



INSTALLATION INSTRUCTIONS

R5 WHEEL-TO-WHEEL NERF STEP BARS

APPLICATION:

Ram 2500/3500 Crew Cab 2019 (8' Bed) Excl. Dually

PART NUMBER:

28-534340, 28-534345

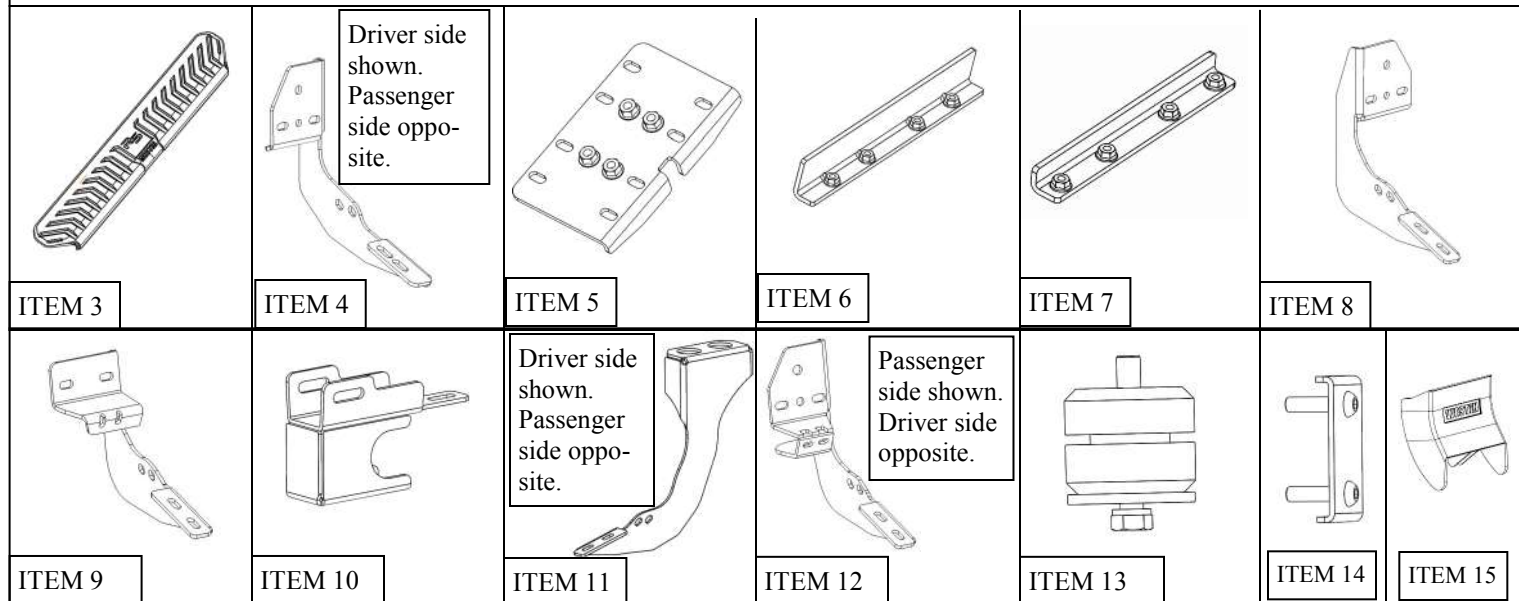
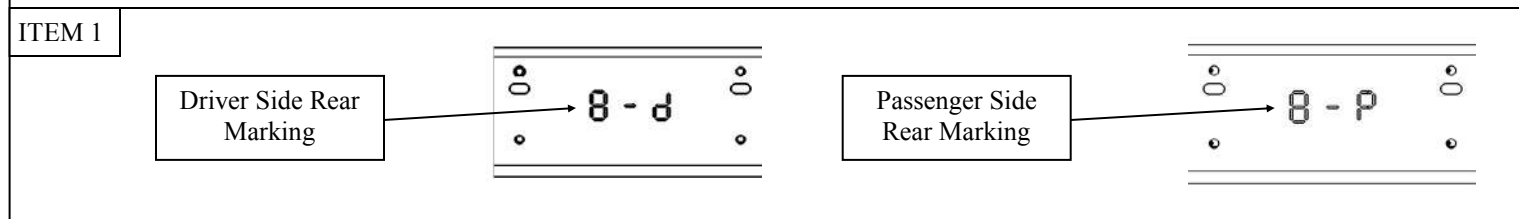
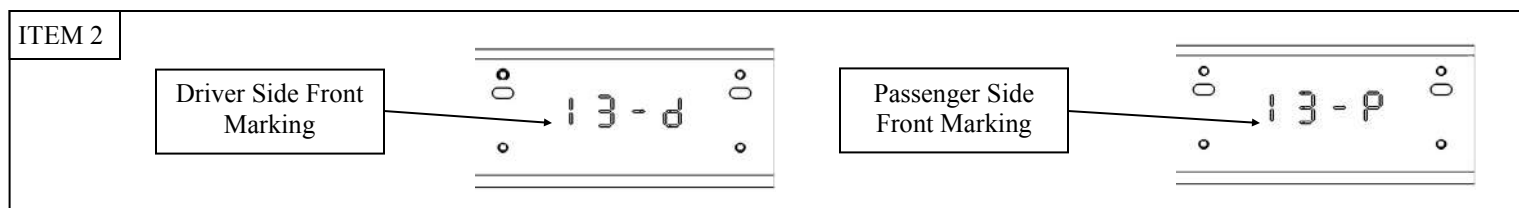
CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	2	STEP BAR ASSEMBLY FRONT SECTION (1 DRIVER, 1 PASSENGER)	13MM SOCKET
2	2	STEP BAR ASSEMBLY REAR SECTION (1 DRIVER, 1 PASSENGER)	3/8" RATCHET
3	2	STEP PAD	TORQUE WRENCH
4	2	LINK BRACKET (1 DRIVER, 1 PASSENGER)	1/4" RATCHET
5	2	LINK PLATE	10MM SOCKET
6	2	TALL REINFORCEMENT LINK	10MM WRENCH
7	2	SHORT REINFORCEMENT LINK	17MM SOCKET
8	1	MOUNTING BRACKET FRONT PASSENGER	19MM SOCKET
9	1	MOUNTING BRACKET FRONT DRIVER	1/2" RATCHET
10	2	TOP ISOLATOR BRACKET	1/2" EXTENSION
11	2	BOTTOM ISOLATOR BRACKET (1 DRIVER, 1 PASSENGER)	4MM ALLEN
12	2	MOUNTING BRACKET REAR (1 DRIVER, 1 PASSENGER)	DRILL
13	4	ISOLATOR KIT	1/2" DRILL BIT
14	6	PLATE ADAPTER	
15	8	BRACKET COVER	
16	10	BOLT/NUT PLATE	
17	4	M10 FLANGED HEX HEAD BOLT (BLACK ZINC)	
18	10	M10 SPLIT LOCK WASHER (YELLOW ZINC)	
19	10	M10 FLAT WASHER (YELLOW ZINC)	
20	10	M10 HEX NUT (YELLOW ZINC)	
21	12	M8 HEX HEAD CAP SCREW (YELLOW ZINC)	
22	24	M8 SPLIT LOCK WASHER (12x Yellow Zinc, 12x Black Zinc)	
23	24	M8 FLAT WASHER (12x Yellow Zinc, 12x Black Zinc)	
24	12	M8 HEX NUT (BLACK ZINC)	
25	24	M6 HEX HEAD CAP SCREW (12x Yellow Zinc, 12x Black Zinc)	
26	6	M6 BUTTON HEAD SCREW (BLACK ZINC)	
27	24	M6 FLAT WASHER (YELLOW ZINC)	
28	12	THICK M6 FLAT WASHER (BLACK ZINC)	
ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING			



