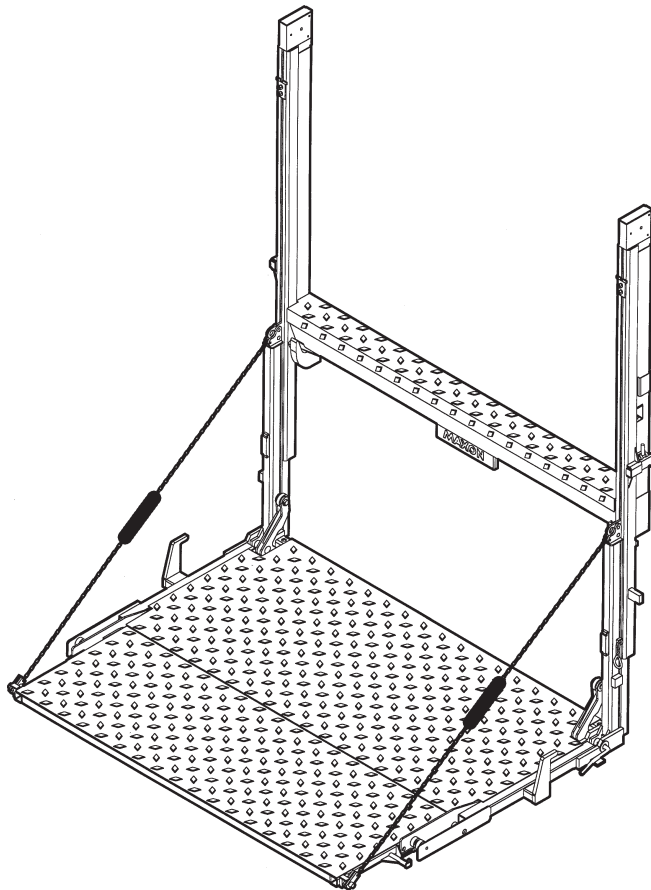


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JULY 2006

MAXON[®]

MAINTENANCE MANUAL



RC-2B

RC-3B

RC-4B

RC-5B

RC-6B

RC-6K

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(800) 227-4116

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LIFT CORP.

11921 Slauson Ave.
Santa Fe Springs, CA. 90670

CUSTOMER SERVICE:

TELEPHONE (562) 464-0099 TOLL FREE (800) 227-4116

FAX: (888) 771-7713

NOTE: For latest version Manuals (and replacements), download Manuals from Maxon's website at www.maxonlift.com.

WARRANTY POLICY & PROCEDURE

NEW LIFTGATE WARRANTY

Term of Warranty: 2 Years from Date of In-Service

Type of Warranty: Full Parts and Labor

MAXON agrees to replace any components which are found to be defective during the first 2 years of service, and will reimburse for labor based on MAXON's Liftgate Warranty Flat Rate Labor Schedule. (Call MAXON Customer Service for a copy).

All claims for warranty must be received within 30 Days of the repair date, and include the following information:

1. Liftgate Model Number
2. Liftgate Serial Number
3. Detailed Description of Problem
4. Corrective Action Taken, and Date of Repair.
5. Parts used for Repair, Including MAXON Part Number(s).
6. MAXON R.M.A. # and/or Authorization # if applicable (see below).
7. Person contacted at MAXON if applicable.

All warranty repairs must be performed by an authorized MAXON warranty station. For major repairs, MAXON Customer Service must be notified and an "Authorization Number" obtained. Major repairs would generally be considered repairs made to the structural assembly of the liftgate and/or repairs not outlined in the MAXON Liftgate Warranty Flat Rate Schedule.

Major components (i.e. hydraulic pumps, cylinders, valves, or failed structural parts) must be returned, freight pre-paid, prior to the claim being processed. To ensure timely processing of these warranty claims, an R.M.A. (Returned Merchandise Authorization) number must be obtained from MAXON Customer Service prior to the return of any defective part. Defective Parts must be returned within 60 days of the claim date for consideration to:

MAXON Lift Corp.

