

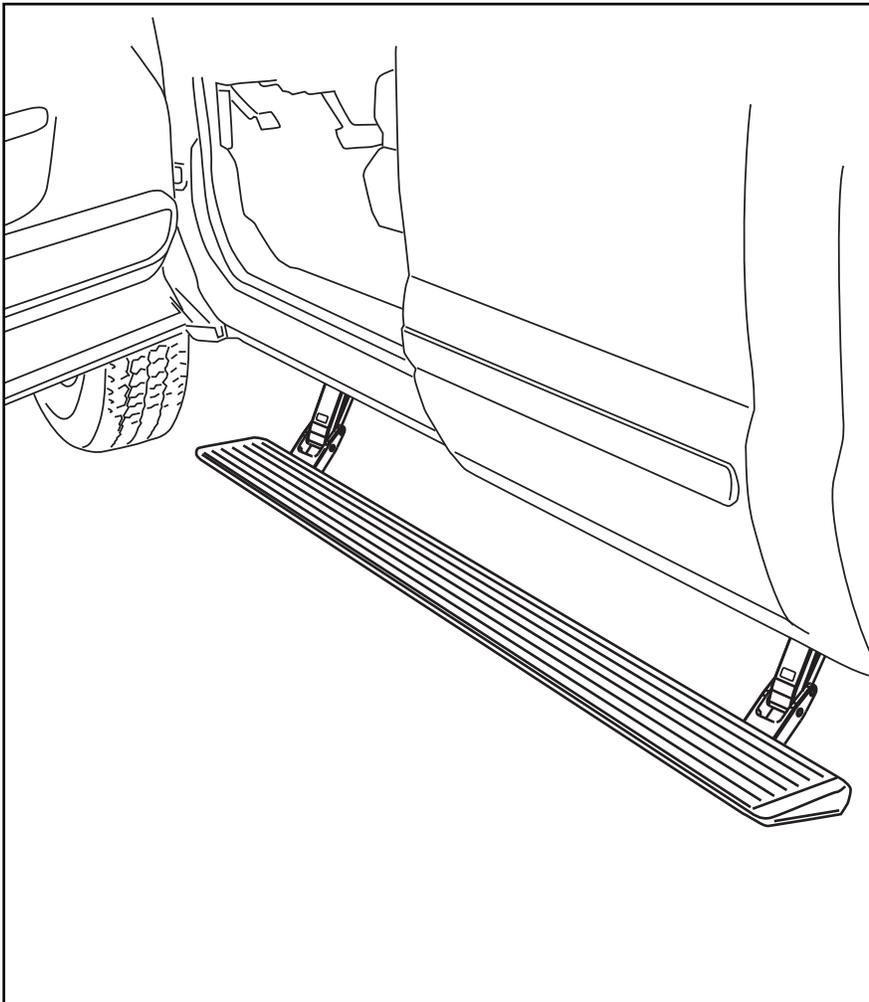
INSTALLATION GUIDE

AMP RESEARCH Power Step

MADE IN USA

APPLICATION	LENGTH	MODEL YR	PART #
Ford Super Duty F-250 / F-350 Regular Cab	(48")	1999–2007	75104-01A
Ford Super Duty F-250 / F-350 Super Cab	(60")	1999–2007	75104-01A
Ford Super Duty F-250 / F-350 Crew Cab	(79")	1999–2007	75104-01A
Ford Excursion*	(79")	2000–2005	75104-01A

*NOTE: Minor modification required for Ford Excursion. See Page 3, items 2 and 3.



INSTALLATION TIME



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 wrench (allen wrench)
- 4mm hex key wrench (allen wrench)
- Electrical tape
- Weather proof caulking (silicone sealer)

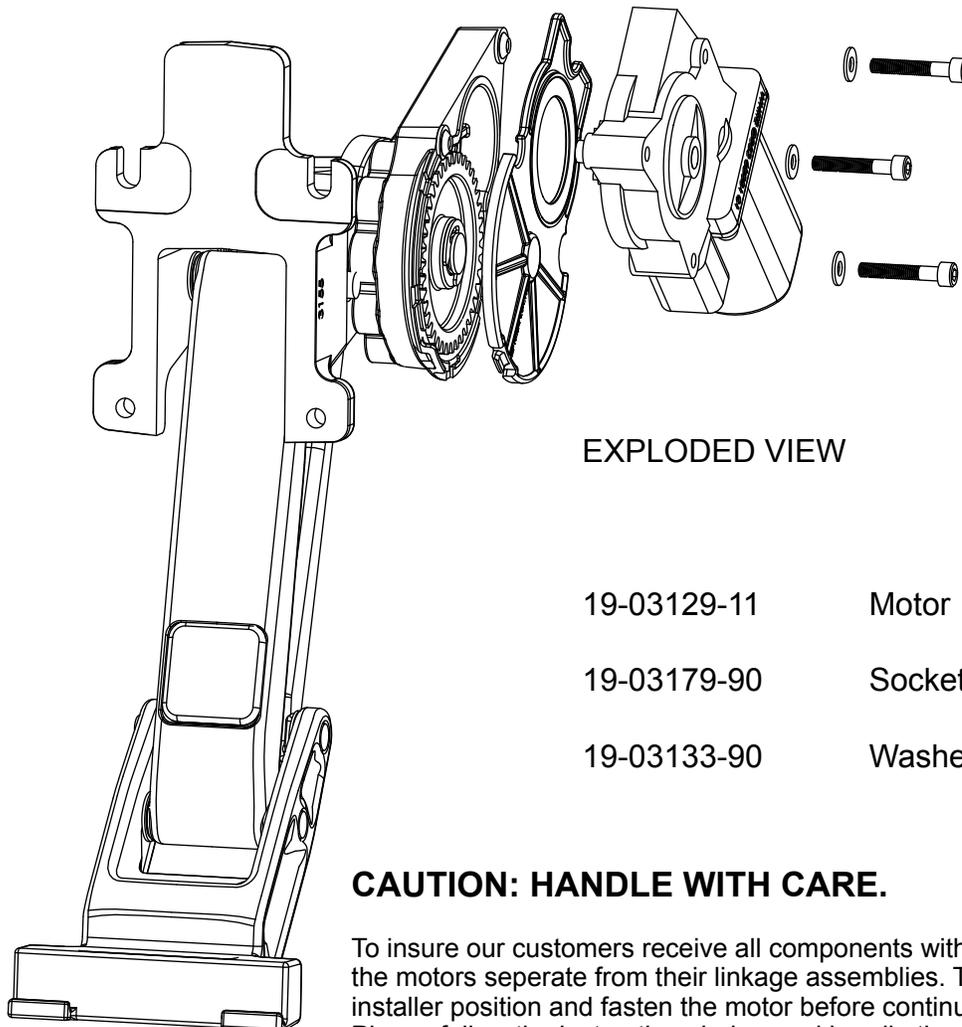
AMP RESEARCH TECH SUPPORT 1-888-983-2204 (Press 2) Monday - Friday, 6:00 AM - 5:00 PM PST

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. 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 insure 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.

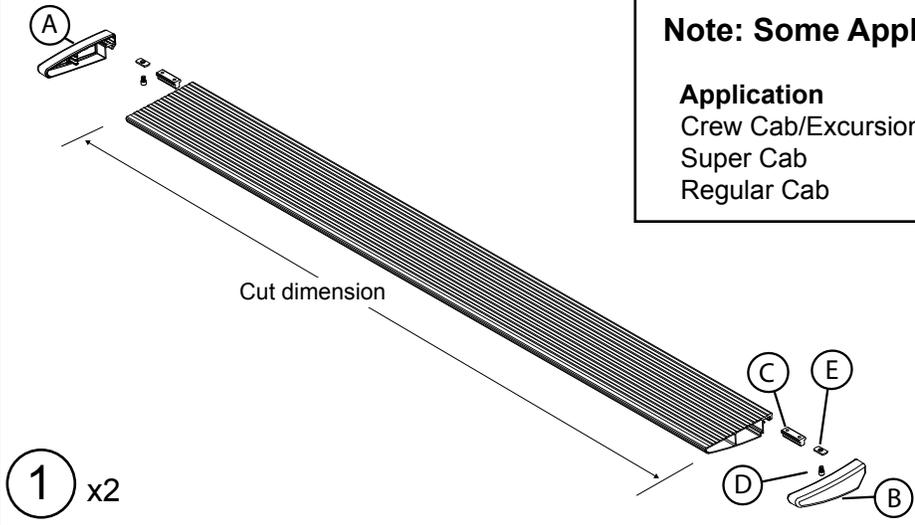
Instructions:

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 T30 Torx. Tighten screws to 80 in-lbs (9N-m). Do not over torque.

AMP RESEARCH POWER STEP – FORD SUPER DUTY & EXCURSION

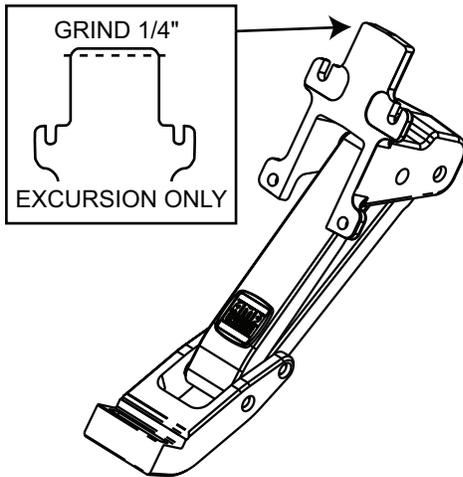
Note: Some Applications require modification.

