

REAR CANVAS DOOR KIT 900 XP RANGER CREW P/N 2879899

Application

RANGER 900 XP CREW

Before you begin, read these instructions twice and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

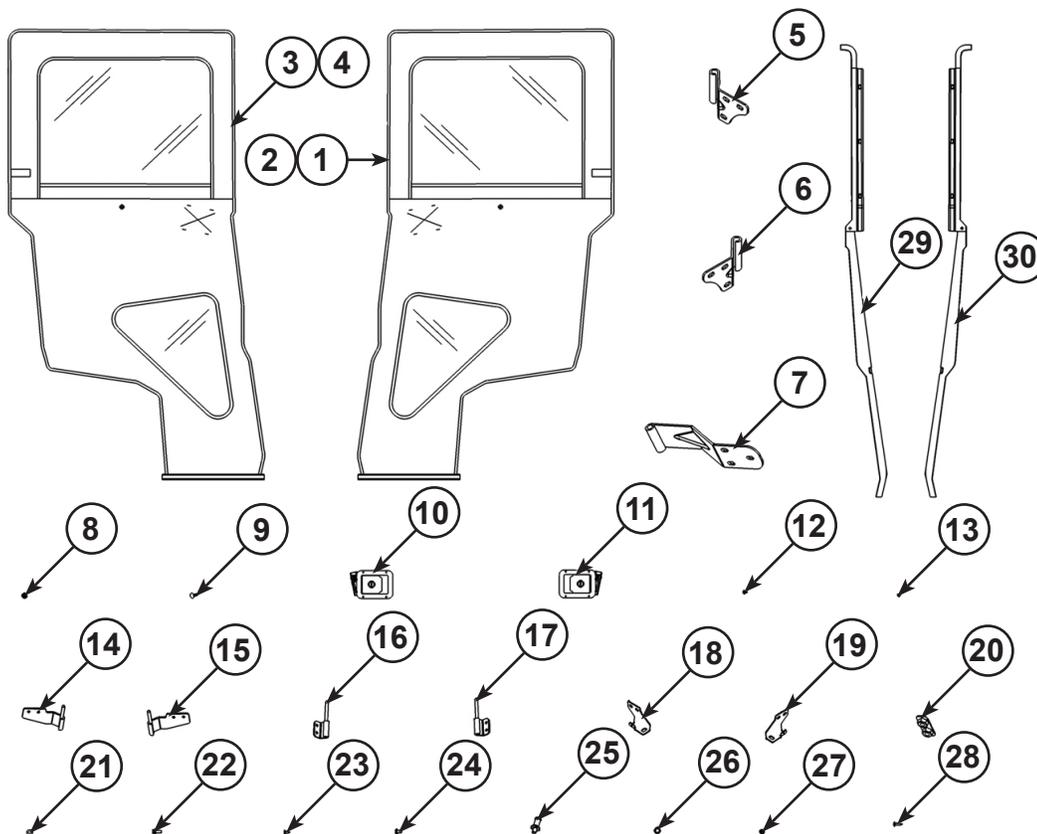
IMPORTANT: This kit requires purchase and concurrent installation with Front Door Kit (PN 2878853 - Canvas Door).

IMPORTANT: Please discard the instructions that are included in either of the Front Door Kits. For installing doors on the Ranger Crew, use only the instructions (PN 9924747) included in the Rear Door Kit.



Rear Door Kit (PN 2879899)

NOTE: If you are ordering hinges for your rear doors, order 2205609 and/or 2204805.



IMPORTANT: Seal kits 2879657 and 2879385 are available for purchase separately and can improve the sealing of your cab.

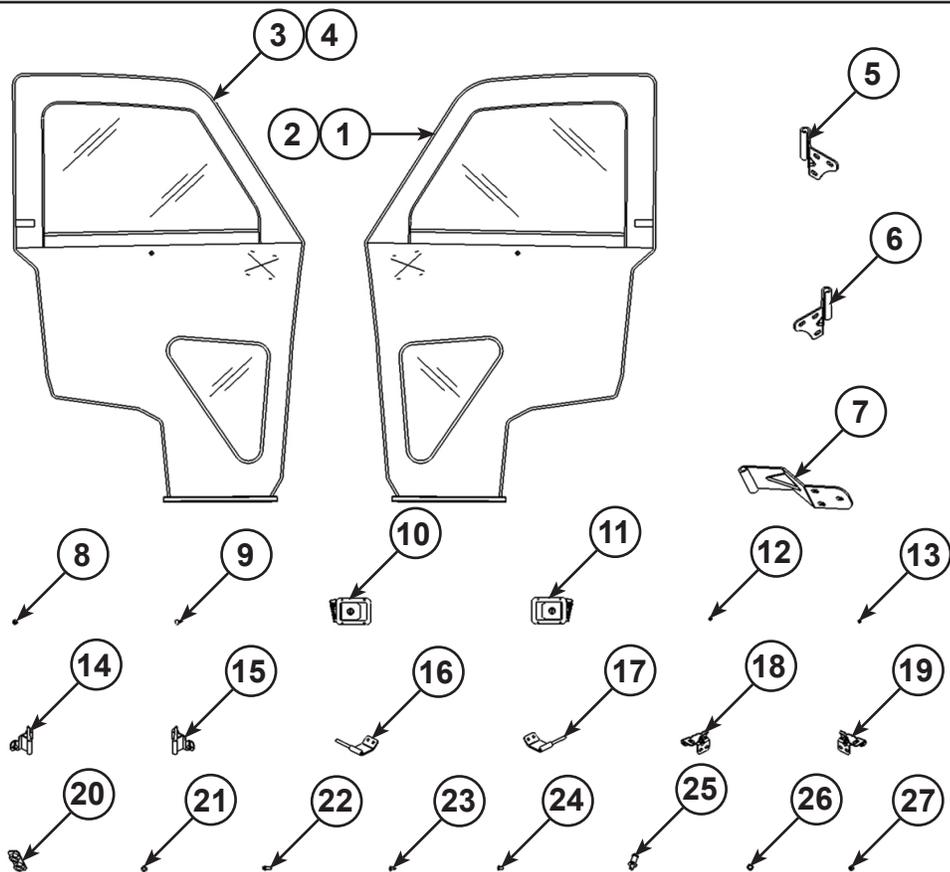
IMPORTANT: The hinges included with the front door kit are removed and used to mount the rear doors on the Crew vehicle. The hinges included in the Crew rear door kit are used to install the front doors (for proper use, see illustration showing parts included in each kit).

<u>Ref</u>	<u>Qty</u>	<u>Part Description</u>	<u>Part Number</u>
1	1	LH Door Frame	2205586
2	1	RH Door Frame	2205587
3	1	LH Door Skin	2205588
4	1	RH Door Skin	2205589
5	1	Upper Hinge, RT	-
6	1	Upper Hinge, LT	-
7	2	Lower Hinge	-
8	12	Nut, 1/4-20 Kepnut	-
9	12	Carriage Bolt 1/4-20 X 3/4"	-
10	1	Latch, Locking Paddle RT with Key	-
11	1	Latch, Locking Paddle LT with Key	-
12	8	Screw, #10-32 X 3/8" Truss Head CR	-
13	8	Nut, #10-32 Hex Lock	-
14	1	Hinge Weld Low RT	1018772
15	1	Hinge Weld Low LT	1018773
16	1	Hinge Weld Up RT	1018774
17	1	Hinge Weld Up LT	1018775
18	1	Striker Bracket RT	5257326
19	1	Striker Bracket LT	5257325
20	2	Hinge Plate Titan	5256140
21	4	Flat Washer 10.25 X 19.00 X 2.00	-
22	10	Screw, M8-1.25 X 20 HXFL	7517838
23	2	Screw, M6-1.0 X 16 TR/TX	-
24	4	Screw, M8-1.25 X 15 TXHD	-
25	2	Striker pin	7579358
26	2	Nut, M12-1.75 Hex 8 Z Nyloc	7540000
27	2	Nut, M6-1.0 Flange Nyloc, Olive-D	7547339
28	4	Screw, M6-1.0 X 25 TR/TX	7519650
29	1	Front Surround, Rear Door, LH	5450559
30	1	Front Surround, Rear Door, RH	5450560
31	2	Rubber Strap, Door, Limit, TTN	5450947
32	2	Spacer-M6, Aluminum, Door, Retainer, TTN	5139193
	1	Instructions	9924747

Ref	Service Kit #									
	2205586	2205587	2205588	2205589	2205590	2205591	2205607	2205608	2205686	2205280
1	1x									
2		1x								
3			1x							
4				1x						
5						1x				
6						1x				
7						2x				
8					12x					
9					12x					
10								1x		
11							1x			
12							4x	4x		
13							4x	4x		
14					1x					
15					1x					
16					1x					
17					1x					
18								1x		
19							1x			
20					2x					
21										
22					10x					
23									2x	
24							2x	2x		
25							1x	1x		
26							1x	1x		
27										2x
28									2x	2x
29									1x	
30									1x	
31										2x
32										2x

Note: 2205590 and 2205591 kits are for front door hinges when used on a crew vehicle.