16205 Distribution Way, Cerritos, CA 90703

Attn: RMA# _____

MAXON's warranty policy does not include the reimbursement for travel time, towing, vehicle rental, service calls, oil, batteries, defects due to misuse or abuse, or loss of income due to downtime. Fabrication of parts, which are available from MAXON, are also not covered.

MAXON's Flat Rate Labor Schedule takes into consideration the time required for diagnosis of a problem.

PURCHASE PART WARRANTY

Term of Warranty: 1 Year from Date of Purchase

Type of Warranty: Part Replacement

MAXON will guarantee all returned genuine replacement parts upon receipt and inspection of parts and invoice.

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Comply with the following **WARNINGS** while maintaining Liftgates. See Operation Manual for operating safety requirements.

WARNING

- Read and understand the instructions in this **Maintenance Manual** before performing maintenance on the Liftgate.
- Before operating the Liftgate, read and understand the operating instructions in **Operation Manual**.
- Comply with all **WARNING** and instruction decals attached to the Liftgate.
- Keep decals clean and legible. If decals are defaced or missing, replace them. Free replacement decals are available from **Maxon Customer Service**.
- Use only **Maxon Authorized Parts** for replacement parts. Provide Liftgate model and serial number information with your parts order. Order replacement parts from:

MAXON LIFT CORP. Customer Service
11921 Slauson Ave., Santa Fe Springs, CA 90670
Phone: (800) 227-4116

- To order parts by e-mail, submit orders to partssales@maxonlift.com.
- Consider the safety and location of bystanders and location of nearby objects when operating the Liftgate. Stand to one side of the platform while operating the Liftgate.
- Do not allow untrained persons to operate the Liftgate.
- Do not stand under, or allow obstructions under the platform when lowering the Liftgate. **Be sure your feet are clear of the Liftgate.**
- **Keep fingers, hands, arms, legs, and feet clear of moving Liftgate parts (and platform edges) when operating the Liftgate.**
- **Disconnect Liftgate power cable from battery** before repairing or servicing Liftgate.
- Wear appropriate safety equipment such as protective eyeglasses, faceshield and clothing while performing maintenance on the Liftgate and handling the battery. Debris from drilling and contact with battery acid may injure unprotected eyes and skin.
- Be careful working by an automotive type battery. Make sure the work area is well ventilated and there are no flames or sparks near the battery. Never lay objects on the battery that can short the terminals together. If battery acid gets in your eyes, immediately seek first aid. If acid gets on your skin, immediately wash it off with soap and water.
- If an emergency situation arises (vehicle or Liftgate) while operating the Liftgate, release the control Toggle Switch and the Liftgate will stop.
- A correctly installed Liftgate operates smoothly and reasonably quiet. The only noticeable noise during operation comes from the pump unit while the platform is raised and folded on all models, or lowered on Power Down models. Listen for scraping, grating and binding noises and correct the problem before continuing to operate Liftgate.
- If it is necessary to stand on the platform while maintaining the Liftgate, keep your feet and any objects clear of the inboard edge of the platform. Your feet or objects on the platform could be trapped between the platform and the Liftgate extension plate.
- Never perform unauthorized modifications on the Liftgate. Modifications may result in early failure of the Liftgate and may create hazards for Liftgate operators and maintainers.

