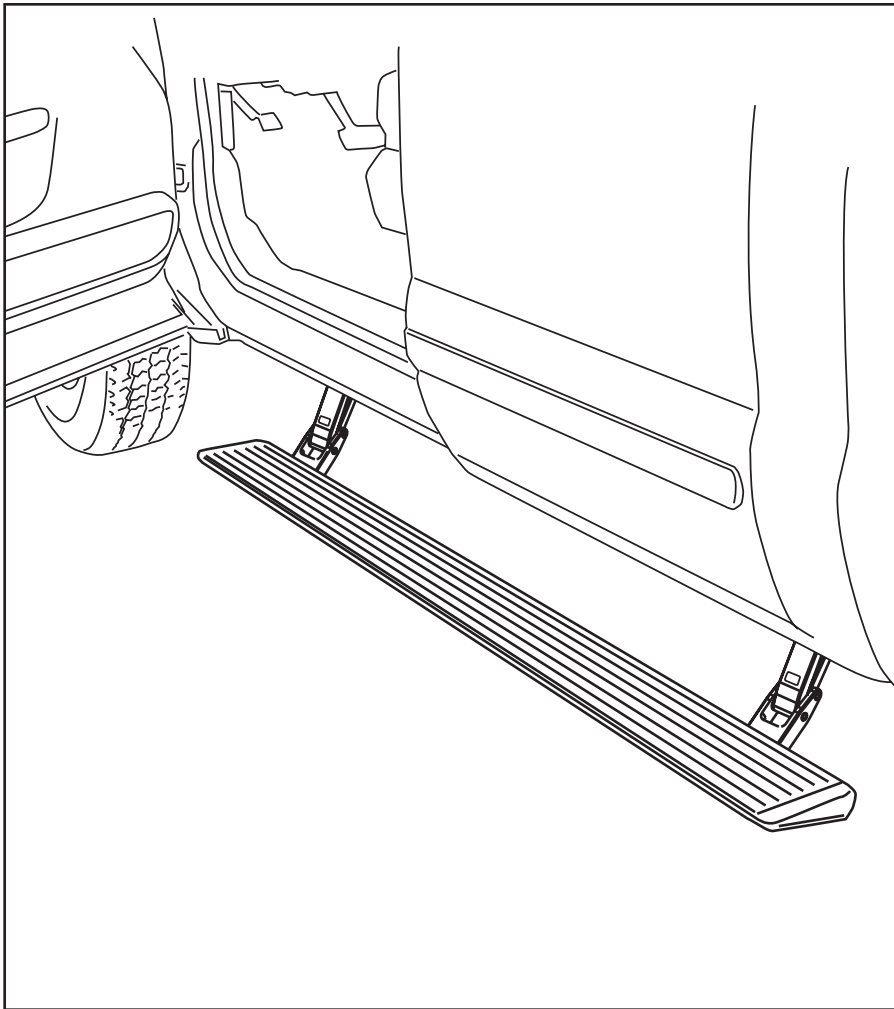


INSTALLATION GUIDE

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



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)

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

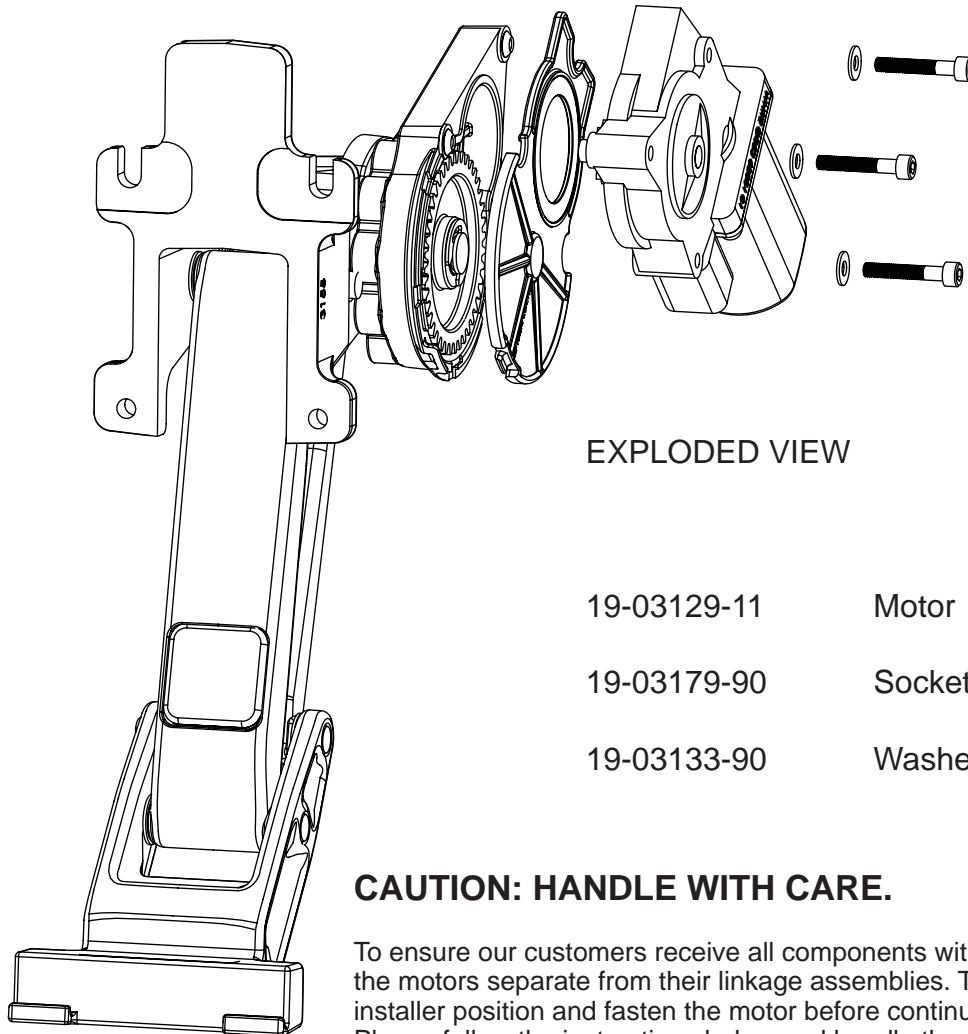
Designed and manufactured by AMP Research®. Patent Number 6,830,257; 6,641,158; 6,834,875; 6,938,909; 6,942,233; 7,007,961; 7,055,839; 7,163,221; 7,367,574; 7,380,807; 7,398,985; 7,413,204; 7,487,986; 7,566,064; 7,584,975; CA 2,463,717. Other US and Worldwide patents pending.

