



WINCH CONTROLLER MOUNT

FOR WARN 9.5 XPS & ZEON 10

AEVxxxxxxx

Last Updated: 06/16/20

INSTALLATION GUIDE



PLEASE READ BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair.

INCLUDED PARTS	QTY	REQUIRED TOOLS
Controller Mount Bracket	1	Common Hand Tools
Riser Bracket	1	
Wiring Harness	1	
Hardware Pack	1	



I. DISASSEMBLY

1. Disconnect and isolate the negative battery cable.
2. Remove 1 M10 bolt on radiator support and SAVE (fig. 1).
3. Remove 1 M6 bolt on radiator support and SAVE (fig. 1).
4. Un-clip radiator overflow hose (fig. 1).

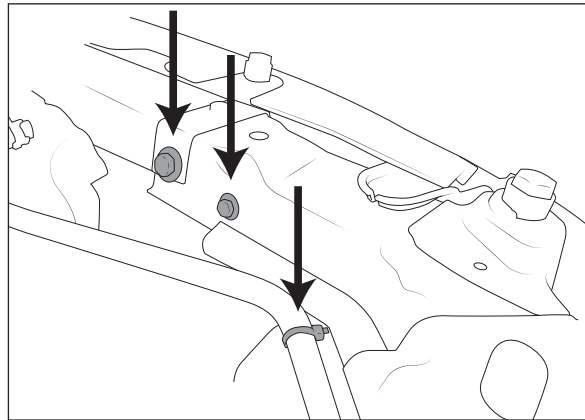


Figure 1

II. CONNECTING AEV WIRING HARNESS

1. Open Warn winch controller by removing QTY 4 bolts on bottom corners of controller (fig. 2).

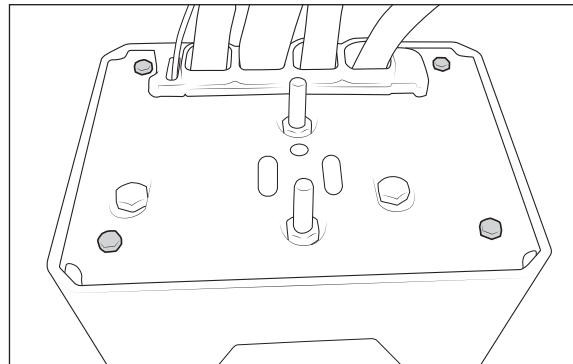


Figure 2

2. Disconnect the leads labeled A, F1, and F2 and remove the Warn harness from the controller (fig. 3).

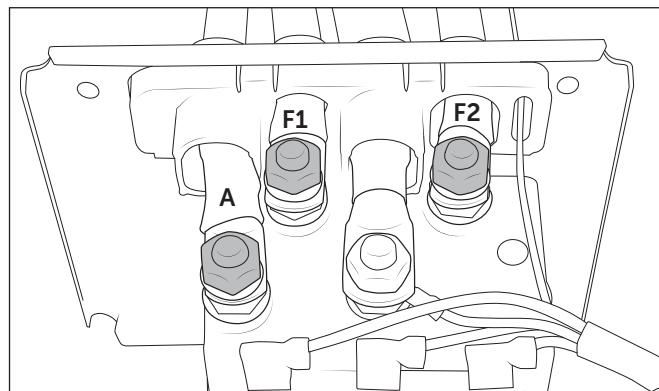


Figure 3



3. Route AEV harness through the AEV bracket and into the controller through the same openings the Warn harness was removed from.
4. Connect AEV leads. **Yellow = A, Green = F1, Blue = F2**
5. Isolate the small black motor ground wire inside the controller. Cut and splice in the new motor ground wire from the AEV harness. **NOTE: Make sure the splice will be located within the winch controller enclosure when reassembled.**
6. If using a Warn 9.5 xps winch, mount the controller to the bracket as shown using QTY 2 flange nuts provided. (fig. 4).

