

MODIAMA

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

PTR11006

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF

FRANK WHITTAKER 304-558-2316

*709035519 304-755-8111 JEFFERDS CORPORATION PO BOX 757 US RT 35 WEST

ST ALBANS WV 25177

DIVISION OF PUBLIC TRANSIT

BUILDING 5, ROOM 906
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV

25305-0432 304-

304-558-0428

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PROPOSAL CONTRACT

JEFFERDS CORPORATION

MATERIALS HANDLING

LICENSE #WV0002496

AUGUST 31, 2010

WV PURCHASING DIVISION 2019 WASHINGTON STREET EAST PO BOX 50130 CHARLESTON, WV 25305-0130

U.S. RT. 35 WEST P.O. BOX 757

ST. ALBANS, WV 25177 PHONE: (304) 755-8111 FAX: (304) 755-7544 Email: www.jefferds.com

PROPOSAL NO. 083110-WVPURCHASING-1-181

FOB:

ALLOWED

SHIPPING:

6 TO 8 WEEKS FROM

APPROVALS

WE PROPOSE TO FURNISH THE FOLLOWING EQUIPMENT SUBJECT TO THE TERMS AND CONDITIONS ATTACHED TO THIS PROPOSAL

ONE (1) ROTARY FOUR POST SURFACE MOUNT VEHICLE LIFT MODEL # SM30-L

- 30,000 LBS, CAPACITY
- > (2) 15,000 LBS. ROLLING JACKS
- FILTER, LUBRICATOR, REGULATOR, AIR AND ELECTRIC BOX
- 3 YEAR EXTENDED PARTS WARRANTY
- CYLINDERS HAVE LIFETIME WARRANTY DUE TO MANUFACTURERS DEFECTS
- INCLUDES FREIGHT

YOUR PRICE FOR ONE UNIT AS ABOVE

\$ 27,480.00

INSTALLATION BY JEFFERDS CORPORATION FACTORY TRAINED CREW WITH ELECTRICAL HOOK UP FROM CUSTOMER SUPPLIED DISCONNECT SWITCH \$3,500.00

INSTALLATION:

- 1. CUSTOMER OR HIS AGENT WILL UNLOAD THE EQUIPMENT ON DELIVERY AND WILL STORE IT IN A CLEAN DRY PLACE. THE MATERIAL MUST BE ACCESSIBLE TO THE INSTALLERS AND AS NEAR TO THE INSTALLATION AS POSSIBLE.
- 2. JEFFERDS CORPORATION NON-UNION PERSONNEL WILL INSTALL THE PRODUCT DURING NORMAL WORKING HOURS OF 7:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. PREMIUM TIME HAS NOT BEEN CALCULATED UNLESS OTHERWISE NOTED IN THE BODY OF THIS QUOTE.
- 3. JEFFERDS CORPORATION MAKES INSTALLATION ARRANGEMENTS IN ADVANCE WITH OUR CUSTOMERS. WE EXPECT TO START OUR INSTALLATION UPON ARRIVAL AT THE JOB SITE WITH NO DELAYS. IF DELAYS ARE CAUSED BY THE CUSTOMER OF 1/2 HOUR OR MORE, JEFFERDS CORPORATION WILL BILL AN ADDITIONAL \$65.00 PER MAN HOUR FOR EACH MAN ON THE JOB. THIS DELAY WILL BE DISCUSSED WITH OUR CONTACT ON THE PROJECT TO VERIFY THAT THE DELAYS ARE VALID. OUR LEAD INSTALLER WILL REQUIRE A SIGN OFF FORM BE SIGNED VERIFYING THE DELAY AND THE HOURS TO BE INVOICED.
- 4. JEFFERDS CORPORATION WV CONTRACTORS LICENSE NUMBER IS WV002496.
- 5. QUOTED PRICE DOES NOT INCLUDE ADDITIONAL INSURANCE FEES, BUILDING FEES OR TAXES.
- THE SCOPE OF THE WORK INCLUDES ALL LABOR, SUPPLIES AND EQUIPMENT TO PERFORM THIS WORK UNLESS OTHERWISE NOTED IN THE BODY OF THIS QUOTE. TERMS: NET 10 DAYS IEEEEDDS CODDODATION

	. 10 5410	AFFERDS CORPORATION			
Accepted:	CUSTOMER NAME	- Chry Chiles			
	OGSTOWER NAME	SALES ENGINEER			
	ADDRESS	JERRY ADKINS			
Ву					

This proposal is offered for your acceptance within thirty days of date. It shall constitute a contract of sale after being accepted by the buyer and the seller from St. Albans office acknowledges acceptance. Your attention is invited to the "Conditions and Terms of Sale" which are attached hereof and which are a part of this contract



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DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS 08/25/2010 BID OPENING DATE: 09/08/2010 BID OPENING TIME 01:30PM CAT LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT IN THE EVENT THE VENDOR/CONTRACTOR FILES BANKRUPTCY: FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED bocuments such as price lists, order forms, sales AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. REV. 05/26/2009 NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 44 RFQ. NO.: PTR11006 SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE 304-755-8111 9/3/10 55-0336065 ADDRESS CHANGES TO BE NOTED ABOVE



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Department of Administration
Purchasing Division
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PRODUCT DESCRIPTION

The following set of specifications is for the purchase of a heavy duty drive on platform style transit bus lift complete with safety equipment, controls and accessories with the capacity to lift up to 30,000 lbs, with a rolling jack assembly with a lifting capacity of 15,000 lbs., and with 6-8 track light kit. Rotary Lift SM302, Stertil-Koni ST4250 or Equal.

All equipment shall be new and unused. The model lift shall be the current Manufacturer's model. Used, reconditioned, discontinued or left over models will not be accepted.

All equipment shall comply with all applicable Federal, State, and Local Regulations and the current ANSI standards. All equipment must be structurally and safety tested and a certified copy of the report is preferred to be submitted with bid. The attached FTA Terms and Conditions must apply.

FOUR POST SURFACE MOUNTED 30,000 LB. CAPACITY HEAVY DUTY VEHICLE LIFT WITH THE FOLLOWING MINIMUM REQUIREMENTS OR EQUAL:

Capacity: 30,000 lbs.

Wheelbase: 271"

Overall Length: 28' 8-1/8"Overall Width: 12' 4-13/16"

Inside Columns: 132"

Between Columns: 285"

Height of Columns: 7' 3/4"

Rise (from floor to top of runway): 68"

Width of Runway: 24" (each)

Height of Runway: 8-3/8"

Width Between Runways (min.): 41"

• Width Between Runways (max.): 48"

The lift shall permit lifting of vehicles to any standard full height with locking positions throughout the lifts travel for safety.

The mechanical locks needs to be activated by a single point lock release that is located on the control panel. It is recommended that each post have a mechanical lock. The locks will be hydraulically engaged and released with (1) cylinder activating each lock.

Complete installation shall be performed by the vendor including all equipment, materials, labor and providing power supply from the designated source to the lift unit.

Runway Assemblies shall have front wheel stops included at front of runways. The approach ramps shall be a hinged design that automatically swings to provide a rear chock position as the lift is raised. Ramps shall be a minimum of 40" long to

provide easy drive on capability and minimum breakover angle. Each runway shall have guide tracks of optional rolling jacks as a standard feature. Each runway shall be supported by (2) 8" beams.

Column Assemblies shall contain a spring loaded locking latch mechanism which automatically sets at 4" increments after the first 13" of travel, continuing through full rise. Locking latch release to be constant pressure air operated push button at power unit. There shall be no less than 10 locking positions per column. A separate slack cable latching mechanism shall be provided.

Cylinder shall contain one full hydraulic cylinder factory installed underneath. Cylinder shall be a single acting design and contain an automatic air vent located on the upper end of the cylinder. The oil supply ports shall be equipped with an orifice with free-flow reverse to minimize descent rate in the event of hydraulic line breakage.

The system shall be lifted and equalized by adjustable cables and sheaves for smooth operation. The hydraulic cylinder shall be factory assembled in the fixed runway. Overhead cylinder locations and beams are not acceptable. The cables shall be 5/8" diameter galvanized, lubricated wire rope.

POWER UNIT AND ELECTRIC MOTOR

The control console will be free standing, capable of being placed anywhere around the lift. The console shall house the following equipment" 1) Power Unit, 2) Oil Reservoir, 3) Low Pressure Return Filter, 4) Electric Motor, 5) Motor Starter and Overloads, and, 6) Terminal Strips.

All items/switches shall be labeled properly.

The electric motor shall be 3 phase, 208/230/460 volt, 60HZ, with a minimum of 4HP.

The Vendor will provide the electrical cable and installation of the cable from the lift to the provided outlet near the lift.

PRODUCT SUBMITTALS

All equipment shall be supplied with the following submittals:

- Manufacturer's data sheets on each product to be used, including: 1) Preparation
 instructions and recommendations. 2) Storage and handling requirements and
 recommendations. 3) Installation, Operations, Maintenance and Safety Manuals.
- Shop Drawings: Template drawings and load reactions for lift application.
 Drawings shall indicate required code requirements and restrictions for approval by code authority.
- A copy verifying that the lift manufacturer is ISO9001 certified.

 Provide verification that the lift is 3rd party certified by ETL testing laboratory and labeled with the ETL/Automotive Lift Institute (ALI) label that affirms the lifts' conformance to all applicable provisions of American National Standard ANSI/ALI ALCTV-1998.

GENERAL WARRANTY

Provide a copy of all warranty on each piece of equipment. The standard warranty on all structural components and power unit warranty shall be a full 3 years, parts, labor, shipping and travel for repairs shall all be included in the standard warranty.

The hydraulic cylinders shall be covered by an extended lifetime cylinder warranty after the initial 3 year warranty has expired.

REPLACEMENT PARTS

Replacement parts shall be available from a nationwide network of factory designated parts facilities. A copy of all facilities shall be submitted with bid. Replacement parts shall be available for a minimum of 7 years after date of installation.

TRAINING

The successful vendor shall supply operational, maintenance, warranty and other important training of the equipment to the transit system personnel after complete installation has been completed within 5 days.

SUGGESTED VENDORS

Rotary Lift 2700 Lanier Drive Madison, IN 47250

Phone: (800) 640-5438 Phone: (812) 273-1622

Fax:

(800) 578-5438

Jefferds Corporation PO Box 757 St. Albans, WV 25177 Phone: (304) 755-7544

Stertil-Koni-USA, Inc. 200 Log Canoe Circle Stevensville, MD 21666 Phone: (410) 643-9001 Fax: (410) 643-8901

Alan Tye & Associates 106 Confederate Ave Salisbury, NC 28144 Phone: (704) 347-3440

Notification of Federal Participation

Federal funding for this project is being provided by the Federal Transit Administration through Section 5311 CFDA 20509 for 80 % of the project cost and , Section 5309 CFDA 20500 at 80% of the project cost.