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San Dimas, Ca. 91773

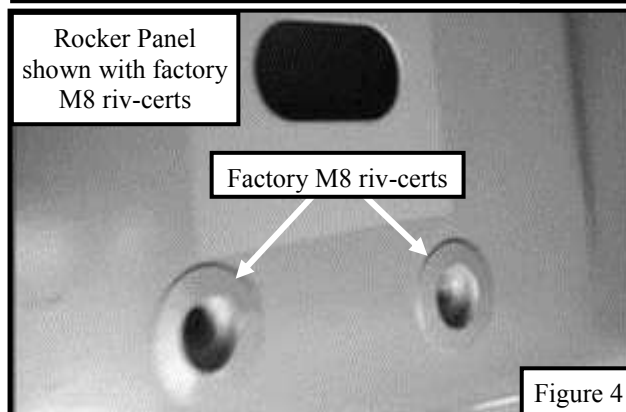
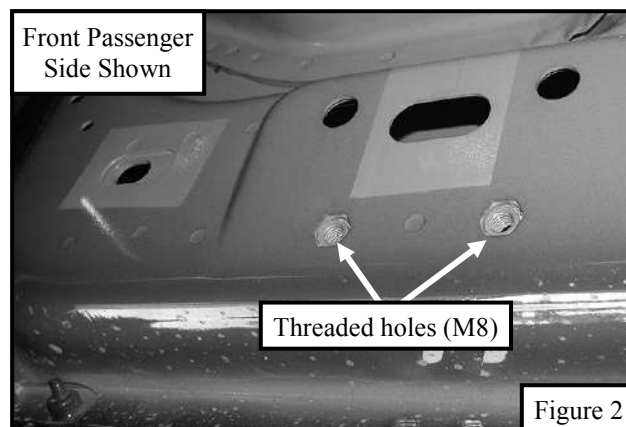
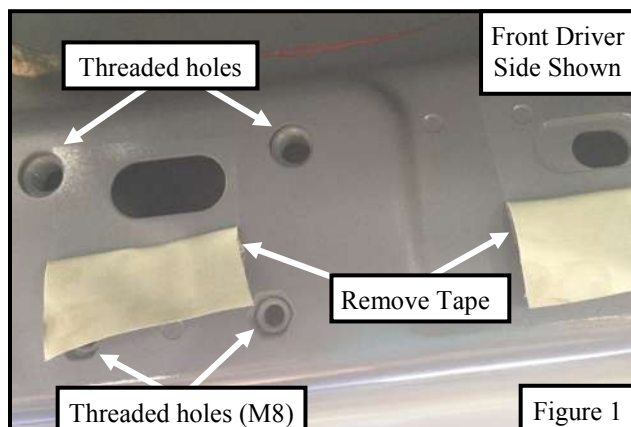
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CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
29	6	SMALL M6 FLAT WASHER (BLACK ZINC)	
30	12	M6 SPLIT LOCK WASHER (BLACK ZINC)	
31	16	M6 NYLOCK NUT (YELLOW ZINC)	
32	6	M6 SERRATED FLANGE NUT (BLACK ZINC)	
33	8	M8 RIVCERT	
34	10	M10 PLASTIC RETAINER	
35	4	M10 FISH WIRE	
36	4	M12 SPLIT LOCK WASHER (YELLOW ZINC)	
37	4	M12 HEX HEAD CAP SCREW (YELLOW ZINC)	
38	8	THREAD CUTTING NUT	