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TROUBLE SHOOTING CAM CLOSER

FAULT	CAUSE	REMEDY
PLATFORM WILL NOT RISE OR REACH FLOOR OF VEHICLE	1. BATTERY FLAT	RE-CHARGE BATTERY
	2. (TRACTOR/TRAILER VEHICLE ONLY) ELECTRICAL COUPLING TO TRACTOR NOT CONNECTED	CONNECT COUPLING
	3. INSUFFICIENT OIL IN THE PUMP RESERVOIR	FILL RESERVOIR SEE DECAL ON PUMP.
	4. WIRE ROPE INCORRECTLY ADJUSTED	ADJUST WIRE ROPE.
PLATFORM WILL NOT LOWER	1. BATTERY FLAT (VOLTAGE AT SOLENOID LOW)	RE-CHARGE BATTERY
	2. (TRACTOR/TRAILER VEHICLES ONLY) ELECTRICAL COUPLING TO TRACTOR NOT CONNECTED	CONNECT COUPLING
	3. EMERGENCY BRAKE LOCK-UP	RELEASE EMERGENCY BRAKE
PLATFORM DOES NOT RISE SMOOTHLY	1. TOO MUCH PUMP PRESSURE	CHECK PRESSURE
	2. INSUFFICIENT OIL IN THE PUMP RESERVOIR	FILL RESERVOIR
	3. AIR LOCK IN HYDRAULIC SYSTEM	OPERATE RAISE CONTROL ON THE SWITCH A FEW SECONDS AT TOP OF PLATFORM STROKE. REPEAT TWO MORE TIMES, PAUSING BETWEEN OPERATIONS FOR ONE MINUTE WITH PLATFORM ON GROUND.
	4. UNDUE MECHANICAL WEAR OR LACK OF LUBRICATION OF LIFT	LUBRICATE OR REPLACE WORN PARTS
PLATFORM CREEPS DOWN UNDER NO LOAD CONDITION	1. HYDRAULIC LEAK	OPERATE RAISE CONTROL ON THE SWITCH AT TOP OF PLATFORM STROKE FOR A FEW SECONDS.
	2. CYLINDER SEAL FAILING	REPLACE CYLINDER SEALS.
	3. DIRT UNDER VALVE IN HYDRAULIC PUMP	CLEAN THE VALVE
PLATFORM WILL ONLY DESCEND SLOWLY	1. FLOW CONTROL VALVE ADJUSTMENT	ADJUST FLOW CONTROL VALVE
	2. INSUFFICIENT MAINTENANCE AND LUBRICATION	CARRY OUT MAINTENANCE AND LUBRICATION PROCEDURE
	3. UNDUE WEAR OF MECHANICAL COMPONENTS	CHECK OUT MAINTENANCE AND LUBRICATION PROCEDURE
	4. DIRT IN THE VALVE	CLEAN THE VALVE

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FAULT	CAUSE	REMEDY
PLATFORM WILL ONLY DESCEND SLOWLY (CONT'D)	5. INCORRECT OIL IN SYSTEM.	DO THE "CHANGING HYDRAULIC FLUID" PROCEDURE IN THIS MANUAL.
	6. RESTRICTED HYDRAULIC LINE	CHECK HOSE FOR WXTERNAL DAMAGE OR "PINCHING"
CANNOT ENGAGE PLATFORM RETENTION CHAIN	PLATFORM DOES NOT CLOSE ENOUGH TO ALLOW RETENTION CHAIN TO ENGAGE.	DO THE "CAM FOLLOWER ADJUSTMENT" IN THIS MANUAL.
PLATFORM TILTED	1. INCORRECT WIRE ROPE ADJUSTMENT	ADJUST WIRE ROPE.
	2. WIRE ROPE SUPPORTING LOW SIDE OF PLATFORM DISLODGED FROM IT'S NORMAL LAY	CHECK THAT WIRE ROPE IS CORRECTLY SEATED IN THE GROOVES OF THE SHEAVES OVER WHICH THE WIRE ROPE PASSES
	3. PASSAGE OF WIRE ROPES, RUNNERS OR PLATFORM OBSTRUCTED	CHECK FREEDOM OF ALL MOVING PARTS ASSOCIATED WITH WIRE ROPE SYSTEM
UNIT WILL NOT LIFT RATED LOAD	1. RELIEF VALVE SETTING TOO LOW	ADJUST RELIEF VALVE SETTING.
	2. HYDRAULIC PUMP WORN	CHANGE WORN PARTS OR COMPLETE PUMPM. SEE PUMP BREAKDOWN ILLUSTRATIONS
PLATFORM NOT LEVEL	1. 2 PC PLATFORM CHAINS TOO LONG	SHORTEN CHAINS
PUMP WILL NOT OPERATE	1. BATTERY IS UNDER-CHARGED	RE-CHARGE BATTERY
	2. (TRACTOR/TRAILER VEHICLE ONLY) ELECTRICAL COUPLING TO TRAILER NOT CONNECTED	CONNECT COUPLING
	3. ELECTRICAL WIRING TO PUMP BROKEN OR CORRODED	CHECK WIRING TO PUMP
	4. REMOTE CONTROL SWITCH WIRING BROKEN	CHECK WIRING TO REMOTE CONTROL SWITCHES.
	5. SOLENOID SWITCH ON PUMP FAULTY	CHECK SOLENOID SWITCH.