No Federal Government Obligations to Third Parties

- (1) The WV Division of Public Transit and Vendor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the WV Division of Public Transit, Vendor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.
- (2) The Vendor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by the Federal Transit Administration. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

Program Fraud and False or Fraudulent Statements or Related Acts

- (1) The Vendor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §§3801 et seg. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Project. Upon execution of the underlying contract, the Vendor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the Federal Transit Administration (FTA) assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the Vendor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Vendor to the extent the Federal Government deems appropriate.
- (2) The Vendor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the Vendor, to the extent the Federal Government deems appropriate.
- (3) The Vendor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

Exclusionary or Discriminatory Specifications

The Vendor agrees that it will comply with the requirements of 49 U.S.C. § 5325(h) by refraining from using any Federal assistance awarded by the WV Division of Public Transit to support procurements using exclusionary or discriminatory specifications.

Geographic Restrictions

The Vendor agrees to refrain from using state or local geographic preferences, except those expressly mandated or encouraged by Federal statute, and as permitted by FTA.

Audit and Inspection

The Vendor agrees to permit the WV Division of Public Transit, the Secretary of the United States Department of Transportation and the Comptroller General of the United States, or their authorized representatives, to inspect all Contract work, materials, payrolls, and other data and records with regard to the Contract. The Vendor also agrees to permit an audit of the books, records, and accounts of the Vendor and its subcontractors.

Disadvantaged Business Enterprise (DBE)

The Vendor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. The requirements of 49 C.F.R. Part 26 and the WV Department of Transportation's (WVDOT) U.S. Department of Transportation (USDOT) approved Disadvantaged Business Enterprise (DBE) Program are incorporated in the Contract by reference. The Vendor agrees to take all necessary and reasonable steps under the requirements of 49 C.F.R. Part 26 and the USDOT approved Disadvantaged Business Enterprise (DBE) Program (where required) to ensure that eligible DBEs have the maximum feasible opportunity to participate in USDOT approved Contracts. Failure by the Vendor to carry out these requirements is a material breach of the Contract, which may result in the termination of this Contract or such other remedy as the WV Division of Public Transit deems appropriate.

Civil Rights

The following requirements apply to the underlying contract:

(1) Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C.§§ 2000d, Section 303 of the Age Discrimination Act of 1974, as amended, 42 U.S.C.§ 6101 et seq., Section 202 of the Americans With Disabilities Act of 1990, 42 U.S.C.§ 12101 et seq., and Federal transit law at 49 U.S.C.§ 5332, the Vendor agrees that it will not discriminate against

any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Vendor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

- (2) Equal Employment Opportunity. The following equal employment opportunity requirements apply to the underlying contract:
- (a) Race, Color, Creed, National Origin, Sex. In accordance with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Vendor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity, " 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Vendor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, disability or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Vendor agrees to comply with any implementing requirements FTA may issue.
- (b) Age. In accordance with the Age Discrimination Act of 1975, as amended, 42 U.S.C. §§ 6101 et seq. and implementing regulations, the Vendor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Vendor agrees to comply with any implementing requirements FTA may issue.
- (c) <u>Disabilities</u>. In accordance with Section 102 of the Americans With Disabilities Act, as amended, 42 U.S.C. § 12112, the Vendor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans With Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Vendor agrees to comply with any implementing requirements FTA may issue.
- (3) The Vendor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

Energy Conservation

The Vendor agrees to comply with, and obtain the compliance of its subcontractors, with mandatory standards and policies relating to energy efficiency contained in applicable state energy conservation plans issued in compliance with the Energy Policy and Conservation Act, 42 U.S.C. §§ 6321 et seq.

Clean Air & Clean Water Requirements

- (1) The Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7414 and other applicable provisions of the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. and Section 508 of the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1368, and other provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq. The Vendor agrees to report each violation to the WV Division of Public Transit and understands and agrees that the WV Division of Public Transit will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
- (2) The Vendor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided from FTA.

Application of Federal, State and Local Laws and Regulations

To achieve compliance with changing federal, state and local requirements, the Vendor shall note that federal, state and local requirements may change and the changed requirements will apply to this Contract as required.

Labor Provisions

The Vendor shall comply with Section 102 of the Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 3701 et seq., esp. § 3702 & 3704) as supplemented by Department of Labor Regulations (29 CFR, § 5 & 29 CFR § 1926) as they involve the employment of mechanics and laborers.

Overtime Requirements. No Vendor or subcontractor for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

<u>Violation; Liability for Unpaid Wages; Liquidated Damages</u>. In the event of any violation of the clause set forth in paragraph (2) of this section, the Vendor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such Vendor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (2) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (2) of this section.

Withholding for Unpaid Wages and Liquidated Damages. The WV Division of Public Transit shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Vendor or subcontractor under any such contract or any other Federal contract with the same prime Vendor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Vendor, such sums as may be determined to be necessary to satisfy any liabilities of such Vendor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (3) of this section.

<u>Subcontracts</u>. The Vendor or subcontractor shall insert in any subcontracts the clauses set forth in this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Vendor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.

Payrolls and Basic Records. Payrolls and basic records relating thereto shall be maintained by the Vendor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR .5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the Vendor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

Vendors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

Termination

(a) Termination for Convenience

The WV Division of Public Transit may terminate this contract, in whole or in part, at any time by written notice to the Vendor when it is in the Government's best interest. The Vendor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Vendor shall promptly submit its termination claim to the WV Division of Public Transit to be paid to the Vendor. If the Vendor has any property in its possession belonging to the WV Division of Public Transit, the Vendor will account for the same, and dispose of it in the manner the WV Division of Public Transit directs.

(b) Termination for Default (Breach or Cause)

If the Vendor does not deliver supplies in accordance with the contract delivery schedule, or, if the contract is for services, the Vendor fails to perform in the manner called for in the contract, or if the Vendor fails to comply with any other provisions of the contract, the WV Division of Public Transit may terminate this contract for default. Termination shall be effected by serving a notice of termination on the contractor setting forth the manner in which the Vendor is in default. The Vendor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the

If it is later determined by the WV Division of Public Transit that the Vendor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the Vendor, the WV Division of Public Transit, after setting up a new delivery of performance schedule, may allow the Vendor to continue work, or treat the termination as a termination for convenience.

(c) Opportunity to Cure

The WV Division of Public Transit in its sole discretion may, in the case of a termination for breach or default, allow the Vendor an appropriately short period of time in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions.

If Vendor fails to remedy to the WV Division of Public Transit's satisfaction the breach or default or any of the terms, covenants, or conditions of this Contract within ten (10) days after receipt by Vendor or written notice from the WV Division of Public Transit setting forth the nature of said breach or default, the WV Division of Public Transit shall have the right to terminate the Contract without any further obligation to Vendor. Any such termination for default shall not in any way operate to preclude the WV Division of Public Transit from also pursuing all available remedies against Vendor and its sureties for said breach or default.

(d) Waiver of Remedies for Any Breach

In the event that the WV Division of Public Transit elects to waive its remedies for any breach by Vendor of any covenant, term or condition of this Contract, such waiver by the WV Division of Public Transit shall not limit the WV Division of Public Transit's remedies for any succeeding breach of that or of any other term, covenant, or condition of this Contract.

Bankruptcy

Upon entering of a judgment of bankruptcy or insolvency by or against a Vendor, the WV Division of Public Transit may terminate this Contract for cause.

FTA Role in Bid Protests

Under the Federal Transit Administration's Circular 4220.1F, the Federal Transit Administration's (FTA's) appeals process for reviewing protests of a recipient's procurement decisions are:

- 1. Requirements for the Protester. The protester must:
- a. Qualify as an "Interested Party." Only an "interested party" qualifies for FTA review of its appeal. An "interested party" is a party that is an actual or prospective bidder or offeror whose direct economic interest would be affected by the award or failure to award the contract at issue.
 - 1. <u>Subcontractors</u>. A subcontractor does not qualify as an "interested party" because it does not have a direct economic interest in the results of the procurement.
 - 2. Consortia/Joint Ventures/Partemerships/Teams. An established consortium, joint venture, partnership, or team that is an actual bidder or offeror and is acting in its entirety, would qualify as an "interested party" because it has a direct economic interest in the results of the procurement. An individual member of a consortium, joint venture, partnership, or team, acting solely in its individual capacity, does not qualify as an "interested party" because it does not have a direct economic interest in the results of the procurement.
 - 3. <u>Assocations or Organizations</u>. An association or organization that does not perform contracts does not qualify as an "interested party," because it does not have a direct economic interest in the results of the procurement.
- b. Exhaust Administrative Remedies. The protester must exhaust its administrative remedies by pursuing the WV Division of Public Transit's protest procedures to completion before appealing the WV Division of Public Transit's decision to FTA.
- c. <u>Appeal Within Five Days</u>. The protester must deliver its appeal to the FTA Regional Administrator, Region III, 1760 Market Street, Suite 500, Philadelphia, PA 19103-4124 within five (5) working days of the date when the protester has received actual or constructive notice of the WV Division of Public Transit's final decision. Likewise, the protester must provide its appeal to the same address within five (5) working days of the date when the protester has identified other grounds for appeal to FTA. For example, other grounds for appeal include the WV Division of Public Transit's failure to have or failure to comply with its protest procedures or failure to review the protest.
- 2. Extent of FTA Review. FTA limits its review of protests to:
- Failure of the Division of Public Transit to have or adhere to its written bid protest procedures, or failure of the Division of Public Transit to review a complaint or protest.
- Alleged violations on other grounds are under the jurisdiction of the appropriate State or local administrative authorities.
- c. Alleged violations of a specific Federal Law or regulation that provides an applicable complaint procedure shall be submitted and processed in accordance with that Federal Law or regulation. <u>See</u>, <u>e.g.</u>, Buy America Requirements, 49 C.F.R. Part 661 (Section 661.15); Participation by Minority Business Enterprise in Department of Transportation Programs, 49 C.F.R. Section 26.89.

FTA will exercise discretionary jurisdiction over those appeals involving issues important to FTA's overall public transportation program. FTA will refer violations of Federal law for which it does not have primary jurisdiction to the Federal authority having proper jurisdiction.

3. <u>FTA Determinations to Decline Protest Reviews</u>. FTA's determination to decline jurisdiction over a protest does not mean that FTA approves of or agrees with the Division of Public Transit's decision or that FTA has determined the contract is eligible for Federal participation. FTA's determination means only that FTA does not consider the issues presented to be sufficiently important to FTA's overall program that FTA considers a review to be required.

Prohibited Interest

No employee, officer, board member, agent or their family members of the WV Division of Public Transit may participate in the selection, award, or administration of a Contract supported by Federal funds if a real or apparent conflict of interest is involved. Such a conflict could arise when any of the parties mentioned above have a financial or other interest in the Vendor selected for the Contract.