Front Door Kit (PN 2878853)



NOTE: If you are ordering replacement hinges for your front doors, order 2205590 and/or 2205591.

<u>Ref</u>	<u>Qty</u>	<u>Part Description</u>	<u>Part Number</u>
1	1	LH Door Frame	2634835
2	1	LH Door Skin	2634836
3	1	RH Door Frame	2205260
4	1	RH Door Skin	2205261
5	1	Upper Hinge, RT	-
6	1	Upper Hinge, LT	-
7	2	Lower Hinge	-
8	12	Nut, 1/4-20 Kepnut	-
9	12	Carriage Bolt 1/4-20 X 3/4"	-
10	1	Latch, Locking Paddle RT with Key	-
11	1	Latch, Locking Paddle LT with Key	-
12	8	Screw, #10-32 X 3/8" Truss Head CR	-
13	8	Nut, #10-32 Hex Lock	-
14	1	Hinge Weld Low RT	1018772
15	1	Hinge Weld Low LT	1018773
16	1	Hinge Weld Up RT	1018774
17	1	Hinge Weld Up LT	1018775
18	1	Striker Bracket RT	5256944
19	1	Striker Bracket LT	5256943
20	2	Hinge Plate Titan	5256140
21	4	Flat Washer 10.25 X 19.00 X 2.00	-

<u>Ref</u>	<u>Qty</u>	<u>Part Description</u>	<u>Part Number</u>
22	10	Screw, M8-1.25 X 20 HXFL	7517838
23	2	Screw, M6-1.0 X 16 TR/TX	-
24	4	Screw, M8-1.25 X 15 TXHD	-
25	2	Striker Pin	7519358
26	2	Nut, M12-1.75 Hex 8 Z Nyloc	7540000
27	2	Nut, M6-1.0 Flange Nyloc, Olive-D	7547339
28	4	Screw, M6-1.0 X 25 TR/TX	7519650
29	2	Rubber Strap, Door, Limit, TTN	5450947
30	2	M6 Spacer, Aluminum, Door, Retainer, TTN	5139193
	1	Instructions	9924747

Ref	Service Kit								
	2205260	2205261	2634835	2634836	2204806	2204807	2205609	2204805	2205280
1			1x						
2				1x					
3	1x								
4		1x							
5								1x	
6								1x	
7								2x	
8							12x		
9							12x		
10						1x			
11					1x				
12					4x	4x			
13					4x	4x			
14							1x		
15							1x		
16							1x		
17							1x		
18						1x			
19					1x				
20							2x		
21							4x		
22							10x		
23							2x		
24					2X	2X			
25					1x	1x			
26					1x	1x			
27									2X
28									2X
29									2X
30									2X

Tools Required:

Drill

Utility Knife or Air Saw

Soft Faced Hammer

Torx Bits

Phillips Screwdrivers

Allen Wrenches

Flathead Screwdriver

Metric Wrenches

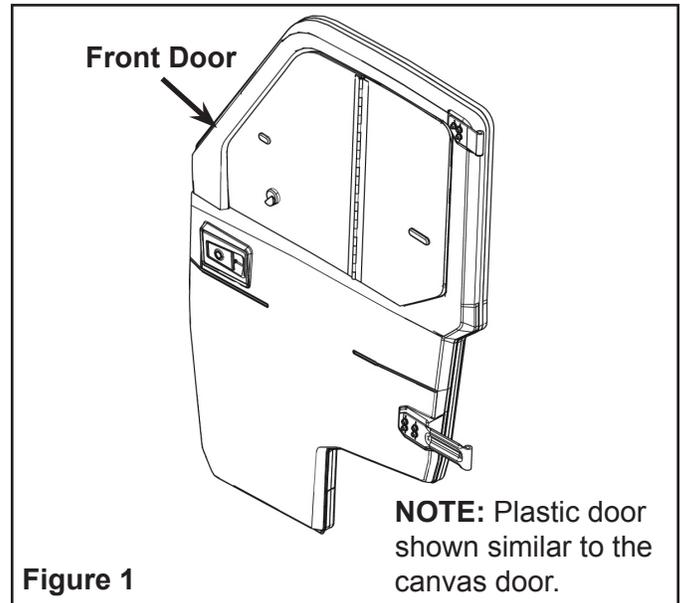
IMPORTANT: For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence as shown on the attached instructions. Please wear safety glasses while performing the steps in the following instructions.

IMPORTANT: This instruction is only applicable when installing both kits PN 2878853 (Front Door) and PN 2879899 (Rear Door) at a time. Do not use instructions included in Front Door Kit (PN 2878853). This instruction includes information for installing both Front and Rear Door Kits.

INSTALLATION INSTRUCTIONS (Front Door Kit 2878853):

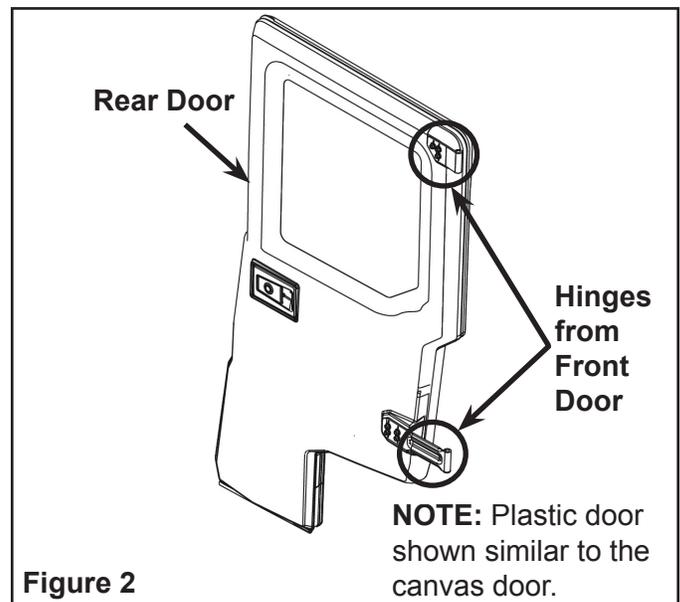
1. Place the vehicle in "PARK". Turn the key to the "OFF" position and remove from the vehicle. Lift vehicle box.
2. Place front and rear driver's door on flat, clean surface as they will be installed on the vehicle. Remove the hinges from the front door. Figure 1.

IMPORTANT: Retain the hinges for the rear door installation.