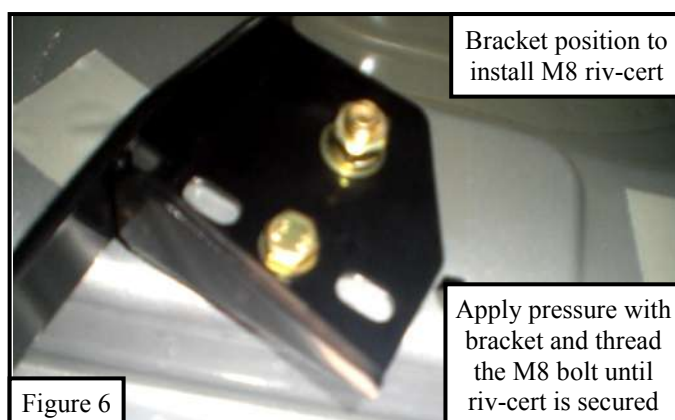
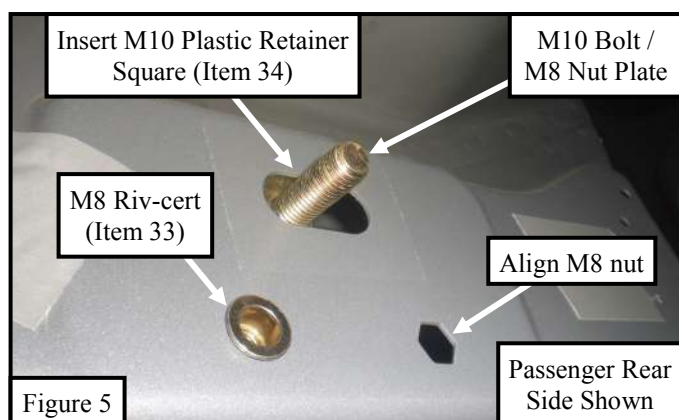


PROCEDURE			
1. Remove contents from box, verify if all parts listed are present and free from damage.			
Carefully read and understand all instructions before attempting installation.			
Failure to identify damage before installation could lead to a rejection of any claim.			

2. Check either side of the vehicles rocker panel, locate the factory holes in the rocker panel by removing the tape. Check and verify what type of rocker panel you have. See **Figures 1, 2, 3, & 4.** **Note:** If any of the locations on the factory holes in the rocker panel have factory M8 riv-certs or threaded M8 holes, do not use provided M8 riv-certs (Item 33) at that location. Refer to **Figures 1, 2, & 4.**