Preference for Recycled Products

The Vendor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act, as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

Metric System

As required by U.S. DOT or FTA, the Vendor agrees to use the metric system of measurement in its Project activities, as may be required by Metric Conversion Act, as amended by the Omnibus Trade and Competitiveness Act, 15 U.S.C. §§ 205a et. seq.;

Executive Order No. 12770, "Metric Usage in Federal Government Programs, "15 U.S.C. § 205a note; and other regulations,

Hold Harmless

The Vendor agrees to protect, defend, indemnify and hold the WV Division of Public Transit, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this Contract and/or the performance hereof. Without limiting the generality of the foregoing, any and all such claims, etc. relating to personal injury, infringement of any patent, trademark, copyright (or application for any thereof) or of any other tangible or intangible personal or property right, or actual or alleged violation of any other tangible or intangible personal or property rights, or actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation, or decrees of any court, shall be included in the indemnity hereunder. The Vendor further agrees to investigate, handle, respond to, provide defense for and defend any such claims, etc., at his/her sole expense and agrees to bear all other costs and expenses related thereto, even if such claim is Licensing and Permits

The Vendor shall be appropriately licensed for the work required as a result of the Contract. The cost for any required licenses or permits shall be the responsibility of the Vendor. The Vendor is liable for any and all taxes due as a result of the Contract.

Compliance with Laws and Permits

The Vendor shall give all notices and comply with all existing and future federal, state and municipal laws, ordinances, rules, Regulations, and orders of any public authority bearing on the performance of the Contract, including, but not limited to, the laws referred to in these provisions of the Contract and the other Contract documents. If the Contract documents are at variance therewith in any respect, any necessary changes shall be incorporated by appropriate modification. Upon request, the Vendor shall furnish to the WV Division of Public Transit certificates of compliance with all such laws, orders, and regulations.

Prompt Payment

The prime Contractor agrees to pay each sub-contractor under this prime contract for satisfactory performance of its contract no later than 15 days from the receipt of each payment the prime Vendor receives from the Division of Public Transit. The Vendor agrees further to return retainage payments to each subcontractor within 15 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the Division of Public Transit. This clause applies to both DBE and non-DBE subcontractors.

Cargo Preference

The Vendor agrees:

To utilize privately owned United States--Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial

To furnish within twenty (20) working days following the date of loading for shipments originating within the United States or within 30 working days following the date of leading for shipments originating outside the United States, a legible copy of a rated, "on board" commercial ocean bill of lading in English for each shipment of cargo described in the paragraph above to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the Division of Public Transit (through the Vendor in the case of a subcontractor's bill of lading.)

To include these requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of

Federal Regulation Changes

Vendor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement (Form FTA MA(15) dated October 1, 2008) between the WV Department of Transportation, Division of Public Transit and FTA, as they may be amended or promulgated from time to time during the term of this Contract. Vendor's failure to so comply shall constitute a material breach of this contract.

Severability

In the event any provision of the Contract is declared or determined to be unlawful, invalid or unconstitutional, such declaration shall not affect, in any manner, the legality of the remaining provisions of the Contract and each provision of the Contract will be and is

Debarment and Suspension

Vendor agrees to comply, and assures the compliance of any other participant at any tier of the project, with Executive Orders Nos. Vendor agrees to comply, and assures the compliance of any other participant at any tier of the project, with Executive Orders Nos. 12549 and 12689, "Debarment and Suspension," 31 U.S.S. § 6101 note, and U.S. DOT regulations, "Nonprocurement Suspension and Debarment" 2 CFR Part 1200 which adonts and sunnlements the provisions of U.S. Office of Management and Rudget (U.S.) 12549 and 12689, "Debarment and Suspension," 31 U.S.S. § 61U1 note, and U.S. DU1 regulations, "Nonprocurement Suspension ORM) "Guidelines to Agencies on Covernmenhalde Debarment and Suspension (Nonprocurement) " 2 CER Part 180 and Department, 2 CFR Part 1200, which adopts and supplements the provisions of U.S. Office of Management and OBM) "Guidelines to Agencies on Governmentwide Department and Suspension (Nonprocurement)," 2 CFR Part 180. UBIN) 'Guidelines to Agencies on Governmentwide Department and Suspension (Nonprocurement), 2 CFR Part 180. The vendor agrees to, and assures that any other participant at any tier of the project will review the "Excluded Parties Listing System" at http://enic.gov//hefore-entering-into-any-other-arrangement in connection with the project. System" at http://epis.gov/ before entering into any other arrangement in connection with the project. By signing and submitting its bid or proposal, the bidder certifies as follows:

The certification in this clause is a material representation of fact relied upon by the WV Division of Public Transit. If it is later that the hidder knowledge and an expression in addition to semadiac available to the WV Division of The cermication in this clause is a material representation of fact relied upon by the WV Division of Public Transit. If it is later determined that the bidder knowingly rendered an erroneous certification, in addition to remedies available to the WV Division of the Company of the Endown Company of the Co Getermined that the bidder knowingly rendered an erroneous certification, in addition to remedies available to the WV Division of The hidder acrees to comply with the requirements of 2 CER Part 1200, while this offer is valid and throughout the period of any Public Transit, the Federal Government may pursue available remedies, including but not limited to suspension and/or department. The bidder agrees to comply with the requirements of 2 CFR Part 1200, while this offer is valid and throughout the period of any this offer. The bidder further agrees to include a provision requiring such compliance in its lower tier. The bluder agrees to comply with the requirements of 2 CFR Part 1200, while this offer is valid and throughout the penod of any contract that may arise from this offer. The bidder further agrees to include a provision requiring such compliance in its lower tier Accessibility

Vendor agrees that products provided shall be in accordance with the 42 U.S.C. Sections 12101 et seq. and DOT regulations, "Transnortation Santicae for Individuals with Disabilities (ADA)." AQ CED Bart 37: and Joint ATRORIDGE Sequipations "American with vendor agrees that products provided shall be in accordance with the 42 U.S.C. Sections 12101 et seq. and DOT regulations, "Transportation Services for Individuals with Disabilities (ADA)," 49 CFR Part 37; and Joint ATBCB/DOT regulations, "American with Disabilities (ADA) Accessibility Specifications for Transportation Vehicles " 36 CFR Part 1102 and 40 CFR Part 129. "Transportation Services for Individuals with Disabilities (ADA)," 49 CFR Part 37; and Joint ATBCB/DOT regulation Disabilities (ADA) Accessibility Specifications for Transportation Vehicles," 36 CFR Part 1192 and 49 CFR Part 38. FTA Terms

The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provision. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1F, are Anuthing to the contrary begin notwithetanding all FTA mandated terms shall be desired to forth in the preceding contract provision. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1F, are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to nerform any act or refuse to comply with any MAV Division of Public Transit requests that would cause the WAV Division of Public control in the event of a conflict with other provisions contained in this Contract. The Vendor shall not perform any act, rail to perform any act, or refuse to comply with any WV Division of Public Transit requests that would cause the WV Division of Public Transit to be in violation of the FTA terms and conditions. 03/11/2009

REQUIRED BID FORMS

The following certifications must be properly completed and furnished by the OFFERER as part of the bid. Failure to submit any of these certifications shall deem the bid non-responsive.

BID FORM #1

BUY AMERICA CERTIFICATION

Bidder or offerer to complete correct certification.

Certificate of Compliance with Section 165(a)

of the Surface Transportation Act of 1982, as a part 661.	ll comply with the requirements of section 165(a) mended, and the applicable regulations in 49 CFF
Date	-
Authorized Signature	-
Company Name	
Name	
Title	
Certificate for Non-Compliance with Section 16. The bidder or offerer hereby certifies that it can 165(a) of the Surface Transportation Assistance an exception to the requirement pursuant to sect Transportation Act of 1982, as amended, and the	not comply with the requirements of section Act of 1982, as amended, but it may qualify for
Date	_
Authorized Signature	_
Company Name	_
Name	_
Title Title	_ .

BID FORM #3

CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

The Primary Participant (applicant for an ETA grant or cooperative agreement, or potential contractor for a major third party contract),
(COMPANY NAME)
certifies to the best of its knowledge and belief, that it and its principals:
1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
(If the primary participant (applicant for an ETA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)
THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),
CERTIFIES OR AFFIRMS THE
TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS
SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE
PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.
Signature and Title of Authorized Official

BID FORM #4

CERTIFICATION OF RESTRICTIONS ON LOBBYING

The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

- 1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- 2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. [as amended by "Government Wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, etseq.)]
- 3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. [Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Vendor,, certifies or affirms the					
truthfulness and accura	y of each statement of its certification and disclosure, if any. In addition,				
the Vendor understands certification and disclos	and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this				
Date	Authorized Signature				
	Title				



Rotary Lift Warranties

Effective August 2010

Limited Warranty Statement

All Rotary/Revolution Lifts are warranted to the original owner. Rotary/Revolution shall replace those parts returned to the factory, which prove upon inspection by to be defective, and pay for reasonable costs of transportation and/or labor for replacement of said parts for the warranty period as stated below. This warranty shall not apply unless the product is installed, operated, used and maintained in accordance with specifications as set forth in Rotary's/Revolution's installation, operation and maintenance instructions. This warranty does not cover normal maintenance or adjustments, damage or malfunction caused by improper handling, installation, abuse, misuse, negligence, carelessness of operation, or normal wear and tear. In addition, this warranty does not cover equipment when unauthorized repairs or alterations have been attempted or made to the product.

To activate the first year parts and labor warranty on SmartLift® and Inbay®, Parallelogram, and MOD Products, the installation shall be done by a Rotary Authorized Installer (RAI) and the product installation registered with the factory.

The remedies described are exclusive and in no event shall Rotary Lift be liable for any special, consequential or incidental damages of any kind including damages for breach or delay in performance of the warranty. All remedies must be completed utilizing a Rotary Authorized Installer.

This warranty is exclusive and all other expressed or implied warranties including merchantability or fitness for a particular purpose are hereby expressly excluded. This warranty shall be governed under the laws of the State of Indiana, and shall be subject to the exclusive jurisdiction of the Court in the State of Indiana in the County of Jefferson.

		Rotary	Lift US and Cana	da	
Model/Series	Labor Warranty	Structure * Parts Warranty	Parts	Functional Parts Warranty if lift installed by an RAI**	
Light Duty Lifts < = 30,000 #	1 Year	5 Years	1 Year	2	Yes (3 yrs)
Heavy Duty Lifts > 30,000 #	1 Year	1 Year	1 Year	1 Year	No
Mach 418/618	1 Year	1 Year	1 Year (see note)	1 Year	No
Accessories	0	1 Year	1 Year	1 Year	No
Replacement Parts	0	90 Days	90 Days	90 Days	No
Replacement Jacks (inground)	0	1 Year	1 Year	1 Year	No
		Revolutio	n Lift US and Can	ıada	
All Models	6 Months	5 years	18 months	No	No
Accessories	0	1 Year	1 Year	No	No
Replacement Parts	0	90 Days	90 Days	90 Days	No

Note: Warranty on Mach 418/618 electrical components is 2 years, 5 years on Hydraulic cylinders, and for the life of the lift on carriage rollers.

