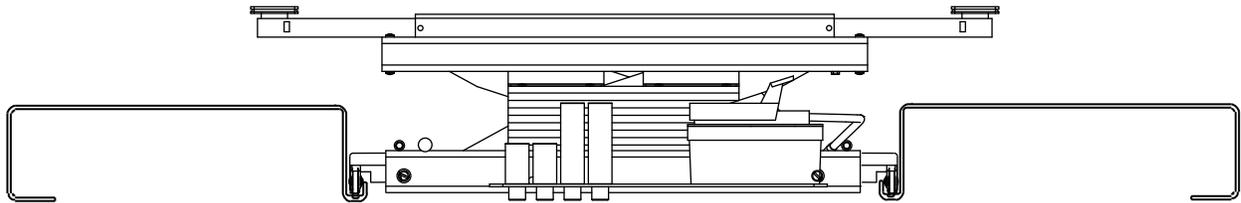


FRJ4500/RRJ70G/RJ70G Installation, Safety, Operation And Maintenance

RRJ70G.....Capacity 7000 lbs.

RJ70G.....Capacity 7000 lbs

FRJ4500.....Capacity 4500 lbs



Parts Breakdown Included

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/SM07-1, ALI Lifting it Right safety manual; ALI/ST-05 ALI Safety Tips card; ANSI/ALI ALOIM-2008, 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-2008, 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-2008, 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-2008, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance.
- Shall display the lift manufacturer's operating instructions; ALI/SM 07-1, ALI Lifting it Right safety manual; ALI/ST-05 ALI Safety Tips card; ANSI/ALI ALOIM-2008, 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 Z244.1-2003, 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.

INSTALLATION INSTRUCTIONS

1. Place jack on runway tracks at front and rear with air pump, facing ends of runways. Adjust width of rolling jack to fit runway track. Make sure wheels are on the tracks. Center rolling jack between runways.
2. Install male quick-disconnect coupling in air pump to match shop fittings if required. Install filter regulator/lubricator, set to 100-120 psi. and 1 drop of oil per minute. The pump will consume 25 cfm of air. Capacity/serial no./model no. of rolling jack is stated on the nameplate.

DO NOT OVERLOAD JACK.

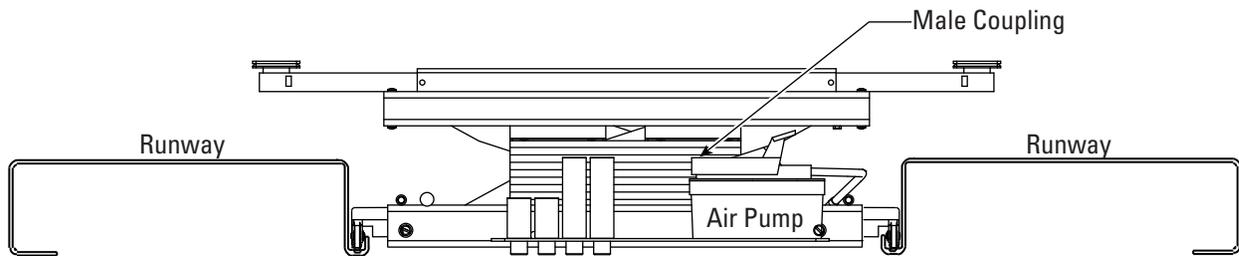


Fig. 1

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. Before loading a vehicle onto lift, ensure jack(s) are fully lowered. Make sure the adapters are in their most inbound and lowest position. Also ensure rear jack is toward the center of the lift.

⚠CAUTION Move rear jack toward center of runways of maximum vehicle clearance when loading and unloading vehicles.

⚠CAUTION Always fully lower jack(s) to prevent damage to the vehicle or lift.

2. After vehicle has been loaded, chock tires on the opposite side in which the rolling jack is to be used. If two rolling jacks are to be used, chock the tires on the opposite side of the rolling jack to be raised first.
3. Place jack under vehicle at manufacturer's recommended pick-up points. Pull out the arms to the proper pick-up points. Take up clearance with adapter extensions.

⚠WARNING Load evenly do not place weight on one side of the jack.

⚠CAUTION Allow 12" minimum clearance between vehicle and nearest overhead obstruction before raising vehicle. Failure to do so could damage vehicle and/or lift.

