



# INSTALLATION INSTRUCTIONS:

## R.O.P.S. UPGRADE FOR MZ AND ZT MODEL MOWERS

This upgrade is intended to be installed by a certified Bad Boy Dealership. Failure to have it installed at an authorized dealership could cause fatal injuries if installed incorrectly and releases Bad Boy Mowers from any liability.

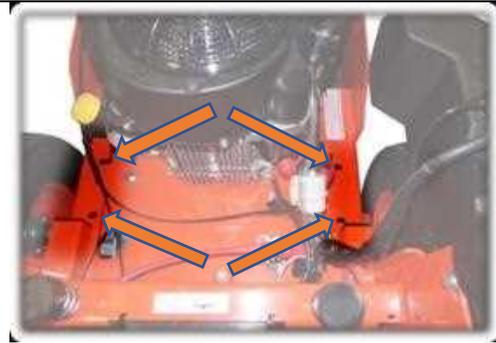
WARNING: Do not modify the ROPS structure in any way, This Roll Over Structure has been designed specifically for this machine and any modifications can affect its performance in the event of a roll over.

**Any mower with a ROPS installed MUST have the seat belt system installed prior to operation of mower!**

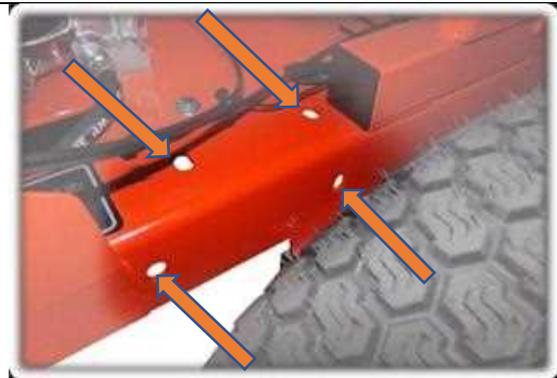


## STEP 1: Installing the ROPS.

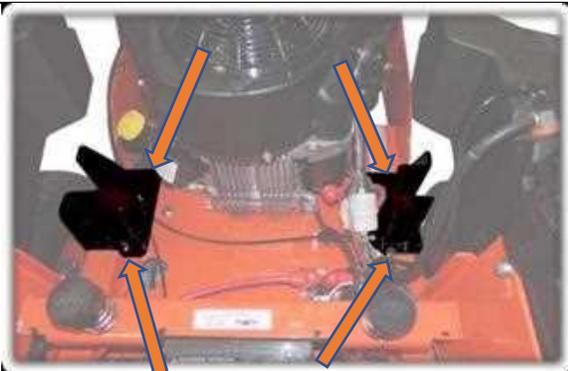
- Locate the mounting holes on the mower frame. (Figures 1a,1b)
- Mount the ROPS Frame Brackets to the Frame, by aligning the corresponding bolts and securing with the provided  $\frac{1}{2}$  x 1" GR8 Bolts and locking nuts (Figures 1c, 1d). The angled edge of the brackets should be set to the rear of the machine. Repeat on the other side of the mower.
- Insert the right and left side ROPS Legs into the frame brackets with the curvature going to the outside of the machine and the anti-rattle clips are facing the front of the machine. Align the corresponding holes and use the provided  $\frac{1}{2}$  x 3  $\frac{1}{4}$ " GR8 bolts with locking nuts. Repeat for the other side. (Figure 1e,1f)
- Install the Anti Rattle Clips (if not already installed) as shown, toward the front of the machine. (figure 1g)
- Install the top portion of the ROPS to the ROPS legs with the angled portion leaning toward the front of the machine. Align the corresponding holes and use the provided bolts ( $\frac{1}{2}$  x 3  $\frac{1}{4}$  and  $\frac{1}{2}$  x 3  $\frac{1}{2}$  with locking nuts) to attach it. NOTE: on one side or the other, the stop should be installed using the longer of the two bolts. (Figure 1j)
- Install the Retaining Pin as shown. Make sure the cable keeper is installed between the stop and the nut. (Figure 1k)



