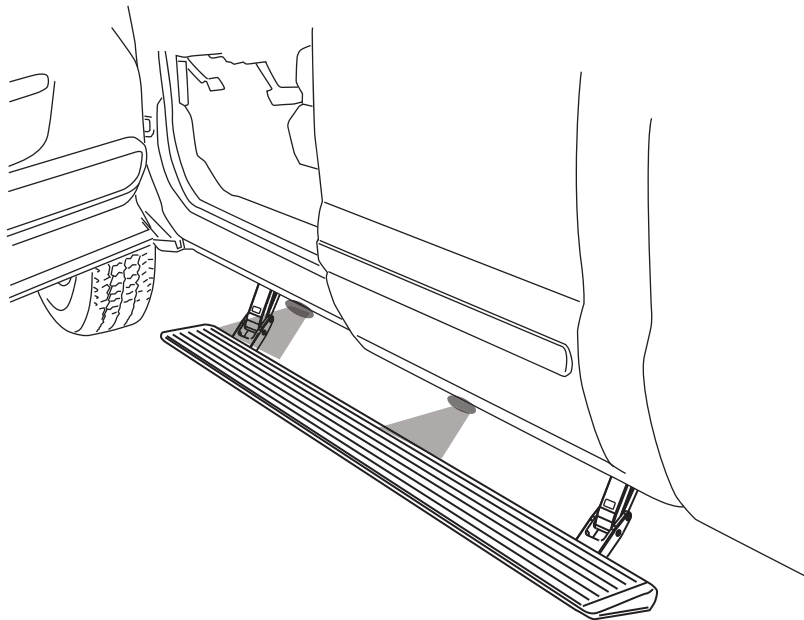


INSTALLATION GUIDE

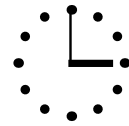
AMP RESEARCH Power Step

MADE IN USA

APPLICATION	LENGTH	MODEL YR	PART #
Ford F-250 / F-350 / F-450 Regular Cab	(48")	2002-2003, 2008 - Current	75134-01A
Ford F-250 / F-350 / F-450 Super Cab	(60")	2002-2003, 2008 - Current	75134-01A
Ford F-250 / F-350 / F-450 Crew Cab	(79")	2002-2003, 2008 - Current	75134-01A



INSTALLATION TIME



3:00 hrs

SKILL LEVEL



4= Experienced

TOOLS REQUIRED

- Safety goggles
- Measuring tape
- Flat blade screwdriver
- Phillips head screwdriver
- 13mm socket
- 8mm socket
- Ratchet wrench and extension
- Wire crimpers
- Wire stripper / cutter
- 3/16" hex key (allen wrench)
- 4mm hex key (allen wrench)
- Electrical tape
- Silicone caulking (sealer)
- 25/64" Drill Bit
- 9/32" Drill Bit

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

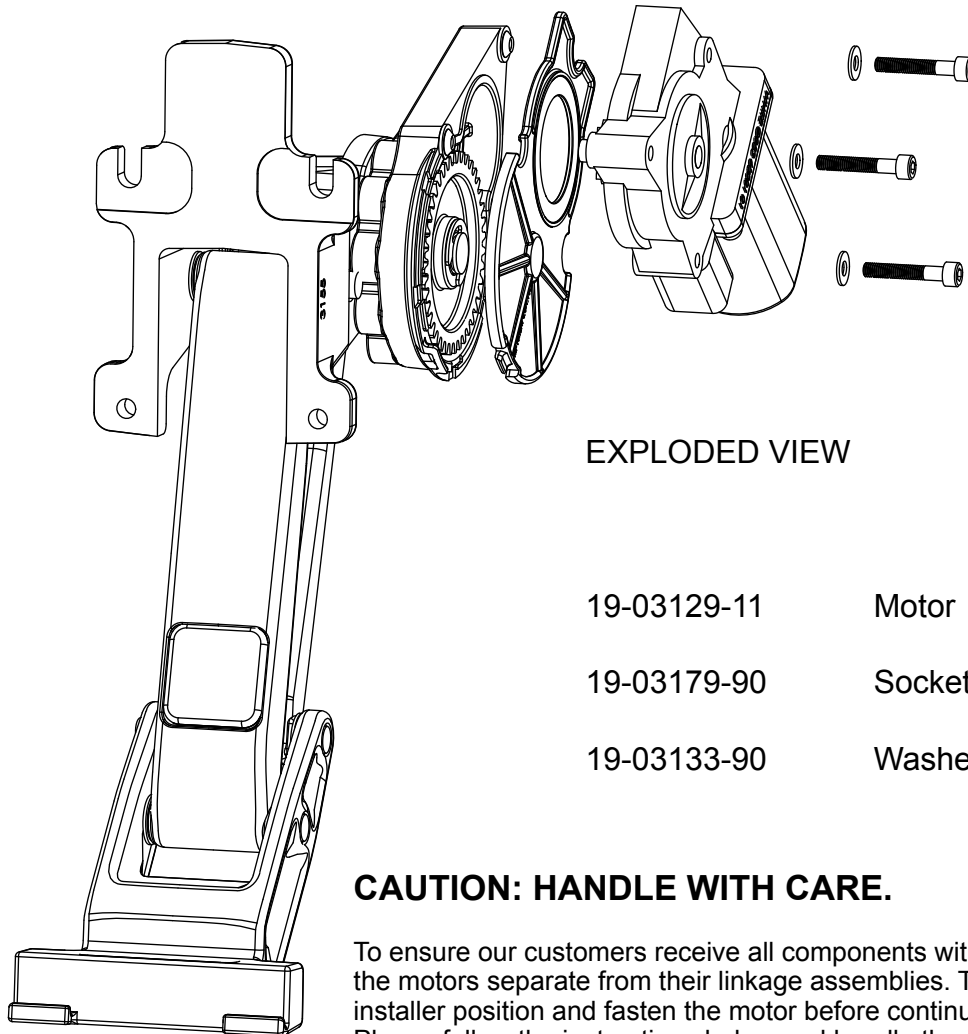
Designed and manufactured by AMP Research®. Patent Number 6,830,257; 6,641,158; 6,834,875; 6,938,909; 6,942,233; 7,007,961; 7,055,839; 7,163,221; 7,367,574; 7,380,807; 7,398,985; 7,413,204; 7,487,986; 7,566,064; 7,584,975; CA 2,463,717. Other US and Worldwide patents pending.

