



## NERF BAR INSTALLATION INSTRUCTIONS

GMC/Chevy 2003-2020 Van 133" WB – Regular Body [PN 210161 & 210161.1]

### **Please read before beginning**

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

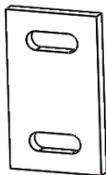


### **Included hardware**

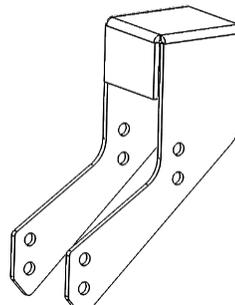
### **Quantity**

- |   |    |
|---|----|
| • 70008 - 1/4-20 Nylock Nuts SS                         | 16 |
| • 70009 - 1/4 x 5/8 Washer SS (.03" Thick)              | 4  |
| • 70018 - 1/4-20 x 5" Hex Bolt H/C SS                   | 2  |
| • 70039 - 1/4 x 7/8" Washer SS Fender                   | 20 |
| • 70040 - Washer, Countersunk Fin, SS, 1/4 ID           | 4  |
| • 70060 - 1/4-20 x 1" Bolt, Button Head, Socket Cap, SS | 8  |
| • 70066 – 1/4-20 x 3" Flat Head Socket Cap Screw SS     | 4  |
| • 70024 – 3/8-16 Nylock Nut, SS                         | 20 |
| • 70028 – 3/8" Flat Washer, SS                          | 40 |
| • 70029 – 3/8-16 x 1 ¼" Hex Head Bolt, SS               | 20 |
| • Antiseize Packet, 2g                                  | 1  |

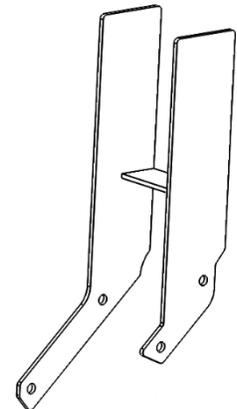
### **Included Parts/Subassemblies**



**x4**  
[350527] Aluminum Backing Plates



**x4**  
Ford/Chevy Nerf Bar Bracket



**x1**  
Chevy Rear Bracket Assy



1. Assemble the nerf bar brackets into the correct orientations shown in Figure 3, take note of which brackets are labeled "high" or "low". Please reference Figure 2 for the high configuration, and Figure 1 for the low configuration. The passenger side and driver side nerf bars will assemble differently, be sure to note the differences outlined in Figure 3.
  - Some nerf bar brackets will have two sets of holes; you will need to utilize the correct set of holes for each bracket to ensure the correct bracket height when mounting.
  - Use the 3/8-16 x 1 1/4" bolts, along with accompanying nuts and washers, to fasten the brackets to the nerf bar assembly.

