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Slee Off-Road 1998-07 Land Cruiser / LX470 Dual Swing-Out Rear Bumper (SOK1305) - Installation Instructions



Thank you for your purchase from Slee Off-Road! If you should have any questions or concerns, please don't hesitate to contact us immediately at 1 888 4X4 SLEE or at <u>sales@sleeoffroad.com</u>.

Slee Off-Road strives to provide comprehensive installation instructions. However, in some circumstances minor inconsistences 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.

Bumper Parts List

Qty	Part Description	Qty	Part Description
1	Slee Bumper Channel	4	1/2" x 2" Bolts – Grade 8
1	Passenger Side Frame Bracket	2	1/2" x 1.5" bolts – Grade 8
1	Driver side Frame Bracket	16	1/2" Flat Washer – Large – Grade 8
8	14mm x 40mm Bolts	10	1/2" Flat Washers – Small - Grade 8
4	12mm x 45mm Bolts	12	1/2" Lock Washers – Grade 8
2	Thick Shims	6	1/2" Nuts – Grade 8
2	Thin Shims	2	12mm x 35 Socket Head Allen Bolt

Tire Carrier Parts List

Qty	Part Description	Qty	Part Description
1	Tire Carrier Swing Out	1	LED License Plate Light - with Two Bolts
			and Nuts
1	U Latch, Latch Hook - with Hardware	1	Hi-Lift Clamp Bracket
1	Stainless Steel Locking Pin (Pre- Installed)	1	Tire Mount Bracket
2	Spindle Bearings (1 x Large and 1 x	1	Slide Plate
2	Small)	1	Side Liate
1	Aluminum Hubcap with Slee Logo	2	Small Rivets (Hammer In Type)
1	O-Ring For Hub Cap	6	5/16" x 1/2" Bolts – Grade 5
1	Hub Seal	6	5/16" Lock Washer – Grade 5
1	Spindle Castle Nut	2	1/4" x 1/2" Machine Thread Phillips
			Screws (License Plate)
1	Spindle Flat Washer	1	8mm Socket Head Cap Screw - Hi-Lift Base
1	Cotter Pin	1	8mm Nut - Hi-Lift Base
3	Lug Nuts	1	5/16" Rounded Head Screw (Pre- Installed)
2	Wire Clips	1	5/16" Lock Washer (Pre-Installed)
2	Self-Tapping Screws	3	3/8" x 1" Bolts – Grade 5
1	Black Nylon Pad	6	3/8" Thick Flat Washer – Grade 5
1	3/8" Nut Plate	3	3/8" Nylock Nuts – Grade 5
2	Nylon Shim Plates (Used for adjustment	1	3/8" Barrel Nut
	of Nylon Pad if necessary)		
1	Rubber Bump Stop (Pre-Installed)	2	Countersunk Stainless 3/8" Allen Bolts
3	8″ Zip Ties		

Ladder Carrier Parts List

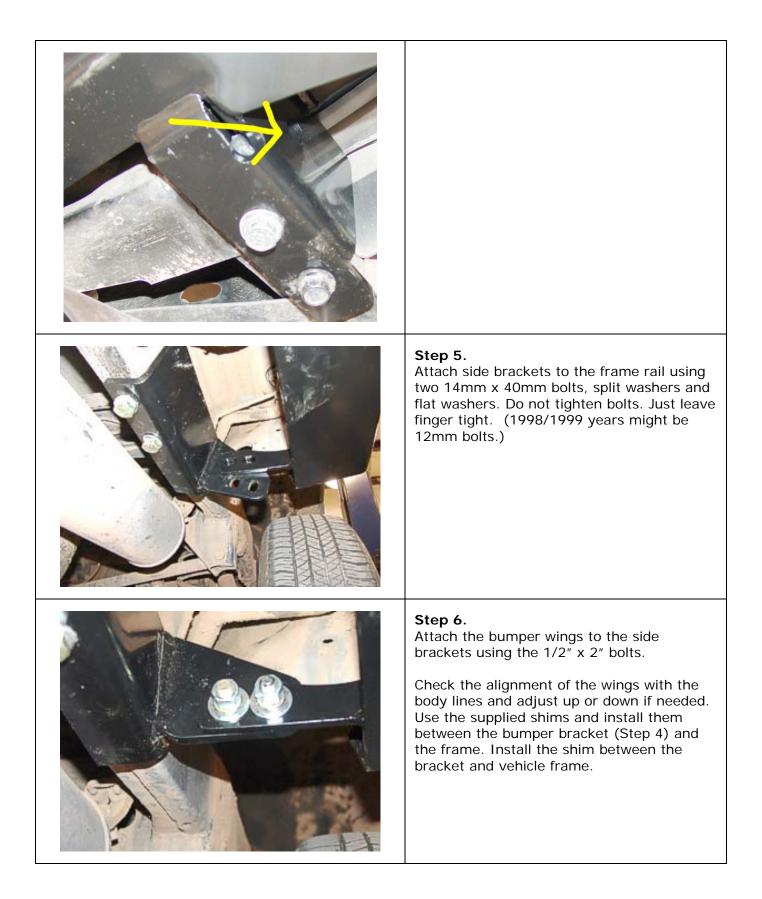
Qty	Part Description	Qty	Part Description
1	Slee Ladder Carrier	6	5/16" x 1/2" Bolts – Grade 5
1	U Latch, Latch Hook - with Hardware	6	5/16" Split Washer – Grade 5
1	Stainless Steel Locking Pin (Pre- Installed)	1	5/16" Rounded Head Screw (Pre- Installed)
2	Spindle Bearings (1 x Large and 1 x Small)	1	5/16" Lock Washer (Pre-Installed)
1	Aluminum Hub Cap – with Slee Logo	2	Countersunk Stainless 3/8" Allen head Bolts
1	O-Ring For Hub Cap	1	Rubber Bump Stop (Pre-Installed)
1	Hub Seal	1	Slide Plate
1	Spindle Castle Nut	2	Small Rivets (Hammer In Type)
1	Spindle Flat Washer	1	Black Nylon Pad
1	Cotter Pin	1	3/8" Nut Plate
		2	Nylon Shim Plates (Used for adjustment of Nylon Pad if necessary)