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

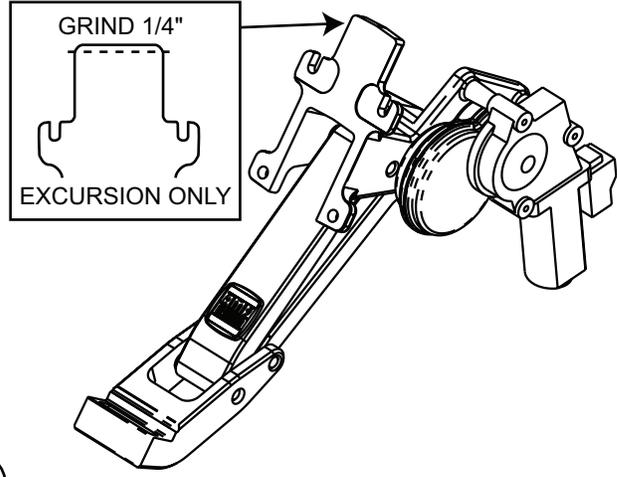


1 x2
20-03314-XX
Running board assembly

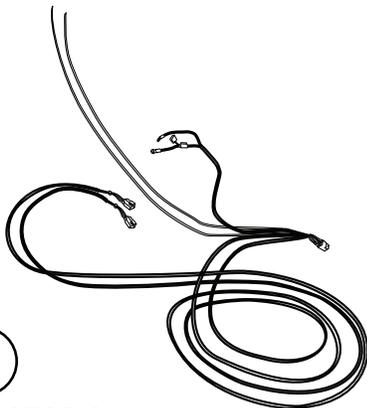
- (A) 19-03225-11 End cap left (x1)
- (B) 19-03225-12 End cap right (x1)
- (C) 19-02663-90 T-nut insert (x2)
- (D) 19-03236-90 Socket cap screw (x2)
- (E) 19-03237-90 Nut plate (x2)



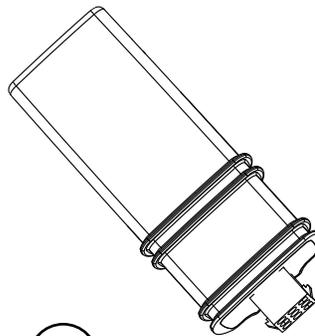
2 x2
10-02641-14
Idler linkage assembly



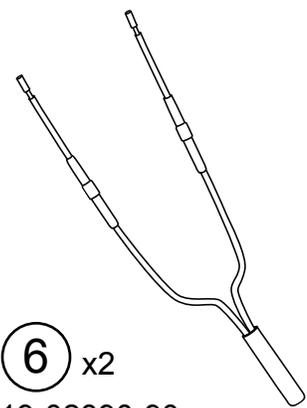
3 x2
10-02624-14
Motor linkage assembly



4
19-02726-91
Wire harness

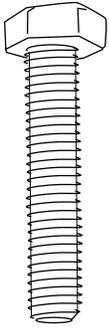


5
19-03297-93
Controller

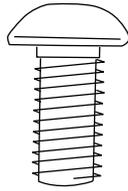


6 x2
19-02890-90
Double-diode

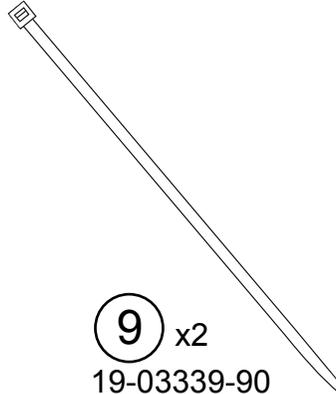
PARTS LIST AND
HARDWARE
IDENTIFICATION



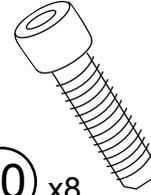
7 x8
19-02487-90
Hex bolt



8 x8
19-02485-90
Button head - M10



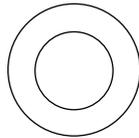
9 x2
19-03339-90
Cable tie (11")



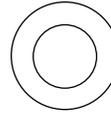
10 x8
19-02802-90
Socket cap screw



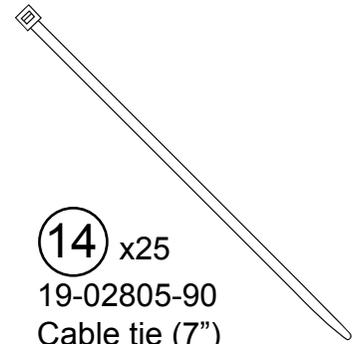
11 x8
19-02488-90
U-nut



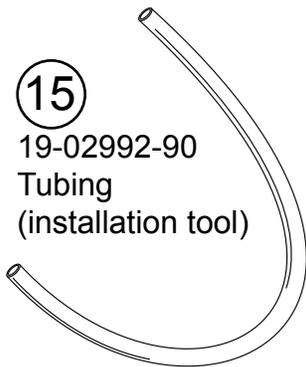
12 x8
19-02486-90
Washer (stainless)



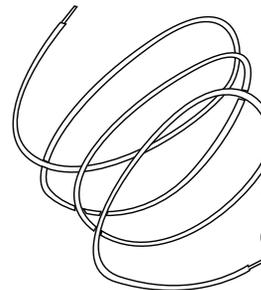
13 x8
16-03014-90
Washer (black)



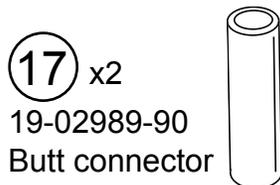
14 x25
19-02805-90
Cable tie (7")



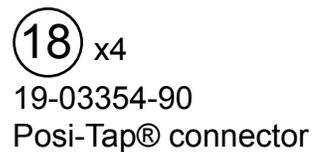
15
19-02992-90
Tubing
(installation tool)



16 x2
19-02986-90
Connecting wire (red)



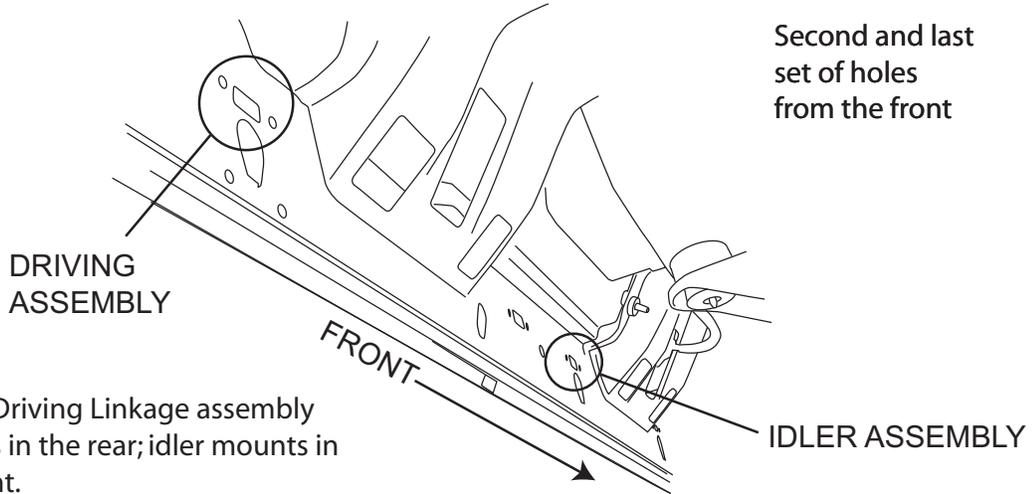
17 x2
19-02989-90
Butt connector



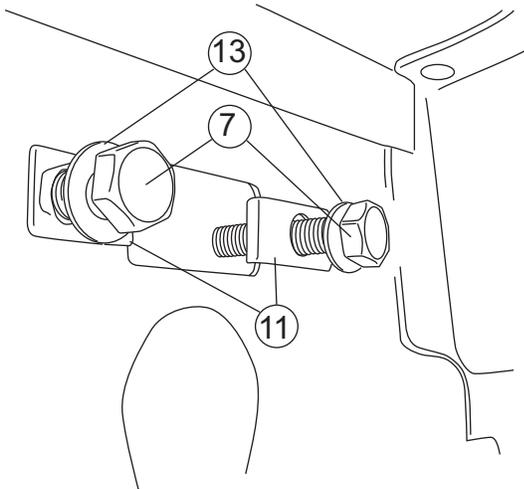
18 x4
19-03354-90
Posi-Tap® connector



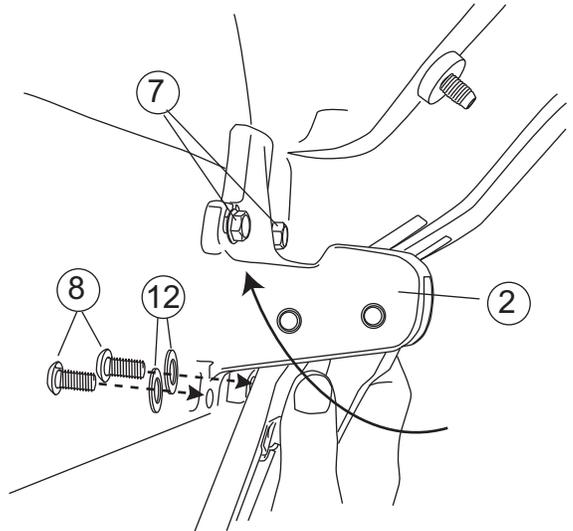
DRIVER SIDE



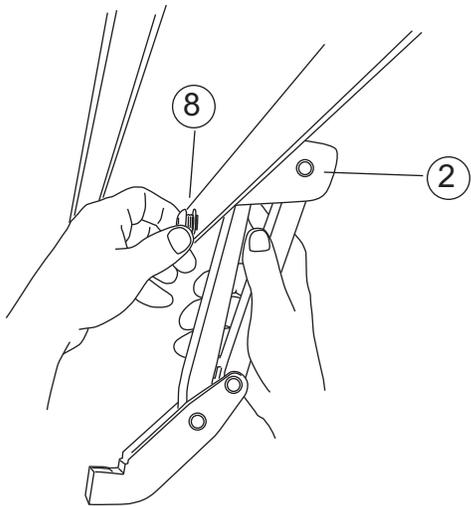
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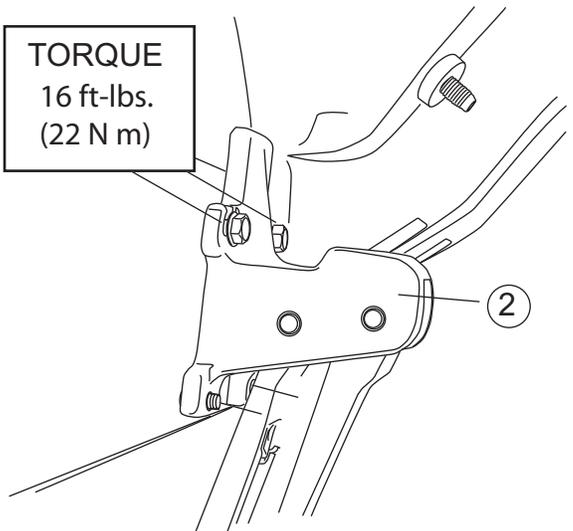
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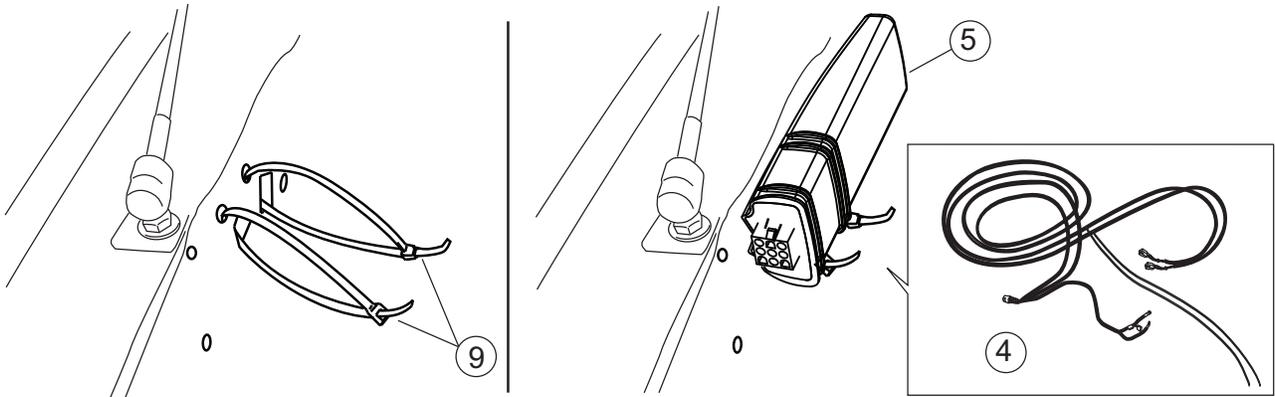
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4

