

## Window Reglazing Instructions

The window has a label located in the lower right hand corner of the attack side. This label will tell you the glass size that is installed in this unit. First remove the ballistic trim. This can be attached to the window, wall or sub-frame. This bar protects the caulk space from bullets.



Remove the anchor bolts holding in the head and sill 2" tubes. There are two 6mm flat head machine screws holding the steel tube to the window. If reglazing a teller window the sill will have two flat hex socket screws holding the sill bar in place. These screws (and bolts in the case of a teller window) are used to keep the tubes in place while installing the anchors. Remove these screws also. Remove the head and sill tubes.



Replace two anchors on the sill and two anchors on the head with a 12mm x 40mm flat hex socket screw to hold the window in place while removing the side tubes.



If it does not feel like the window is holding well enough without all of the tubes you can add some more flat hex socket screws onto the sides of the window. Once all glass beads have been removed, you can begin to remove and replace the transparency. The window is held in place by a butyl seal. You must cut the seal from the exterior in order to free the glass from the frame. **Note:** You may need to take a flat razor around the edge of the attack side of the unit. Apply even pressure all around and the glass should come out.



Once the glass has been removed, clean the excess butyl from frame. Re-apply new butyl to the window frame by holding it back 1/8" from edge along all sides except the bottom of the vision opening. The bottom should remain flush when you apply the new butyl. The butyl will spread and overlap the frame or end up flush with the edge of the frame.



Lean the crate along a wall and block in place to open the crate. Open the crate from the side marked so you see the plastic side of the window unit. Lay the glass down on a protected surface with the glass side of the unit up.



Proceed to the opening and center the glass in front of the setting blocks equally in the opening. Raise the panel up while maintaining on the setting blocks making sure you do not touch the butyl. Touching the butyl can move your glass out of position.



Push the glass panel against the butyl evenly and reinstall the glass stop tubing. Starting with the sides first, unbolt any flat hex socket screws and reattach the tubes. You must first reapply the 6mm screws (and flat hex socket screws in the case of a teller window) onto your glass stop tubing before reapplying the frame anchors. Now run 12 x 40 socket cap screws along the sides of the window. Once done, complete the tube replacement with the head and sill tubes. The glass should face the impact side of the unit. In the case of a FDI-FW05M or FDI-TW05M glass is both on the impact and secure side of the window. Once the glass bead is replaced replace the ballistic trim. Caulk may be needed between the glass and the window frame to create a complete seal.



### **Cleaning the Plastic and Glass**

Once you have removed the plastic and/or the glass from the vision opening (or want to clean it in the frame) and you want to clean it you must follow some procedure. Gently wash product with a mild solution of soap or detergent and lukewarm water using a soft, grit-free cloth or sponge. Avoid abrasive cleaners. For polycarbonates – Windex, Joy, Fantastik, Top Job, Mr. Clean and Formula 409 are effective if diluted with water. Isopropyl alcohol is also a very good cleaner for both glass and polycarbonate. Do not

use razor blades or other sharp objects to remove spots. Rinse immediately with clean water after cleaning window.