



Ranger *Ware*

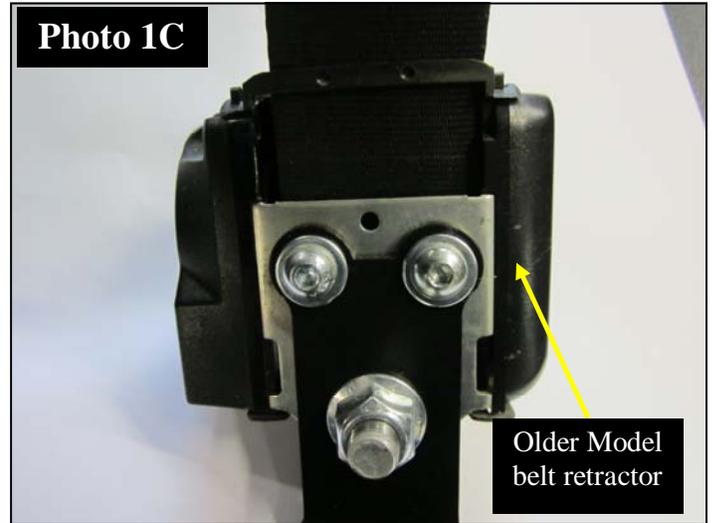


WOC-10112 Mid Size Door Installation

NOTE: If the Mid Size Ranger that you are installing this door system on is a 2010 or newer you will need to remove the sill plates and side nets. *If the doors are removed the side nets need to be reinstalled. [Do not operate the vehicle without either Doors or Side Nets in place.] Play Safe!*

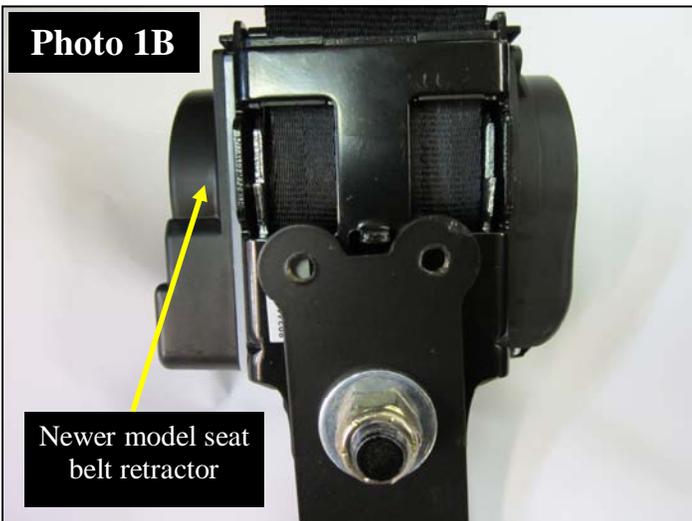
NOTE: If you have a WOC RangerWare Top, Back and/or Windshield installed you will have to remove them prior to installing the door system.

Most steps in these instructions will need to be repeated on the other side of the vehicle.



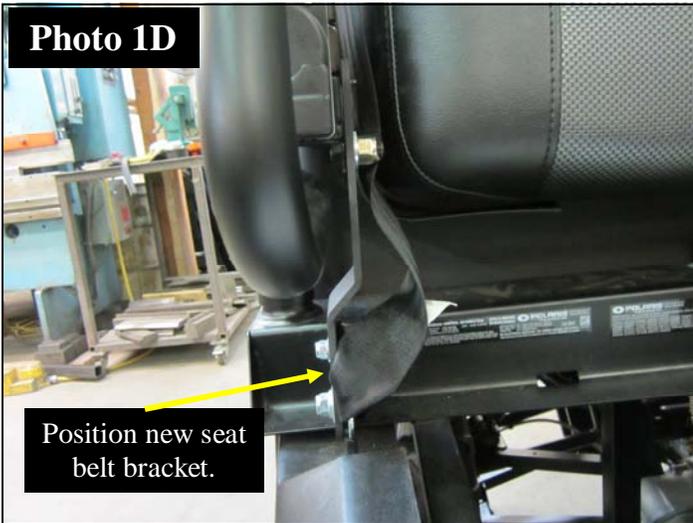
Step 1: Install new seat belt brackets.