1a



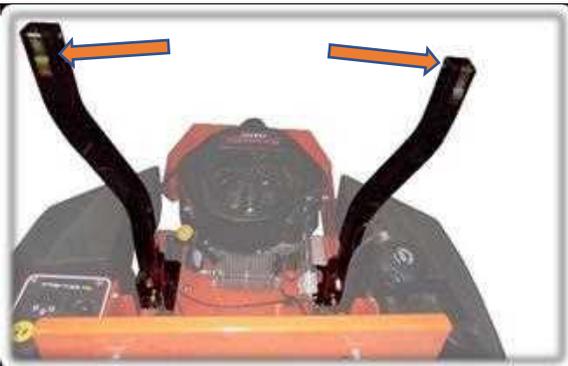
1b



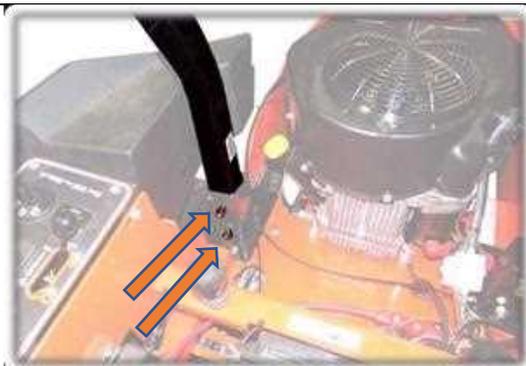
1c



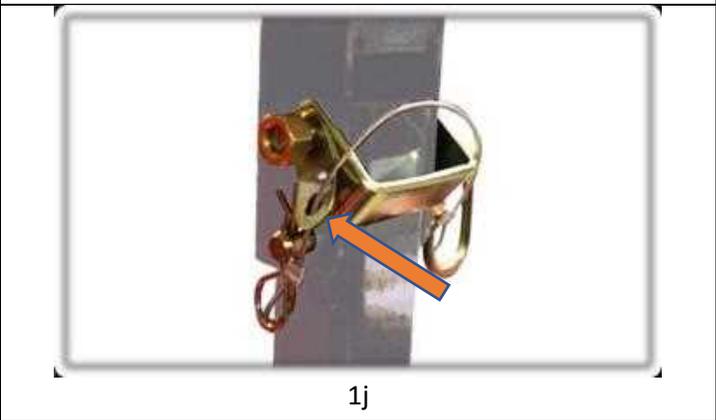
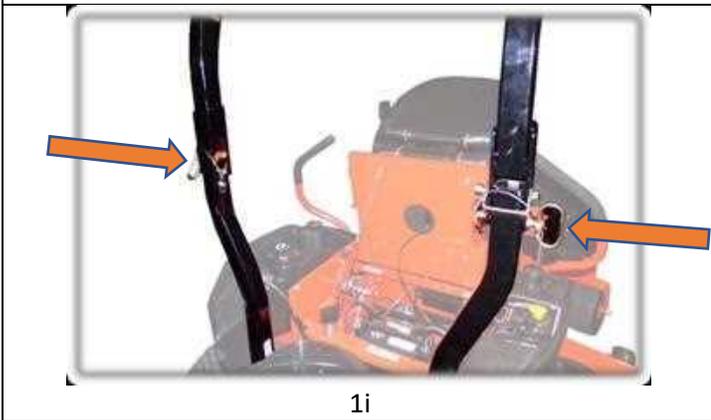
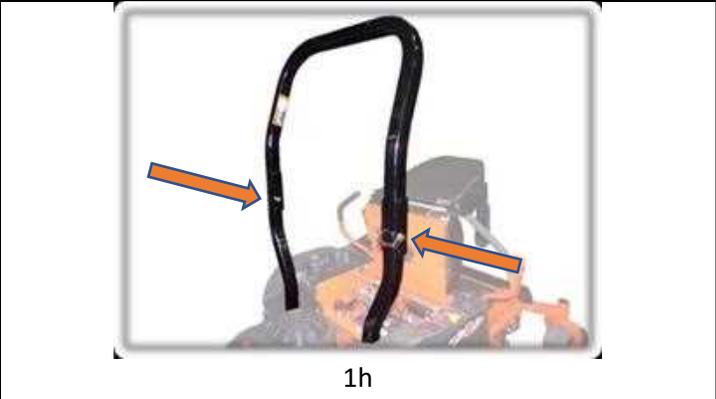
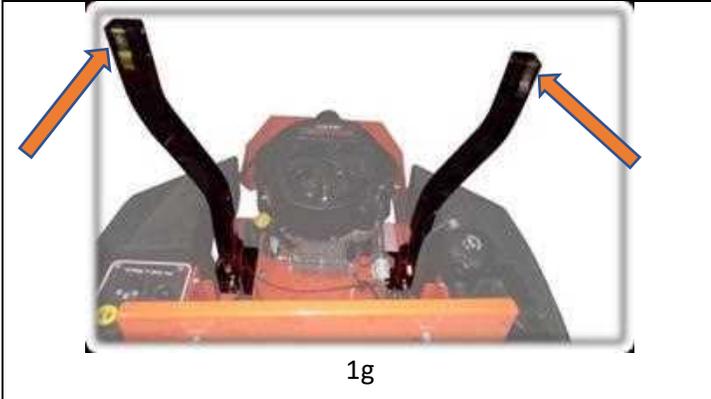
1d