Made in USA © 2010 AMP Research 5-year limited warranty. Professional installation is recommended.

INSTALLATION GUIDE

Attaching motor to linkage assembly

The motors must be attached to the linkage assemblies before continuing the installation process.



EXPLODED VIEW

19-03129-11	Motor
19-03179-90	Socket cap screw
19-03133-90	Washer

CAUTION: HANDLE WITH CARE.

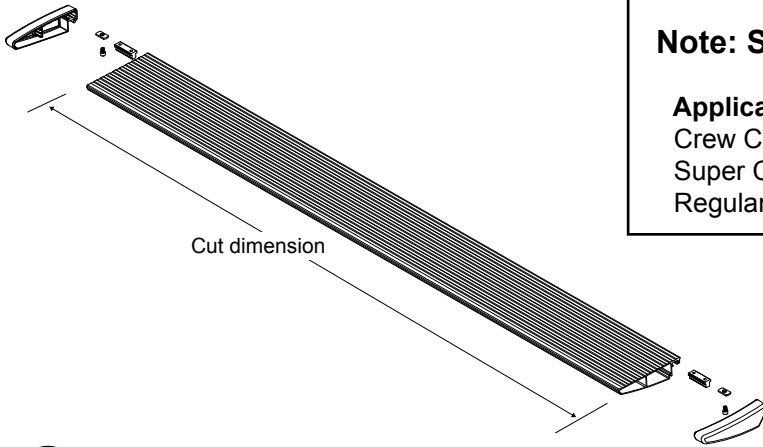
To ensure our customers receive all components with full integrity, we pack the motors separate from their linkage assemblies. This requires that the installer position and fasten the motor before continuing with the install. Please follow the instructions below and handle the assembly carefully.

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.**

AMP RESEARCH POWER STEP – FORD SUPER DUTY

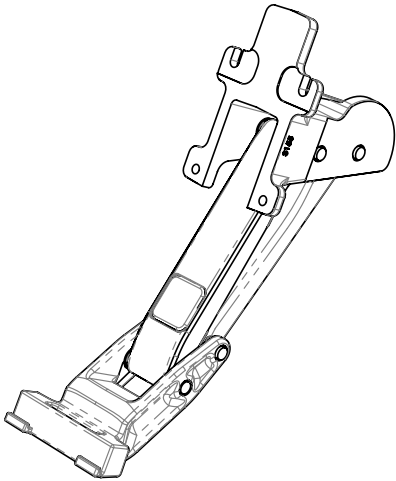


Note: Some Applications require modification.

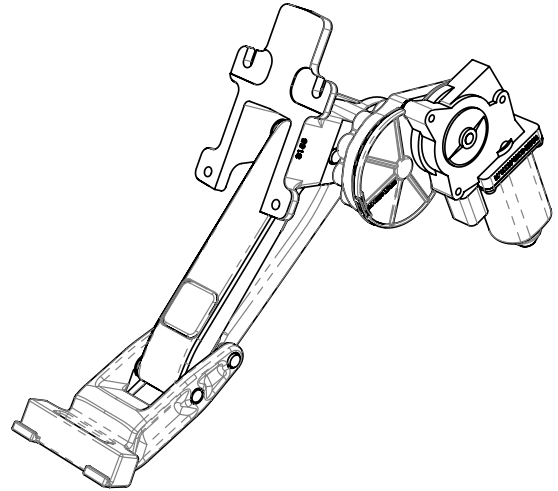
Application	Cut Length
Crew Cab	79" (No Modification Required)
Super Cab	60" (Trim 19")
Regular Cab	48" (Trim 31")

1 x2
20-03314-XX
Running board assembly

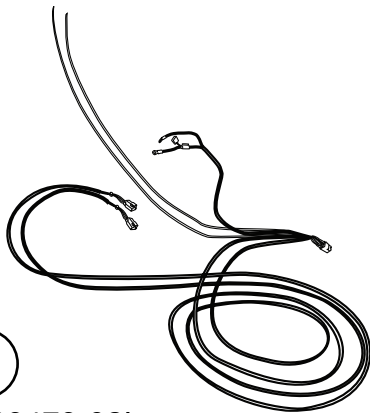
- (A) 19-03225-11 End cap left (x1)
- (B) 19-03225-12 End cap right (x1)
- (C) 19-02663-90 T-nut insert (x2)
- (D) 19-03236-90 Socket cap screw (x2)
- (E) 19-03237-90 Nut plate (x2)



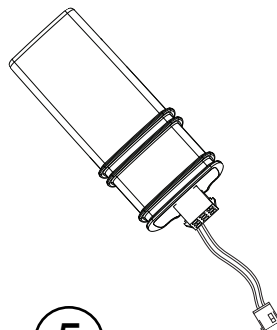
2 x2
10-02641-14
Idler linkage assembly



3 x2
10-02624-14
Motor linkage assembly



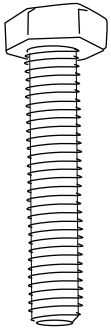
4
19-03473-92L
Wire harness



5
19-03297-98
Type-B Controller

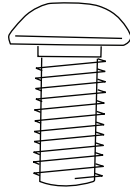
AMP RESEARCH POWER STEP – FORD SUPER DUTY

PARTS LIST AND
HARDWARE
IDENTIFICATION



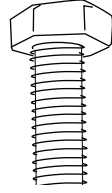
7 x8

19-02487-90
Hex bolt



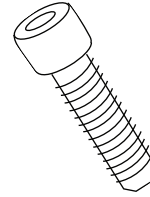
8 x8

19-02485-90
Button head - M10



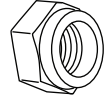
9

19-02849-90
Socket cap screw



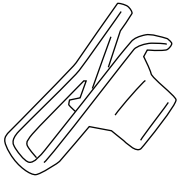
10 x8

19-02802-90
Socket cap screw



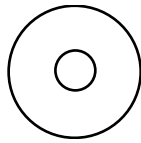
11

10-00115-60
Nylock nut



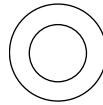
12 x8

19-02488-90
U-nut



13

19-02389-90
Large OD Washer



14 x8

19-02486-90
Washer (stainless)



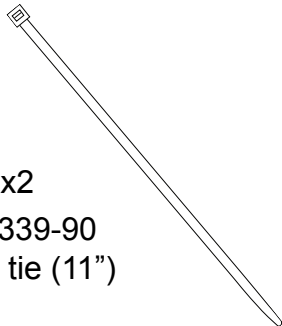
15 x8

16-03014-90
Washer (black)