A. First remove the lower seat cushion from vehicle. Remove seat belt retracting device. (Photo 1A)

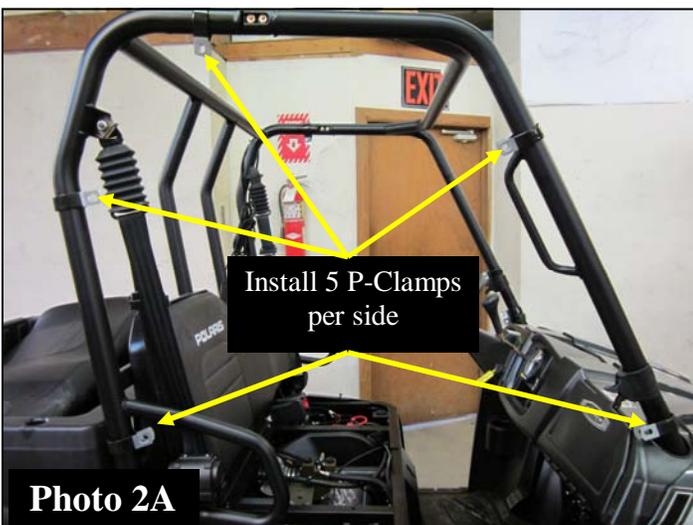


B. Install seat belt retracting devices to upper holes in new seat belt brackets. The new bracket was designed to reposition the retractor to gain clearance for the door threshold. The bracket has multiple holes to accept seat belts from 2009 to current. For newer models use original nylock nut and 3/8 flat washer to secure seat belt retractor to bracket. (1A)

C: For older models as in Photo 1C use (2) 1/4 x 1/2 BH bolts, 1/4 lock washers and 1/4 flat washers in upper holes of new bracket, they will hold the seat belt retractor in a vertical position. Using the original nylock nut and a 3/8 flat washer secure seat belt retractor to bracket.



D: Position new seat belt bracket into place using a 3/8 x 1 BH bolt and 3/8 flat washer, run bolt from the inside of vehicle through stationary end of seat belt, through original seat belt mounting hole and then through the lower hole in the new seat belt mounting bracket. Secure on the outside with a 3/8 flat washer and 3/8 nylock flange nut. If your vehicle is newer than a 2011 install a 1/4 x 3/4 BH bolt and 1/4 flat washer from inside of vehicle through upper hole in original seat belt bracket, through center hole in lower part of new seat belt bracket. Secure on the outside with a 1/4 flat washer and 1/4 nylock nut. (Photo 1D)

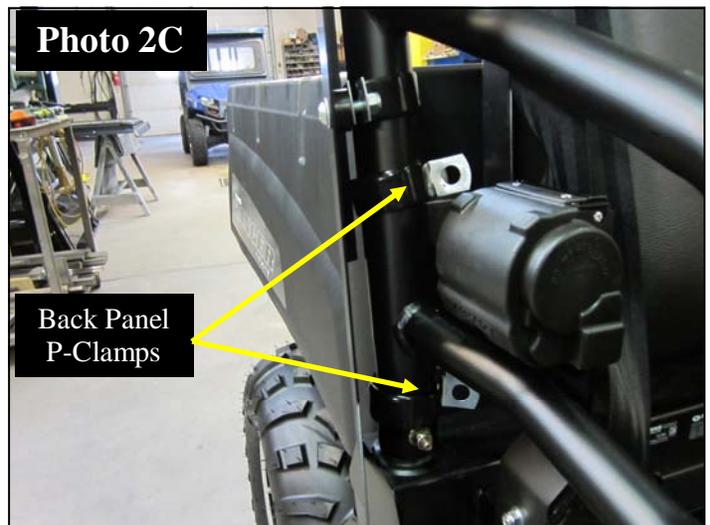


Step 2: Install Door Threshold Panels.
A: First install (5) P-Clamps per side of roll cage. Make sure the flat side of the P-Clamps are to the outside of vehicle. Position P-Clamps according to Photo 2A.

