Two-Post Surface Mounted Lift

WOA83

OWNER'S MANUAL SECTION

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Safety Instructions

- **Never** allow unauthorized persons to operate lift.
- **Thoroughly** train new employees in the use and care of lift.
- **Remove** passengers before raising vehicle.
- **Shop Policy** should prohibit customers and other non-authorized persons in shop area while lift is in use.
- **Never** overload lift. **Do Not** exceeded lift capacity of 7,000 lbs., (3,500 lbs. per pad).
- **Keep** area around lift clean of tools, debris, grease and oil.

Owner/Employer Responsibilities

The Owner/Employer:

- Shall establish procedures to periodically maintain, inspect and care for the lift in accordance with the manufacturer's recommended procedures to ensure its continued safe operation.
- Shall provide necessary lockout/tagouts of energy sources per ANSI Z244.1 - 1982 before beginning any lift repairs.
- Shall not modify the lift in any manner without the prior written consent of the manufacturer.
- Shall display the operating instructions and "Lifting It Right" and "Safety Tips" supplied with the lift in a conspicuous location in the lift area convenient to the operator.
- Shall ensure that lift operators are instructed in the proper and safe use and operation of the lift using the manufacturer's instructions and "Lifting It Right" and "Safety Tips" supplied with the lift.

Operating Instructions

(Designed for Passenger Cars Only)

⚠WARNING To avoid personal injury and/or property damage, permit only trained personnel to operate lift. After reviewing these instructions get familar with lift controls by running the lift through a few cycles before loading vehicle on lift.

Note: Allow 2 seconds between motor starts, failure to comply may cause motor burnout

1. Lift capacity is 7,000 lbs. Lift must be fully lowered and service bay clear of all personnel before the vehicle is brought on lift.

2. Spot vehicle over lift with left front wheel in proper spotting dish position, Fig. 26.

3. **Loading:** Do not raise limousines, pick-up trucks,vans or other specialty vehicles on this lift.

⚠WARNING Before lifting the vehicle be sure that:

   A. Total vehicle weight does not exceed lift capacity or pad capacity, see Safety Tips..
   B. Pads are in secure contact with frame or support structure at outer body.
   C. Vehicle is stable on lift and neither front nor "tail" heavy.
   D. The overhead switch bar will contact the highest point on the vehicle.
   E. Certain vehicles such as Camaro, Firebird, Escort or Chrysler "K" Cars or others may require additional clearance to prevent under carriage or exhuast system from contacting pad support. Use 3" high auxilliary rubber pads. Locate under frame or support structure at outer body using vehicle manufactuters recommended pick up points.

4. **To Raise Lift:**
   A. Actuate up switch on power unit, Fig. 27.
   B. Raise vehicle until tires clear the floor.
   C. Stop and check pads for secure contact with frame or support structure at outer body.
   D. Lower vehicle and reposition vehicle if required and repeat step "C".
   E. Continue to raise to desired height **only** if vehicle is secure on lift.
   F. Before going under the vehicle, check all four pads for secure contact with frame or any support structure at outer body.
   G. Repeat complete Item 4 procedure if required.

⚠CAUTION Always use safety stands when removing or installing heavy components.

⚠CAUTION Stand Clear of lift when lowering.

5. **To Lower Lift:** Remove all tools or other objects from lift area. Push latch release handle fully and hold. Push lowering valve handle to lower Fig. 27.

Note: Latch release and lowering valve are deadman-type design. Handle must be held down to lower lift . Do not override deadman features.

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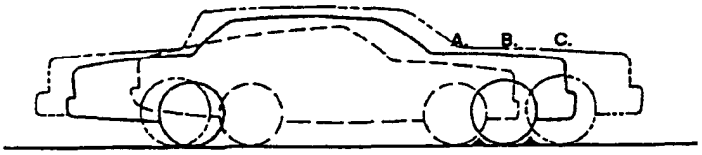
6. Fully lower lift before moving vehicle.

7. If lift is not operating properly, **Do Not** use until adjustment or repairs are made by qualified automotive lift representative.

