

RW0460-55 & RW0460-65 HOIST INSTALLATION INSTRUCTIONS

INSTALL KIT PARTS NEEDED FOR HOIST INSTALLATION:

- (4) ½" x 3 3/4" Anchor Bolts with Washers & Nuts (MFGR-WS-1236)
- (3) 90° 5/16" x ¼" Compression Fittings (MFG69X5X4)
- (3) Straight 5/16" x ¼" Compression Fittings (MFG68X5X4)
- (12.5 ft) Copper Overflow Tubing 5/16" (RW0043)

INSTALL KIT PARTS USEFUL FOR TESTING:

- (1) Air Regulator (RW0039)
- (1) Gauge (RW0039-2)
- (1) Test Valve (RW0280-49)
- (12.5 ft) Amber Latex Hose (RW0046-25)

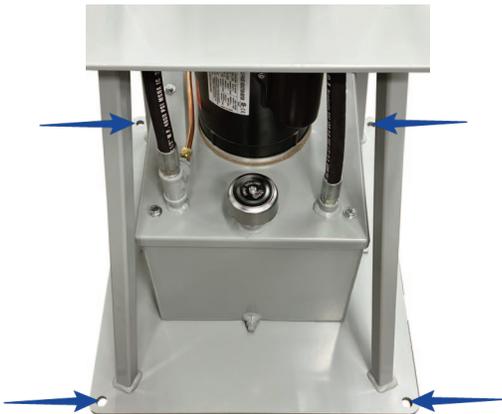


PLEASE REFERENCE LOCAL REGULATIONS FOR ANY SPECIFIC INSTALL OR ANCHORING REQUIREMENTS.

HOIST INSTALL STEPS:

STEP 1. Locate permanent position of hoist to be anchored into concrete.

STEP 2. Using the hoist base plate as a template, mark the location on the floor of the 4 holes to be drilled for the anchors.



STEP 3. Using appropriate tooling for concrete, drill holes with a ½" bit and approximately 2 1/8" deep. Clean debris from holes. **NOTE:** Do NOT drill as deep as the anchor bolts are long. Enough bolt needs to stick out to pass through the base plate.

STEP 4. Install anchor bolts into the floor. Anchor bolts will stick out ~ 1 5/8". Circled end goes into floor.



HOIST INSTALL STEPS CONT'D:

STEP 5. Place hoist onto anchor bolts and level the hoist. Shim if necessary with washers (not provided) on the anchor bolts underneath the hoist base. **NOTE:** Hoist cylinder must be mounted perfectly vertical to avoid undue wear on bushings.

STEP 6. Install washers and nuts on the anchors and torque to 55 ft-lbs. Do NOT use an impact wrench when tightening the nuts.



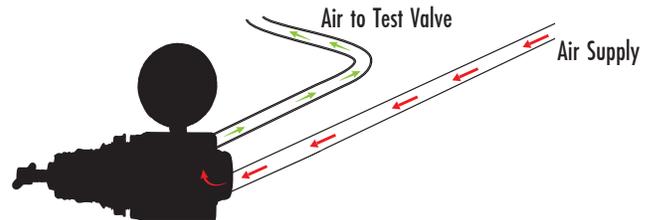
STEP 7. Position arm on shaft and torque the two 3/8" - 16 bolts to 26 ft-lbs.



STEP 8. Remove cotter pin, nut, washer, and spring. Attach arch lock bolt through arm. Replace spring, washer, nut, and cotter pin.



STEP 9. The following diagram shows how the air supply can be plumbed for the test equipment. **NOTE:** Optimum performance is achieved at 150 psi air pressure.



MAINTENANCE TIPS:

- When not in use, keep the arch assembly out of water and in the lowest position possible.
- Lubricate all moving parts and the shaft with oil or water repellant grease. Grease zerks are provided on the arm above the brake assembly and on the pivot plates just below the arch on both sides.



- Oil seepage at the top of the cylinder indicates a worn piston cup seal. See replacement instructions at www.northernradiator.com/resources/hoistbushings
- Oil in reservoir may periodically accumulate moisture. Remove contaminated oil, properly dispose, and replace it with new ISO 32 hydraulic fluid.