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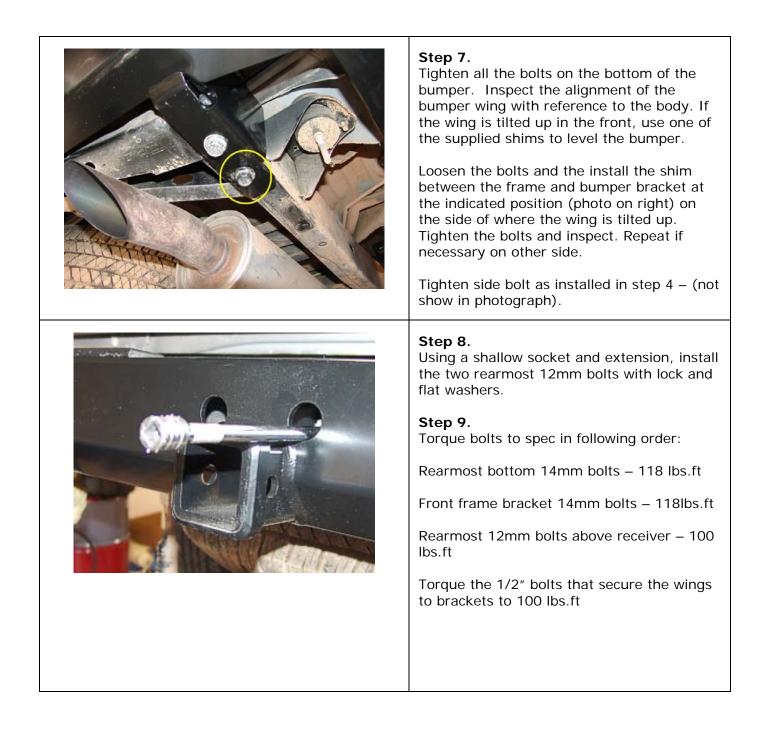