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 |

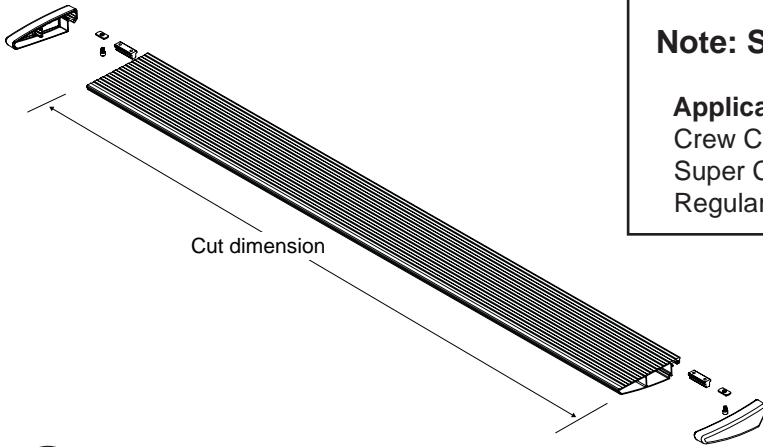
CAUTION: HANDLE WITH CARE.

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.

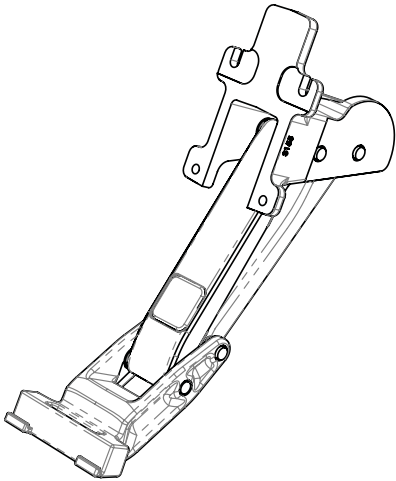


Note: Some Applications require modification.

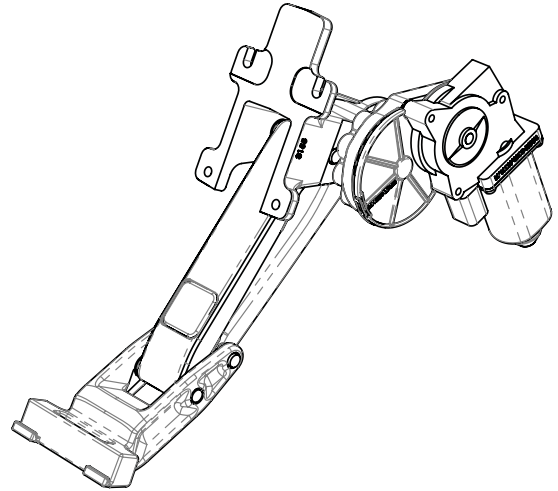
| Application | Cut Length |
|-------------|--------------------------------|
| Crew Cab | 79" (No Modification Required) |
| Super Cab | 60" (Trim 19") |
| Regular Cab | 48" (Trim 31") |

1 x2
20-03314-XX
Running board assembly

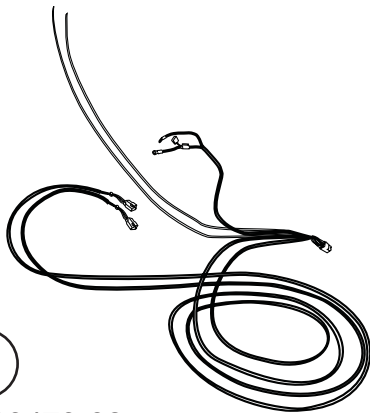
- (A) 19-03225-11 End cap left (x1)
- (B) 19-03225-12 End cap right (x1)
- (C) 19-02663-90 T-nut insert (x2)
- (D) 19-03236-90 Socket cap screw (x2)
- (E) 19-03237-90 Nut plate (x2)