4. **To Raise Rolling Jack:** Connect the air supply. Depress the pump lever and hold until the jack is raised to the desired lock position. Lift the pump lever to lower onto the locking latches.
5. **To Lower Rolling Jack:** Depress the pump lever to raise rolling jack off of the locking latches. Lift and hold latch release lever. Lift the pump lever until the jack lowers completely.

⚠CAUTION Always fully lower jack to prevent damage to the vehicle or lift.

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 features.

6. Be sure the jack is fully lowered, the adapters are in their most inbound lowest position, and bridge(s) are pushed towards 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 original parts.
- Daily: Inspect air/hydraulic system for leaks.
- Daily: Inspect for loose bolts, broken/damaged components.
- Daily: Inspect linkage curtain guard for damage, wear and tear. Replace as required with original parts.
- Monthly: Inspect the roller assemblies.

- 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 AW32 hydraulic fluid. Take care to prevent contamination during filling operation.
5. Reinstall plug hand tight only.

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

TROUBLE SHOOTING

Trouble	Cause	Remedy
Pump will not start when air switch is depressed, or pump starts but stalls under load.	<ol style="list-style-type: none"> 1. Insufficient air supply at pump. 2. Leak in air supply line. 3. Restriction in air line (ie. kinks or plugs). 4. Plugged air filter. 5. Bad air motor. 	<ol style="list-style-type: none"> 1. Pump requires 100-120 psi of air @ 25 CFM to run. 2. Locate and correct leakage. 3. Locate and correct restriction. 4. Remove and install a new filter. 5. Repair or replace air motor.
Pump runs but lift will not raise after contacting load.	<ol style="list-style-type: none"> 1. Lift loaded beyond capacity. 2. External fluid leak at pump, hose or cylinder . 3. Internal leakage. 4. Release mechanism damaged or parts missing. 5. Wrong pump installed on lift. 6. Pump low on fluid. 7. Fluid blowing out rear cover of air motor. 8. Pump malfunctioning. 	<ol style="list-style-type: none"> 1. Use lift only to rated capacity. 2. Repair leak, refill reservoir.* 3. Have pump serviced by an authorized service center. 4. Replace damaged or missing parts. 5. Verify pressure rating of pumps meets pressure requirements of lift. 6. Lower lift and check fluid level. Fill with AW32 hydraulic fluid. Locate and correct leak.* 7. Pump piston seal leaking, have pump serviced by an authorized service center. 8. Have pump serviced by an authorized service center.
Pump runs but lift will not raise to full height.	<ol style="list-style-type: none"> 1. Pump low on fluid. 	<ol style="list-style-type: none"> 1. Lower lift and check fluid level. Fill with AW32 hydraulic fluid. Locate and correct leak.*
Lift drifts down - will not hold.	<ol style="list-style-type: none"> 1. Release mechanism damaged or parts missing. 2. External leakage. 3. Internal leakage. 	<ol style="list-style-type: none"> 1. Replace damaged or missing parts. 2. Locate leak and repair. Refill reservoir.* 3. Have pump serviced by an authorized service center.