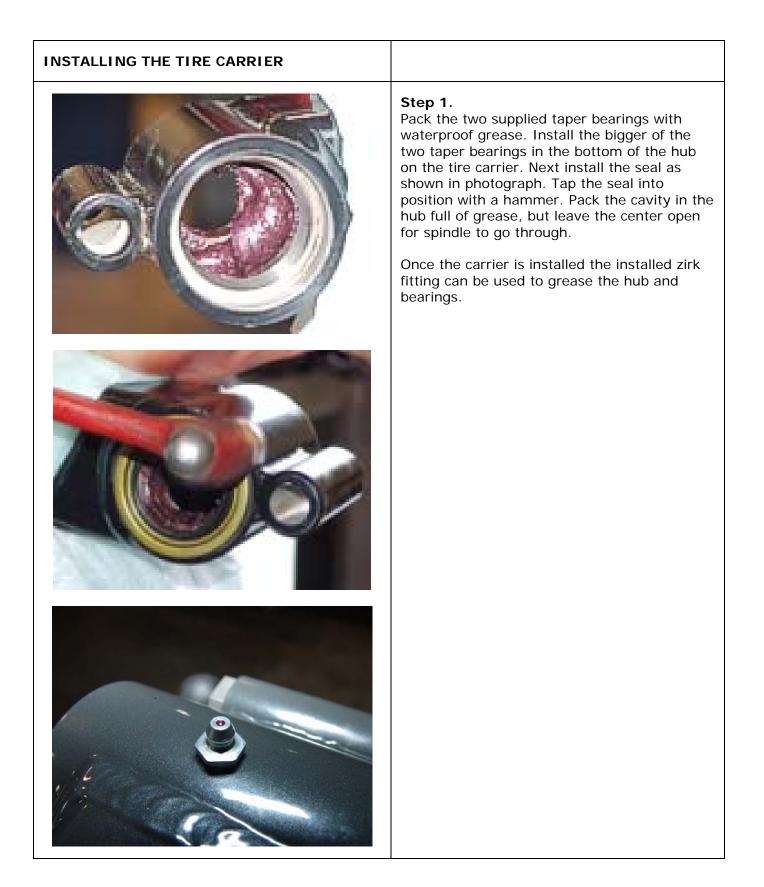
BUMPER CHANNEL INSTALLATION	
	Step 1. Remove rear mud flaps. Remove rear bumper. Remove all brackets and bolts from rear cross member. Also remove tow hitch if so fitted.
	Step 2. On the driver side reinstall the bolts that attach the rubber splash guard to the body.
	Step 3. Slide the bumper over the rear cross member with the fronts of the wings pointing downwards. Gradually lift the front wings as the bumper is being slid forward. Be careful to not hit the vehicle body with the wings or the back end of the bumper.
	 Step 4. Once bumper is located, install the four 14mm x 40mm bolts, split and flat washers through bottom brackets into the captive nuts in the frame rail. Run bolts in, but do not tighten. Install the ½" x 1.5" bolts through the side holes of the bumper (indicated by the yellow arrow). Use flat washers, lock washer and ½" nut.

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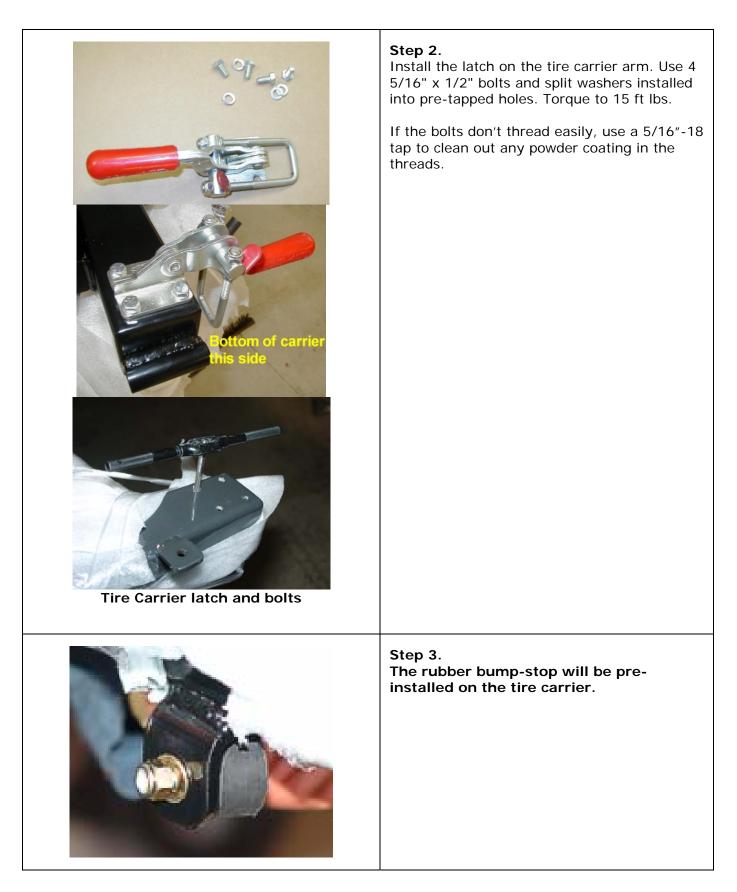