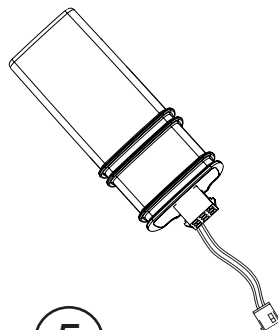
2 x2
10-02641-14
Idler linkage assembly



3 x2
10-02624-14
Motor linkage assembly

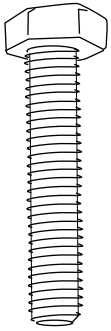


4
19-03473-92
Wire harness

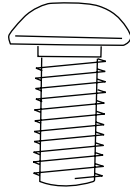


5
19-03297-98
Type-B Controller

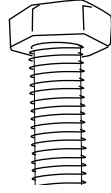
PARTS LIST AND
HARDWARE
IDENTIFICATION



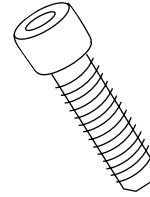
7 x8
19-02487-90
Hex bolt



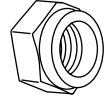
8 x8
19-02485-90
Button head - M10



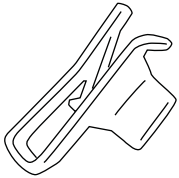
9
19-02849-90
Socket cap screw



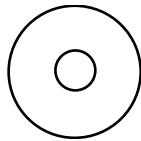
10 x8
19-02802-90
Socket cap screw



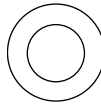
11
10-00115-60
Nylock nut



12 x8
19-02488-90
U-nut



13
19-02389-90
Large OD Washer



14 x8
19-02486-90
Washer (stainless)

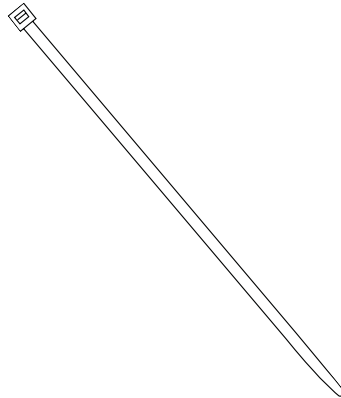


15 x8
16-03014-90
Washer (black)

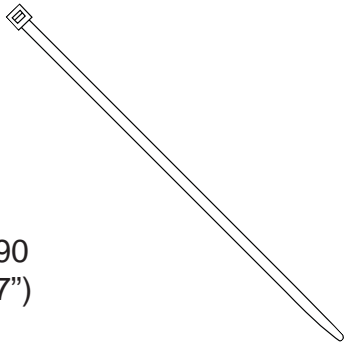


16
19-03353-90
Nylock nut

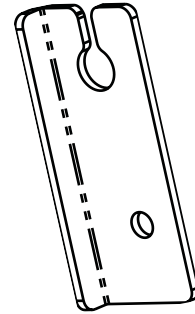
17 x2
19-03339-90
Cable tie (11")



18 x25
19-02805-90
Cable tie (7")



