

INSTALLATION INSTRUCTIONS

E-Series Step Bar



APPLICATION: 2022-2024 FORD MAVERICK

PART NUMBER: 23-6485

CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	DRIVER STEPBAR	16MM SOCKET 13MM SOCKET 6MM ALLEN KEY RATCHET TORQUE WRENCH SLIP JOINT PLIERS WHITE MARKER UTILITY KNIFE TAPE
2	1	PASSENGER STEPBAR	
3	1	DRIVER FRONT BRACKET	
4	1	DRIVER FRONT SUPPORT BRACKET	
5	1	DRIVER CENTER BRACKET	
6	1	DRIVER CENTER SUPPORT BRACKET	
7	1	DRIVER REAR BRACKET	
8	1	DRIVER REAR SUPPORT BRACKET	
9	1	PASSENGER FRONT BRACKET	
10	1	PASSENGER FRONT SUPPORT BRACKET	
11	1	PASSENGER CENTER BRACKET	
12	1	PASSENGER CENTER SUPPORT BRACKET	
13	1	PASSENGER REAR BRACKET	
14	1	PASSENGER REAR SUPPORT BRACKET	
15	2	CENTER SUPPORT PADS	
16	6	M10 SPIRAL BOLTS	
17	2	M10 SHORT BOLT PLATE (REAR USE)	
18	2	M10 LONG BOLT PLATE (FRONT USE)	
19	2	M10 HEX HEAD BOLT	
20	10	M10 FLAT WASHER LARGE	
21	2	M10 FLAT WASHER SMALL	
22	24	M10 LOCK WASHER	
23	12	M10 HEX NUT	
24	2	M10 FISH WIRE	
25	10	M10 PLASTIC RETAINER	



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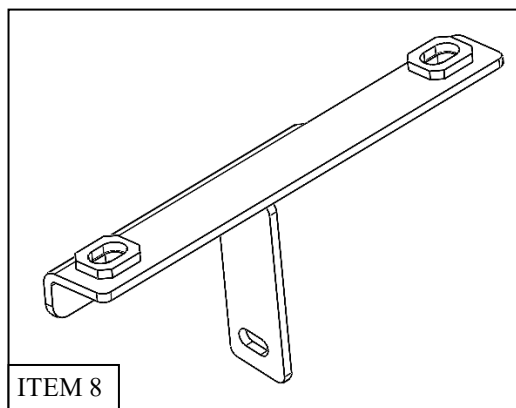
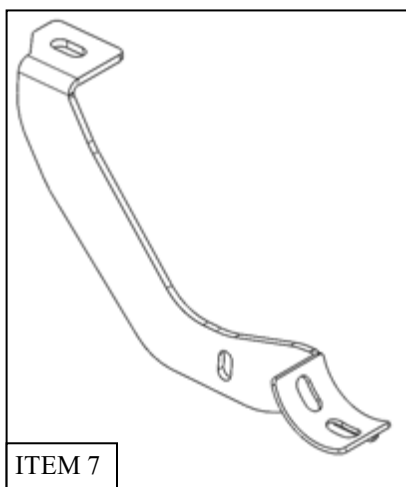
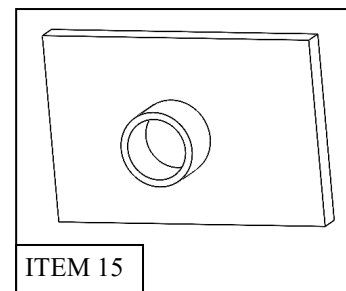
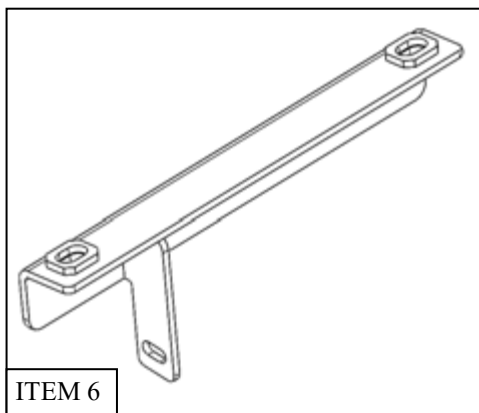
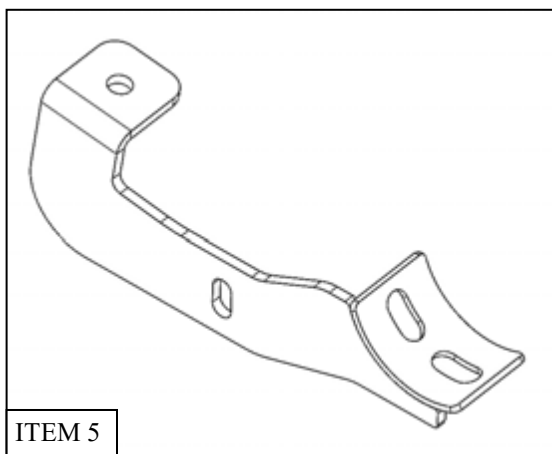
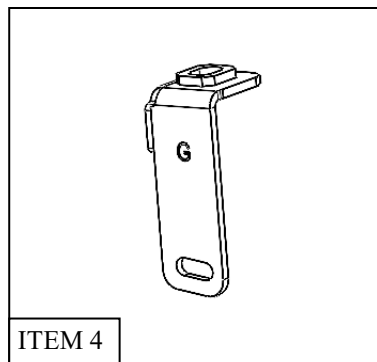
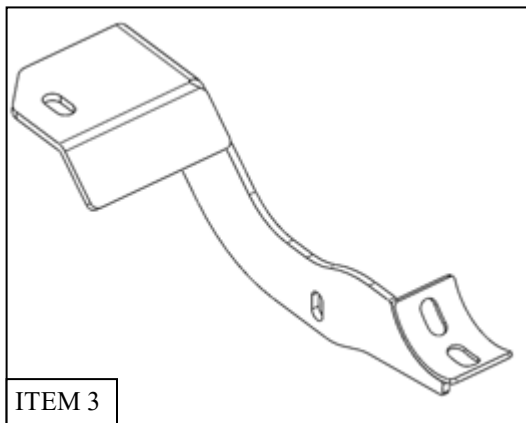
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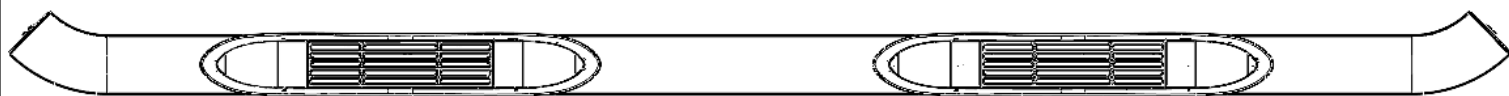
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
26	4	M8 NUT PLATE	
27	18	M8 HEX HEAD BOLT SHORT	
28	4	M8 HEX HEAD BOLT LONG	
29	28	M8 FLAT WASHER	
30	22	M8 LOCK WASHER	
31	6	M8 HEX NUT	

ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING



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ITEM 1

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. Starting on the driver side, locate the rectangular plastic clips attaching the plastic rocker panel cover to the bottom of the vehicle's body. Remove the clip that is 2nd from the front driver side tire. **(Fig 1)**
3. It is recommended to use a pair of slip joint pliers to grip the plastic clip and rotate so it disengages from the rocker panel.
4. Next, insert one M10 Spiral Bolt (Item 16) into the vehicle's body. See the qr code below for instructions of how to insert the spiral bolt. **(Fig 2-4)**
5. Place a M10 Plastic Retainer (Item 27) onto the spiral bolt so it does not fall out.

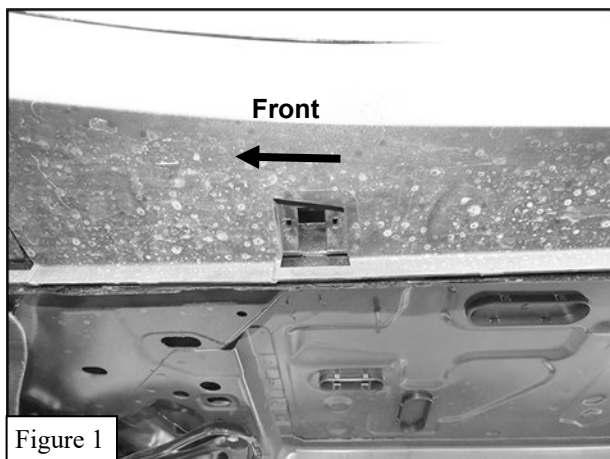


Figure 1



Figure 2



(Fig 2) Follow link for M10 Spiral Bolt installation.