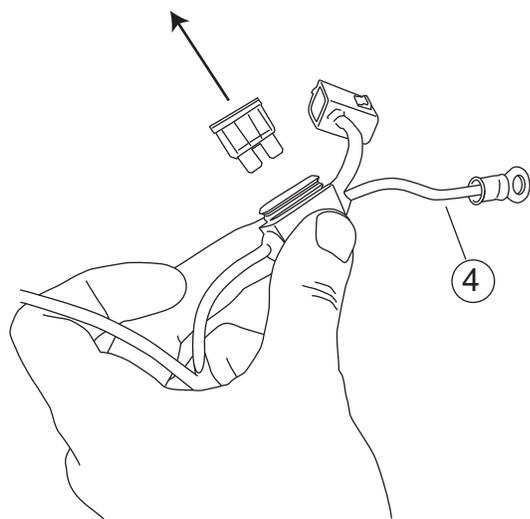


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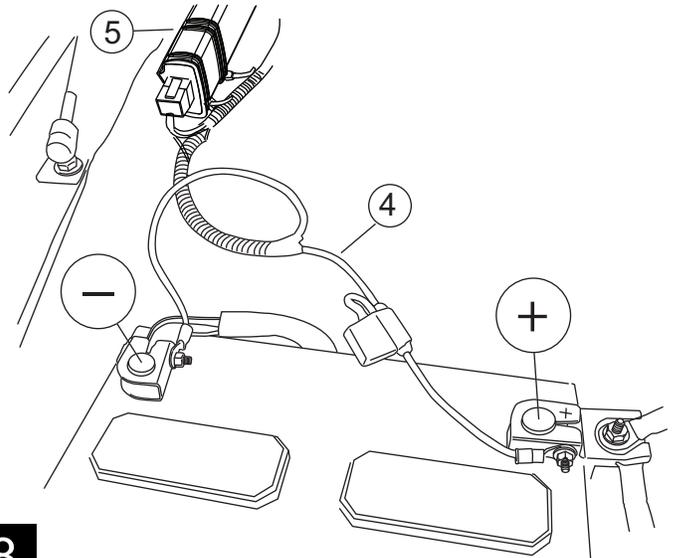


Loop two large tie wraps through fastener cutouts in sheet metal as shown. Position controller as shown above and cinch down tie wraps to secure controller in place. Connect harness to controller. Make sure that locking tabs on controller/harness connector are fully engaged.

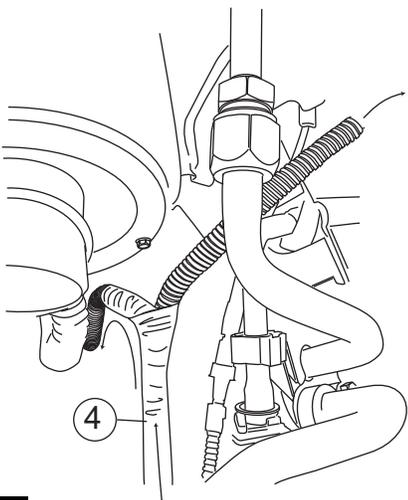
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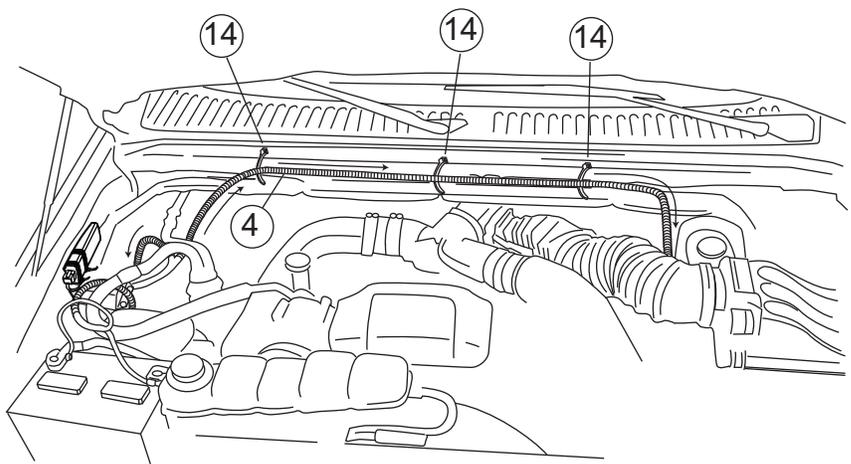
7



8

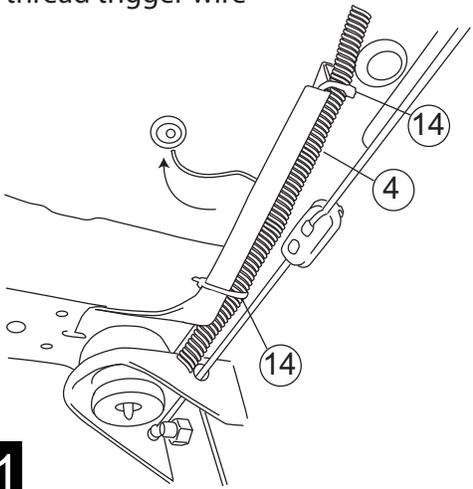


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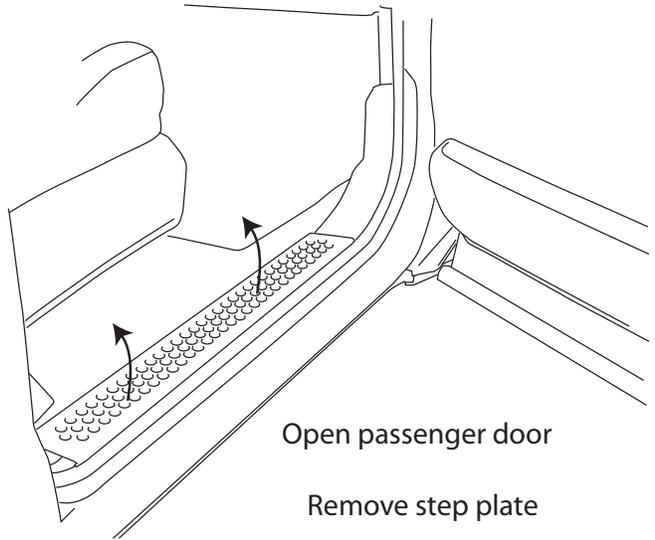


10

Puncture grommet and thread trigger wire



11

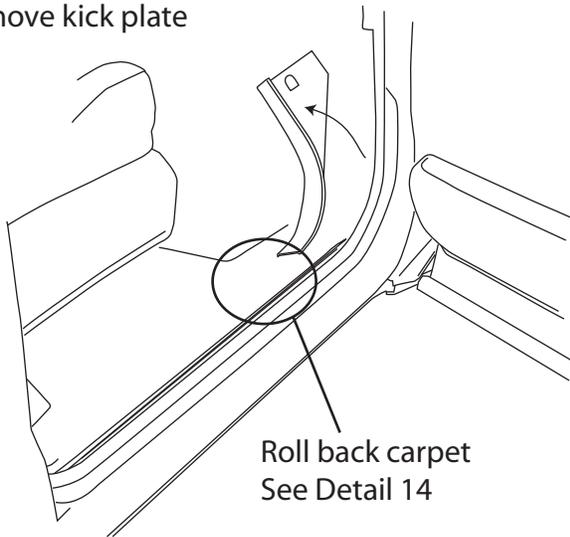


Open passenger door

Remove step plate

12

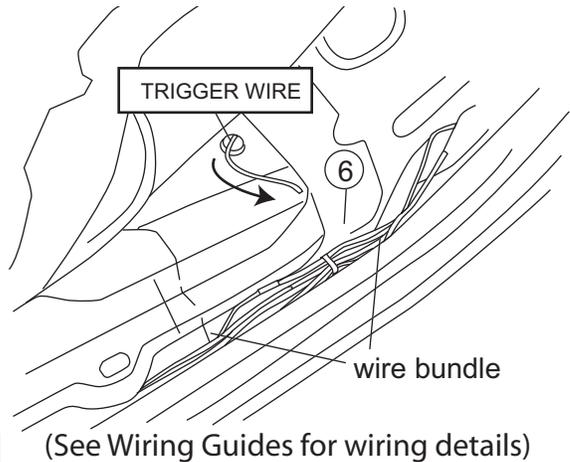
Remove kick plate



Roll back carpet
See Detail 14

13

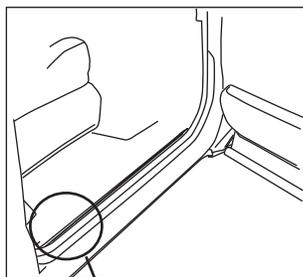
Roll back carpet and pull trigger-wire through grommet.



wire bundle

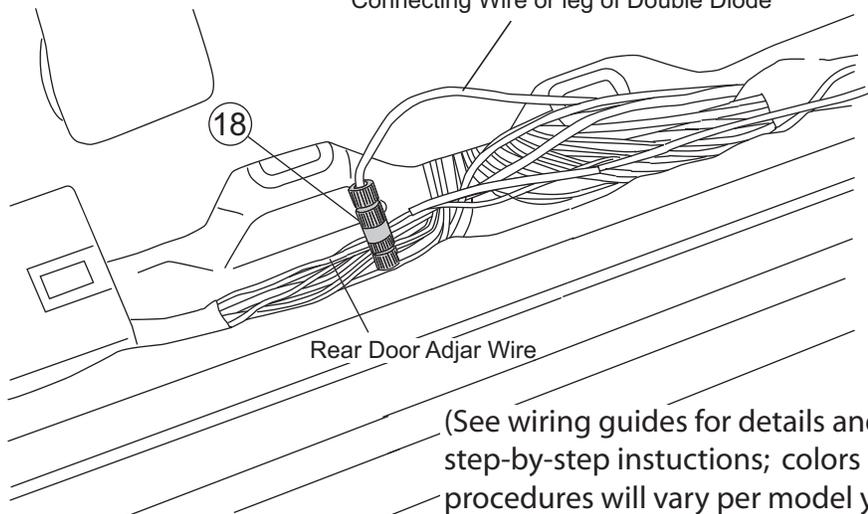
(See Wiring Guides for wiring details)