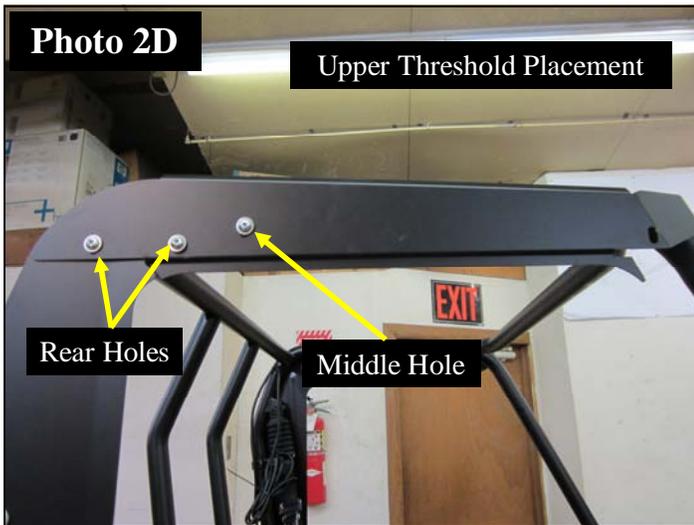


B: Position rear threshold panel into place using (2) 5/16 x 1-1/4 BH bolts and rubber bonded flat washers, run bolts through rear threshold, through 3/8 x 1 nylon spacer then through P-Clamps. Secure with 5/16 flat washers and 5/16 nylock nuts. (Photo 2B)

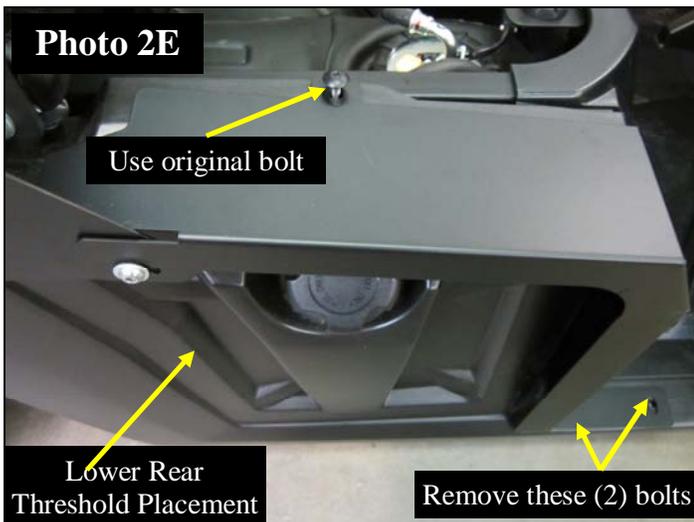
NOTE: Do not tighten any threshold bolts until all threshold panels have been installed. There will be a tightening sequence later in instructions.



C: If you are installing a RangerWare Back Panel and Top it is necessary at this point to position 4 (2 per side) P-Clamps to the rear corners of the roll cage. These clamps will be in the installation kit for the WOC-264 Top & Back Panel. (Photo 2C)