^{**} Lift registration and RAI installation is required in order to receive the 2nd year parts warranty as well as the Extended Parts Warranty.

	Optional Extended Parts Warranty	
PART NUMBER	An optional extended parts warranty is available for all complete light duty lift models 30,000 lbs. capacity and below (see above table). In order to purchase extended warranties, the lifts must have been installed by a Rotary Authorized Installer (RAI). The purchase of the 3 years parts extended warranty must occur within the first 12 months of the original invoice	SUGGESTED USER PRICE USD
#LP20041	date. The extended warranty covers parts extended warranty must occur within the list 12 months of the original mivolce date. The extended warranty covers parts replacement including electronic components used on in bay lifts such as switches, membranes, LCD screens, control boards, etc. The extended warranties are not available for accessories.	\$150 each Covers 3 years

^{*} Structural parts are considered the Carriage, Columns, Yokes, Arms, Runways, Plungers, etc. Functional parts are power units, cylinders, hoses, and cables, sheaves, latches, adapters and controls, etc.



SM30/RFL25

SM30 Capacity 30,000 lbs. (15,000 lbs. per axle) 140" Minimum Wheelbase RFL25 Capacity 25,000 lbs. (12,500 lbs. per axle)

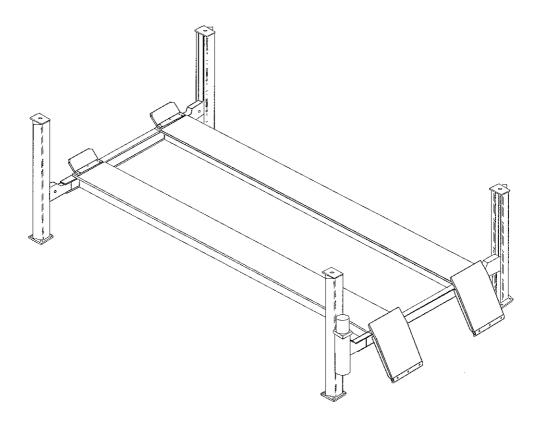


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Owner/Employer Responsibilities

The Owner/Employer:

- Shall ensure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer's operating instructions; ALI/SM01-1, ALI Lifting it Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; ALI/WL Series, ALI Uniform Warning Label Decals/Placards; and in the case of frame engaging lifts, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts.
- Shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and The Employer Shall ensure that lift inspectors are qualified and that they are adequately trained in the inspection of the lift.
- Shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and The Employer Shall ensure that lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.
- Shall maintain the periodic inspection and maintenance records recommended by the manufacturer or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance.
- Shall display the lift manufacturer's operating instructions; ALI/SM 93-1, ALI Lifting it Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and in the case of frame engaging lifts, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts; in a conspicuous location in the lift area convenient to the operator.
- Shall provide necessary lockout/tagout means for energy sources per ANSI Z244.1-1982 (R1993), *Safety Requirements for the Lockout/Tagout of Energy Sources*, before beginning any lift repairs.
- Shall not modify the lift in any manner without the prior written consent of the manufacturer.

SAFETY INSTRUCTIONS

- Never allow unauthorized or untrained persons to operate lift or rolling jacks.
- Shop Policy should prohibit customers or non-authorized persons from being in shop area while lift is in use.
- Thoroughly train all employees in the use and care of lift and rolling jacks.
- **Be Sure** no one is standing in front or behind lift while vehicle is being driven onto or backed off the lift.
- DO NOT allow rear tires or portion of vehicle to interfere with ramp/chocks.
- Be Sure front wheel stops are in raised position before driving vehicle onto lift.
- **Never** allow front wheels to strike the front wheel stops.
- DO NOT permit employees or customers on lift when it is either being raised or lowered.
- Always stand clear of lift when raising or lowering and observe "Pinch Points" Warning.
- **Never** overload lift: capacity of lift is 30,000 lbs. for SM30 (15,000 lbs. per axle) 25,000 lbs. for RFL25 (12,500 lbs. per axle). **CAPACITY SHOULD NOT BE EXCEEDED.**
- **Always** engage parking brake and use the rear wheel chocks to keep the vehicle from rolling freely on the runways.
- Always lower lift on locks before working on vehicle.
- **Keep** area around lift clean of tools, debris, grease, and oil.
- Always keep runway clean.
- **Replace** all caution, warning, or safety related decals on the lift when unable to read or missing.
- For Rolling Jack Safety Instructions see Rolling Jack Installation, Operation and Maintenance Instructions in the rolling jack box.

SAFETY WARNING LABELS for Four-Post Surface Mounted Roll-on Lifts

- A. The following pictograph labels are located, as shown, on the lift power unit column.
- B. Observe and heed Safety and Warning labels on the lift.

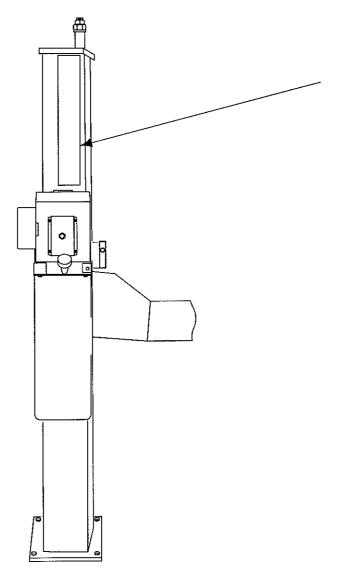


Fig. 1



OPERATING INSTRUCTIONS

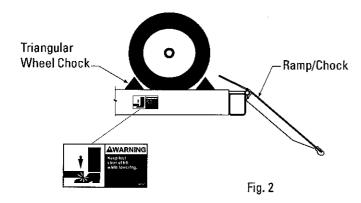
AWARNING To avoid personal injury and/or property damage, permit only trained personnel to operate lift. After reviewing these instructions, get familiar with lift controls by running the lift through a few cycles before loading vehicle on lift. Observe and heed SAFETY and WARNING labels on the lift.

Loading:

- 1. Lift must be fully lowered and no one in service bay while the vehicle is brought on lift.
- 2. Drive vehicle onto lift and center it on runways. At all times, be sure rear wheels are forward of the ramp/chocks and the ramp/chocks will clear tires when the lift is raised, Fig. 2. Driver and passengers must exit before raising.
- 3. Place triangular wheel chocks on each side of one rear tire, Fig. 2.

Raise Lift:

- 1. Push the RAISE button on the power unit. Release button at desired height, Fig. 3.
- 2. Lower onto locks.



Before Lowering Lift:

Be sure no one is in the lift area and that all tools, tool trays, etc. have been removed from under the lift.

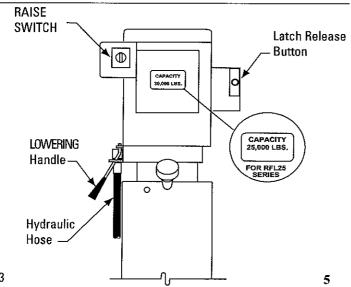
AWARNING The runways, ramps and connecting yokes at each end of lift are designed to rest on the floor when fully lowered. Observe pinch point warning decals.

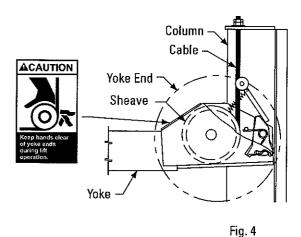
To Lower Lift:

Note: If button on air valve is released, the latches will automatically reset to the engaged position.

- 1. If lift has been resting on the locking latches, lift must be raised high enough for all four latches to clear the latch bar slots inside the columns.
- 2. Push the latch release button on power unit, Fig. 3, to disengage all four (4) locking latches.
- 3. Keeping the latch release button depressed, push lowering valve handle on the power unit to lower lift, Fig. 3. Lowering speed can be controlled by the force applied to the lowering valve handle.
- **4.** Observe lift and vehicle to be sure lift is level while being lowered. If not, **STOP.** Repeat Steps 1 through 4.
- 5. Fully lower lift, remove the triangular wheel chocks and check to be sure area is clear before removing vehicle from lift.
- **6.** If your lift is not operating properly, **DO NOT** use until adjustments or repairs have been made by qualified lift service personnel.

ACAUTION Keep hands clear of yoke ends while the lift is being raised or lowered, Fig. 4.





Maintenance Instructions

AWARNING If you are not completely familiar with automotive lift maintenance procedures, **STOP**: Contact factory for instructions.

To Avoid Personal Injury, permit only qualified lift service personnel to perform maintenance on this equipment.

- **Use** only genuine Rotary Replacement Parts for repairs.
- Always: Raise lift when cleaning floor area.
- After First 2 Weeks of Usage: Check cable adjustment per installation instructions. Continue to check cables per maintenance schedule below.
- After First 2 Weeks of Usage: Check torque on the column anchor bolts per installation instructions. Continue to check anchor bolts per maintenance schedule that follows.
- **Daily:** Check all column, lift/runway attaching bolts for tightness.
- Daily: Check cables and sheaves for wear. Observe for frayed cable strands. Wipe cables with a rag to detect hard to see small broken cable strands. Replace cables showing any broken strands. Replace worn parts as required with genuine Rotary parts.

- **Daily:** Inspect front wheel stops and ramp/chocks for damage or excessive wear. Replace as required.
- **Daily:** Check locking latch operation and reset. Adjust per instructions or repair if required.

AWARNING If slack cable arm is bent, replace immediately. Refer to illustration below.

- **Monthly:** Check torque on the column anchor bolts per specifications in installation instructions.
- **Monthly:** Check equalizer cable tension. Adjust per lift installation instructions. If there are no more threads available for adjustment, replace the cable. Do not use washers to stand off the nut to use previously used threads.
- Semi-Annually: Check fluid level of lift power unit and refill if required. If fluid is required, inspect all fittings, hoses, and seals. Repair as required.

IMPORTANT Cable adjustment should be checked by a Rotary Authorized Installer after the first 50 loaded lift cycles and after 300 loaded lift cycles.