Typical Wheeling Spotting Positions



A. Less than 105" wheel base -- position left front wheel on approach side of wheel dish.

B. 105" thru 127" wheel base -- position left front wheel in wheel dish.

C. Larger than 127" wheel base -- position left front wheel just foward of wheel dish.

Fig. 26

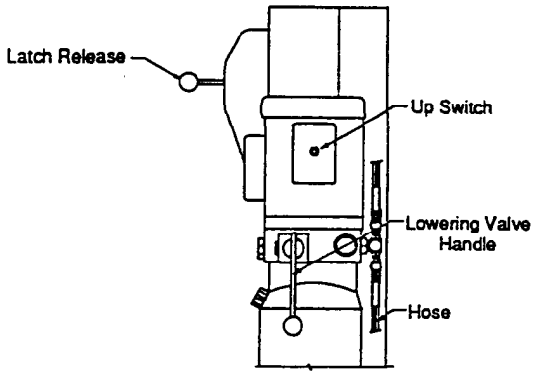


Fig. 27

Maintenance Instructions

⚠WARNING If you are not completely familar with automotive lift maintenance procedures **STOP:** Contact factory for instructions. **To Avoid Personal Injury,** permit only qualified personnel to preform maintenance on this equipment.

- **After 60 days usage,** check anchor bolt tightness. Relaxed torque value of 75-90 Ft.-lbs. *must be maintained.*
- **Always** keep all bolts tight. Check periodically.
- **Always** raise lift when cleaning lift bay area.
- **Always** keep superstructure clean.
- **Daily:** Check cables and sheaves for wear. Replace worn parts as required with genuine Rotary parts.
- **Daily:** Inspect pads for damage or excessive wear. Replace as required with genuine Rotary parts.
- **Monthly:** Check equalizer cable tension. Adjust per instructions on page 8, number 21.
- **Monthly:** Remove latch covers and check engagement of latches. Lubricate locking latch mechanism. Activate latch handle several times to allow oil to penetrate, Fig. 28.
- If lift stops short of full rise or chatters, check fluid level and bleed both cylinders per instructions.
- **Semi-Annually:** Check fluid level of lift power unit and refill if required. (Refer to page 6, number 14 for instructions.) If fluid is required, inspect all pipe fittings, hoses and seals. Repair as required.
- **Replace** all caution, warning, or safety related decals on the lift when unable to read or missing.

