

Toro

4100 Boxer ROPS

Parts List & Mounting Instructions

Jodale • Perry

Printed: 2005/03

Prior to installing ROPS, please note the following which must be adhered to for safe vehicle operation.

WARNING:

Counter balance pressure should be adjusted per tractor's operator's manual recommendations. Do not exceed 550 psi with cab installed or machine stability will be adversely affected.

WARNING:

When cutting deck is put into service position, there is a chance of the deck contacting the cab if the deck is raised.

Toro 4100 Mounting Instructions

Standard Parts List

Qty	Description		Photo
L&R	Rear Brackets		
1	Platform Cover Plate		
1	Step Bracket		
L&R	Deck Pads w/UMHW Installed		
2	Cab Lift Brackets (2" Tube)		
2	3/8" Black Snap Caps		
8 FT	1/4" Fuel Hose		

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

Toro 4100 Mounting Instructions

Standard Bolts List

Qty	Description
2	Bolt, Hex, ½" x 3", Gr. 8, Yellow Dichrome
2	Bolt, Hex, ½" x 6 ½", Gr. 8, Yellow Dichrome
4	Bolt, Hex, 5/8" x 1 ½", Gr. 8, Yellow Dichrome
4	Washer, Lock, 5/8", Plated
4	Nut, Hex, Nylon Locking, ½", Gr. 8, Yellow Dichrome
4	Washer, Flat, Rubber, 9/16" x 2 ½"
4	Washer, Flat, Steel, 9/16" x 2 ½", Yellow Dichrome
2	Isolator, Rubber, 9/16" x 3"
2	Isolator, Rubber, 9/16" x 3" (Trimmed 2 opposite sides)
4	Bolt, Flange, ¼" x ¾", Yellow Dichrome
4	Nut, Flange, ¼", Macro-black
4	Washer, Flat, ½", Yellow Dichrome
4	Bolt, Carriage, 3/8" x 1", Yellow Dichrome
8	Nut, Flange, 3/8", Yellow Dichrome
4	Bolt, Flange, 3/8" x ¾", Yellow Dichrome
4	Bolt, Hex, 3/8" x 4", Yellow Dichrome

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

Toro 4100 Mounting Instructions

NOTE: Use the following torque specifications for all hardware: ½” hardware 73 ft-lbs, ¾” hardware 42 ft-lbs, 5/8” hardware 177 ft-lbs.

1. Prior to installing the cab, remove the overflow/breather pipe from the 2-post ROPS, then remove the 2-post ROPS from the machine. It will be necessary to remove the toolbox on the left side of the operator platform, save fasteners. It will be remounted inside of the cab in a new location later.

2. Take the left rear bracket, the mount support will be on the outside and rear of the bracket when installed, and slide it into the left 2-post ROPS mount slot. Take the 5/8” x 1 ½” hex bolts, re-use ROPS flat washers, and the 5/8” lock washers and loosely fasten the bracket into place. Do NOT torque brackets until after cab is installed. See Figure 1. Repeat for the right side. (Right Side has Extra Sheet Metal welded at top of bracket).



3. Take the platform cover plate and install it where the toolbox used to be with the original toolbox fasteners. See

Figure 2. Take the toolbox and place it onto the mounting brackets that are on the inside left of the cab. Take the ¼” x ¾” flange bolts and ¼” flange nuts and bolt the toolbox to the brackets.



4. Move to the ROPS frame now. Take the provided cab lift brackets and bolt through the holes in the upper A-C Crossmember just in front of the b-post. Using a chain or lifting strap, attach to the lift brackets and prepare to lift the cab off the shipping pallet. Un-bolt the shipping bracket and lift the cab.

5. NOW YOU ARE READY TO MOUNT THE CAB. Lift the cab over the machine and slowly lower towards the mounting plates. Place the two notched rubber isolators on the front operator platform crossmember where the holes are located. Place the other two isolators on the rear brackets. Ensure that the protrusion of the isolator fits into the cab mount plate when bolting the cab down. For the rear mounts, use one ½” x 3” hex bolt, steel flatwasher, rubber flatwasher, and ½” hex lock nut. Use the ½” x 6 ½” hex bolts for the front mounts. Lower

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

Toro 4100 Mounting Instructions

the cab down onto the isolators and start all four fasteners. Use the torque specifications for the rear brackets, and for all other cab mounts torque the mounts until the rubber compresses to a 7/8" gap between steel mounting plates.

6. Locate the fuel breather. Disconnect the hose clamp at the fuel tank and take provided 8 LF of fuel hose. Bend the hose in half and route down the top of the channel on the C-post. Use a tie to secure at the top of the channel and do not kink hose. Route one end of the hose into the hole in the rear bracket and route the other through the U-bracket on the right rear bracket to the connection on the fuel tank. Re-connect with factory hose clamp. See Figure 3.

Figure 3



7. Ensure that all decks are lowered to mowing height. Take the left deck stop bracket and position it onto the left wing deck. Remove the two deck mounting hardware. Place the bracket onto the deck arm, and fasten in place with the 3/8" x 4" hex bolts and nuts provided. See Figure 4.

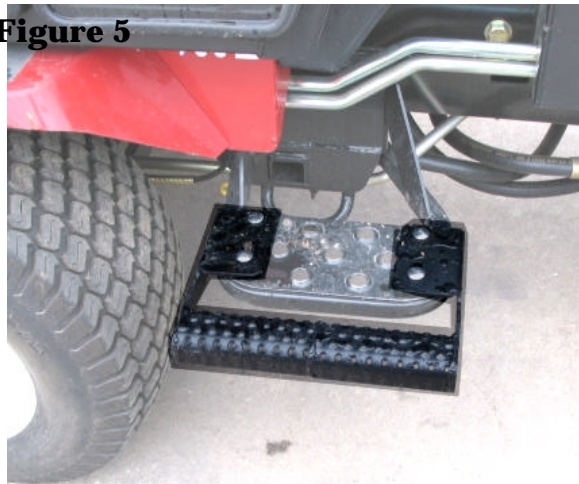
8. Repeat for the right side pad.

Figure 4



9. Take the step bracket, 1/2" flat washers, 3/8" flange nuts, 3/8" x 1" carriage bolts and go to the step on the tractor. Place the bracket over the step pad and use the fasteners and install the bracket as shown in Figure 5.

Figure 5



NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.