14



Roll back carpet
See Detail

Connecting Wire or leg of Double Diode

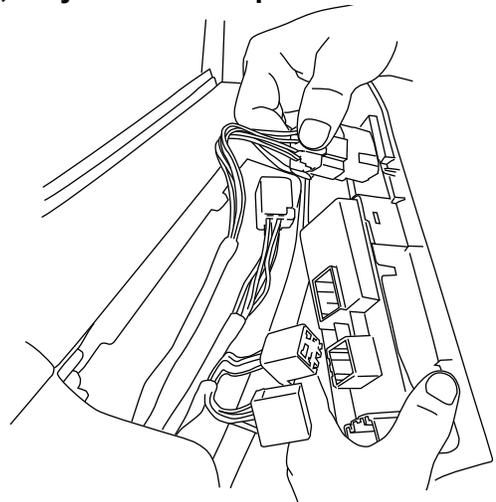
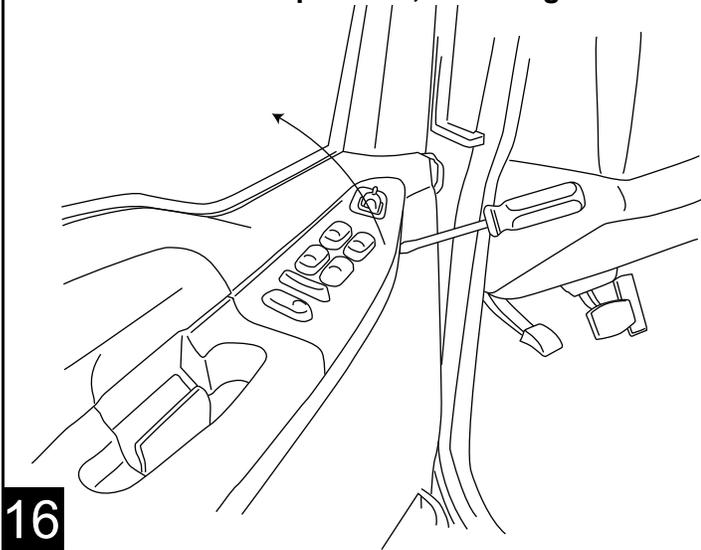


Rear Door Ajar Wire

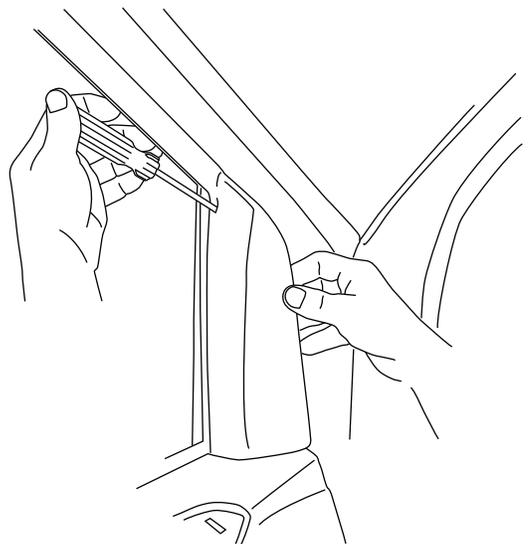
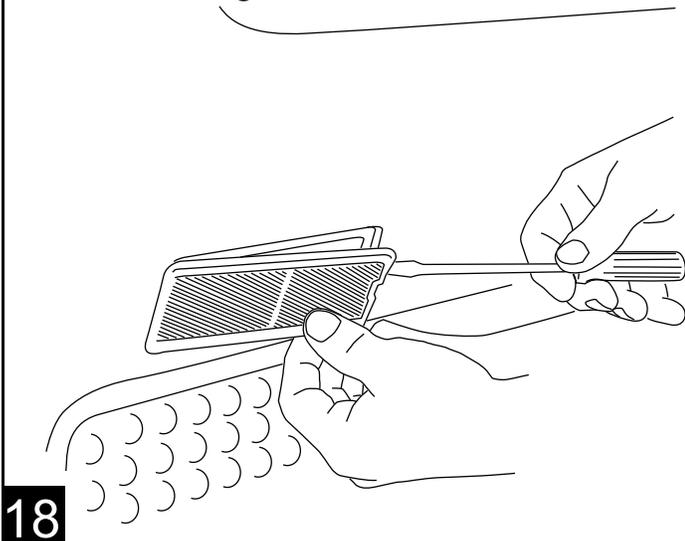
(See wiring guides for details and step-by-step instructions; colors and procedures will vary per model year)

15

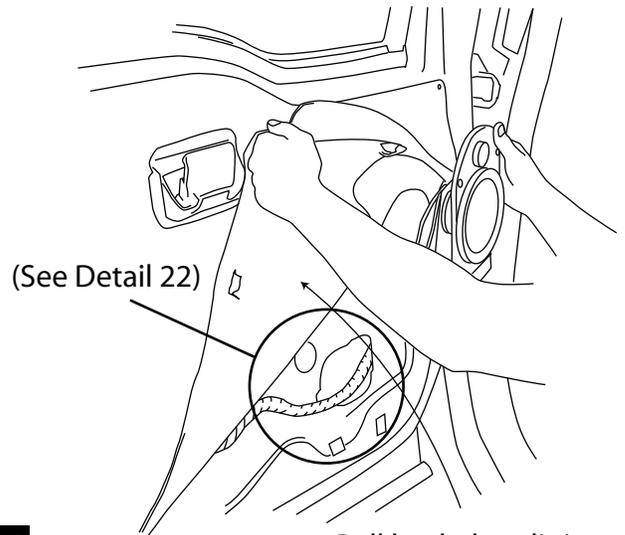
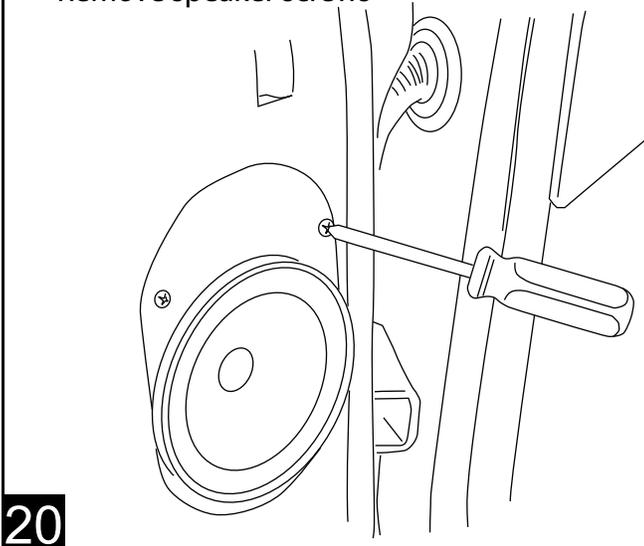
NOTE: Steps 16-25, removing driver's door panel, only for vehicles prior to 2007.



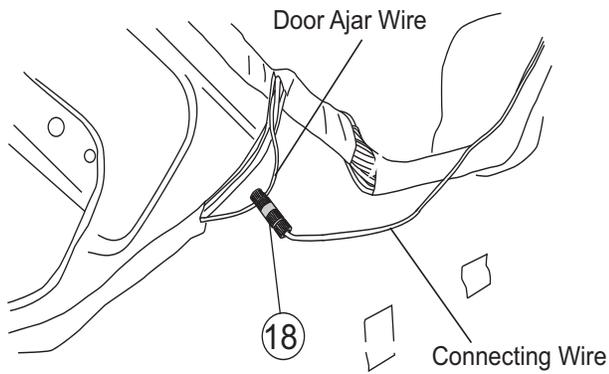
Remove door light



Remove speaker screws



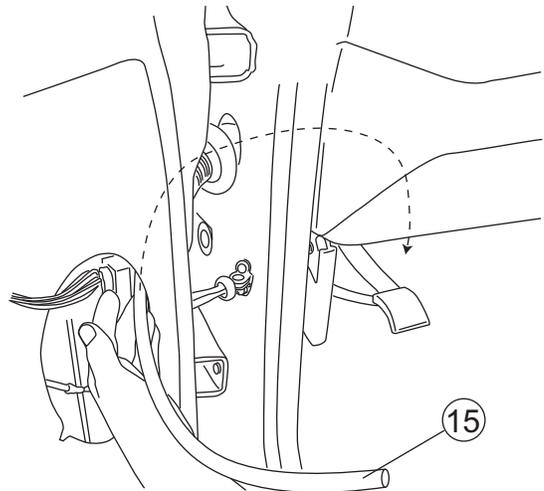
Pull back door lining



(See wiring guides and step-by-step instructions; colors and procedures will vary per model year)