Replace Bent Slack Cable Arm

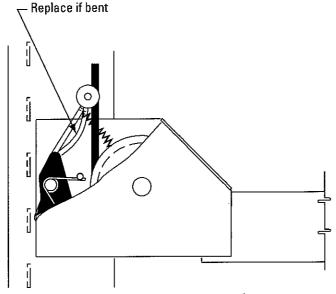


Fig. 5

Trouble Shooting

Trouble	Cause	Remedy
Motor does not run.	 Check fuse or circuit breaker. Check for correct voltage to motor. Inspect all wiring connections. Switch burned out. Motor windings burned out. 	 Replace blown fuse or reset circuit breaker. Supply correct voltage to motor. Repair and insulate all connections. Replace switch. Replace motor.
Motor runs but will not raise lift.	 Open lowering valve. Pump sucking air. Suction stub off pump. Low fluid level. 	 Repair or replace lowering valve. Tighten all suction line fittings. Replace suction stub. Fill tank with Dexron III ATF.
Motor runs—raises unloaded lift but will not raise vehicle.	 Motor running on low voltage. Trash in lowering valve. Improper relief valve adjustment. Overloading lift. 	 Supply correct voltage to motor. Clean lowering valve. Replace relief valve cartridge. Check vehicle weight and/or balance vehicle weight on lifts.
Lift slowly settles down.	 Trash in check valve seat. Trash in lowering valve seat. External fluid leaks. 	 Clean check valve. Clean lowering valve. Repair external leaks.
Slow lifting speed or fluid blowing out filler breather cap.	 Air mixed with fluid. Air mixed with fluid suction. Fluid return tube loose. 	 Change fluid to Dexron III ATF. Tighten all suction line fittings. Reinstall fluid return tube.
Lift going up unlevel.	 Cables out of adjustment. Lift installed on unlevel floor. 	 Adjust slack out of cable. Shim lift to level columns (Not to exceed 2").
		Note: Maximum shim thickness of 2" is possible by using shim kit. Contact your Product Service Consultant for ordering information.
Lift stops short of full rise or chatters.	1. Low on fluid.	 Check fluid level and bleed cylinder. If fluid is required inspect all fittings, hoses, and seals. Repair as required.
Anchors will not stay tight.	Holes drilled oversize.	Use a fast setting cement to pour into oversize holes and reset anchors or relocate lift using a new bit to drill
	Concrete floor thickness or holding strength not sufficient.	holes. 2. Break out old concrete and repour new pads for lift per installation instructions.
Lift will not lower.	1. Insufficient air supply to lift.	 Check air pressure. Air supply to lift should be between: Min. 100 p.s.i. and Max. 120 p.s.i. Check all lines and fittings for leaks or crimps. Repair or replace as required.
	2. Latches out of adjustment.	 Check latches per installation instructions.

Lift Lockout/Tagout Procedure

Purpose

This procedure establishes the minimum requirements for the lockout of energy that could cause injury to personnel by the operation of lifts in need of repair or being serviced. All employees shall comply with this procedure.

Responsibility

The responsibility for assuring that this procedure is followed is binding upon all employees and service personnel from outside service companies (i.e., Authorized Rotary Installers, contactors, etc.). All employees shall be instructed in the safety significance of the lockout procedure by the facility owner/manager. Each new or transferred employee along with visiting outside service personnel shall be instructed by the owner/manager (or assigned designee) in the purpose and use of the lockout procedure.

Preparation

Employees authorized to perform lockout shall ensure that the appropriate energy isolating device (i.e., circuit breaker, fuse, disconnect, etc.) is identified for the lift being locked out. Other such devices for other equipment may be located in close proximity of the appropriate energy isolating device. If the identity of the device is in question, see the shop supervisor for resolution. Assure that proper authorization is received prior to performing the lockout procedure.

Sequence of Lockout Procedure

- 1) Notify all affected employees that a lockout is being performed and the reason for it.
- 2) Unload the subject lift. Shut it down and assure the disconnect switch is "OFF" if one is provided on the lift.
- 3) The authorized lockout person operates the main energy isolation device removing power to the subject lift.
 - If this is a lockable device, the authorized lockout person places the assigned padlock on the device to prevent its unintentional reactivation. An appropriate tag is applied stating the person's name, at least 3" x 6" in size, an easily noticeably color, and states not to operate device or remove tag.
 - If this device is a non-lockable circuit breaker or fuse, replace with a "dummy" device and tag it appropriately as mentioned above.
- 4) Attempt to operate lift to assure the lockout is working. Be sure to return any switches to the "OFF" position.
- 5) The equipment is now locked out and ready for the required maintenance or service.

Restoring Equipment to Service

- 1) Assure the work on the lift is complete and the area is clear of tools, vehicles, and personnel.
- 2) At this point, the authorized person can remove the lock (or dummy circuit breaker or fuse) & tag and activate the energy isolating device so that the lift may again be placed into operation.

Rules for Using Lockout Procedure

Use the Lockout Procedure whenever the lift is being repaired or serviced, waiting for repair when current operation could cause possible injury to personnel, or for any other situation when unintentional operation could injure personnel. No attempt shall be made to operate the lift when the energy isolating device is locked out.

Operating Conditions

Lift is not intended for outdoor use and has an operating ambient temperature range of 41°-104°F (5°-40°C).

APPROVED ACCESSORIES						
Item	Capacity	Part Number				
Air/Electric Utility Box		FA915				
Air/Electric Utility Box Without FRL		FA916				
Rolling Jack	15,000 lbs.	RJ15000				

Notes

Notes

THE THE THE TANK THE Certificate of Compliance

Rotary Lift is authorized to apply ETL & cETL Listing Marks/Labels to this AC Motor. Authorization: ETL Report No. J98007541-003, FAM -UL73 . This ETL test certifies that this AC Motor complies with Underwriters Laboratories, Inc. standard ANSI/UL 73, 8th Edition & CSA standard C22.2 No. 68-92.

SV0021 A Rev. 6/9/99

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

Replacement Parts: See installers package for parts breakdown sheet. Order Genuine Rotary replacement parts from your nearest Authorized Parts Distributor.

Maintenance Assistance: Contact your local Rotary distributor.

Should further assistance be required, contact Rotary Lift, at one of the phone numbers listed below.

Rotary World Headquarters

2700 Lanier Drive Madison, IN 47250, USA www.rotarylift.com

North America Contact Information

Tech. Support: p 800,445,5438

f 800.578.5438

e userlink@rotarylift.com

Sales: p 800.640.5438

f 800.578.5438

e userlink@rotarylift.com

World Wide Contact Information

World Headquarters/USA: 1.812.273.1622 Canada: 1.905.812.9920

European Headquarters/Germany: +49.771.9233.0

United Kingdom: +44.178.747.7711 Australasia: +60.3.7660.0285

Latin America / Caribbean: +54.3488.431.608

Middle East / Northern Africa: +49.771.9233.0





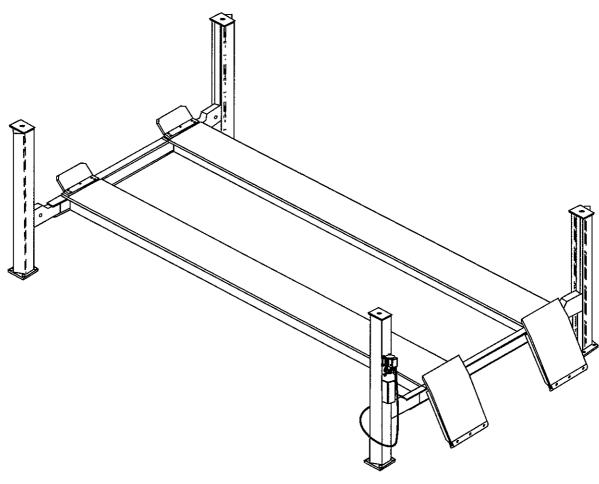






SM30/RFL25

SM30 Capacity 30,000 lbs. (15,000 lbs. per axle) 140" Minimum Wheelbase RFL25 Capacity 25,000 lbs. (12,500 lbs. per axle)



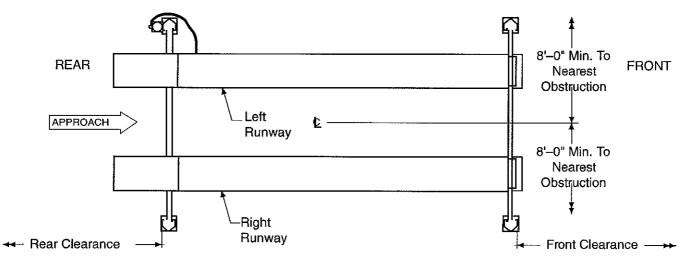
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Required Clearances



Rear Clearance (Min. 5'-6" for SM30's, 8'-6" for RFL25's) = rear overhang of longest vehicle + required work space

Front Clearance = front overhang of longest vehicle + required work space



Read and understand Installation Instructions completely before starting with lift installation.

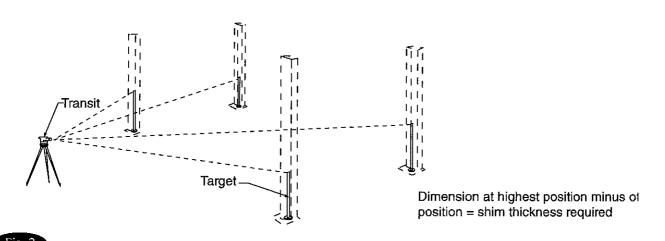
- 1. Lift Location: Use architects plan when available to locate lift. Fig. 1 shows dimensions of a typical bay layout. For power unit at right front, rotate lift 180°, leaving ramp/ chocks and wheel stops in original position. Lift floor area should be level.
- AWARNING DO NOT install on asphalt or other similar unstable surfaces. Columns are supported only by anchors in floor.

Note: If runway extensions are used, an additional 3'-0" of clearance must be added to end with extensions.

- 2. Ceiling or overhead clearance must be 80" plus height of tallest vehicle.
- 3. Estimating Column Shim requirements:

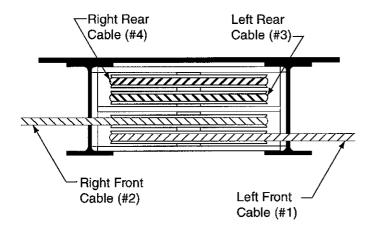
In the following section, the terms "highest" and "lowest" refer to elevation of floor.

- A. Mark locations where lift columns will be positioned in bay.
- B. Place target at column positions and record readings, Fig. 2.
- C. Find the highest of the four (4) locations. Find the difference between the reading at each of the remaining three (3) columns and the highest reading.
- D. The difference is the estimated amount of shim thickness needed at each column.

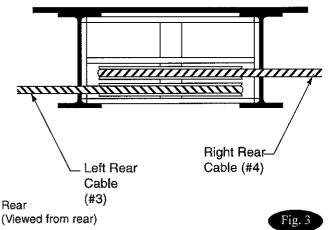


Estimation Shim Requirements

Cable Seating in Sheave Grooves



Front (Viewed from front)



E. Maximum shim thickness of 2" is possible by using shims and anchors provided with lift. If more shimming is required, consult factory for different shim package including longer anchor bolts.

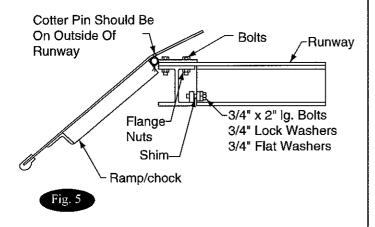
4. Runway and Yoke Assembly:

- A. Determine direction of approach in bay.
- B. Position left runway in bay with hydraulic cylinder hose connection to rear of bay. Cables and sheaves are preassembled in runway. Runway needs to be up off floor so shipping restraints can be removed from cable ends, air and hydraulic lines, and cylinder rod. Pull cables, air and fluid lines out for assembly. Make sure cables are in proper sheave grooves, Fig. 3.
- C. Position front and rear yokes at respective ends of runway, Fig. 1. Feed cable ends through yoke end, Fig. 4.Do not assemble sheaves in yoke ends at this time.