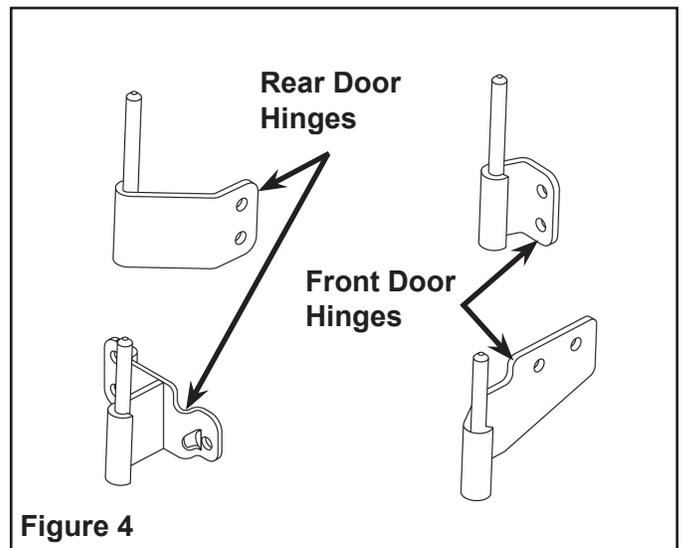
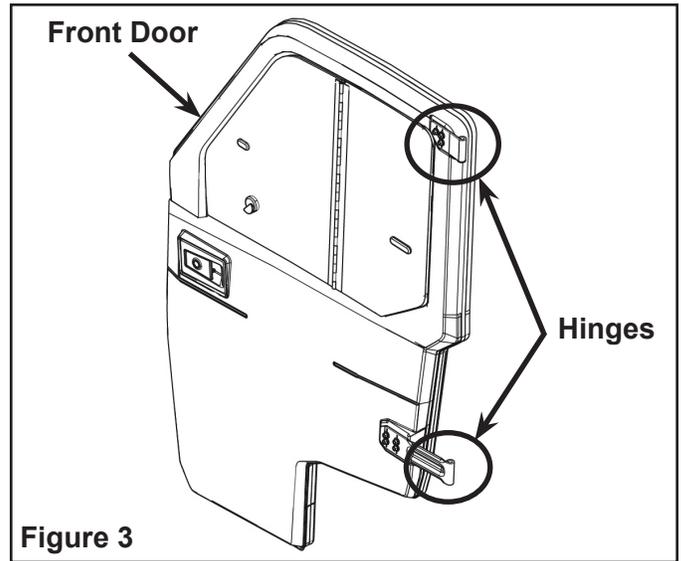
3. Reinstall the hinges removed from the front door on the rear door in same orientation. Figure 2.

NOTE: The front door hinges are installed on the rear door.



4. Install the hinges from the rear door kit on the front door. Loosely tighten on the door for adjustments later. Figure 3 and Figure 4.

NOTE: These hinges are very similar to hinges removed in step 2 (front door hinges) but are 1/2" shorter than removed hinges. The short hinge will be installed on front door and long hinge installed on rear door.



5. Repeat steps 2 through 4 for passenger side doors.

6. Remove all the door nets. Retain all B and C-pillar fasteners for reinstallation. Retain fasteners removed from rear door net buckle as they will be re-used for mounting the door striker bracket. Do not re-use fasteners removed with front door net buckle; they are replaced with other fasteners in the front door hardware kit. Figure 5.

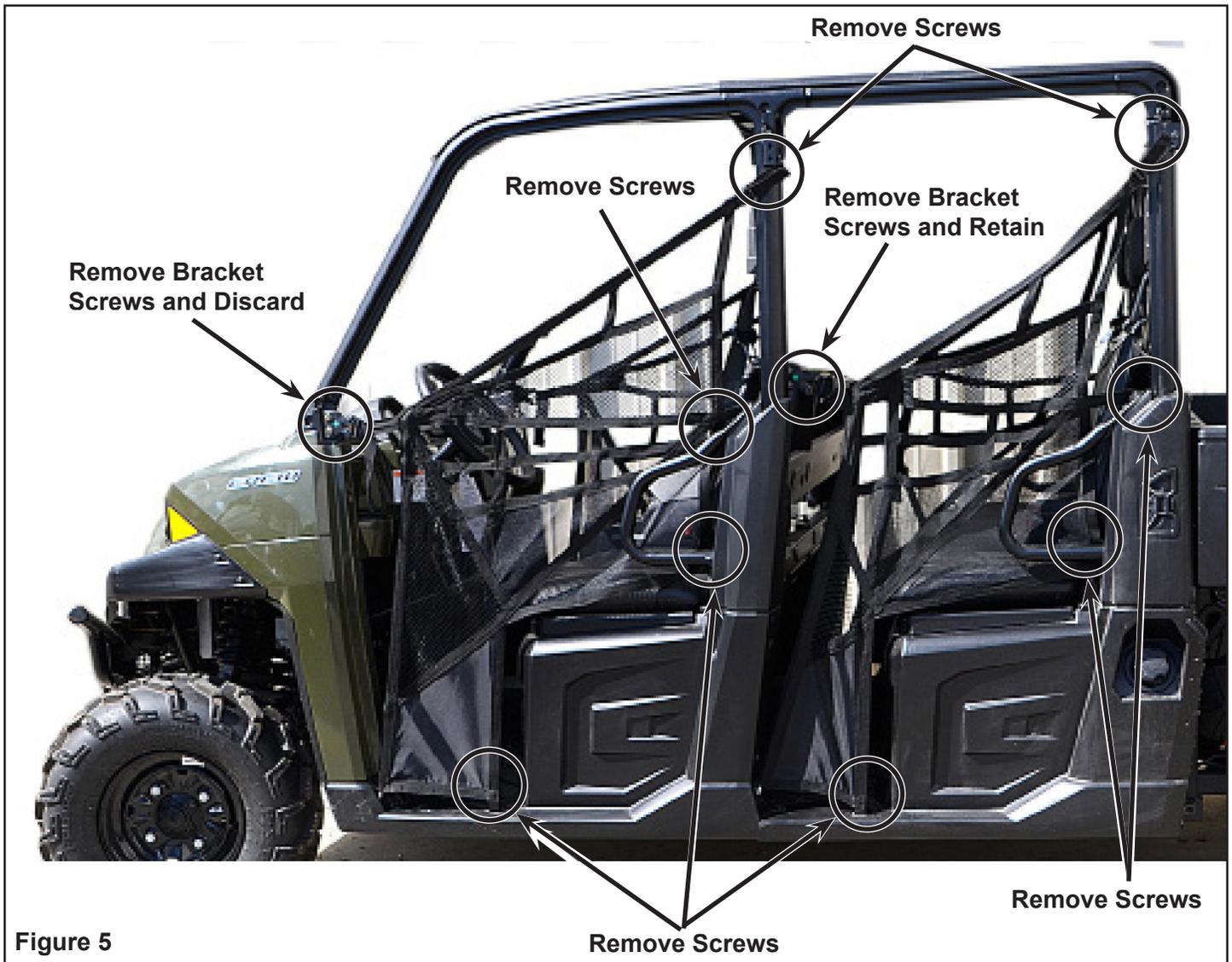
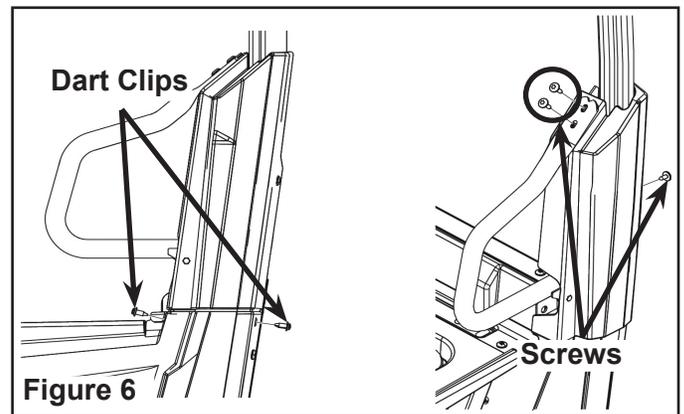


Figure 5

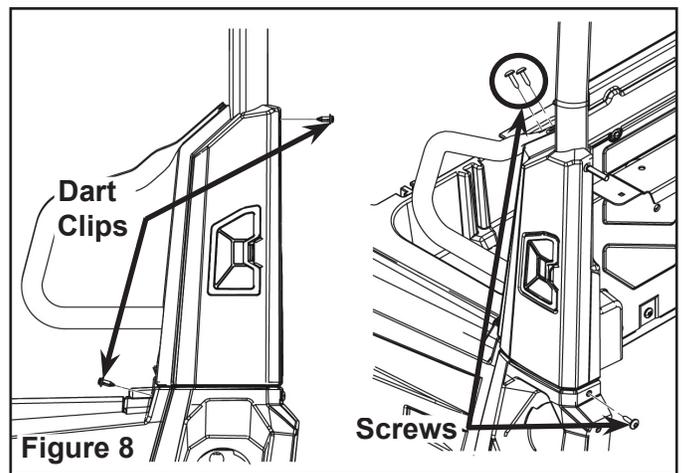
7. Remove B-pillar cover by removing two dart clips and three screws. Retain fasteners for reinstallation. Figure 6.



