SPO12
Standard/Hummer/Sprinter
Two Post Surface Mounted Swing Arm Frame Engaging Lift
Standard (500/700 Series) Capacity: 12,000 lbs.
Hummer (5W0/7W0 Series) Capacity: 12,000 lbs.
Sprinter (5A0/7A0 Series) Capacity: 9,000 lbs.

⚠️ IMPORTANT
Reference ANSI/ALI ALIS, Safety Requirements for Installation and Service of Automotive Lifts before installing lift.
SPO12 Standard (500 Series) & SPO12 Sprinter (5A0 Series)
SPO12 Standard (700 Series) & SPO12 Sprinter (7A0 Series)

Note: See Pg. 3 for Hummer (5W0/7W0 Series) Lifts.

ATTENTION: Continue to page 7 for SPO12 standard installation.
SPO12 Hummer Supplement Instructions

**IMPORTANT** If you have ordered a SPO12 Hummer Lift (5W0/7W0 Series) these figures **MUST** be used in place of the standard instruction figures on page 2.

![Diagram of SPO12 Hummer Lift (5W0 Series)](image)

- **Left Rear**
  - APPROACH
  - 12'-10 5/8"
  - 56"
  - (14) 3/4" Anchors

- **Right Front**
  - 7'-0" minimum to nearest obstruction or bay. 8'-0" minimum to nearest wall.
  - 13' minimum to nearest obstruction

**Fig. 1a**

**SPO12 Hummer Lift (5W0 Series)**

**SPO12 Hummer Lift (7W0 Series)**
SPO12 Hummer Supplement Instructions

**IMPORTANT** If you have ordered a SPO12 Hummer Lift (5W0/7W0 Series) these figures MUST be used in place of the standard instruction figures on pages 7 & 8.

**WARNING** DO NOT install this lift in a pit or depression due to fire or explosion risks.

---

1 Phase Lifts

- **Overhead Assembly**
  - 13'-11 1/2” Top Overhead Assembly (14'-11 1/2” EH1)
  - **Mounting Bracket**
  - 3/8”-16NCx3/4” HHCS & Flanged Locknut
  - **Tie Bar** - use (2) 3/8”-16NCx3/4” Fl. HHCS
  - Use (2) 3/8”-16NCx1/2” Fl. HHCS in front and (2) in the back

**Fig. 4**

- **1/4”-20NC x 2-3/4” HHCS & 1/4” Locknut**
- **2 Spacers**
- **(4) 3/8”-16NC x 1” Flanged HHCS and Flanged Nuts**
- **Star Washer This Side**
- **Spacer**

**Fig. 6**
If you have ordered a SPO12 Sprinter Lift (5A0/7A0 Series) these anchoring instructions MUST be used instead of the standard anchoring instructions on page 7.

**FOR 3000 PSI CONCRETE**

**Concrete and Anchoring:** Concrete shall have a compression strength of at least 3,000 PSI and a typical slab thickness of 5-1/2” to 6”. In order to achieve required anchor loads, a minimum concrete thickness of 4-7/8” and anchor embedment of 3-3/4” is required at each anchor location.

Use longer anchor bolts if necessary to assure proper embedment. Shimming may dictate this.

If the top of the anchor exceeds 1-3/4” above floor grade, you do not have enough embedment.

---

**Installation torque of 150 ft-lbs. is required for all anchor bolts.**
Concrete and Anchoring: Concrete shall have a compression strength of at least 4,000 PSI and a typical slab thickness of 5-1/2” to 6”. In order to achieve required anchor loads, a minimum concrete thickness of 4-1/2” and anchor embedment of 3-1/2” is required at each anchor location.

Use longer anchor bolts if necessary to assure proper embedment. Shimming may dictate this.

If the top of the anchor exceeds 2” above the floor grade, you DO NOT have enough embedment.

**FOR 4000 PSI CONCRETE**

A) Concrete Thickness & Hole Depth 4-1/2” (114mm)
B) Edge Distance 4-3/4” (121mm)
C) Hole Spacing 6-1/2” (165mm)

**Installation torque of 150 ft-lbs. is required for all anchor bolts.**
1. **Lift Location**: Use architects plan when available to locate lift. Fig. 1a shows dimensions of a typical bay layout.