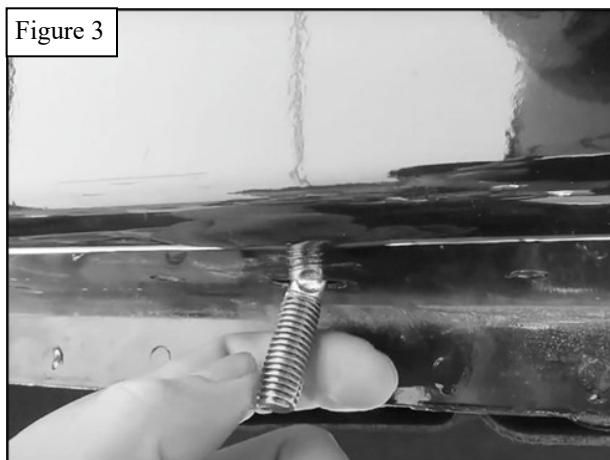


Figure 3

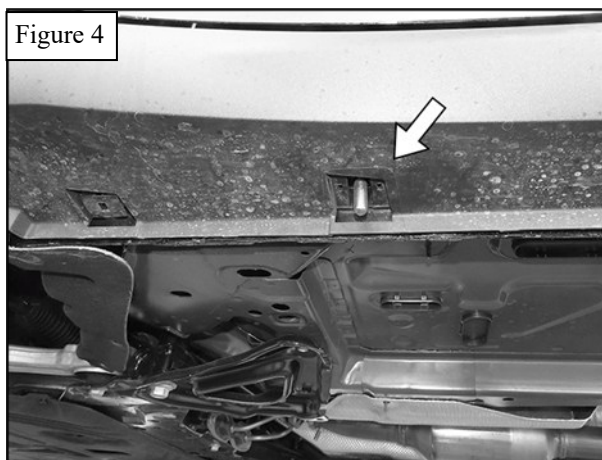


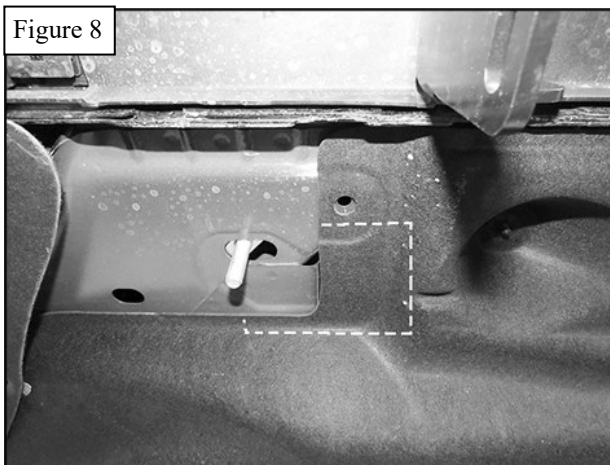
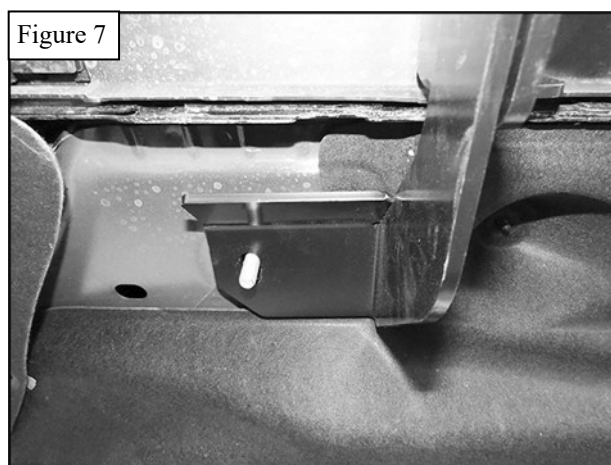
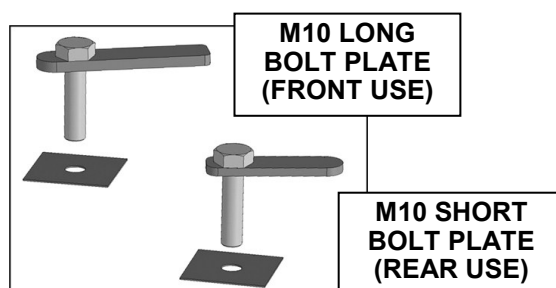
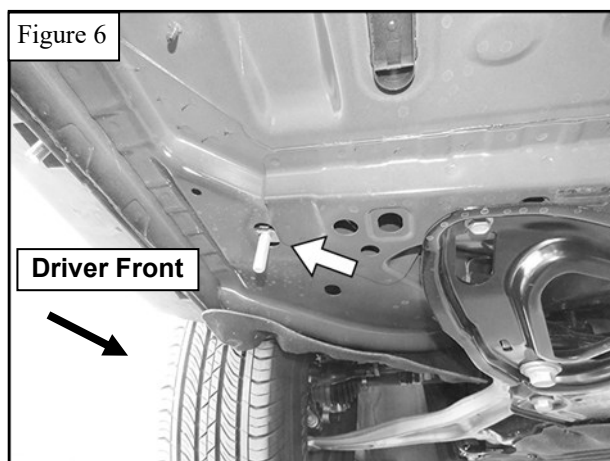
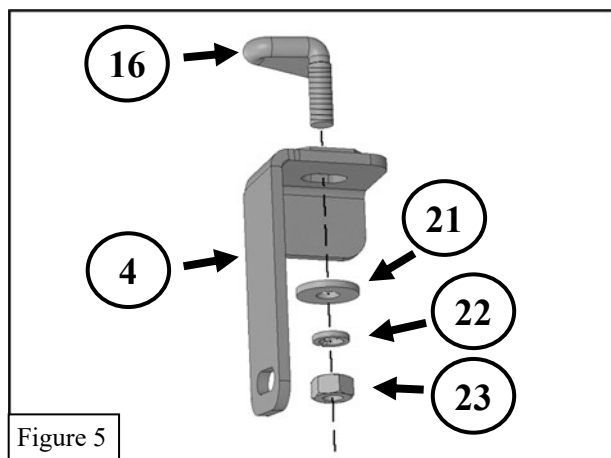
Figure 4

