3 STAR INDUSTRIES

Kubota RTV500 two-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 polycarbonate (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. THIS SHOULD BE YOUR LAST INSTALLATION STEP.**

Contents: 1 - 2-Pc Polycarbonate Windshield

8 - 1 ¾" Quick Connect Clamps and Neoprene Washers

8 – 6" Adhesive Velcro Strips

2 - 10" Quick Attach Straps made of hook (rough side of Velcro) and loop (soft side of Velcro)

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.

Step 2: THE ROLL BARS ON THE KUBOTA RTV500 ARE 1.5" IN DIAMETER. THE SMALLEST QUICK CONNECT CLAMPS AVAILABLE MEASURE 1 ¾". ADHESIVE VELCRO STRIPS HAVE BEEN PROVIDED TO WRAP AROUND THE ROLL BAR WHERE THE CLAMPS ATTACH. ONCE THE LOCATION OF EACH CLAMP IS DETERMINED, REMOVE THE BACKING FROM AN ADHESIVE VELCRO STRIP AND WRAP THE STRIP AROUND THE ROLL BAR AT THAT LOCATION.

Step 3: Attach one clamp on the lower portion of the two front roll bars. The flat side of the clamps should face the windshield when installed properly. Tighten the nuts on the clamps enough to hold them in place, but allowing movement up and down for proper positioning.

Step 4: Place the bottom windshield section on the roll bars. Align the windshield section so that the edges of the windshield align with the center of the roll bars as shown in the next picture. The flexible bubble on the bottom of the windshield should rest against the hood but should not be flattened entirely. Reposition the clamps as needed to align with the holes in the windshield. Place a neoprene washer over a knob bolt. Place the knob bolt thru the windshield and screw the bolt into the clamp. Do not tighten at this time. Repeat for the other side of the windshield.

Step 5: When satisfied that the bottom windshield section is positioned properly, tighten the two clamps nuts on each clamp.

Step 6: Tighten the four knob bolts holding the bottom windshield section in place. **DO NOT OVER TIGHTEN THE KNOB BOLTS. NEVER USE THE KNOB BOLTS TO PULL THE CLAMPS TO THE WINDSHIELD.** If the clamps need to be re-positioned, loosen the clamp nuts to do so.

Step 7: Four clamps will be needed for the upper windshield section. Attach a clamp in the approximate locations of the holes in the upper windshield section. Again, tighten the nuts on the clamps enough to hold them in place, but allowing movement up and down for proper positioning.

Step 8: Place the upper windshield section to the roll bars. The bottom lip should fit over top the bottom windshield section as shown on page 1. The bend at the top of the windshield goes under the front roll bar. Align the windshield section to center on the roll bars. One at a time, re-position the clamps as needed to align with pre-drilled holes in the windshield. Attach a knob bolt with neoprene washer thru the windshield and into the clamp. Repeat for each clamp.

Step 9: When satisfied that the upper windshield section is positioned properly, tighten the two clamps nuts on each clamp.

Step 10: Tighten the knob bolts holding the upper windshield section in place. **DO NOT OVER TIGHTEN THE KNOB BOLTS. NEVER USE THE KNOB BOLTS TO PULL THE CLAMPS TO THE WINDSHIELD.** If the clamps need to be re-positioned, loosen the clamp nuts to do so.

Step 11: Two velcro straps are used to secure the top of the windshield to the top roll bar. Feed a strap into each of the slot holes. The strap should be inserted from the bottom with the loop side of the Velcro facing the outside of the windshield. Wrap the strap around the roll bar and feed the it through the buckle. Pull the strap tight and adhere the hook end of the strap to the loop strap.

Step 12: Remove protective plastic paper from each side of your windshield.

SEE THE ATTACHED CARE INSTRUCTIONS.

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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 no 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.