1e



1f



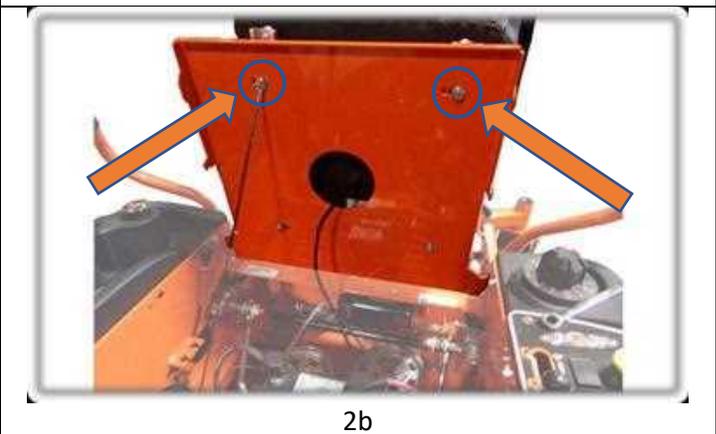
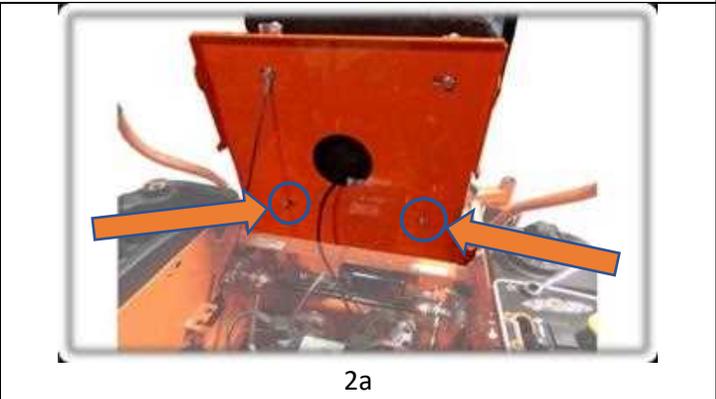
The following steps will be performed according to mower model.

#### STEP 2: INSTALLING THE SEAT BELT for ZT MODELS

- Slide the seat as far back as it will go.
- Loosen the front two nuts but do not remove. (Figure 2a)
- Remove and retain the rear two nuts. (Figure 2b)
- Remove and retain the bolts holding the seat to the track on both sides. (Figure 2c)
- Remove and discard the spacers. (Figure 2d)
- Set the Seatbelt with bracket in place of the spacers and align the corresponding holes. Set the bracket so that the female side of the seat belt is on the right side of the seat. (Figure 2e)

**NOTE:** The block of wood is wedged between the seat and the track to assist in this portion of the installation.

- Replace the bolts previously removed.
- Attach the seat back to the seat pan in its original position. (Figure 2f)
- Adjust and tighten all bolts.