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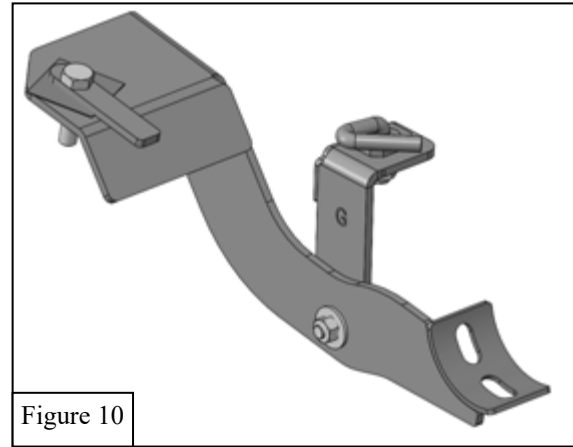
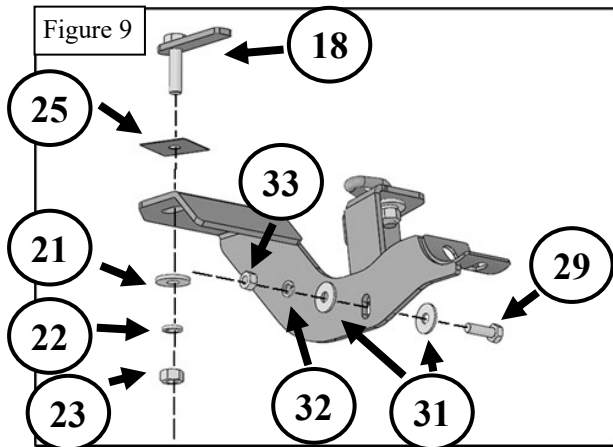
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6. Locate the Driver Front Support Bracket (Item 4) and loosely fasten it to the M10 spiral bolt using one M10 Flat Washer Large (Item 20), one M10 Lock Washer (Item 22), and one M10 Hex Nut (Item 23). (**Fig 5**).
7. Insert a M10 Long Bolt Plate (Item 18) into the hole under the vehicle's body as shown in **Fig 6**. Use a M10 plastic retainer to keep the bolt plate from falling out.
8. Now, use the Driver Front Bracket (Item 3) to slide over the M10 long bolt plate; do not use hardware to fasten the driver front bracket to the M10 long bolt plate yet. (**Fig 7**).
9. Use a white marker to trace the outline of the driver front bracket onto the underbody cover of the vehicle (**Fig 8**). Carefully cut along the outline using a utility knife. This ensures the front bracket will sit flush with the underbody of the vehicle.

