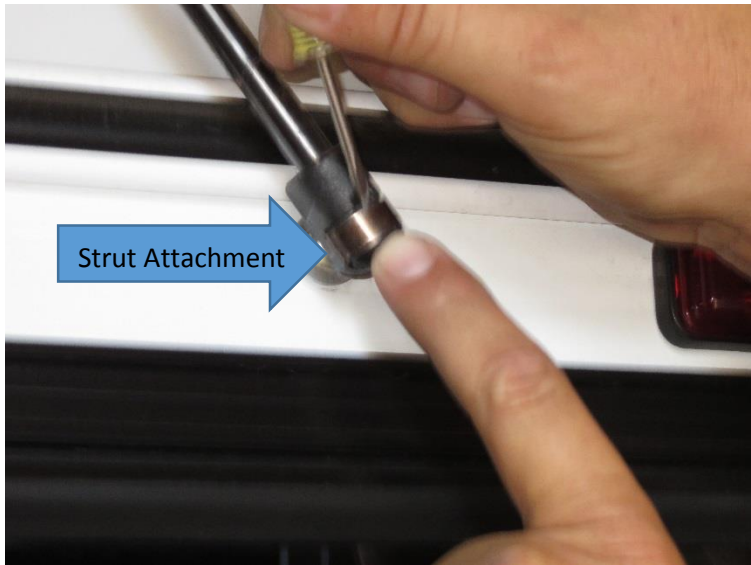


External Roof Lift Assist Repair

1. Remove external gas strut if installed.
 - a. Raise the roof to extend the gas strut.
 - b. Starting at the bottom, with a small flat blade screw driver, insert into spring retaining clip, and lift the clip while gently pulling on the gas strut.



- c. Remove all 4 of the lower strut attachments from the ball studs.



Lower Strut Attachments

- d. Carefully lower the roof and repeat the process for the top mounts (front and rear of camper).
2. Remove either the nylon screws or the ball stud (your camper will have one or the other).



3. There may be a screw in the trim that will have to be removed. If necessary, remove the screw and fill the screw hole with silicone.

If your camper has this screw, it needs to be removed, then filled with silicone.

If the screw does not interfere with the plate, removal not necessary.



4. On the back side of the 3 hole plate, run a small bead of silicone.
5. Insert the nylon screw or the ball stud (whichever one you removed from your camper in step # 2) through the center hole of the plate. Put a small bead of silicone on the threads of either the nylon screw or ball stud.



6. Reinsert the nylon screw or ball stud into the rivet nut that is in the camper. Hand tighten the nylon screw or ball stud, and align the 3 hole plate.



Ensure that the 3 hole plate is straight

7. Pre drill using the 3/32" bit prior to using the #8 X 1/4" self-tapping screw.
 - a. Make sure to pre drill the holes straight.
8. Attach the 3 hole plate to the camper.