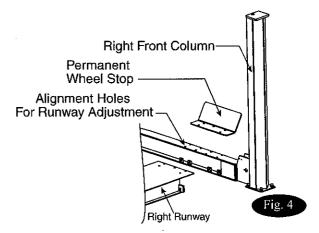
IMPORTANT

Be sure cables are not crossed inside yoke.

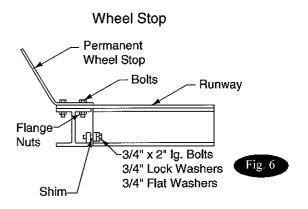
Ramp/Chock

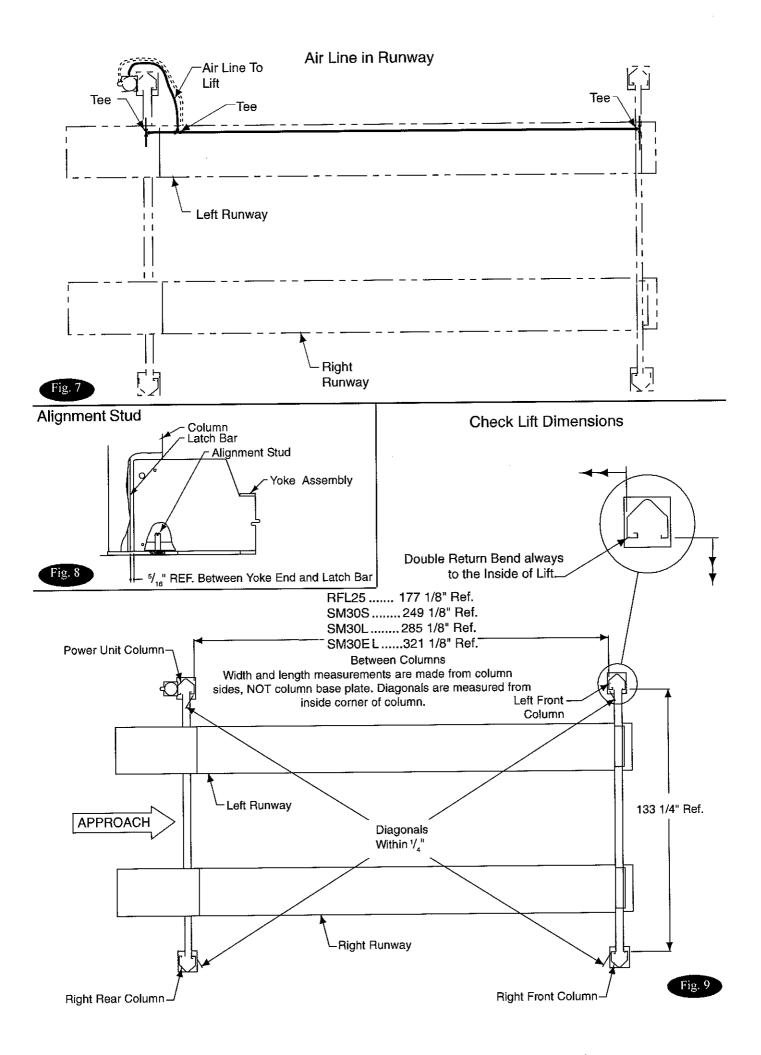


Feed Cable Ends Through Yoke End



- D. Lay right runway in place on yoke. Slide right runway toward outside of lift until holes in yoke and runway line up, Fig. 4. Hold runway in place and bolt on ramp/chock and wheel stops to runway using ten $\frac{5}{8}$ " x 2 $\frac{1}{2}$ " bolts and flange nuts. Square up yokes with runways using four $\frac{3}{4}$ "-10NC x 2" lg. bolts, $\frac{3}{4}$ " flat washers, $\frac{3}{4}$ " lock washers, and shims. Ramp/chocks go on rear, Fig. 5. and Fig. 6. Repeat for left runway.
- E. Insert each end of the left runway's 1/4" air line into the Tee's connecting the locking latch air cylinders in each yoke, Fig. 7.





5. Columns:

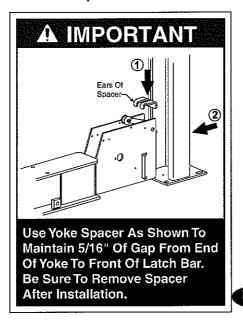
Note: Columns are not interchangeable. They must be set at their respective corner of the lift. Column double return bend is always to inside of lift, Fig. 9. Place the power unit column at the left rear corner of the lift. The point where the hydraulic hose passes through side of left runway should be visible from this corner. Insert alignment stud through hole in yoke end and thread into base plate of column, Fig. 8. Repeat for other columns.

IMPORTANT The yoke/column alignment studs MUST be used for proper centering of columns to yokes, Fig. 8. A gap of ⁵/₁₆" must be maintained between column and yoke. See step 6 B. Note: It may be necessary to remove Plastic Slider from Column Stop on yoke end, Fig. 10, before aligning yoke in column. After yoke is in column, reinstall Plastic Slider and secure with ⁵/₁₆" button head screw.

6. Anchoring:

Keep columns square to center line of lift. Check lift location in the bay, Fig. 1. Check dimensions side-to-side, front-to-rear, and diagonally. Diagonals must be equal to within \(^1/_4\), Fig. 9. For each column:

- A. Minimum recommended concrete specifications is 3,000 PSI, 5-1/2" to 6" thick and should sustain 2,000 lb. anchor load.
- B. Start with power unit column. Use yoke spacer tool to ensure $\frac{5}{16}$ gap between column and yoke. Place yoke spacer tool on yoke end, Fig. 8a, with ears facing away from column. Slide yoke spacer tool so that the end of the tool opposite the ears is against the side of the yoke end facing the column.
- C. Use shims provided to shim column base to plumb columns, first fore and aft then side to side. Use a 4' level to check plumb of columns. Recheck ⁵/₁₆" gap between column and yoke with yoke spacer tool. Maximum shim thickness is 2", Fig. 12. If more shimming is required, consult factory for different shim package including longer anchor bolts. Drill four ⁵/₈" diameter holes through concrete floor using base holes as guide, Fig. 11. Repeat for other columns.
- D. Insert base anchors, Fig. 11. Repeat for other columns. Tighten nuts. Recheck columns for plumb. Re-shim if necessary. Torque anchor bolts to 35-45 ft. lbs., Fig. 11. If anchor bolts do not hold when torqued to required amount, concrete must be replaced. Saw cut and remove 24" x 24"

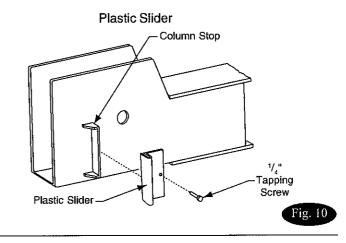


square area under each column base.

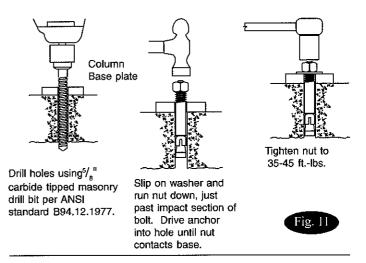
Repour with reinforced # 3000 minimum concrete to depth of 6", keying new concrete under existing floor.

7. Cable Connection:

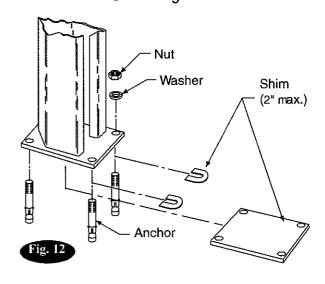
Install yoke end sheaves, Fig. 13. Retain with sheave pin and ⁵/₁₆" pan head machine screw, Locktite the screw threads. Attach each cable to column top plate with nut and jam nut. Install sheave covers on each yoke end, Fig. 13. Roping diagram shows a view of completed roping, Fig. 14.



Anchor Installation



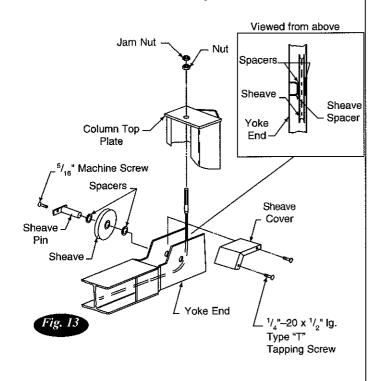
Shimming Column



8. Adjust Cable: Adjust all cables with lift fully lowered.

Loosen cable jam nut. Tighten adjusting nut on cable stud on top of column until yoke end is raised 1/4". Back off adjusting nut one (1) turn. Tighten jam nut. Do this for all four (4) cables. See Fig. 13.

Attaching Cables

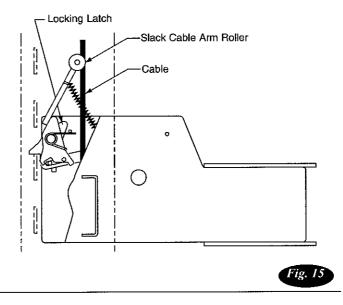


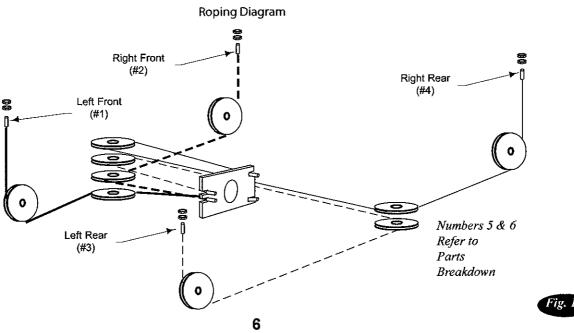
[MPORTANT] Cables must fit in slack cable arm rollers, Fig. 15

9. Power Unit:

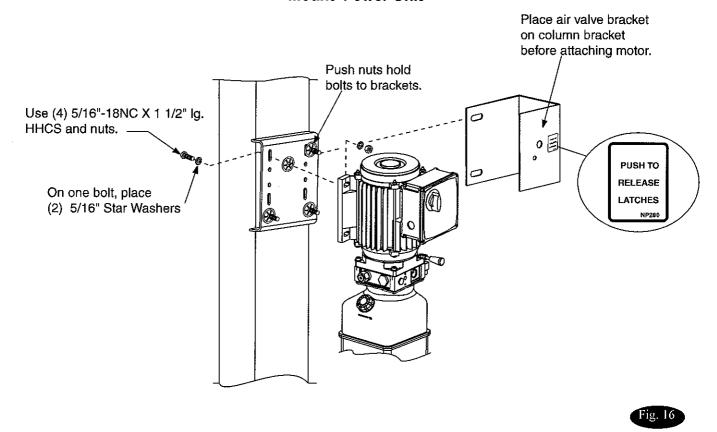
- A. Align Air Valve Bracket with holes in right side of column bracket, Fig. 16.
- B. Put four ⁵/₁₆" x1- ¹/₂" lg. hex. bolts through holes in column bracket, using push-nuts to hold in place.
- C. Mount power unit, with motor up, to the column bracket and install four ⁵/₁₆" lock washers and nuts.
- D. Run hydraulic hose from runway through slot in side of runway to power unit output port, Fig. 17. DO NOT use Teflon tape on hydraulic hose connections. Install and hand tighten elbow to pump until O-ring is seated and elbow should be oriented downward at approximately 45°, Fig. 17. Tighten locknut to 35-40 ft. lbs.
- E. Install enclosed capacity label on power unit, Fig. 17.
- 10. Electrical: Have a certified electrician run 230 volt single phase 60 Hz. power supply to motor, Fig. 18 and 19. Size wire for 20 amp. circuit. See Motor Operating Data table.