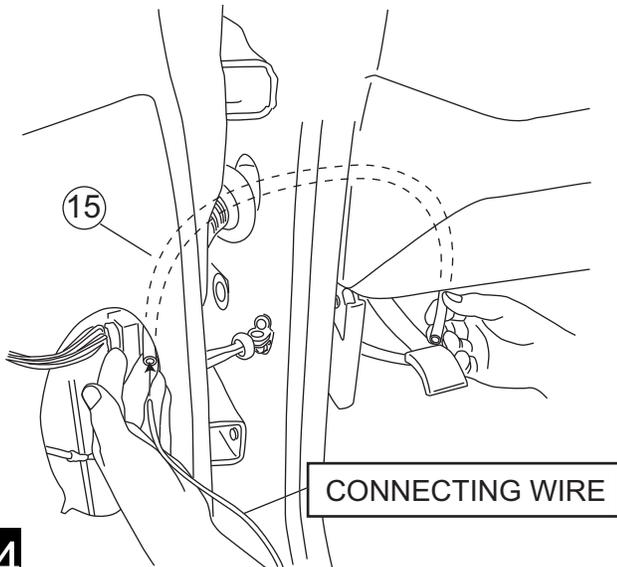
22

Insert plastic tube

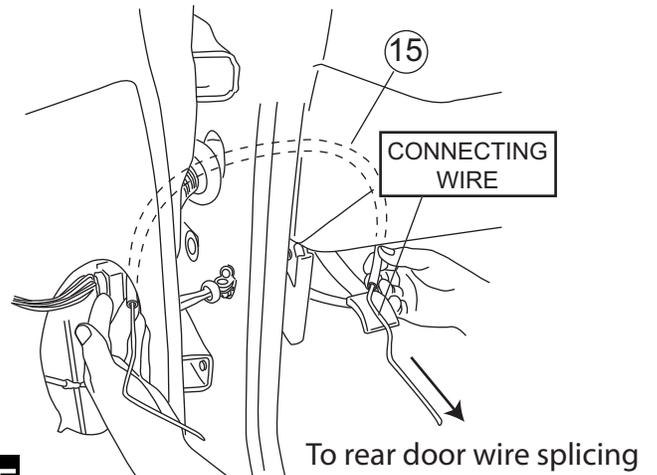


23

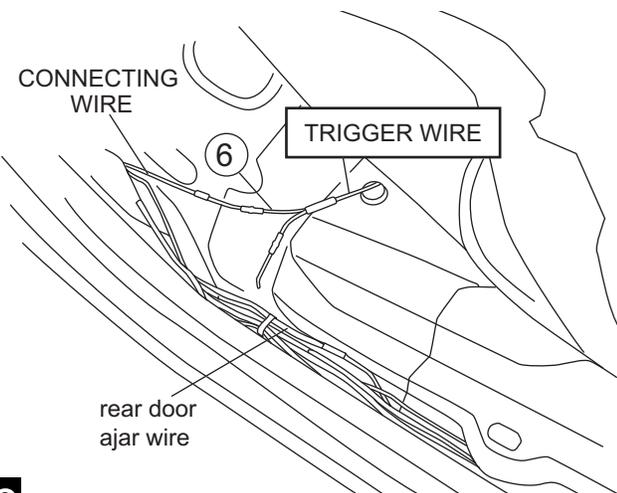
Thread wire through tube then remove tube



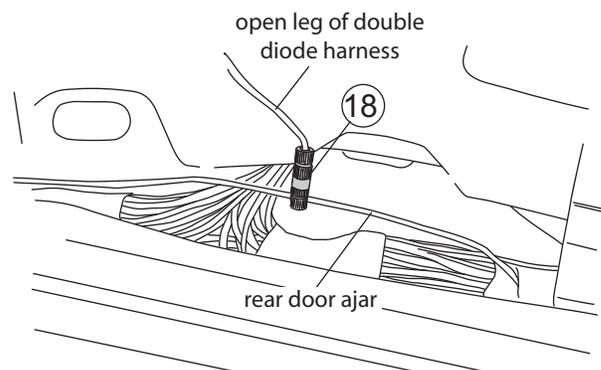
24



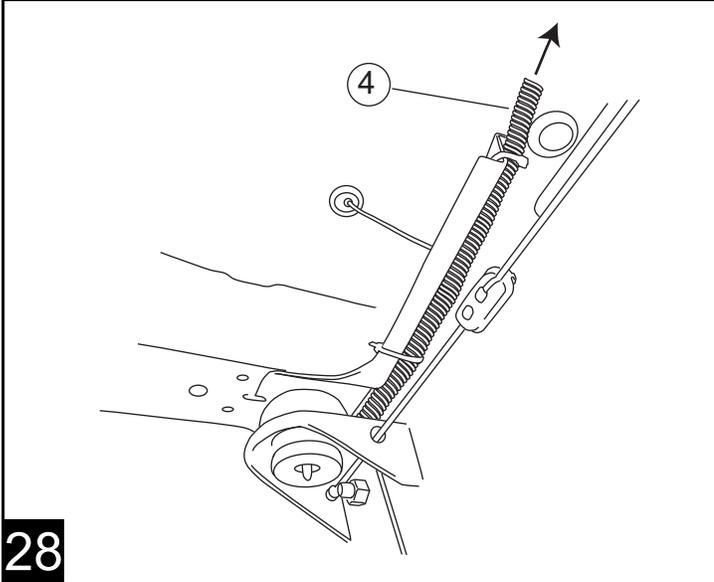
25



26

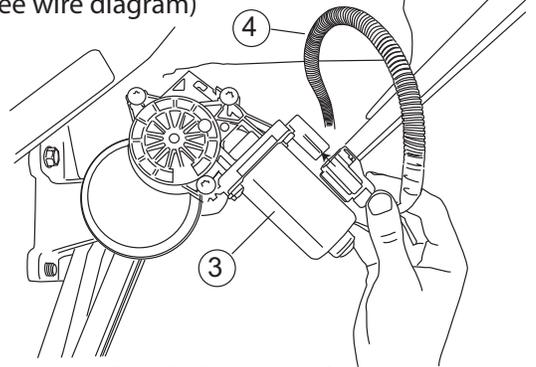


27



28

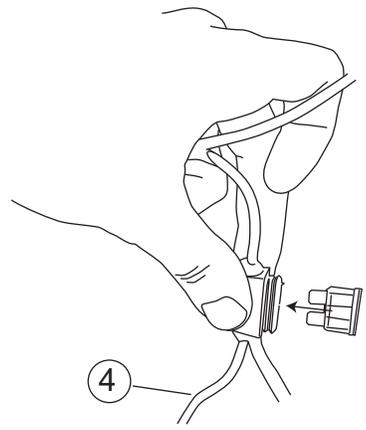
2004 model shown
Some previous year models require that the ORANGE and WHITE wires be reversed
(See wire diagram)



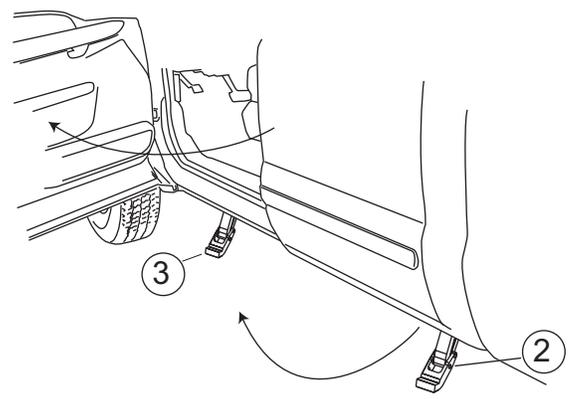
Plug in (both sides)

29

Replace fuse



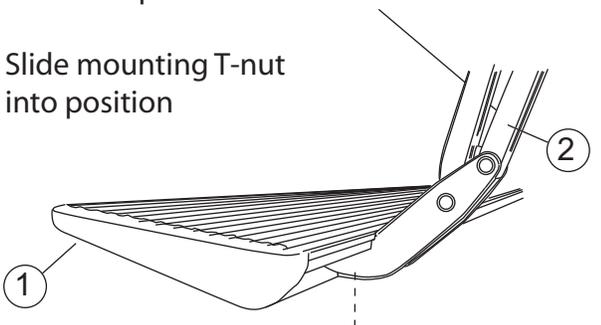
30



Open doors to extend arm
(if not already extended)

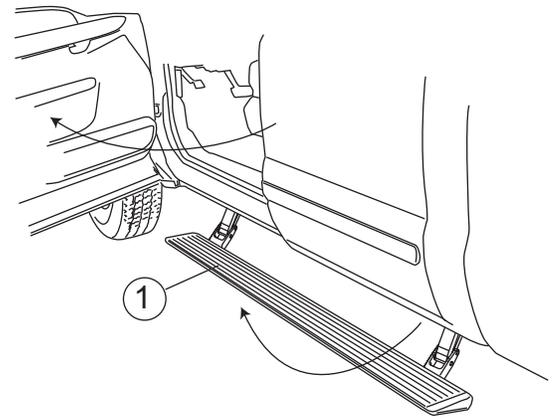
31

Attach step
Slide mounting T-nut into position



TORQUE
10 ft-lbs
(13.5 N m)

32



Open doors to test

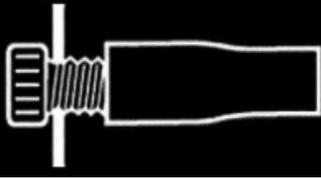
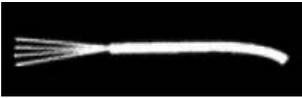
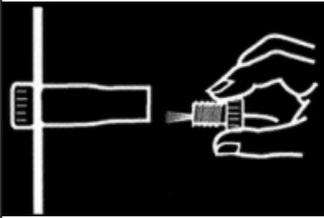
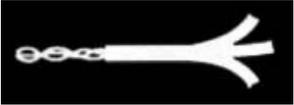
33

AMP RESEARCH Power Step

MADE IN USA

WIRING GUIDE / General instructions

Posi-Tap™ installation instructions

 <p>1. Insert</p>	 <p>2. Tighten</p>	 <p>3. Strip 3/8"</p>
 <p>4. Insert & Tighten</p>	 <p>For two or more wires twist.</p>	<p>Posi-Tap™ Patents: 5,228,875; 5,695,369; 5,868,589, 2,708. Other patents pending.</p>

Diodes

NOTE: 2004-2006 Ford Super Duty trucks **without** remote keyless plus 2001 and older Super Duty trucks **with** remote keyless entry require four (4) additional diodes that are not included in the standard parts kit. If needed, additional diodes (Part # 401.90) may be ordered at no charge and shipped UPS Ground by calling 1-888-983-2206.

CAUTION

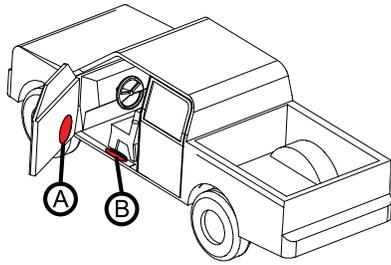
- ❑ Handle the motor and linkage assemblies with care when installing. Dropping can damage motor.
- ❑ Remove fuse from wiring harness during installation. Failure to do so could result in severe electrical shock.

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

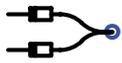
Designed and manufactured by AMP Research. Patent 6,830,257 / 6,641,158 / 6,834,875 / 6,938,909 / 6,942,233 / 7,007,961 Other US and worldwide patents pending.. 5-year limited warranty. Professional installation is recommended.