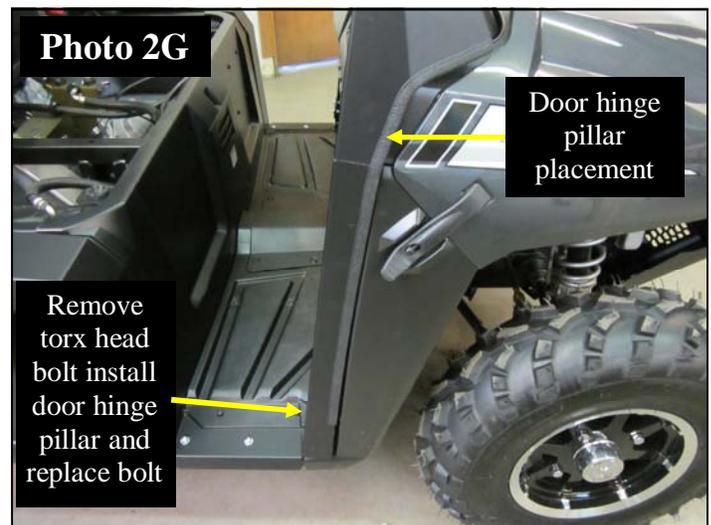
D: Position upper threshold panel into place using (1) 5/16 x 1-1/4 BH bolt and 5/16 rubber bonded flat washer, run bolt through middle hole in upper threshold, through a 3/8 x 1 nylon spacer then through P-Clamp. Secure with a 5/16 flat washer and 5/16 nylock nut. Using (2) 5/16 x 5/8 BH bolts and 5/16 rubber bonded flat washers run bolts through rear holes in upper threshold panel, through top holes for “rear” threshold panel. Secure with 5/16 flat washer and 5/16 nylon nuts. (Photo 2D)



E: Remove torx head bolt that is located under the outside edge of lower seat cushion. If you are installing this system on an older model that doesn't have side nets you will need to remove the middle and rear door sill bolts. Position lower rear threshold into place. Replace the torx head bolt located under the seat, first run bolt through slotted hole in threshold and into threaded hole in seat frame rail. Using (1) 5/16 x 5/8 BH bolt and 5/16 rubber bonded flat washer, run bolt through rear mounting hole of lower rear threshold, through bottom hole in rear threshold panel. Secure with 5/16 flat washer and 5/16 nylock nut. (Photo 2E)



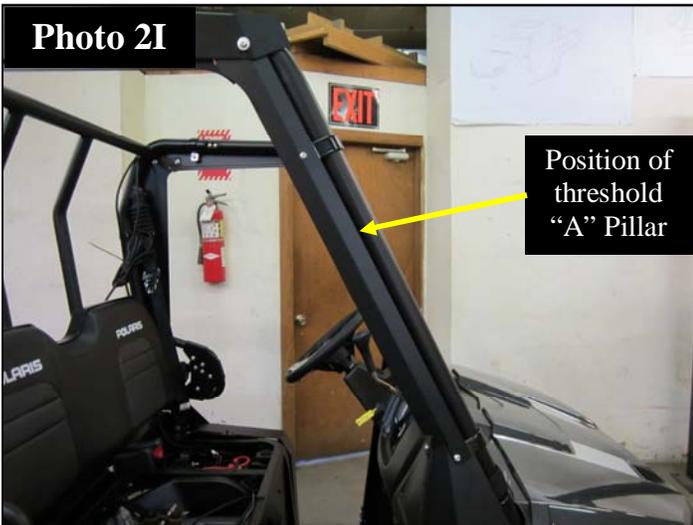
F: Position lower threshold panel into place using (2) 1/4 x 1 BH bolt and 5/16 flat washers, run bolts through slotted holes in lower threshold panel, through holes in floor pan and into frame rails. (Photo 2F)