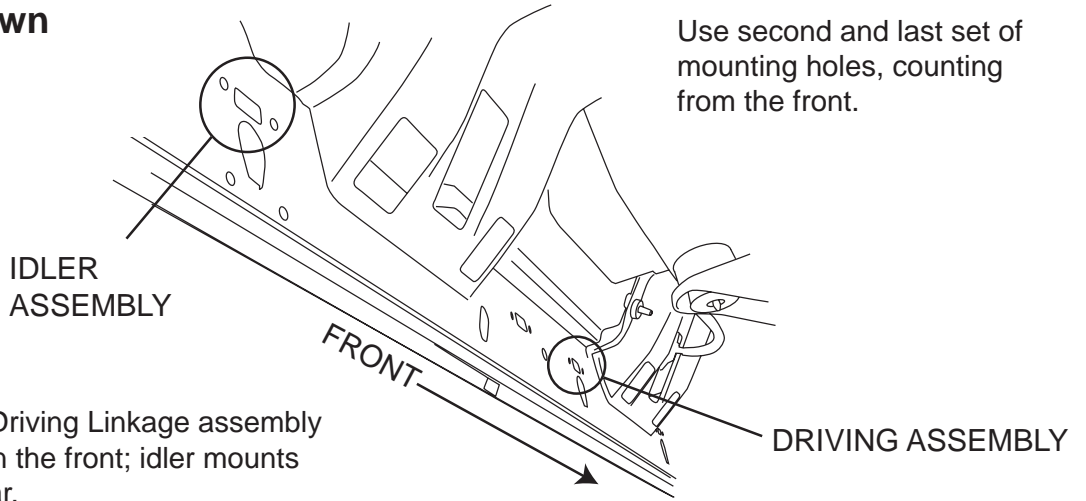
19
16-03048-90
Brake cable bracket



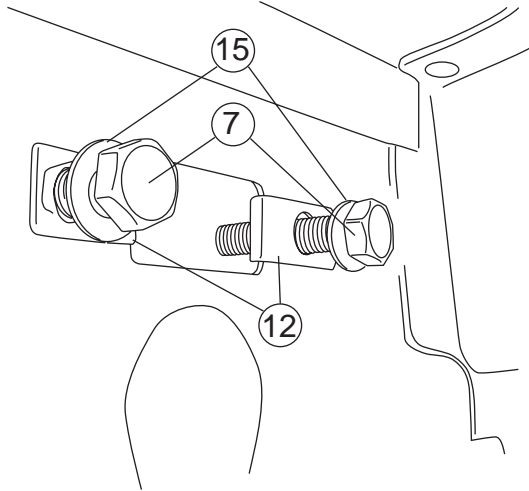
20 x4
19-03354-90
Posi-Tap® connector



Driver Side Shown

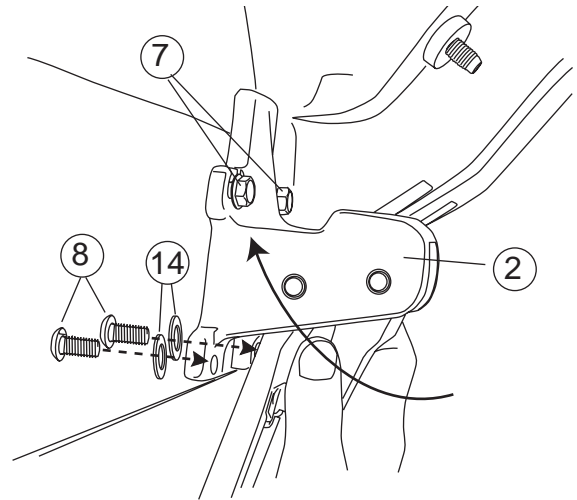


1



2

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

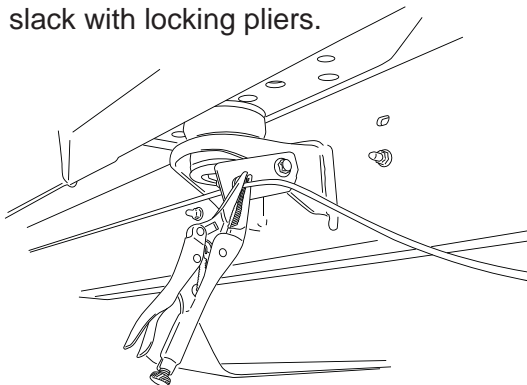


3

Steps 4 & 5 for 2008-Current Model Years Only

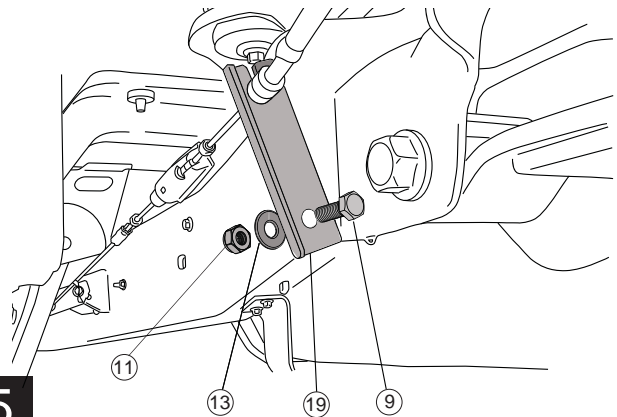
Disengage parking brake.

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



4

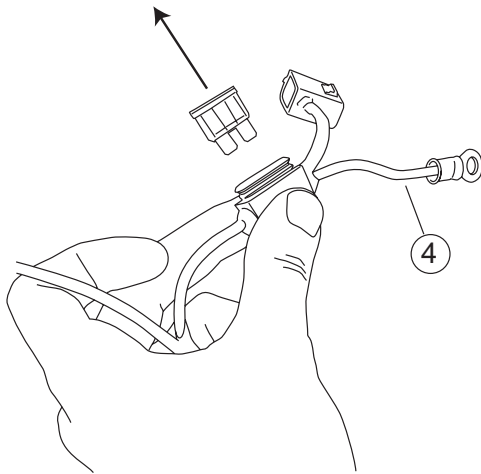
Remove cable from rear support bracket and install cable bracket extension with large washer on front side of bracket. Re-install parking brake cable and remove locking pliers.



5

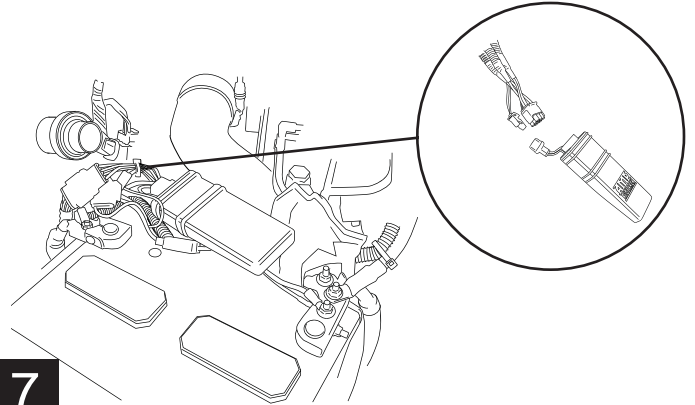
AMP RESEARCH POWER STEP – FORD SUPER DUTY

Remove fuse from harness.

