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## Installation Guide

### KX-040-4, KX-057-4 & U55-4 Excavator Glass Guard

Thank you for your purchase! We want you to be completely satisfied with our products. If you have any questions or concerns, please reach out via the contact information above and we will do all that we can to assure your experience with us is a positive one.



JIS High-Strength Steel Flanged Hex Head Screw  
M10 x 1.25 mm Thread, 16 mm Long

Qty: 4



JIS High-Strength Steel Flanged Hex Head Screw  
M10 x 1.25 mm Thread, 20 mm Long

Qty: 2



Alloy Steel Flanged Button Head Screws, Zinc-Plated, M10 x 1.50 Mm Thread, 20 Mm Long

Qty: 2



18-8 Stainless Steel Unthreaded Spacer, 16 Mm Od, 6 Mm Long, For M10 Screw Size

Qty: 2



Oil-Resistant Buna-N O-Ring  
2 mm Wide, 8 mm ID

Qty: 2

Below is the process for installing your glass guard.

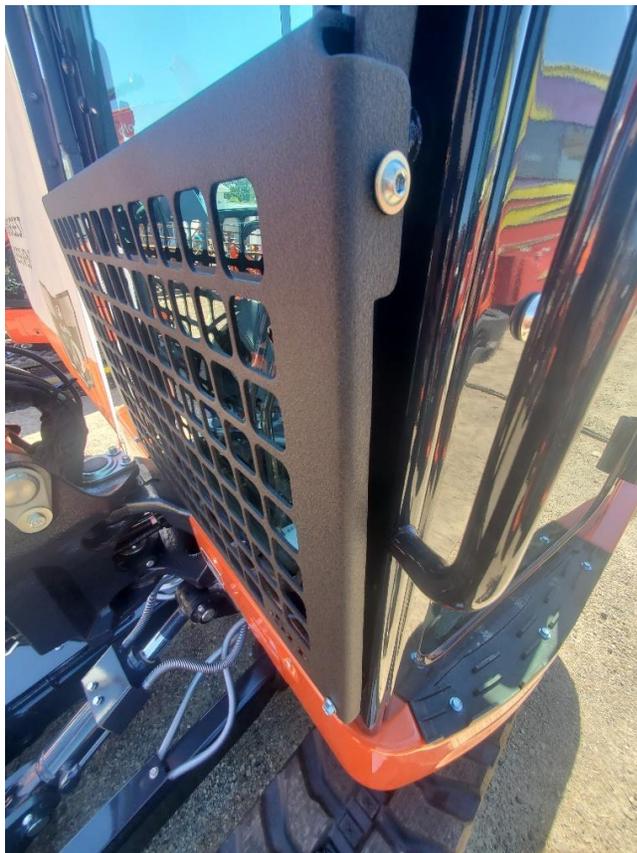
- 1) Place the crate on a flat surface with the side labeled "OPEN THIS SIDE" facing upward and remove the screws around the perimeter of the crate.
- 2) Unpack each component and identify them per the photos on page 1.
- 3) Install the upper guard grab handles onto the upper guard on each side using the ¼" capscrews and locknuts.
- 4) It is recommended to run an M10x1.25 tap into each of the mounting bosses on the cab to remove any paint from the threads. If a tap is not available, one of the M10x1.25 screws supplied in the kit will work as well.
- 5) Locate the right side (as viewed from operator's seat) mounting rail and install on the right side of the cab utilizing (2) 16mm M10x1.25 Flanged Hex Head Screws and a small dab of Loctite threadlocker. The flange should face outward and with the tapered portion down (Figure 1). Snug the bolts without fully tightening them.
- 6) Locate the left side (as viewed from operator's seat) mounting rail and install on the left side of the cab utilizing (2) 16mm M10x1.25 Flanged Hex Head Screws and a small dab of Loctite threadlocker. The flange should face outward and with the tapered portion down and the cutout placed around the glass washing nozzle (Figure 2). Snug the bolts without fully tightening them.
- 7) Locate the (2) 20mm M10x1.25 Flanged Hex Head Screws and remove the O-ring and spacer from each.
- 8) Place the 20mm M10x1.25 Flanged Hex Head Screws into the holes in the bottom corners of the lower guard and place a spacer followed by an O-ring on each screw on the backside of the lower guard. The spacer provides clearance between the lower guard and cab and the O-rings help keep the spacers on the screws during assembly. Apply a dab of threadlocker to each screw.
- 9) Locate the (2) 20mm M10x1.25 Flanged Button Head Screws and the lower guard.
- 10) Have a helper place the top of lower guard on the lower portion of the mounting rails. The mounting rails should be on the inside of the lower guard.
- 11) Apply a dab of threadlocker to each of the 20mm M10x1.25 Flanged Button Head Screws and install them through the sides of the flanges on the lower guard and into each mounting rail (Figure 3). Do not tighten the screws at this time.
- 12) Thread the 20mm M10x1.25 Flanged Hex Head Screws from step 8 into the bosses on the cab (Figure 3). It may be necessary to raise or lower the guard to assure alignment with the bosses. Tighten the lower screws.
- 13) Tighten the 20mm M10x1.25 Flanged Button Head Screws installed during step 11.
- 14) Paying attention to the 4 slots on the edge of the upper guard side flanges, align the upper guard with the 4 mounting pins on the mounting rails. Assuring that all four slots are aligned, push the upper guard toward the cab until it stops and then pull it downward until it is seated fully on the mounting pins. The mounting rails should be on the inside of the lower guard on each side. Due to manufacturing variations of the boss locations, it may be necessary to adjust the mounting rails side to side to achieve proper alignment. Once the upper guard is fitted to the mounting rails, remove the upper guard and perform final tightening of the (4) 16mm M10x1.25 Flanged Hex Head Screws installed in steps 5&6.
- 15) Reinstall the upper guard and secure it using the (2) upper guard retention knobs installed into the mounting rails.
- 16) Installation is now complete (Figure 4). If there is not risk of damage to the glass during the work being performed and you wish to remove the upper guard, simply remove each of the knobs and the upper guard. Once the upper guard is removed place the knobs back in the mounting rails so they are not lost.