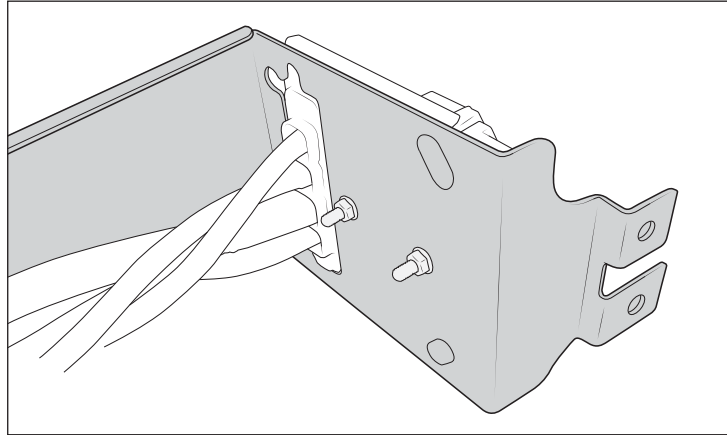


Figure 4

7. If using a Warn Zeon-10 you will need to use the additional riser bracket (fig. 5).

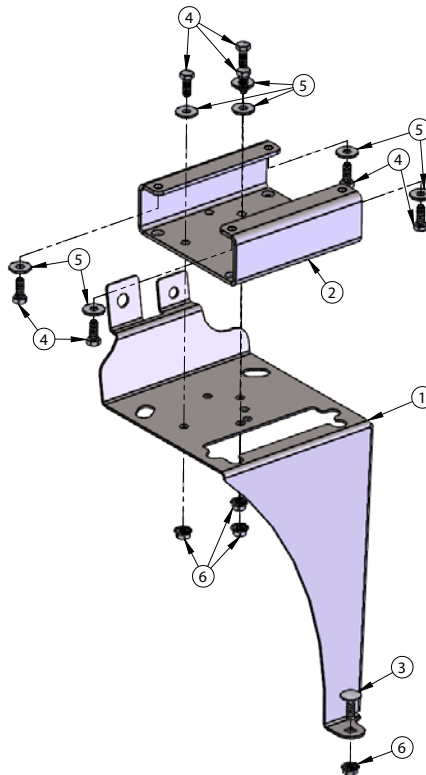


Figure 5



8. Reinstall QTY 4 bolts to reassemble controller housing.

III. WINCH INSTALLATION

1. Set bracket into place in front of the airbox.
2. Position the controller bracket in place and loosely install the radiator support bolts removed earlier (fig. 6).

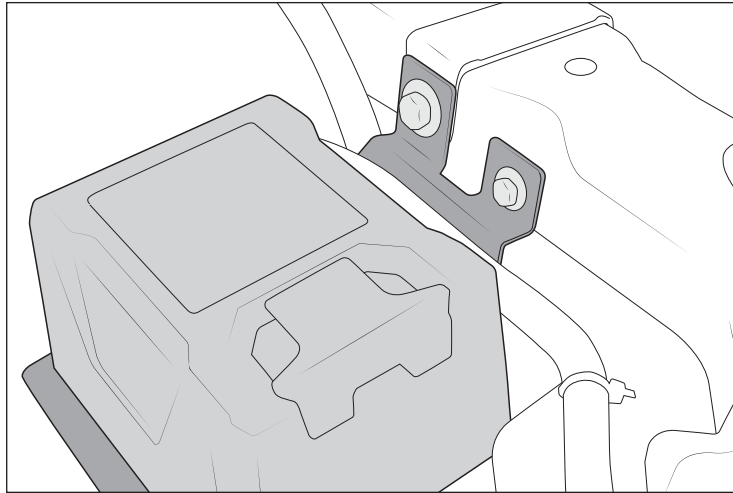


Figure 6

3. Install supplied bolt through the tab at the bottom of the bracket into the existing hole shown and secure with supplied flange nut (fig. 7). NOTE: Some vehicles may have plastic clip that will need to be removed.

