

Dave Root RV Glass Repair “Insulated Glass Window Rebuild Kit Instructions”
www.daverootrvglassrepair.com

The new seal is $\frac{1}{4} \times \frac{3}{16}$ it is the proper thickness for obtaining a $\frac{7}{16}$ OA IGU. (Always measure the overall thickness of any window before cutting it apart to be sure of its size. Some windows are $\frac{1}{2}$ inch and some are $\frac{3}{8}$ inch. So just double check. Most are $\frac{7}{16}$ OA.

Remove window frame from coach.

Some windows have a rubber screw cover over the inside window sash covering the screws use a tinny pick to pull this rubber cover up just enough to pull on it with your fingers and remove it by carefully pulling it away from the window. (Some coaches do not have this rubber cover) If there is a rubber cover pay close attention how it locks into place for later install.

Some window shades need to be removed if there isn't any room to remove the screws. Each coach is different.

Remove all screws except one on each end as well as top and bottom. After you're down to those four screws have a helper on a ladder outside score the silicone bead along the window frame edge carefully if there is one. (Some coaches do not have any silicone on the exterior)

Remove the last four screws and press on an upper corner and push the window & frame out with steady firm pressure. Keep pushing steady it will come out. Sometimes you have to use a thin putty knife to slide down between the exterior frame and side wall to work it loose. (carefully do not scratch the paint)

Remove Glass from window frame.

After the frame is removed from the coach, Make sure you mark the outside pane of glass with masking tape. Remove the glass from the frame by removing the screws holding frame together on corners and centers. Be very careful not to destroy the rubber around the glass that is in the frame. It can be very brittle when cold.

Once the glass is out of the frame Place the window on a flat surface on a blanket or carpeted work bench. (Do not place glass on metal, concrete, tile surfaces it will break or get scratched.)

Cut window panes apart.

Use the plastic long bladed razor knife to cut into the seal slowly all the way around the window making sure to keep the blade from touching the glass.

Once the two pieces of glass are separated place one to the side for later.

Use the flat razor blades to remove the old seal from the glass edge. Spray with glass cleaner to keep it lubed to help prevent scratching. (Never use chemicals such as acetone, or anything else to dissolve residue this will contaminate the glass and offer a poor bond)

Keep the razor blade approx. only $\frac{1}{2}$ inch to $\frac{3}{4}$ inch inside from the edge of the glass. Never go past where the old seal is towards the inside. Be careful not to scratch the glass surface. Scratching the surface of the glass exactly where the old seal is stuck to the glass is ok.

After cleaning the entire old seal residue from the glass and it is looking clean, use the scotch brite pads to clean the edge of the glass again to remove any more of the seal that might not come off with the razor blades. (Again do not go past where the old seal was on the glass) as the scotch brite pad will lightly sand the edge.

Spray down with glass cleaner and wipe window glass clean. (Never use Windex cleaner or any window cleaner with ammonia in it) I recommend you use the Sprayaway glass cleaner it is available from Costco and home depot.

Clean the second glass panel the same way as you did the first one.

Window slider handle.

The metal handle on the slider section, this is one of the most difficult items to remove from the glass. Spray water or glass cleaner in the edge between metal and glass. Hold the window down and use a razor knife to slowly cut away at the bond. Once you get through it on one side flip it over and cut the other side.

Use a plastic block or wooden block to place on the glass surface and use a dead blow hammer to tap it off. Keep at it, it will come off. If you get one edge to pop free, do not pull on it, you will put it in a bind and break the glass. (Make sure to mark the handle for where it goes back onto the glass for later reference)

Glue the slider handle back on.

Use the urethane to glue the handle back on to the glass. You will only need a small 1/8” size bead to glue the metal back onto the glass. Only place the urethane on the left and right side of the metal channel, you do not need to place any in the very bottom. Once it bonds it will not fall off.

Apply new seal.

After both pieces of glass are clean and dry I recommend you wear rubber gloves, **without** powder on them. And you can now apply the new seal to the inside edge of the outside pane of glass.

Place the new seal so that it is approx. ¼ - 5/16 of an inch inside the edge of glass. This way there is room when the backfill is installed later on.

When placing the new seal make sure the shiny side is facing the outside edge of the window glass (where the back fill will be placed). The gray side will be placed towards the inside of the window. (The two blue sides are the sticky sides that will hold the two pieces of glass together)

Now The blue strip on the new seal pull it back approx. a 6 inch section and start at one corner of the glass and work your way around the window. If you get to a 90 degree corner just bend it around the corner and cut just a little way on the outer side of the seal to release some of the pressure to make it stay in position. The seal is a one second bond so be exact with your placement. You must press a little firm as you place the seal down for it to stick. If it doesn't stick the glass isn't clean.

After working your way around the window and the seal is in place, and you have the ¼ inch to 5/16 inch edge all the way around the window (room for the back fill later) You can clean up the other piece of glass and practice setting it on top of the other before you remove the other blue strip from the seal.

After you're confident about placement of the top section of glass, you can remove the blue strip completely and set the other half of the glass on top. (Remember it is a one second bond) so you really only get once shot at lining up all the corners and radiuses. (A second person makes it easier to line it all up)

One you have placed and set the two pieces of glass together you must squeeze the two pieces firmly together with your hands to make sure the bond is set.

Now you are ready for the back fill.

Apply the back fill.

Make sure that you didn't touch the glass anyplace on the edge where you're placing the new seal or the backfill. If you did clean it up again with a paper towel and get the oils from your hands off the glass surface. Make sure the edge is completely dry if you use a damp towel before moving on.

Use a caulking gun and fill in the ¼” – 5/16” gap on the outside edge with the urethane back fill. If you let the tube soak in hot water for three to five minutes, or over a heater vent before you use it this will let it squeeze out and fill in the gap much smoother. (Make sure to fill the gap completely and no air pockets) always over shoot the corners to fill in completely.

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Once you have filled in the gap with the backfill, smooth it out and press it in place with your finger or a plastic putty knife. No worries about getting it oozing out all over it can be trimmed later after it dries. Now let the window sit in a warm environment for the next 3 hours before installing it back into the window frame.

After the window has set you can use a razor blade to trim up the edges of the seal flush with the glass. If you're trimming and you find the urethane wet still, it needs to sit longer. Full cure will be overnight.

Place glass back into frame.

Clean up the rubber gasket that was around the window with warm soapy water or glass cleaner and then wrap it around the newly sealed window exactly as it was on the glass before. Use some thin masking tape to hold it in place if needed while placing the glass back into the frame.

Some glass cleaner between the rubber and the frame make it a little easier to get back into the frame.

Screw the frame back together as it was before you took it apart. Place a small amount of urethane in the main joint of any window frame that is taken apart. (Main perimeter of the window frame)

Reinstall the window frames back into the coach as you removed them. Install the screws back into the window frames doing the four corners first making sure the inside window sash lines up where it should be.

Congratulations you just completed your first window rebuild.

Any questions email us we will respond as soon as possible. (daverootrvglassrepair@gmail.com)

www.daverootrvglassrepair.com for free estimates or to order window rebuild kits.