

INSTALLATION INSTRUCTIONS

EXP TRUCK CAP



APPLICATION:

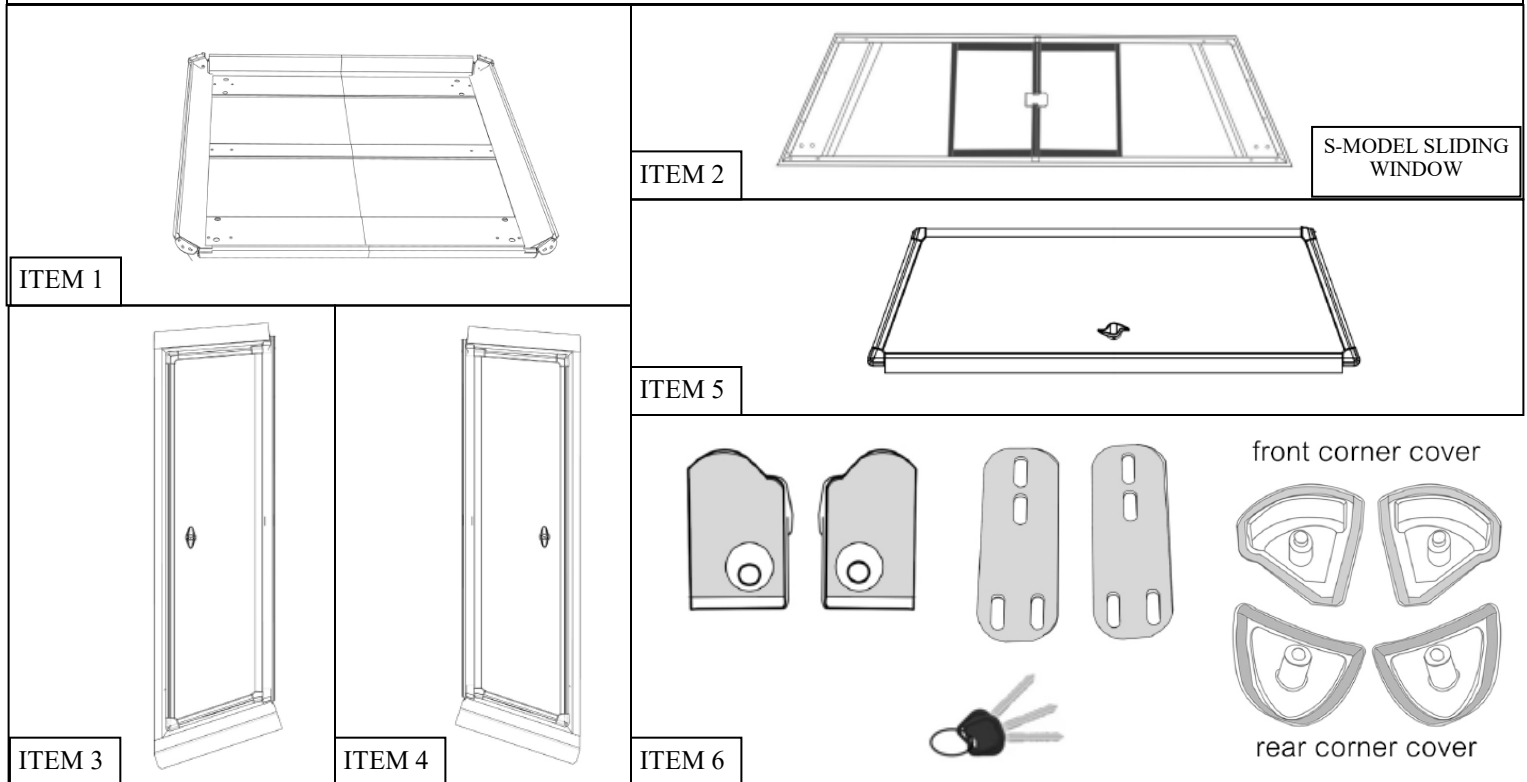
2023-2025 Colorado/Canyon Crew Cab 5' Bed

PART NUMBER:

16-14085S

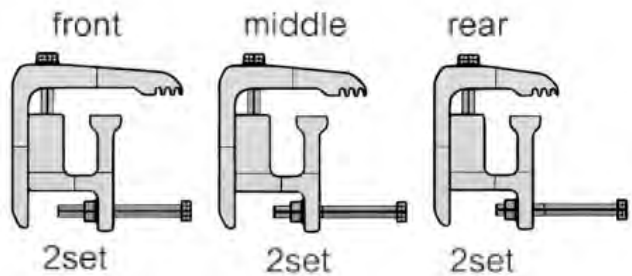
CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	ROOF PANEL	13mm SOCKET
2	1	FRONT PANEL (SLIDING WINDOW OPTIONAL)	12mm SOCKET
3	1	LEFT SIDE PANEL	10mm SOCKET
4	1	RIGHT SIDE PANEL	RATCHET
5	1	REAR DOOR	TORQUE WRENCH
6	1	PARTS KIT #1	5MM ALLEN KEY
7	1	PARTS KIT #2	PHILLIPS SCREW-DRIVER
8	1	PARTS KIT #3	T-20 TORX BIT
9	1	FOAM SPACER	
10	1	INTERIOR LIGHT HARNESS	
11	1	LOCK/UNLOCK HARNESS	

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



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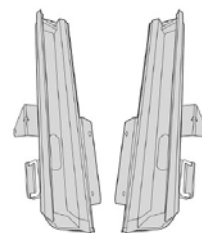
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ITEM 7

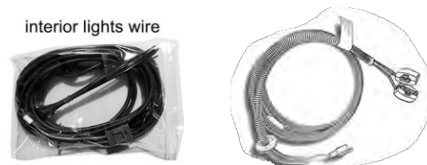


ITEM 9



ITEM 8

interior lights wire



ITEM 10-11

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. With the roof panel secured on a flat surface, slide the rear door into the roof panel. (**Fig. 1**)
3. Next, use a Phillips screwdriver to screw the three (3) #6 x 3/8 pan head tapping screws from **Parts Kit #1 (Item 6)** to secure the rear door panel onto the roof panel. Cross section view A-A shows how the railing system works to attach these components together. (**Fig. 2**)

