TJ YJ LJ STEP SLIDER INSTALLATION BD-SS-100-TJ, BD-SS-100-YJ, BD-SS-100-LJ

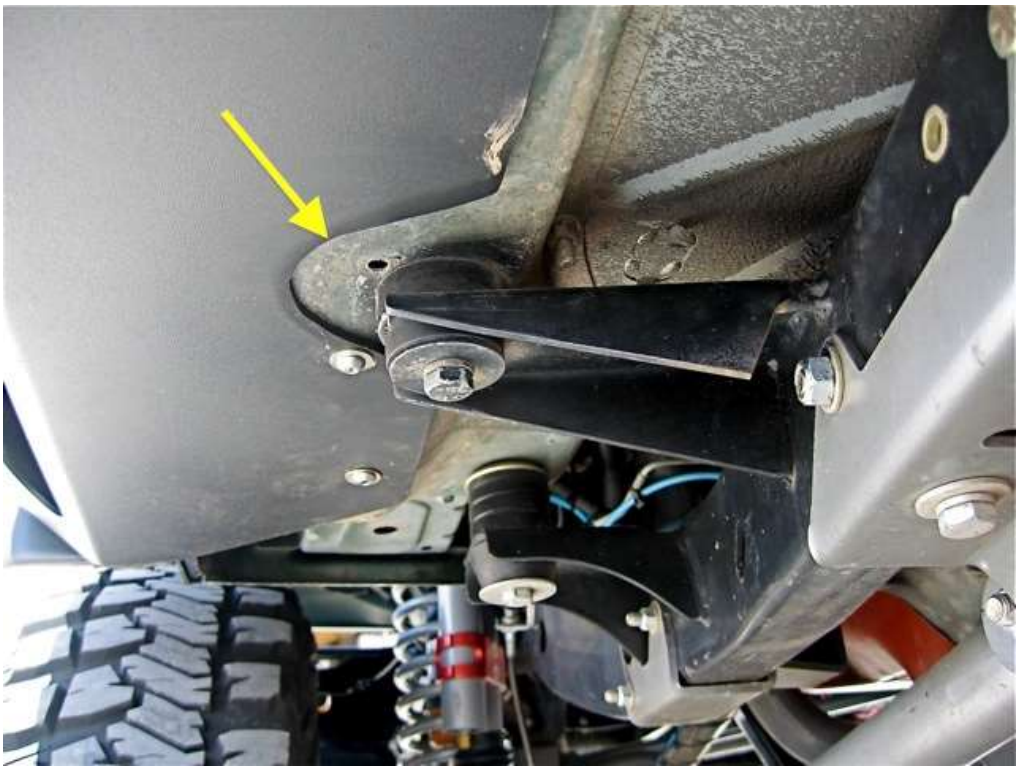
PARTS LIST

QTY	DESCRIPTION
1	Drivers Side Slider Assembly
1	Passenger Side Slider Assembly
1	Wiring Harness
1	Double Sided Sticky Squares
1	Cut Off Switch
1	Anti-Seize Packet
1	Control Box
2	Alcohol Wipes
2	Door Sensors & Actuating Magnets
2	Grip Tape
4	7/16” Nuts
4	7/16” Washers
8	5/16'' Hex Head Bolts
8	Steel Nutserts
8	Large Washers
10	Aluminum Nutserts
10	5/16” SS Button Head Bolts
10	5/16” Stainless Steel Washers

*Optional: 2 LED Light Strips

SLIDER INSTALL

1. Remove stock sliders from the Jeep, if equipped.
2. Use a floor jack or buddy to help hold the slider in place in order to mark holes to be drilled. Take extra care when positioning the slider on the Jeep rocker face to prevent any scratching or marring of the painted surface. The slider should be tight on the underside and to the rocker side of the Jeep. Take your time to ensure that the slider is installed straight and level. Check to make sure that the slider is in the correct position on the front and rear side, between flares.



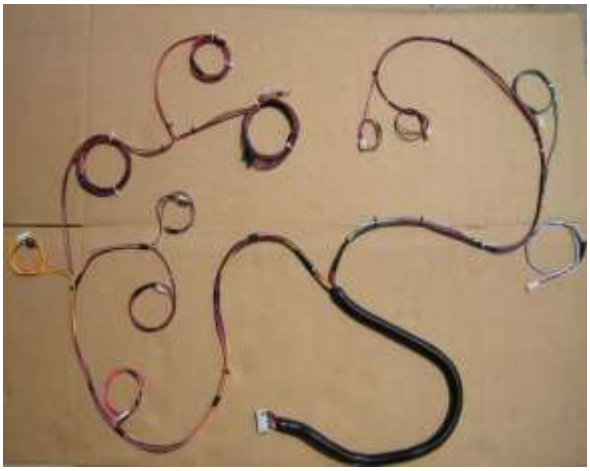
3. Mark the side mounting holes on the rocker panel, and on the underside of the tub, double check for correct fitment. The slider should be tight against the underside and the rocker side of the body.
4. Remove slider and drill 1/2" holes for nut inserts on the **UNDERSIDE**. This will accommodate the larger nut inserts. We suggest using a center punch and a small pilot drill to precisely drill the center of the hole, for the nut inserts on the side of the body the hole size needs to be a17/32". The body sides are very thin metal so let the drill bit do the work. Don't push too hard on the drill, possible sheet metal damage may occur. (don't over tighten inserts when crimping)

(You will need to add the 3/8" aluminum spacers underneath the back two bolt holes to fill the gap between the slider and the body of the Jeep)