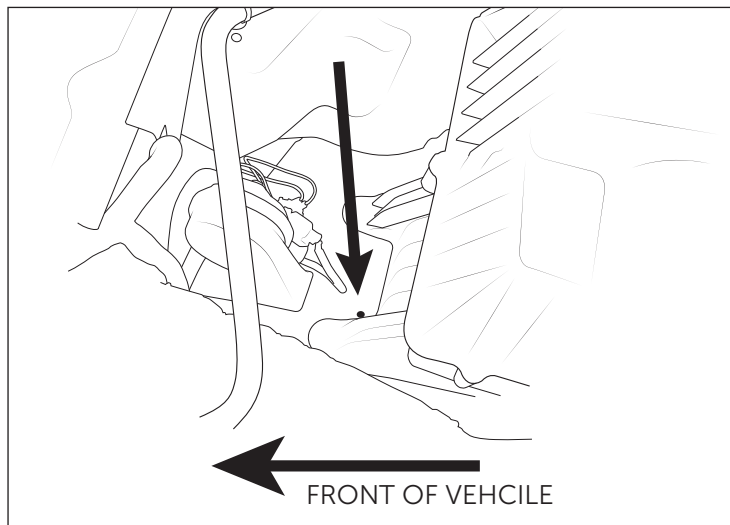


Figure 7

4. Route motor leads between the radiator shroud and inner frame rail, then through the gap between the radiator and the lower radiator support.



5. Run the positive cable across the front of the vehicle. Detach the radiator supports to run the loom underneath as shown (fig. 8) then reinstall fasteners.

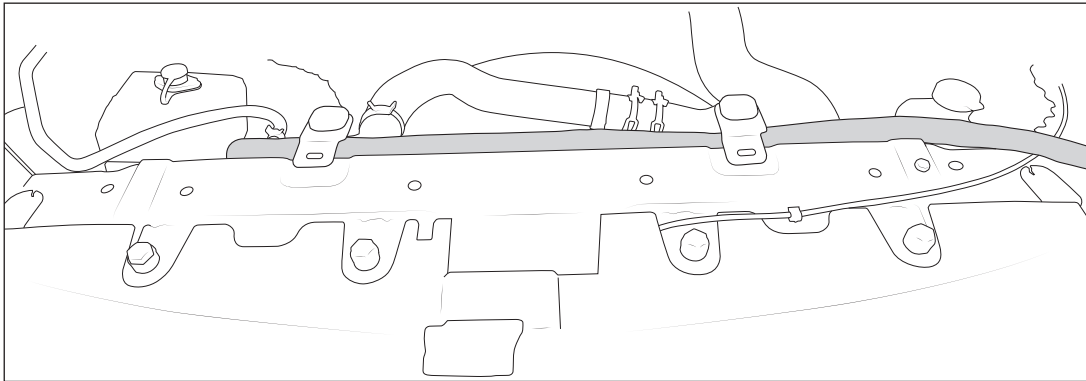


Figure 8

6. Remove ground cable from winch motor and route through the bottom of the engine bay in location shown (fig. 9).

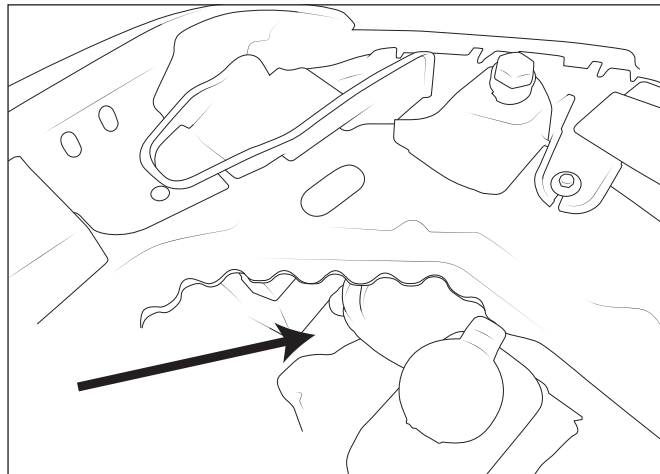


Figure 9

7. Route the battery leads toward the battery. **DO NOT** hook up at this time.