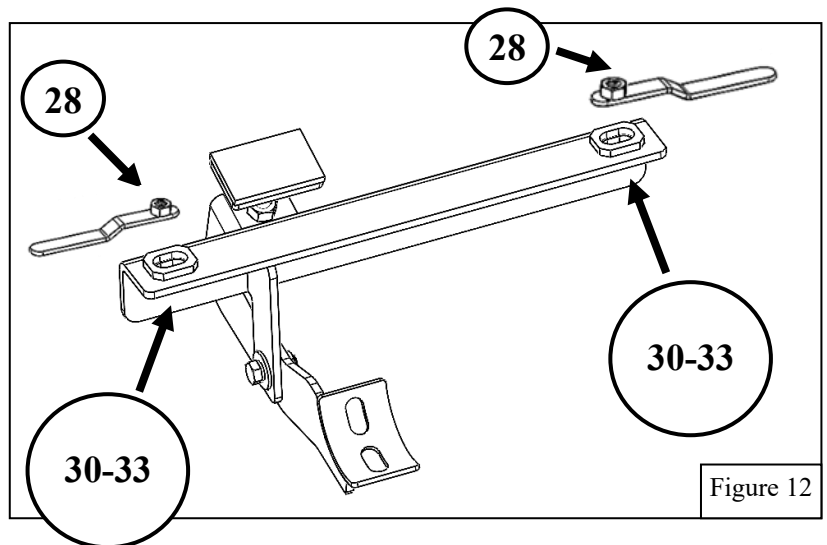
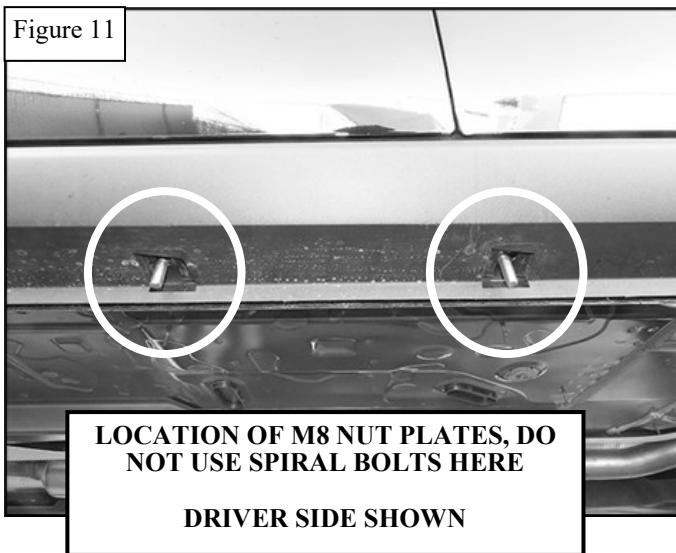


10. Loosely attach the Driver Front Bracket (Item 3) to the Driver Front Support Bracket (Item 4) using a M8 Hex Bolt (Item 29), two M8 Flat Washers (Item 31), one M8 Lock Washer (Item 32), and a M8 Hex Nut (Item 33).
11. Now loosely fasten the Driver Front Bracket to the M10 long bolt plate using one large M10 Flat Washer, one M10 Lock Washer, and one M10 hex nut.
12. The front driver bracket assembly should look like **Figures 9-10** below.

Note: The images below show the M10 long bolt plate visible however, at this point the M10 long bolt plate should already be within the vehicle's underbody as seen in **Fig 8**.



13. Locate and remove the two rectangular plastic clips that are below where the front and rear doors meet (**Fig 11**). Insert a M8 Nut Plate (Item 28) into each hole of the vehicle's body in the orientation shown in (**Fig 12-13**). The M8 nut plates will be behind the plastic rocker panel cover.
14. Use two long M8 Hex Bolts (Item 30), two M8 Flat Washers (Item 31), and two M8 Lock Washers (Item 32) to loosely fasten the Driver Center Support Bracket (Item 6) to the two M8 nut plates (**Fig 12**)



15. Next, attach the Driver Center Bracket (Item 5) to the driver center support bracket using one M8 hex bolt, two M8 flat washers, one M8 lock washer, and one M8 hex nut (**Fig 14**).
16. **COMPRESSION PAD INSTALLATION:** use the configuration of the M10 hardware shown in **Figure 15**. Thread one M10 hex nut onto a long M10 hex bolt (Item 19), then place one M10 lock washer (Item 32) and one M10 flat washer (Item 31) onto the M10 hex bolt.
17. Thread the long M10 hex bolt into the weld nut on the Driver Center Bracket and place the Center Support Pad (Item 15) onto the end of the bolt and tighten to place the Center Support Pad against the underbody of the vehicle.
18. Do not tighten the M10 hex bolt all the way. Use the M10 hex nut to adjust the level of the Driver Center Bracket.
19. See the qr code below for a tutorial of the installation of the Center Support Pad.