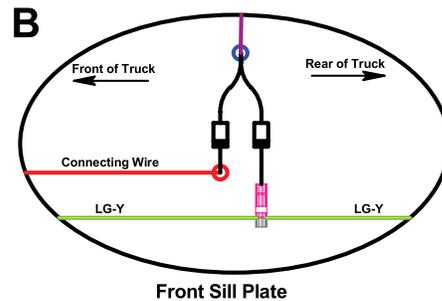
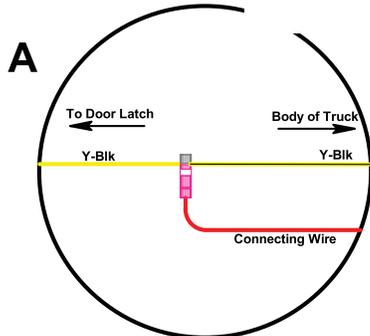
WIRING GUIDE
Ford Super Duty (2007)
With remote keyless entry

07
W



Driver-side wiring

-  **Posi-Tap™ connector**
-  **Double diode harness**
-  **Additional connecting wire (Red - 18 Ga)**
-  **Butt connector**



DRIVER SIDE WIRING

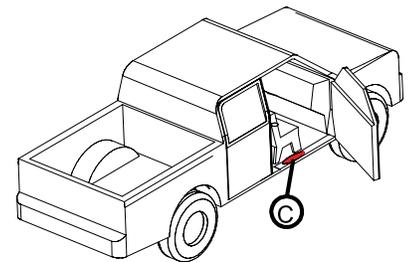
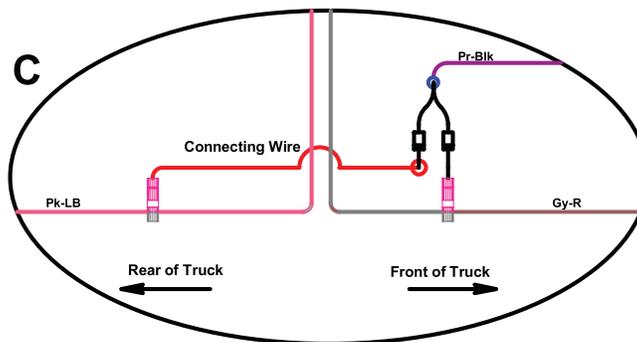
1. Remove front kick panel and locate bundle of wires leaving front door just above e-brake assembly (Area-A). Open bundle and locate 18Ga door-ajar wire (yellow with black stripe).

Caution: You may find two wires with these colors; the correct wire will ground when the door is open (ohm meter will read low resistance with door open and OL (open line) with the door closed).

2. Using supplied Posi-Tap connectors, splice supplied red connecting wire into yellow with black stripe wire.

3. Route red wire down to sill plate.
4. Attach purple Power step trigger wire to blue butt connector of "double diode harness".
5. Attach one leg of "double diode harness" to open end of red connecting wire.
6. Using supplied Posi-Tap connectors, splice remaining leg of "double diode harness" into rear door-ajar wire (light green with yellow stripe) **Caution: You may find two wires with these colors; the correct wire will ground when the door is open (ohm meter will read low resistance with door open and OL (open line) with the door closed).**

Passenger-side wiring



PASSENGER SIDE WIRING

1. Remove sill plate and attach purple Power Step trigger wire to blue butt connector of "double diode harness".
2. Open wire bundle and locate door-ajar wires (rear: pink with light blue stripe; front: grey with red stripe. Both wires pass under front seat as shown in figure-C

3. Using supplied Posi-Tap connectors, splice the open legs of the "double diode harness" into the door-ajar wires.
4. If necessary, attach red connecting wire to "double diode harness" to extend length as needed.

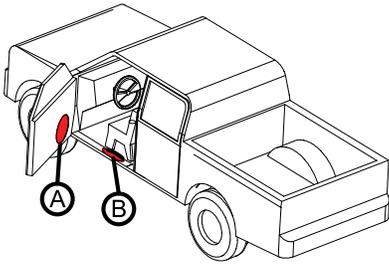
Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

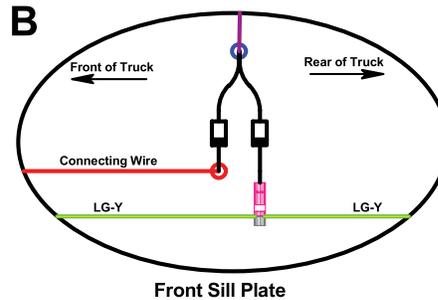
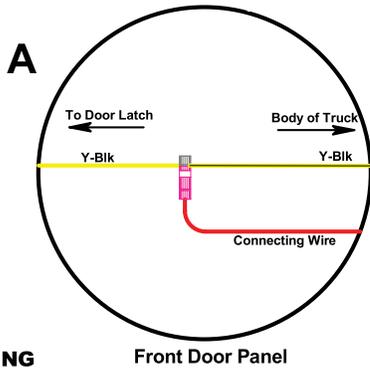
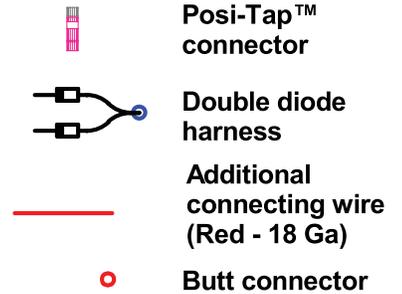
WIRING GUIDE
Ford Super Duty (2004 - 2006)
With remote keyless entry

04 - 06

W



Driver-side wiring

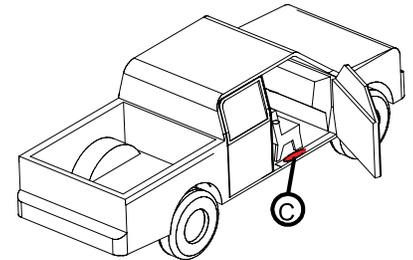
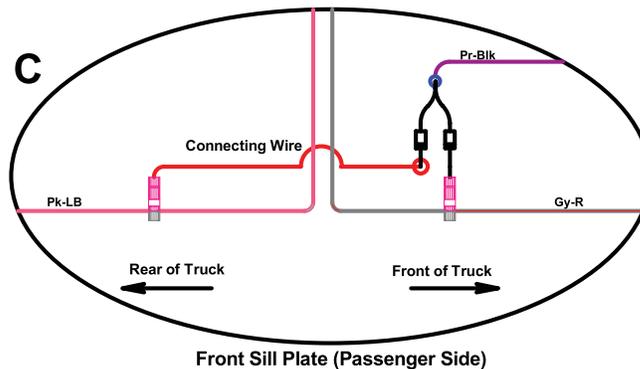


DRIVER SIDE WIRING

1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga door-ajar wire (yellow with black stripe). **Caution: You may find two wires with these colors; use wire that leads out to door latch.**
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into yellow with black stripe wire.
3. Route red wire back into cab of vehicle.
4. Attach purple Power Step trigger wire to blue butt connector of "double diode harness".

5. Attach one leg of "double diode harness" to open end of red connecting wire.
6. Using supplied Posi-Tap™ connectors, splice remaining leg of "double diode harness" into rear door-ajar wire (light green with yellow stripe). **CAUTION: You will find two wires with these colors; the correct wire will ground when the door is open (ohm meter will read low resistance with door open and OL with door closed).**

Passenger-side wiring



PASSENGER SIDE WIRING

1. Remove sill plate and attach purple Power Step trigger wire to blue butt connector of "double diode harness".
2. Open wire bundle and locate door-ajar wires (rear: pink with a light blue stripe; front: grey with red stripe). Both wires pass under the front seat as shown in figure-C.

3. Using supplied Posi-Tap™ connectors, splice the open legs of "double diode harness" into door-ajar wires.
4. Attach Posi-Tap splice to this wire as shown in Figure-C. **NOTE: As shown above, you may have to use the supplied red connecting wire to extend to the installed Posi-Taps.**

Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

WIRING GUIDE

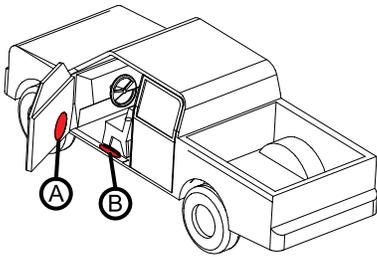
Ford Super Duty (2004 - 2006)

Without remote keyless entry

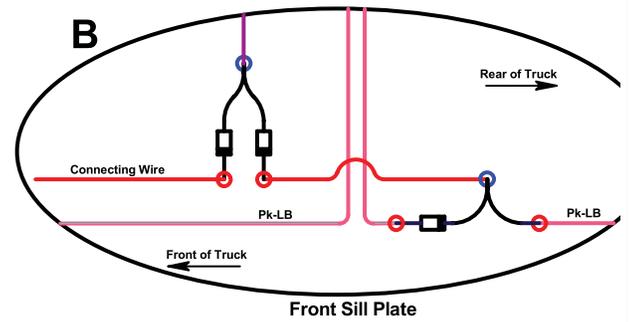
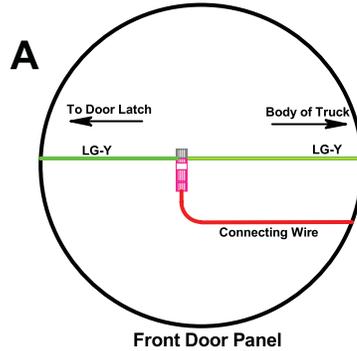
SINGLE DIODES REQUIRED

If diodes were not ordered with kit, they can be ordered at no charge and shipped UPS Ground by calling 1-888-983-2206

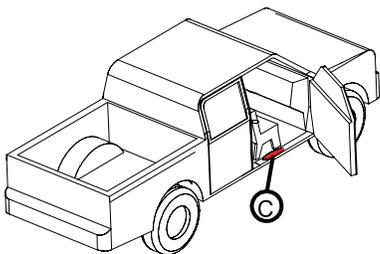
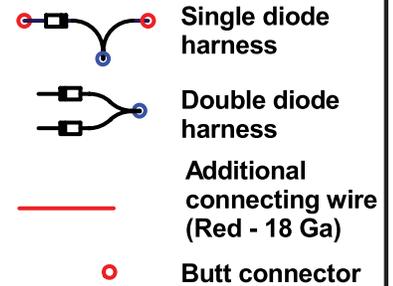
04 - 06
W/O



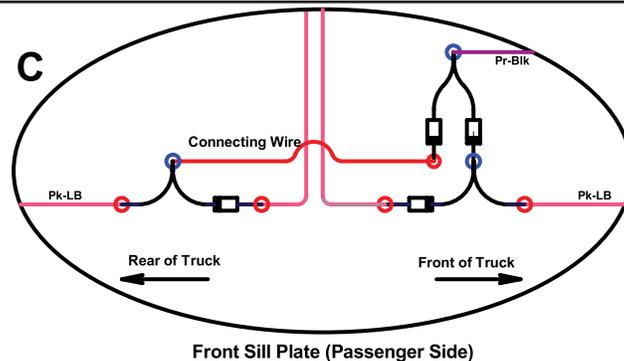
Driver-side wiring



1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga door-ajar wire (light green with yellow stripe).
Caution: You may find two wires with these colors; use wire that leads out to door latch.
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into light green with yellow stripe wire.
3. Route red wire into cab of vehicle and back toward sill plate area.
4. Remove sill plate, open wire bundle and locate rear door-ajar wire (pink with a light blue stripe).
Caution: Make certain to locate the pink with light blue stripe wire rear of the junction where the wires cross under front seat. See figure B..
5. Cut wire and install "single diode harness" as oriented in Figure-B.
6. Attach red connecting wire routed from area-A to the open blue butt connector of "single diode harness" installed in step 5.
7. Attach blue connector of "double diode harness" to the purple signal wire of Powerstep harness that was pulled through the floor.
9. Cut the red connecting wire near the "double diode harness". Use butt connectors to connect each cut end of the connecting wire to the open legs of the "double diode harness".



