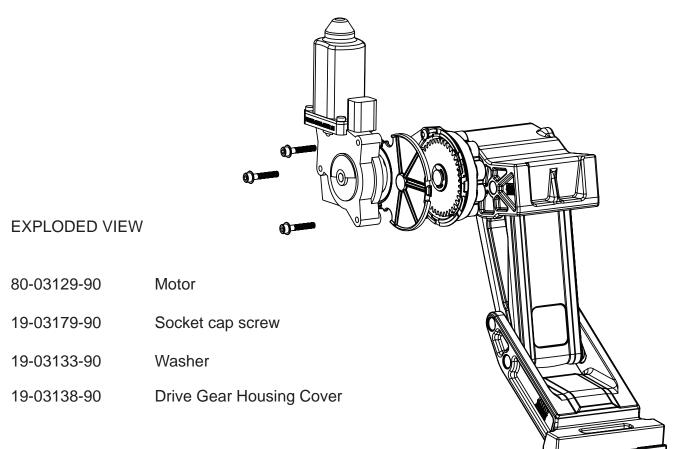


AMP RESEARCH POWERSTEP[™] - Ram Mega Cab

INSTALLATION GUIDE

Attaching motor to Linkage assembly.



CAUTION: HANDLE WITH CARE.

To ensure our customers receive all components with full integrity, we pack the motors separate from their linkage assemblies. This requires that the installer position and fasten the motor before continuing with the install. Please follow the instructions below and handle the assembly carefully.

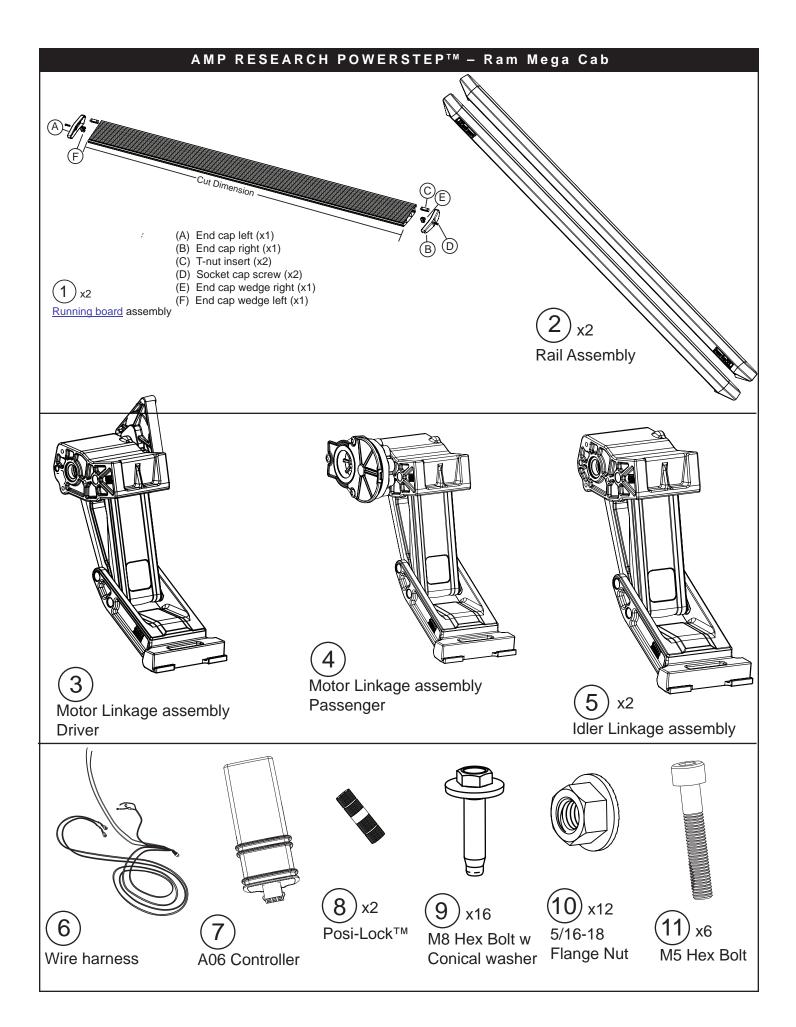
CAUTION: Dropping the assembly or any excessive impact MAY cause damage to the motor.

