

## 18930-R USB Charger

### 19147 – USB Installation Guide

**SPECIAL REQUIREMENTS:** Used on both Standard Cab & Crew Cab

TOOLS REQUIRED		ESTIMATED INSTALL TIME	RECOMMENDED SKILL LEVEL
4 mm Allen Wrench	Channel Locks Pliers	1 Hour	Intermediate
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) USB Charger                      (2) Tie Wraps



Fig 1 – Kit contents – USB Charger

### ASSEMBLY INSTRUCTIONS:

Instructional video: In Process

**Preliminary Dis-assembly instructions:**

- 1- Remove windshield, if equipped.
- 2- 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

- 3- 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



## USB Charger Installation:

- 1- Locate the 2 pin gray USB connector in the instrument panel harness. It is located in central area of the rear instrument panel area. You may have to cut some tie wraps to find it. **BE CAREFUL NOT TO CUT ANY HARNESS WIRES.**
- 2- Remove the two pin connector cap by depressing and holding it depressed to remove it from the instrument panel harness. **DO NOT REMOVE THE CAP BY PULLING ON THE WIRES.** Only pull apart with a hand on each of the connector halves.

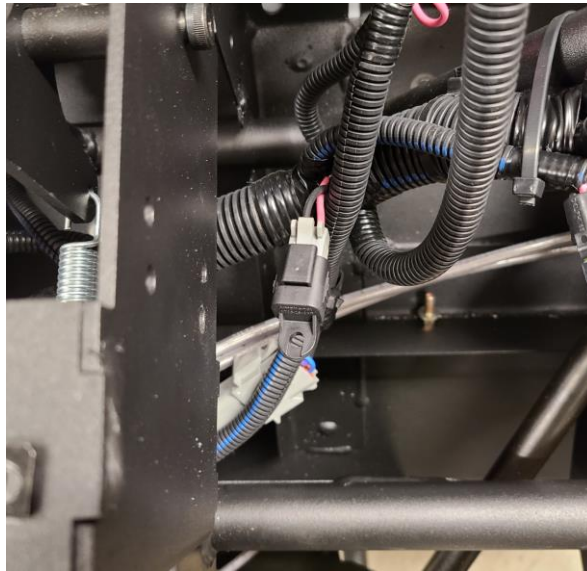


Figure 5: USB Connector on Instrument Panel Harness

6. Remove the rubber plug from the left most hole on the instrument panel. Lift an edge on the front and pry out with a flat screwdriver. Do not scratch the paint.



Figure 6: Remove the USB Plug

6. Remove the retaining nut from the USB charger.
7. Feed the USB charger connector and wire harness through the dash panel hole.
8. The hole and USB gasket are keyed. Make sure the USB seats fully onto the dash panel by lining up the keys.



Figure 7: Identifying the USB Keying feature

9. Install the retaining nut back onto the USB charger while it is installed in the dash panel.

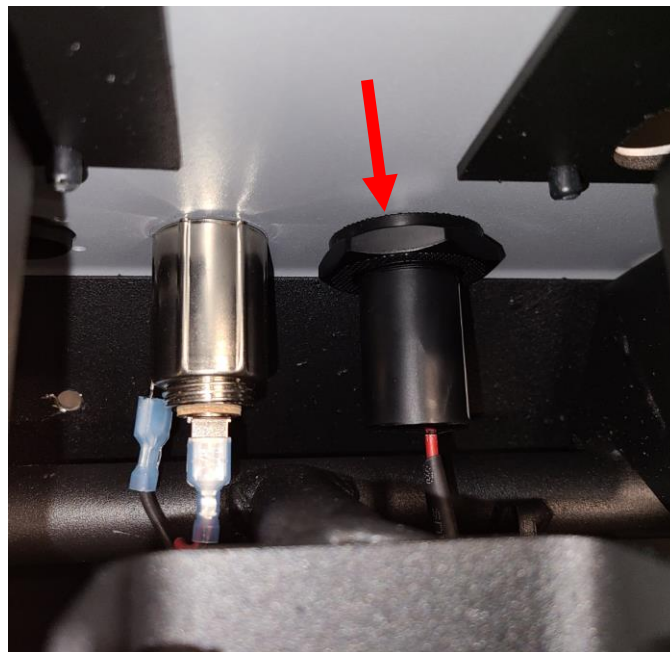


Figure 8: USB installed on the panel and retained with plastic nut



10. Ensure the USB orientation of the cap is hanging straight down when open. Tighten nut with a channel locks.



Figure 9: Setting orientation of the weather cap



Figure 10: USB cap sealed

11. Reinstall the weather cap on the charger to seal up the unit.
12. Keep cap installed when USB is not in use.
13. Connect the USB two pin connector to the instrument panel two pin harness connector.



Figure 11: USB Power Connector hooked up

14. Tie wrap the extra USB harness to the instrument panel harness.
15. Trim off the extra tails of the tie wraps with the wire cutters.



### Testing the USB:

- 1- Turn on the Ignition key to the RUN position. Key must be ON for charger to operate.
- 2- Connect a smartphone or tablet device to the USB output connector. Functions with Android and iPhone products.
- 3- Verify the phone indicates that it is charging.
- 4- This USB provides standard charging rates and does not support fast charging algorithms.

### Finalizing the Installation:

- 1- Reinstall the black Instrument Panel Cover.
- 2- Reinstall the hood. Hook up front turn signal lamps, if equipped.
- 3- Reinstall the windshield, if equipped.