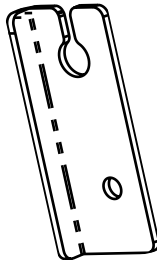
16

19-03353-90
Nylock nut



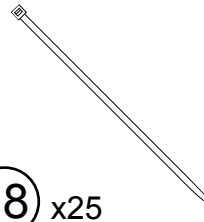
17 x2

19-03339-90
Cable tie (11")



19

16-03048-90
Brake cable bracket



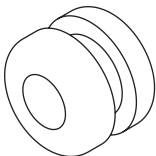
18 x25

19-02805-90
Cable tie (7")



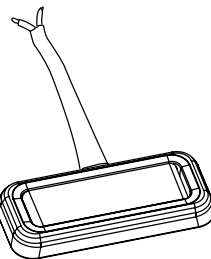
20 x4

19-03354-90
Posi-Tap® connector



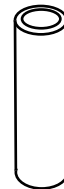
21 x4

19-02640-90
Grommet



22 x4

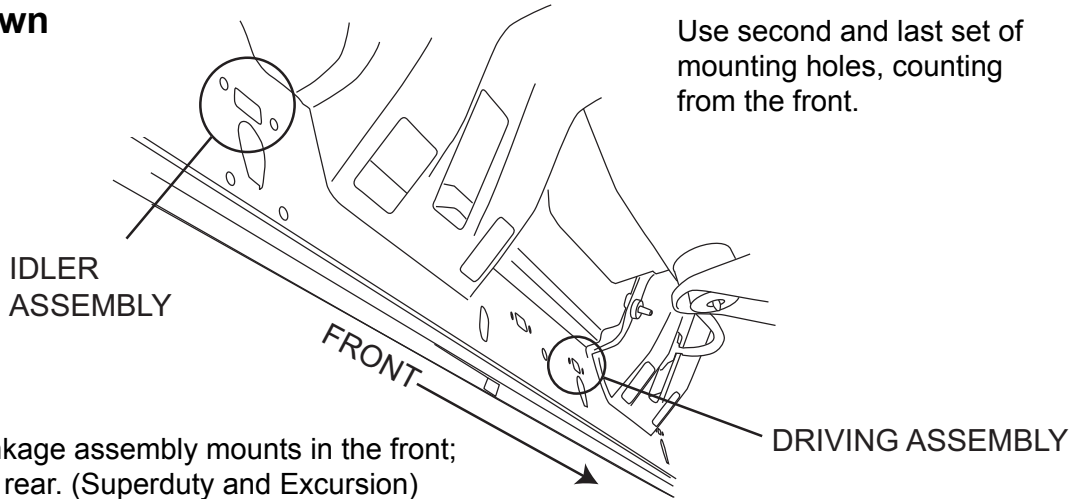
19-03302-90
LED Lamp



22 x8

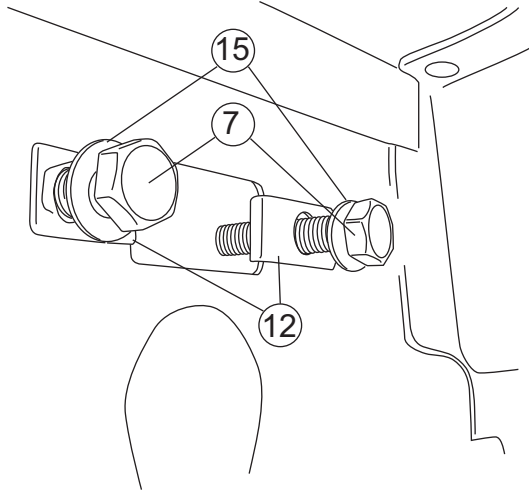
19-02989-90
Butt connector

Driver Side Shown

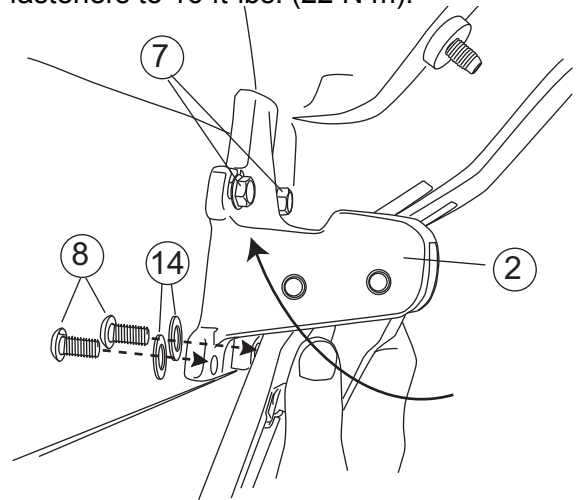


NOTE: Driving Linkage assembly mounts in the front; idler mounts in the rear. (Superduty and Excursion)

1



Torque fasteners to 16 ft-lbs. (22 N m).



3 Note: Excursion requires hole to be drilled in body for rear linkage. Use 25/64" Drill Bit.

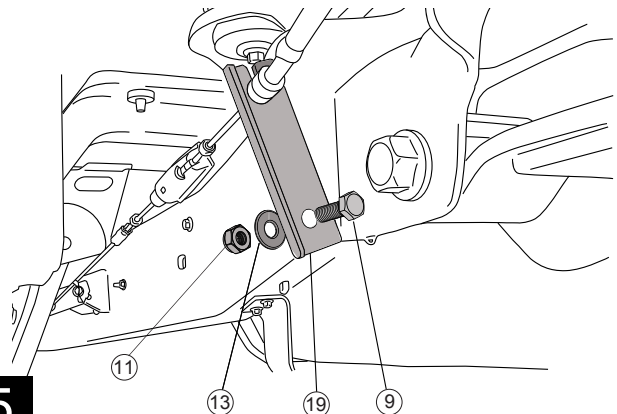
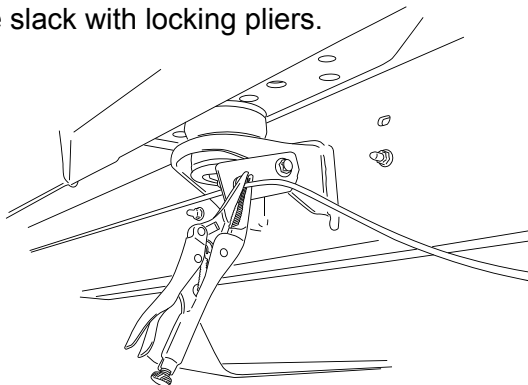
2

Steps 4 & 5 for 2008-Current Model Years Only

Disengage parking brake.

