



STEP SLIDER MOTOR REPLACEMENT INSTALLATION



Important

Before installation, make sure control box has a serial number on the circuit board. Updated control boxes all have serial numbers. In order to verify, unscrew cover from control box and look for serial number on the circuit board. New upgraded motors are only compatible with new control boxes. If your step slider has a control box without a serial number, it will need to be replaced in order to work with the new upgraded motor. Replacement updated control boxes are available for purchase at Rock-Slide Engineering.

*** NOTE:** Do not cut any wires while system is activated. This will damage the control box. Deactivate system by removing fuse near the battery before motor replacement.

STEP SLIDER MOTOR REPLACEMENT INSTALLATION

1. Remove the Step Slider in order to access the old motor
2. Remove the old motor from the Step Slider
 - a. Take screw out that holds the piston into the piston pocket



- b. Remove the stainless steel bolts on front of slider
 - c. Bolt towards rear of slider is a dummy, not holding the motor



3. Remove motor with attached rear bracket. New motor comes with new rear bracket
4. Install new motor

NOTE: When installed, the motor portion of the actuator (the shorter round cylinder) should be facing down, towards the vehicle when installed, not up away from vehicle. The actuator may have to be rotated 180 degrees on the back bracket depending on if the motor is installed on the passenger or drivers side.)

When new motors are purchased in pairs, one will come set-up for the driver side and one for the passenger side. Make sure you put the correct motor on the correct side.

- a. Line up piston in front into piston pocket. (some models have black metal bracket instead of silver piston pocket)
- b. Motor piston should come actuated enough to attach to piston pocket. If the piston is not out of the motor enough to attach, hook it up to a 12V battery to extend the piston out.



- c. Attach bolt through piston and piston pocket or bracket



- d. Screw dummy bolt with nut into hole towards front of slider



- e. Position back bracket over back hole



- f. Move steps up or down to position back bracket hole directly in line with frame hole
- g. Screw bolt through slider into back bracket. No nut required, as it is welded onto bracket
- h. Tighten all bolts

NOTE: Provided motor may have a different electrical plug than your current motor. The new provided plug is a better waterproof plug and will make your motor connection to the wiring harness better. If this is the case, follow these directions:

- a. Make sure fuse is out of system
- b. Cut old connector plug from red and black wires leading from the wiring harness to the motor
- c. Use provided butt connectors to attached provided wire resistant plug to the red and black wires.
- d. Crimp connectors tight
- e. Wires: Red to Red, Black to Brown
- f. Plug new motor to wiring harness plug just installed

5. Reinstall step slider to vehicle (use step slider installation instructions)



MAINTENANCE OF THE STEP SLIDER

- Please note the R-SE Step Slider is a mechanical mechanism that requires maintenance to operate properly. To keep the Step Slider operating at an optimal level it needs to be maintained with lubrication. We recommend using a Teflon based lubricant (NOT WD-40) on the 7 indicated points (pictured below). **R-SE Step Sliders need to be lubricated at least monthly.** Heavy trail use or power washing the inside of the Step Slider will increase the frequency of required lubrication.



WITH THE STEP DEPLOYED, LUBRICATE THE FOLLOWING:

2 HINGE POINTS ON THE STEP PORTION (BACK SIDE)

4 HINGE POINTS IN THE BODY OF THE SLIDER (ALUMINUM BLOCKS)

1 MOTOR SHAFT (LIGHTLY) SO IT CAN TRANSFER THE LUBRICANT TO THE O-RINGS AS IT RETRACTS

THE R-SE STEP SLIDER IS DESIGNED TO BE A FRICTIONLESS SYSTEM. THE MORE FRICTION WE CAN REDUCE, THE BETTER AND LONGER THE STEP SLIDER MOTOR WILL RUN