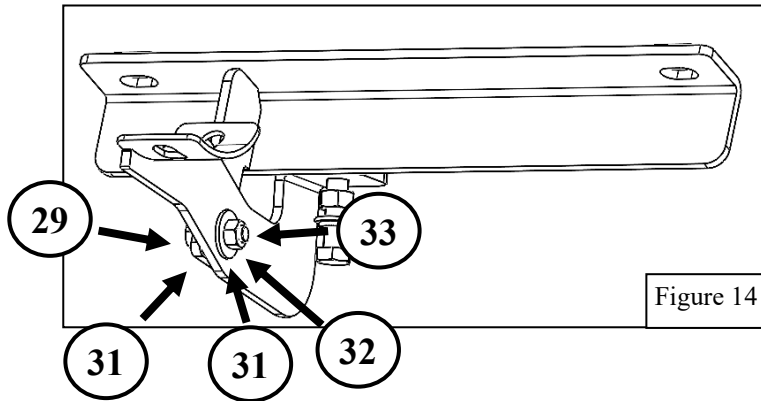


Figure 14



(**Fig 15**) Follow link for Center Support Pad.

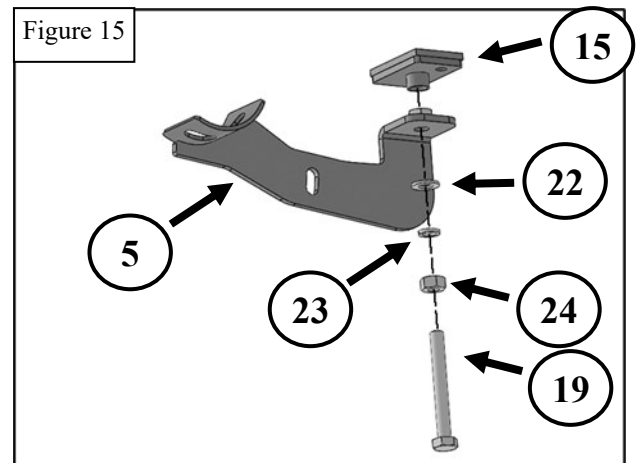


Figure 15

20. Use a white marker to mark the outline shown in **Figure 16** on the plastic underbody cover. This region is directly behind the Driver Center Support Bracket.
21. Carefully cut along the outline using a utility knife. This ensures the center support pad will sit flush with underbody of the vehicle (**Fig 16**).