Passenger-side wiring



1. Remove front sill plate, open wire bundle and locate rear door-ajar wire (pink with a light blue stripe). This wire will be located rear of the junction where the wires route under the front passenger seat.
2. Cut wire and install "single diode harness" as oriented in Figure-C.
3. Locate front door-ajar wire (also pink with a light blue stripe). This wire will be located in front of the junction where the wires route under the front passenger seat.
4. Cut wire and install "single diode harness" as oriented in the figure above.
5. After both "single diode harnesses" have been installed, attach the supplied connecting wire to the blue connector of the rear "single diode harness".
6. After trimming to length, attach the opposite end of the connecting wire and the purple signal wire of the Powerstep harness to the blue connector on the front "single diode harness".

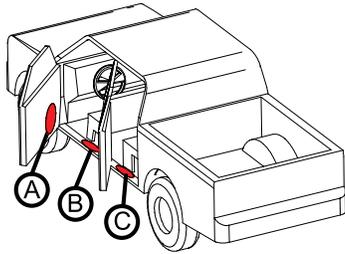
Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

WIRING GUIDE
Ford Super Duty (2002 - 2003)
With remote keyless entry

NOTE: The two wires to each of the motor plugs (orange and white) must be reversed.

02 - 03
W



Driver-side wiring



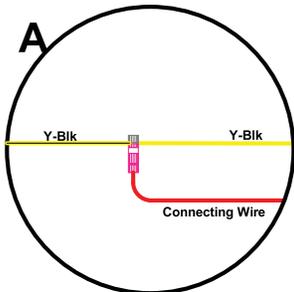
Posi-Tap™ connector



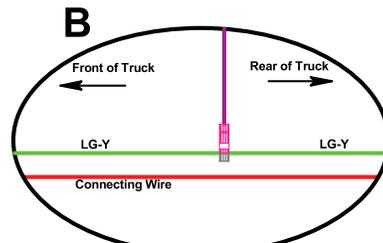
Additional Connecting Wire (Red - 18 Ga)



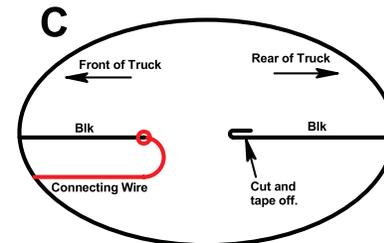
Butt Connector



Front Door Panel



Front Sill Plate



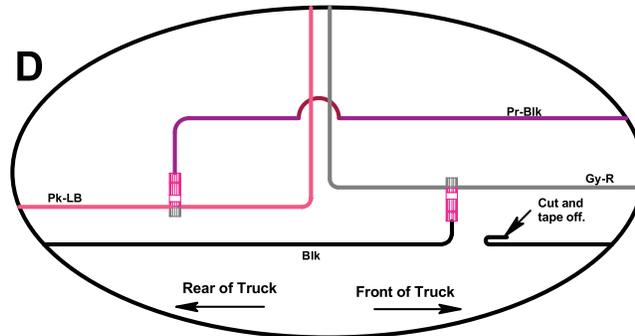
Rear Sill Plate

DRIVER SIDE WIRING

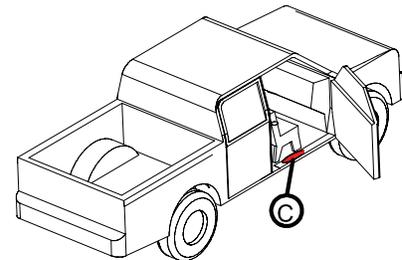
1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18 Ga door-ajar wire (yellow with black stripe). **CAUTION:** You may find two wires with these colors; use wire that leads out to door latch.
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into yellow with black stripe wire.
3. Route red wire back into cab of vehicle and back toward rear sill plate.

4. Remove rear sill plate, open wire bundle and locate 18 Ga. black wire. Cut this wire and attach the end of the connecting wire from step-3 as shown in figure-C.
5. Using supplied Posi-Tap™ connectors, splice purple Power Step trigger wire into rear door-ajar wire (light green with yellow stripe), located under front sill plate. **CAUTION:** You will find two wires with these colors; the correct wire will ground when the door is open (ohm meter will read low resistance with door open and OL with door closed).

Passenger-side wiring



Front Sill Plate (Passenger Side)



PASSENGER SIDE WIRING

1. Remove passenger side front sill plate, open wire bundle and locate rear door-ajar wire (pink with light blue stripe). This wire will be located rear of junction where wires route under from passenger seat.
2. Using supplied Posi-Tap™ connectors, splice purple Power Step trigger wire into pink with light blue stripe wire.

3. Cut the black 18 Ga wire found in wire bundle, forward of junction where wires route under front seat.
4. Using supplied Posi-Tap™ connectors, splice rear section of cut black wire into front door-ajar wire (grey with red stripe) as shown above.
5. Tape off the remaining open end of the black wire (front section).

Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

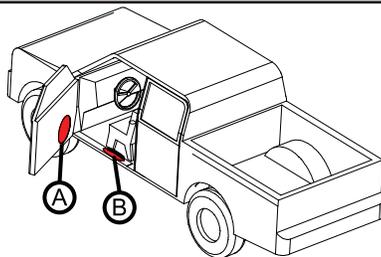
WIRING GUIDE

Ford Super Duty (2002 - 2003)

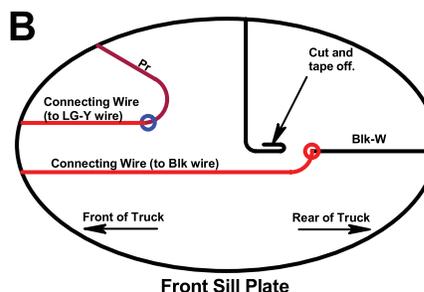
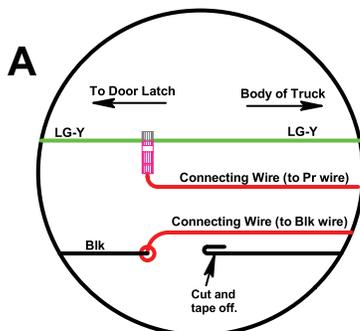
Without remote keyless entry

NOTE: The two wires to each of the motor plugs (orange and white) must be reversed.

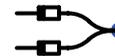
02 - 03
W/O



Driver-side wiring



Posi-Tap™
connector



Double Diode
Harness



Additional
Connecting Wire
(Red - 18 Ga)



Butt Connector

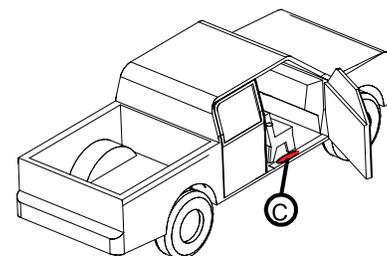
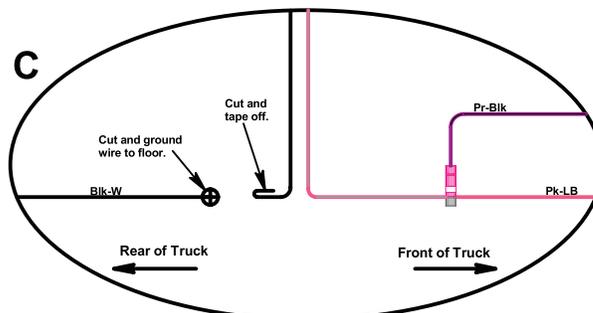
DRIVER SIDE WIRING

Front Door Panel

1. Remove door panel, access a bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga. door-ajar wire (light green with yellow stripe).
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into light green with yellow stripe wire.
3. Locate black 18Ga. wire in the same area (Area-A). Cut wire and attach another connecting wire to one end as shown above. Tape off the open end as shown above.
4. Route both connecting wires through door and accordion back toward front sill plate (Area-B).

5. Open wire bundle under front sill plate and locate the door-ajar wire (black with a white stripe).
6. Cut this wire and connect the other end of the connecting wire that comes from the black wire of step 3 to the rearward end of the wire. Tape off the open end of the cut wire as shown in Figure-B.
7. Attach the other connecting wire (from yellow with black stripe wire) to the purple signal wire from the Powerstep harness.

Passenger-side wiring



PASSENGER SIDE WIRING

Front Sill Plate (Passenger Side)

1. Remove front sill plate of passenger side, open wire bundle and locate front door-ajar wire (pink with a light blue stripe). This wire will be located forward of the junction where the wires route under the passenger seat.
2. Using supplied Posi-Tap™ connectors, splice purple Power Step trigger wire into light pink with light blue stripe wire.

3. Locate the ground wire for the rear door-ajar wire (black with a white stripe). This wire will be located rear of junction where the wires route under the passenger front seat.
4. Cut this wire (black with white stripe) and ground the one end as shown above to the vehicle's ground (suggestion: use ring terminal and sheet metal screw or extend wire to a grounded terminal). Tape off open end.

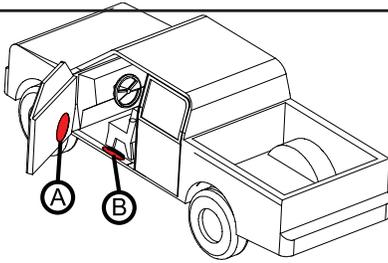
Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

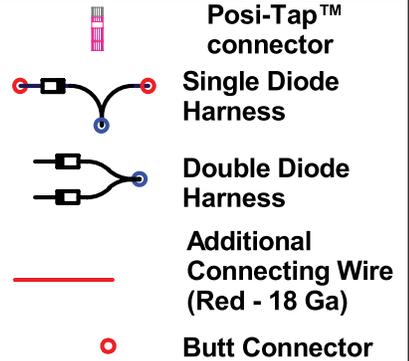
WIRING GUIDE
Ford Super Duty (2001)
With remote keyless entry

SINGLE DIODES REQUIRED
 If diodes were not ordered with kit, they can be ordered at no charge and shipped UPS Ground by calling 1-888-983-2206

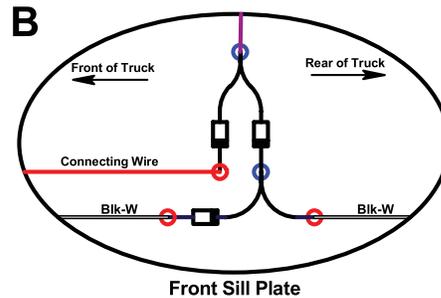
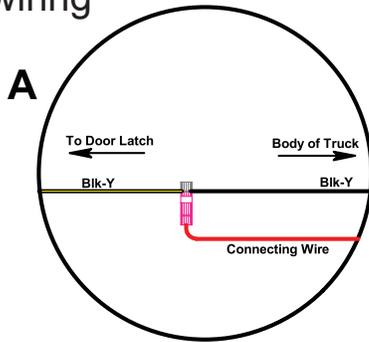
99 - 01
W



NOTE: On 2001 and older models the factory harness does not split and cross over from passenger to driver side under front seats, but does on all other model years.