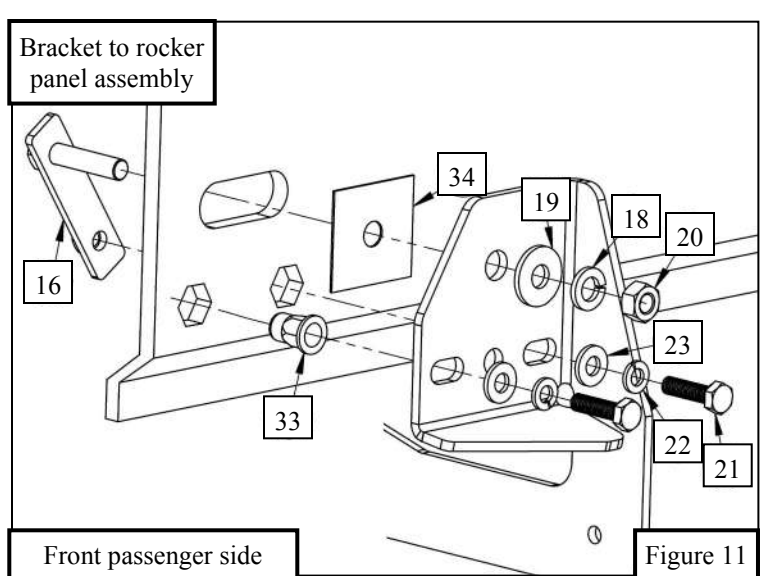
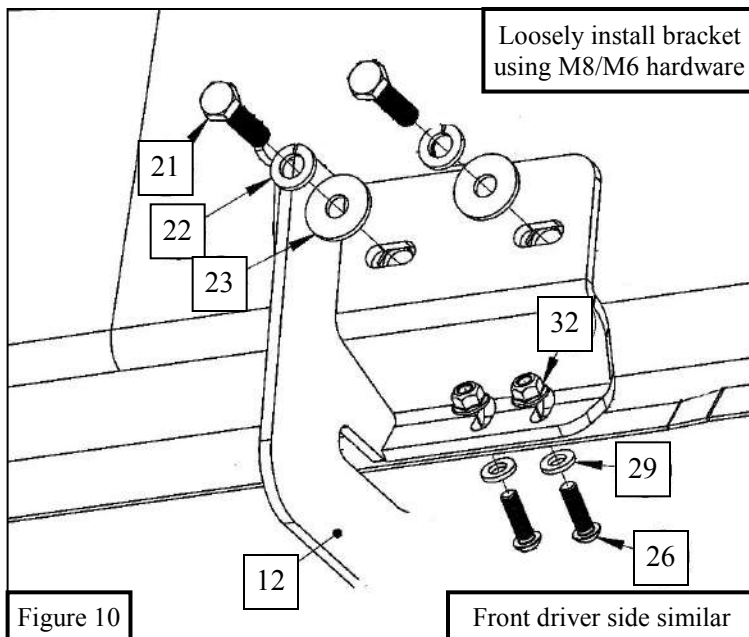
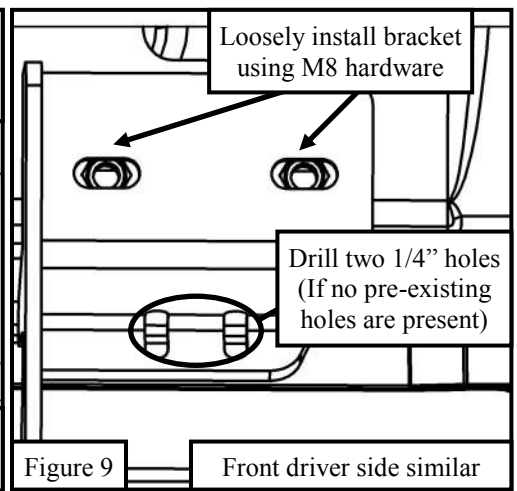
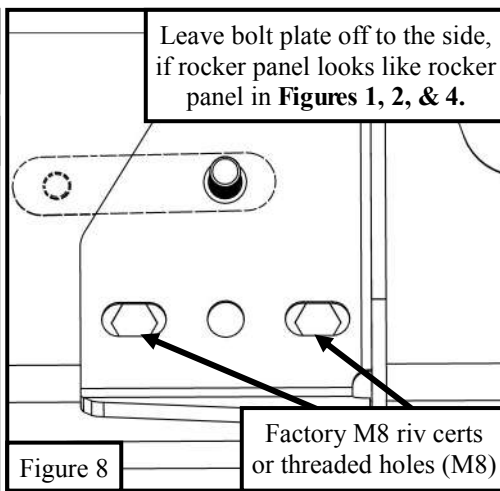
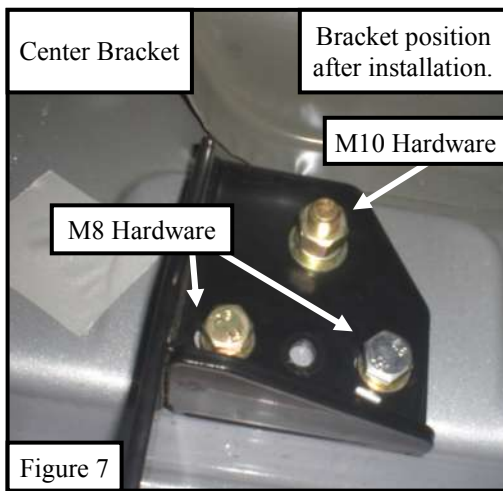


