

Survivor[®] OTR Truck Scale

Side Checking Bumper Option

In some installations, trucks may need to make a turn to pull onto the scale, when leaving the scale or both. The *Side Checking Bumper Option* uses a rounded bolt to stop the scale from bumping into the pit wall and possibly causing damage to the scale. This option is not recommended for scales where the mounts will be grouted into place.



Manuals can be viewed or downloaded from the Rice Lake Weighing Systems website at www.ricelake.com/manuals

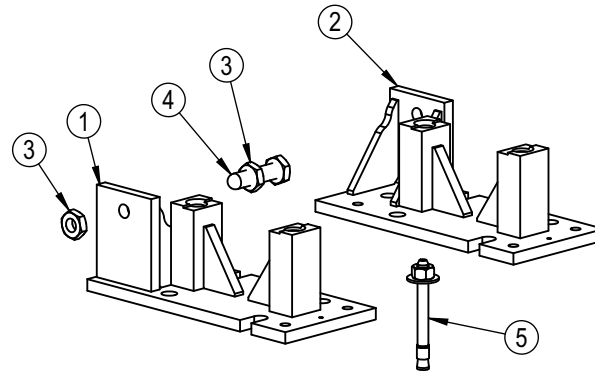


Figure 1. Side Checking Bumper Kit (PN 181505)

Item No.	Part No.	Description	Qty
1	100277	Base Weldment Left Hand, 75K OTR	1
2	100278	Base Weldment Right Hand, 75K OTR	1
3	14701	Nut, Jam 1-8NC HEX Steel	4
4	84468	Bolt, Bumper 1-8NC x4 Full	2
5	41973	Anchor, Concrete Ø 3/4	6

Table 1. Side Checking Bumper Kit Parts List

Recommended Equipment and Tools (Steel Deck)

- 3/4" rotary hammer drill
- 3/4" x 24" masonry carbide bit
- One low-profile 4-ton bottle jack
- 5 1/2" setting blocks
- Various thickness shims to level scale
- Torque wrench to 100 ft-lb
- Socket wrenches to 1 1/2" (drive compatible with torque wrench)
- Box end wrenches to 1 1/4"
- Open end wrench set (7/16" – 1 1/4")
- 4' bubble level
- Small torpedo level
- Hammers, maul, pry bar
- Hand tools for pulling and connecting electrical wiring



Installation

Use the following steps for installing the mount baseplates in the mount pockets:

IMPORTANT

If replacing standard mounts in an existing scale, remove the existing mounts prior to installing bumper bolt mounts. Retain existing anchor bolt hardware, load cells and ground strap for re-installation.

1. Install the truck scale per the installation manual and drawing supplied with the scale.

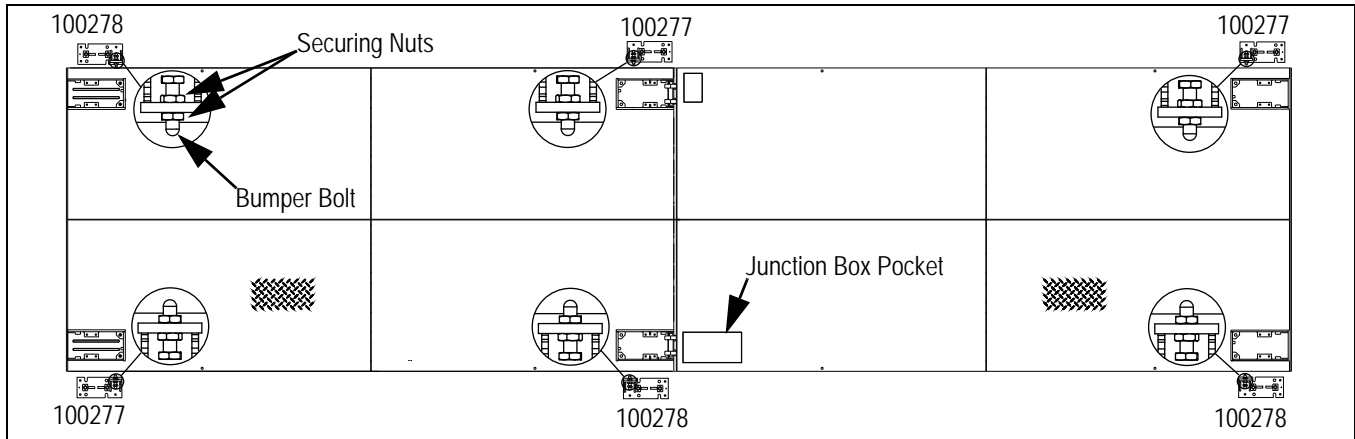


Figure 2. Mount Locations (for reference only)

2. Position one mount kit at each load cell pocket as shown in Figure 2. Also refer to the supplied drawings.
 - The bumper bolt must face toward the inside of the frame.
 - The bumper bolt must be at the end of the mount farthest from the end of the scale.
3. Ensure that the bumper bolt is installed in the mount with nuts securing it to the upright portion of the mount.

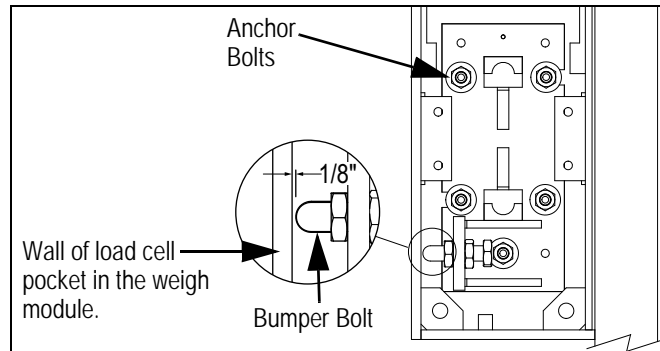


Figure 3. Bumper Bolt Clearance

4. If replacing mounts, align the new mount in the load cell pocket and mark the anchor bolt that does not line up with a slot in the base. Remove mount and cut the anchor bolt flush with the concrete. If it's a new install, proceed to next step.
5. Place mount in pocket, line up with the remaining anchor bolt. Ensure it is parallel with the side plate of the mount pocket.
6. Secure to the existing bolt with retained nuts and washers.
7. Drill holes for the anchor bolts, using the mount as a template. Be careful to avoid the conduit.
8. Adjust the bumper bolt so it is 1/8" from the inside wall of the weigh module pocket.
9. Install the load cells per the OTR Truck Scale manual.
10. Install the load cell pocket top plates.



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