Pull parking brake cable rearward from forward support bracket to create slack in cable. Secure cable slack with locking pliers.

Remove cable from rear support bracket and install cable bracket extension with large washer on front side of bracket. Re-install parking brake cable and remove locking pliers.

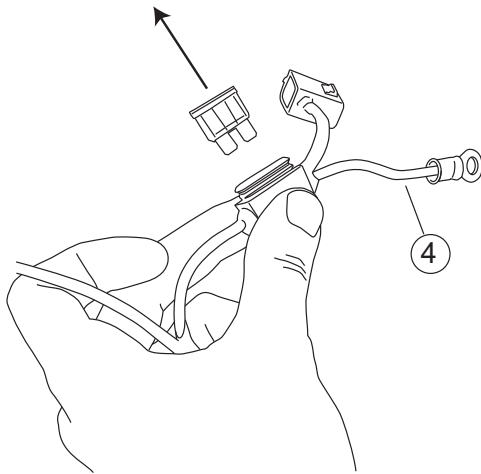


4

5

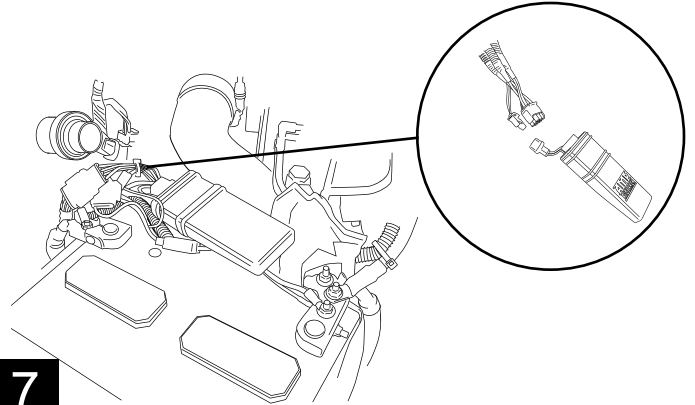
AMP RESEARCH POWER STEP – FORD SUPER DUTY

Remove fuse from harness.

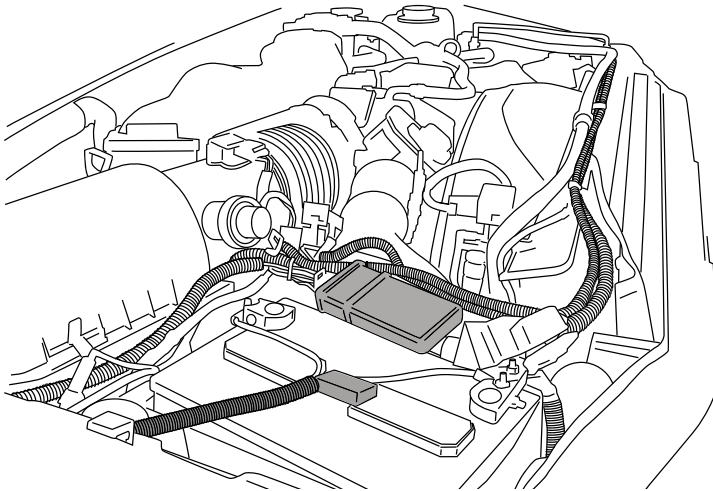


6

Secure controller to vehicle wire loom beside battery (on passenger side) and connect both Power Step wire harness connectors to connectors on controller. Secure locking tabs on connectors.



7

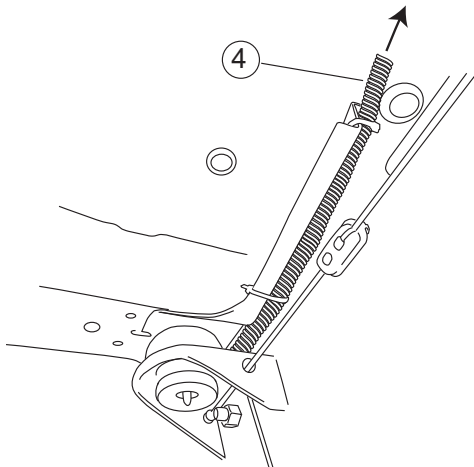


8

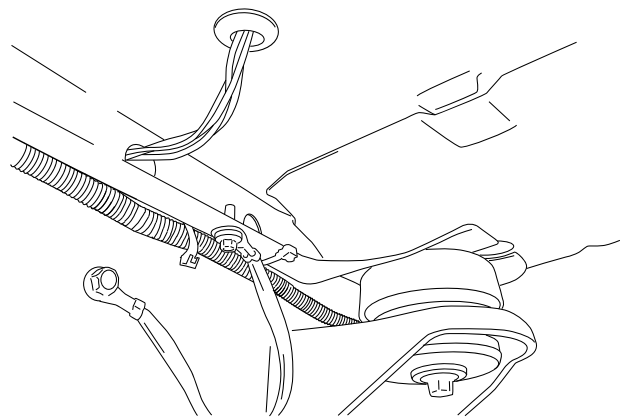
Connect power and ground for controller to battery, Red to positive and Black to the negative lead. Route harness legs down over wheel wells toward motor linkages, long leg across front and over to driver side.

Secure all loose sections of the harness with cable ties.

Run wire legs down and along underside of vehicle floor, securing with tie wraps. Run trigger wires (4) on passenger side through grommet as shown below.

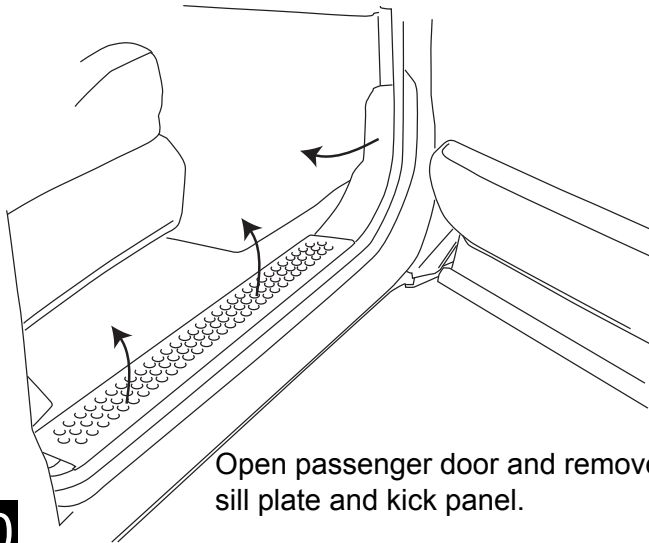


Driver-Side



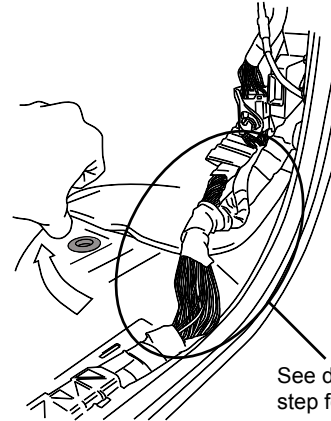
Passenger-Side

9



Open passenger door and remove sill plate and kick panel.