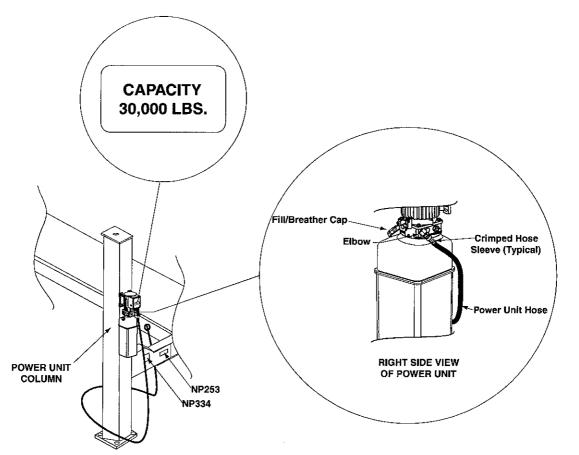
Cable in Slack Cable Arm Rollers





Mount Power Unit





Note: Motors utilizing 3 phase current available. Refer to wiring drawing in 3 phase power unit carton.

IMPORTANT Use separate circuit for each power unit. Protect each circuit with time delay fuse or circuit breaker: single phase -30 amp.; 3 phase (230v) -15 amp.; 3 phase (460v) -8.75 amp, Fig. 21. Wiring must comply with local electrical codes.

Note: Motor **CAN NOT** be run on 50Hz. line without a physical change in the motor.

AWARNING Risk of explosion. This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors. It should not be located in a recessed area or below floor level.

Wiring Diagram

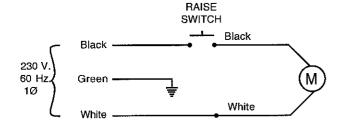


Fig. 18

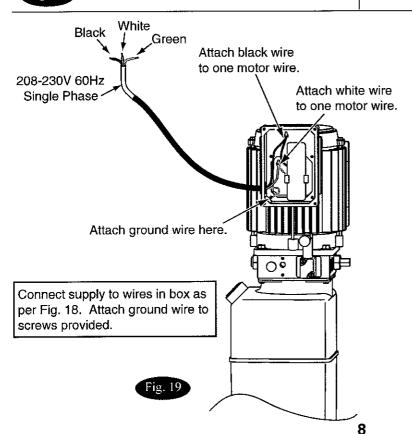
NEED ASSISTANCE? CALL: 1-800-445-5438 OUR CUSTOMER SERVICE DEPARTMENT WILL BE GLAD TO HELP.

Motor Operating Data Table

MOTOR OPERATING DATA - SINGLE PHASE

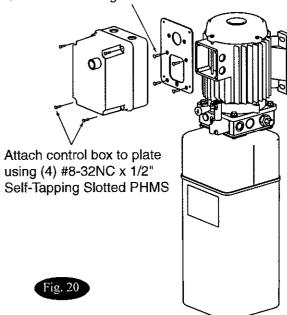
LINE VOLTAGE OF POWER CO. RUNNING MOTOR VOLTAGE RANGE

208V - 230V 60 HZ 197V - 253V



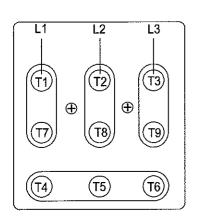
FOR 3 PHASE POWER UNITS ONLY:

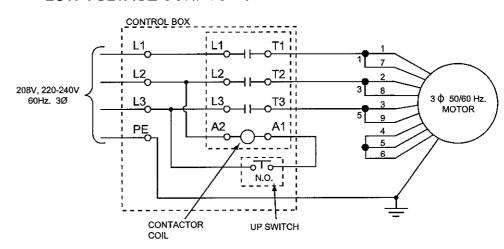
Attach Control Plate to Motor using (4) 5mm-.80 x 8mm lg. Flat Head Machine Screws



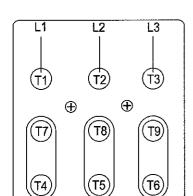
MOTOR OPERATING DATA - THREE PHASE		
LINE VOLTAGE	RUNNING MOTOR	
VOLTAGE RANGE		
208-230 VOLTS 60HZ	197 - 253 VOLTS	
460 VOLTS 60HZ	414 - 506 VOLTS	

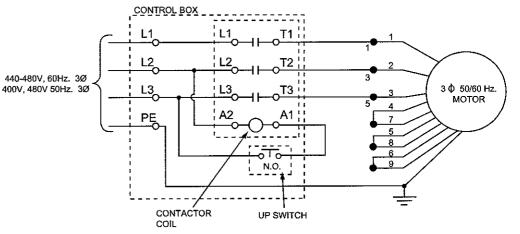
LOW VOLTAGE CONNECTION





HIGH VOLTAGE CONNECTION





L	T1	RED	T6	BLACK "T"
шОш	T2	BLUE	T7	BROWN
G	Т3	WHITE	T8	YELLOW
N	T4	BLACK "R"	Т9	GREEN
D	T5	BLACK "S"		

L	T1	WHITE	T6	BLACK
Ē	T2	RED	T7	WHITE
G E	T3	BROWN	T8	RED
N	T4	WHITE	Т9	BLUE
D	T5	RED		

Two different wiring colors were used. Determine appropriate LEGEND.

11. Fluid Filling:

ACAUTION If fill/breather cap, Fig. 17, is lost or broken, order replacement. **DO NOT** substitute with a solid plug.

- A. System capacity is twenty-two (14) quarts. Use Dexron III ATF. Remove fill/breather cap and fill vent screw, Fig. 17.
- B. Add fluid until it reaches the fill line.
- C. Replace fill/breather cap.
- D. Start motor and raise lift to full rise. Lower the lift onto the locking latches.
- E. REMOVE ALIGNMENT STUDS from all four (4) column bases, Fig. 8.

IMPORTANT Lift must be fully lowered before changing or adding hydraulic fluid.

12. Connecting Air Supply:

Note: Locking latches require 100 p.s.i. min to 120 p.s.i. max. air pressure

IMPORTANT A filter/regulator/lubricator must be installed on air supply at lift. Failure to do so will void the warranty.

A. Connect air valve to Reducing Tee, Fig. 24. Cut provided ¹/₄" air line tubing with sharp blade to length as required. Tubing must be cut square with no burrs.

Note: To assemble air line tubing into fitting, use firm, manual pressure to push tubing into fitting until it bottoms, Fig. 23. If removal of the air line tubing from the fitting is ever required, hold Push Sleeve in (against fitting) and, at the same time, pull out on tubing.

[IMPORTANT] Tubing must bottom out in valve or fitting (approx. ³/₄") or it will leak.

B. Use Housing Collar to secure the Air Valve to the Air Valve Bracket, Fig. 24.

Seating Air Line Tubing Air Line Tubing

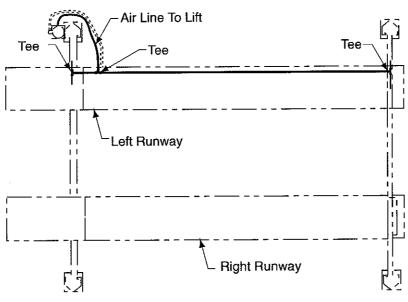
Fig. 2

C. Attach enclosed NP280 decal ("PUSH TO RELEASE LATCHES") below button on air valve bracket, Fig. 16.

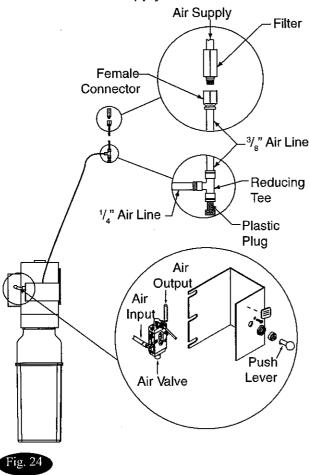
Push

- D. Run ¹/₄" air line from air valve to the slot in the fixed runway. Cut airline to length required and attach to Tee in runway, Fig. 22.
- E. Connect Reducing Tee to female connector, Fig. 24, using ³/₈" air line tubing. Attach filter to female connector and connect into existing facility air supply. Make sure plastic plug is in bottom opening of Reducing Tee.
- F. Check for air leaks by depressing air valve. Repair as required.
- G. Use provided cable ties to tie air line to hydraulic hose between power unit and lift.
- H. Actuate air valve and check latch operation on all four (4) corners. When releasing locks, the locking latch should pull back flush with yoke end to clear the latch bar located in all four (4) columns, Fig. 24. Adjust, if required, by removing cotter pin and washer holding Slotted Bracket on locking latch and screwing Slotted Bracket in to move it toward the air cylinder. After adjustment, replace washer and secure Slotted Bracket with a NEW cotter pin. Tighten jam nut. Apply Loctite® to jam nut to hold in place.
- I. Use cable ties provided to tie ³/₈" air supply to electrical supply conduit at approximately 2'-0" intervals.

Air Line in Lift



Connect Air Supply to Air Valve



13. Bleeding: Raise and lower lift (6) times. The cylinder is self-bleeding. After bleeding system, replace fill vent screw.

Note: Some fluid may be exhausted from the cylinder breather vent during bleeding of the system.

14. Pressure Test: To pressure test, run lift to full rise and run motor for approximately five (5) seconds. Stop and check all hose connections. Tighten or reseal if required. Lower lift. Check fluid level in reservoir. Fill as required per instrustions in Step 11.

15. Final Adjustmemt:

- A. Load vehicle, such as a 3/4 ton pickup or van onto lift.
- B. Raise lift as high as it will travel (full height). As the lift is raised, note in which rear column locking latch clicks into slot at same time as the first column.
- C. Adjust cable in other rear column so that its locking latch clicks into slot at same time as the first column.

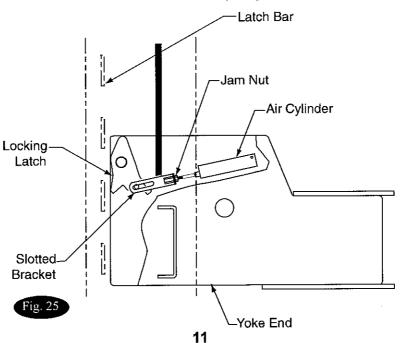
There must be a minimum of two (2) threads above the nut after adjustment.