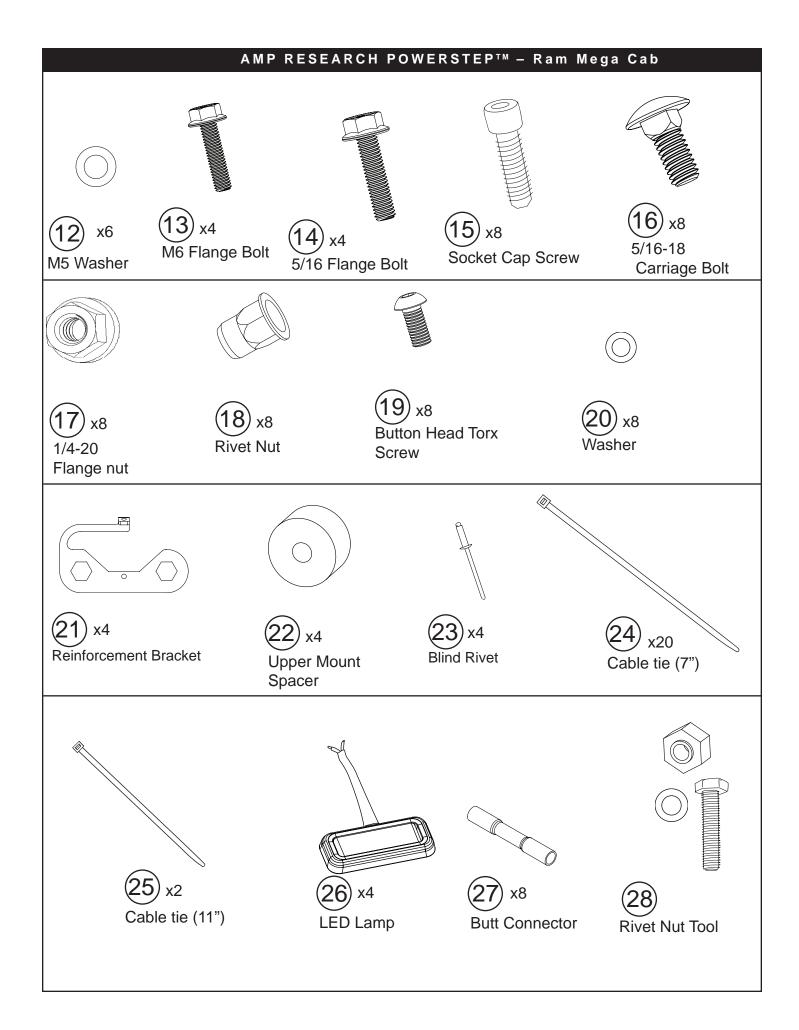
Instructions:

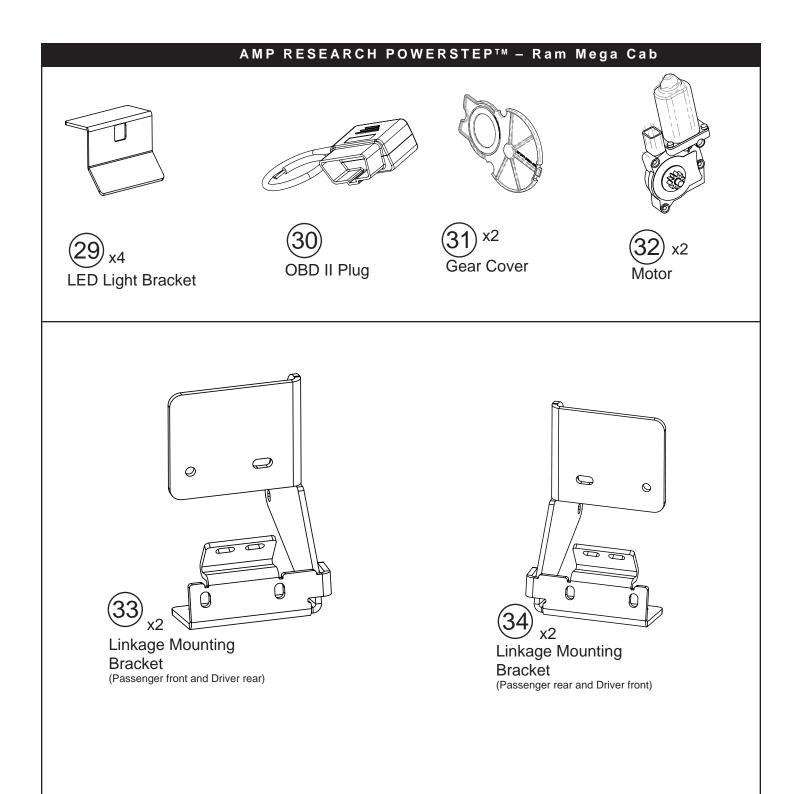
1. Position the gear cover in place as shown if not already in place.

