lamps if equipped.
- 2- Reinstall the windshield, if equipped.