GENERAL MAINTENANCE

CHECKING HYDRAULIC FLUID

CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

NOTE: Use correct grade of hydraulic fluid for your location.

- +70 to +140 Degrees F - Grade ISO 32**
- +40 to +105 Degrees F - Grade ISO 15**
- Below + 70 Degrees F - Grade ISO 10 or MIL-H-5606**

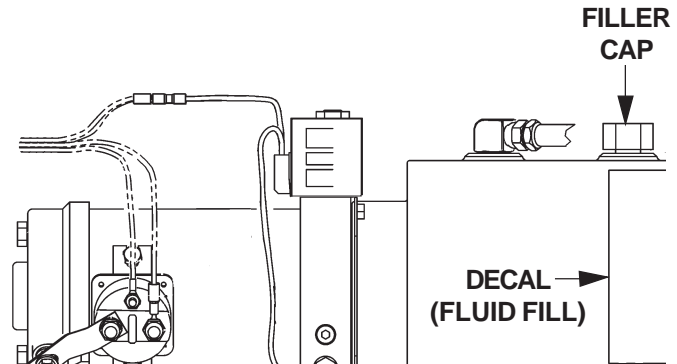
See **TABLES 1, 2, & 3** on following page for recommended brands.

1. Unfold and lower Platform to the ground.

2. Remove the Filler Cap (**FIG. 1**).
Check hydraulic fluid level for gravity down liftgate as shown on decal (**FIG. 2**).

3. If needed, add more hydraulic fluid to level indicated on decal (**FIG. 2**).
If the hydraulic fluid is contaminated, do the **CHANGING HYDRAULIC FLUID** procedure in this section of the manual.

4. Reinstall Filler Cap (**FIG. 1**).



**CHECKING FLUID LEVEL
(GRAVITY DOWN PUMP SHOWN FOR RC
WITH CAM PLATFORM CLOSER)
FIGURE 1**

<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>GRAVITY DOWN FILL LINE</p> <p>NOTE: PLATFORM MUST BE OPEN AND ON THE GROUND FOR PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE APPROX. 1" FROM TOP OF THE RESERVOIR.)</p> </div> <div style="width: 45%;"> <p>POWER DOWN FILL LINE</p> <p>NOTE: PLATFORM MUST BE IN THE "UP" POSITION FOR A PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE LEVEL WITH THE MIDDLE OF THE RESERVOIR.)</p> </div> </div>	<p>OIL SPECS.</p> <p>TEMP. 70°F - 140°F</p> <p>ISO-32</p>
	<p>TEMP. 40°F - 105°F</p> <p>ISO-15</p>
	<p>TEMP. BELOW 70°F</p> <p>ISO-10 OR MIL-H-5606</p>
<p><small>P/N 261740</small></p>	