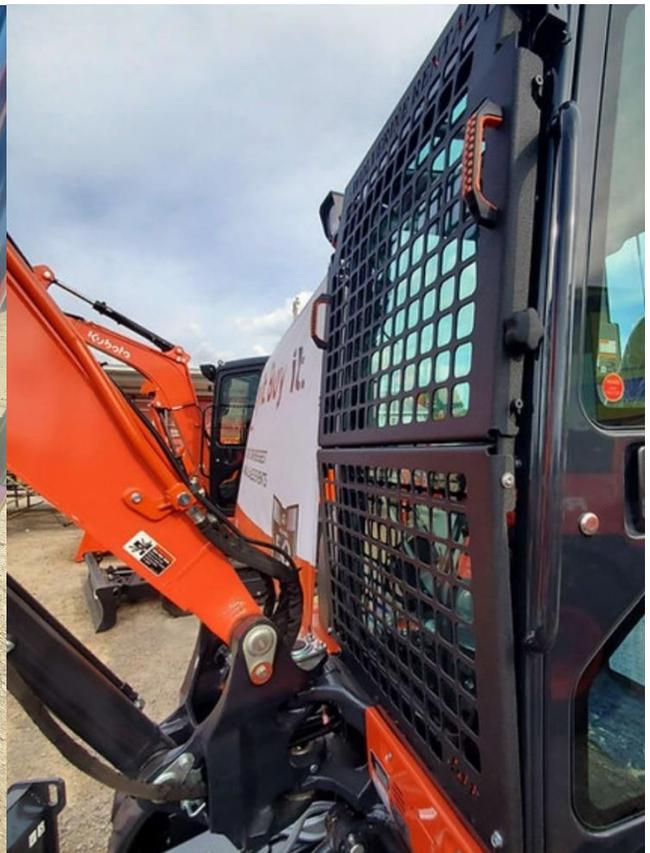
*Figure 1 Right Side Mounting Rail*



*Figure 2 Left Side Mounting Rail*



*Figure 3 Lower Guard Mounting Locations*



*Figure 4 Completed Installation*