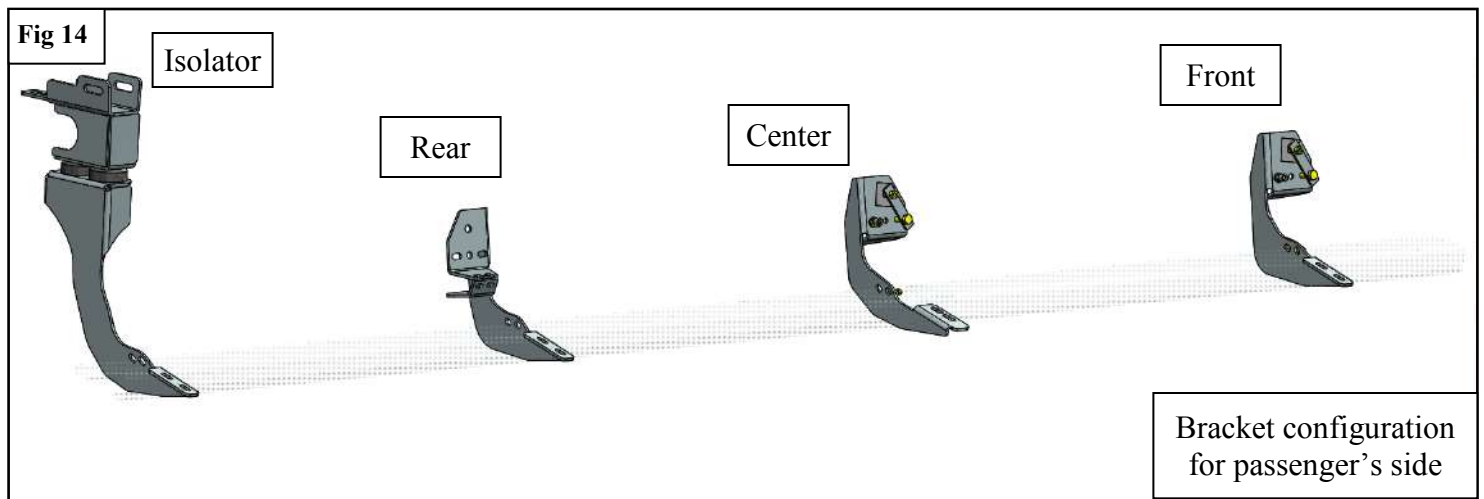
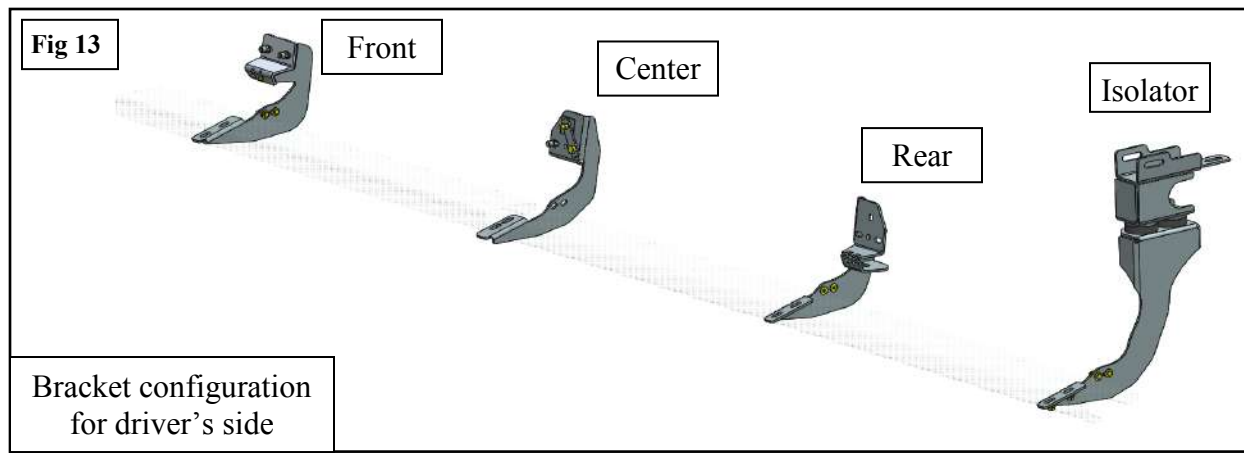
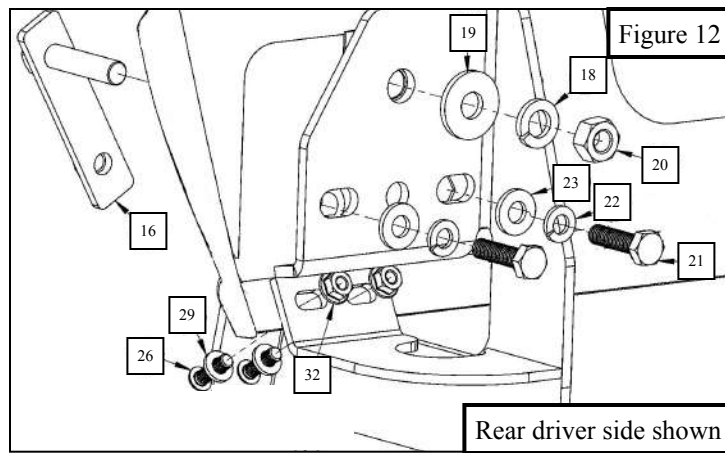
3. **Starting from the driver side:** If the threaded holes or threaded holes are not present use (1) M8 riv-certs (Item 33) and insert one into the either hex hole. Insert (1) M10 bolt / M8 nut plate (Item 16) and secure using (1) plastic retainer square (Item 34). See **Figure 5.** **Note:** See **Figure 6** for example on how to tighten M8 riv-certs, it will require to use an M10 bolt with M8 nut plate (Item 16) along with a bracket to perform this task. This procedure will permanently install M8 riv-cert. Repeat **step 3** for every bracket, except for the isolator bracket.



FOR NEWER MODELS: If the rocker panel has pre-installed M8 riv-certs or threaded holes, the M10 bolt / M8 nut plate will need to be positioned as shown in **Figure 8**.

4. Proceed to install Mounting Bracket **Item 8** and Mounting Bracket **Item 12** onto the rocker panel by using (2) M8 hex cap screws, (2) M8 lock washers, (2) M8 flat washers. For the pinch weld, attach bracket by using the provided black zinc M6 hardware. See **Figures 9, 10, and 12**.
Note: Drilling of two 1/4" holes might be necessary on pinch weld if factory holes are not present. Before drilling place masking tape on drill surface to prevent paint chipping.
5. Loosely secure the Link Bracket **Item 4** to the rocker panel in the center mounting locations and **Item 8** to front passenger location using (2) M8 hex bolts, (2) M8 lock washers, (2) M8 flat washers, (1) M10 flat washer, (1) M10 lock washer, and (1) M10 hex nut. Leave everything loose at this time. See **Figures 7 & 11**.





6. Obtain both sections of the Step Bar Assembly (1 or 2). Slide the Reinforcement Links (6 & 7) into both sides of the step bar sections. See **Figure 15**. Line up the holes on the Step Bar sections with the holes on the Reinforcement Links (4 & 7). See **Figure 16**.