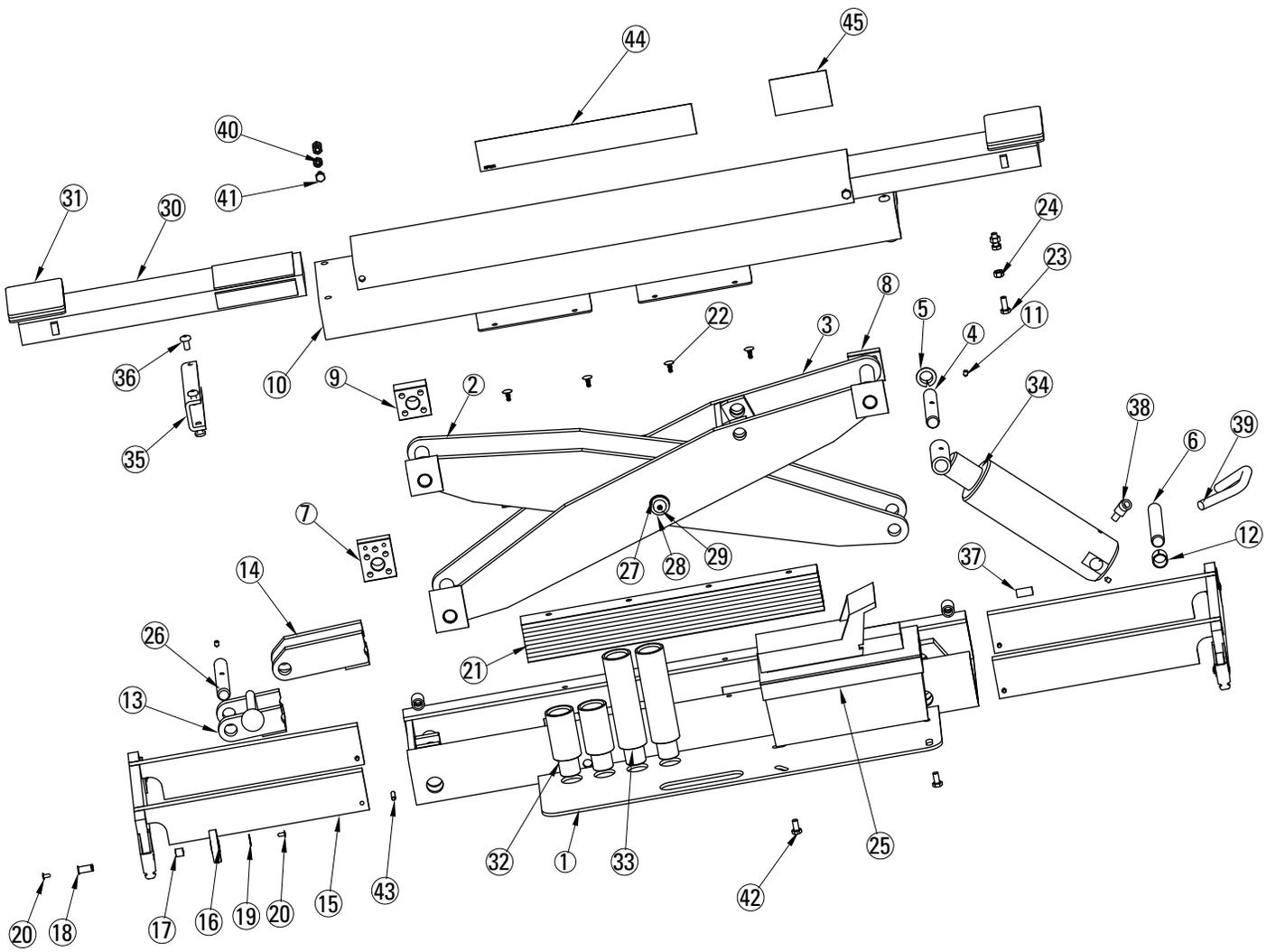
* - Do not overfill reservoir. Lift must be completely lowered prior to adding fluid.

TROUBLE SHOOTING continued

Trouble	Cause	Remedy
Lift lowers slow or not at all.	<ol style="list-style-type: none"><li data-bbox="618 207 1036 239">1. Lift locking latch not released.<li data-bbox="618 247 1068 317">2. Release mechanism damaged or parts missing.<li data-bbox="618 325 1068 394">3. Return flow of fluid restricted or blocked. <li data-bbox="618 627 1068 701">4. Internal return flow restrictor is plugged.	<ol style="list-style-type: none"><li data-bbox="1105 207 1425 239">1. Release locking latch.<li data-bbox="1105 247 1511 317">2. Replace damaged or missing parts.<li data-bbox="1105 325 1552 621">3. Eliminate blockage. ⚠ WARNING 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 lift to drop out of control.<li data-bbox="1105 627 1479 701">4. Have pump repaired by an authorized service center.