Roll back carpet and pull trigger-wire through grommet. Use silicone glue to seal holes in grommet.

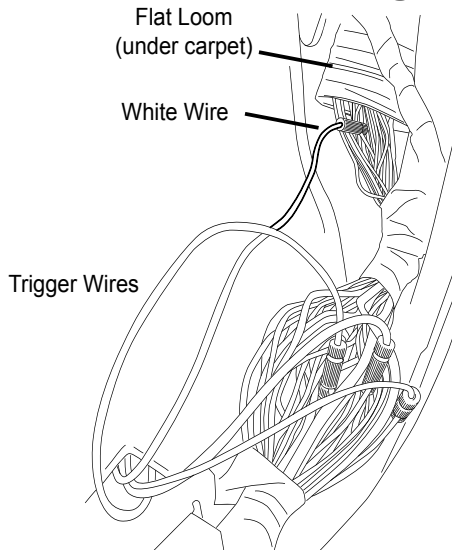


See detail on next step for wiring.

10

11

2008-Current Wiring (for 2002-2003 models skip to step 13)

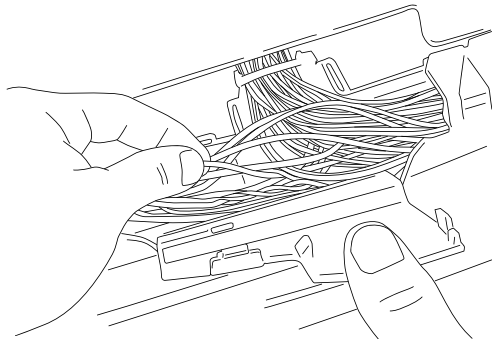


Using supplied PosiTaps®, connect trigger wires into corresponding door ajar wires. The Power Step trigger wires color coordinate with the factory door ajar wires. Note the differences explained below for Regular Cab and Super Cab.

Front Driver-Side Door: Dark Green with Purple stripe (avoid other wires of similar color... the lighter green wires will not work. The correct wire will ground when the front door is closed and OL with the front door open.).

Rear Driver-Side: Dark Green (avoid other wires of similar color... the lighter green wire will not work. The correct wire will ground when the rear door is closed and OL with the rear door open.).

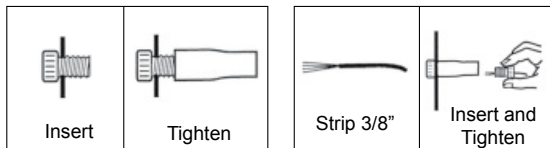
REGULAR CAB/SUPER CAB NOTE: Connect this wire to front door wire also (Dark Green w/ Purple stripe) because these models don't have rear door ajar wires.



Front Passenger-Side: White... found just below flat loom as shown in the illustration above.

Rear Passenger-Side: Yellow... the correct yellow wire continues on to back door. Pull on the yellow wire that leads to the back and does not cross over to driver side at junction; you'll notice the movement of the correct wire up where we connect our trigger wires.

REGULAR CAB/SUPER CAB NOTE: Connect this wire to passenger front door wire also (White), because these models don't have rear door ajar wires.



12

NOTE: Steps 13-23 are only for model years 2002-2003 with factory remote keyless entry. For all other model years continue to step 24.

2002-2003 model year trucks require that the Green and Green/Violet wires be routed over to the driver side of the vehicle. Attach extra wire length to both wires on the harness (Green and Green/Violet), and run under carpet from passenger side to driver side.

Open driver side door and remove sill plate and kick panel. Lift carpet and pull trigger wires to driver side.

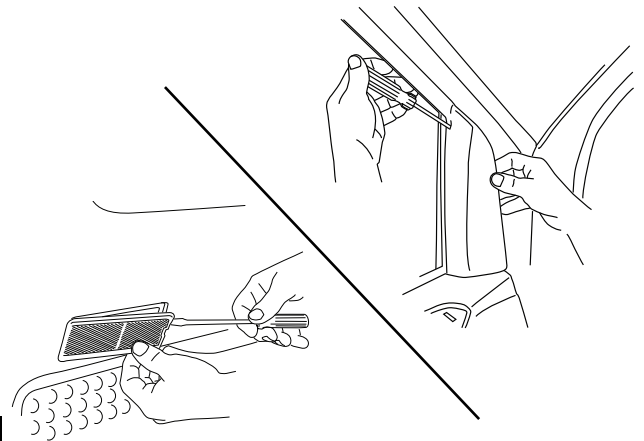


13

Remove driver side front door panel. This will require removing multiple concealed bolts and paneling.



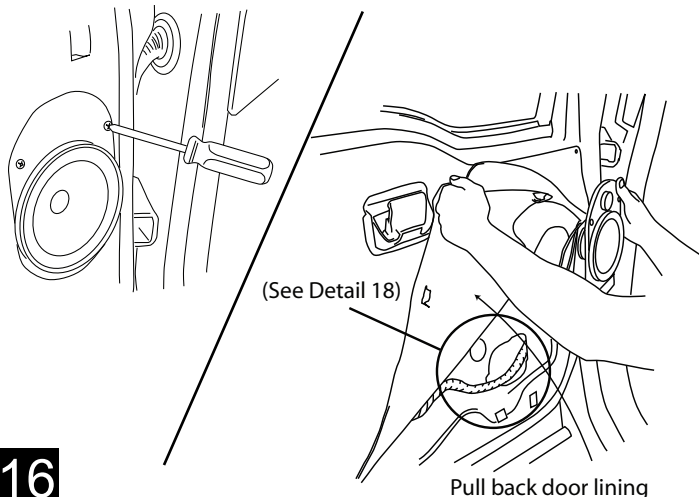
Door panel removal will require removal of door light lens and window corner trim.



