

1. Disconnect all electrical items. Secure any load, trolley, and hoist during installation procedures.
2. Remove collector assembly (if applicable) and safety pin (retaining pin) from the mast pivot pin.
3. Raise the head assembly and place the lock ring between the mast pivot pin and the bottom of the head assembly. If the head assembly cannot be raised, cut the lock ring in half with a welding torch.
4. Center the lock ring on top of the mast assembly. Lower the head assembly until it is re-seated on the pivot bearing.
5. Re-install the collector pin and the retaining pin.
6. Drill 9/16" diameter holes in the head assembly side plates per assembly print for 1/2" diameter mounting hardware provided. **Note:** Required only if lock device is to be retrofitted on existing crane (in field).
7. Bolt mounting channels to head assembly. Reference the assembly print for orientation of the mounting channels.
8. Bolt vertical channel assembly to horizontal mounting channels. The vertical channel assembly contains the lock block and lock clamp. Position the vertical channel assembly so the lock clamp is closest to the floor.
9. Move the lock clamp handle until the lock block falls into the slot in the lock ring, located at the top of the mast assembly.
10. Rotate the crane to the desired locking position. **Note:** Unless otherwise specified, the slots on the lock ring are on a 30 degree offset. Be sure to orient the lock ring so crane will stop at the desired location(s).
11. Tack weld the lock ring into place. Test for accuracy. Once located, weld the lock ring into place using E70XX electrode and follow D14.1 welding specifications. Use a 1/4" fillet weld wherever possible and put a minimum of 6" of weld (total length) between the mast assembly and the lock ring.
12. Remove any restraining devices on the load, trolley and hoist.
13. Rotate the crane to check for any obstructions. The lock device assembly is now ready to use.