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# INSTALLATION GUIDE

Attaching motor to Linkage assembly. To be assembled in Step 6.

#### EXPLODED VIEW

- Motor
- Socket cap screw
- Washer
- Drive Gear Housing Cover

## CAUTION: HANDLE WITH CARE.

# The motor must be put on in Step 6 after the linkage is tightened to the body of the vehicle.

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.

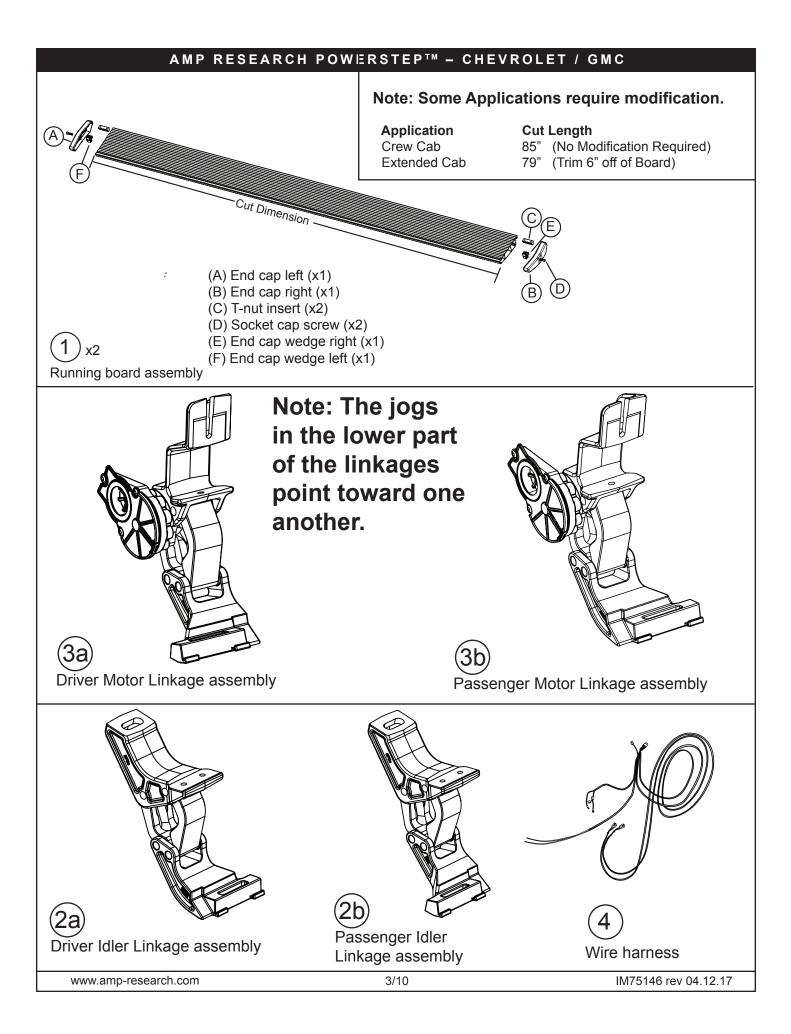
Instructions:

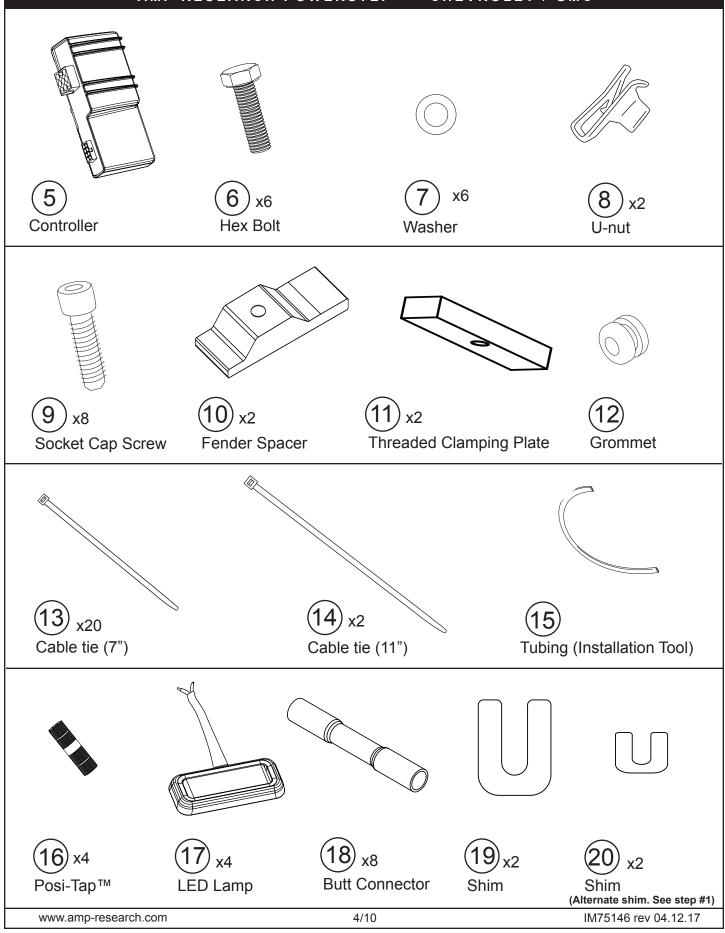
1. Position the gear cover in place as shown if not already in place.

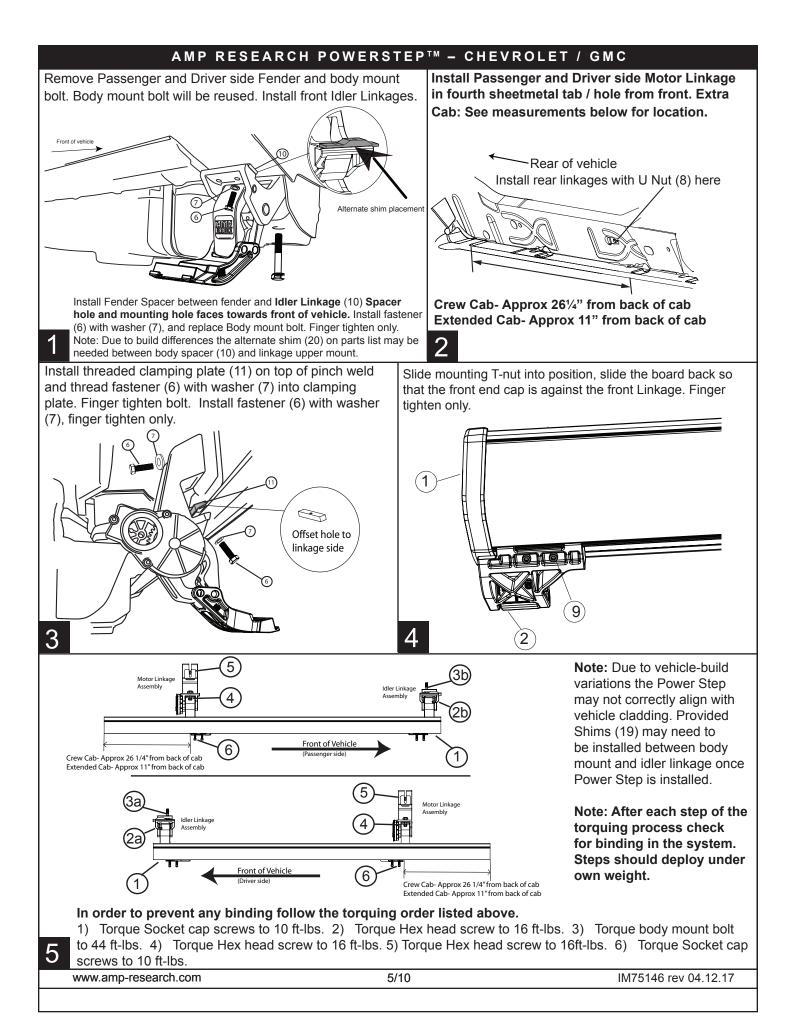
2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.

