SHOCKWAVE WITH DETACHABLE SIDE PANEL

(100 Series) Four Post Surface Mounted Lift
Capacity 14,000 lbs. (7,000 lbs. per axle)
1. **Power Unit:**

   **Note:** The mounting bracket has 2 sets of holes for mounting the power unit and control cabinet to either the front or side of the column. Use the appropriate holes for mounting based on customer’s preferred power unit/control cabinet location, Fig. 5.

   **A.** Put the (4) 5/16”-18NC x 1” HHCS thru holes in the power unit bracket using push-nuts to hold in place, Figure 2.

   **B.** Install splash shield and mount power unit with motor up to the column bracket and install 5/16” nuts, Figure 2. Be sure splash shield is behind lip on power unit.

   **C.** Run hydraulic hose from runway through slot in side of runway to power unit, Fig. 1. DO NOT use Teflon tape on hydraulic hose connections. Clean elbow and hose. Inspect all threads for damage and hose ends to be sure they are crimped. Install and hand tighten hose to pump until O-ring is seated and elbow should be oriented downward at approximately 45°, Fig. 1. Tighten locknut to 35-40 ft. lbs.
2. **DC Control Cabinet:**

A. First, remove front plastic covers and lower cover, Figure 3, and set aside to be reinstalled later.

B. Secure the DC control cabinet by mounting it to the cabinet mounting bracket, Fig. 5. Fasten the cabinet and FRL bracket using the included (4) 5/16"-18NC x 1” long bolts, (4) 5/16” USS flat washers and (4) 5/16"-18NC flanged lock nuts, Fig. 5.

C. Remove the cable and latch bar nuts and washers from on top of the power unit column. Mount DC control cabinet by sliding the cabinet from the top of the power unit. Slide the back wall of the cabinet around the power unit splash shield that is mounted between the motor and power unit wall mounting bracket, Figure 4. Place mounting bracket over latch bar and cable studs.
3. Install the latch bar and cable nuts and washers.

Note: FRL bracket can be mounted to either side of the cabinet based on the customer’s preference.

4. Lowering Valve Bracket:

A. First, attach brass filter and swivel elbows to the air valve, Fig. 7.

B. Mount the air valve to the lowering valve bracket using the included #8-32NC x 1-1/2” screw, washer and nut. Attach the handle to the air valve lever.

C. Next, attach the lowering valve bracket to the underside of the control cabinet, see Fig. 7. Fasten the bracket using the included (2) 1/4”-20NC x 1/2” long button head cap screws and (2) 1/4”-20NC flanged locknuts, Fig. 7.

Note: FRL bracket can be mounted to either side of the cabinet based on the customer’s preference.
ATTACH LOWERING VALVE BRACKET WITH 1/4"-20NC x 1" BHCS AND 1/4"-20NC FLANGED LOCKNUTS

ATTACH AIR VALVE TO BRACKET USING #8-32 x 1-1/2" RHMS, #8 WASHER AND #8-32 NYLON LOCKNUT

ATTACH ELBOW ADAPTERS AND FILTER TO AIR VALVE

ATTACH HANDLE TO AIR VALVE LEVER

MOUNT DC CONTROL CABINET AND FRL MOUNTING BRACKET USING 5/16"-18NC x 1" LONG BOLTS, 5/16"-18NC FLANGED LOCKNUTS AND 5/16" USS FLAT WASHERS

NOTE: COLUMN IS HIDDEN

SEE DETAIL A

ATTACH LOWERING VALVE BRACKET WITH 1/4"-20NC x 1/2" BHCS AND 1/4"-20NC FLANGED LOCKNUTS

1/4" AIRLINE

1/4" PUSH-IN 1/4 NPT FITTING

INLINE FILTER

ATTACH ELBOW ADAPTERS AND FILTER TO AIR VALVE

1/4" AIRLINE TO LIFT

1/4" AIRLINE

DETAIL A
5. **Group 24 Batteries:** (2) 12 volt group 24 car batteries are required to operate the lift and are not included. The batteries must be mounted inside the cabinet using the included battery trays.

<table>
<thead>
<tr>
<th></th>
<th>Normal Operation and Life</th>
<th>High Use (15 minutes or less between lift cycles) or increase in life under normal use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery Type</strong></td>
<td>Standard Lead Acid</td>
<td>Absorbed Glass Mat (AGM) Technology</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>12V</td>
<td>12V</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>Group 24</td>
<td>Group 24</td>
</tr>
<tr>
<td><strong>Cold Cranking Amps</strong></td>
<td>525</td>
<td>710</td>
</tr>
<tr>
<td><strong>Terminal Location</strong></td>
<td>Top</td>
<td>Top</td>
</tr>
</tbody>
</table>

**Note:** If a single battery fails during use the system should be evaluated to determine if the second battery should be replaced at the same time to avoid down time at a later date due to issues with the battery.

**Note:** Use parts box labeled "FA9190" and follow included instructions. When completed continue to step 6.

6. **Charger Cable:** Plug the male end of the 10 foot charger cable into the receptacle on the back of the DC control cabinet. Plug the other end into a 120 volt 15 amp receptacle. Check to make sure the charger lights are on. If charger lights are not on, flip switch on back of charger.

**CAUTION:** Never operate the motor on line voltage. Motor damage may occur.

**LIFT ELECTRICAL INPUT:** 110-120 Volt, 60 Hz, 3.15 Amps
7. **Close DC Control Cabinet**: Re-attach the front plastic covers to the DC control cabinet using the same button head cap screws, Fig. 9.

8. **Laser Spotter**: Mount the laser using the instructions included with the laser spotting kit.

9. **Plug-in Laser**: Plug the laser into a 120 volt 15 amp receptacle.

10. **Hydraulic Fluid Filling**: System capacity is fourteen (14) quarts. Use Dexron III ATF. Remove fill/breather, Fig. 10. Pour in fourteen (14) quarts of fluid. Replace fill/breather. Start motor and raise lift to full rise. Lower onto latches.

    **Note**: If fill/breather, Fig. 10, is lost or broken, order replacement.
Installer: Please return this booklet to literature package, and give to lift owner/operator.

Thank You

Trained Operators and Regular Maintenance Ensures Satisfactory Performance of Your Rotary Lift.

Contact Your Nearest Authorized Rotary Parts Distributor for Genuine Rotary Replacement Parts. See Literature Package for Parts Breakdown.