**Lift Height**: See Fig. 4 for overall lift height of each specific lift model. Add 1” min. to overall height to lowest obstruction.

**WARNING** **DO NOT** install this lift in a pit or depression due to fire or explosion risks.

2. **Latch Cable Guides**: Install the latch cable conduit guide brackets to column extensions with (1) 1/4”-20NC x 1” HHCS and 1/4”-20NC Flanged Locknuts, Fig. 5. HHCS should go through hole nearest the edge as shown, Fig. 5.

3. **Column Extensions**: While column is on the ground, install column extensions using (4) 3/8”-16NC x 1” lg. Carriage Bolt and Flanged Locknut, Fig. 4 & Fig. 1b. Use (2) 3/8”-16NC x 2-1/2” lg. Carriage Bolt and Flanged Locknut to attach the tie bar and the column extension together at the column’s uppermost holes, Fig. 4. The tie bar is positioned on the outside of the column extension. Adjust the column extensions plumb.

4. **Lift Setting**: Position columns in bay using dimensions shown in Fig. 1a. Place column with power unit mounting bracket on vehicle passenger side of lift. Both column base plate backs must be square on center line of lift. Notches are cut into each base plate to indicate center line of lift.

Use appropriate equipment to raise carriage to first latch position. Be sure locking latch is securely engaged.

**IMPORTANT**: All star washers are to be mounted on the right side column to ensure grounding of overhead limit switch. Star washers are not needed when mounting to left side column. Notice the column extension mounting, Fig. 4 and overhead limit switch mounting as well in Fig. 4 & Fig. 6.

**NOTE**: If more than 2 horseshoe shims are used at any of the column anchor bolts, pack non-shrink grout under the unsupported area of the column base. Insure shims are held tightly between the baseplate and floor after torquing anchors.

**Fig. 2**

**Installation torque of 150 ft-lbs. is required for all anchor bolts.**

**Fig. 3**

**NOTE**: See Pg. 5 & 6 for Sprinter (5A0/7A0 Series) Lifts

**Fig. 4**

**Note: See Pg. 3 for Hummer (5W0/7W0 Series) Lifts**
5. Concrete and Anchoring:

**IMPORTANT** Reference IN20294 if Sprinter long arms are going to be used for this installation or if the lift will possibly be retro-fit with them in the future. Different concrete and anchoring requirements are required.

Concrete and Anchoring: Concrete shall have a compression strength of at least 3,000 PSI and a typical slab thickness of 5-1/2” to 6”. In order to achieve required anchor loads, a minimum concrete thickness of 4-1/4” and anchor embedment of 3-1/4” is required at each anchor location. When using the standard supplied 3/4” x 5-1/2” lg. anchors, if the top of the anchor exceeds 2-1/4” above the floor grade, you DO NOT have enough embedment.

Drill (14) 3/4” dia. holes in concrete floor using holes in column base plate as a guide. See diagrams for hole depth, hole spacing, and edge distance requirements.

**CAUTION** DO NOT install on asphalt or other similar unstable surfaces. Columns are supported only by anchors in floor.

**IMPORTANT:** Using the horse shoe shims provided, shim each column base until each column is plumb. If one column has to be elevated to match the plane of the other column, full size base shim plates should be used (Reference Shim Kit). Recheck columns for plumb. Tighten anchor bolts to an installation torque of 150 ft-lbs. Shim thickness MUST NOT exceed 1/2” when using the 5-1/2” long anchors provided with the lift.

If anchors do not tighten to 150 ft-lbs. installation torque, replace concrete under each column base with a 5’ x 5’ x 6” thick 3000 PSI minimum concrete pad keyed under and flush with the top of existing floor. Let concrete cure before installing lifts and anchor.

6. Overhead Assembly: Adjust overhead to 114” between centerline of sheave pins, Fig. 6. Install (4) 3/8”-16NC x 2-3/4” Flanged HHCS & Flanged Locknuts, do not tighten. Install overhead stiffener angle inside center of overhead using (4) 3/8”-16NC x 1” Flanged HHCS and Flanged Locknuts, see Fig. 6. Slide switch box over switch bar ensuring lockout holes face the power unit column. Use (2) 1/4”-20NC x 2-3/4” lg. HHCS, (2) flat washers, (2) 3/4” spacers, and (2) 1/4” star washers and nuts to mount switch box to overhead, Fig. 7a.
Note: See Pg. 4 for Hummer (5W0/7W0 Series) Lifts.

