APPLICATION

Chevrolet Silverado 1500 / GMC Sierra 1500 - Crew Cab 2014-2015 | AMP Part # 77154-01A
Chevrolet Silverado 2500/3500 - Crew Cab 2015 | AMP Part # 77154-01A (Gas Only)
GMC Sierra 2500/3500

Note: The application works only on the Crew Cab model Vehicles.

INSTALLATION TIME
3-5 Hours
Professional installation recommended

SKILL LEVEL

1 2 3 4
4 = Experienced

TOOLS REQUIRED
- Safety goggles
- Measuring tape
- Power Drill
- 10 mm socket
- 13 mm socket
- 1/2" socket
- Ratchet wrench and extension
- Wire crimpers
- Wire stripper / cutter
- 3/16" hex key wrench (allen wrench)
- 4mm hex key wrench (allen wrench)
- Electrical tape
- Weather proof caulking (silicone sealer)
- Silicone spray

WARRANTY
5-Year Limited Warranty

AMP RESEARCH TECH SUPPORT 1-888-983-2204 (Press 2) Monday - Friday, 6:00 AM - 5:00 PM PST

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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.**
Running board assembly

- (A) End cap left (x1)
- (B) End cap right (x1)
- (C) T-nut insert (x2)
- (D) Socket cap screw (x2)
- (E) End cap wedge right (x1)
- (F) End cap wedge left (x1)

Motor Linkage assembly

- 2 x2

Idler Linkage assembly

- 3 x2

Rail Assembly

- 4 x2

Wire harness

- 5

A06 Controller

- 6

Posi-Lock™

- 7 x2

M8 Hex Bolt w Conical washer

- 8 x20

M8 Nut w Conical washer

- 9 x6
Socket Cap Screw
4 x 8
9-02640-90
Grommet
8 Cable tie (")
20 x 2
Cable tie (7")

M5 Hex Bolt
10 x 6
M5 Washer
11 x 6
M6 Flange Bolt
12 x 4
M8 U-nut
13 x 6
Socket Cap Screw
14 x 8
5/16-18 Carriage Bolt
15 x 10

5/16-18 Flange nut
16 x 10
Upper Mount Spacer
17 x 4
19-02640-90 Grommet
18 x 4
19 x 20
Cable tie (7”)

LED Lamp
21 x 4
Butt Connector
22 x 8
LED Light Bracket
23 x 4
OBD II Plug
24

Linkage Mounting Bracket
25 x 4
Rail Mounting Bracket
26 x 2
Gear Cover
27 x 2
Motor
28 x 2
Insert and position Carriage bolts (5) into slot on rail (4). Insert from either end of rail. Using Flange Nuts (2) provided assemble Brackets 2x (25) & 1x (26) onto the rail (4). Driver side shown. Dimensions shown are for reference. **Do not tighten this will allow for rail adjustment when mounted onto vehicle.**

**Note: Badge on rail sits towards the rear of the vehicle!**

1. Insert U-Nut in last sheetmetal tab / hole from front.

2. Set rail up into position. Starting with the rear bracket work towards the two front brackets. Attach Bolts 2x (8) and Nut 1x (9). Snug to body do not tighten! **Note: Forward and middle bracket may not need nut if threaded insert is present.**

3. Thread supplied bolts 2x (8) into Rear Drive Linkage. Repeat step for Front Idler Linkage. Do not tighten.

4. Install provided spacer (17) and M6 bolt (12) into upper mount as shown on both the Drive and Idler linkages. Do not tighten.
Slide mounting T-nut into position, Center board in rail pocket. Tighten fasteners to 10 ft-lbs.

Using a 3mm socket Torque linkage bolts 4x (8) from step 5 to 16 ft-lbs. Next use a 10mm socket, torque linkage spacer bolt 2x (2) from step 6 to 8 ft-lbs.

Verify rail clearance at front fender trim and push upwards on rail to ensure rail is snug to the bottom of the linkage mounting bracket. Using a 1/2" socket start at the rear of vehicle and work forward. Torque 5 flange nuts (16) to 16ft-lbs.

A: Using a 13mm socket tighten 3 bolts along pinch weld first. Torque to 16ft-lbs.
B: Next torque 3 upper sill bolts to 16ft-lbs.
Attach motor to harness. Using a 4mm hex Torque to 36 in-Lbs.

Route long end of wire harness above engine and down through drivers side wheel well. Zip tie harness to cowling clips on fire wall. Route short end down passengers side.

Pull up front door sill plate covers as shown.

Route wire harness along the frame and back towards rear linkages. Secure with zip ties. Push both wires through rubber grommets.

NOTE: Seal holes with silicone glue and cover with tape so carpet does not stick to glue.

Affix LED lamp (21) to LED Bracket (23) as shown.

Affix LED light bracket assembly to rail. Mount front light rearward of front linkage and mount rear light just forward of rear linkage.
Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black. Once crimped use heat gun to shrink tube. Close and wrap conduit with electrical tape. Secure all loose wires with cable ties. Pull lamp wires upward to avoid any wire snagging.

Connect harness to motor. Secure harness with tie wraps.

**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.*
Pass-Through Harness Option

- Vehicle Port
- Vehicle Port Pass-Through Harness (pin-to-pin at each terminal)
- New Vehicle Port (replaces original port)

To Powerstep Motors

To Vehicle Power (12V)

Powerstep Control Module

Powerstep Connection Module

To Powerstep Motors

To Vehicle Power (12V)

Vehicle Port

New Vehicle Port (replices original port)
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 reilluminated by closing and opening any door of vehicle.
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. Avoid spraying the motors directly. After washing, apply silicone spray lubricant to the hinge pivot pins. Do not apply silicone, wax or protectants like Armor All® 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.