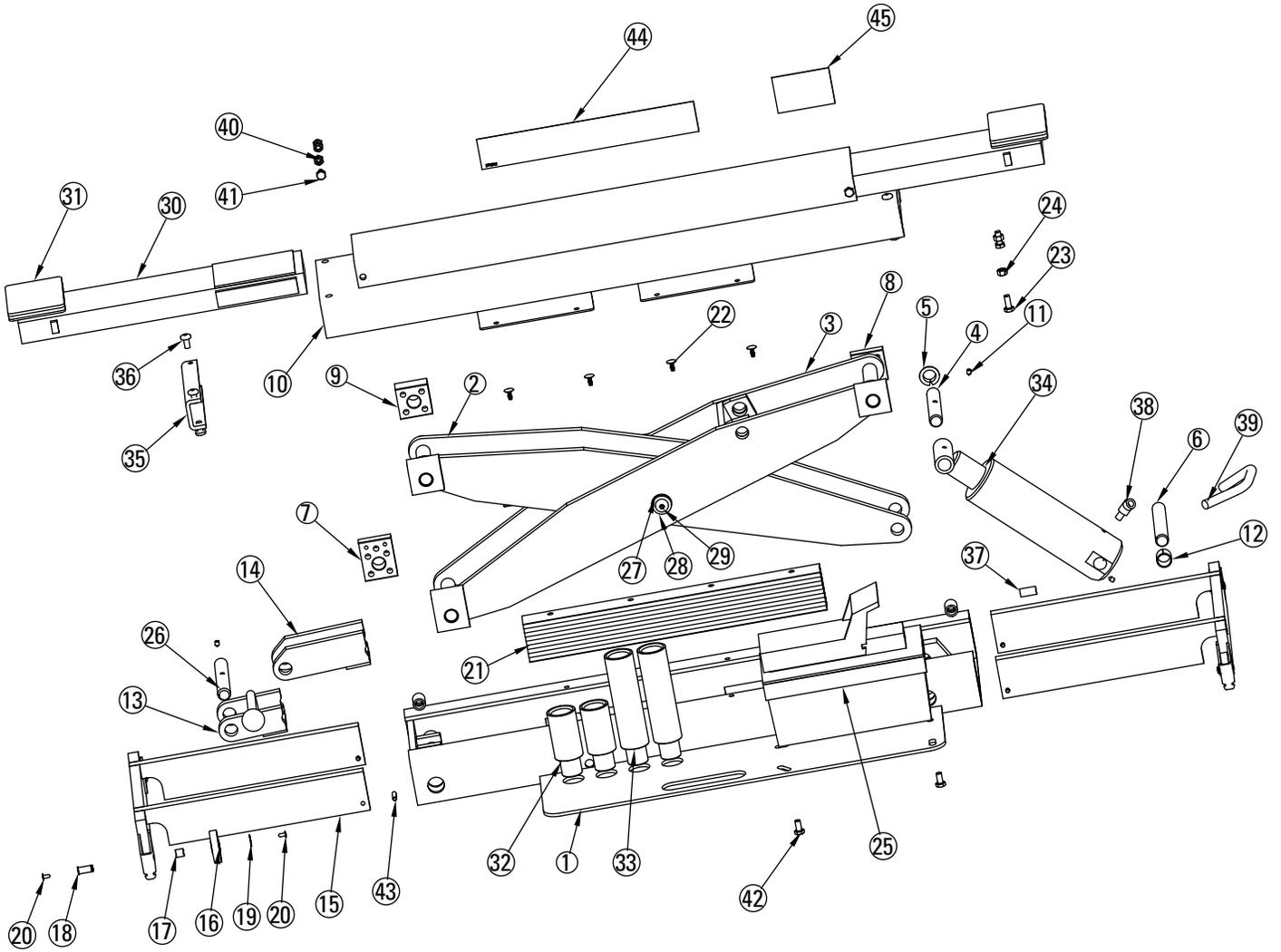
FRJ4500 / RRJ70G PARTS BREAKDOWN

ITEM	PART NO.	DESCRIPTION
1	SB300077Y	BOTTOM CHANNEL WELDMENT
2	SB300079Y	INNER LINK WELDMENT
3	SB300080Y	OUTER LINK WELDMENT
4	SB500083Y	UPPER CYLINDER SHAFT
5	SB700059Y	BEARING
6	SB500084Y	LOWER CYLINDER SHAFT
7	SB700036Y	TALL SLIDER
8	SB700030Y	TOP SLIDER
9	SB700031Y	SLIDER
10	RJ70-1100	TOP CHANNEL WELDMENT
11	40064	1/4"-20NC X 3/8" SIX PYRAMID END LOCKING SCREW
12	SB700057Y	BEARING
13	SB300066Y	SHORT DOG WELDMENT
14	SB300061Y	LONG DOG WELDMENT
15	SB300082Y	TELESCOPING END WELDMENT
16	SB700005Y	URETHANE WHEEL
17	SB700003Y	WHEEL BEARING
18	AJ-6501	SHAFT
19	SB700002Y	RETAINING RING
20	SB700001Y	BUMPER
21	FC5144-1	GUARD
22	FC5185-69	RETAINER
23	41462	HEX HEAD BOLT M8 X 20
24	41563	HEX NYLON INSERT LOCKNUT M8
25	FC5972	PUMP
26	SB500080Y	PIN
27	SB500127Y-1	PIN
28	SB500127Y-2	WASHER
29	GB/T70.2	SOCKET HEAD SCREW DISCAL HEAD M10 X 20
30	RJ70-3100	ARM WELDMENT
31	AJ-6003	SWIVEL PAD WELDMENT
32	DP9-7002	3" ADAPTER
33	DP9-7003	6" ADAPTER
34	SB700027Y	CYLINDER
35	RJ70-1101	ARM COVER PLATE
36	GB/T70.2	SOCKET HEAD SCREW DISCAL HEAD M8 X 16
37	RJ7000-9802-1	JOINT
38	FC5185-45	45° JOINT
39	RJ7000-9801-1	HOSE
40	911701	5/16"-18 HEX NUT
41	911721	5/16"-18 X 1/2" HEX HEAD BOLT
42	41535	M8 X 14 HEX HEAD BOLT
43	SB700060Y	ELASTIC CYLINDRICAL PIN Ø6 X 25
44	NP1064	LABEL
45	NP909	LABEL
46	LP20572	LITERATURE PACKAGE



RJ70G PARTS BREAKDOWN

ITEM	PART NO.	DESCRIPTION
1	SB300077Y	BOTTOM CHANNEL WELDMENT
2	SB300079Y	INNER LINK WELDMENT
