



## Guide Runner Mounting Fasteners and Shims

### Issue

Proper installation and safety wiring of bolts and shims on the guide runner will prevent bolt failures and eliminate the possibility of falling objects such as shims, socket heads and washers.

### Immediate Action

1. Inspect the mounting fasteners on all guide runners (see Figure 1 below and Figure 2 on page 2).  
Check for loose or damaged bolts.

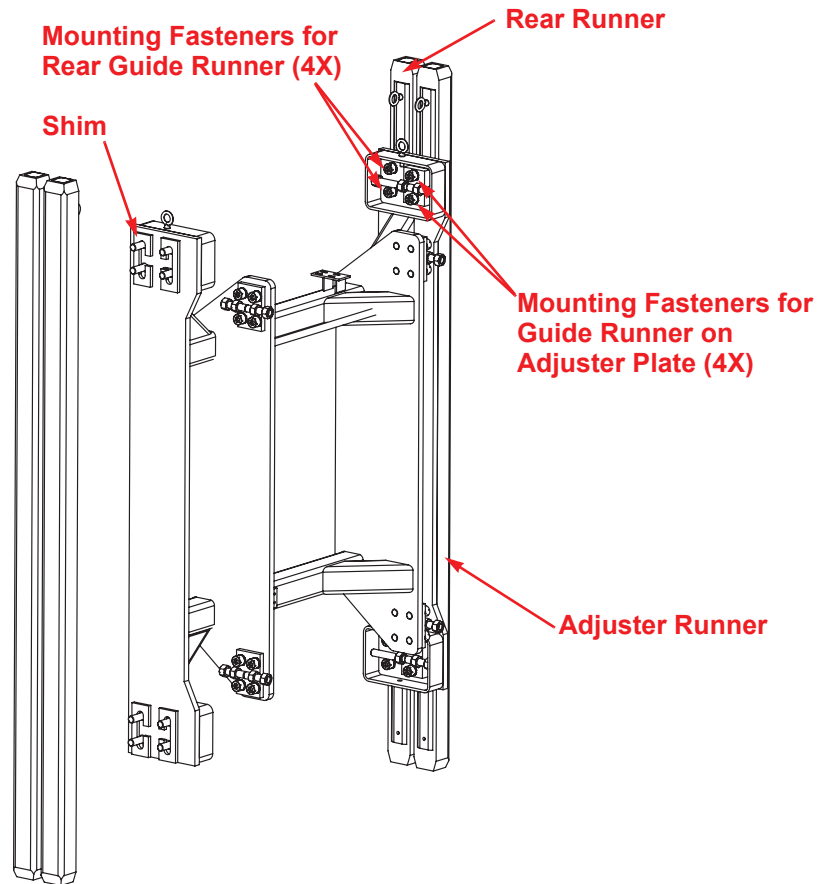


Figure 1: Guide runner assembly (fixed track)

