INSTALLATION GUIDE			
<b>PowerSt</b> Made in	<b>C</b> U S A	XTC	
APPLICATION Ford F-250 / F-350 / F-450 Regular Cab * Ford F-250 / F-350 / F-450 Super Cab * Ford F-250 / F-350 / F-450 Crew Cab *Modification required to running board assembly. See Item 1 on pa	LENGTH (48") (60") (79") ge 3.	MODEL YR 2008-2016 2008-2016 2008-2016	<b>PART #</b> 78234-01A 78234-01A 78234-01A
		INST. Profession	ALLATION TIME 2-3 HOURS onal installation recommended KILL LEVEL 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 3 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Invented, engineered and manufactured exclusively by AMP Research in the USA. May be covered by one of the following patents: 6,641,158; 6,830,257; 6,834,875; 6,938,909; 7,055,839; 7,380,807; 7,398,985; 7,584,975 ©2012 AMP Research. All rights reserved. Printed in USA.			
Printea in USA. 1/10			

INSTALLATION GUIDE Attaching motor to linkage assembly

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



# 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.** 







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# AMP RESEARCH POWERSTEP™ - FORD SUPER DUTY



# AMP RESEARCH POWERSTEP™ - FORD SUPER DUTY

Remove fuse from harness.



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.



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 (2) on Drivers side through grommet as shown below.

Driver-Side

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# AMP RESEARCH POWERSTEPTM – FORD SUPER DUTY Open driver door and remove sill plate and kick panel. Wire OBD II connector with Posi-Splice and plug into port. Image: Splice and plug into port. <tr

**OBD II install:** Use Supplied Posi Twist connectors to attach the Plug and Play Module to the Harness. Attach matching colors on the harness to the wires on the module. Plug in module to OBD II port on the vehicle. Secure harness with supplied tie wraps.

Note: If the OBD II pass thru harness (76404-01A) was purchased see install sheet supplied in packaging. The pass through harness allows for an open port for other accessories. See below for a brief description.







# AMP RESEARCH POWERSTEP<sup>TM</sup> - FORD SUPER DUTY

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

![](_page_10_Picture_2.jpeg)

### FINAL SYSTEM CHECK

Check that all doors activate the PowerStep and the LED lights work when doors open and close. **NORMAL OPERATION:** When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. **Note that** *there is a 2-second delay before the PowerStep returns to the stowed/retracted position.* **CORRECT OPERATION OF LIGHTS:** All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reillumintated by closing and opening any door of vehicle.

![](_page_10_Picture_5.jpeg)

# атар Research Power Step

# Congratulations on your purchase of the genuine AMP Research PowerStep! Here's what you should know...

**POWER-DEPLOYABLE RUNNING BOARDS OPERATION:** <u>AMP Research PowerStep running boards</u> automatically move when the doors are opened to assist entering and exiting the vehicle.

![](_page_11_Picture_3.jpeg)

### Automatic power deploy:

The running boards will extend down and out when the doors are opened.

### Automatic power stow:

The running boards will return to the stowed position when the doors are closed. There will be a 2-second delay before the running boards move to the stowed position.

### Automatic stop:

If an object is in the way of the moving running board, the running board will automatically stop. To reset, clear any obstruction, then simply open and close the door to resume normal operation.

![](_page_11_Picture_10.jpeg)

### Manually set in the deployed (OUT) position for access to the roof:

The running boards can be manually set in the deployed position by firmly holding the step down with your foot while at the same time closing the door. To resume normal operation, open and close the door.

![](_page_11_Picture_13.jpeg)

**Maintenance:** In adverse conditions, debris such as mud, dirt, and salt may become trapped in the running board mechanism, possibly leading to unwanted noise. If this occurs, manually set the running boards to the deployed position and flush the front and rear hinge arms with a high-pressure car wash wand. Avoid spraying the motors directly. After washing, apply silicone spray lubricant to the hinge pivot pins. Do not apply silicone, wax or protectants like Armor All<sup>®</sup> to the running board stepping surface.

Caution! Keep hands away when the running board is in motion.

# 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.