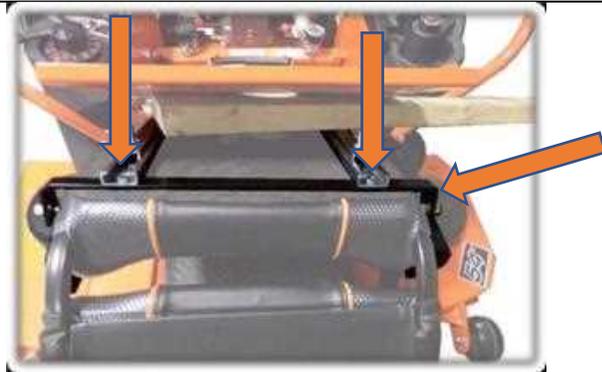




2c



2d



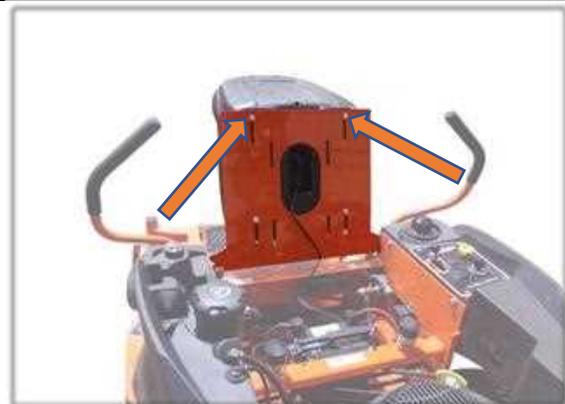
2e



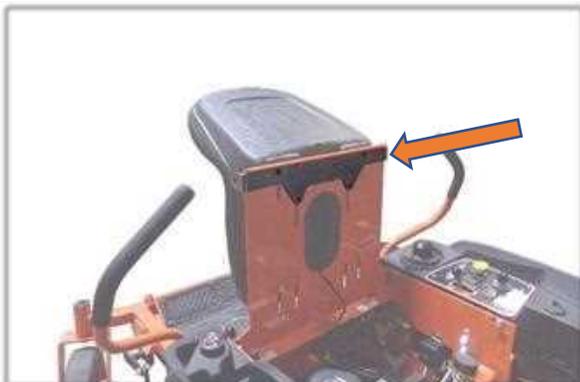
2f

**STEP 2: INSTALLING THE SEAT BELT for MZ MODELS**

- Remove and retain the two bolts indicated. (figure 2aa)
- Install the seatbelt bracket using the two bolts previously removed. (figure 2bb)
- Install the seatbelt receptacle and the seatbelt to the bracket. (figures 2cc and 2dd)