5. Install nut inserts with an installation tool if available. If not, install by using a 5/16”x1.125” minimum length bolt with 3/8”nut. Put a small amount of grease on the bolt to reduce friction. Hold the nut steady with an end wrench so the flange of the insert is flush against the body panel. Tighten the bolt against the nut to crimp the nut insert in place. If the insert is rotating, place a star lock washer between the 3/8” nut and insert. Once it is crimped completely, back out the bolt. If the insert ever breaks loose and spins, repeat the process and crimp it tighter to prevent spinning.
6. Position the slider into place on the body and match up the holes that you just put in the side of the body. Make sure that the actuator wire and LED light wire (if applicable) are free from getting pinched in between the body or frame. Apply a small amount of anti seize to the button head bolts and start them all before tightening any of them completely. We recommend tightening the button heads by hand to prevent any damage to the head of the bolt. Start from the center of the slider and work out towards the ends, tightening the slider to the rocker face. Install the stainless steel hardware to hold the slider in place. Slide the spacers into place on the underside of the slide and install the hardware provided.
7. Once the slider has been secured to the rocker face tighten the body mount bolts on the underneath side. **DO NOT OVERTIGHTEN!!**

WIRING HARNESS INSTALLATION

**Note: The same harness is used for the JK 4-door version **
The additional door sensors are **NOT** used for the 2-door version



Step Slider Wiring Diagram

Driver Side	Wire Color	Passenger Side	Wire Color
Front Door Sensor	Orange/Yellow	Front Door Sensor	Green/Gray
Driver LED Light	Brown/Tan	Passenger LED Light	Pink/Tan
Driver Actuator	Red/Black	Passenger Actuator	Red/Black

WARNING

REMOVE FUSE FROM WIRING HARNESS PRIOR TO INSTALLATION! CONNECTING THE HARNESS TO THE POWER SOURCE WITH THE FUSE ATTACHED WILL SHORT OUT THE WIRING HARNESS

NEVER ALLOW THE DOOR SENSOR TO COME INTO DIRECT CONTACT WITH THE ACTUATING MAGNET. THIS WILL DESTROY THE SENSOR MAKING IT UNUSABLE

1. Roll the rear carpet back underneath the rear seat.
2. The supplied harness is the same for all Jeep applications (Note: You will have some plug connectors that will not be used). It is important that you secure harness so it is neatly out of the way to avoid and damage to the wires.
3. Lay the harness into position
4. Start with the electronic box, plug it into the harness and mount it under the seat on the passenger side.

5. Divide the harness between the driver and passenger side. Mount the sensors on the driver and passenger side just underneath the door latch on the inside door frames using the sticky pads provided. Route the wires around the body seam by placing a small piece of electrical tape on the body seam. Wrap the wire over the top of the tape towards the inside of the cab then secure the wire with another piece of electrical tape. (shown above)
6. Drill a hole through the floorboard for the actuator and LED wires from the slider assembly. Route the wires inside the cab through the hole. Use the floor drain hole if possible.
7. Plug the connectors into the harness. ***Make sure there is NO interference with the seat belt system. Secure all wires!***
8. Route the system disable switch, POS+ and **NEG-** wires up the driver side to the "A' pillar on the front diver side dash panel.
9. Remove the side dash panel. Drill a hole in the dash to accommodate the switch. Run the three wires for the disable switch through the dash and plug into the back of the switch. Mount the ground wire from the plug to a metal surface for the switch illumination.

10. Route the POS+ and NEG- wires through the firewall on the driver side. ***Make sure not to interfere with any of the pedal linkage under the dash.***
11. Route wires along the firewall securing the 2 wires to the harness across the firewall.
12. Remove fuse and hook the **NEG-** to the **NEG-**side of the battery. POS+ to the POS+ side of the battery.
13. Position door sensor magnet on the catch side of each door. Make sure the magnet is in line with the sensor both on top and fore and aft. ***Make sure no to allow the magnet and sensor to come into direct contact, this will cause permanent damage to the sensor rendering it unusable.***
14. Plug in all connectors; check all wires to make sure that it is completely secure and free from coming in contact with any moving parts and to prevent system damage due to a cut wire.
15. Close all doors.
16. Insert the fuse into the holder on the POS+ side of the battery.
17. Check each door to ensure the proper alignment of the magnet in relation to the sensor. Once that proper placement is achieved we recommend using a permanent marker to outline the magnet on the door.
18. Reinstall all internal plastic and carpet that were removed. Make sure that all wires are tucked back and out of heavy traffic areas on the floor. Routing them toward the furthest back area underneath the rear seat.

MAINTENANCE OF THE STEP SLIDER

- Please note the slider is a mechanical mechanism that requires maintenance to operate properly. To keep the slider operating at an optimal level it needs to be maintained with lubrication. We recommend using a Teflon based lubrication on the 7 indicated points below to keep the slider operating smoothly. A good rule of thumb is every time you change your engine oil. Heavy trail use will increase the frequency in lubrication.

TROUBLE SHOOTING/FRICTION POINTS

- The slider is powered by the Jeep's battery when engine is off and powered by the Jeep's engine while the vehicle is running. This will cause the slider to operate at different speeds depending on the Jeep engine is running or not.

- If you feel the slider is sticking at certain points or the motor is stressing it may be possible a friction point has developed during the install due to a variance in the slider or Jeep construction.

    - To identify a friction point that may be stressing the slider motor, look at the slider from outside the jeep and open and shut the Jeep door a couple of times and study the way the slider operates. Look at the slider for wear in the powder coating. The slider leaves our manufacturing facility with a perfect powder coating so if you see a spot on the slider that has scratches or the powder coating shows a blemish; that's a good indication of a friction point. Using a file or other grinding tool to smooth over a small area on the slider can alleviate this problem.