




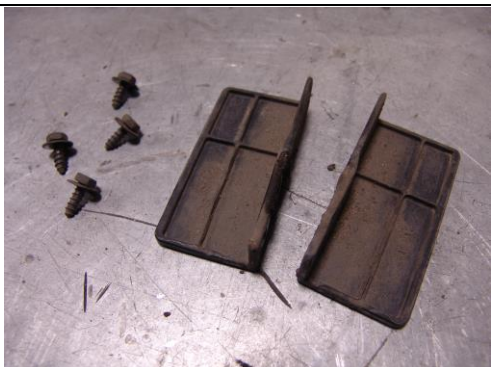

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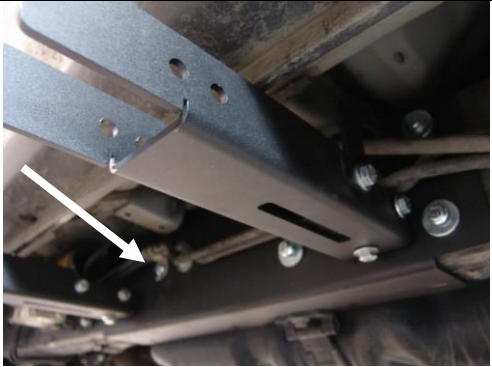
**Slee Off-Road Step Sliders 2010+ 4Runner – KDSS / Non-KDSS (SOF1245) – Preliminary Installation Instructions**



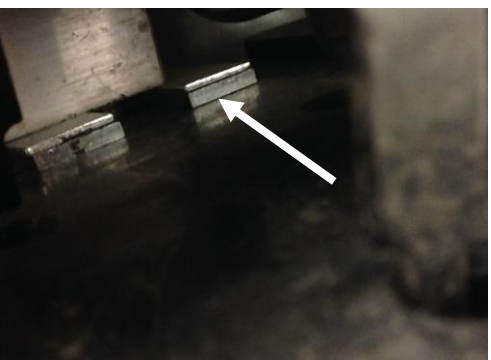
<b>Qty</b>	<b>Parts Included</b>	<b>Tools</b>
1	StepSlider – Pair	Basic Hand Tools
1	Frame Brackets – Pair * KDSS Kits will have two driver frame brackets and one passenger	Sockets and Wrenches
6	Slider Leg Supports	* M8 Rivet Nut Tool – <i>Not Included, sold separately. See Step 16.</i>
4	Thread Plates (two with “Slee” Logo and two blank)	* Pneumatic Tools are optional but will shorten the overall installation time.
54	3/8”-14, Bolt – Grade 5	Magnet
54	3/8” Nylock – Grade 5	17/32” Drill Bit
108	3/8” Washer – SAE	
32	M8-1.25 Flange Head Bolt	
30	M8 Thick Washer - (1.25x.343x 1/8”)	
2	M8-1.25, Rivet Nut	
32	1/4”-20 Stainless Steel Socket Head Cap Screws	
32	1/4”-20 Stainless Steel Washers	
32	1/4” Stainless Steel Nylock	
<b>Qty</b>	<b>KDSS Parts – <i>If Equipped</i></b>	
1	Thick Shim	
1	Thin Shim	
1	3/8” x 1 1/4” Bolt – Grade 5	
1	KDSS Driver Side “L” Leg Bracket	
1	M8 x 32 Thin Fender Washer	

Thank you for your purchase from Slee Off-Road! If you should you have any questions or concerns, please do not hesitate to contact us immediately at 1 888 4X4 SLEE or at [sales@sleeoffroad.com](mailto:sales@sleeoffroad.com).



Slee Off Road strives to provide comprehensive installation instructions. However, in some circumstances minor inconsistencies may be encountered with instructions and or provided parts. If you encounter such an inconsistency, please notify us, as your input is important. Slee Off-Road guarantees all parts free from defects for one year from the original purchase date. Slee Off Road and Slee & Co under no circumstances will be held liable for any damages or injuries to the users of this product(s) and or their equipment as a result of the use of this information or parts obtained from Slee Off Road.

<p>1. Get organized – verify all parts are present to the part list on the previous page.</p> <p><b>Note;</b> these instructions were created on a vehicle with KDSS. A Rivet nut tool is required for this installation - <i>Not Included - Sold separately.</i></p>	
<p>2. Assemble the four Thread plates to the SliderSteps.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"> <li>• 32 x 1/4"-20 Stainless Steel Socket Head Cap Screws</li> <li>• 32 x 1/4"-20 Stainless Steel Washers</li> <li>• 32 x 1/4" Stainless Steel Nylock</li> </ul> <p>Install the Thread Plates with the "Slee Logo" as to align with the driver and passenger front doors.</p> <p><b>Hint;</b> lubricating the internal and/or external threads eliminates thread galling or seizure(s) on stainless steel hardware.</p>	 <p>Assemble thread plates <b>(Step 2)</b></p>
<p>3. Remove and discard the small mud flaps in front of the rear wheel on driver and passenger sides.</p> <p>Remove and discard any plastic plugs in the driver and passenger side frame rails.</p>	 <p>Mud flaps removed <b>(Step 3)</b></p>
<p>4. <b>Driver Side Installation with KDSS. Non-KDSS vehicles skip to Step 16.</b></p> <p>Remove the cover that protects the KDSS lines attached with the four M8 bolts to the transfer case cross member (see photo 4A).</p> <p>Remove and retain the two bolts from the KDSS Component cover mounted on the frame (see photo 4A right side).</p>	 <p>Remove KDSS covers <b>(Step 4A)</b></p>

