



Light Bar / Brush Guard Installation Instructions

P/N 280096: 2019+ Mercedes Sprinter Light Bar

NOTE: THIS PRODUCT IS NOT COMPATIBLE WITH THE SPRINTER 3500 DUALY

Before you begin:

- *Stainless steel hardware may bind together when tightening — apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two or more people*
- *Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values.*



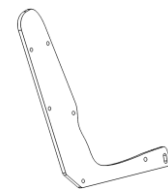
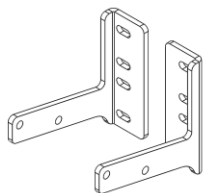
Required Tools:

- **Standard and metric wrench set**
- **Standard and metric socket set**
- **Phillips head screwdriver**
- **Standard Allen set**

Included Hardware:

<i>P/N</i>	<i>Description</i>	<i>Quantity</i>
70008	¼-20 SS Nylock Nut	2
70009	¼" SS Flat Washer	4
70060	¼-20 x 1" SS Button Head Bolt	2
70446	5/16"-18 x 1-1/4" SS Button Head Bolt, Black Oxide	14
70345	5/16" SS Flat Washer, Black Oxide	28
70346	5/16"-18 SS Nylon Locking Nut, Black Oxide	14
70095	M8-1.25 x 20mm 8.8 Steel Hex Head Bolt	4
70124	M8-1.25 x 40mm Fully Threaded 8.8 Steel Hex Head Bolt	2
70111	5/16" Zinc Plated Split Lock Washer	6
70246	Anti-seize package	1

Additional Parts:





Installation Instructions

1. Assemble your Light Bar from the three (3) individual sections and the two (2) mounting blades using the black 5/16"-18 hardware provided (reference Figure 1 & below Figure 2).

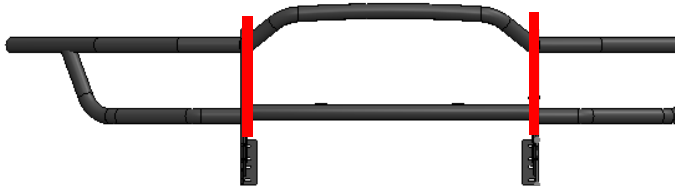


Figure 1: Light Bar Assembled

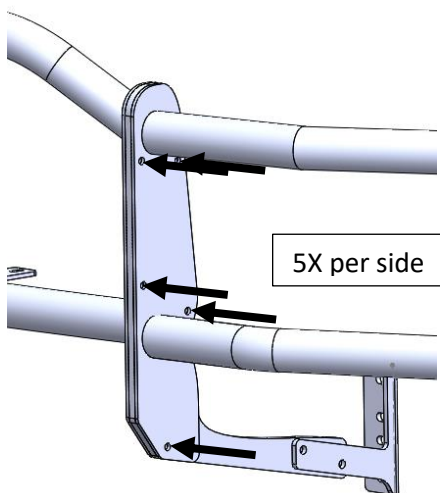
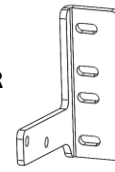


Figure 2: Assembly Hardware Locations

2. Install the Light Bar mounting brackets to the attachment points shown in Figure 3 & Figure 4. There are two sets of slotted holes for 2WD and 4WD; brackets should mount as close to the plastic bumper as possible. Install the mounting brackets on top of the crossmember using the provided M8-1.25 x 20mm bolts and 5/16" split washer in the appropriate slotted holes.

PRO TIP: Remove bolts only from one side at a time, so that the crossmember stays in place during installation.

PASSENGER



DRIVER



Figure 3: Mounting Brackets

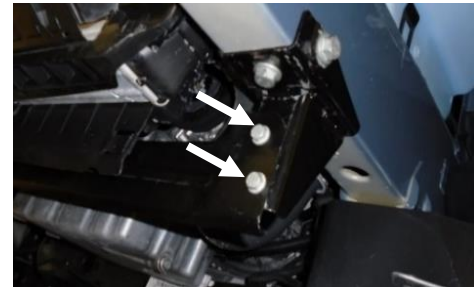


Figure 4: Mounting Location on Vehicle of Mounting Brackets

3. Install aftermarket lights onto Light Bar, if applicable.
4. Install Light Bar onto mounting brackets and bolt down using included 5/16"-18 x 1 1/4" bolts. Reference Figure 5.

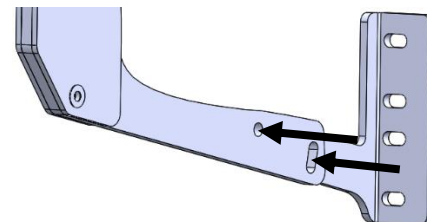


Figure 5: Light Bar Installation onto Brackets

PRO TIP: Only keep mounting bolts hand-tight at first, rotate the light bar into desired position, and then tighten down.

5. Mount both front step straps to the Light Bar using the 1/4"-20 x 1" bolts, washers, and nuts. Then bolt down the light bar to the vehicle using the supplied M8-1.25 x 65mm bolts and 5/16" split washer.
6. If you are installing with a Front Receiver and/or Winch, mount the Light Bar blades to the Front Receiver using the provided right angle straps through the cutouts in your front bumper (see front receiver installation instructions for more detail on this – see Figure 6).

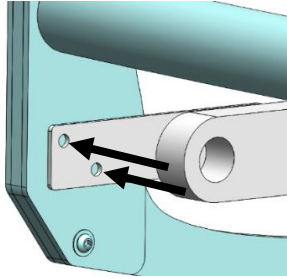


Figure 6: Mounting Straps to Front Receiver with Winch

7. Verify all mounting points are tight and snug, and enjoy your new Aluminess Light Bar!



General Torque Values			
Size	Stainless Steel	Zinc	Grade 8
#6-32	10 lb-ft	--	--
#8-32	18.4 lb-ft	--	--
#10-32	26.6 lb-ft	--	--
1/4"-20	5.3 lb-ft	7.8 lb-ft	9 lb-ft
5/16"-18	10.9 lb-ft	16 lb-ft	18 lb-ft
3/8"-16	19.4 lb-ft	28.3 lb-ft	33 lb-ft
7/16"-14	31 lb-ft	45 lb-ft	52 lb-ft
1/2"-13	47 lb-ft	69 lb-ft	80 lb-ft
M6	4.7 lb-ft	5.8 lb-ft	--
M8	11.3 lb-ft	14.1 lb-ft	--
M10	22.3 lb-ft	27.9 lb-ft	--
M12	38.9 lb-ft	48.7 lb-ft	--



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