2aa



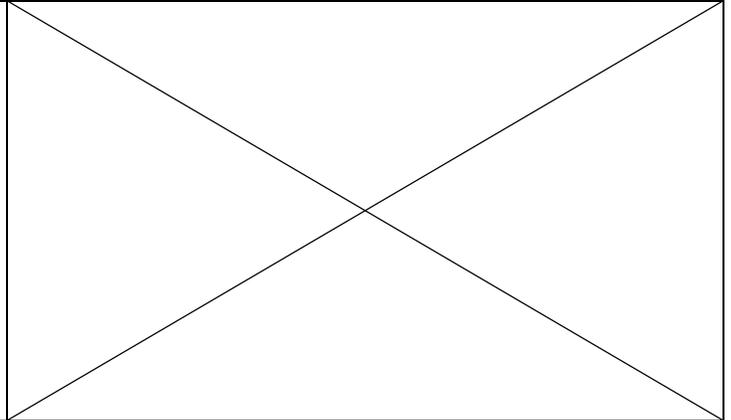
2bb



2cc

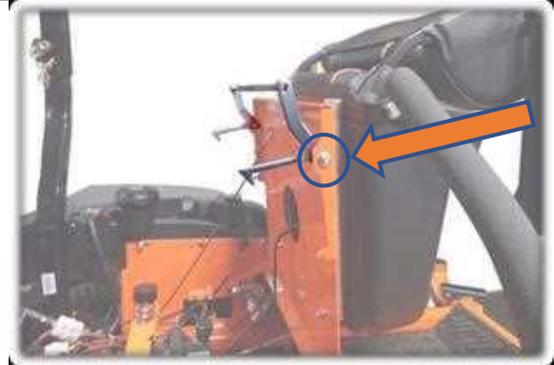


2dd

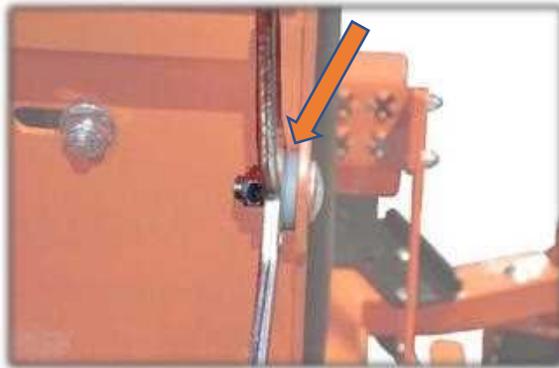


**STEP 3: INSTALLING THE SEAT LATCH for ZT MODELS**

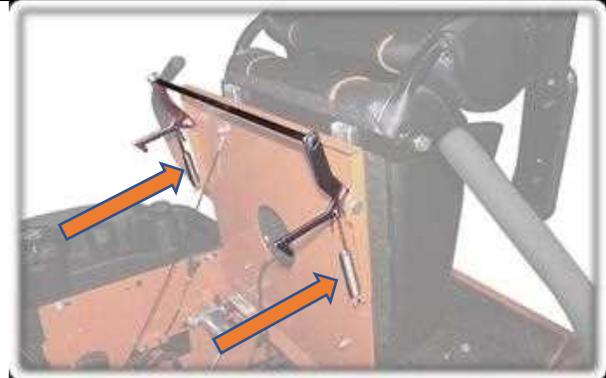
- Use the provided 5/16 x 1" carriage bolt along with the nylon spacer and the locking nut to attach the Hook Latch Bracket to the bottom of the seat pan. (Figure 3a).
  - Ensure that the nylon spacer is between the latch bracket and the seat pan. (Figure 3b)
- NOTE:** Tighten the nut just enough to pivot freely, but no space between the components.
- Install the return spring as shown. (Figure 3c)



3a



3b



3c

**STEP 3: INSTALLING THE SEAT LATCH for MZ MODELS**

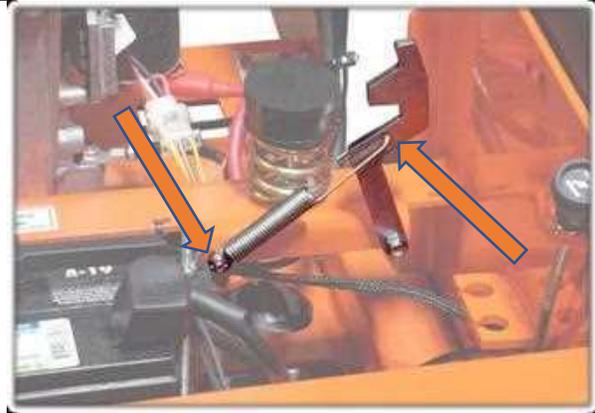
- Locate the holes on the seat bracket where the latch levers will be installed. (figure 3aa)
  - Using the provided 1/4-20 x 1" carriage bolts and locking nuts, install the seat latch levers as shown. (figure 3bb)
- NOTE:** Bolts should be tightened just enough that the latches rotate freely but snug enough that they do not rattle.
- Using the remaining 1/4-20 x 1" carriage bolts and locking nuts, add the spring to the latch levers on both sides.



3aa



3bb



3cc

**The installation is complete. Check all of the bolts for proper tightness. Check the seat belt for proper operation. Confirm that the seat properly latches.**