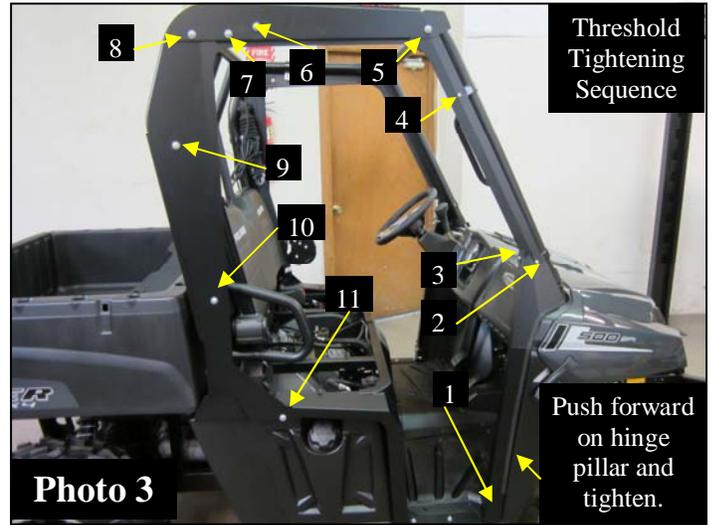
G: Remove front torx head bolt in door sill. Position door hinge pillar into place reinstall torx head bolt through lower mounting hole in door post. (Photo G)



H: If installing the WOC-10101 RangerWare windshield it is necessary to place (2) (one per side) P-Clamps around front roll bars. Position according to Photo 2H. The P-Clamps will be located with the installation kit for the WOC-10101.



I: The “A” pillar slides into the front slot in upper threshold panel, line up the front slotted hole in upper threshold panel to the top hole in “A” pillar. Using a 1/4 x 3/4 BH bolt and 1/4 rubber bonded flat washer run bolt through hole and secure with 5/16 flat washer and 1/4 nylock nut. Make sure the lower end of “A” pillar is on the outside overlapping the hinge pillar. Line up the holes in the 2 parts. In the lower front hole use a 1/4 x 3/4 BH bolt, run through “A” pillar through upper front hole in hinge pillar, through P-Clamp. Secure with 5/16 flat washer and 1/4 nylock nut. In the middle hole in “A” pillar use another 1/4 x 3/4 BH bolt, run through “A” pillar, through P-Clamp and secure with 5/16 flat washer and 1/4 nylock nut. (Photo 2I)



Step 3: Threshold tightening sequence. Push the hinge pillar forward until it is tight up against vehicle. Start at the lower mounting bolt of hinge pillar and next still with forward pressure tighten upper hinge pillar mounting bolt. Tighten the remainder of threshold bolts in the order shown in Photo 3. Leave the lower threshold and lower rear threshold bolts loose, they are slotted to enable you to adjust them after the door has been installed to get a good fit.



Step 4: Install post side door hinges. Using (3 per hinge) 1/4 x 3/4 HH bolts and 1/4 flat washers run bolts through hinges, through door hinge pillars and secure with 1/4 flat washers and 1/4 nylock nuts on the back side. (Photo 4) The hinges and hinge pillars are both slotted for adjustability. (Setting Hinges) The best spot to start is to push hinges downward and inward and tighten. Further adjustment will come later after the doors have been installed.



Photo 5A

Installation of
"D" loop
Clamp
Brackets

Step 5: Install "D" loop clamps & striker brackets.

A: Position inner and outer D-loop clamps sandwiching the D-loops. Using (3) 1/4 x 3/4 HH bolts and 1/4 flat washers run bolts from the inside through inner bracket, through outer D-loop bracket. Secure on the outside with 1/4 flat washers and 1/4 nylock nut and tighten. (Photo 5A)



Photo 5B

Striker bracket
installation

B: Install striker brackets to D-loop brackets using (3) 1/4 x 3/4 HH bolts and 1/4 flat washers, run bolts from the inside through slotted holes in clamp brackets, through slotted holes in striker bracket and secure with 1/4 serrated flange nuts. D-loop clamp brackets are slotted vertically, striker brackets are slotted horizontally and the striker pin is adjustable horizontally (in & out) so you can adjust striker in all directions. (Photo 5B)