1 & 3 Phase Lifts

(2) 3/8"-16NC x 3/4" HHCS & Flanged Locknut

(4) 3/8"-16NC x 1" Flanged HHCS and Flanged Nuts

Switch Box Side

Lock Nut

Star

Washer

This Side

11-3/4"

(2) Spacers

1/4"-20NC x 2-3/4" HHCS & 1/4" Locknut

1/4"-20NC x 2-3/4" HHCS, Flat Washer, and Nut

114"

Open Bar Side

1/4" Lock Nut

2 Spacers

1/4"-20NC x 2-3/4" HHCS

HOLE DETAIL

SPO12

Hardware Detail For Overhead Assembly
7a. **For single phase lifts:** Insert (2) 1/4"-20NC x 2-3/4" HHCS through pivot hole in end of switch bar. Insert opposite end of bar through slot in switch mounting bracket. Then add spacers between the limit switch box and the overhead, Fig. 6, using (2) spacers and 1/4"-20NC Locknut. Tighten Hex bolt leaving 1/16” gap between the spacer and the overhead assembly.

7b. **For three phase lifts:** Remove Limit Switch cover, Fig. 7b. Insert Actuator end of Switch Bar into slot located inside Limit Switch, Fig. 7c. A small amount of silicone sealant on the lower part of the actuator will help hold it in place. Insert 1/4"-20NC x 2-3/4" HHCS through pivot hole in end of Switch Bar. NOTE which hole to use, Fig. 6. Then secure HHCS and Switch Bar to overhead as shown, using (2) 3/4” spacers and 1/4"-20NC Locknut. Tighten Hex bolt leaving 1/16” gap between the spacer and the overhead assembly, Fig. 6. Replace limit switch cover.

8. **Overhead:** Install overhead assembly to Mounting Bracket with (2) 3/8"-16NC x 3/4” Flanged HHCS, (2) 3/8-16NC flanged locknut, Fig. 7d. Ensure limit switch box is mounted on power unit side. Tighten bolts at center of overhead assembly.

9. **Power Unit:** First install (1) star washer onto one of the (4) 5/16"-18NC x 1-1/2" HHCS. *This is very important for grounding.* Put the (4) 5/16"-18NC x 1-1/2" HHCS thru holes in power unit bracket using Push-Nuts to hold in place, Fig. 8a. Mount unit with motor up to column bracket and install (4) 5/16” star washers and 5/16” Nuts. Install and hand tighten Branch Tee to pump until O-ring is seated. Continue to tighten the locknut to 10-15 ft-lbs., or until the nut and washer bottom out against the pump manifold. **NOTE:** You may still be able to rotate the Branch Tee. This is acceptable unless there is seepage at the O-ring. If so, slightly tighten the locknut.
On one bolt, place (2) 5/16" Star Washers.

Push nuts hold bolts to brackets.

Fill Breather Cap

Use (4) 5/16"-18 NC x 1-1/2" lg. HHCS and Nuts.

CAUTION

Over tightening locknut may tear O-ring or distort threads in pump manifold outlet.

10. Hoses: Clean adapters and hose. Inspect all threads for damage and hose ends to be sure they are crimped, Fig. 8b. Install hose and hose clamps, Fig. 9a & Fig. 9d.

Flared Fittings Tightening Procedure

1. Screw the fittings together finger tight. Then, using the proper size wrench, rotate the fitting 2-1/2 hex flats.

IMPORTANT

Flare seat MUST NOT rotate when tightening. Only the nut should turn.

2. Back the fitting off one full turn.

3. Again tighten the fittings finger tight; then using a wrench, rotate the fitting 2-1/2 hex flats. This will complete the tightening procedure and develop a pressure tight seal.

CAUTION

Overtightening will damage fitting resulting in fluid leakage.

Adapter & Hose Installation (see Fig. 9a)

1. Install Pc. (2) with hose clamps, on power unit column side connecting it to the cylinder (1) first.

2. Install Pc. (3) with hose clamps starting at left column cylinder (5) and working toward the right column. All excess hose should be at bends & inside overhead assembly.