FIGURE 1

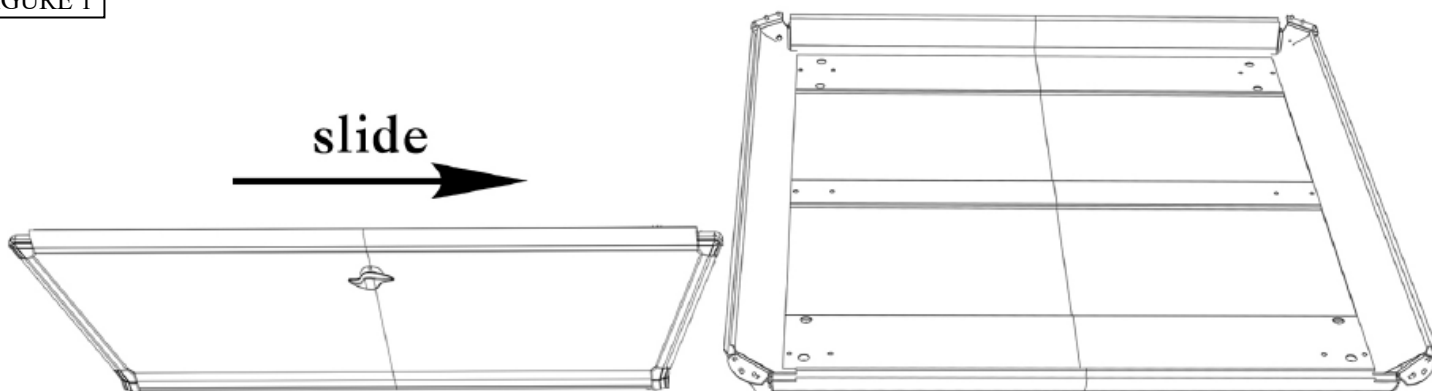
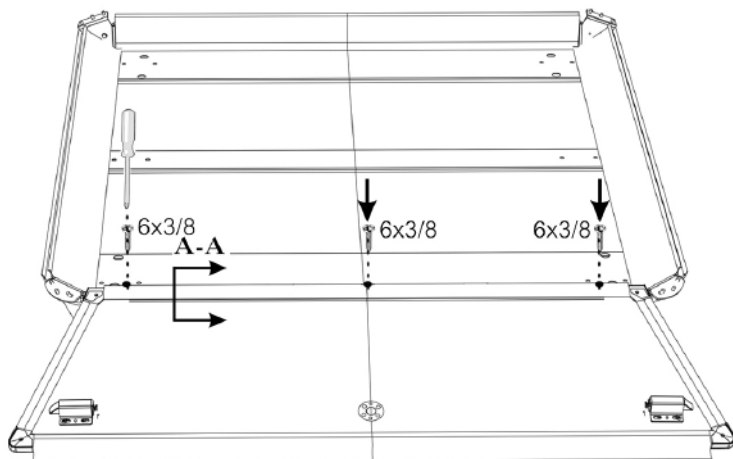
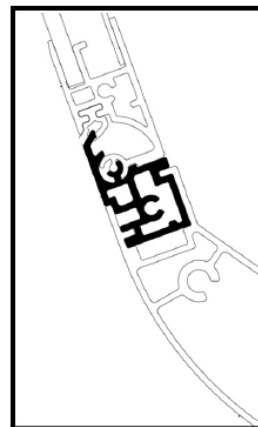


FIGURE 2



A-A

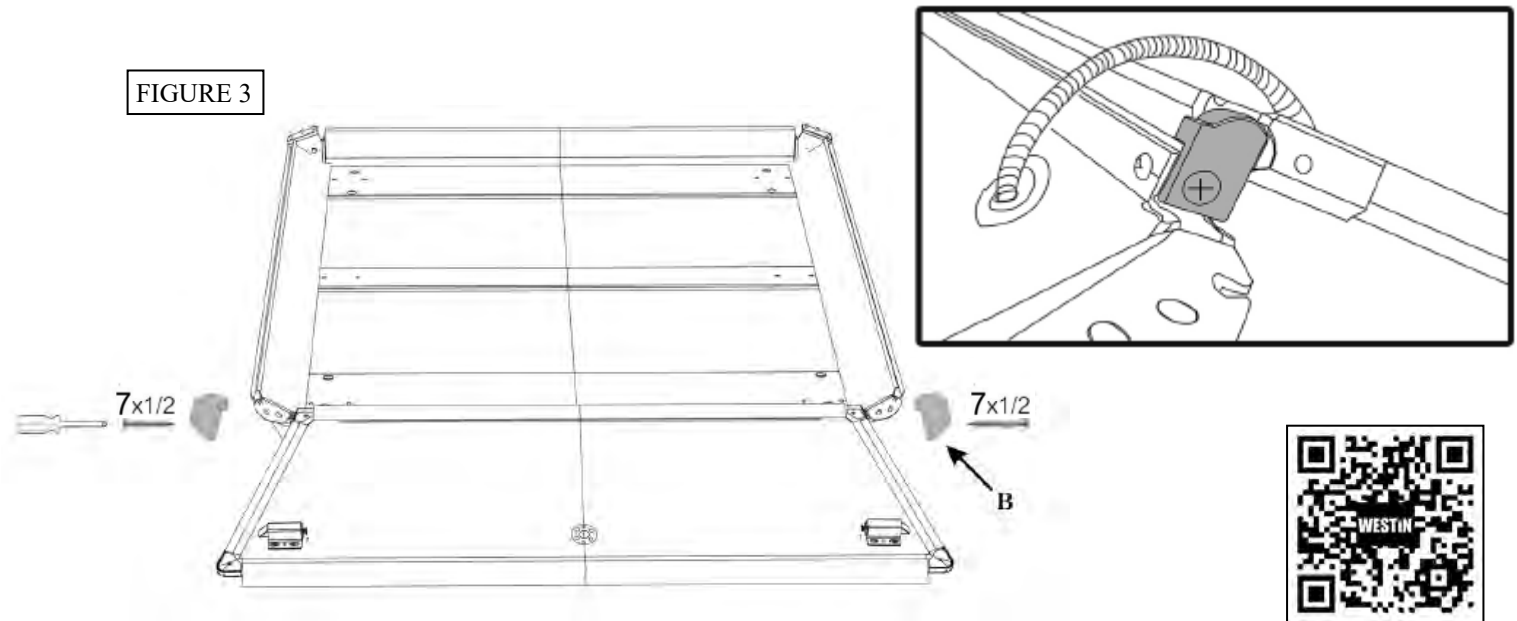


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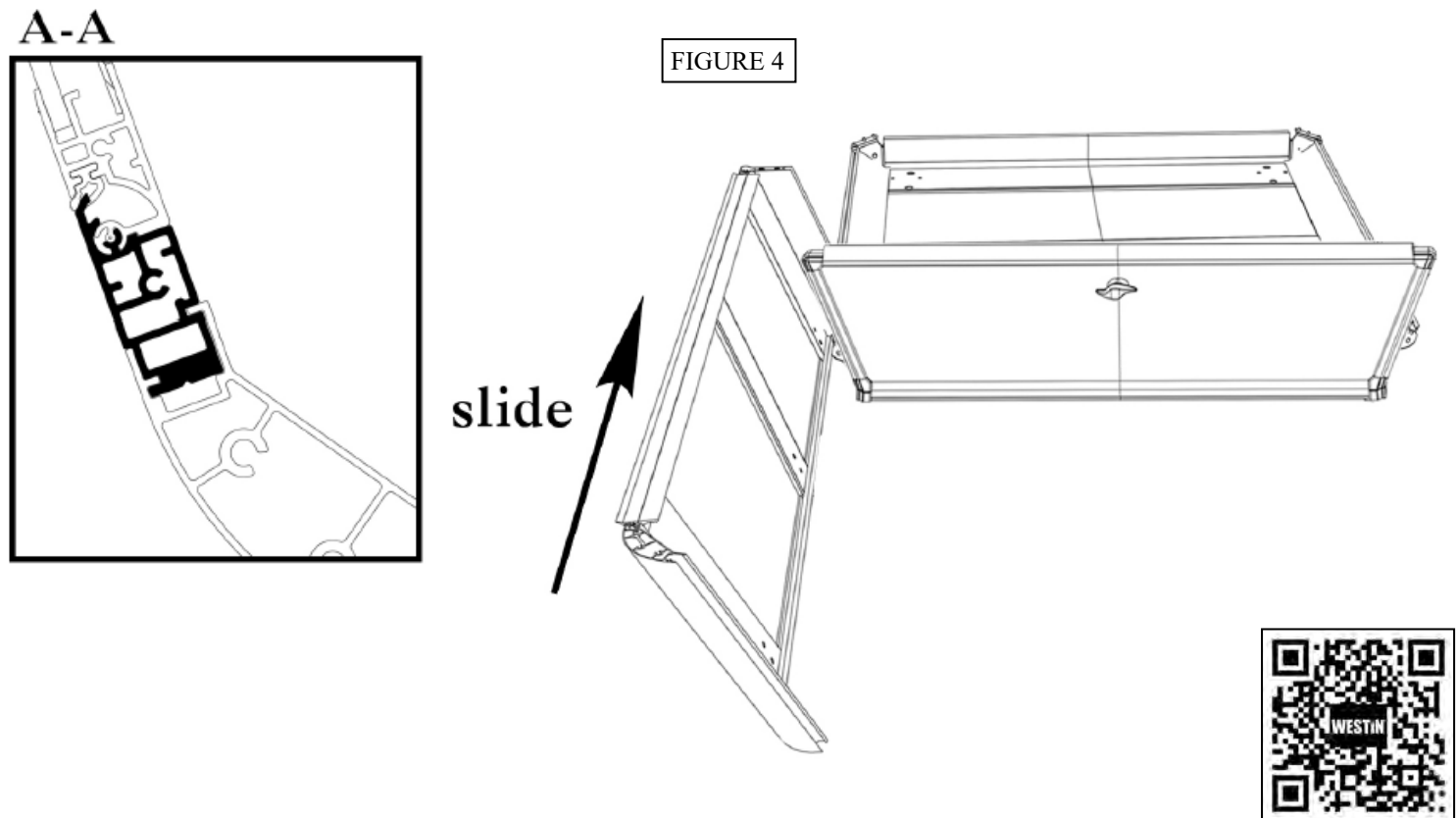
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4. Screw in the rear door side covers using the two (2) #7 x 1/2 flat head tapping screws from **Parts Kit #1 (Item 6)**. The installation should look like the image below. (**Fig. 3**)