**HYDRAULIC FLUID FILL DECAL
FIGURE 2**

ISO 32 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWH-05
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS T-32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

TABLE 1

ISO 15 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWF-05
CHEVRON	FLUID A, AW-MV-15
KENDALL	GLACIAL BLU
SHELL	TELLUS T-15
EXXON	UNIVIS HVI-13
MOBIL	DTE-11M
ROSEMEAD	THS FLUID 17111

TABLE 2

ISO-10 OR MIL-H-5606 HYDRAULIC FLUID	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	N/A
CHEVRON	FLUID A, FLUID G
KENDALL	GLACIAL BLU
SHELL	AEROSHELL FLUID-41
EXXON	UNIVIS HVI-13
MOBIL	AERO HFA
ROSEMEAD	THS FLUID 17111

TABLE 3

CHANGING HYDRAULIC FLUID

CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

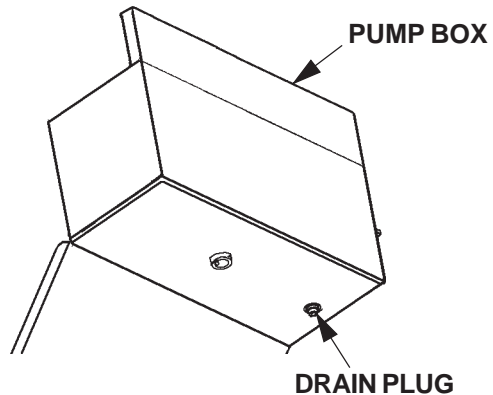
NOTE: Use correct grade of hydraulic fluid for your location.

+70 to +140 Degrees F - Grade ISO 32
+40 to +105 Degrees F - Grade ISO 15
Below + 70 Degrees F - Grade ISO 10 or MIL-H-5606

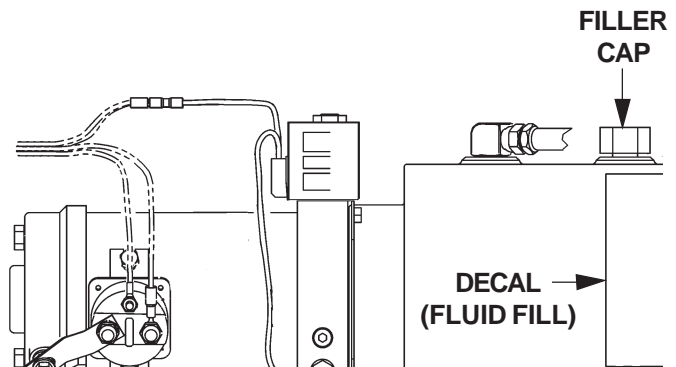
See TABLES 1, 2, & 3 on previous page for recommended brands.

NOTE: To prevent spills, drain used hydraulic fluid through a funnel into waste fluid container.

1. Place empty 5 Gallon Bucket under Drain Plug (**FIG. 1**).
2. Open and raise Platform to vehicle bed height. Remove the Drain Plug (**FIG. 1**). Drain hydraulic fluid.
3. Lower the Platform to ground level while draining the remaining hydraulic fluid from system. Reinstall the Drain Plug (**FIG. 1**).
4. Remove the Filler Cap (**FIG. 2**). Refill reservoir to the level shown on decal (**FIG. 3**).
5. Raise Platform to vehicle bed height. Check hydraulic fluid again and, if needed, add more hydraulic fluid (**FIG. 12-2**).
6. Reinstall Filler Cap (**FIG. 12-2**).