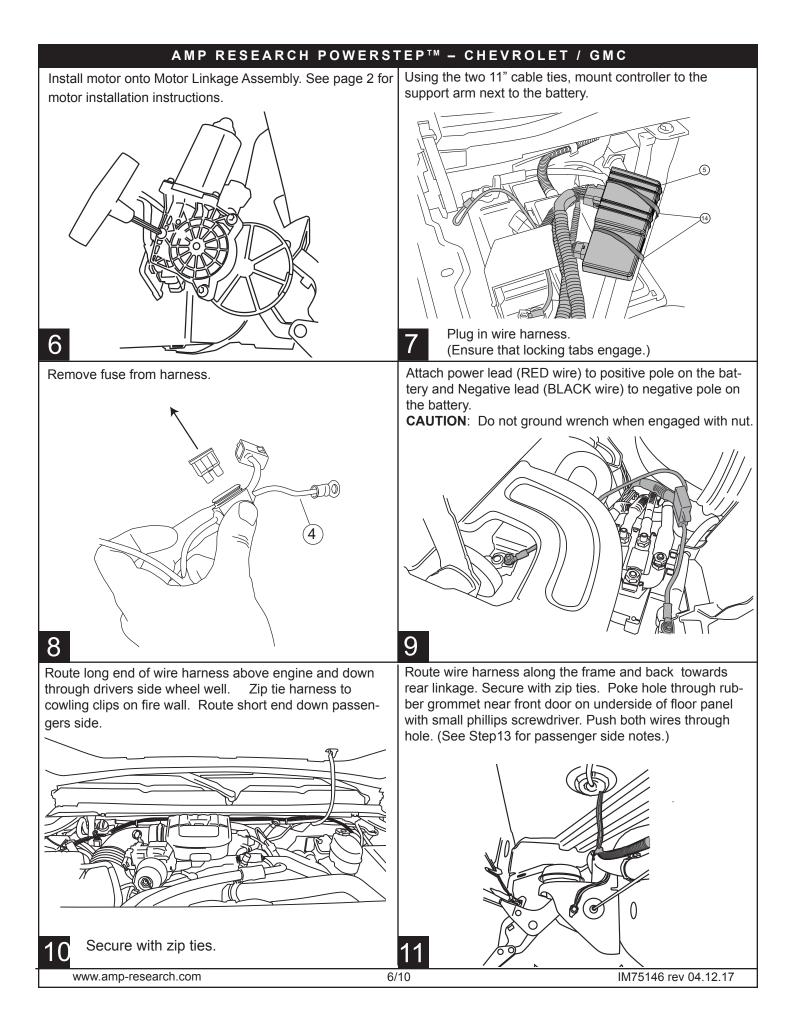
3. After seating into place, fasten the motor with the three motor mount screws with 4mm Hex Head. Tighten screws to 36 in-lbs (4N-m). **Do not over torque.** 