**Alert**

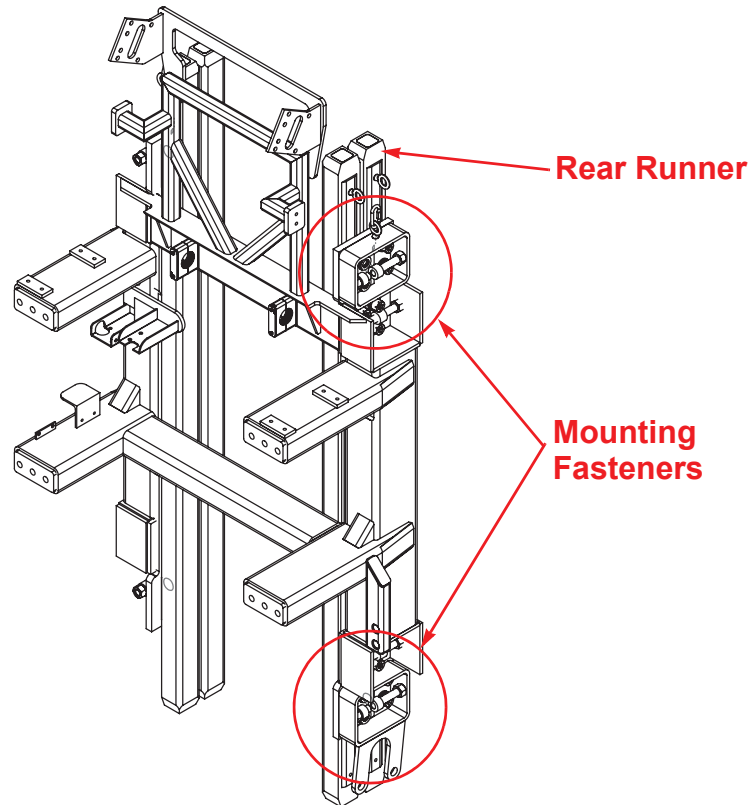
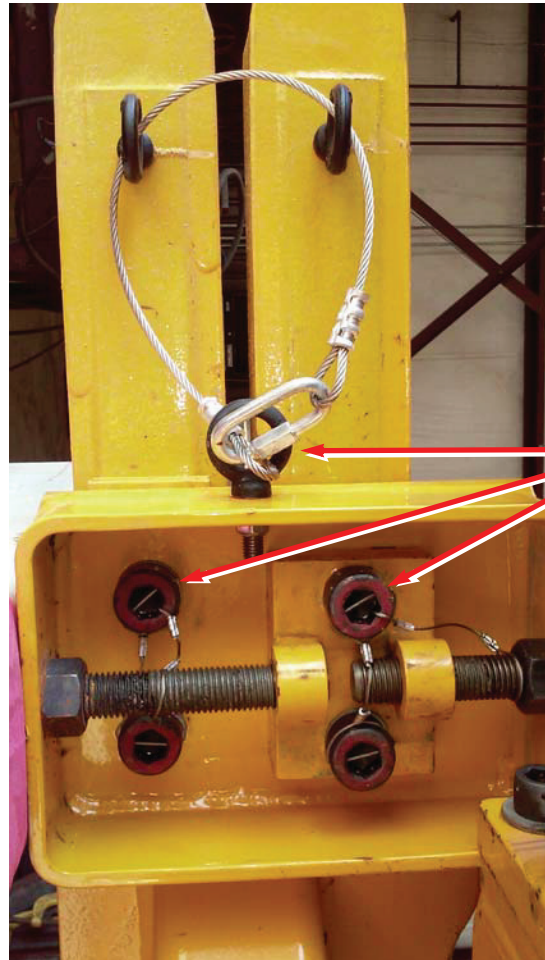


Figure 2: Guide runner assembly (conventional)

2. Ensure that the 1" guide runner bolts are properly torqued to 848 ft-lb. If necessary, remove the bolts and reinstall them using a torque wrench.
3. The number of shims installed (See Figure 1 on page 1) will affect the thread engagement of the bolts into the runner. The bolt thread should have at least 1.5" thread engagement in the runner. If the shims on the rear runner are more than 1.25" thick, use longer bolts. If the shims on the adjuster plate sides are more than 3/4" thick, use longer bolts.
4. If the shims on the rear runner side are less than 3/4" thick, the bolt will bottom out. Use shorter bolts. Canrig recommends SH-1000NC-0300-W. If the shims on the adjuster plate side are less than 1/4" thick, the bolt will bottom out. Use shorter bolts. Canrig recommends SH-1000NC-0400-W.
5. After installation, add safety wire to the bolts for secondary retention. See Figure 3 on page 3.

**Alert**



**Also Safety Wire  
Top Socket-head  
Bolts to the Eyelet**

Figure 3: Safety wire routing.

## Recommendation

Check for loose components daily using the guidelines described in the following sections of the top drive product manual:

- Subsection 3A: Top Drive Operation (Refer to the page titled “Jarring.”)
- Subsection 4A: Maintenance (Refer to the page titled “Maintenance Checklist.”)
- Subsection 4B: Inspection