<p>Remove the two bolts mounting the KDSS component to the frame. Loosen the top bolt but <i>do not</i> remove (See Photo 4B).</p> <p>Remove and discard the M8 bolts attaching the KDSS line to the frame.</p> <p>Remove and discard the M8 bolt to the parking brake cable.</p> <p>Remove and retain the six bolts and fuel tank splash pan from the fuel tank.</p> <p><b>Disclaimer;</b> do not attempt to disconnect any of the KDSS lines.</p>	 <p>Loosen but don't remove top bolt (<b>Step 4B</b>)</p>
<p>5. Support the fuel tank.</p> <p>Remove and retain the M10 bolt that holds the strap to the fuel tank as shown.</p>	 <p>Support fuel tank – remove bolt on strap (<b>Step 5</b>)</p>
<p>6. Assemble the two slider support legs to the rear driver side frame bracket.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"> <li>• 10 x 3/8"-14, Bolt – Grade 5</li> <li>• 10 x 3/8" Nylock – Grade 5</li> <li>• 20 x 3/8" Washer – SAE</li> </ul>	
<p>7. <b>Optional;</b> chase threads in frame where M8 Flange Head Bolts will be installed.</p>	
<p>8. Slide the rear driver side frame bracket assembled in Step 6 under the KDSS components and position onto frame. Using the hardware listed in this step, install the Flange Head Bolts and thick washers. Do not tighten. This will allow for future adjustment.</p> <p>Do not install washers on the KDSS line brackets or park brake bracket.</p>	 <p>Install rear frame bracket (<b>Step 8</b>)</p>

<p>Install the KDSS Driver Side "L" Leg Bracket (see photo 8B) onto rear most leg support. The circle indicates the position of the 3/8" x 1 1/4" Bolt – Grade 5.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"> <li>• M8 Flange Head Bolts</li> <li>• M8 Thick Washers</li> <li>• KDSS Driver Side "L" Leg Bracket</li> <li>• 1 x 3/8" x 1 1/4" Bolt – Grade 5</li> <li>• 2 x 3/8" Washer – SAE</li> </ul>	 <p>Install KDSS Driver "L" Bracket <b>(Step 8B)</b></p>
<p>9. Install the M10 Bolt removed in Step 5 that holds the fuel tank strap in place. Remove the support for the fuel tank.</p>	
<p>10. Install the thin and thick washer with M8 Flange Head Bolt in the KDSS Component mount. Do not tighten. See Photo 10A.</p> <p>Install the thin and thick shim against the frame on the bolt that was loosened but not removed in Step 4. See Photo 10B.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"> <li>1 x Thin Shim</li> <li>1 x Thick Shim</li> <li>1 x M8 x 32 Thin Fender Washer</li> <li>1 x M8 Thick Washer</li> <li>2 x M8 Flange Head Bolt</li> </ul> <p>Tighten all three bolts.</p> <p><b>Hint;</b> glue or similar can place each shim together before moving into position. Due to the tight tolerances a magnet may be helpful in installing the shims.</p>	 <p>Location of thin and thick washer <b>(Step 10A)</b></p>  <p>Close up of shims properly installed – bottom view <b>(Step 10B)</b></p>



<p>11. Assemble driver front single leg frame bracket to slider leg support.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"><li>• 5 x 3/8"-14, Bolt – Grade 5</li><li>• 5 x 3/8" Nylock – Grade 5</li><li>• 10 x 3/8" Washer – SAE</li><li>• 1 x Slider Leg Support</li><li>• 1 x Driver Frame Bracket</li></ul>	
<p>12. Install the driver frame bracket and leg support assembled in previous step to the frame. Do not tighten. This will allow for future adjustment.</p> <p><b>Hardware;</b></p> <ul style="list-style-type: none"><li>• 4 x M8 Thick Washer</li><li>• 4 x M8 Flange Head Bolt</li></ul>	 <p>Install Driver front frame bracket <b>(Step 12)</b></p>
<p>13. Tighten all bolts on rear frame bracket – including the leg supports.</p>	 <p>Tighten all bolts on frame bracket <b>(Step 13)</b></p>

14. Insert Driver SliderStep into all three leg supports and align hardware holes. Install hardware starting with the rear most support leg, then the middle. Tighten all hardware.

Carefully analyze the position of the SliderStep in relation to the body of the vehicle (including the pinch weld).