**Pre drill using the
3/32" Drill Bit**

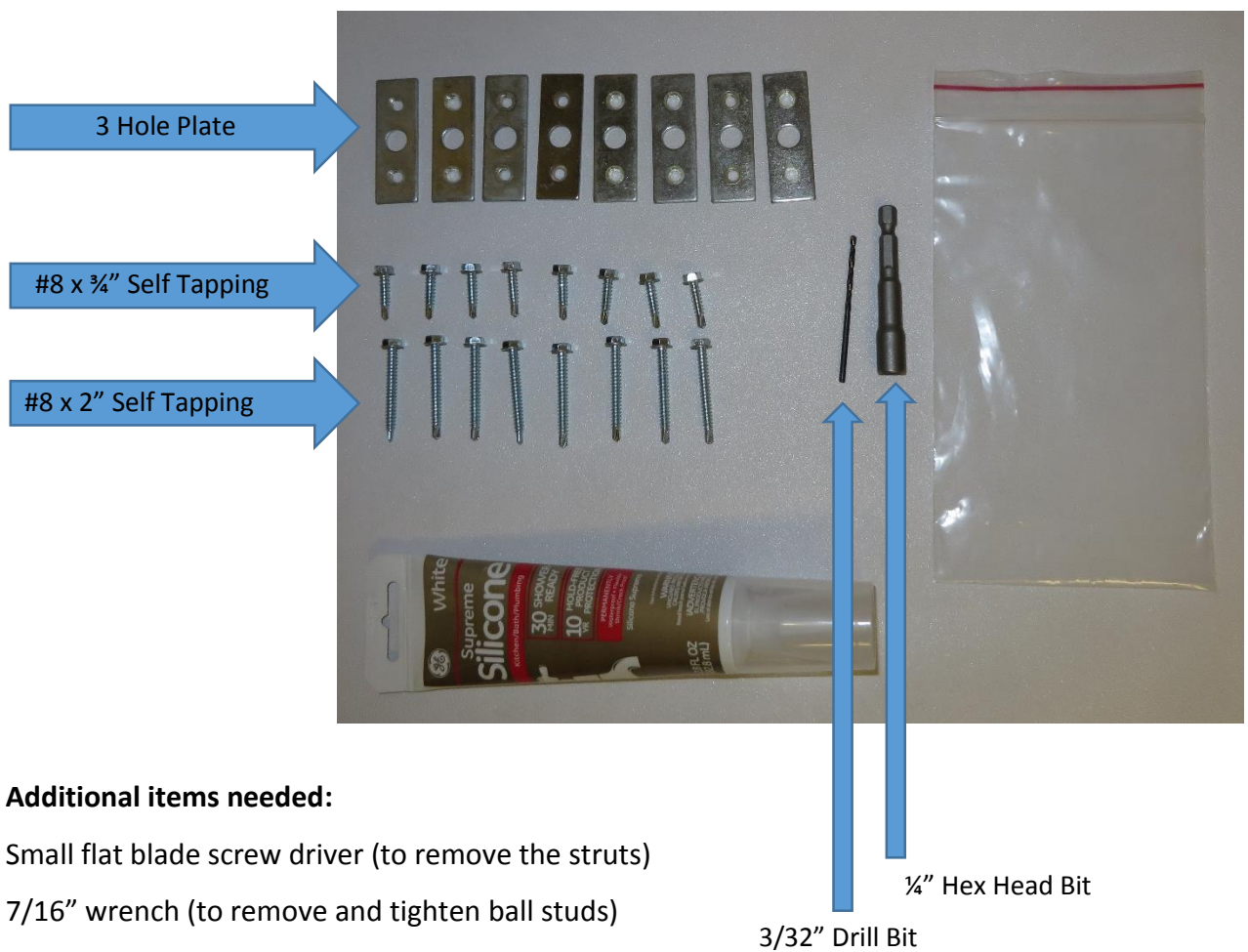


**Using the 1/4" hex head bit, screw
in the self-tapping screws**

9. Repeat the process for all 8 rivet nuts in the camper.
10. Make sure that the #8 X 3/4" self-tapping screws are used on the base camper and the #8 X 2" self-tapping screws are used on the roof. Pre drilling through approximately 3" will be necessary for the roof repairs, due to the length of the screws.
11. Retighten the nylon screws or the ball studs into the rivet nuts.
 - a. Use a flat blade screw driver to tighten the nylon screws.
 - b. Use a 7/16" wrench to tighten the ball studs.

Parts List for Repair:

Quantity	Description
8 each	3 hole flat brackets
8 each	#8 X ¾" hex head self-tapping screws (for lower base repair)
8 each	#8 X 2" hex head self-tapping screws (for the roof repair)
1 each	3/32" drill bit
1 each	¼" hex head bit
1 each	tube of silicone sealant



Additional items needed:

Small flat blade screw driver (to remove the struts)

7/16" wrench (to remove and tighten ball studs)