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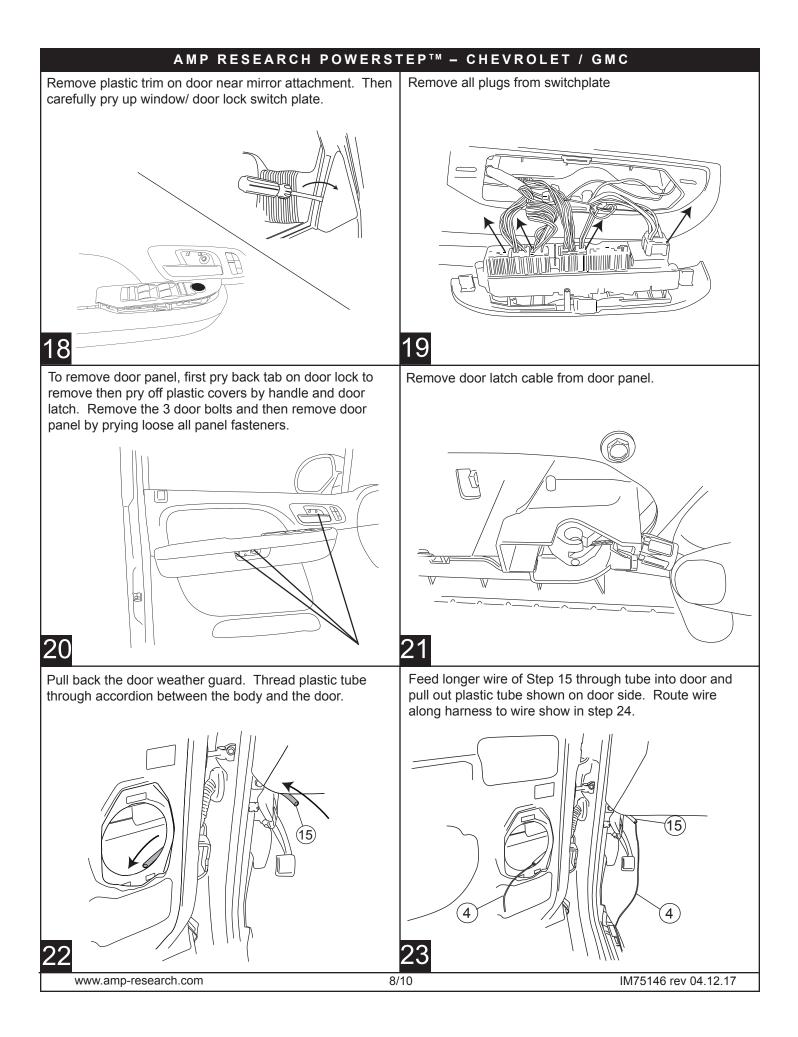