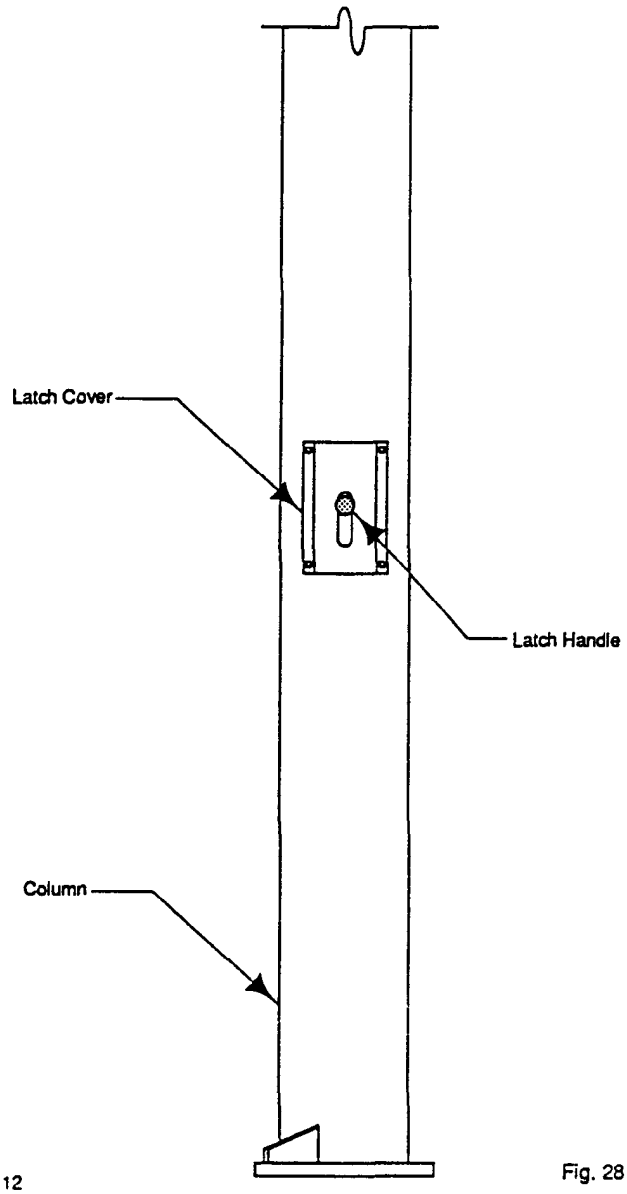


Fig. 28

Trouble Shooting

Trouble	Cause	Remedy
Motor does not run.	1. Blown fuse or circuit breaker. 2. Incorrect voltage to motor. 3. Bad wiring connections. 4. Mircroswitch burned out. 5. Overhead limit switch burned out. 6. Motor windings burned out.	1. Replace blown fuse or reset circuit breaker. 2. Supply correct voltage to motor. 3. Repair and insulate all connections. 4. Replace microswitch. 5. Replace switch. 6. Replace motor.
Motor runs but will not raise lift.	1. Open lowering valve. 2. Pump sucking air. 3. Suction stub off pump. 4. Low oil level.	1. Repair or replace lowering valve. 2. Tighten all suction line fittings. 3. Replace suction stub. 4. Fill tank with Dexron II ATF.
Motor runs—raises unloaded lift but will not raise vehicle.	1. Motor running on low voltage. 2. Trash in lowering valve. 3. Improper relief valve adjustment. 4. Overloading lift.	1. Supply correct voltage to motor. 2. Clean lowering valve. 3. Replace relief valve cartridge. 4. Check vehicle weight and/or balance vehicle weight on lifts.
Lift slowly settles down.	1. Trash in check valve seat. 2. Trash in lowering valve seat. 3. External oil leaks.	1. Clean check valve. 2. Clean lowering valve. 3. Repair external leaks.
Slow lifting speed or oil blowing out filler breather cap.	1. Air mixed with oil. 2. Air mixed with oil suction. 3. Oil return tube loose.	1. Change oil to Dexron II ATF. 2. Tighten all suction line fittings. 3. Reinstall oil return tube.
Lift going up unlevel.	1. Equalizer cables out of adjustment. 2. Lift installed on unlevel floor.	1. Adjust equalizer cables to correct tension. 2. Shim lift to level columns (Not to exceed $^1/_2$"). If over $^1/_2$" break out floor and level. See Installation Instructions page 7, number 18.
Anchors will not stay tight.	1. Holes drilled oversize. 2. Concrete floor thickness or holding strength not sufficient.	1. Use a fast setting cement to pour into oversize holes and reset anchors -or- relocate lift using a new bit to drill holes. 2. Break out old concrete and repour new pads for lift-See Installation Instruction page 7, number 18.
Locking latches do not engage.	1. Dog pivot pins rusted. (Usually occurs on outside installations or in high humidity areas such as vehicle wash bays.) 2. Dog pivot spring broken. 3. Latch cable needs adjustment.	1. Remove covers, oil latch mechanism. Activate latch mechanism several times with latch handle to allow oil to penetrate. 2. Replace broken spring. 3. Adjust clamps at cable end.
Locking latches do not disengage.	1. Latch cable is broken. 2. Cable is derailed. 3. Latch cable needs adjustment.	1. Replace cable. 2. Adjust cable tension; reposition upper sheaves. 3. Adjust cable tension at left column, page 5 Fig. 11.

Mr. Installer: Please return this booklet to literature package and give to lift owner / operator.

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.

This equipment complies with American National Standard B-153.1

Rotary Lift®

ROTARY LIFT
A Dover Industries Company
P.O. Box 1560
Madison, Indiana 47250-0560
Phone toll-free: 1-800-445-LIFT (5438)
(812) 273-1622
FAX : (800) 822-6502

For Export
ROTARY LIFT EXPORT COMPANY
200 Executive Drive, Suite 320
West Orange, NJ 07052
(201) 325-3535
Telex # 13-8693
FAX: (201) 325-7974

For Canada:
DOVER CORPORATION CANADA - ROTARY LIFT DIVISION
130 Bridgeland Avenue,Unit 210
Toronto, Ontario, Canada M6A 1Z4
(416) 256-4100
FAX : (416) 256-3924