Driver-side wiring



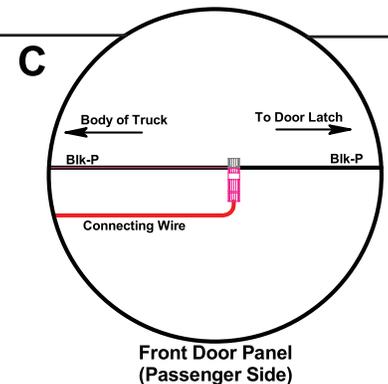
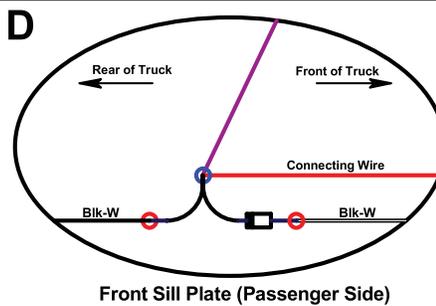
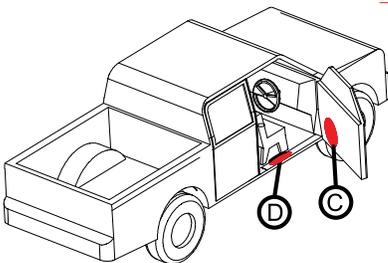
DRIVER SIDE WIRING

Front Door Panel

1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga door-ajar wire (yellow with black stripe). **Caution: You may find two wires with these colors; use wire that leads out to door latch.**
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into yellow with black stripe wire.
3. Route red wire back into cab of vehicle.
4. Attach purple Power Step trigger wire to blue butt connector of "double diode harness".

4. After removing the front sill plate, open wire bundle and locate rear door-ajar wire (black with a white stripe).
5. Cut wire and install "single diode harness" as oriented in the Figure-B.
6. Connect blue connector of "double diode harness" to purple Power Step trigger wire that was pulled through the floor.
7. Attach connecting wire that comes from Area-A as shown in the figure using supplied red butt connector.
8. Attach the open blue connector of "single diode harness" to the remaining open leg of "double diode harness".

Passenger-side wiring



PASSENGER SIDE WIRING

1. Remove front passenger door panel and access a bundle of wires below and to the right of the speaker (Area-C). Open bundle and locate 18Ga door-ajar wire (black with a pink stripe).
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into black with pink stripe wire.
3. Route red wire back into cab of vehicle and down to sill plate.

4. Remove step plate (Area-D), open wire bundle and locate rear door-ajar wire (black with a white stripe).
5. Cut wire and install "single diode harness" as oriented in Figure-C.
6. Attach connecting wire from step-3 and purple signal wire from Powerstep harness to "single diode harness" as shown in Figure-D.

Notes:

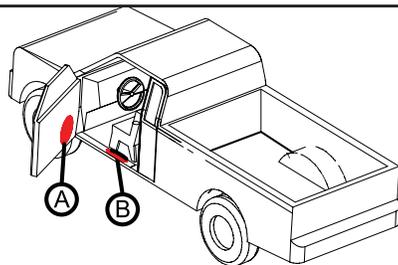
1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

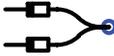
WIRING GUIDE

Ford Super Duty (2004 - 2006) Regular Cab & Extended Cab
With remote keyless entry

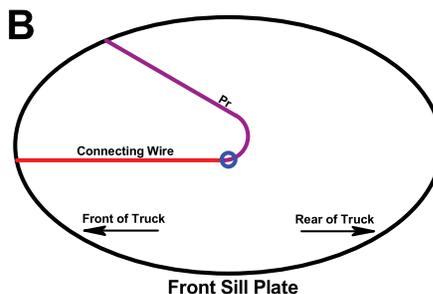
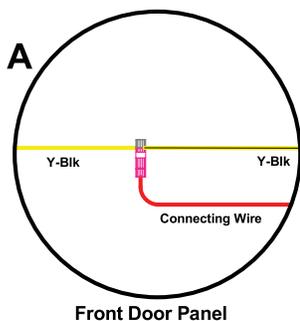
04 - 06

W



-  Posi-Tap™ connector
-  Double Diode Harness
-  Additional Connecting Wire (Red - 18 Ga)
-  Butt Connector

Driver-side wiring

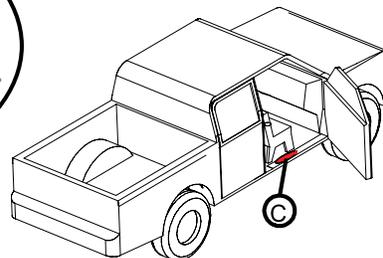
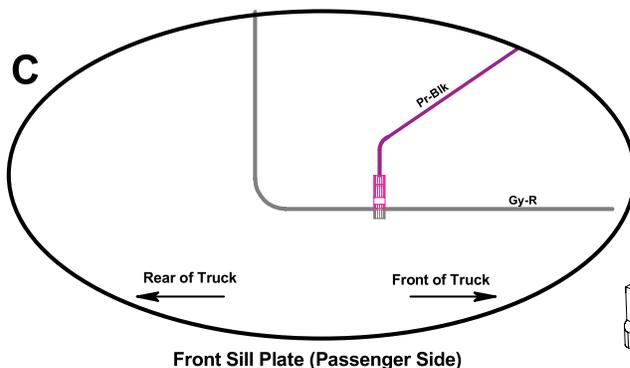


DRIVER SIDE WIRING

1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga door-ajar wire (yellow with black stripe). **Caution: You may find two wires with these colors; use wire that leads out to door latch.**
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into yellow with black stripe wire.

3. Route red wire into cab of vehicle and back toward sill plate area.
4. After removing the front door step plate, attach the connecting wire to the purple signal wire from Powerstep harness that was pulled through the floor.

Passenger-side wiring



PASSENGER SIDE WIRING

1. Removing the passenger side front sill plate, open wire bundle and locate the rear door-ajar wire (gray with a red stripe).
2. Using supplied Posi-Tap™ connectors, splice supplied purple Power Step trigger wire into gray with red stripe wire.

Notes:

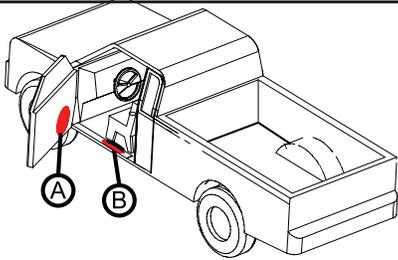
1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

WIRING GUIDE

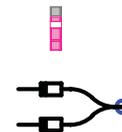
Ford Super Duty (2002 - 2003) Regular Cab & Extended Cab
With remote keyless entry

02 - 03

W



NOTE: The two wires to each of the motor plugs (orange and white) must be reversed.



Posi-Tap™ connector

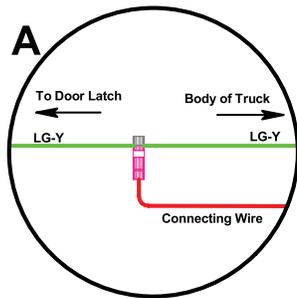
Double Diode Harness

Additional Connecting Wire (Red - 18 Ga)

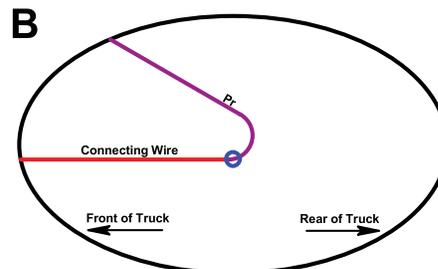


Butt Connector

Driver-side wiring



Front Door Panel



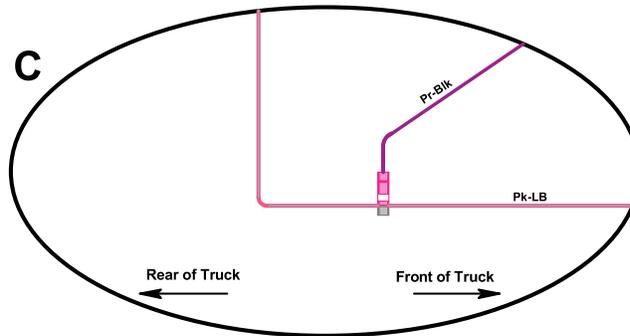
Front Sill Plate

DRIVER SIDE WIRING

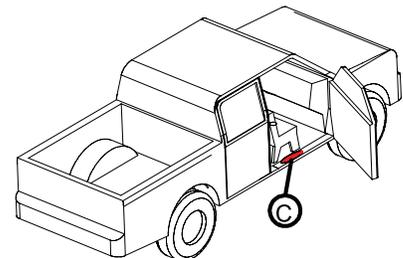
1. Remove front door panel and locate bundle of wires below and to the left of speaker (Area-A). Open bundle and locate 18Ga door-ajar wire (light green with yellow stripe). **Caution: You may find two wires with these colors; use wire that leads out to door latch.**
2. Using supplied Posi-Tap™ connectors, splice supplied red connecting wire into light green with yellow stripe wire.

3. Route red wire into cab of vehicle and back toward sill plate area.
4. After removing the front door step plate, attach the connecting wire to the purple signal wire from Powerstep harness that was pulled through the floor.

Passenger-side wiring



Front Sill Plate (Passenger Side)



PASSENGER SIDE WIRING

1. Removing the passenger side front sill plate, open wire bundle and locate the rear door-ajar wire (pink with a light blue stripe).
2. Using supplied Posi-Tap™ connectors, splice supplied purple Power Step trigger wire into pink with light blue stripe wire.

Notes:

1. All of the signal wires we tap into will be 18Ga. Do not tap into anything with a thicker gage than this.
2. Occasionally the wire colors do not match the wire schematics. Under these circumstances you will need to locate the door-ajar signal wires. Each door will have one wire leading out to its latch and one ground wire coming away. The ground wire will usually be solid black. The signal wire we need is the other wire.
3. Make sure you secure all wires after install. Loose wires can be damaged and may cause a failure in the Powerstep's function.

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