Fig 15

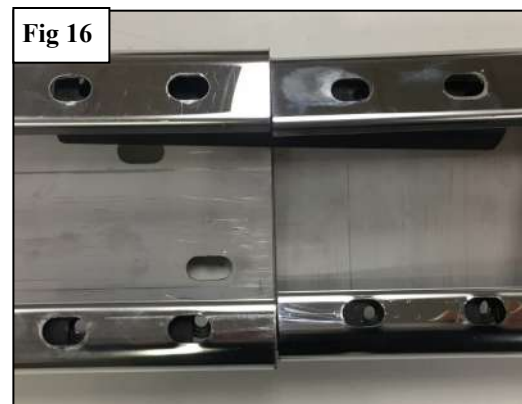


Fig 16

7. Place the supplied step pad into the holes to connect the two Step Bar sections (1 & 2). Place the supplied thread cutting nut on each of the plastic stems. See **Figures 17 and 18**.



Fig 17



Fig 18

8. Obtain the Link Plate (5) and secure it to the Step Bar Assembly (1 & 2) using the supplied M6 Hardware. See **Figure 19**.

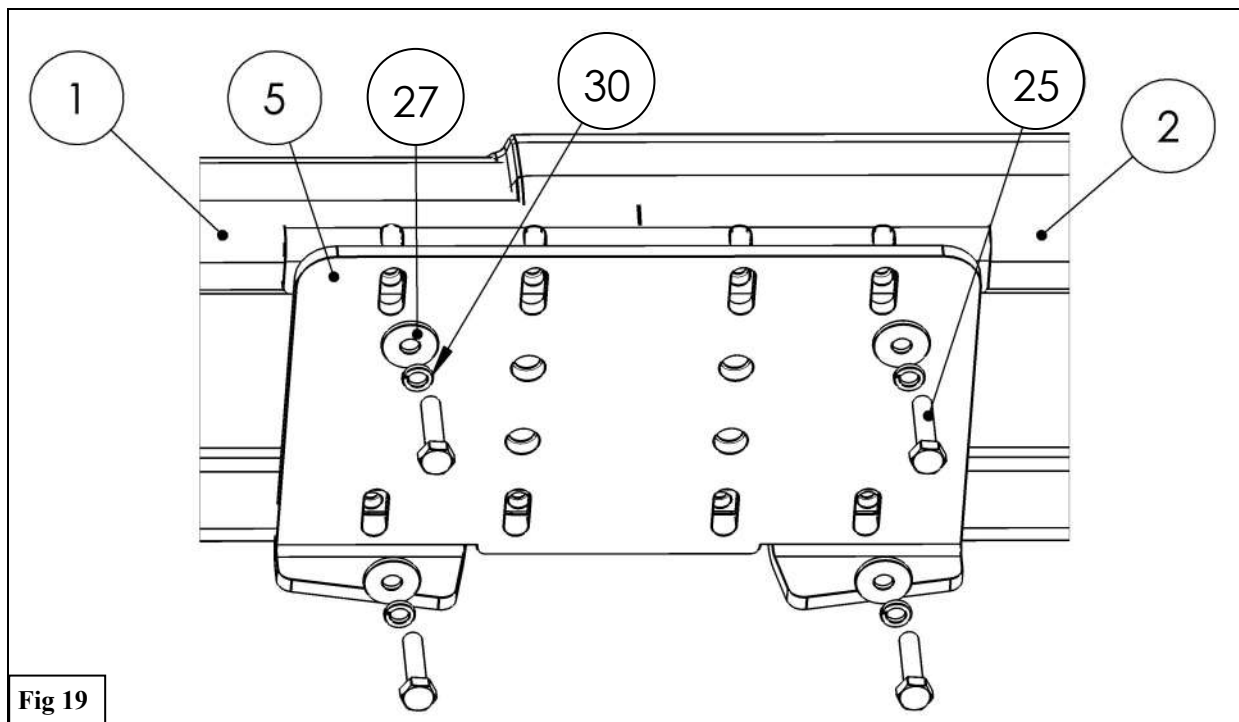


Fig 19

9. Installation of the step boards will utilize the supplied M8 hardware with Plate Adapters (14) for all brackets excluding the Link Brackets (4). The Link Brackets (4) will use the supplied M10 hardware. See **Figures 20 and 21**.