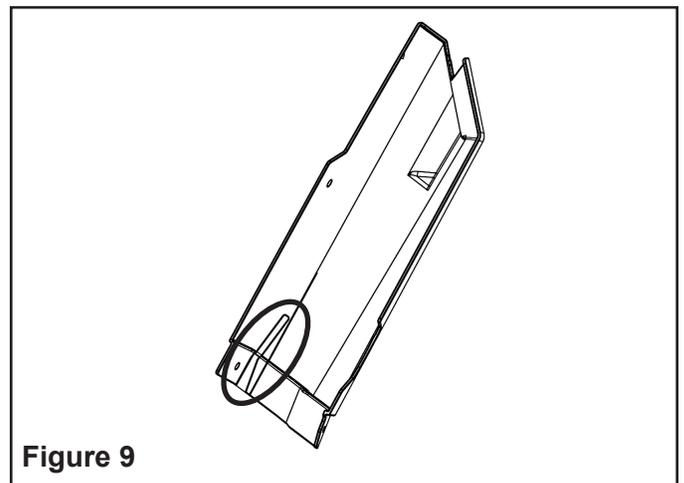
8. Starting on either side of vehicle, loosen the duct hose clamp located behind the rear seat using a flathead screwdriver. Slide the duct away from C-pillar cover. Figure 7.



9. Remove the C-pillar cover by removing two dart clips and three screws. Retain fasteners for reinstallation. Figure 8.



10. Cut a slot for the lower hinge bracket in the B-pillar cover with an utility knife or air saw. The area to be removed is marked on the back of the cover. Figure 9.



11. Cut a slot on the C-pillar cover for the lower hinge bracket using an utility knife or air saw. Figure 10.

NOTE: The area for slot is marked on back of the cover.

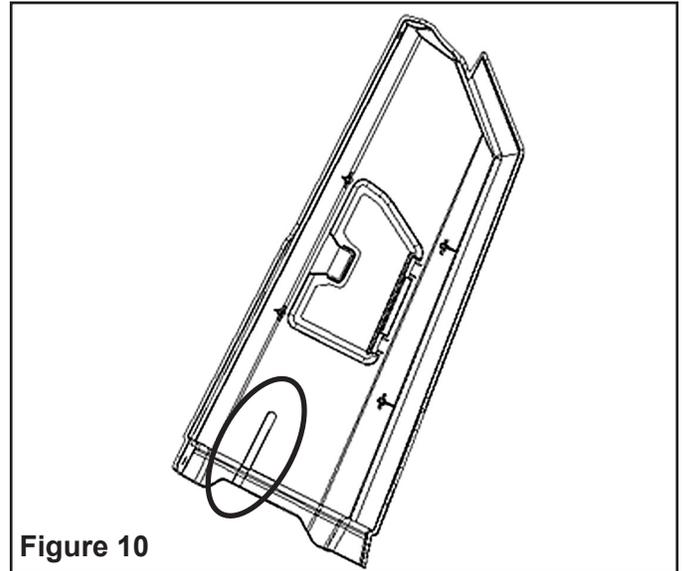


Figure 10

Installation of lower hinge brackets on B-pillar and C-pillar

12. Install the B-pillar lower hinge bracket (PN 1019784 RH; 1019783 LH) using two screws (PN 7517838) in the existing holes on the vehicle with a 13 mm socket wrench. Torque to 17 ft. lbs.(23 Nm). Figure 11.

IMPORTANT: These brackets are for the front door mounting, but are included in the rear door kit.

NOTE: For hinge top view orientation, refer Figure 11-A.

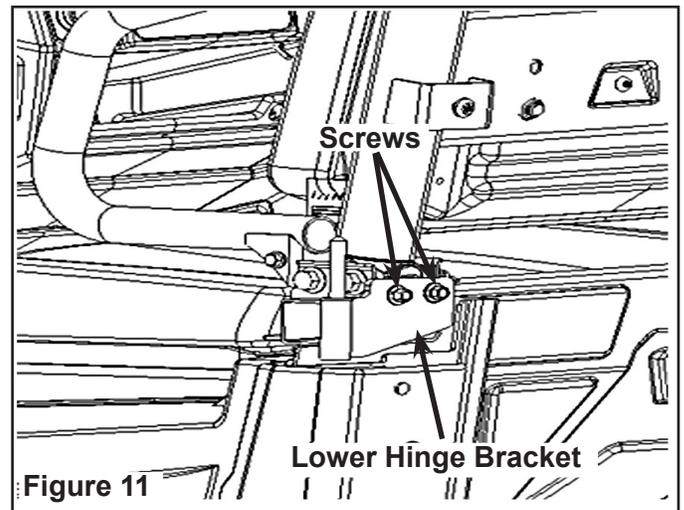


Figure 11

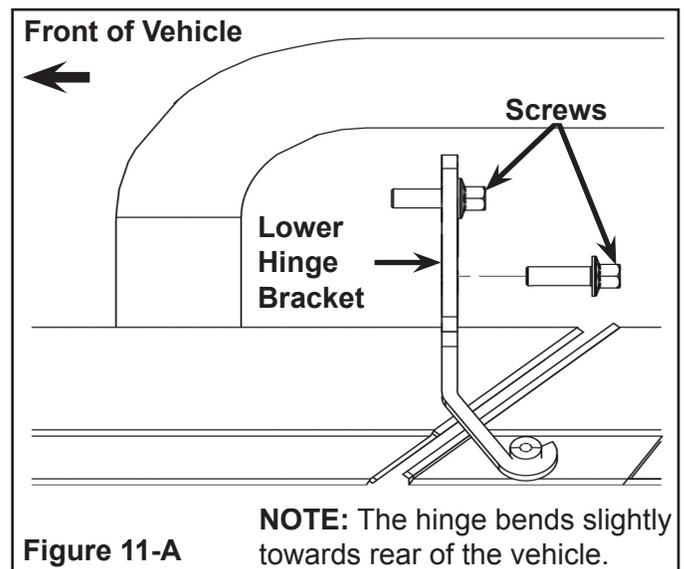


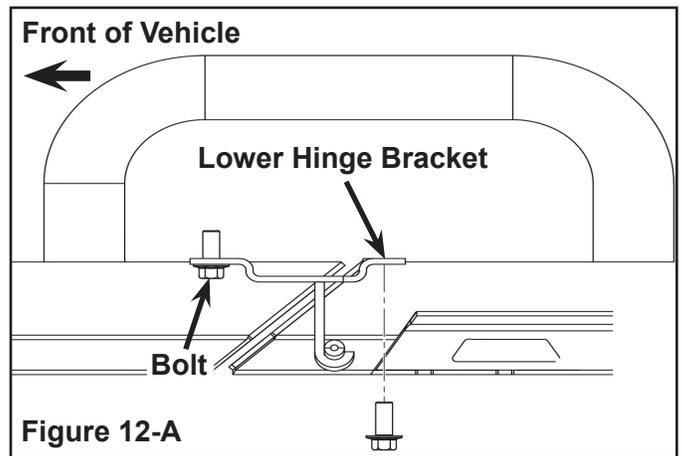
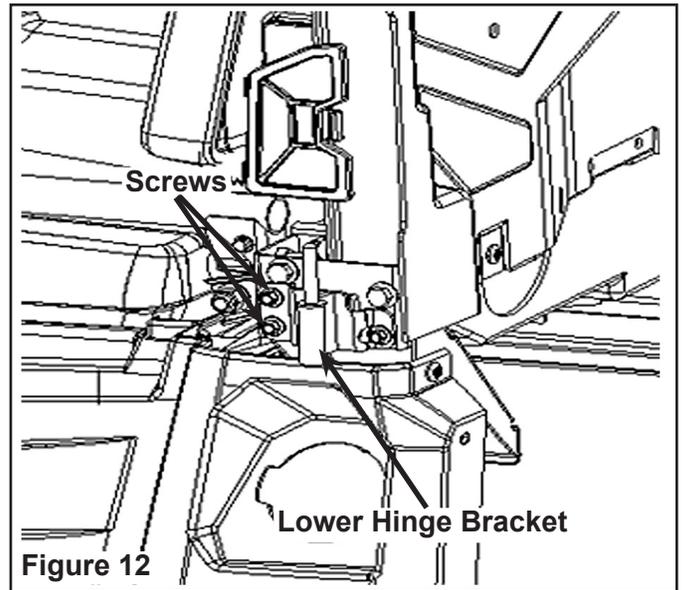
Figure 11-A