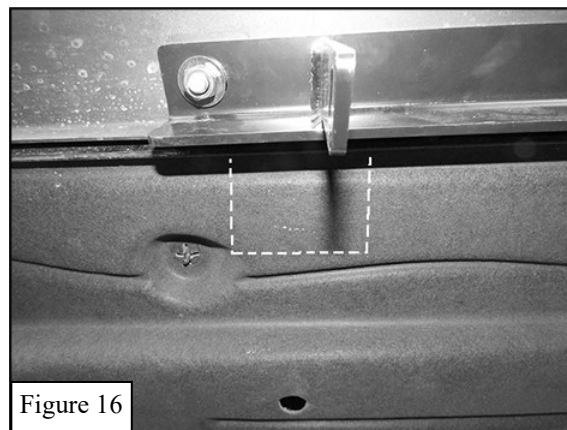
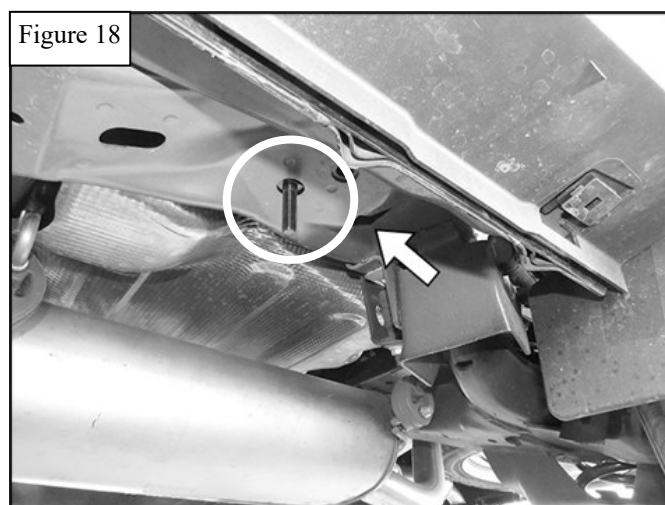
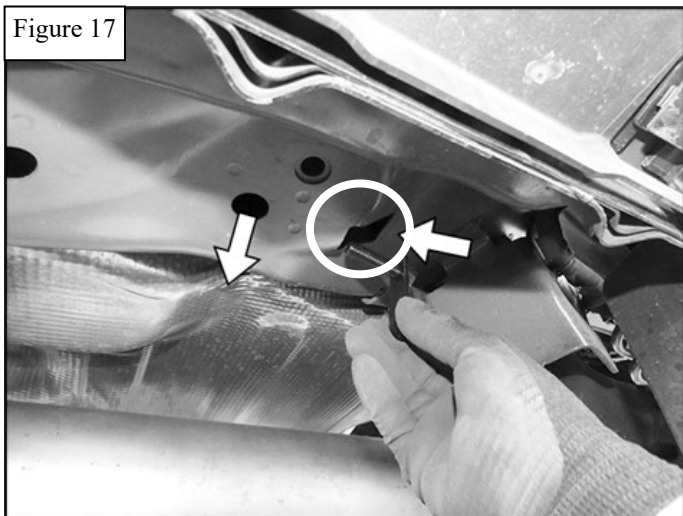
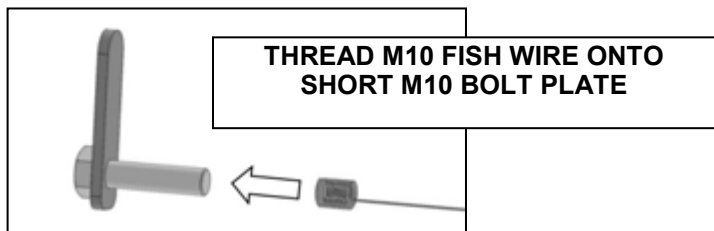
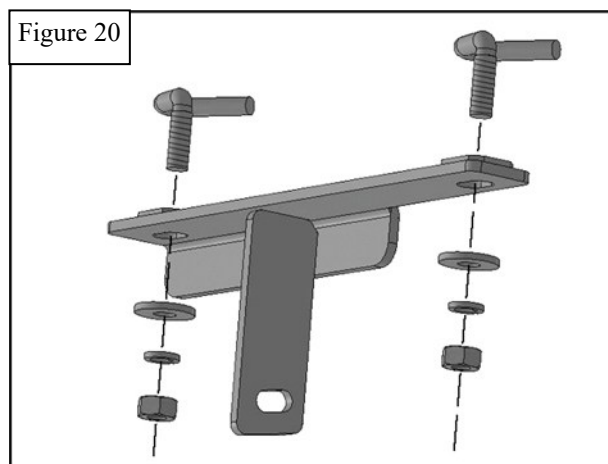
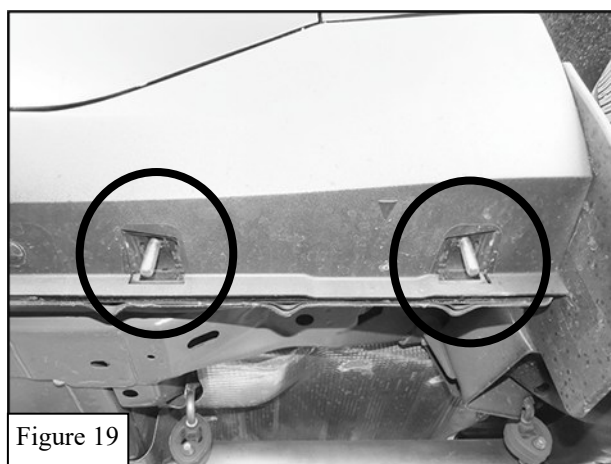


Figure 16

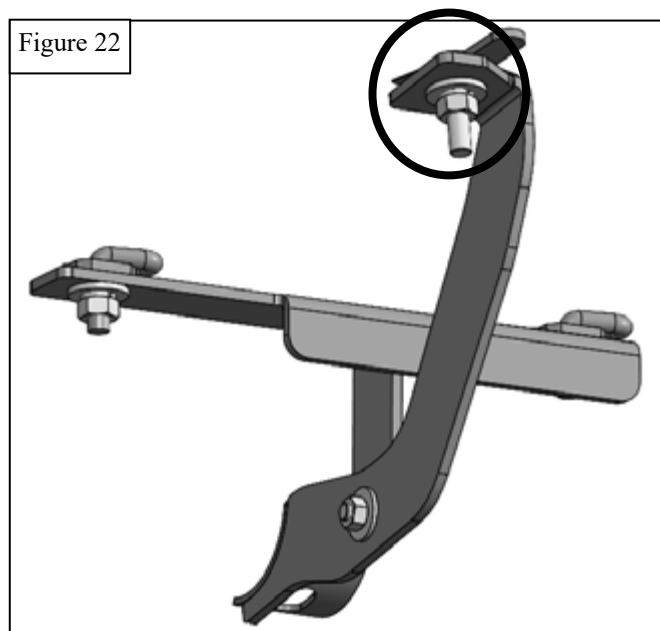
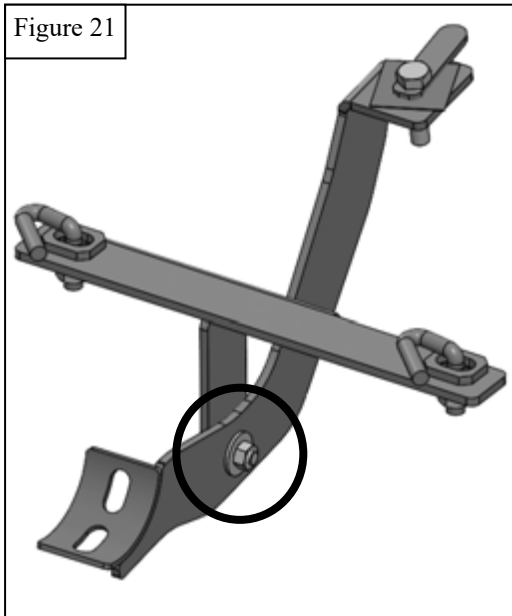
22. For the rear mounting location, locate the circular hole shown in the underbody in **Figure 17** next to the rear tire. Use a M10 fishing wire (Item 26) to thread onto the short M10 bolt plate (Item 17).
23. Pass the bolt plate through the rectangular shaped hole in the underbody and feed the end of the fishing wire through the circular hole (**Fig 16**). Pull the fishing wire through until the threaded section of the bolt is exposed (**Fig 18**).
24. Place a plastic retainer on the bolt so the bolt plate does not fall out of the underbody.