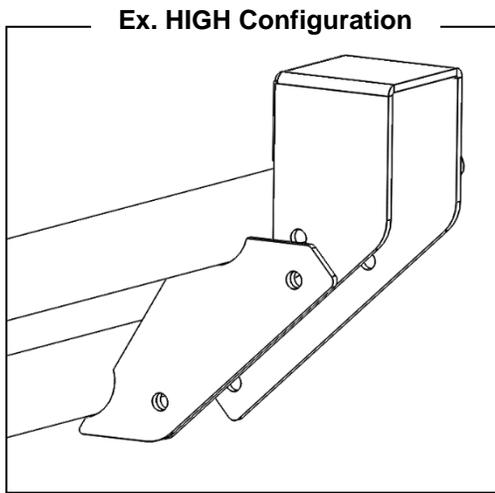


Figure 2

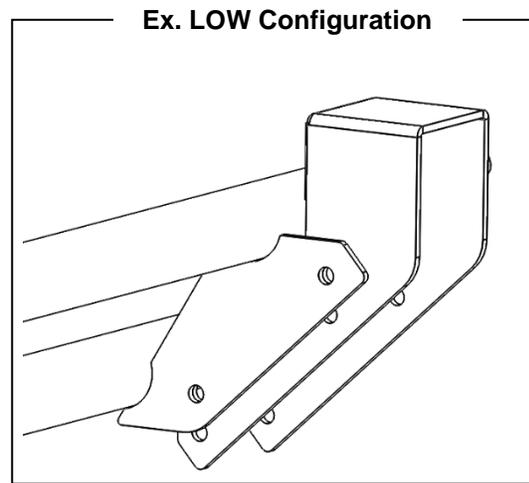


Figure 1

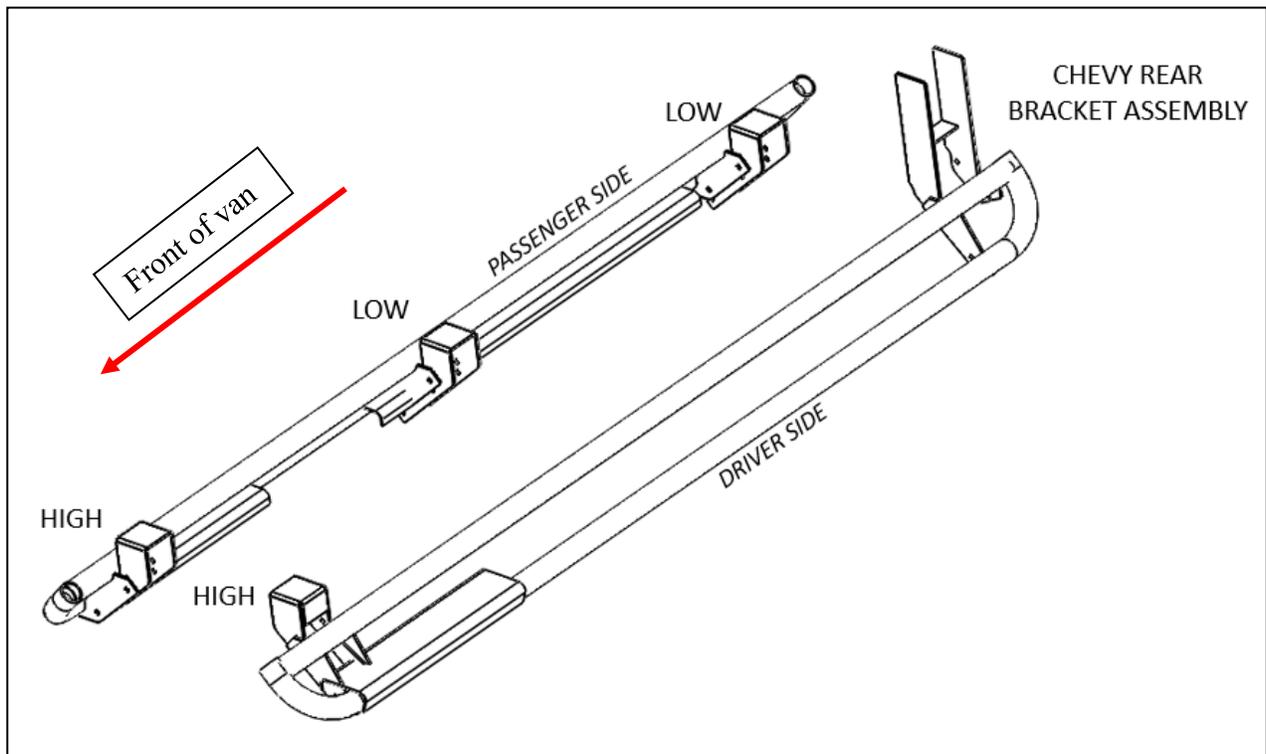
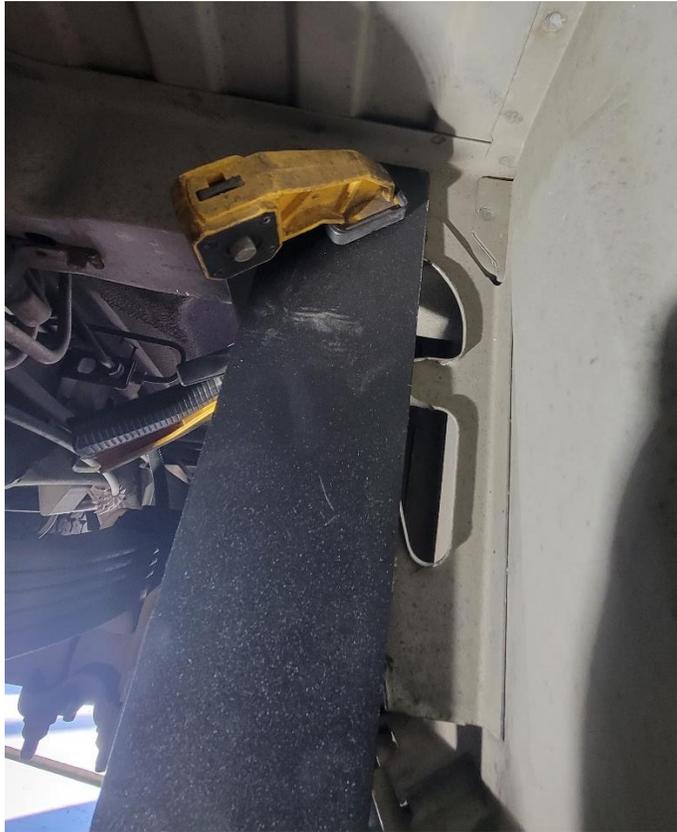


Figure 3



2. Once your nerf bars are fully assembled, begin installation on the driver side rear mount.
3. Hold nerf bars up so that the flanges on the nerf bar are on either side of the body channel.