NOTE: The hinge bends slightly towards rear of the vehicle.

13. Install the C-pillar lower hinge bracket (PN 1018773 RH; 1018772 LH) using three screws (PN 7517838) in the existing holes on the vehicle with a 13 mm socket wrench. Torque to 17 ft. lbs. (23 Nm). Figure 12.

IMPORTANT: These brackets are for the rear door mounting, but are included in the front door kit.

NOTE: For hinge top view orientation, refer Figure 12-A.

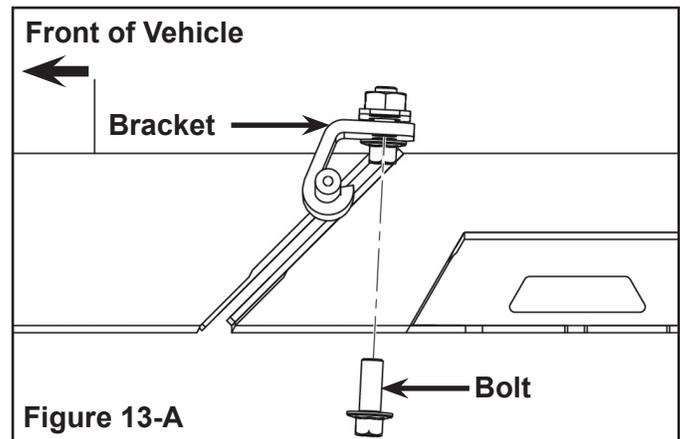
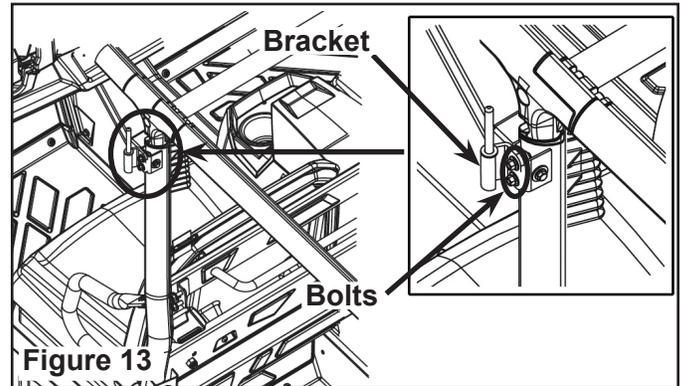


Installation of upper hinge brackets on B-pillar and C-pillar

14. Install the upper B-pillar hinge bracket (PN 1019786 RH; 1019785 LH) by putting two screws (PN 7517838) through bracket and threaded backing plate (PN 5256140). Loosely tighten to frame for adjustments later. Figure 13.

IMPORTANT: These brackets are for the front door mounting, but are included in the rear door kit.

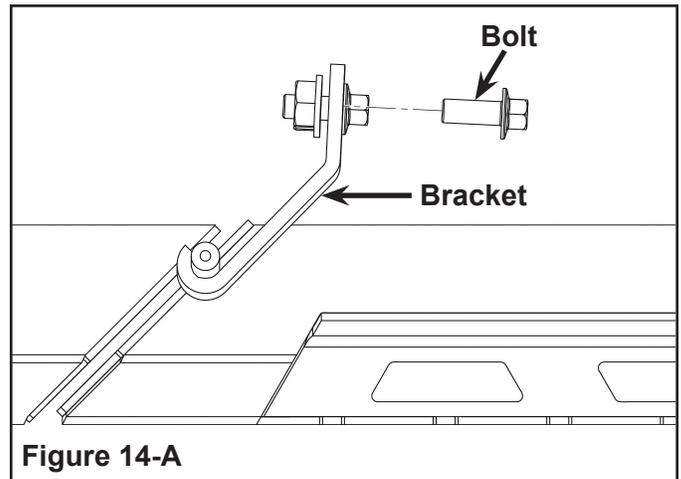
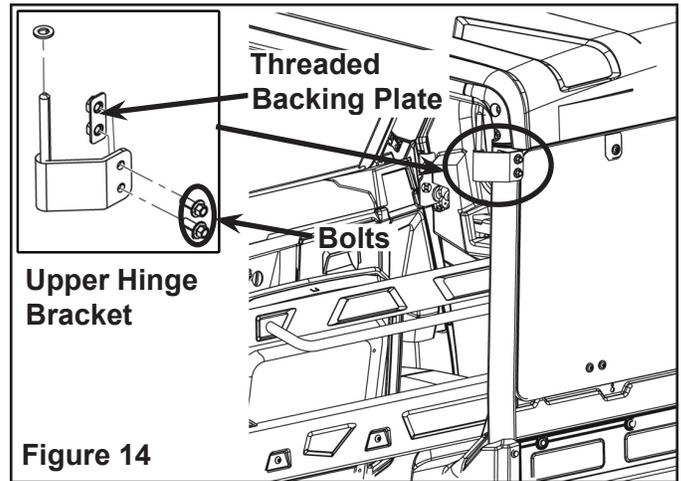
NOTE: For hinge top view orientation, refer Figure 13-A.



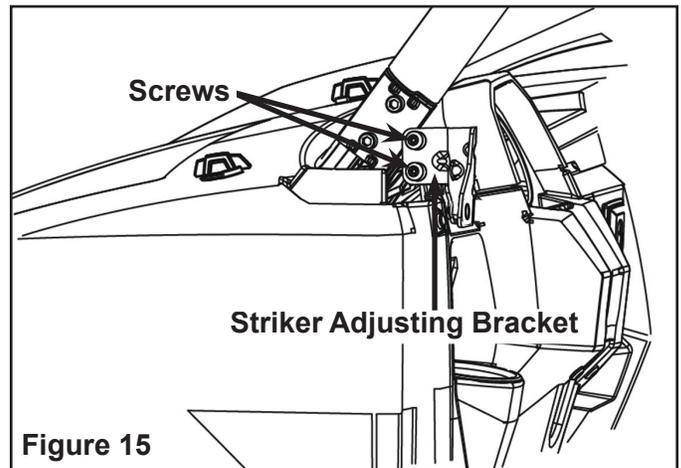
15. Install the C-pillar upper hinge bracket (PN 1018775 RH; 1018774 LH) by putting two bolts (PN 7517838) through the bracket and threaded backing plate (PN 5256140). Loosely tighten to frame for adjustments later. Figure 14.

IMPORTANT: These brackets are for the rear door mounting, but are included in the front door kit.

NOTE: For hinge top view orientation, refer Figure 14-A.



