## INSTALLATION GUIDE

### APPLICATION

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>MODEL YR</th>
<th>PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevy Tahoe / GMC Yukon / Cadillac Escalade</td>
<td>2007 - up</td>
<td>75125-01A</td>
</tr>
<tr>
<td>Chevy Suburban / GMC Yukon XL / Escalade ESV</td>
<td>2007 - up</td>
<td>75125-01A</td>
</tr>
<tr>
<td>Chevy Avalanche / Escalade EXT</td>
<td>2007 - up</td>
<td>75125-01A</td>
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*Modification required to running board assembly. See Item 1 on page 2.

### INSTALLATION TIME

3-5 Hours

Professional installation recommended

### SKILL LEVEL

- 1
- 2
- 3
- 4

4= Experienced

### TOOLS REQUIRED

- Safety goggles
- Measuring tape
- Flat blade screwdriver
- Phillips head screwdriver
- Right angle drill
- 9/32" drill bit
- 13 mm socket
- 10 mm socket
- 7 mm socket
- Ratchet wrench and extension
- 13mm end wrench
- Wire stripper / cutter
- Pliers
- Corrosion inhibiter
- 3/16" hex key wrench (allen wrench)
- 5mm hex key wrench (allen wrench)
- Electrical tape
- Weather proof caulking (silicone sealer)
Note: Some Applications require modification.

<table>
<thead>
<tr>
<th>Application</th>
<th>Cut Length</th>
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<tbody>
<tr>
<td>Suburban, Yukon XL, Avalanche,</td>
<td>79” (No Modification Required)</td>
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<tr>
<td>Escalade EXT/ESV</td>
<td></td>
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<tr>
<td>Tahoe, Yukon, Escalade</td>
<td>72” (Trim 7”)</td>
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</tbody>
</table>

1. Running board assembly

(A) 19-03763-90 End cap left (x1)
(B) 19-03760-90 End cap right (x1)
(C) 19-02663-90 T-nut insert (x2)
(D) 19-02802-90 Socket cap screw (x2)
(E) 19-03761-90 End cap wedge right (x1)
(F) 19-03764-90 End cap wedge left (x1)

2. Idler linkage assembly
   - 10-03273-10 x2

3. Motor linkage assembly
   - 10-03272-10 x2

4. Wire harness
   - 19-03348-90L

5. Controller
   - 19-03297-A06

6. Motor
   - 20-03289-93 x2

7. Motor Cover
   - 19-03238-90 x2

8. Rubber
   - 19-03403-90

9. Cinch Fastener
   - 19-02721-90 x6
AMP RESEARCH POWERSTEP™ – GMC / CHEVROLET

- **10** x4 19-02849-90 Hex Bolt
- **11** x4 19-03326-90 Hex Bolt
- **12** x4 19-02389-90 Washer
- **13** x4 10-00115-60 Nylock Nut
- **14** x4 16-02634-90 Button Head Bolt
- **15** x20 19-02805-90 Cable tie (7”)
- **16** x8 19-02802-90 Socket Cap Screw
- **17** 19-02992-90 Tubing (Installation Tool)
- **18** x2 19-03339-90 Cable tie (11”)
- **19** x4 19-03354-90 Posi-Tap™
- **20** 19-02640-90 Grommet
- **21** x4 19-03302-90 LED Lamp
- **22** x8 19-02989-90 Butt Connector
WIRING GUIDE / General Instructions