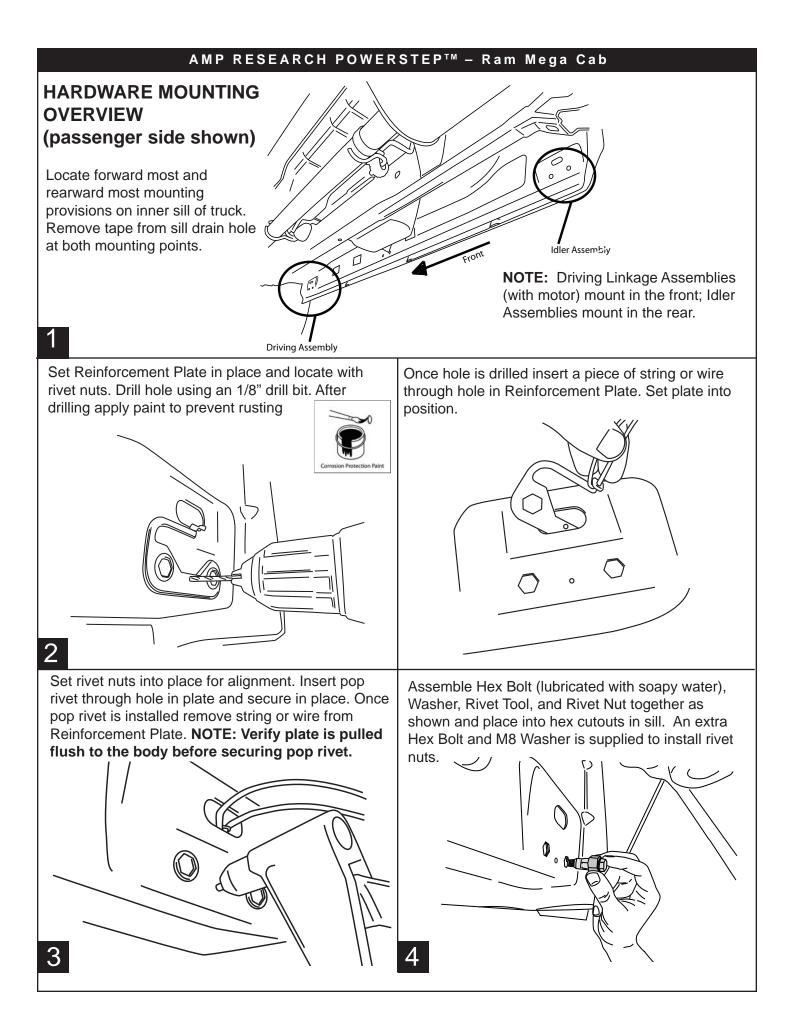
2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.