3. Install Pc. (4) into power unit.

4. Connect Pc. (2) & Pc. (3) to Tee (4).

NOTE: Route Power Unit hose inside columns using slots provided at column base, Fig. 9b. Route Overhead Hose in column channel on outside of column, Fig. 9b. Overhead hose goes over top end of overhead assembly, Fig. 11a.

11. Equalizing Cables

A) Refer to Fig. 10a for the general cable arrangement. First, run a cable end up through the small hole in the lower tie-off plate. Fig. 10b.

B) Push the cable up until the stud is out of the carriage top opening.

C) Run a nylon insert locknut onto the cable stud so 1/2" (13mm) of the stud extends out of the locknut.

D) Pull the cable back down. Fig. 10b

E) Run cable around the lower sheave, then up and around overhead sheave and across and down to the opposite carriage. Fig. 10a.
NOTE: Overhead hose crosses and runs down approach side of left column to cylinder.

---

**F) Fasten the cable end to the carriage upper tie-off bracket. Tighten the locknut enough to apply light tension to the cable.**

**G) Repeat procedure for the second cable. Complete lift assembly. Adjust the tension of both cables during the final adjustments.**

---

**12. Locking Latch Cable**

A) Install latch cable sheave and retaining rings in upper slot of power unit column as shown, Fig. 11c.

B) Slip loop end of cable over end of shoulder screw on right side latch control plate, Fig. 11c.

C) Feed the other end of the cable through the latch cable sheave slot making sure that the cable is running under the bottom side of the latch cable sheave and inside the right column, Fig. 11c.

D) Attach latch cable conduit guide brackets to overhead as shown, Fig. 11a & Fig. 11b. Always use the holes on the approach side of the lift. HHCS should be in hole nearest the center of the overhead, Fig. 11b.

---

**ITEM QTY. DESCRIPTION**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Hydraulic Cylinder</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Power Unit Hose</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Overhead Hose</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Branch Tee</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>Hose Clips</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>3/8-16NC x 3/4&quot; lg. Carriage Bolts</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>3/8&quot;-16NC Flanged Locknuts</td>
</tr>
<tr>
<td>6</td>
<td>4</td>
<td>Hose Clips</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>3/8-16NC x 3/4&quot; lg. Flanged HHCS</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>3/8&quot;-16NC Flanged Locknuts</td>
</tr>
</tbody>
</table>

---

Attatch hose to column using 3/8"-16NC x 3/4" Carriage Bolts, Flanged Locknuts, and Hose Clips

---

Upper Cable Tie Off & 5/8" Nylon Insert Locknut

---

Lower Cable Tie Off & 5/8" Nylon Insert Locknut
E) Route cable up inside column and through the latch cable guide, Fig. 11a & Fig. 12.

**IMPORTANT** Using wire ties provided, tie off cable guide to column extension as shown, Fig. 11a. Guide must be attached in hole closest to the outside edge of the column on the NON-APPROACH side.

F) Continue routing cable to the left column latch cable guide, Fig. 11a & Fig. 12, routing the cable through the left column latch cable guide, Fig. 11a.

**IMPORTANT** Using wire ties provided, tie off cable guide to column extension as shown, Fig. 11a. Guide must be attached in hole closest to the outside edge of the column on the NON-APPROACH side.

G) Bring the cable down inside the left column and feed the end of the cable through the lower latch cable sheave slot so that the cable is now back outside the column, Fig. 13.

H) Install latch cable sheave and retaining rings in lower slot of non-power unit column as shown, Fig. 13.

I) Route cable under the bottom side of the latch cable sheave, Fig. 13.

J) At this point you MUST install the latch handle, jam nut, and right column latch cover Fig. 11c & Fig. 14. Install latch handle ball, Fig. 14.

K) Insert cable in cable clamp along one side, loop around shoulder screw and back down, inserting cable along other side of cable clamp, Fig. 13. Place top back on clamp, barely tightening.

L) Next, pull the control plate down, Fig. 12 & Fig. 13, to eliminate any clearance between the control plate slot and the latch dog pin, Fig. 12.

M) Using Pliers, pull cable tight and secure the clamp close to the shoulder screw. Tighten clamp.
13. **Electrical:** Have a certified electrician run appropriate power supply to motor, Fig. 15 & 16. Size wire for 20 amp circuit. For single phase 4HP motor wire for 30 amp circuit. See Motor Operating Data Table.