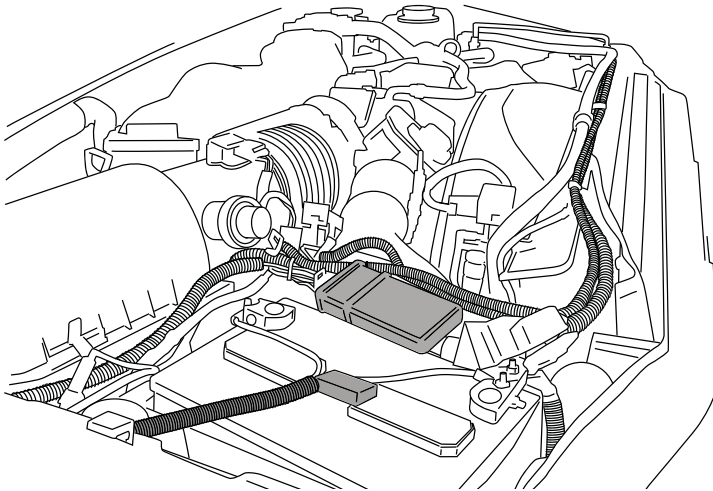


6

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

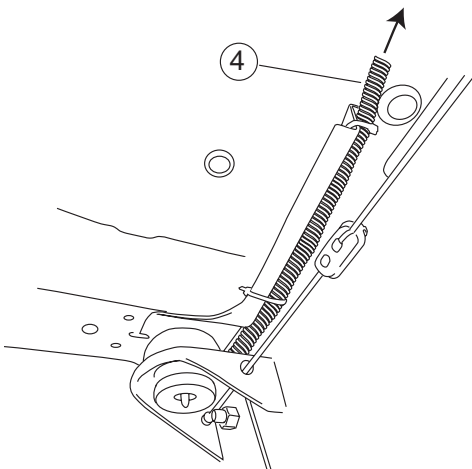


8

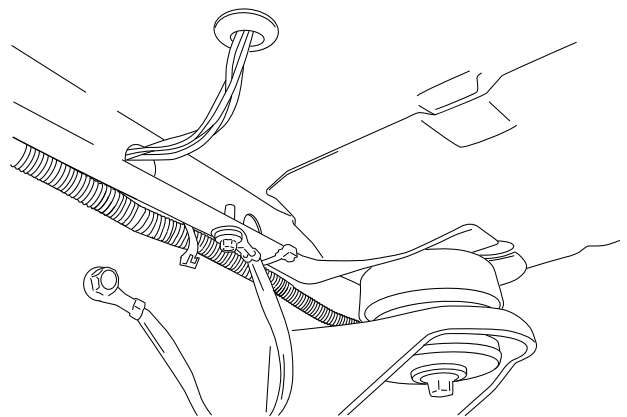
Connect power and ground for controller to battery, Red to positive and Black to the negative lead. Route harness legs down over wheel wells toward motor linkages, long leg across front and over to driver side.

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 bellow.