**ACCESSING DRAIN PLUG
FIGURE 1**



**CHECKING FLUID LEVEL
(GRAVITY DOWN PUMP SHOWN FOR RC
WITH CAM PLATFORM CLOSER)
FIGURE 2**

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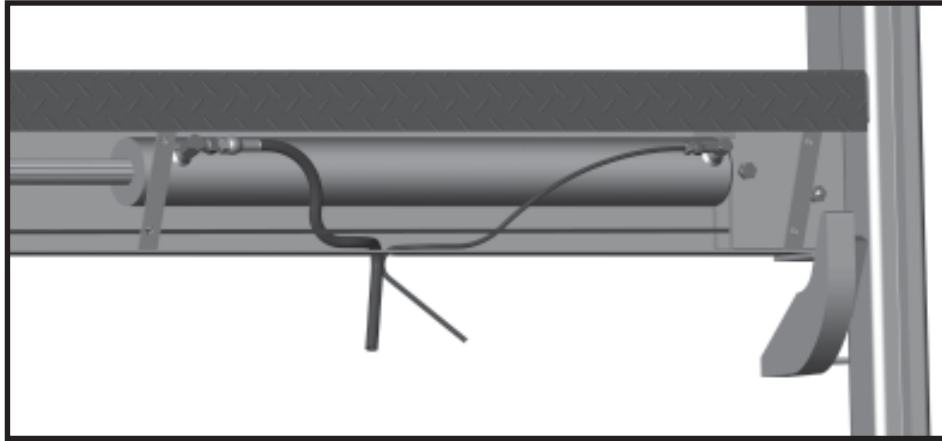
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 <p>GRAVITY DOWN FILL LINE NOTE: PLATFORM MUST BE OPEN AND ON THE GROUND FOR PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE APPROX. 1" FROM TOP OF THE RESERVOIR.)</p>	 <p>POWER DOWN FILL LINE NOTE: PLATFORM MUST BE IN THE "UP" POSITION FOR A PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE LEVEL WITH THE MIDDLE OF THE RESERVOIR.)</p>	<p>OIL SPECS.</p> <p>TEMP. 70°F - 140°F</p> <p>ISO-32</p>
		<p>TEMP. 40°F - 105°F</p> <p>ISO-15</p>
		<p>TEMP. BELOW 70°F</p> <p>ISO-10 OR MIL-H-5606</p>
<p>P/N 261740</p>		

HYDRAULIC FLUID FILL DECAL
FIGURE 3

REPLACE CYLINDER SEALS

To check for cylinder seal leakage the cover will need to be removed from the main frame assembly. The platform should be operated up and down several times. **NOTE:** Small amounts of “seepage” is normal, but if large a amount of oil is gushing from the Breather or Rod, it is considered a leak.



If there is a leak, the cylinder seals should be replaced. Seal kits are available from MAXON Industries Inc.

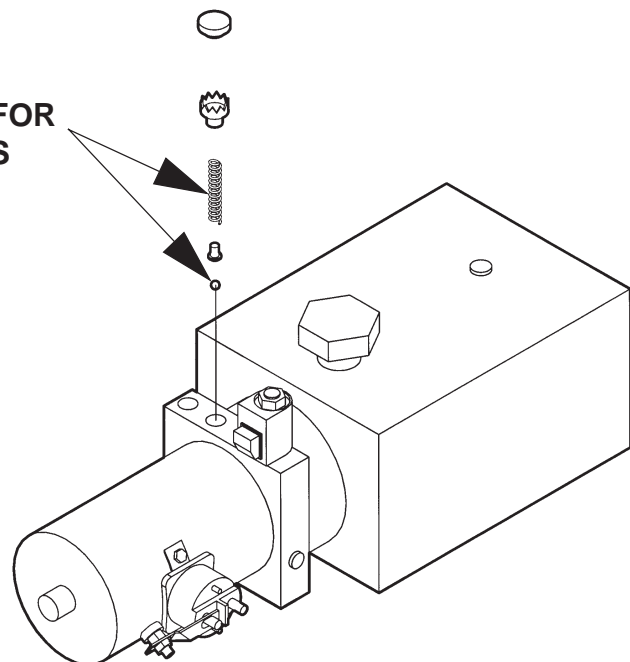
Pro Seal kit Part Number see Unit Parts Breakdown for YOUR unit in this manual.