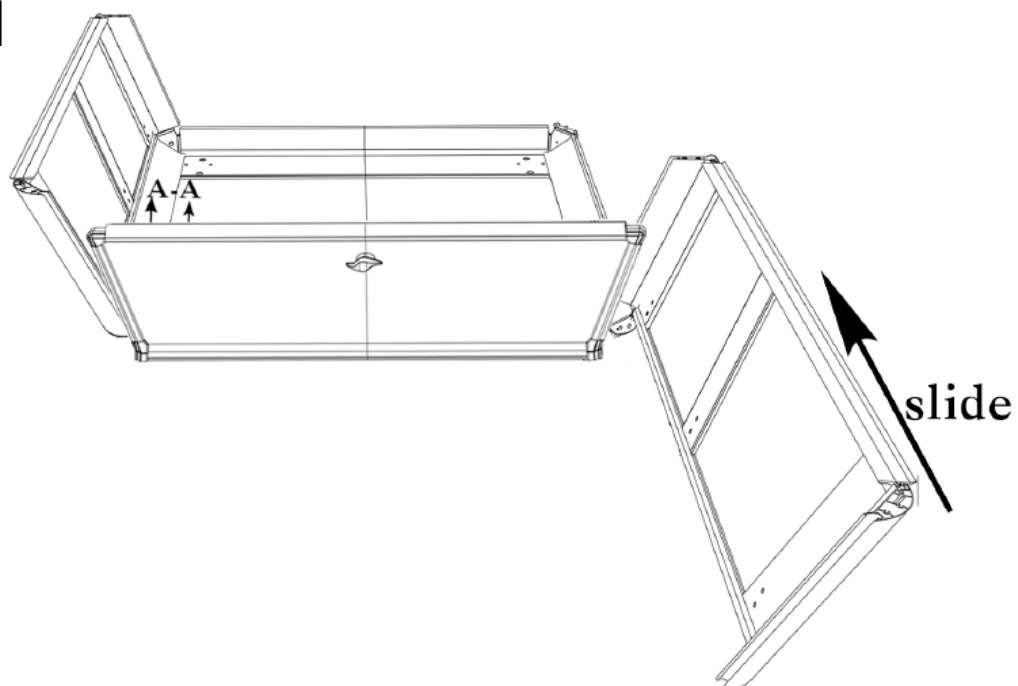


5. While lifting the rear door up, slide the left panel into the railing system. Section view A-A shows how the left panel slides into the roof panel. (**Fig. 4**)



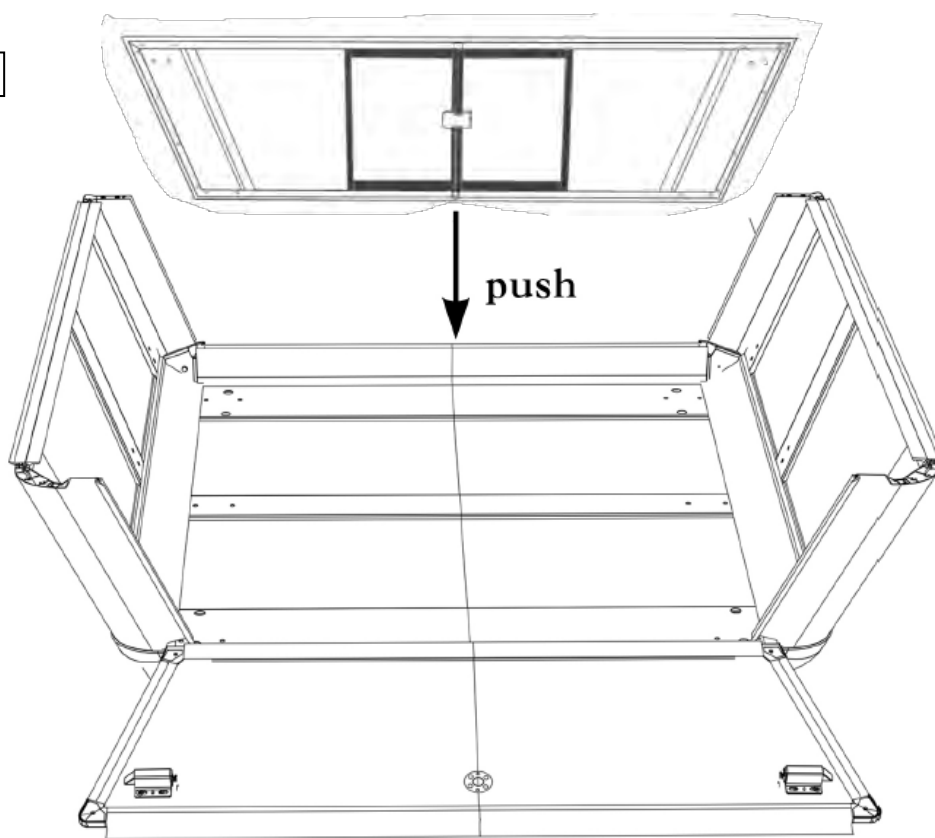
6. Repeat step 5 for the right panel. (Fig. 5)