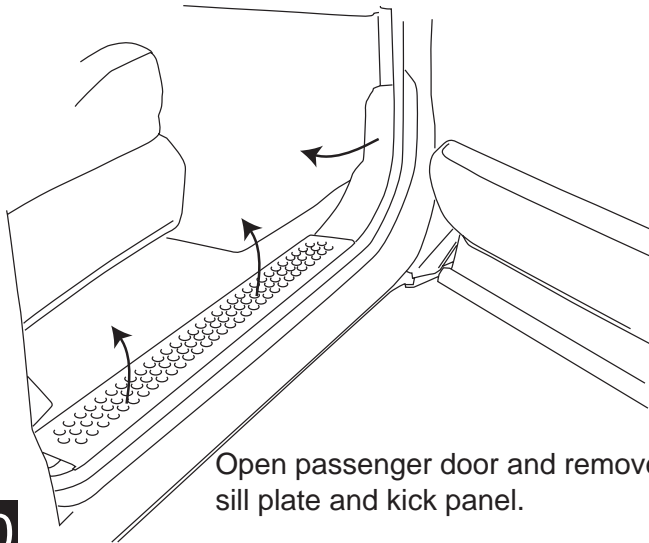


Driver-Side



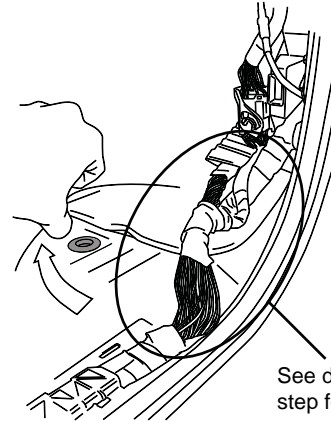
Passenger-Side

9

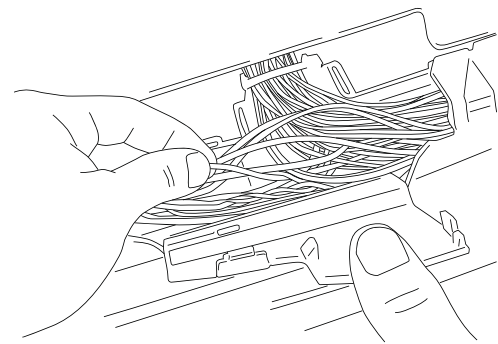
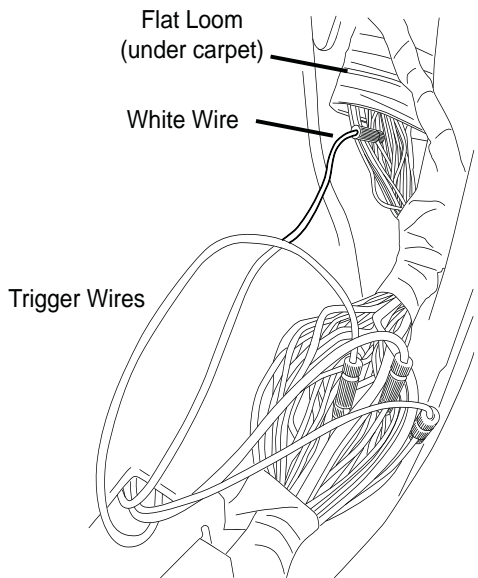


10

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



11



WIRING (for 2002-2003 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.).

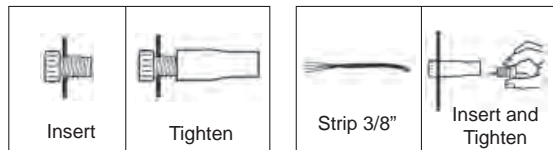
Rear Driver-Side: Dark Green (avoid other wires of similar color... the lighter green wire will not work. The correct wire will ground when the rear door is closed and OL with the rear door open.).

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 2008-Current model years, skip to step 24.

2002-2003 model year trucks require that the driver side door ajar wires are picked up on the driver side of the vehicle. Attach extra wire length to both driver side trigger wires (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.

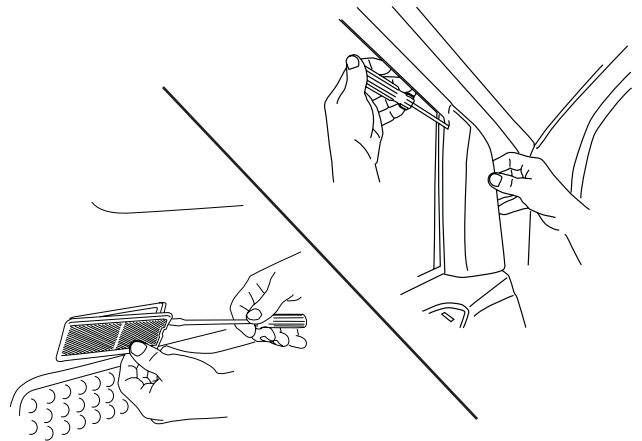


13

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



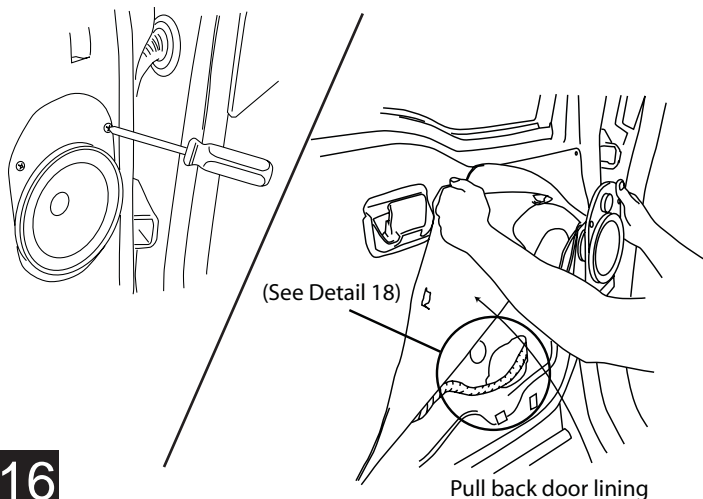
Door panel removal will require removal of door light lens and window corner trim.



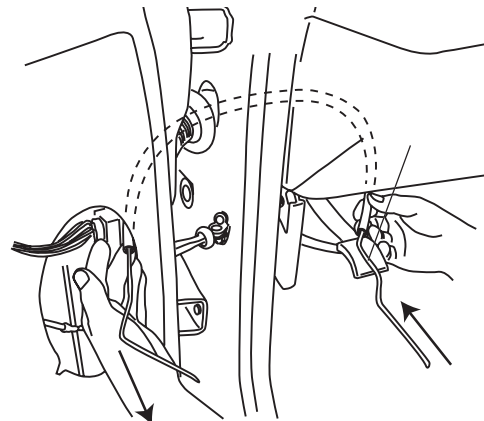
14

15

Remove speaker and pull back door lining.



