



TOMS OFFROAD

#0924 AMP PowerSteps by
TOMS OFFROAD
Installation Instructions

TOOLS NEEDED:

Drill & Drill Bit Set	Standard Wrench Set
Ratchet & Socket Set	Wire Strippers/Crimps
Wire Connector or Soldering Iron	

PARTS INCLUDED:

2 - Step Boards	2 - Motors
2 - Motor Linkage Assemblies	2 - Idler Linkage Assemblies
1 - Wiring Harness Loom	1 - Controller STA
4 - LED Lamps	1 - Hardware Kit
2 - Magnetic Door Switches	2 - Mounting Brackets (LH & RH Specific)

THESE STEPS WILL NOT WORK WITH AUXILIARY FUEL TANK.

We highly recommend a 23 gallon rear fuel tank to compensate for lost fuel capacity.

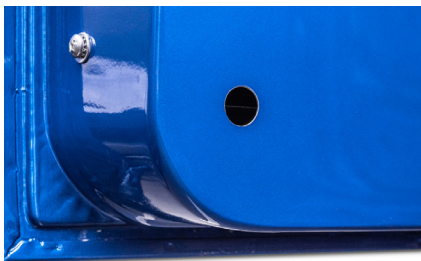
INSTALLATION:

1. Place the Bronco on level ground and set the e-brake. Chock the wheels. Disconnect the negative battery cable.
2. If applicable, remove and dispose of auxiliary fuel tank & tank mounting brackets. Make sure fuel tank is empty prior to removal.
3. Identify the Driver & Passenger brackets. The driver side has a taller standoff in the center of the bracket. Hold the brackets in place behind the inner rocker panels and mark the four holes along the bottom of the brackets.
4. Center punch the hole locations and drill a 1/8" pilot hole in the center of each mark. Then drill the holes out to their finished size using a 13/32" drill bit.
5. Using the hardware provided, mount the brackets in place. Use two 5/16" x 1" socketed cap screws to mount the front tab of the bracket to the front crossrail support brace on the Bronco. Use a washer on each side and nyloc nut on the back of each screw. Then use one 5/16" x 1" socketed cap screw in the same configuration to mount the rear tab to the rear crossrail support brace on the Bronco. Finally, screw the provided #14 sheet metal screws to attach the top of each bracket to the bottom of the center crossrail on the underside of the Bronco.

6. Mount the motor linkage assemblies & idler linkage assemblies on the custom brackets by setting them onto the threaded bolt pem studs and tightening the nyloc nuts over them. Motor linkage assemblies will mount toward the rear of the vehicle on each side. Use the remaining 10mm socketed cap screws to pinch the lower lip of the outer rocker panel, the lower edge of the mounting bracket and the lower holes in the idler & motor linkage assemblies together.
7. Mount the step boards onto the linkage assemblies screwing the provided smaller socketed cap screws through the hangers on the idler & motor linkage arms and into the preinstalled aluminum brackets on the step boards. Test the motion of the steps to make sure the path of the steps is not being interfered with in any way. (Power the controller STA then the purple ground switch to get steps to function.)
8. Mount the magnetic door switch. (Please see attached switch instructions.) Select a mounting location that will provide adequate clearance for the switch while still activating it when the door opens & closes. We recommend mounting the switch to the vertical wall of the inner rocker panel where the lower rear corner of each door will strike it. Center punch the location to be drilled and then drill a small pilot hole. Inspect and measure the switches provided with the kit to determine the proper hole size (3/4" or 3/8"). Then drill pilot out to proper size for the door switch to push through.
9. With the steps installed and clearance confirmed, start the wiring process. Mount the controller STA in a weather safe area. Connect the red wire to power and the black wire to ground. We installed it on the rear side of the passenger front wheel well. It can be screwed directly to the wheel well using sheet metal screws.
10. Connect the wiring loom to the controller STA. Then connect the wiring loom to the step motors.
11. Mount the LED lamps in desired location and wire them in to the wiring loom. We recommend installing them on the underside of the rocker panels just in front of the lower rocker panel lip. The lamps should point down at the steps to light them up when the door is opened.
12. Connect the purple wire to the door switch we installed in step 8. To do this, connect one side of the black switch wire to the purple wire from the loom. Next, ground the other black wire from the switch.
13. Recheck all wiring connections and mounting bolts to ensure everything is tight and secure. Reconnect the negative battery cable and test step function by opening and closing the doors.
14. Enjoy your new AMP Research PowerSteps by TOMS OFFROAD!

AMP PowerStep Paintable Magnetic Door Switch

1. Ensure doors are aligned and fitted to vehicle prior to installation. Inspect and measure the switches provided with the kit to determine the proper hole size (3/4" or 3/8"). Mark desired hole location for actuator switch from outside of inner rocker panel. For the body side actuator switch, locate the switch above the rocker panel on the vertical portion of the inner rocker as shown in the picture below. (You can choose a different location of your liking. Just remember the switches need to land within 1/2" of each other when the door is closed for proper function.)
2. After marking the desired location, drill a 3/4" (or 3/8", depending on switches) hole to mount the actuator switch. Start with a pilot hole and work your way up to the proper size.
3. After the mounting hole is drilled in the inner rocker panel, close the door and mark a location on the inner door that corresponds to the hole location straight across from the hole drilled in the inner rocker panel. (Go underneath the Bronco and use the hole in the inner rocker panel to make a mark on the door.) Take caution when drilling the hole in your door, making sure not to damage any internals if the doors are complete. We recommend removing the door panels to inspect the hole location prior to drilling.
4. After both holes are drilled in the desired location, test fit the actuator switch fitment. Once you determine the switches fit the drilled holes, remove and paint the face of the switch to your desired color.
5. Install the switches for the final time, using the blank switch on the door side and wired switch on the inner rocker panel side. If you feel the switches are slightly loose, you can use a clear silicone on the backside of the switches where they meet the door or rocker panel to help secure the switch.
6. Wire the switches by connecting one of the actuator switch leads to the purple wire provided in the AMP Research step wiring loom. The other lead needs to be grounded. Make sure you get good contact when grounding the lead. You can ground to the body or frame just to make sure your ground is sufficient.



DOOR SIDE HOLE



BODY SIDE HOLE



DOOR SIDE HOLE



DOOR SIDE HOLE