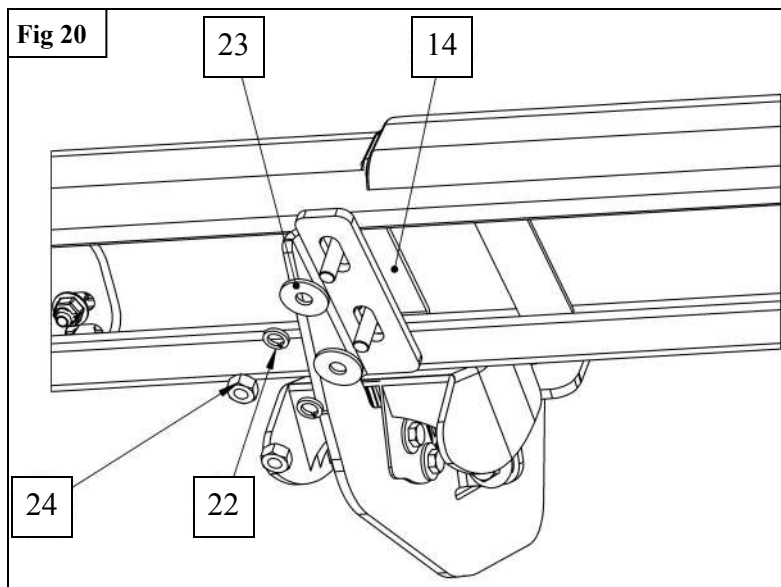


Fig 20

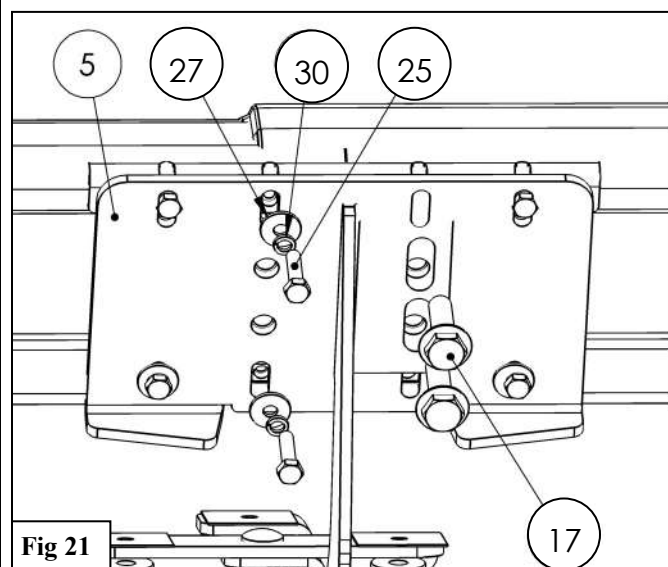
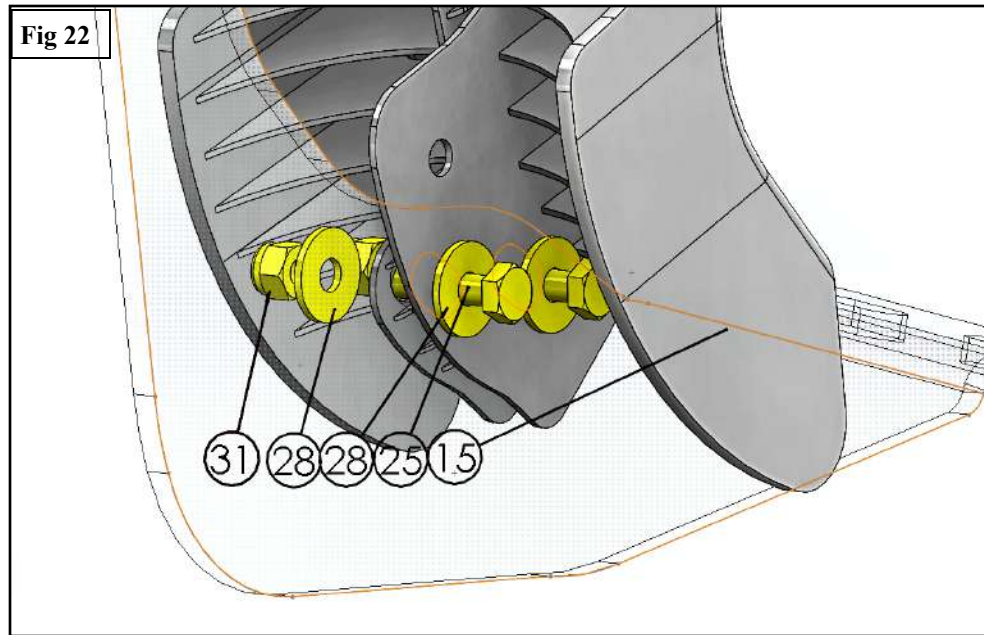


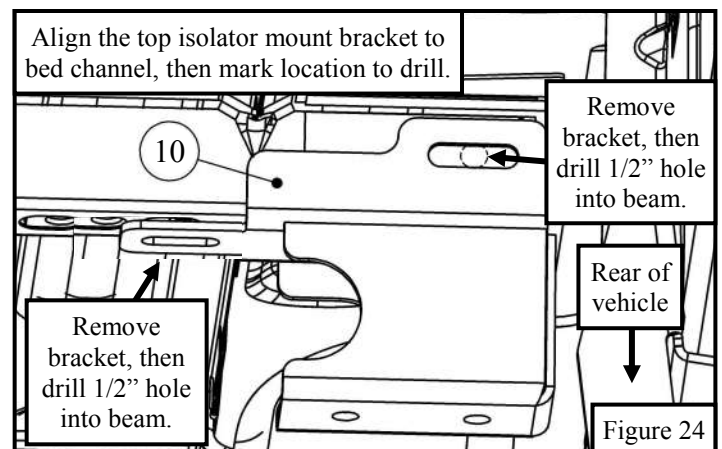
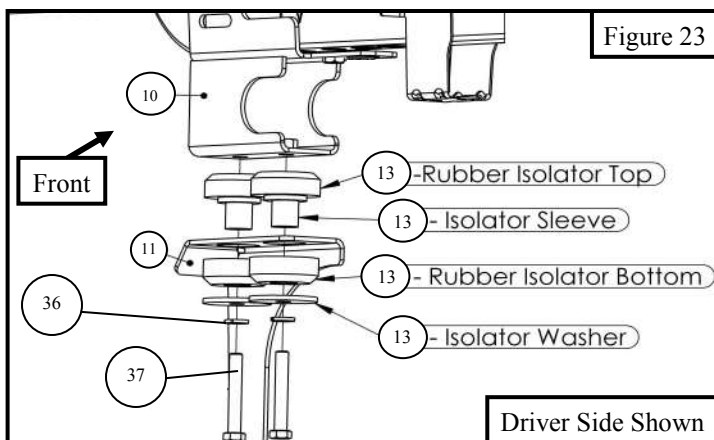
Fig 21