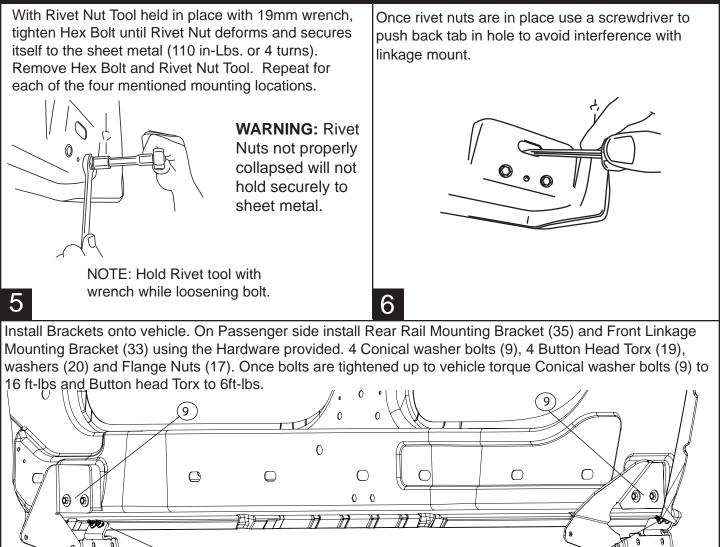
3. After seating into place, fasten the motor with the three motor mount screws with 4mm Hex Head. Tighten screws to 36 in-lbs (4N-m). **Do not over torque.**







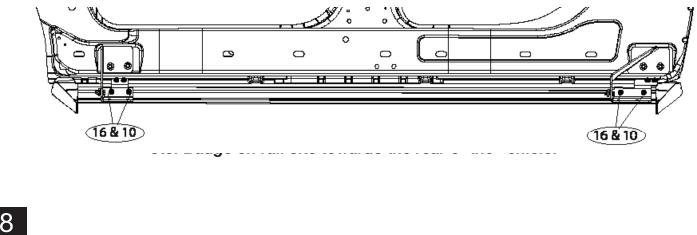




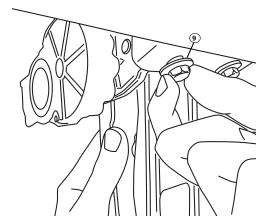
17,19&20

Insert and position Carriage bolts (16) into slot on rail (4). Insert from either end of rail. Using Flange Nuts (17) provided assemble rail to Brackets onto the rail. Next install Flange Bolt (14) and Flange Nut (10) onto bracket tab. Driver side shown. Dimensions shown are for reference. Torque flange nuts to 16ft-lbs.

(17,19&20

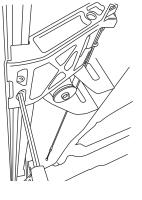


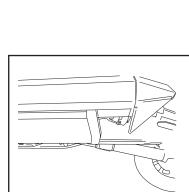
Thread supplied bolts 2x (9) into Front Drive Linkage. Repeat step for Rear Idler Linkage. Do not tighten.



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Slide mounting T-nut into position, Center board in rail pocket. Tighten fasteners to 10 ft-lbs.



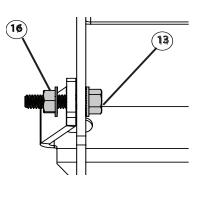


12

to

11

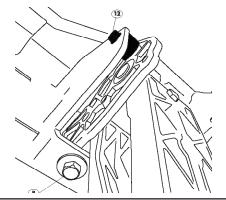
Once linkages are tightened to the bracket tighten bracket tab Flange bolt (14) and Nut (17). Torque 16 ft-Lbs.



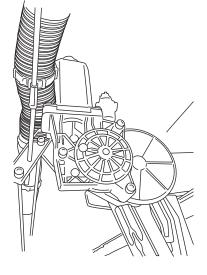
Install provided spacer (17) and M6 bolt (12) into upper mount as shown on both the Drive and Idler linkages. Do not tighten.



Using a 13mm socket Torque linkage bolts 4x (9) from step 3 to 16 ft-lbs. Next use a 10mm socket, torque linkage spacer bolt 2x (13) from step 6 to 8 ft-lbs. Once linkages are tight cycle board to verify steps deploy under own weight.



Attach motor to linkage. Using a 4mm hex Torque to 36 in-Lbs.



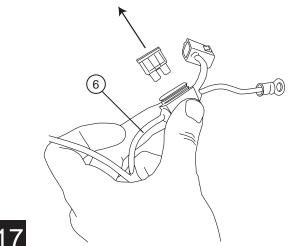
13

AMP RESEARCH POWERSTEP[™] - Ram Mega Cab

Prepare large tie-wraps for mounting Power Step Controller. Loosely loop tie-wraps around large bundle of wires behind battery in engine compartment.