**CAUTION** Never operate the motor on line voltage less than 208V. Motor damage may occur.

**IMPORTANT:** Use separate circuit for each power unit. Protect each circuit with time delay fuse or circuit breaker. For single phase 208-230V, use 20 amp fuse. For single phase 4HP motor use 30 amp fuse. Three phase 208-
240V, use 20 amp fuse. For three phase 400V and above, use 10 amp fuse. For wiring see Fig. 15 & Fig. 16. All wiring must comply with NEC and all local electrical codes.

Note: 60Hz. single phase motor CAN NOT be run on 50Hz. line without a physical change in the motor.

18. Installation of Rack for Adapter
   Extensions: Install racks as shown, Fig. 20, using 5/16”-18NC x 3/8” PHMS.

19. Door Bumper Installation:
   1) Press long bumper on column edge, Fig. 21a.
   2) Press short bumper on top edge of carriage tube, Fig. 21a.

20. Latch Cable Adjustment:
   A) Check to make sure the latch will properly engage and disengage. Slowly release the latch handle. A 1/8” gap between the top of the latch dog and the column is allowable.

   NOTE: Assure cord used for connection between the overhead switch and power unit is of the type specified in:

   UL201, Sections 10.1.1.3 & 10.1.1.4

   (Example: SO, G, STO) Size for 25 amp circuit. See UL 201, Section 15 for proper wiring requirements for this connection.

   Single Phase Power Unit

<table>
<thead>
<tr>
<th>LINE VOLTAGE</th>
<th>RUNNING MOTOR VOLTAGE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>208-230V 50Hz.</td>
<td>197-253V</td>
</tr>
<tr>
<td>208-230V 60Hz.</td>
<td>197-253V</td>
</tr>
</tbody>
</table>

   Overhead Switch
   Max. Voltage: 277V
   Max. Current: 25A

   Connect supply to wires in box as per Fig. 16. Attach ground wire to screws provided.

   Note: 60Hz. Single phase motor CAN NOT be run on 50Hz. line without a physical change in the motor.
**NOTE:** Two Different Drum Switches were used please select one of the two options below.

**NOTES:**
1. Unit not suitable for use in unusual conditions. Contact Rotary for moisture and dust environment duty unit.
2. Control Box must be field mounted to power unit.
3. Motor rotation is counter clockwise from top of motor.

<table>
<thead>
<tr>
<th>3 Phase Supply</th>
<th>MOTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 1 2 2</td>
<td></td>
</tr>
<tr>
<td>L2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td>L3 5 6 7 8</td>
<td></td>
</tr>
<tr>
<td>PE</td>
<td></td>
</tr>
</tbody>
</table>

**FOR 3 Ø POWER**
UNITS: Attach Box using M5 x 10 PHMS, Plated

**Capacitor Box Attachment**
Option One

**Steel Spacer**
**Gasket**
**Drum Switch And Cover**
**Re-seal Between Box And Spacer With Silicone Sealer**
**Capacitor Box**
**Capacitor Box To Power Unit**

<table>
<thead>
<tr>
<th>3 Phase Supply</th>
<th>MOTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 1 2 2</td>
<td></td>
</tr>
<tr>
<td>L2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td>L3 5 6 7 8</td>
<td></td>
</tr>
<tr>
<td>PE</td>
<td></td>
</tr>
</tbody>
</table>

**OVERHEAD SWITCH (WHERE APPLICABLE)**
**DRUM SWITCH**

**Three Phase Power Unit**

<table>
<thead>
<tr>
<th>MOTOR OPERATING DATA TABLE - THREE PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINE VOLTAGE</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td>208-240V 50/60Hz.</td>
</tr>
<tr>
<td>400V 50Hz.</td>
</tr>
<tr>
<td>440-480V 50/60Hz.</td>
</tr>
<tr>
<td>575V 60Hz.</td>
</tr>
</tbody>
</table>
14. **Oil Filling & Bleeding:** Use Dexron III ATF, or Hydraulic Fluid that meets ISO 32 specifications. Remove fill-breather cap, Fig. 8a. Pour in (8) quarts of fluid. Start unit, raise lift about 2 ft. Open cylinder bleeders approximately 2 turns, Fig. 9a.