- D. Raise lift again. This time listening for the first front latch to click into place. Adjust this simultaneously with the rear columns.
- E. Do the same for the remaining front column.
- F. Tighten jam nuts and lower lift.

Note: Latches may not click in at the same time when vehicle is being raised. They should be closed. Be sure all four (4) corners have passed the locking latch bar slot before lowering lift on locking latches.

Note: Replace any missing hardware with Grade 5 or higher.

only. Replace any cotter pin, if removed, with new cotter pin.



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 10.3.07 - Issue new literature.

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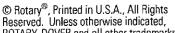
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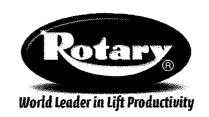
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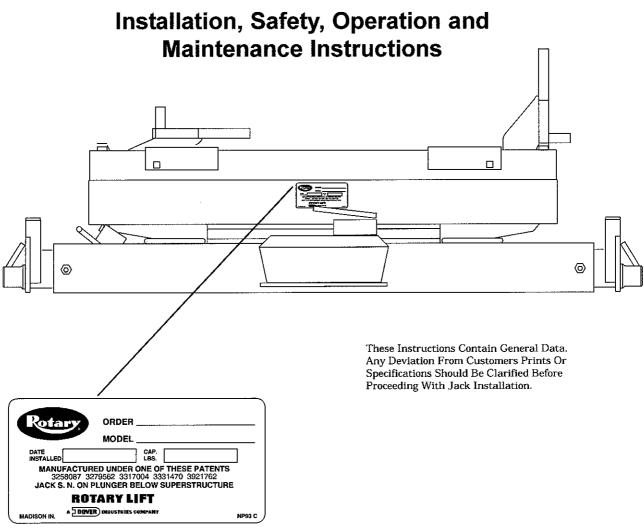


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FC5710-75 Rolling Jack

Capacity:15,000 lbs.



Record this information for further reference.

INSTALLATION INSTRUCTIONS

1. Rolling Jack Installation:

- A. If runways are set at narrow position, adjustable runway may need to be moved out of the way to insert bridge.
- B. Loosen the four (4) telescoping end lock bolts, Fig. 1. Push both ends into the fully retracted position.
- C. Center jack between runways.
- D. Pull telescoping ends out until runway beams reach the "V" of each of the roller flanges, refer to inset in Fig. 1.
- E. Adjust end bolts out until bolt end bears against telescoping end, Fig. 2. Tighten jam nut. Repeat for other telescoping end.

IMPORTANT For runways set in the wide position, short end bolts **must** be replaced with $1^{1}/_{2}$ "-13NC Hex Cap Screw HS x $4^{1}/_{2}$ " lg.

Replace and tighten the lock bolts. Roll the jack the full length of the lift to insure free movement. Adjust again if needed.

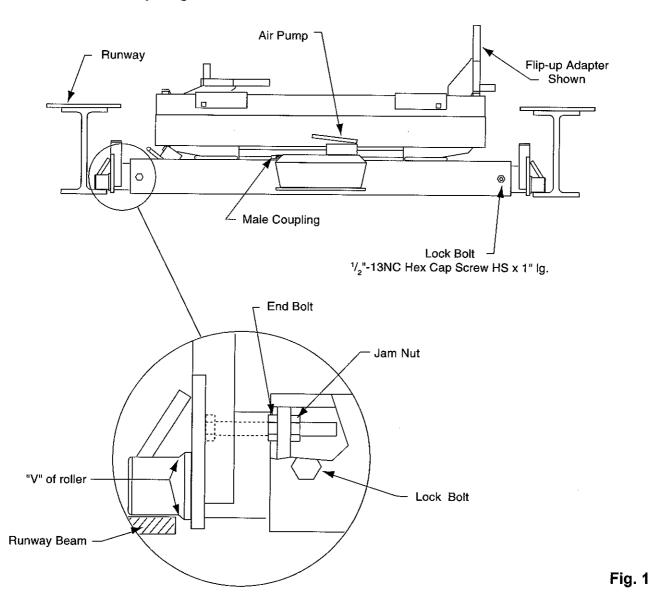
Note: There must be $1^3/_8$ " of roller engagement on the beam at all times.

- 2. Install a male quick disconnect coupling at the air pump to match shop fittings.
- Required air pressure for maximum capacity is 100-120 psi at 25 CFM. Install a filter/regulator/lubricator at the point where the air supply for the lift branches off the main supply. This protects the FC5710 components and increases operating life and efficiency.

IMPORTANT

A filter/regulator/lubricator must be installed on air supply at lift. Failure to do so will void the warranty.

 Capacity/serial number/model number of the rolling jack are stated on the nameplate. DO NOT overload the jack.



Telescoping End (top view)

End Bolt for **narrow** runways: $\frac{1}{2}$ "-13NC Hex Cap Screw HS x 1" lg.

End Bolt for wide runways: $\frac{1}{2}$ "-13NC Hex Cap Screw HS x $4\frac{1}{2}$ " lg. Lock Bolt -**End Boit** Jam Nut Lock Bolt

Fig. 2

OPTIONS

- FD2200 FRONT AXLE ADAPTER, INSERTS AVAILABLE
- FD2167 ADAPTER

SAFETY INSTRUCTIONS

- Never allow unauthorized or untrained persons to operate rolling jack.
- Thoroughly train all employees in the use and care of rolling jack.
- Never overload rolling jack. Capacity of rolling jack is stated on the nameplate. Capacity should not be exceeded.
- Observe and avoid any pinch point areas of the linkage mechanism.

OPERATING INSTRUCTIONS

WARNING To avoid personal injury and/or

property damage, permit only trained personnel to operate jack. After reviewing these instructions, get familiar with jack controls by running the jack through a few cycles before loading vehicle on jack.

Observe and avoid any pinch point areas of the linkage mechanism.

1. Place jack under vehicle at manufacturer's recommended pick up points. Extend adapter assemblies and use flip-up adapters or auxiliary adapters for under chassis clearance when required.

CAUTION

Allow 12" minimum clearance between vehicle and nearest over-

head obstruction before raising vehicle above runways. Failure to comply could damage vehicle and/or cause personal injury.

- 2. To Raise Rolling Jack: Connect air supply. Depress RAISE toggle switch and hold until jack is raised to full height and locking latch engages, Fig. 2.
- 3. To Lower Rolling Jack: Raise off latch. Release locking latch by lifting up on release handle. Push down on RELEASE end of pump lever.

Note: The Latch release handle is gravity return to "reset" and the lowering valve handle is spring return to "close" when released. Both must be held open during the lowering cycle. DO NOT override these "deadman" features.

4. Be sure the jack is fully lowered, the adapters are in their lowest position, and bridge(s) are pushed toward front of lift before driving the vehicle off the lift.

MAINTENANCE INSTRUCTIONS

WARNING

If you are not completely familiar

with automotive lift maintenance procedures STOP: Contact factory for instructions.

TO AVOID PERSONAL INJURY, permit only qualified personnel to perform maintenance on this equipment.

- Daily: Inspect rolling jack adapters for damage or excessive wear. Replace as required with genuine Rotary Parts.
- · Daily: Inspect air/hydraulic system for leaks.
- · Daily: Inspect for loose bolts, broken/damaged components. Be sure telescoping end bolts are tight and ends properly adjusted.
- Daily: Inspect locking latch mechanism for broken/ damaged/worn components. Replace as required with genuine Rotary Parts.

· Semi-Annually: Check fluid level in hydraulic reservoir.

Fluid Level Checking Procedure:

- 1. Completely lower rolling jack
- 2. Disconnect air supply
- 3. Wipe reservoir clean to prevent contamination of fluid.
- 4. Remove fill plug and check fluid level. Fill as required to bottom of fill hole with fluid complying with MIL-H-5606. Take care to prevent contamination during filling operation.
- 5. Reinstall plug hand tight only.

Note: Repair/Replace as required with original equipment parts.

- "		
Trouble	TROUBLE SHOOTING Cause	Remedy
Pump will not start when air toggle is depressed, or pump starts but stalls under load.	1. Insufficient air supply at pump.	1. Pump requires 90-120 psi of air at 15 CFM to run.
	 Leak in air supply line. Restriction in air line (i.e. kinks or plugs). 	2. Locate and correct leakage.*3 Locate and correct restriction.
	4. Plugged air filter.5. Bad air motor.	 Remove and install a new filter. Replace or repair air motor.
Pump runs but jack will not raise after contacting load.	 Jack loaded beyond capacity. External fluid leak at pump, hose or cylinder . 	 Use jack only to rated capacity. Repair leak, refill reservoir.*
	3. Internal leakage.	Have pump serviced by an au- thorized service center.
	Release mechanism damaged or parts missing.	Replace damaged or missing parts.
	5. Pump low on fluid.	5. Lower jack and check fluid level. Fill with fluid complying with MIL-H-5606. Locate and correct leak.*
	6. Fluid blowing out rear cover of air motor.	6. Pump piston seal leaking, have pump serviced by an authorized service center.
	7. Pump malfunctioning.	7. Have pump serviced by an authorized service center.
Pump runs but jack will not raise to full height.	1. Pump low on fluid.	 Lower jack and check fluid level. Fill with fluid complying with MIL-H-5606. Locate and correct leak.*
Jack drifts down - will not hold.	1. Release mechanism damaged or	1. Replace damaged or missing
	parts missing. 2. External leakage.	parts. 2. Locate leak and repair. Refill
	3. Internal leakage.	reservoir. 3. Have pump serviced by an authorized service center.
Jack lowers slow or not at all.	Jack locking latch not released.	Release locking latch.
	Release mechanism damaged or parts missing.	Replace damaged or missing parts.
	3. Return flow of fluid restricted or blocked.	3. Eliminate blockage. AWARNING If rolling jack is in the raised position, be sure to activate the mechanical locking device prior to attempting to service the unit. Failure to do so may cause jack to drop out of control.
	4. Internal return flow restrictor is plugged.	4. Have pump repaired by an authorized service center.
Locking Latch mechanism does not release.	 Insufficient airflow to Release mechanism. Leak in air supply line. 	 Pump requires 90-120 psi of air at 9 CFM to run. Locate and correct leakage.
	3. Restriction in air line (i.e. kinks or plugs).	3 Locate and correct restriction.
	4. Plugged air filter.5. Bad air cylinder.	4. Remove and install a new filter.5. Replace or repair air cylinder.

Notes:

Notes:

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.

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	RFQ No
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STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited fiability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality, county board of education; any instrumentality established by a county or municipality, any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name:			
Authorized Signature:		Data	
State of		Date:	
County of, to-wit:			
Taken, subscribed, and sworn to before me thi	sday of	on .	
My Commission expires	20	, 20	
AFFIX SEAL HERE	NOTARY PUBLIC		