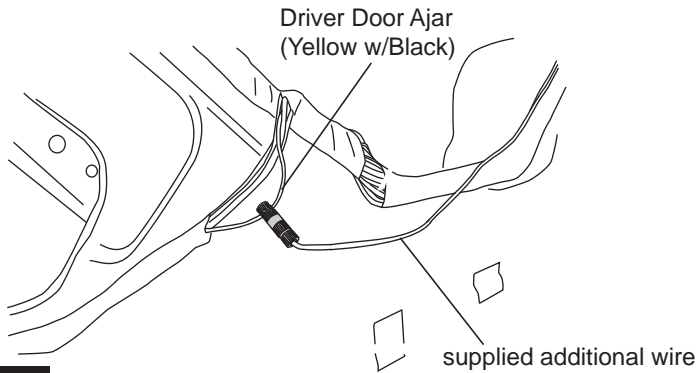
Insert plastic tubing (for wire routing) and run one trigger wire through to door compartment. Then remove the plastic tubing, pulling from door side.



16

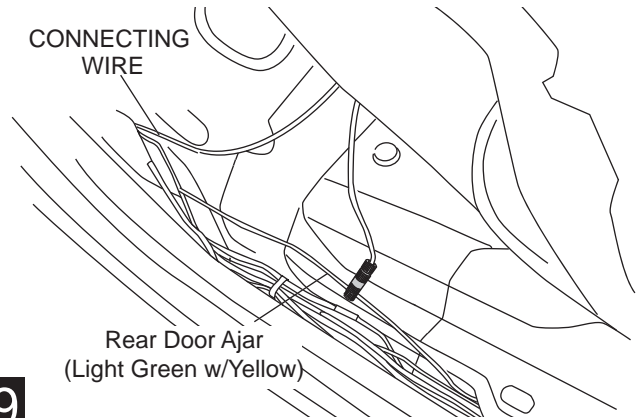
17

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



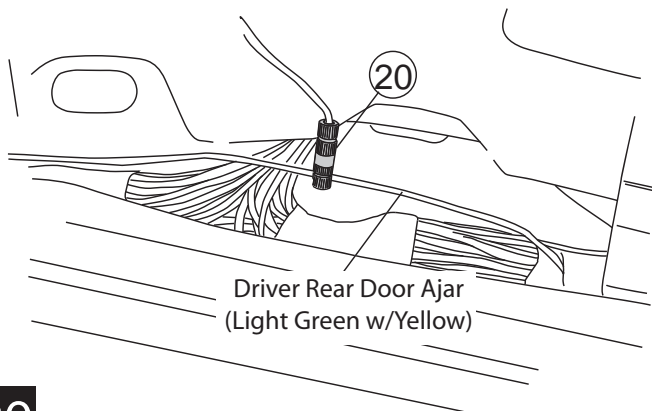
18

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.



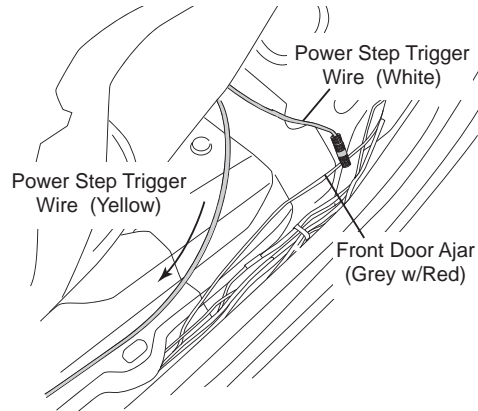
19

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.



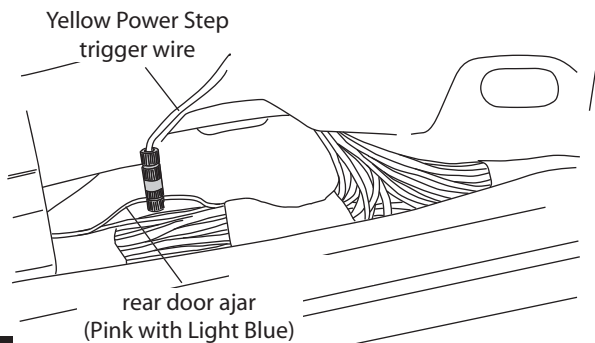
20

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.



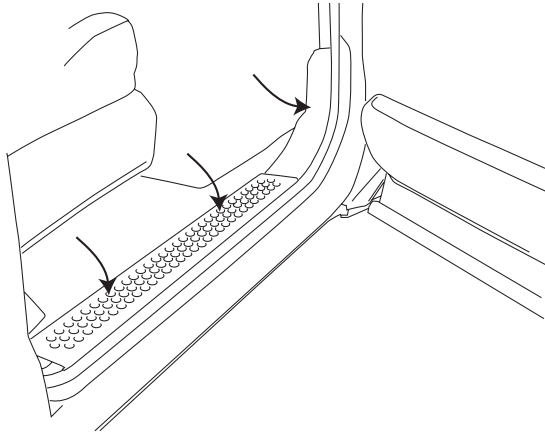
22

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)

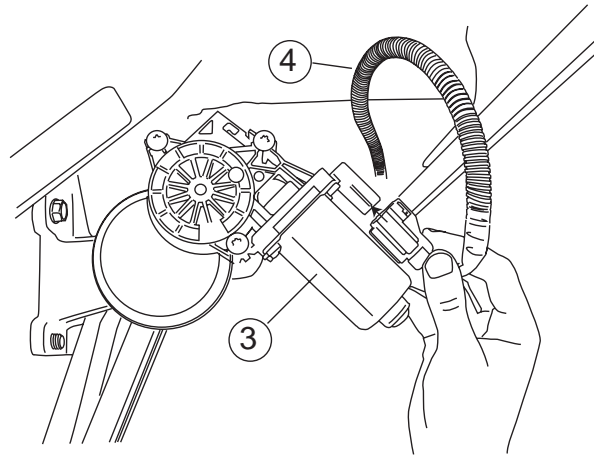
23

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



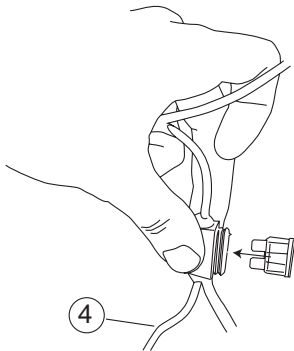
24

Plug in motors (both sides).