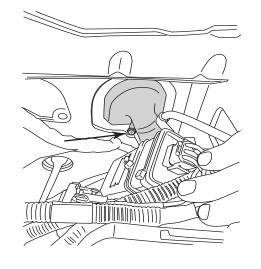
15

Remove fuse from Power Step Wire Harness.

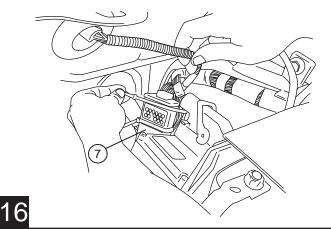


17

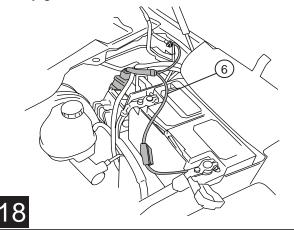
Locate large rubber wire boot on driver side firewall as shown below. Slice small opening as shown below to run trigger wires through.



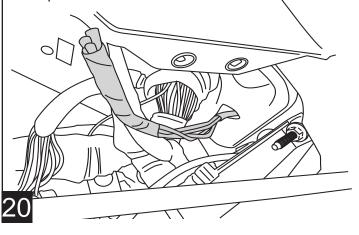
Insert controller into tie-wrap loops and cinch down securely. The tie-wraps should cinch down into channels on controller surface.



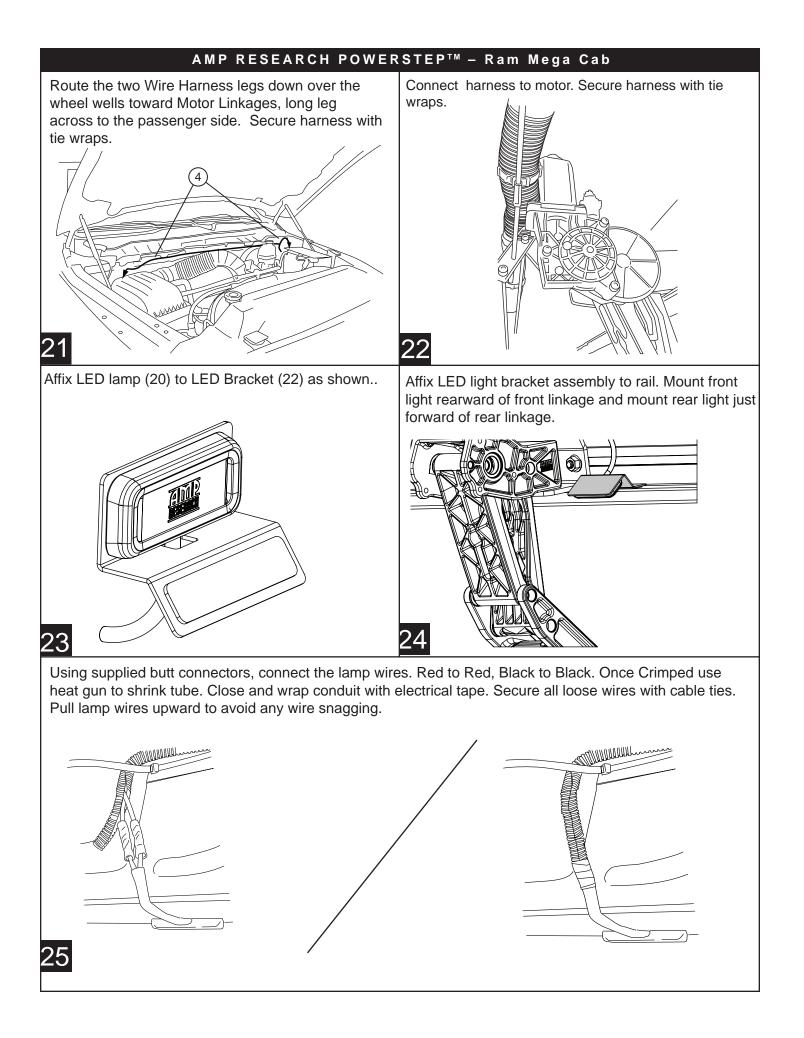
Connect power leads from Controller, Red to positive battery terminal and Black to the vehicle body ground as shown.