Posi-Tap™ installation instructions

1. Insert
2. Tighten
3. Strip 3/8"
4. Insert & Tighten
For two or more wires twist.

Posi-Tap™ Patents: 5,228,875; 5,695,369; 5,868,589, 2,708. Other patents pending

CAUTION
- Handle the motor and linkage assemblies with care when installing. Dropping can damage motor.
- Remove fuse from wiring harness during installation. Failure to do so could result in severe electrical shock.
Bolt idler linkage assembly to rearmost mounting tab using an M8 nut and washer (some vehicles may require a M8 x 35 bolt) and a M8x16 Button Head Screw. Install threaded clamping plate (13) on top of pinch weld and thread fastener (14) into clamping plate and finger tighten. Install fastener (12), finger tighten only. Next tighten fastener (14) to 16 ft-lbs. (22N m). Install threaded clamping plate (13) on top of pinch weld and thread fastener (10) into clamping plate and finger tighten. Install fastener (12), finger tighten only. Next tighten fastener (14) to 16 ft-lbs. (22N m).

Slide mounting T-nut into position. Mount board and tighten fasteners to 10 ft-lbs. Align the end of the board with the rear edge of the back door.

Tighten button head fasteners and M8 nuts on driving and idler linkages to 16 ft-lbs.

Using the two 11” cable ties, mount controller to support arm next to battery. Plug in wire harness. (Ensure that locking tabs engage.)

On some vehicles the emergency cable bracket may come in contact with linkage arm. If so, wrap supplied rubber around bracket and secure with two cable ties.

Remove power fuse. Attach power lead (RED wire) to positive pole on the battery. **CAUTION:** Do not ground wrench when engaged with nut.

Attach ground lead to negative battery pole.
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.

Route wire harness along the frame. Secure with zip ties.

Poke hole through rubber grommet near front door on underside of floor panel with small phillips screwdriver. Push both wires through hole. (See Step 11 for passenger side notes.)

Pop off the threshold cover with screwdriver and remove the kick panel. The panel will slide out from under the seat after fasteners give way.

Plug wire harness into motors.

Plug wire harness into motors.

Pull up the carpet and thread both wires through the floor panel (same steps on passenger side EXCEPT drill 9/32” hole in metal and add rubber grommet).

Locate wire loom in door sill. Carefully remove wire wrap and find the trigger wire.

Drivers side: LIGHT BLUE wire with BLACK STRIPE

Passenger side: GREEN wire with BLACK STRIPE. (Locate wire rearward of junction shown in step 13)

Seal holes with silicon glue.

Driver side shown
Using Supplied Posi-Tap™ connector, splice shorter trigger wire into wire found in Step 12.

Remove plastic trim on door near mirror attachment.

Carefully pry up window/door lock switch plate

Remove all plugs from switchplate

To remove door panel, first pry off door lock and plastic covers by handle and door latch. Remove the 3 door bolts and then remove door panel by prying loose all panel fasteners. Repeat on passenger side.

Remove door latch cable from door panel. Repeat on passenger side.
Pull back the door weather guard, unbolt speaker and unplug. Thread plastic tube through accordion. **Repeat on passenger side.**

Feed longer wire of Step 11 through tube into door and pull out plastic tube on door side. Route wire along harness to switchplate.

Locate the brown plug and using supplied Posi-Tap™ connector, splice into trigger wire.

**2007-2008 Vehicles:**
Drivers side: TAN wire- pin #11
Passengers side: LIGHT GREEN wire-pin#11

**2009 & up Vehicles:**
Drivers side: Gry/Blk wire- pin #13
Passenger side: Tan/Wht wire- pin # 13

Insert plug from wire harness onto motor.

Insert plastic push pin rivets in mounting holes of motor cover. Use pliers to ease installation.
Slide motor assembly onto drive shaft and mounting bosses of driving linkage assembly. Use two (10) bolts to bolt motor down. Tighten to 16ft-lbs. Use electrical tape to cover any exposed wire from the motor. On each side of the vehicle measure from the front edge of door line on the pinch weld to the specified lengths below. Measure at 20” for front LED Light and 58” for rear LED Light.

Affix lamp to rocker panel surface. Make sure the lamp is affixed to a clean, flat surface. There is a step down midway across the surface. Affix lamp just outside of step down. Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black.

Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging. Reinstall fuse.
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.