FOR LINK BRACKETS ONLY

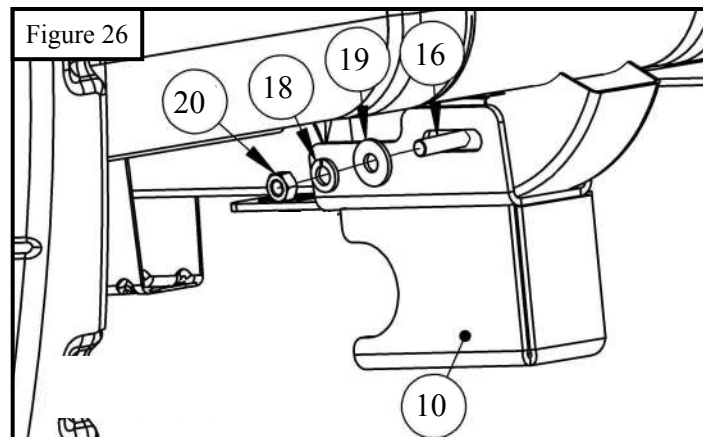
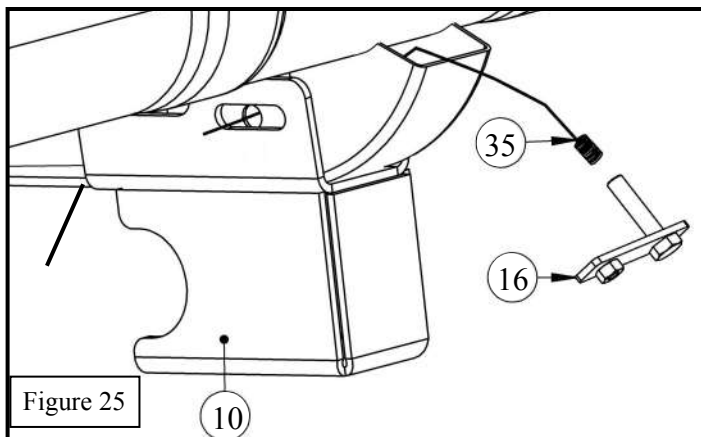
10. Use supplied M6 hardware following the configuration shown in **Figure 22** to install plastic bracket covers. Tighten until bracket cover stays sturdy in desired position.



11. On the driver side of the vehicle, directly behind the cab, underneath the bed locate the bed channel that mounts the bed to the frame. Locate (1) top isolator mount bracket (Item 10), (1) bottom isolator mount bracket, and the isolator kit and assemble the isolator brackets. Loosely mount to the pre-assembled running board. **See Figure 23**
12. Align the upper isolator bracket to the beam and mark 2 locations to drill. Drill locations using 1/2" drill bit. **See Figure 24.**



13. Align the top isolator mount bracket (Item 10) with the 1/2" drilled hole. **Note:** It is necessary to keep the top isolator mount bracket aligned with the hole until the bolt of the M10 bolt / M8 nut plate is through. Locate (1) M10 fish wire (Item 28) and insert end with spiral through the recently drilled 1/2" hole and out of vehicle frame. Then locate (1) M10 bolt / M8 nut plate (Item 16) and screw onto the fish wire. Pull the bolt / nut plate through the hole. Repeat for second hole. See **Figure 25**.
14. Loosely secure bolt plate using (1) M10 hex nut, (1) M10 split lock washer, and (1) M10 flat washer (Items 15-17). See **Figure 26**.
15. Repeat steps 11-14 on the passenger side.



16. To minimize gap between step bars, and for a better fit of step pad around step bar, make sure to align and adjust the step bars and brackets as needed, then fully tighten all hardware: M6 to 5 to 7 ft-lbs, M8 to 15-18 ft-lbs, M10 to 32-38 ft-lbs, and M12 to 52-60 ft-lbs.

INSTALLATION COMPLETE



CARE INSTRUCTIONS

- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER

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WARNING



Failure to follow these instructions could lead to death, personal injury, and / or property damage.

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FASTENERS:

All Westin supplied fasteners must be utilized and installed in accordance with the installation instructions and apply torque to the specifications as defined. **DOUBLE CHECK ALL FASTENERS BEFORE INITIAL USE, AND PERIODICALLY IN THE FUTURE TO ENSURE PROPER FUNCTION AND SAFETY.**

DRILLING:

Most Westin products do not require drilling for installation. If drilling is defined as required, use caution when drilling a vehicle. **FAILURE TO REVIEW AN AREA TO BE DRILLED MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

EYE PROTECTION:

ALWAYS WEAR SAFETY GLASSES OR GOGGLES DURING THE INSTALLATION PROCESS TO AVOID PERSONAL INJURY.

MAXIMUM TOWING/CARRYING CAPACITY: (if applicable)

The Westin Receiver Hitches will have a visible tow rating label affixed directly on the product. User should never exceed the vehicle manufacturers maximum tow and weight rating regardless of the capacity of the hitch. **FAILURE TO FOLLOW THESE GUIDELINES WILL VOID THE WESTIN WARRANTY AND MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

FOR CALIFORNIA RESIDENTS ONLY-PROP 65 WARNING:

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