*Figure 4*

- Drill two ¼" holes through the nerf bar flanges and the body channel.
  - Put two ¼"-20 x 5" bolts (70018) through both holes
    - Use a ¼" x 5/8" (70009) washer between the head of the bolt and flange and between the nylock nut (70008) and the opposing flange.
4. Front mount preparation and mount:
    - Open the front driver door and peel away plastic step to see painted metal underneath. (Pay attention to wiring that may cross by because you will be drilling through the step)
    - Laying on back place nerf bar (this nerf bar has only one diamond plate step) against step.
    - The nerf bar has two flanges on the back that stick up and will go on either side of the bracket. Take the Nerf bar backing plate and place it underneath the bracket to use as a template to mark the holes. See Figure 5 below.

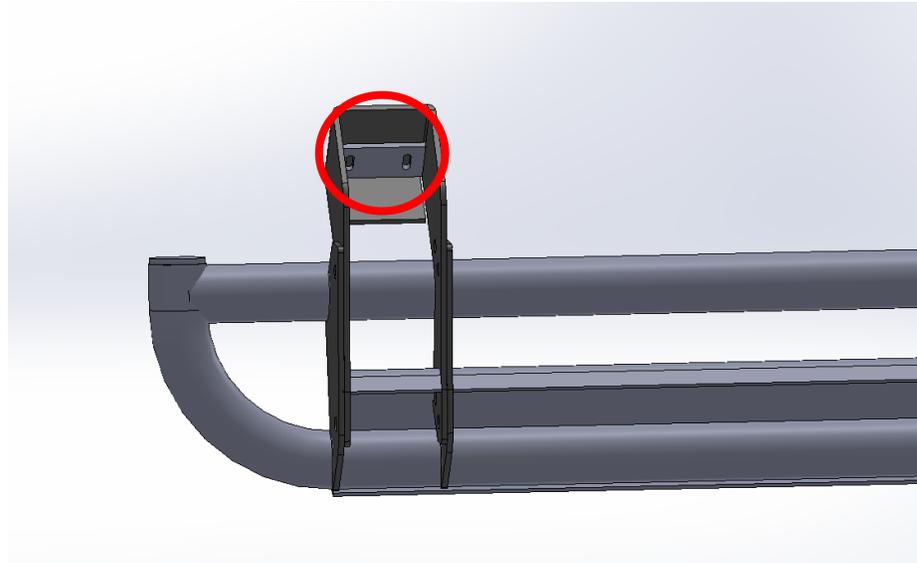


Figure 5

- Mark and drill two 1/4" holes through the top mounting surface on the nerf bar that sits flush on the bottom of the step and through the step of the van.

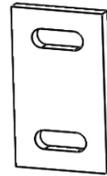
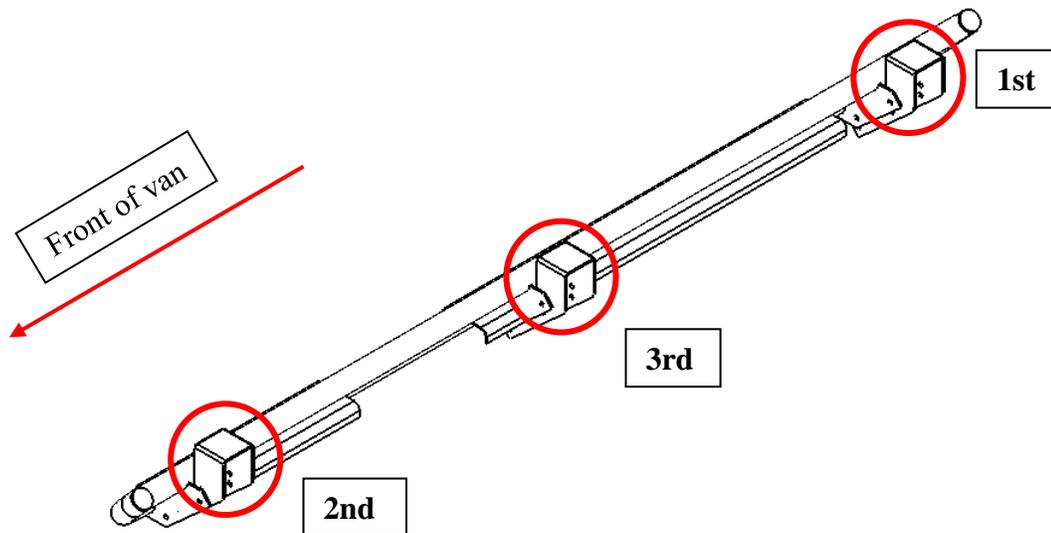