Close bleeders when fluid streams. Torque values for the bleeders are 15 ft. lb. minimum and 20 ft lb. maximum. Fully lower lift. Add more fluid until it reaches the MIN mark on the tank. Replace fill-breather cap.

**CAUTION** If fill-breather cap is lost or broken, order replacement. Reservoir must be vented.

15. **Overhead switch:** Check overhead switch assembly to assure that switch bar is depressing switch plunger sufficiently to actuate the switch. The overhead switch is wired normally open, see Fig. 15 & Fig. 16. Lift will not operate until weight of switch bar is depressing switch plunger. Verify that Power Unit stops working when switch bar is raised, and restarts when the bar is released.

16. **Arms & Restraints:** Before installing arms, raise carriages to a convenient height. Grease swivel arm pins and holes with Lithium grease. Slide arm into yoke, Fig. 17a. Install 1-3/4” diameter arm pin(s), Fig. 17a.

After installing arms and pins, install arm Restraint Gears as follows: Install Restraint Gear onto arm clevis, as shown, Fig. 17b. Ensure side of gear marked TOP is facing upward, Fig. 17b.

**NOTE:** TOP is stamped on top side of gear. You may need to pull up on the pin-ring to allow enough room to install Restraint Gear.

Then, install the (2) 3/8”-16NC x 1-1/2” HHCS (8 total for all 4 arms) and 3/8” Spring Lockwashers into the gear and arm, but do not tighten. Reference Fig. 17c, Fig. 18, and Fig. 19.

Torque the Restraint Gear bolts to 30-34 ft.-lbs.
**NOTE:** To check operation of arm restraints, raise carriage 1” min. from full down position. Pull up on pin-ring and adjust arms to desired position. To engage restraint, let pin-ring down allowing gear teeth to mesh together. It may be necessary to rotate arm slightly to engage gear teeth.

**NOTE:** Pin & Ring, Spring, & Gear Block are all preassembled.

**NOTE:** Once arm is installed in yoke, pull up actuator pin and swing arm fully around, being sure that the Restraint Gear and Gear Block always stay aligned. If they do not stay aligned, remove restraint gear and install in the opposite position.

**DO NOT** use holes marked with arrows.
B) When raising, listen to latches to be sure that both latch dogs fall into latch slots. If they do not, loosen clamp and adjust tension as necessary.

C) Install left latch cover using 5/16-18NC x 3/8” lg PHMS.

21. **Pressure Test:** Run lift to full rise and keep motor running for 5 seconds. Stop and check all hose connections. Tighten or reseal if required. Repeat air bleeding of cylinders.

22. **Equalizer Cable Adjustments:** Raise lift to check equalizer cable tension. Below carriage, grasp adjacent cables between thumb and forefinger, with about 15 lbs. effort you should just pull the cables together. Adjust at upper tie-offs Fig. 21b.
23. **Latch Release Decal:** Install latch release decal on cover above latch release handle, Fig. 22.

24. **Pinch Point Decal Location:** Install enclosed pinch point decals. Place (1) decal on each column, Fig. 23.

25. **Wheel Spotting Dish:** Position wheel spotting dish as illustrated in Fig. 1. Drill (2) 3/8” holes 2-1/2” deep in concrete floor using holes in wheel spotting dish as guide. Drive both anchors, provided, into concrete to secure dish.
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.

DATE    REV.    CHANGE MADE
11/04/03   -       New (500 Series) instructions. New Locking Latch Cable Routing, new arm pin, new restraint gears, new hose clamp attachment hardware.
04/07/04   A       Added Hummer and Sprinter lift models to this standard instruction.
05/05/04   B/C    Revisions not used.
05/05/04   D       Removed steel elbow from figures.
06/17/04   E       Made plan views/graphics easier to identify.
08/02/04   F       Updated 500 and 5W0 series tie bar graphics.
11/08/04   G       Added new actuator graphics and UL Verbiage.
1/13/05   H       Updated graphic on page 3 - Fig. 4 & 6.
1/16/06   I       Skipped Letter Not Used.
1/16/06   J       Updated model sequence to show standard installation first.
12/15/06   K       Added 4HP 1 Phase Power Unit.
01/15/07   L       Updated motor wiring in the electrical section and added torque values to cylinder bleeders.
09/11/07   M       Updated drum switch wiring.
06/02/08   N       Added 700 Series Lifts to manual.