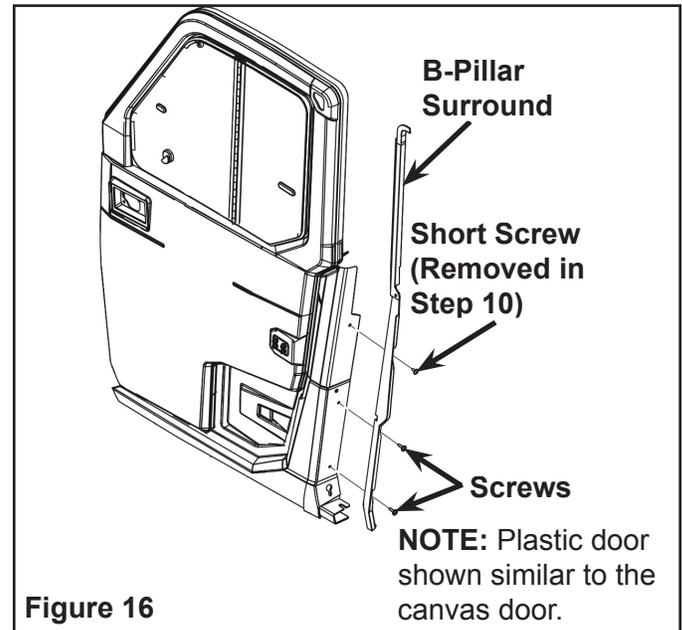
16. Mount the front door striker bracket (PN 5256944 RH; 5256943 LH) with two screws (PN 7519109) from front door hardware kit. Loosely tighten allowing for adjustment later. Figure 15.



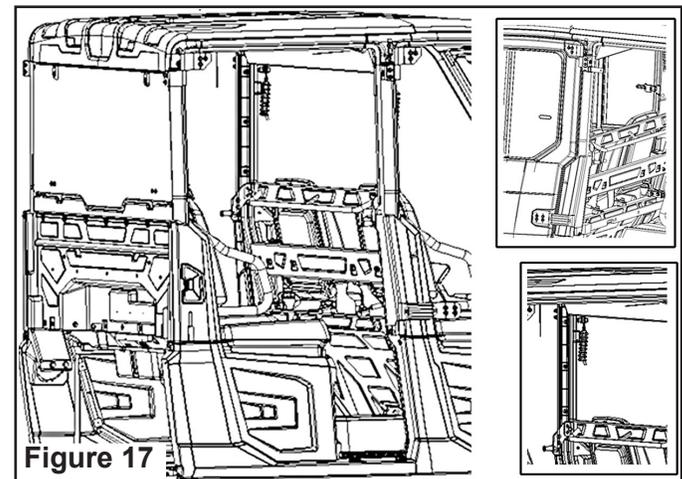
17. Install the seal kits (if desired) (PN 2879657 and PN 2879385). Refer to instructions included in those kits.

18. Set B-pillar covers removed in Step 7 back in place, but do not reinstall hardware.

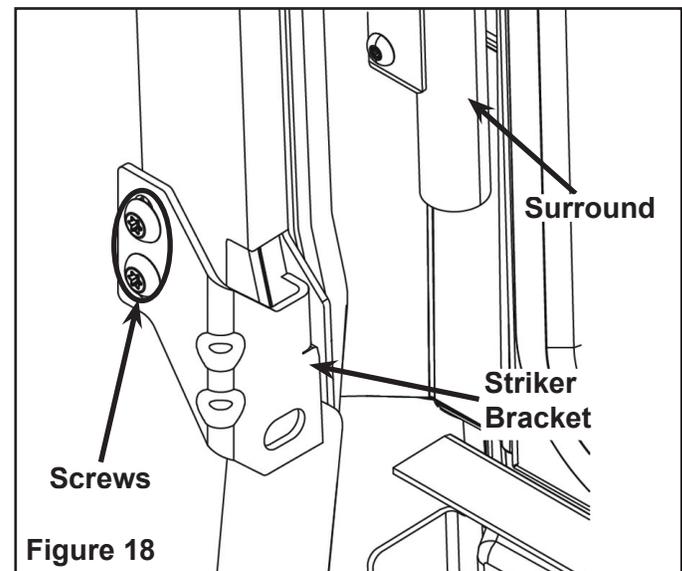
19. Remove two screws from the rocker panel. Place B-pillar door surround (PN 5450560 RH; 5450559 LH) in place, then reinstall three screws removed. Make sure short screw is reinstalled in the upper position of the three. Install three new screws (PN 7519650) from kit through B-pillar surround and into ROPS frame. Figure 16.



20. Mount the surround (PN 5450560 RH; 5450559 LH) on the B-pillar using three screws (PN 7519650) with Torx driver. Torque to 8 ft. lbs. (10.8 Nm). Figure 17.

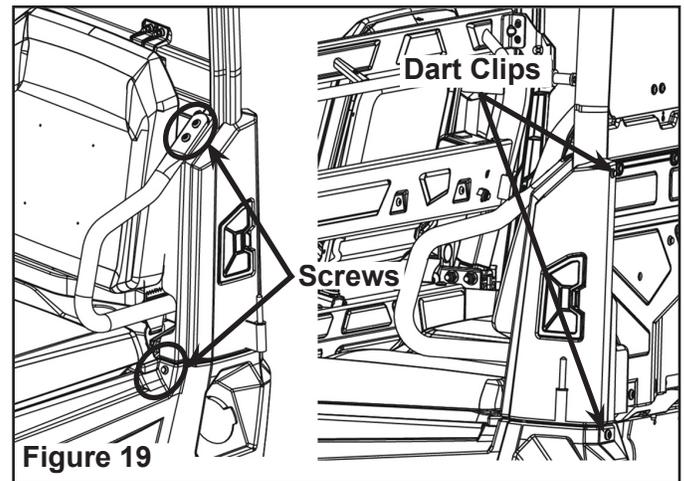


21. Mount the rear door striker bracket using hardware previously removed from rear door net buckle. Loosely tighten allowing for later adjustment. Figure 18.



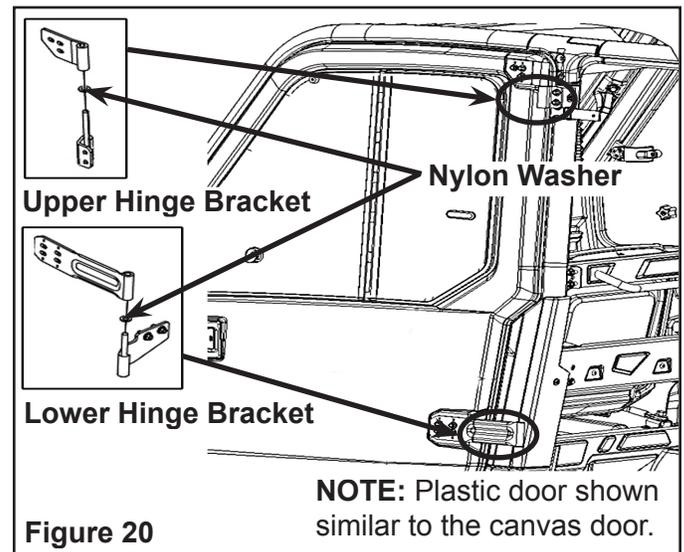
22. Reinstall the C-pillar cover using the retained fasteners. Figure 19.

IMPORTANT: Make sure to reconnect engine and clutch intake ducts on C-Pillar cover.



23. Install the latch handles on doors. Make sure to install correctly, so the portion of the latch that engages the striker pin is nearly vertical.