Adjust the front leg support and bracket as necessary. Tighten all hardware.

Hardware;

- 12 x 3/8"-14, Bolt – Grade 5
- 12 x 3/8" Nylock – Grade 5
- 24 x 3/8" Washer – SAE
- 1 x Driver SliderStep

**Hint;** a magnet may be helpful in positioning Nylock Nuts when completing this step.



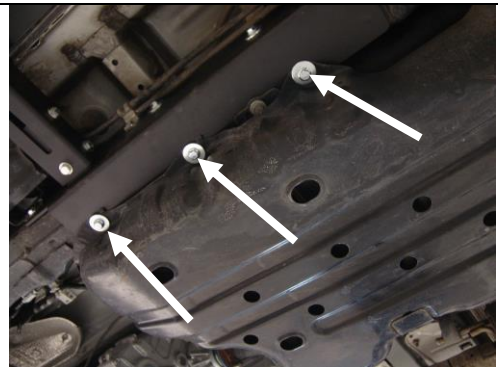
Assemble leg supports to SliderStep (**Step 14**)

15. Replace Fuel Tank Splash Pan, KDSS Component Cover and KDSS line Cover removed in Step 4. Three of the bolts removed in Step 4 will be replaced by the following hardware (see photo).

**Hardware;**

- 3 x M8 Flange Head Bolts
- 3 x M8 Thick Washer

Driver side SliderStep Installation complete.



Tighten all bolts on rear frame bracket (**Step 13**)

**16. Passenger Side Installation.**

**If you skipped to this step repeat steps 16-24 for Non-KDSS vehicles for Driver side SliderStep installation.**

Use a 17/32" Drill Bit to open up the two holes on the bottom of the frame for the Rivet nuts (see photo 16A).

Using a Rivet Nut Tool – install the two Rivet Nuts (see photo 16B).

**Hint;** If unsure of Rivet Nut hole location place frame support bracket up to frame and identify.

**Tools Required;**

- M8 Rivet Nut Tool
- 17/32" Drill Bit & Drill

**Hardware;**

- 2 x M8 Rivet Nut



Holes identified in bottom of frame (**Step 16A**)



Rivet Nuts Installed (**Step 16B**)

**17. Assemble three leg supports to the frame bracket. Tighten all hardware.**

**Hardware;**

- 27 x 3/8"-14, Bolt – Grade 5
- 27 x 3/8" Nylock – Grade 5
- 54 x 3/8" Washer – SAE
- 3 x Leg Support
- 1 x Frame Bracket

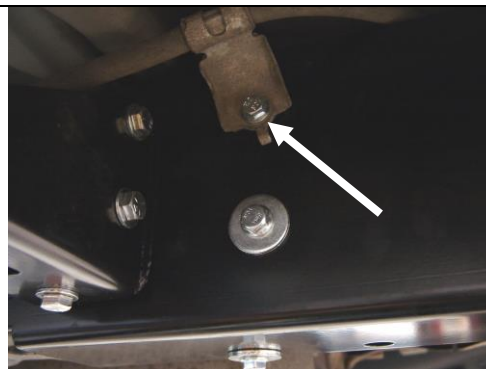
**18. Optional;** chase threads in frame where M8 Flange Head Bolts will be installed.

**19. Remove and retain two bolts that mount parking brake line. One will be replaced in the next step.**

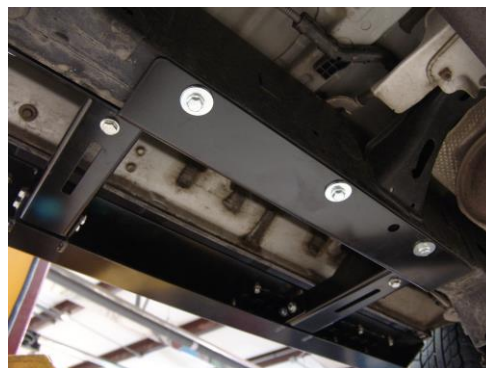
20. Mount frame bracket with leg supports assembled in Step 17. Tighten all bolts. Use washers on every bolt except when replacing the parking brake cable (see photo).

**Hardware;**

- M8 Thick Washers
- M8 Flange Head Bolts



Bolt frame bracket (Step 20)



Bottom of frame shown (Step 21)

21. Insert Passenger SliderStep into all three leg supports and align hardware holes. Install hardware starting with the rear most support leg, then the middle. Tighten all hardware.

Carefully analyze the position of the SliderStep in relation to the body of the vehicle (including the pinch weld).

Adjust the front leg support as necessary. Tighten all hardware.

**Hardware;**

- 12 x 3/8"-14, Bolt – Grade 5
- 12 x 3/8" Nylock – Grade 5
- 24 x 3/8" Washer – SAE
- 1 x Passenger SliderStep

**Hint;** a magnet may be helpful in positioning Nylock Nuts when completing this step.

Installation Complete!



Mount SliderStep (Step 22)



SliderStep mounted (Step 22)

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