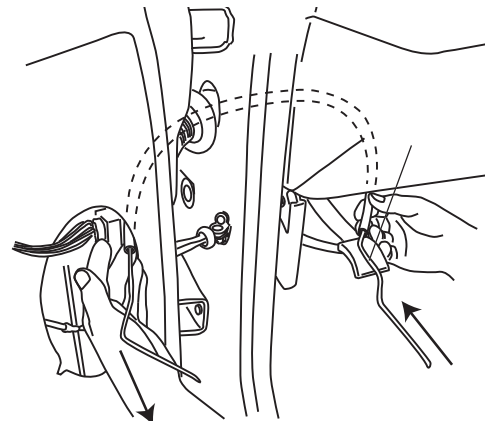
14

15

Remove speaker and pull back door lining.



Insert plastic tubing (for wire routing) and run one trigger wire through to door compartment. Then remove the plastic tubing, pulling from door side.

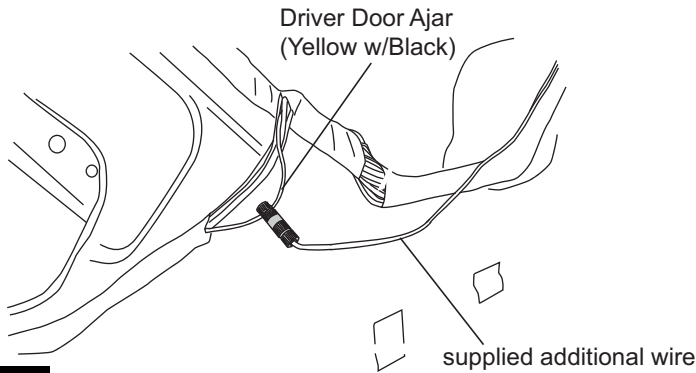


16

17

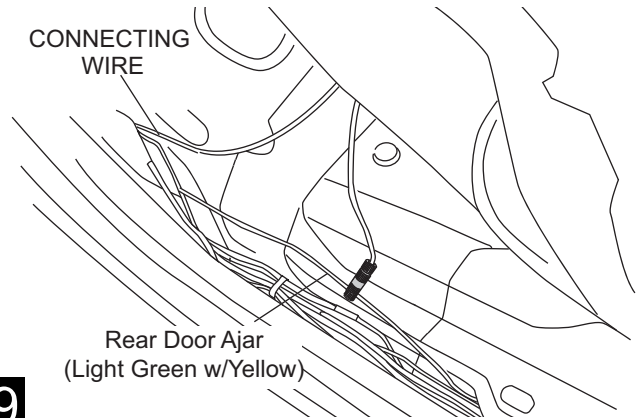
Pull back door lining

Driver Front Door Wiring: Using Posi-Tap connector, connect the supplied additional wire (Red) to front door ajar wire (Yellow w/Black stripe)



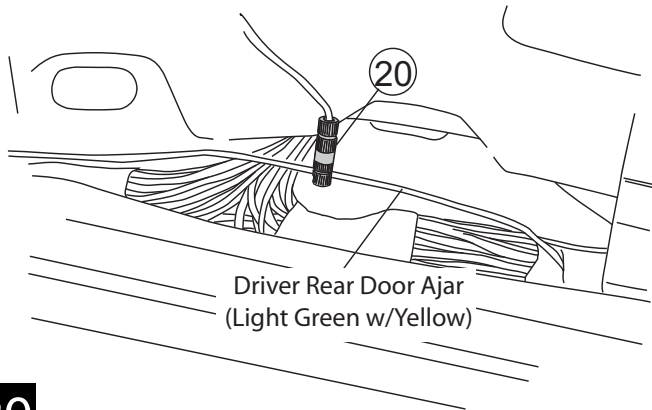
18

Driver Rear Door Wiring: Attach second connecting wire on driver side to rear door ajar wire (Light Green w/Yellow stripe), found under front door sill plate.



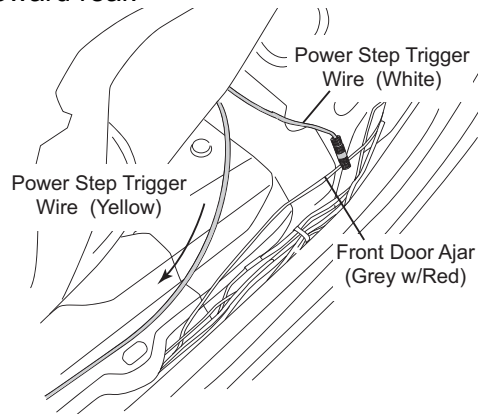
19

CAUTION: You will find two wires with these colors; the correct wire will ground when the rear door is closed and OL with the rear door open.



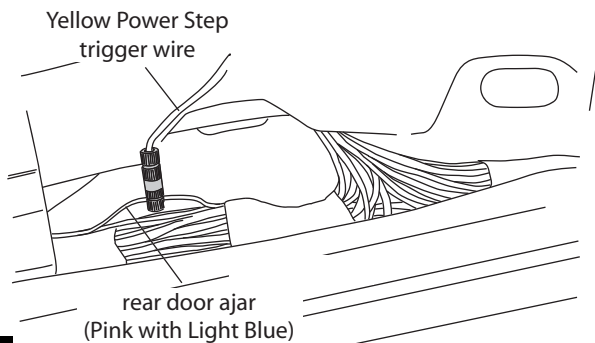
20

Passenger Front Door Wiring: Using Posi-Tap connector, connect white trigger wire to front door ajar wire (Grey w/Red stripe). Run Yellow trigger wire toward rear.



21

Passenger Rear Door Wiring: Using Posi-Tap connector, connect Yellow trigger wire to rear door ajar wire (Pink w/Light Blue stripe). This wire is found rear of junction where wires route under front passenger seat.