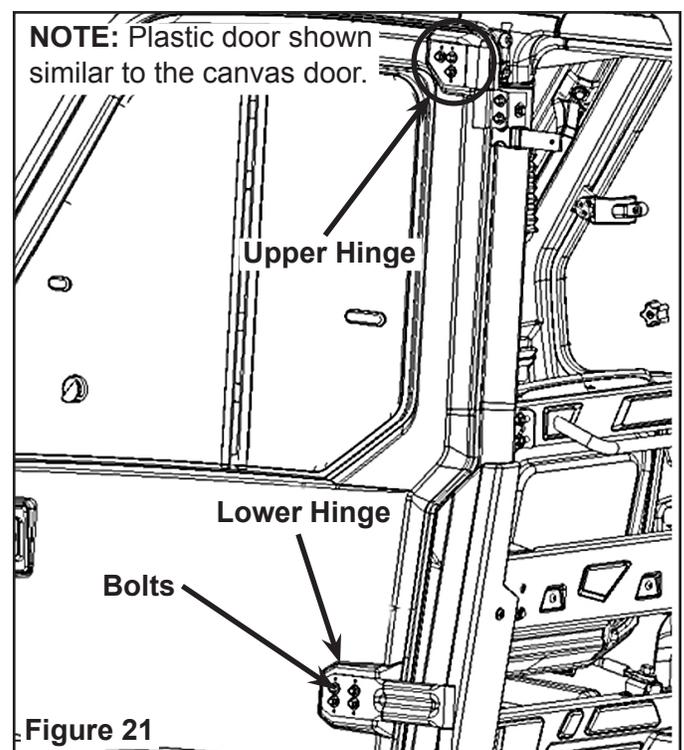
24. Install the front door on bracket pins by first installing nylon washers (PN 5439712) and placing the door on the upper hinge bracket then on lower hinge bracket. Figures 20.



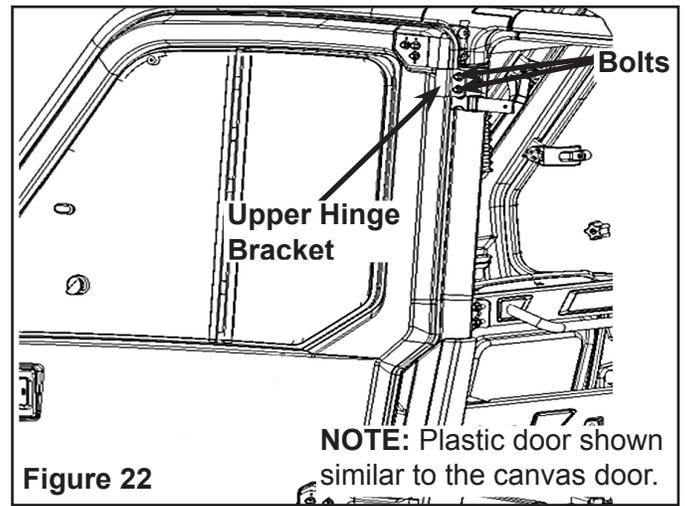
25. Center the front door into place. Loosen the bolts on the front door with a 13 mm socket as necessary to achieve proper fit. Figure 21.

NOTE: Ensure only to loosen the bolts holding the hinges to the door.

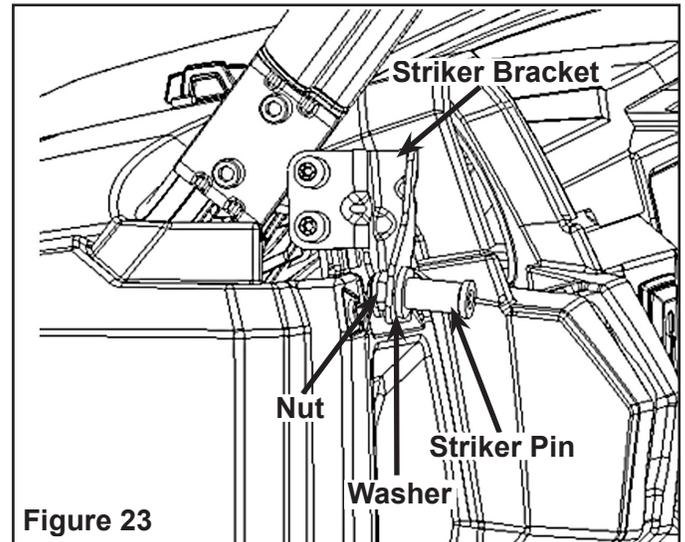
26. Once centered, tighten the upper and lower hinge bolts on the door using a 13 mm socket wrench. Torque to 17 ft. lbs. (23 Nm). Figure 21.



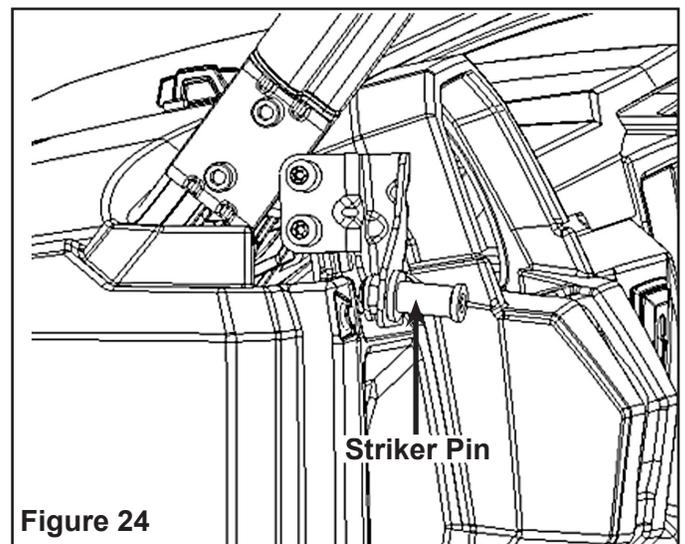
27. Rotate the front door out 90° and tighten top two bolts on the upper hinge bracket.
Torque to 17 ft. lbs. (23 Nm). Figure 22.



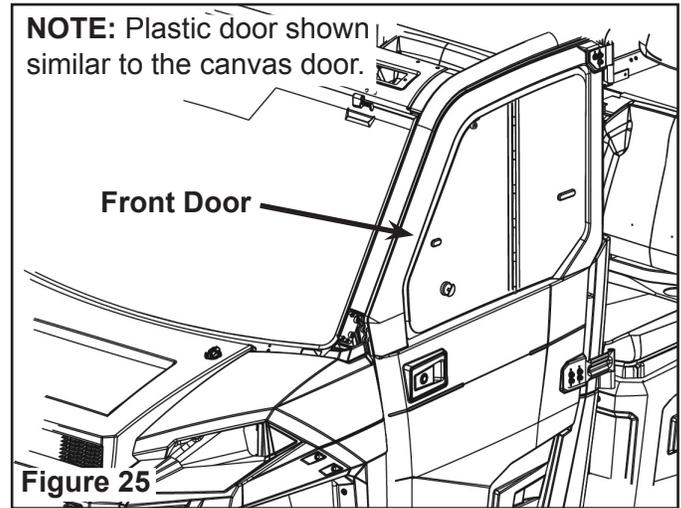
28. Install the striker pin (PN 7519358), washer (PN 5439712) and nut (PN 7540000) into striker bracket. Tighten until snug. Figure 23.



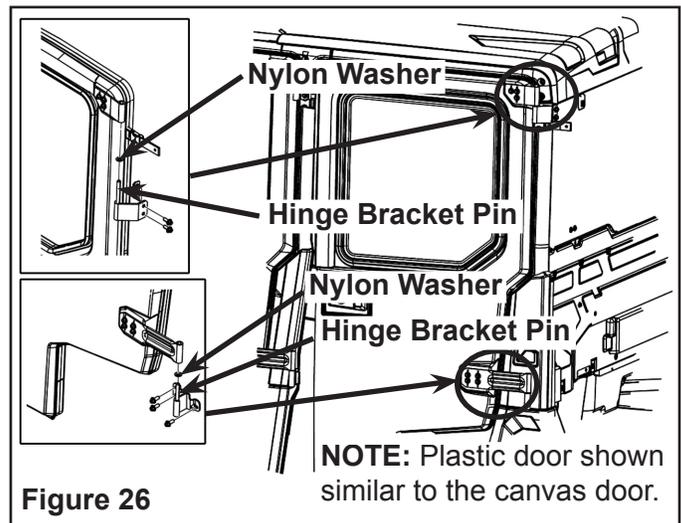
29. Close the front door and adjust the striker pin to the correct position for door sealing. Figure 24.