To replace the seals the cylinder will need to be removed from the main frame assembly and dismantled on a work bench. For removal of cylinder see Cylinder Replacement Page.

CLEAN VALVE

Check valve could be slightly open. Slight adjustment in a CLOCKWISE direction may cure problem. If not, valve should be removed, cleaned and inspected.

CHECK FOR
NICKS



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PUMP PRESSURE ADJUST SETTING

Lower the Platform to the ground to relieve any pressure on the hoses. Remove the existing hose and swivel assembly from Port "B" (3/8 NPT). Install a **0-3000 PSI Gauge** (Item 1), to port "B".

Remove the Valve Cap (Item 2), from the Pump Block (Item 3). Using the Raise/Lower Switch on the Curb side of the vehicle, raise the unit and check the gauge reading. Adjust the relief valve to a pressure setting of **2750 PSI**.

Activate the Raise/Lower Switch several times to verify that the pressure shown on the gauge will remain at the proper setting. (Ref. Fig. 1)

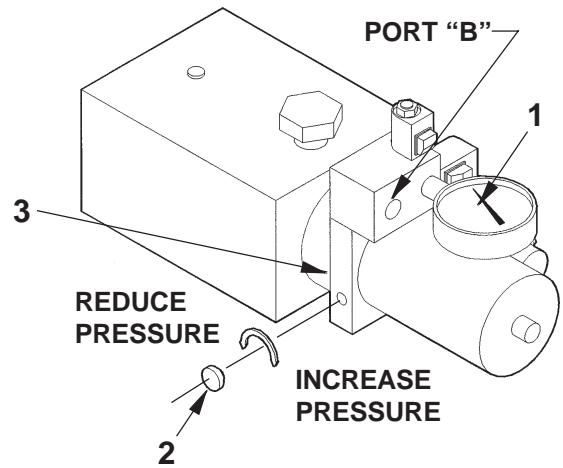


FIGURE 1

⚠ WARNING

Setting the pressure higher than recommended could enable the lift to raise loads in excess of it's rated capacity.

If the unit does not maintain the pressure reading, it may be necessary to remove and inspect the relief valve components. (Ref. Fig. 2)

Check for nicks or cuts on the Spring (Item 4), and Ball (Item 5). Replace any damaged parts before reassembling the unit.

Upon reassembly, you will have to seat the Ball by inserting a 3/16" diameter rod through the spring and tapping the Ball against the seat with a hammer.