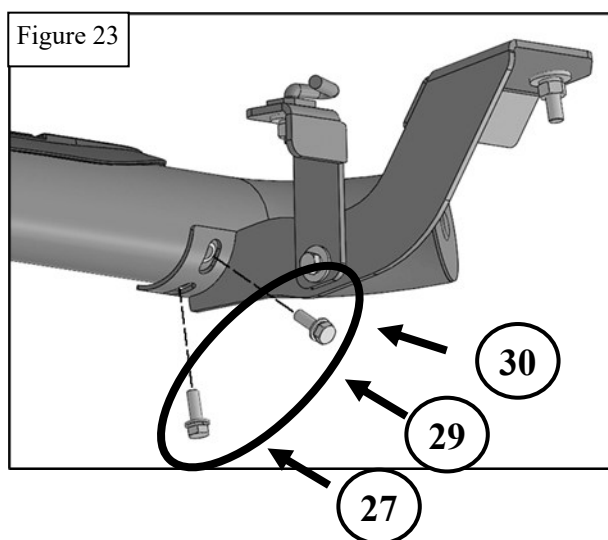
25. Next, locate the two rearward most rectangular plastic clips attaching the plastic rocker panel cover to the bottom of the vehicle's body. Remove the clips using a pair of slip joint pliers; make sure to grip the plastic clip tightly while rotating it so it disengages from the rocker panel.
26. Place a M10 spiral bolt into each of the holes in the vehicle's body and use the plastic retainers to prevent the spiral bolts from falling out. (**Fig 19**)
27. Next, attach the Driver Rear Support Bracket (Item 8) to the spiral bolts using two M10 hex nuts, two large M10 flat washers, and two M10 lock washers in the configuration shown in **Fig 20**.



28. Attach the Rear Mounting Bracket (Item 7) to the rear support bracket using the same M8 hardware configuration as described in Step 10. Refer to **Fig 21** for this step in the installation process.
29. Next mount the rear mounting bracket to the M10 bolt plate using the M10 hardware configuration shown in **Fig 9**. Refer to **Fig 22** for another view of this step.



30. Use six M8 flat washers (Item 29), six M8 lock washers (Item 30), and six short M8 hex head bolts (Item 27) to attach the Driver Stepbar (Item 1) to the mounting brackets on the driver side of the vehicle.
31. Repeat Steps 2 - 30 to install the mounting brackets to the passenger side of the vehicle.
32. Keep all mounting brackets loose until the step bars are mounted, then tighten the step bar bolts followed by the mounting bracket hardware.
33. Use a torque wrench to install all M8 hardware to 16ft-lbs and all M10 hardware to 32ft-lbs.



INSTALLATION COMPLETE



CARE INSTRUCTIONS

- TEXTURE BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER ONLY (DO NOT WAX).
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER.
- POLISHED STAINLESS PRODUCTS SHOULD BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH MAY BE USED TO REMOVE SMALL SCRATCHES.
- REGULAR WAXING IS RECOMMENDED FOR GLOSS BLACK AND STAINLESS STEEL PRODUCTS. DO NOT USE WAX THAT MAY CONTAIN ABRASIVES.



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WARNING



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

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 manufacturer's 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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