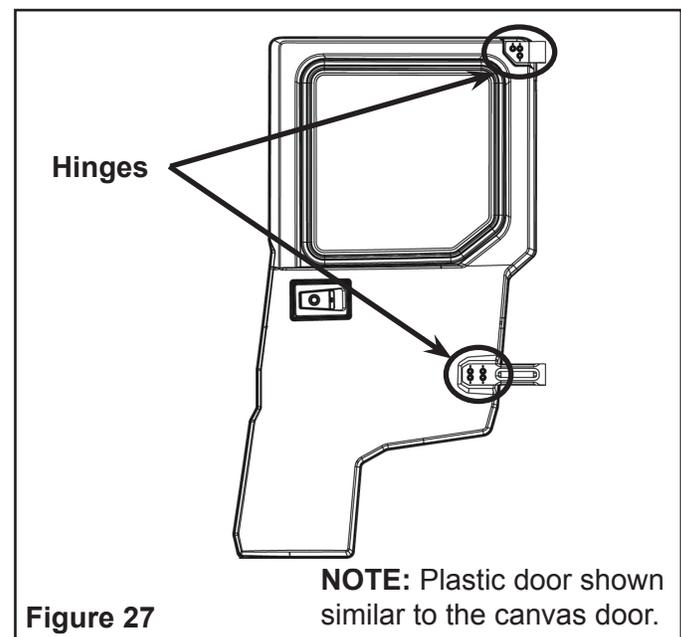
30. Open and close the front door and adjust the door latch and striker pin so the front door opens and closes smoothly. Check alignment of the front door and adjust as necessary. Figure 25.
31. Torque the striker nut to 30 ft. lbs. (40.6 Nm). Torque striker bracket mounting bolts to 22 . (29.8 Nm).



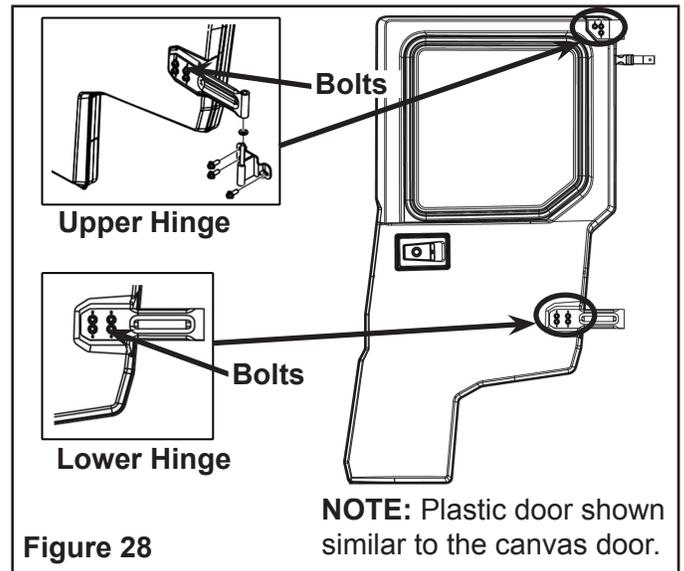
32. Place nylon washers (PN 5439712) on lower and upper hinge brackets pins.
Place the door on the top door bracket first then on the bottom door bracket. Figure 26.



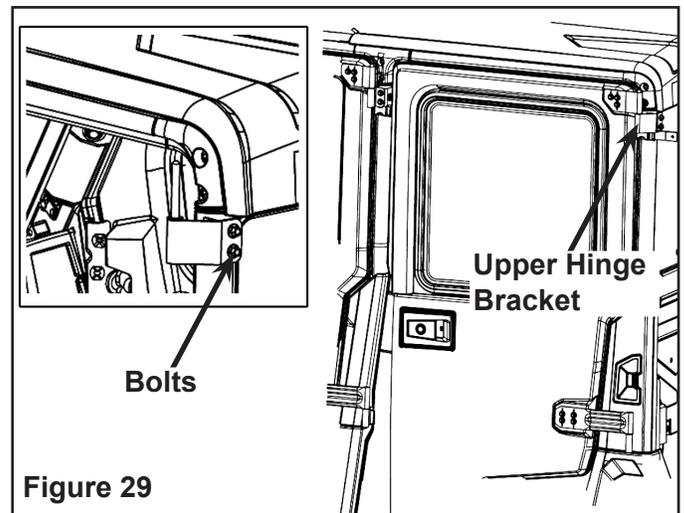
33. Loosen the upper and lower hinge brackets as necessary for proper door alignment. Use a 13 mm socket wrench. Align door using outside edge of door and ROPS frame to determine best fit. In order to maintain clearance to hinge for front doors, slide rear door slightly rearward in ROPS frame before tightening hinges. Figure 27.



34. Once door aligned, tighten the lower and upper hinge bracket bolts using a 13 mm socket wrench. Torque to 17 ft. lbs. (23 Nm). Figure 28.

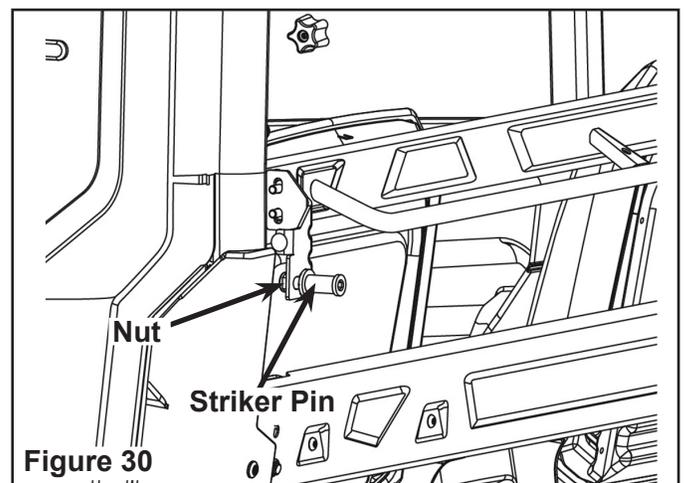


35. Rotate door out 90° and tighten top two bolts on the upper hinge bracket. Torque to 17 ft. lbs. (23 Nm). Figure 29.

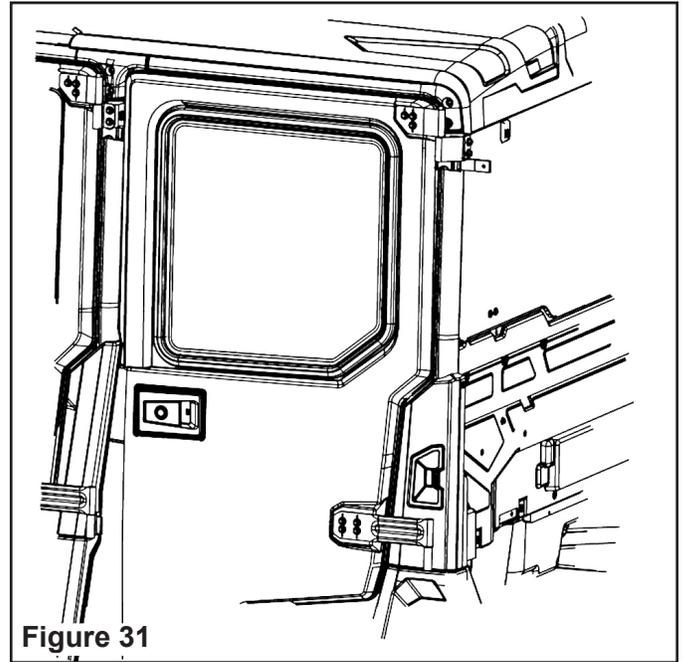


36. Install striker pin, (PN 7519358) and nut (PN 7540000) into striker bracket. Tighten until snug. Figure 30.

37. Open and close the door and adjust the door latch and striker pin so the door opens and closes smoothly.



38. Check alignment of the door and adjust as necessary. Figure 31.
39. Torque the striker nut to 30 ft. lbs. (40.6 Nm).
40. Repeat Steps 3 through 39 for the passenger side doors.
41. Finish installation of foam cab seal kit under the dash and on the rear panel.



42. Trim the excess portion of door seal foam after complete door installation. Figure 32.
- NOTE:** This step is only for canvas type of doors.





Front and rear doors installed on the vehicle.