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5	SB700059Y	BEARING
6	SB500084Y	LOWER CYLINDER SHAFT
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8	SB700030Y	TOP SLIDER
9	SB700031Y	SLIDER
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11	40064	1/4"-20NC X 3/8" SIX PYRAMID END LOCKING SCREW
12	SB700057Y	BEARING
13	SB300066Y	SHORT DOG WELDMENT
14	SB300061Y	LONG DOG WELDMENT
15	SB300082Y	TELESCOPING END WELDMENT
16	SB700005Y	URETHANE WHEEL
17	SB700003Y	WHEEL BEARING
18	AJ-6501	SHAFT
19	SB700002Y	RETAINING RING
20	SB700001Y	BUMPER
21	FC5144-1	GUARD
22	FC5185-69	RETAINER
23	41462	HEX HEAD BOLT M8 X 20
24	41563	HEX NYLON INSERT LOCKNUT M8
25	FC5973	PUMP
26	SB500080Y	PIN
27	SB500127Y-1	PIN
28	SB500127Y-2	WASHER
29	GB/T70.2	SOCKET HEAD SCREW DISCAL HEAD M10 X 20
30	RJ70-3100	ARM WELDMENT
31	AJ-6003	SWIVEL PAD WELDMENT
32	DP9-7002	3" ADAPTER
33	DP9-7003	6" ADAPTER
34	SB700027Y	CYLINDER
35	RJ70-1101	ARM COVER PLATE
36	GB/T70.2	SOCKET HEAD SCREW DISCAL HEAD M8 X 16
37	RJ70G-9802-1	JOINT
38	FC5185-45	45° JOINT
39	RJ7000-9801-1	HOSE
40	911701	5/16"-18 HEX NUT
41	911721	5/16"-18 X 1/2" HEX HEAD BOLT
42	GB/T5782	M5 X 14 HEX BOLT
43	SB700060Y	ELASTIC CYLINDRICAL PIN Ø6 X 25
44	NP1064	LABEL
45	NP909	LABEL
46	LP20572	LITERATURE PACKAGE



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 Lift.

Contact Your Nearest Authorized Parts Distributor for Genuine Replacement Parts.

Vehicle Service GroupSM
2700 Lanier Drive
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1-800-640-5438
www.vsgdover.com



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