



Joyner Trooper one-piece Polycarbonate Windshield Kit Installation

You have just purchased the best Polycarbonate Windshield for your Utility Terrain Vehicle available on the market today. Your Windshield is made of ¼" gauge Lexan that is almost unbreakable. With proper installation and care you can expect many years of service life from your **3SI UTV Polycarbonate Windshield**.

Step 1: Remove your 3SI UTV Polycarbonate windshield kit from the shipping box. **DO NOT REMOVE PROTECTIVE PLASTIC PAPER FROM THE WINDSHIELD AT THIS TIME. THAT SHOULD BE YOUR LAST INSTALLATION STEP.**

Contents: 1 – Trooper one-piece Polycarbonate Windshield
4 - 1-3/4" Quick Connect Clamps and Neoprene Washers
4 – 6" Adhesive Hook Strips

Note: Remove any existing front Roll Bar upright hardware from your vehicle that will interfere with the installation of your new 3SI UTV Polycarbonate Windshield. You will need someone to help hold the Windshield in place while hardware is being fastened.

Before Installing your 3SI UTV Polycarbonate Windshield Kit you will need to Install your 3SI UTV Full Cab Enclosure, Windshield Top Enclosure or Door / Rear Window Enclosure as the front Windshield Enclosure tabs go under the Polycarbonate Windshield.

Step 2: Place the Polycarbonate Windshield on the front of the Vehicle windshield Roll Bar Uprights so that the edges of the Windshield align with the center of the Roll Bar posts. The bottom contour of the windshield should rest slightly above the hood as shown below. The top of the windshield will be below the Top Roll Bar cross member.



Step 3: Noting the Windshield hole locations that need to match to the Quick Connect Clamp locations let your assistant hold the windshield outward slightly away from the front Roll bar uprights. Remove the knob bolts and washers and disassemble the Quick Connect Clamps. Place the clamps around the roll bar uprights in the appropriate locations as shown in figure 3.1 to match Windshield mounting hole locations.



Figure 3.1 - Disassemble the Quick Connect Clamps and reassemble around the roll bar

Step 4: Reposition the Windshield and Clamps slightly so that Windshield Holes and Clamp holes match. Replace the Knobs and Washers as shown in figure 4.1

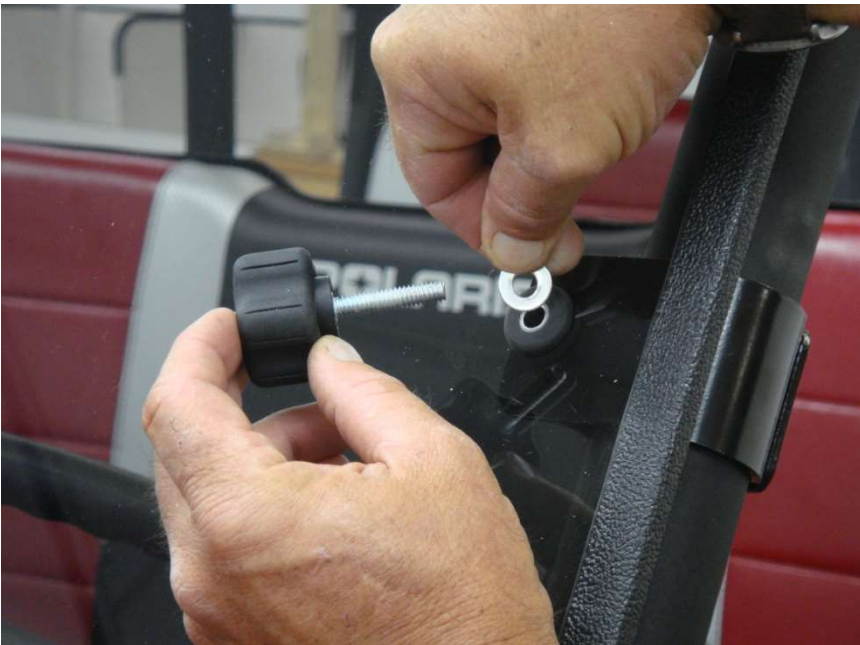


Figure 4.1 - align windshield and clamps then replace knobs and washers through the windshield.

Step 5: Ensure that you have proper windshield alignment as indicated in step #2 and tighten all Knobs as shown in figure 5.1 and 5.2



Figure 5.1 - tighten all "Quick Connect" knobs



Figure 5.2 - When Knobs are tightened they should hold the flat side of the Clamp flat against the inside of the Windshield

Step 6: Remove protective plastic paper from Windshield



Figure 6.1 - Windshield should be aligned as shown with proper installation

Note: DO NOT CLEAN YOUR LEXAN WINDSHIELD WITH ANYTHING BUT WATER AND A SOFT RAG



Periodic cleaning using correct procedures can help to prolong service life. For care and cleaning, it is recommended that the following instructions be adhered to:

Lexan Cleaning Recommendations

- Gently wash Lexan with a solution of mild soap and lukewarm water, using a soft, grid-free cloth or sponge to loosen any dirt or grime.
- Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptanes. Afterwards, wash the sheet using mild soap and lukewarm water.
- Scratches and minor abrasions can be minimized by using a mild automobile polish. We suggest that a test be made on a small area of the Lexan sheet with the polish selected and that the polish manufacturer's instructions be followed, prior to using the polish on the entire sheet.
- Finally, thoroughly rinse with clean water to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.

Important Instructions

- Never use abrasive or highly alkaline cleaner on Lexan polycarbonate materials.
- Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on Lexan polycarbonate materials.
- Use of incompatible cleaning materials with Lexan sheet can cause structural and/or surface damage.
- Contact with harsh solvents such as methyl ethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of Lexan sheet.
- Never scrub with brushes, steel wool or other abrasive materials.
- Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.
- Do not clean Lexan polycarbonate in direct sunlight or at high temperatures as this can lead to staining.
- For all mentioned chemicals consult the manufacturer's material safety datasheet (MSDS) for proper safety precautions.