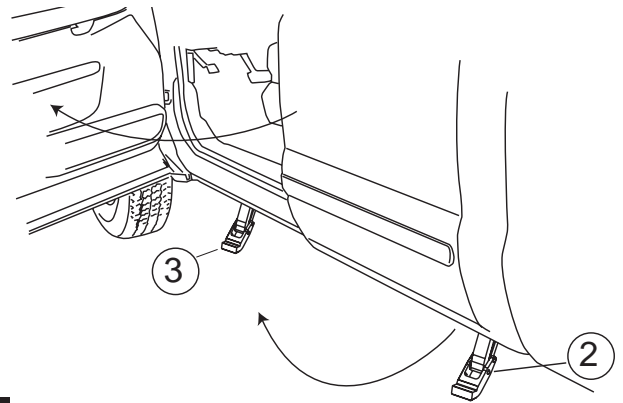
25

Reinsert the fuse.



26

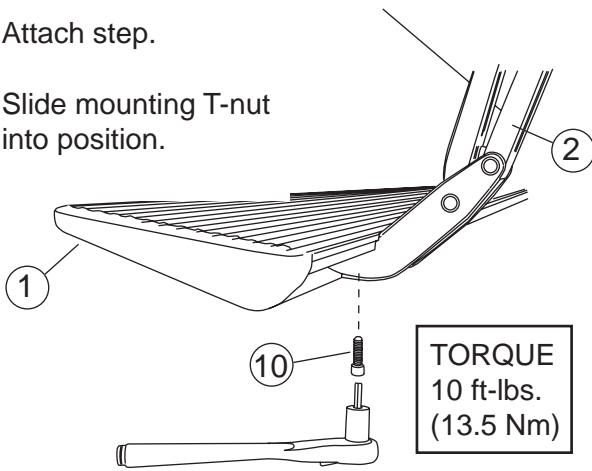
Open the door to extend driving linkage assembly (if not already extended).



27

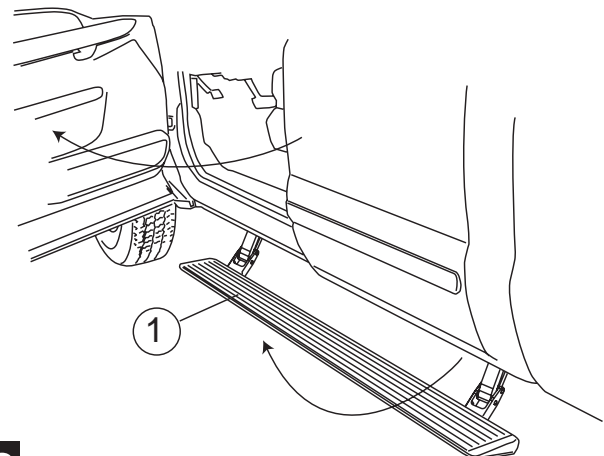
Attach step.

Slide mounting T-nut into position.



28

Open doors to test.



29

Congratulations on the purchase of your AMP Research Power Step



Here's what you should know...

OPERATION

The AMP Research Power Step automatically deploys when at least one door opens and automatically retracts under your vehicle when both front and rear doors close. If resistance or blockage is encountered while the Power Step is in motion, the drive system is designed to automatically stop. To reset, simply open or close the vehicle door and the Power Step will resume normal operation.

MAINTENANCE TIPS

The stepping surface and drive mechanism can be wash with mild soap and water using a soft brush or sponge to dislodge any mud, dirt or accumulated road grime. Rinse with fresh water.

To prevent slipping, avoid applying waxes, lubricants or protectants like Armor All® to the step surface.

When washing your vehicle, the Power Steps can be set to remain deployed with the doors closed for easy cleaning. Do this...

- 1** With the Power Step deployed, press and hold the board down with your foot.
- 2** Close the door while continuing to press down the board. (This will not harm motor.)
- 3** To reset the Power Step, simply open and close the door. (Repeat for both sides of vehicle.)

CAUTION! BE SURE TO KEEP HANDS AWAY WHEN THE POWER STEP IS IN MOTION.

amp-research.com

LIMITED WARRANTY

AMP RESEARCH warrants product to be free from defects in material and workmanship, for terms specified below, provided there has been normal use and proper maintenance. All remedies under this warranty are limited to the repair or replacement of any item found by the factory to be defective within the time period specified.

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.

THE WARRANTY TIME PERIOD IS AS FOLLOWS: 5-YEARS FROM DATE OF PURCHASE.

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.

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