FIGURE 5



7. Next, push the front panel into the roof panel. (Fig. 6)

FIGURE 6

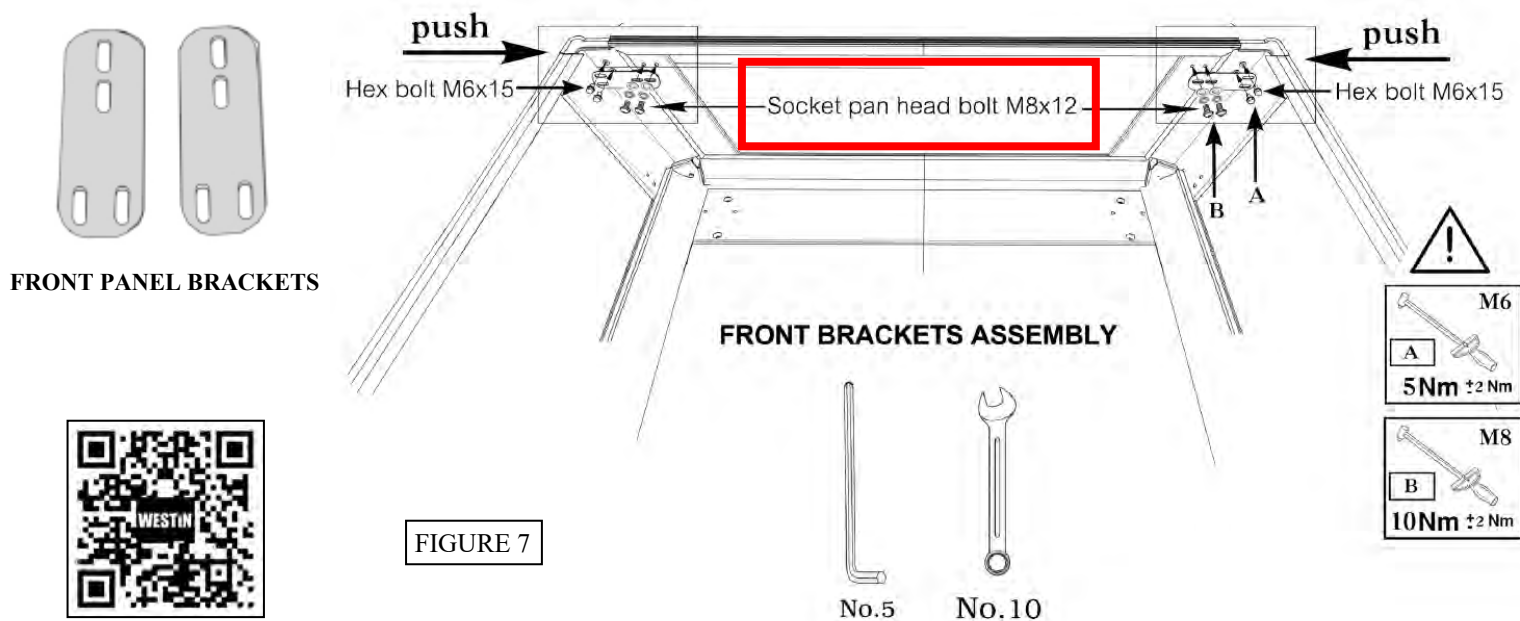


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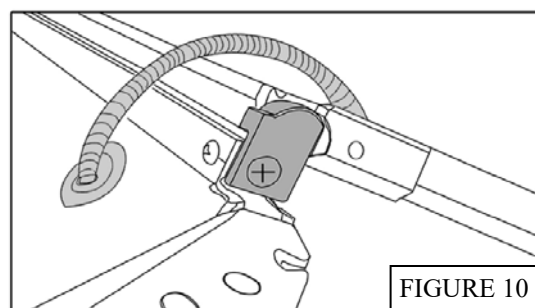
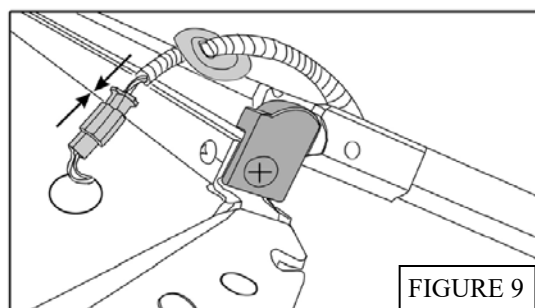
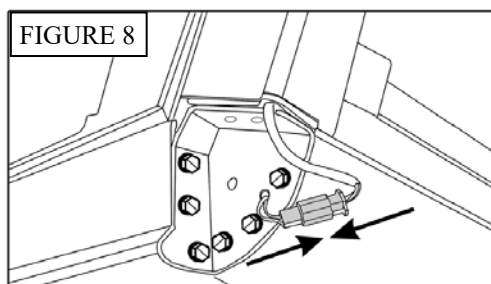
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8. Push the left panel inwards towards the front panel. Using a front panel bracket, two (2) M8 x 12 socket pan head bolts, two (2) M8 split washers, two (2) M8 flat washers, two (2) M6 x 15 hex bolts, two (2) M6 split washers, and two (2) M6 flat washers provided in **Parts Kit #1 (Item 6)**, fasten the left panel to the front panel. Use a 5mm Allen Key and 10mm socket to initially tighten the bolts, then use a torque wrench to torque the M8 bolts to **10Nm (8ft-lbs)** and the M6 bolts to **5Nm (4 ft-lbs)**. Repeat this process to fasten the right panel to the front panel. (**Fig. 7**)

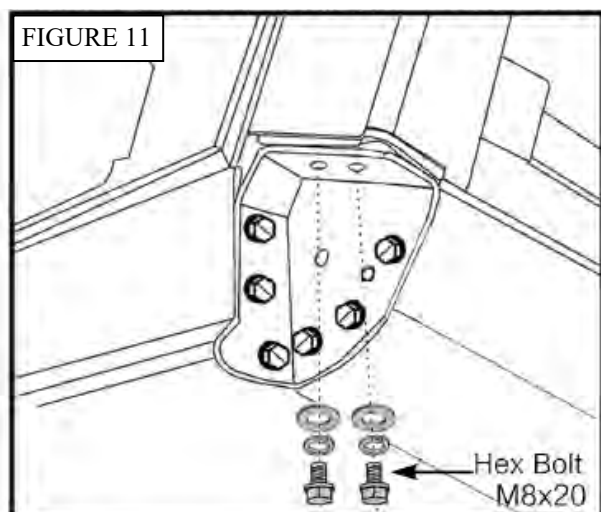
CAUTION: MAKE SURE TO USE THE M8 X 12 SOCKET PAN HEAD BOLTS FOR THE MOUNTING HOLES ON THE FRONT GLASS, THEY REQUIRE A 5MM ALLEN KEY TO FASTEN. DO NOT USE THE M8 X 20 HEX BOLTS AS THIS MAY DAMAGE THE FRONT GLASS PANEL.



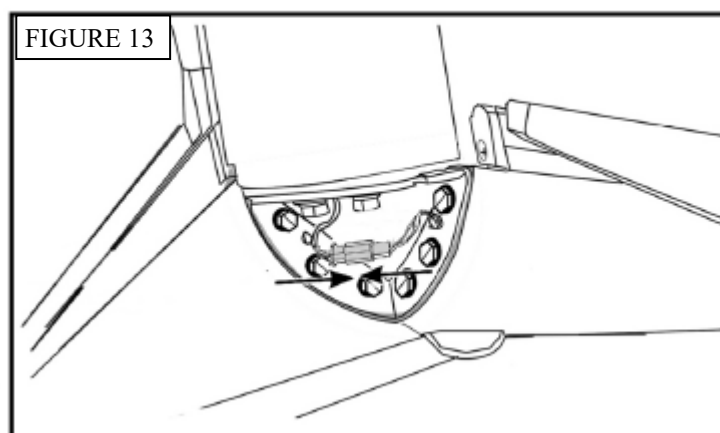
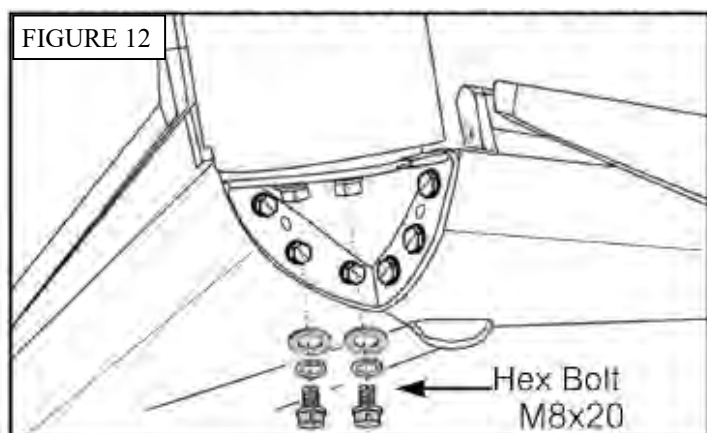
9. Connect the front wire found at the corner of the roof panel and front panel (**Fig. 8**). Then connect the rear wire (**Fig. 9**) and tuck the connectors into the roof panel. (**Fig. 10**)