Figure 6: Nerf bar backing plate

- Also make sure that you do not drill through any wiring that may be there.
  - Insert 1/4-20 x 1" Button Head Bolt (70060) with 1/4" x 7/8" flat washers (70039) through the holes so the threads appear at the bottom of the nerf bar.
    - Attach one 1/4" x 7/8" (70039) washer and one nylock nut (70008) to the end of each bolt.
  - Tighten down nut onto lubricated bolt.
5. Make sure all bolts are tightened down snug.
  6. Replace the plastic step cover.
  7. Passenger side nerf bar installation:
    - Open the passenger front door and remove the plastic step.
    - Open the passenger side door and remove the plastic step.
    - Hold the nerf bars up so that the nerf bar mounting surfaces are flat against the bottom of the steps on the under side of the van.
    - Make sure that the nerf bars are spaced evenly between the wheel wells.
    - You will first drill and mount the rear bracket. See figure 7 below for reference



*Figure 7: Passenger Side Mounting Order*

- The nerf bar has two flanges on the back that stick up and will go on either side of the bracket. Take the Nerf bar backing plate and place it underneath the bracket to use as a template to mark the holes. Reference Figure 5 again for using the backing plate as a template.
    - Mark and drill two  $\frac{1}{4}$ " holes through the top mounting surface on the nerf bar that sits flush on the bottom of the step and through the step of the van
    - Easiest to drill from the bottom up after marking (with the nerf bar backing plate as a guide).
  - Insert 1/4-20 x 1" Button Head Bolt (70060) with  $\frac{1}{4}$ " x 7/8" flat washers (70039) through the holes so the threads appear at the bottom of the nerf bar.
    - Attach one  $\frac{1}{4}$ " x 7/8" (70039) washer and one nylock nut (70008) to the end of each bolt.
  - Tighten down nut onto lubricated bolt.
8. Repeat step 7 for the front bracket (2<sup>nd</sup>) then repeat again for the middle bracket (3<sup>rd</sup>) See Figure 7 for clarification.
- Once all 3 brackets are mounted, replace the passenger side front and side door step plastics.



9. - Find 2 spots evenly spaced along the length of the nerf bar to drill 1/4" hole through the nerf bar pipe and through the pinch weld of the van.
- Install the two 1/4"x3" bolts (70066) through the countersunk washer (70040), the 1/4" fender washer (70039), the pipe, and pinch weld for additional nerf bar support.
- (See Figure 8 above)
- Repeat these last 2 steps for the opposite side.

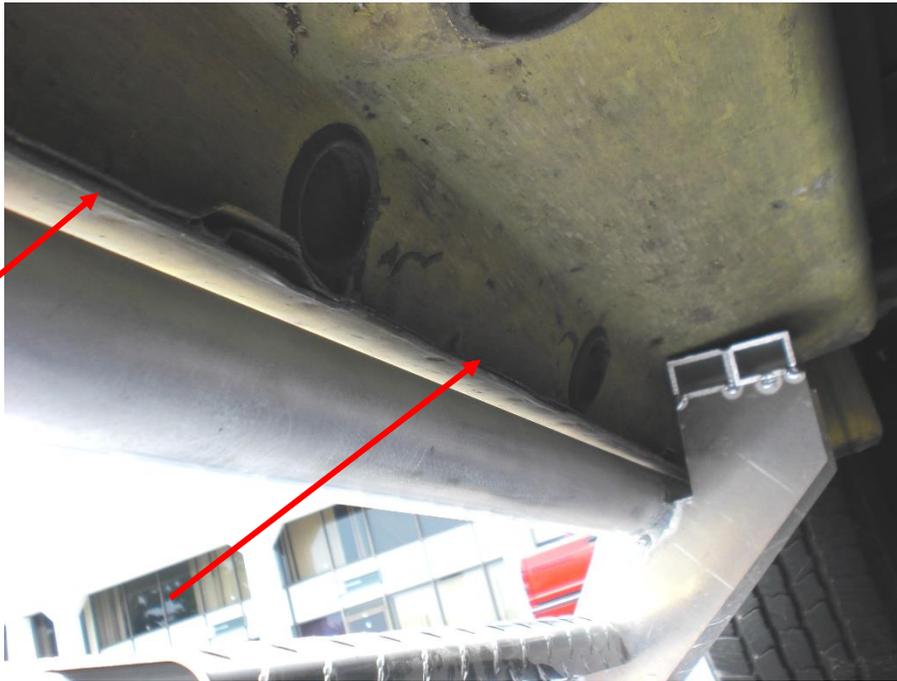


Figure 8

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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Rev:	Date:	Description:	Changed by:
A	2/10/23	Updated hardware kit to match what is needed and clarified instructions.	K.Mesch
B	9/7/23	<b>Added new logo, Torque spec table, and QR code</b>	E. Isacowitz