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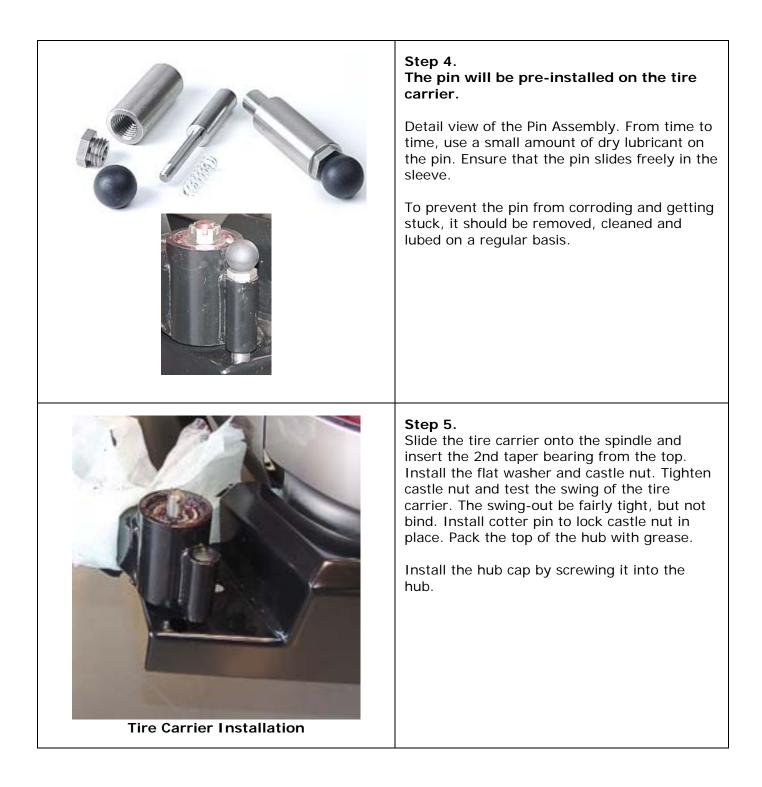


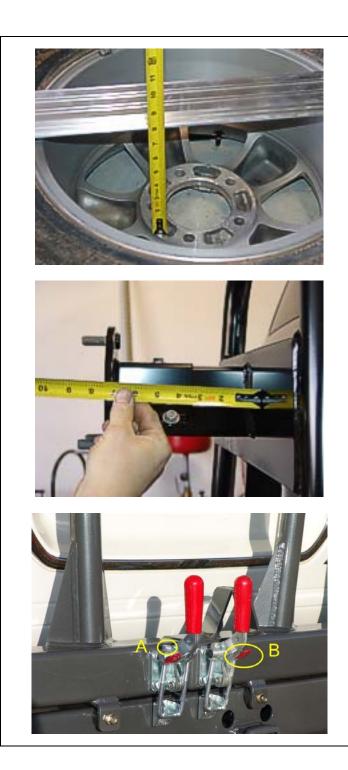


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Step 6.

Install the spare tire carrier plate to the tire carrier using the supplied 3/8" x 1" bolts. To set the depth of the carrier, use a straight edge and place it across the back of the spare tire. Measure the distance from the straight edge to the mounting surface of the wheel. Subtract 1/4" from this and use this measurement to set the face of the mounting plate.

Step 7.

Install spare tire using the supplied lug nuts.

Step 8.

With the spare tire installed, adjust the latch by tightening up the U bolt. Release the lock nut and then tighten the top nut (A in the bottom picture on the right)

Hint: The little red tab as show in B on the picture below can be used to position the U portion of the latch under the latch bracket when closing the latch.

Use a thumb or forefinger to push down on the tab. This will move the U section of the latch forward and enable you to slide that under the latch bracket on the bumper. Then push the red handle forward to latch the bumper.

This keeps fingers away from possible injury.

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Step 9. Install LED License plate on bracket on tire carrier. Use the supplied hardware to secure the light to the tire carrier bracket. Route the harness through the hole in the bracket.
 Step 9. Run this harness along the back of the tire carrier Use the zip ties to secure the harness and/or the supplied screws and clips. The screws require drilling holes into the tire carrier arm. Step 10. Feed the harness through the slot between the bumper and the body. Route the harness over the frame (stay clear of the exhaust) and locate a suitable tail light source. Tap the brown wire into the suitable +12v source and the blue wire to ground. Finally test the license plate lights to ensure proper operation.

<image/> <text><text><text><text><text><text></text></text></text></text></text></text>	Step 11. Install the license plate on the tire carrier using the two 1/4" machine screws. The holes are tapped on the tire carrier face underneath the license plate light. Step 12. Close the tire carrier and close the latch. The tension on the latch is adjustable by tightening the 1/2" nuts to shorten the U bolt of the latch.
LADDER CARRIER INSTALLATION	
The installation of the ladder carrier is the same as for the tire carrier, except that there is no license plate light or license plate on the carrier.	

You have now successfully installed your bumper! Here are a couple of hints for using your new Slee bumper.

1. Don't let go of the tire carrier(s) when you open it. The pin and safety stop is designed to stop the tire carrier from swinging out to far, but you could potentially damage the pin and or the safety stop.

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3. Clean, inspect and re-lube the pins bi-annually to ensure smooth operation.

4. Annually inspect the bearings in the Swing-Outs by removing the cap and checking the condition of the grease in the hub. If you see rust or moisture, remove the carrier from the bumper. Remove the seal (replacements can be purchases from Slee Off-Road), clean and repack the bearings and re-install the seal. Lastly, Re-install the tire carrier and or ladder on the bumper.

Thank you for your purchase from Slee Off-Road! Visit us at www.<u>sleeoffroad.com</u> or email us at <u>info@sleeoffroad.com</u>. Follow us on Facebook and Instagram!