10. Next, use two (2) M8 x 20 Grade 8.8 hex bolts, two (2) M8 split washers, and two (2) M8 flat washers to fasten the front panel to the roof panel at one corner. Use a 13mm socket to initially tighten the bolts, then torque the bolts to **25Nm (19ft-lbs)**. Repeat this process for the other corner where the roof panel and front panel meet. (**Fig. 11**)

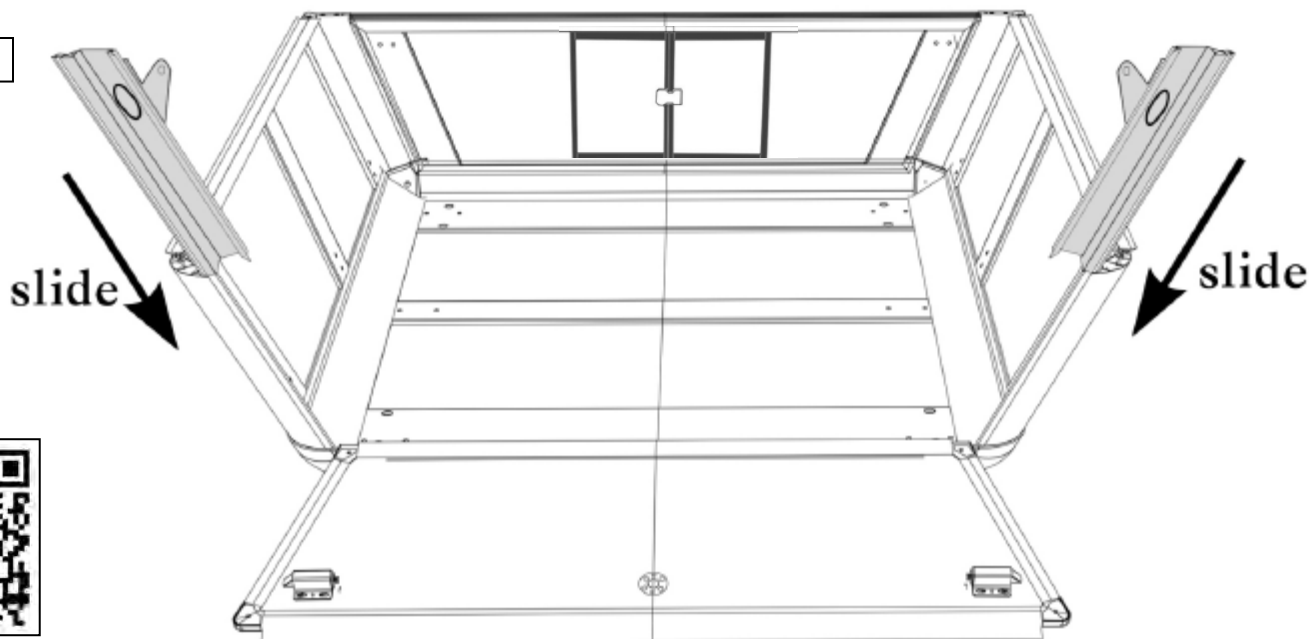


11. Repeat Step 10 for both corners where the roof panel and rear door meet. Use the same kind of hardware as in the previous step (**Fig. 12**). Connect the roof panel wire to the rear door connector as shown below. (**Fig. 13**)



12. Slide the water channels downwards on the left and rear panels toward the rear door (**Fig. 14**). The water channels are found in **Parts Kit #3 (Item 8)**.

FIGURE 14



13. An inside corner of the rear door and side panel is shown below. Using the contents of **Parts Kit #3 (Item 8)** and a 12mm socket, fasten two (2) M8 x 20 hex bolts through the water channel bracket and into the side panel, torque to **10Nm (8ft-lbs)**. (**Fig. 15**) Next, use two (2) #6 x 3/8 pan head tapping screws and fasten the water channels to the side panels. (**Fig. 16**) Repeat this step for the other side of the truck cap.

FIGURE 15

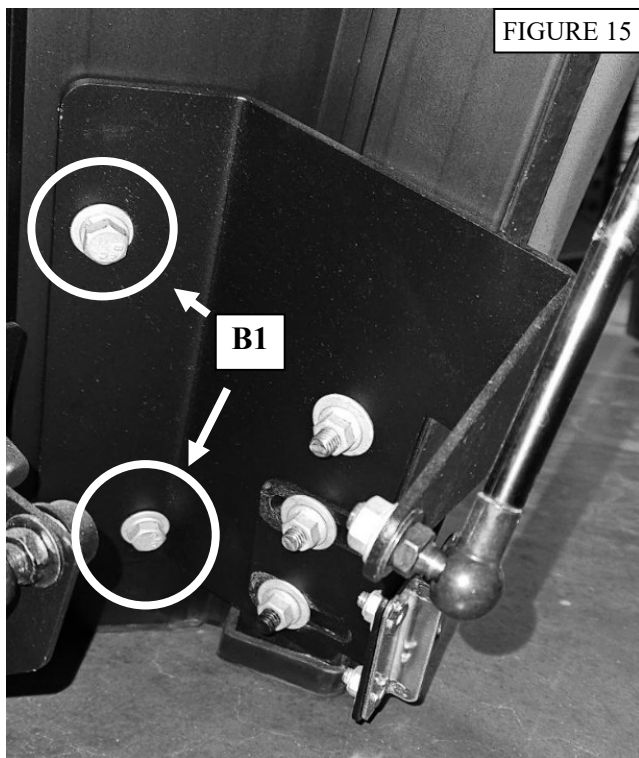
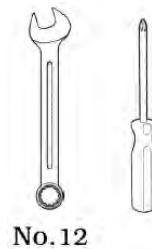


FIGURE 16



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14. Torque the nuts on the door latch to **5Nm (4ft-lbs)** using a 10mm socket. There are slots on the door latch bracket that allow for the latch to be adjusted so the rear door can close correctly. (**Fig 17**) Once the rear door is shut and the door latch is adjusted properly, torque the bolts in **Fig. 18** to **10Nm (8ft-lbs)**.