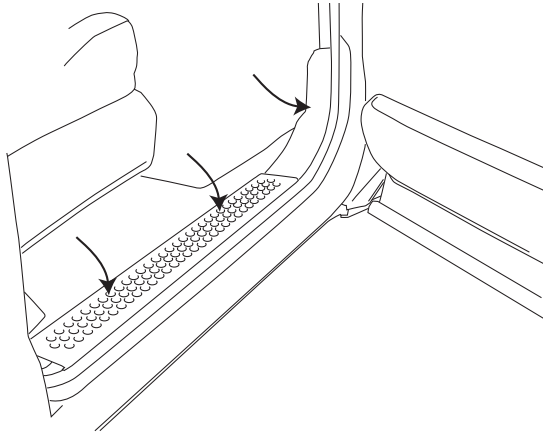
22

Note: Steps 13-23 are for model years 2002-2003 with factory remote keyless entry (the unlock remote connected to your keys). For vehicles **without** factory remote keyless entry, contact AMP Research for additional instructions.

AMP Research Tech Support:
1-888-983-2204 (Press 2)

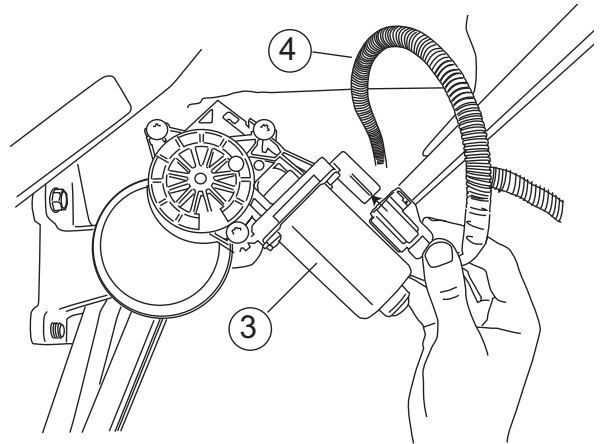
23

Secure wires and replace kick panel and sill plate. Be careful not to pinch any wires when replacing panels.



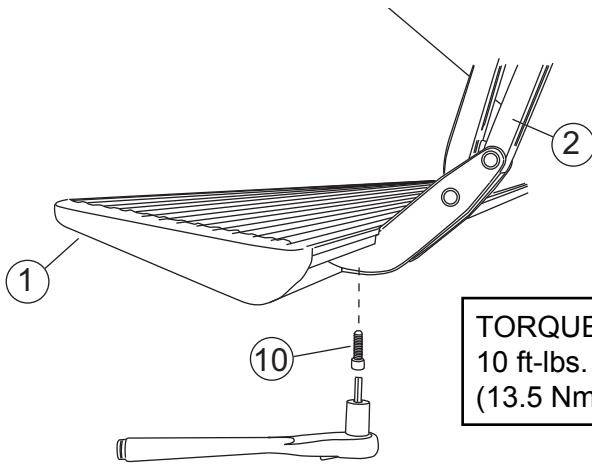
24

Plug in motors (both sides). Route remaining LED light wires back towards rear of vehicle.



25

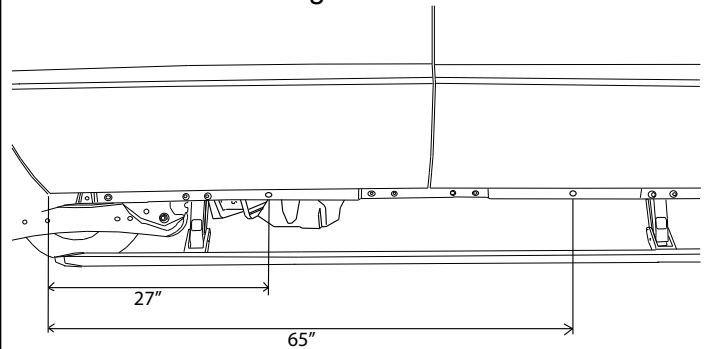
Slide mounting T-nut into position. Mount Board and tighten fasteners to 10ft-lbs. Align the end of the board with the rear edge of the back door.



TORQUE
10 ft-lbs.
(13.5 Nm)

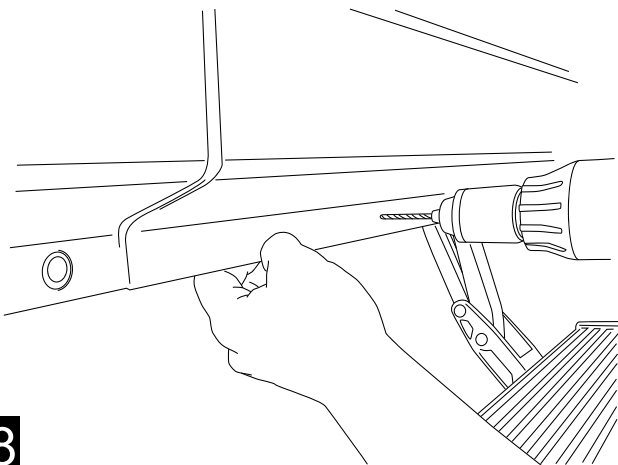
26

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 27" for front LED Light and 65" for rear LED Light.



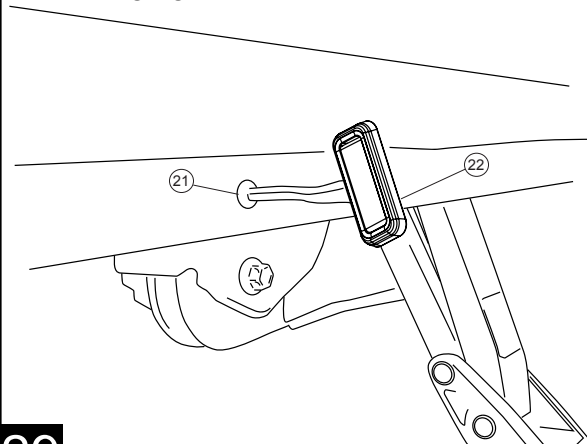
27

Drill a 9/32" hole through the pinch weld at marked locations. Deburr all holes.



28

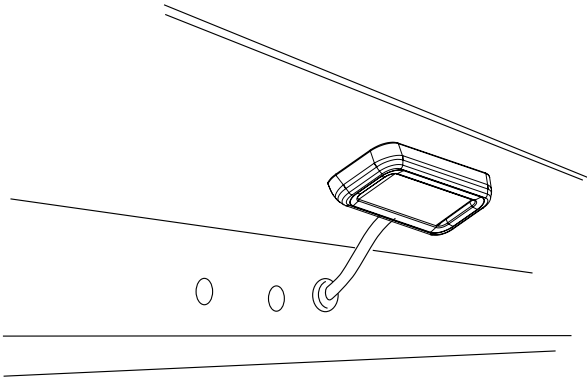
Insert grommet into drilled holes. Insert lamp wires through the grommets. (Silicon lube will help wires slip through grommets.)