Tape leading end of wires together and push through rubber boot to cabin side of the firewall. Silicon lubricant may be used for ease of passage. The trigger wires will come out just above and to the left of the brake pedal.

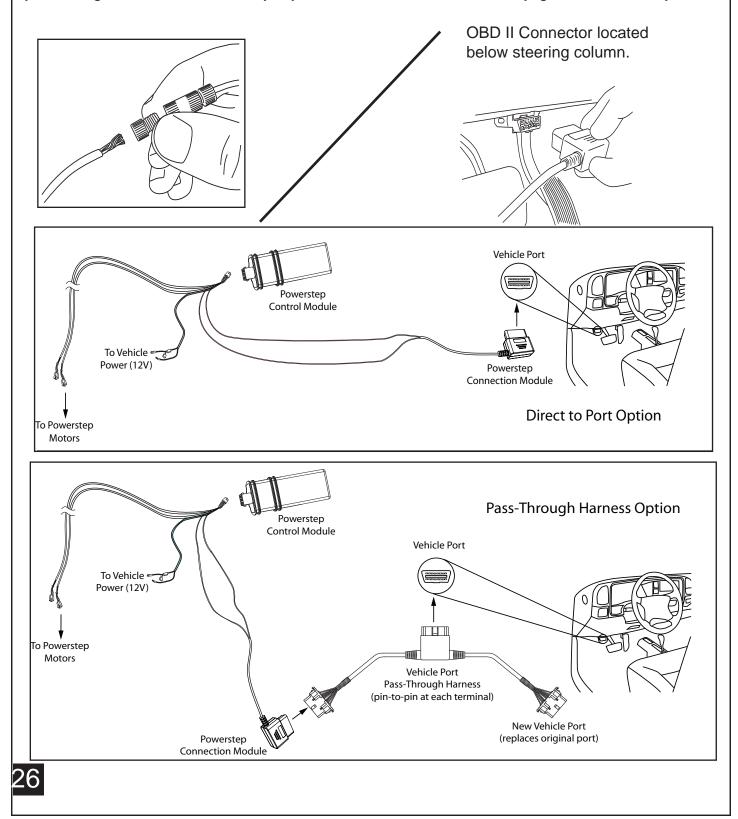


19

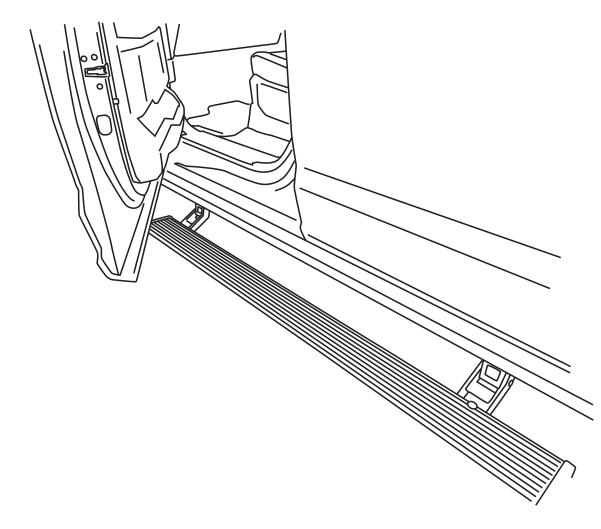


OBD II install: Use Supplied Posi Twist connectors to attach the Plug and Play Module to the Harness. Attach matching colors on the harness to the wires on the module. Plug in module to OBD II port on the vehicle. Secure harness with supplied tie wraps.

Note: If the OBD II pass thru harness (76404-01A) was purchased see install sheet supplied in packaging. The pass through harness allows for an open port for other accessories. See next page for a brief description.



Check that all doors activate the Power Step and the LED Lights work when doors open and close. Reinstall any remaining trim panels.



FINAL SYSTEM CHECK

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Check that all doors activate the PowerStep and the LED lights work when doors open and close. **NORMAL OPERATION:** When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. **Note that** *there is a 2-second delay before the PowerStep returns to the stowed/retracted position.* **CORRECT OPERATION OF LIGHTS:** All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reillumintated by closing and opening any door of vehicle.