SLOTS FOR ADJUSTABILITY

FIGURE 17

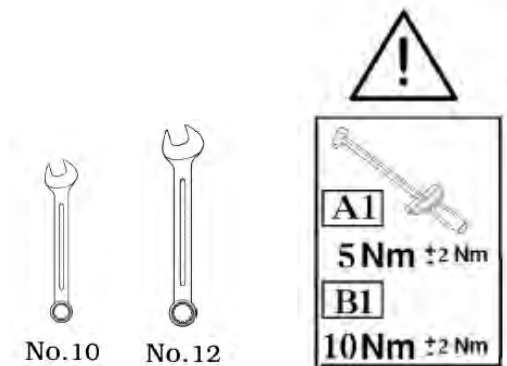
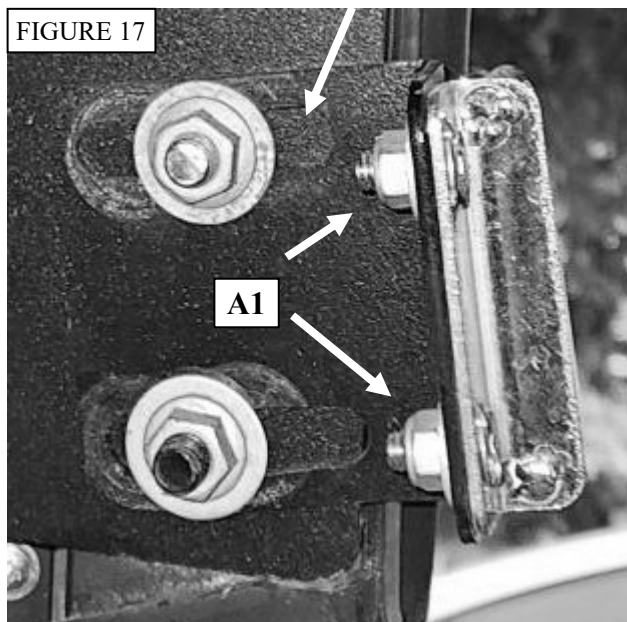
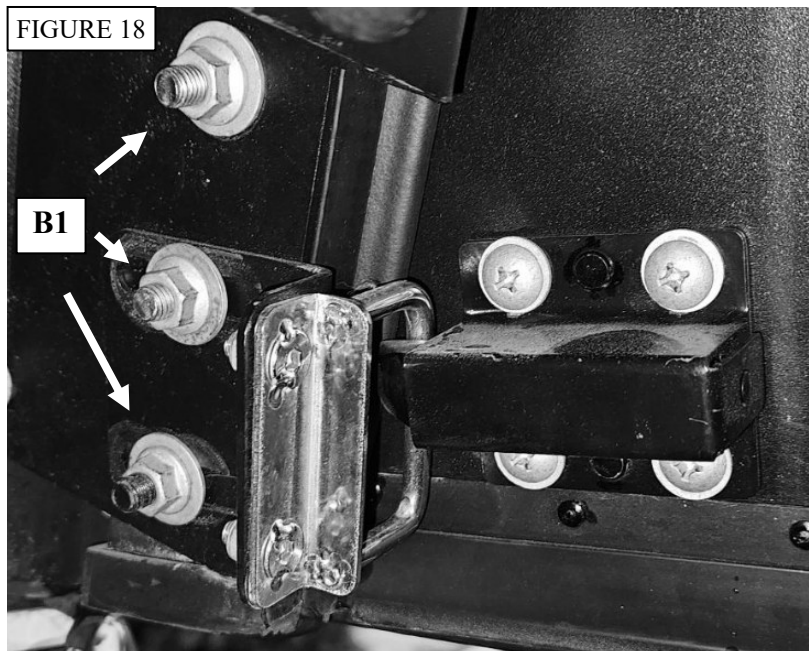


FIGURE 18



15. Next, clean the surface of the perimeter of the corner where the roof panel and left panel meet. Locate the silicone corner covers in **Parts Kit #1 (Item 6)** and remove the tape over the adhesive on the covers. While tucking the wires inwards into the roof panel, firmly press the cover over the corner (**Fig. 19**). Fasten the corner cover to the truck cap assembly using one (1) M6 x 10 pan head bolt and one (1) M6 flat washer also found in the same parts kit. The hardware fastens from the inside of the truck cap assembly. Repeat this step for installing the corner cover on the other side where the right panel meets the roof panel. (**Fig. 20**)

FIGURE 19

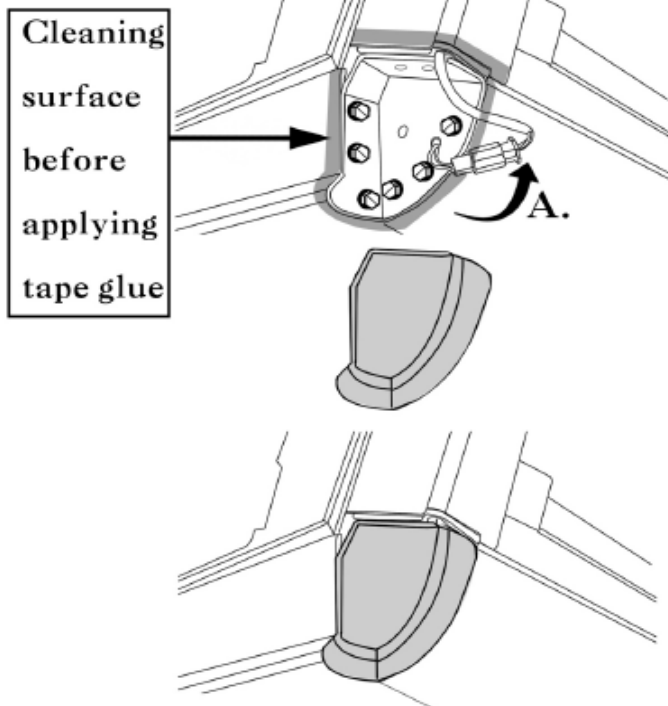
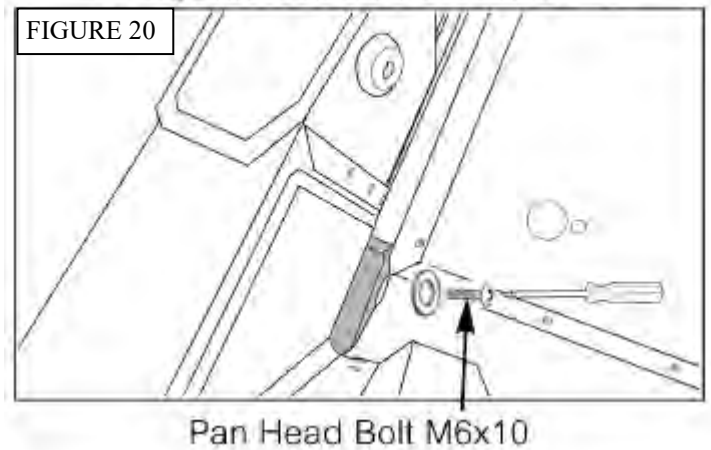
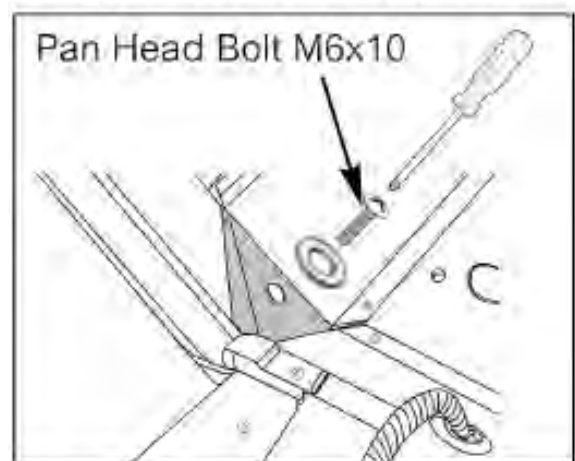
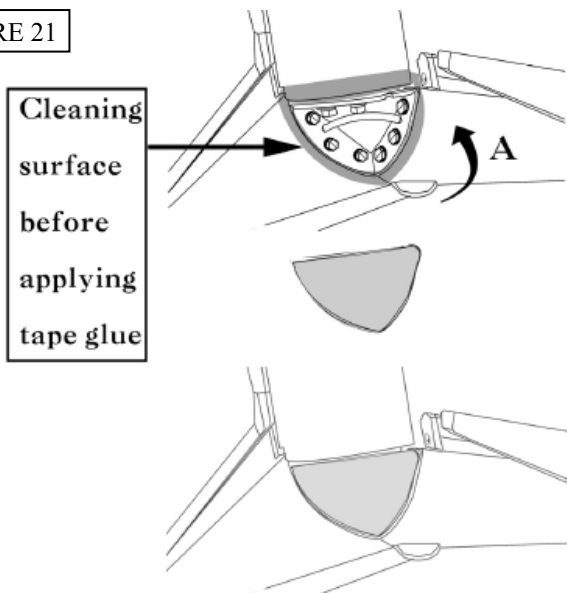