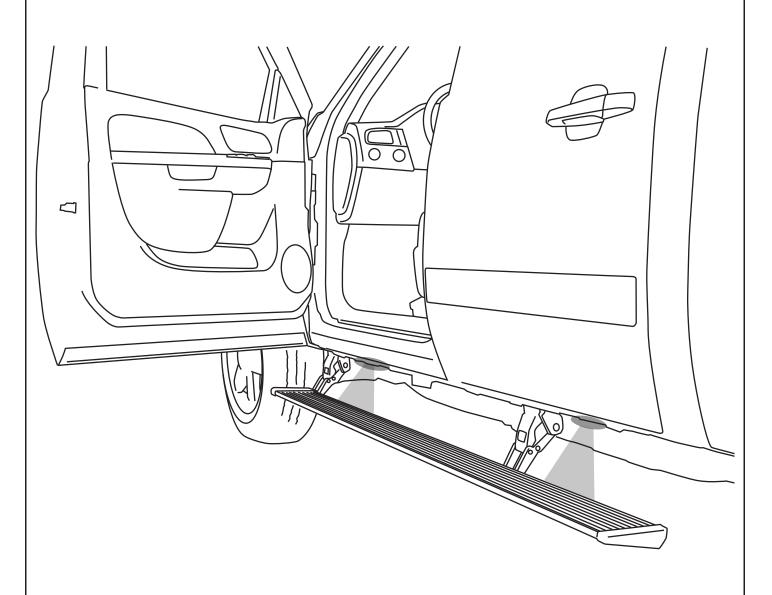


# AMP RESEARCH POWERSTEP™ - CHEVROLET / GMC IMPORTANT: Step 15 and 16 are for Crew Cab trucks only. (Not used on Extended Cab Trucks) (Light Blue and Green wires are only used with Crew Cab trucks.) Pull up the carpet and thread both wires through the floor Pop off the threshold cover with screwdriver and remove panel See step 14 for passenger side the kick panel. Repeat step on passenger side. 4 Seal holes with silicone glue and cover with tape so 12 13 carpet does not stick to glue. Pull up carpet and drill a 9/32" hole in floor and add rubber Crew Cab Only (Rear Doors) - Carefully remove wire Caution: Do not drill through DEF tank grommet) wrap and find LIGHT BLUE wire with BLACK STRIPE. On when drilling hole. passenger side find GREEN wire with BLACK STRIPE. For all vehicles except Crew Cabs skip to step 18. The wire is located rear of the "T" junction where wires cross under the front seat. 15 Crew Cab Only. Using supplied Posi-Tap™ Posi-Tap<sup>™</sup> instructions connector, splice shorter trigger wire into wire found in Step 15. Otherwise tape off short wire. Insert Tighten 4 16) Insert and Strip 3/8" Tighten 6 www.amp-research.com 7/10 IM75146 rev 04.12.17



Locate loom that runs across the top of the door panel. On each side of the vehicle measure from the front edge Carefully remove wire wrap and locate the following wires of door line on the pinch weld to the specified lengths on either side. Drivers side: Grey / Black wire Passenger below. Measure at 22" for front LED Light and 65" for rear side: Tan / White wire Caution: Zip tie trigger wires to LED Light. avoid being hung up in window linkage. 16 25 Affix lamp to rocker panel surface. Make sure the lamp Using supplied butt connectors, connect the lamp wires. is affixed to a clean, flat surface. There is a step down Red to Red, Black to Black.Once Crimped use heat gun midway across the surface. Affix lamp just outside of step to shrink tube. down. 26 Close and wrap with conduit and electrical tape. Secure all Reinstall fuse. loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging. 28 IM75146 rev 04.12.17 www.amp-research.com 9/10

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

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.

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# RESERRCH POWEr Step

#### Congratulations on your purchase of the genuine AMP Research PowerStep! Here's what you should know...

**POWER-DEPLOYABLE RUNNING BOARDS OPERATION:** AMP Research PowerStep running boards automatically move when the doors are opened to assist entering and exiting the vehicle.



#### Automatic power deploy:

The running boards will extend down and out when the doors are opened.

#### Automatic power stow:

The running boards will return to the stowed position when the doors are closed. There will be a 2-second delay before the running boards move to the stowed position.

#### Automatic stop:

If an object is in the way of the moving running board, the running board will automatically stop. To reset, clear any obstruction, then simply open and close the door to resume normal operation.



#### Manually set in the deployed (OUT) position for access to the roof:

The running boards can be manually set in the deployed position by firmly holding the step down with your foot while at the same time closing the door. To resume normal operation, open and close the door.



**Maintenance:** In adverse conditions, debris such as mud, dirt, and salt may become trapped in the running board mechanism, possibly leading to unwanted noise. If this occurs, manually set the running boards to the deployed position and flush the front and rear hinge arms with a high-pressure car wash wand. <u>Avoid spraying the motors directly.</u> After washing, apply silicone spray lubricant to the hinge pivot pins. Do not apply silicone, wax or protectants like Armor All<sup>®</sup> to the running board stepping surface.

**Caution!** Keep hands away when the running board is in motion.

#### **5-YEAR LIMITED WARRANTY**

AMP RESEARCH warrants this product to be free from defects in material and workmanship for FIVE (5) YEARS FROM DATE OF PURCHASE, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair replacement of the product itself, or the repair or replacement of any component part thereof, found by the factory to be defective within the time period specified. The decision to repair or replace is wholly within the discretion of the manufacturer.

This warranty specifically excludes labor. If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE CREATED HEREBY ARE LIMITED IN DURATION TO THE SAME DURATION AND SCOPE AS THE EXPRESS WRITTEN WARRANTY. OUR COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

FOR WARRANTY ISSUES WITH THIS PRODUCT PLEASE CALL AMP RESEARCH CUSTOMER SERVICE 1-888-983-2204

#### WARNING

Be sure to read and precisely follow the provided instructions when installing this product. Failure to do so could place the vehicle occupants in a potentially dangerous situation. After installing or reinstalling, re-check to insure that the product is properly installed.