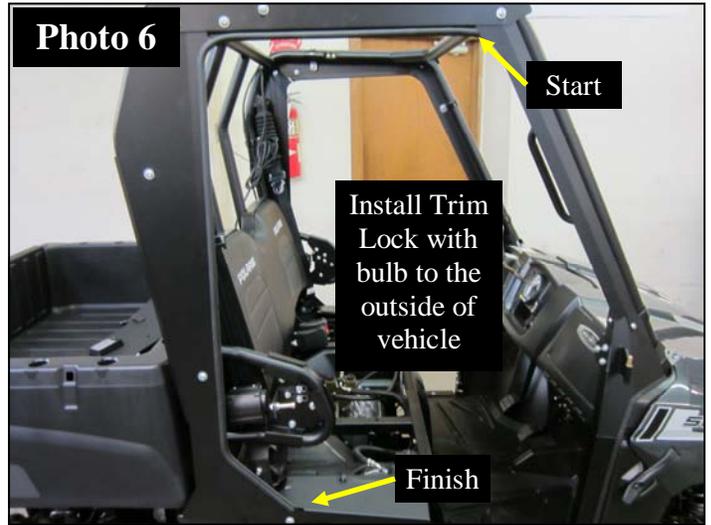


Photo 6

Start

Install Trim
Lock with
bulb to the
outside of
vehicle

Finish

Step 6: Install trim bulb.

Install bulb trim lock to upper and rear edge of door threshold starting at the upper front corner, push trim lock onto edge of threshold panel. Run trim lock down rear edge and cut to length 1/2 inch from top edge of lower rear threshold panel. (Photo 6)

NOTE: If you are installing WOC Heater, Windshield and Top & Back panel it would be best to follow their individual instruction and install them at this point and in the above order.

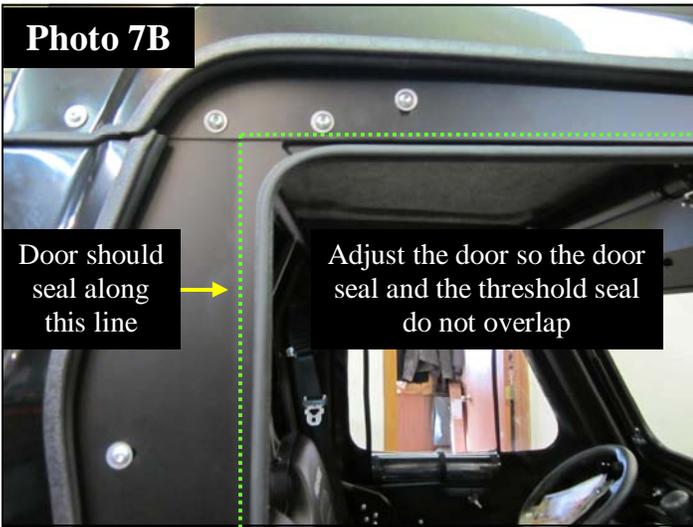


Photo 7A

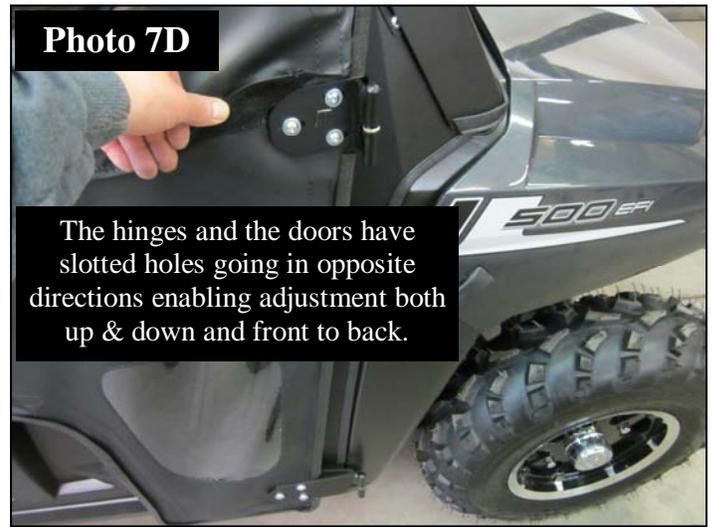
Line up hinges Slide
door downward until
hinges bottom out

Step 7: Installation and adjustment of doors.