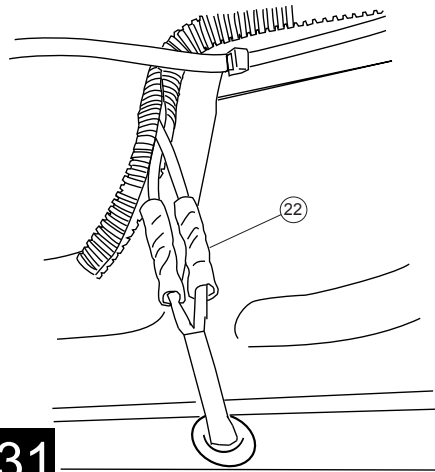
29

AMP RESEARCH POWER STEP – FORD SUPER DUTY

Affix lamp to rocker panel surface. Make sure lamp is affixed to a flat, clean surface.



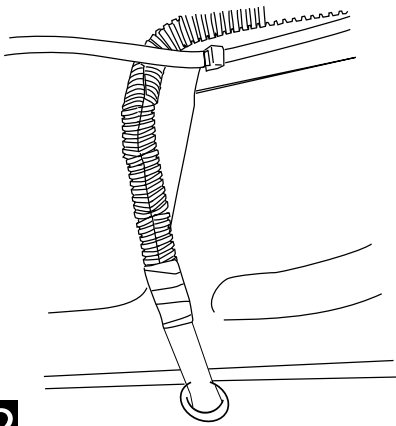
Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black



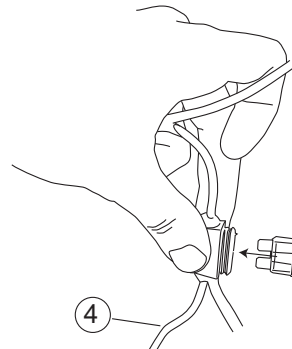
30

31

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.



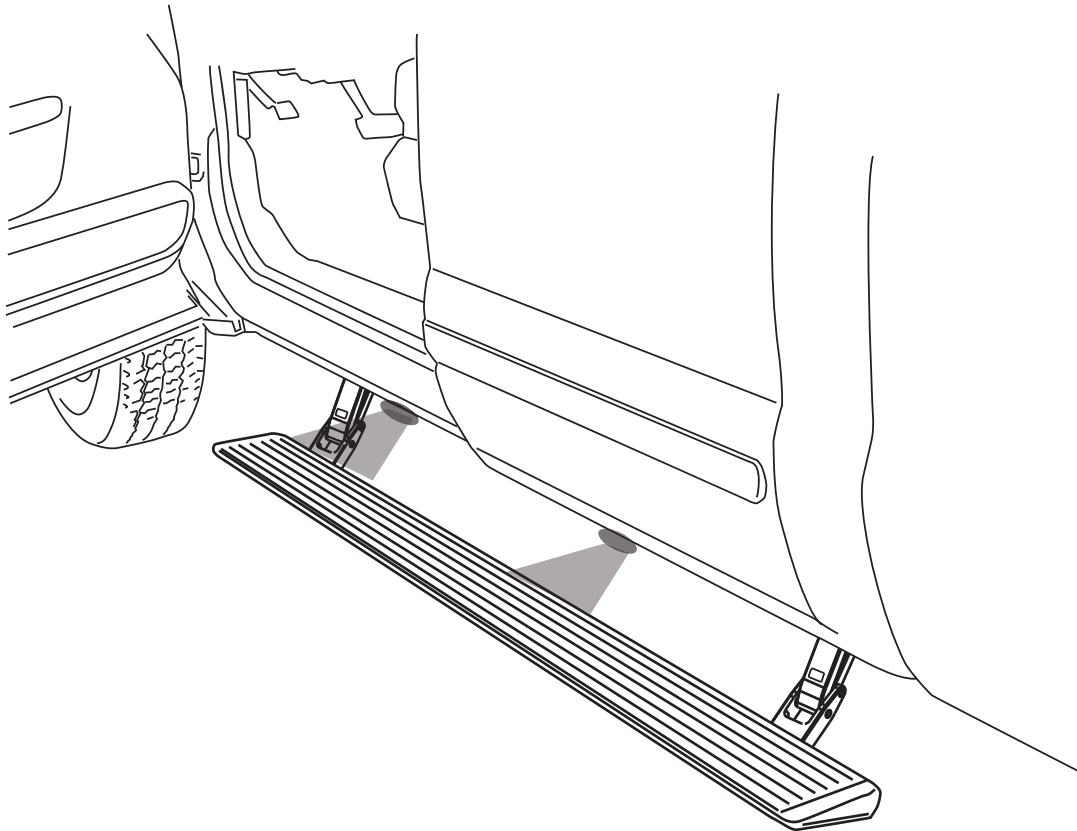
Reinstall the fuse.



32

33

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



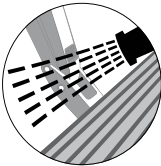
Correct operation of Lights: All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reilluminated by closing and opening any door of vehicle.



POWERSTEP™ OPERATION - The AMP Research PowerStep™ automatically deploys when any door is opened. When both front and rear doors are closed, it retracts automatically under your vehicle.

The drive system is designed to automatically stop if resistance, blockage or icing occurs.

To reset, clear any obstruction, then simply open and close the door and normal operation will resume.



MAINTENANCE TIPS - The stepping surface and linkages should be periodically washed with mild soap and water using a soft brush or sponge to dislodge any mud, dirt or accumulated road grime.

In severe driving conditions, pressure washing the linkages is strongly recommended.

Avoid spraying the motors directly with high-pressure water. After washing, apply Silicone spray lubricant to the pivot pins of each linkage assembly. Remove any excess lubricant with a soft clean cloth. Do not apply Silicone spray, waxes or protectants like Armor All® to the stepping surfaces.



KEEPING POWERSTEP™ DEPLOYED - When washing your vehicle, the PowerStep can be set to remain in the deployed position with the doors closed. **DO THIS...**

1. With the PowerStep deployed, firmly press and hold the step down with your foot.
2. Close the door while continuing to press down on the step. *(This will not harm the motor.)*
3. To resume normal operation, simply open and close the door. *(Repeat for both sides of the vehicle.)*

CAUTION! KEEP HANDS AWAY WHEN THE POWERSTEP IS IN MOTION

AMP RESEARCH 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 1-800-315-9697

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.