FIGURE 20

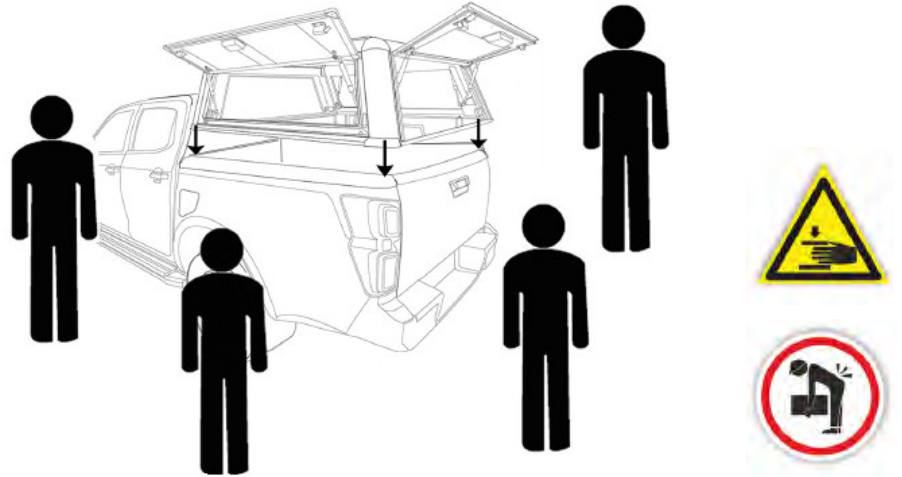
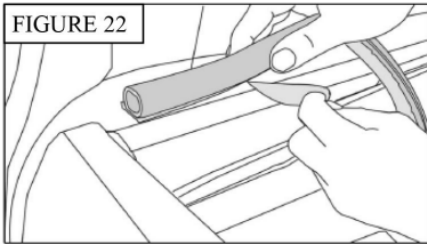


16. Repeat the process in Step 14 to install the corner covers on the rear corners of the truck cap assembly. (**Fig. 21**)

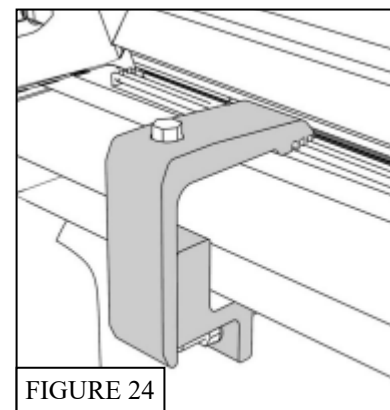
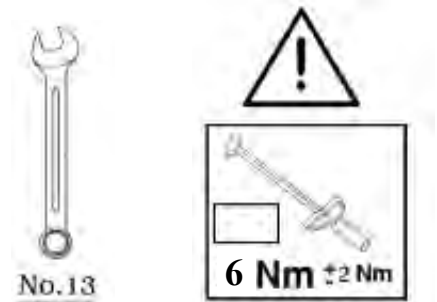
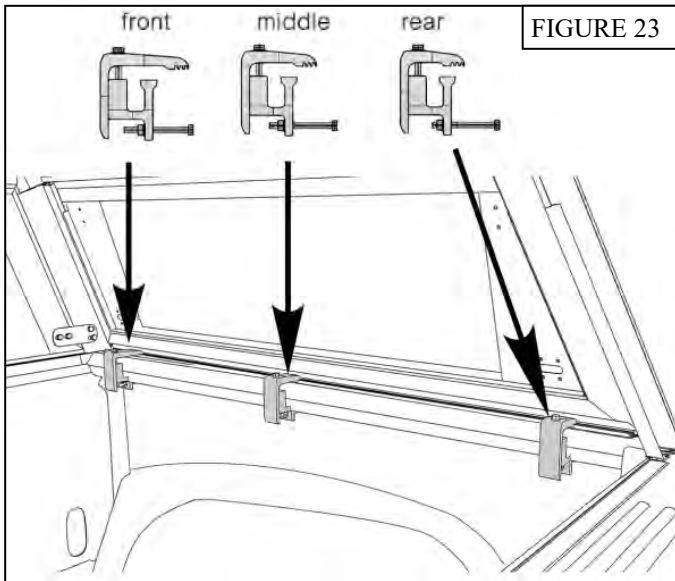
FIGURE 21



17. Remove adhesive on the included foam spacer (**Item 9**) and install it onto the front edge of the bed. Open the left, right, and rear panels before placing the truck cap onto the truck bed. A minimum of four people are recommended for this installation. Make sure to avoid dragging the truck cap across the truck bed rails. Handle with caution to avoid injury to hands and damage to the truck cap assembly and vehicle. (**Fig. 22**)



18. Locate the contents found in **Parts Kit #2 (Item 7)** and correctly place each labeled clamp on both bed rails (**Fig. 23**). Use a 13mm socket to initially tighten the clamps, then torque to **6Nm (4.4ft-lbs)**. The tightened clamp should resemble (**Fig. 24**).

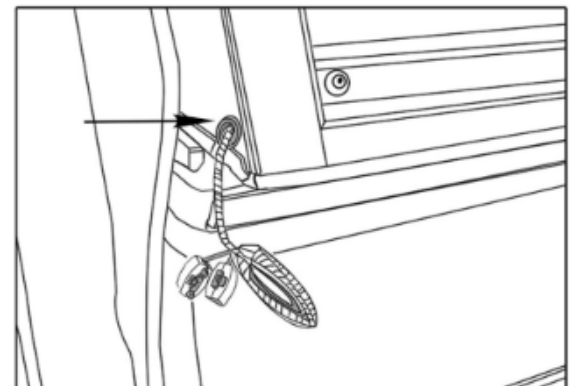
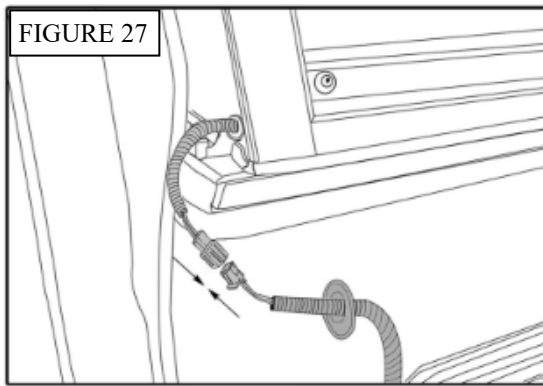
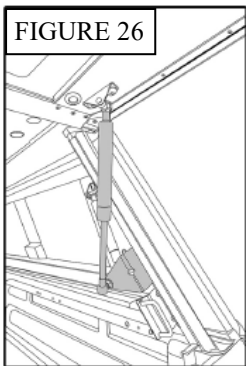


19. Once the truck cap is placed on the vehicle, adjustment may be required to allow for the truck cap to sit well onto the bed rails. If adjustment is needed, loosen the front bracket and push the sides doors inward towards each other and make sure the gap (circled in Fig. 25) is closed. Tighten the front bracket as mentioned in Step 8.



20. Use the nuts already installed on the end of the gas studs to secure the studs to the rear door using a 12mm socket. (Fig. 26)

21. Plug the Lock/Unlock Harness (Item 11) into the wire coming from the driver side front corner of the truck cap (Fig. 27). Tuck the connector into the truck cap using the provided rubber grommet.



EXP Truck Cap Lock/Unlock Wiring Instructions

22. To enable the truck cap's lock/unlock feature, first disconnect the vehicle's battery. Use a T-20 Torx Bit to remove the 8 screws that secure the tailgate cover (**Fig 28**). The cover will need to be pulled upward on both sides to be removed (**Fig 29**).
23. Connect the Lock/Unlock Harness (Item 11) to the connector coming from the front driver side of the truck cap. Route the harness behind the cab and underneath the truck bed towards the tailgate. Use the provided cable ties to neatly secure the lock/unlock harness to the vehicle, making sure to avoid any moving components.
24. The harness will need to be routed into the hole at the bottom of the tailgate (**Fig 30**).
25. Locate and unplug the lock actuator connector within the tailgate (**Fig 31**).