A: Slide doors down over post side hinge pins. Make sure door hinges bottom out prior to closing doors. Close doors slowly checking all aspects of door and seal. Adjust door striker so it lines up with door latch prior to closing. (Photo 7A)



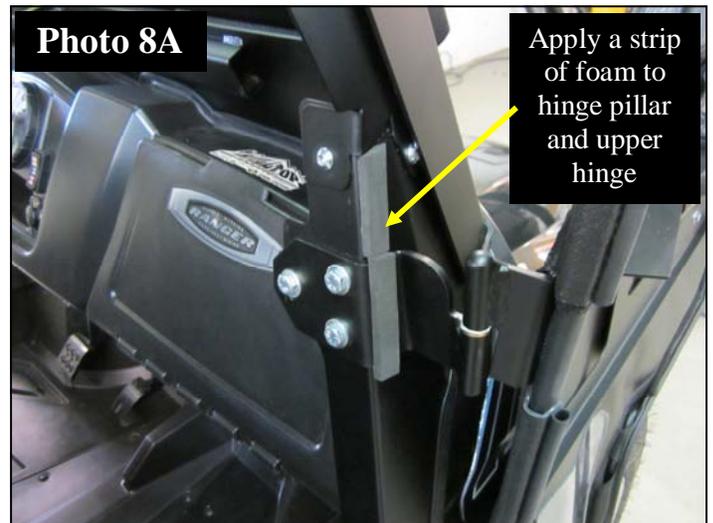
7B: The inner bulb seal that was installed in Step 6 was designed to be inside of the bulb seal that is on the doors making an overlapping double seal. (Photo 7B)



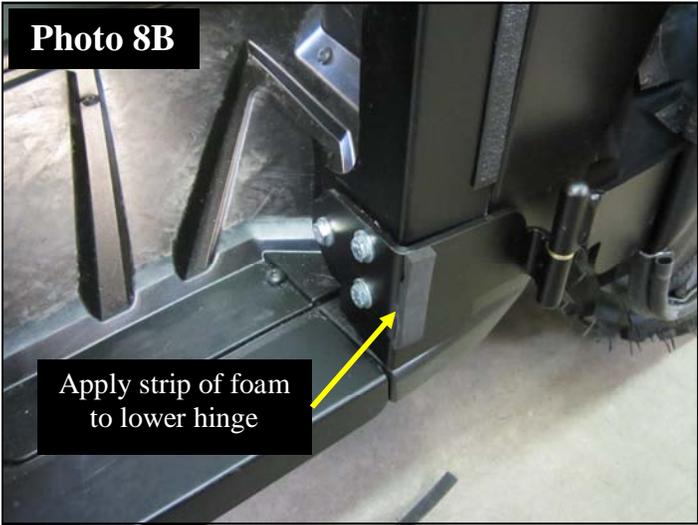
7D: To adjust doors determine from steps 7B & 7C whether there is a need to adjust the doors and proceed as follows if they do. The hinges on the doors a slotted horizontally for forward and back adjustments. The doors have vertical slots where the hinges attach for up and down adjustment. Determine which way door hinges need to be moved and make the adjustments. When fitment is achieved tighten all bolts. (Photo 7D)



7C: The upper front edge door is to run parallel to the rear edge of the windshield frame with approximately a 1/4 inch gap between them. (Photo 7C)



Step 8: Adhesive backed foam.
A: There is 1/4 x 1/2 high density adhesive backed foam supplied in the door kit to be applied on the front hinge pillars and hinges. (Photo 8A)



B: Also apply a strip of foam to lower hinge. Cut adhesive backed foam to length, peel backing and adhere according to Photos 8A & B.