FIGURE 28

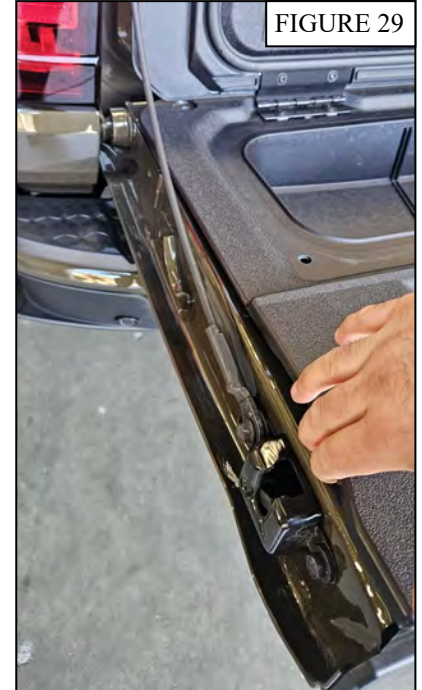


FIGURE 29



FIGURE 30



FIGURE 31

EXP Truck Cap Lock/Unlock Wiring Instructions

26. Splice the red truck cap wire to the gray/purple wire, and the black truck cap wire to the gray/black wire (**Fig 32**).
27. Reconnect the vehicle's battery and test that the truck cap locks and unlocks with the vehicle's doors. Do not fully tighten the battery's connectors. Secure any loose wires together, use the provided cable ties.
28. Finally, put the tailgate cover back on.

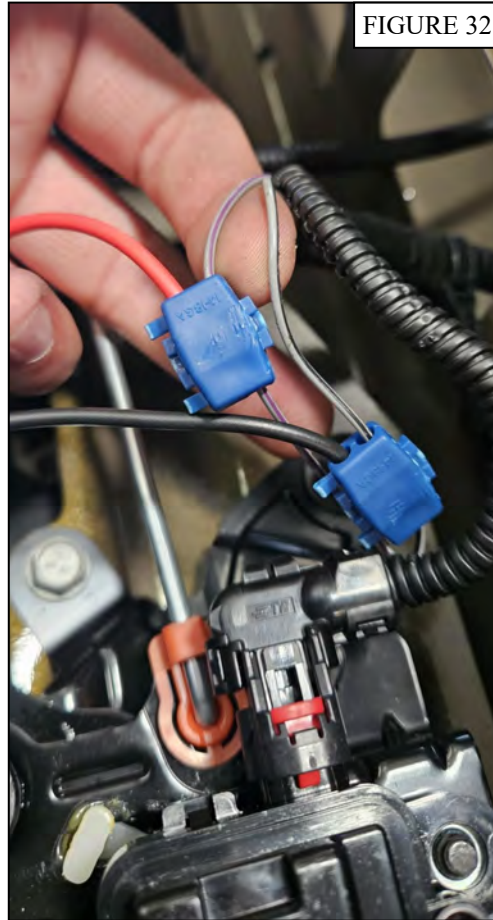


FIGURE 32

EXP Truck Cap Brake Light Wiring Instructions

29. Disconnect the vehicle's battery and use a T-20 Torx Bit to remove the two screws securing the passenger side tail light (**Fig 33**).
30. Remove the plastic cover shown in (**Fig 34**) and route the wires from the rear passenger side of the truck cap through the hole. The wires will need to be routed to the tail light; fishing wire can be used to help in this process.
31. Locate the lowermost light socket of the tail light and splice the truck cap's red wire to the tail light's blue/white wire. Then, splice the truck cap's yellow wire to the light's black wire (**Fig 35**).
32. Reconnect the vehicle's battery and test that the truck cap's brake light turns on with the vehicle's brake lights.
33. Fully tighten the battery's connectors and reinstall the vehicle tail light.

Note: Depending on vehicle model, the tail light wiring configuration may cause the truck cap's brake light to blink with the vehicle's right turn signal. Also, different vehicle trims may have different color wires located at the light socket.



FIGURE 33

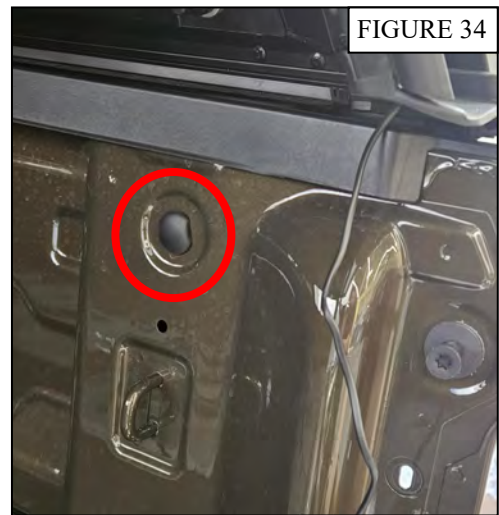


FIGURE 34



FIGURE 35

EXP Truck Cap LED Interior Light

34. Plug the provided interior light wiring harness (**Item 10**) at the connector coming from the rear driver side of the truck cap (**Fig 36**). Tuck the harness into the truck cap using the rubber grommet (**Fig 37**). The other end of the harness will need to go to the vehicle's battery. Route the harness underneath the vehicle, make sure to avoid any moving parts.
35. Use the provided cable ties for the securing process of the interior light wiring harness to the vehicle.

The installation of your Westin Automotive EXP Truck Cap is complete!

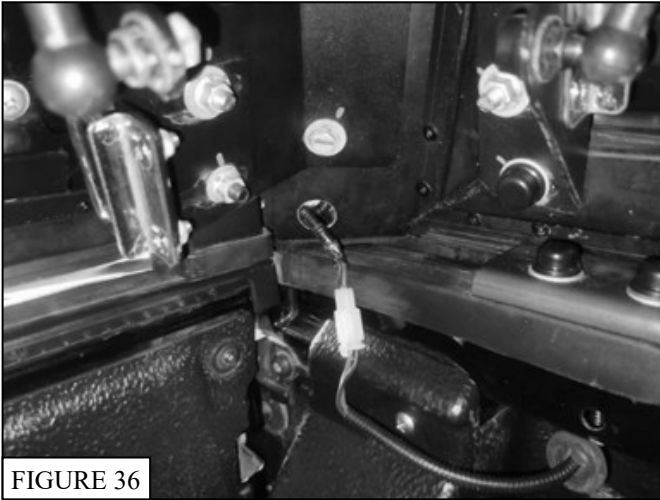


FIGURE 36

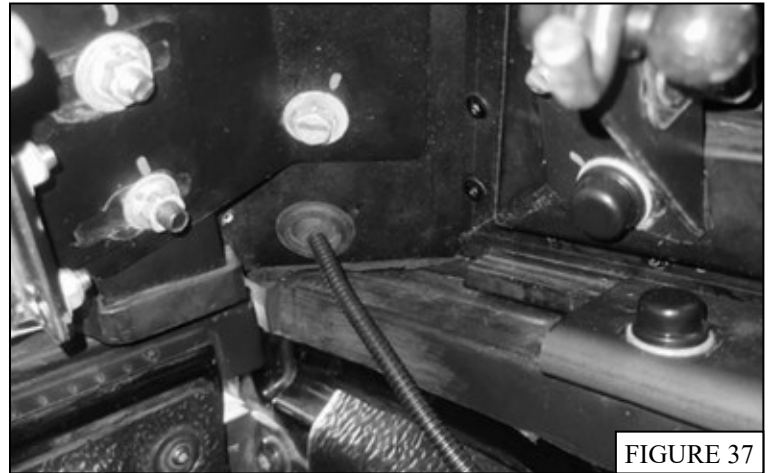


FIGURE 37



FIGURE 38



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.**

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