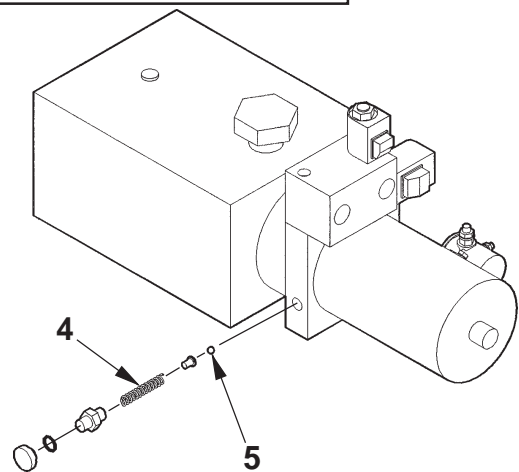
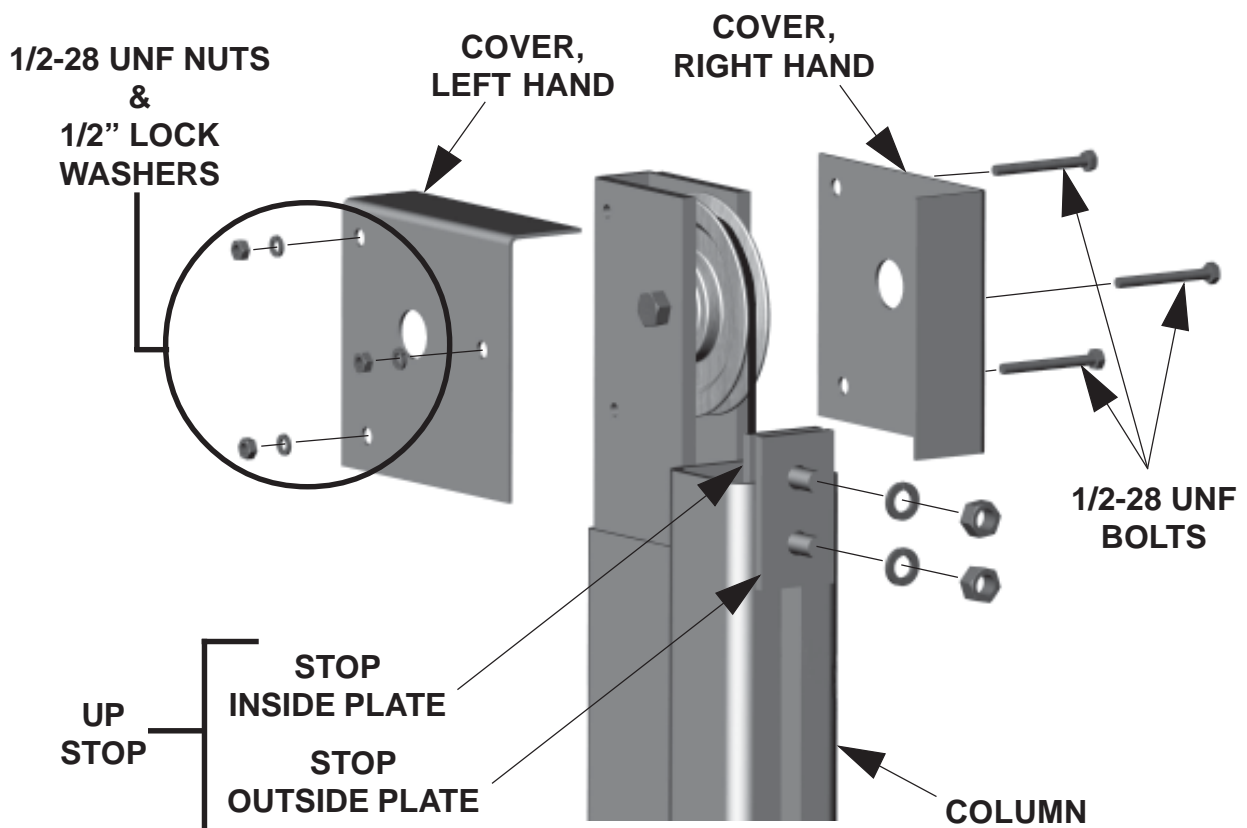


FIGURE 2

RELEASING EMERGENCY BRAKE

IN THE EVENT THE RAILIFT WILL NOT LOWER, IT MAY BE NECESSARY TO RELEASE THE EMERGENCY BRAKE ASSEMBLY.

1. REMOVE THE UPPER SHEAVE COVERS ON THE SIDE WHICH IS NOT LOWERING.
2. REMOVE THE UP-STOP AT THE TOP OF COLUMN.
3. BEING CAREFUL NOT TO RAISE THE GATE MORE THAN 1-1/2", ACTIVATE THE RAISE SWITCH. THIS WILL RETRACT THE EMERGENCY BRAKE CAM AND ALLOW THE PLATFORM TO BE LOWERED. LOWER GATE APPROXIMATELY 12".
4. REPLACE UP-STOP TO ITS ORIGINAL POSITION. CYCLE RAILIFT SEVERAL TIMES TO INSURE IT OPERATES PROPERLY. REPLACE SHEAVE COVERS.



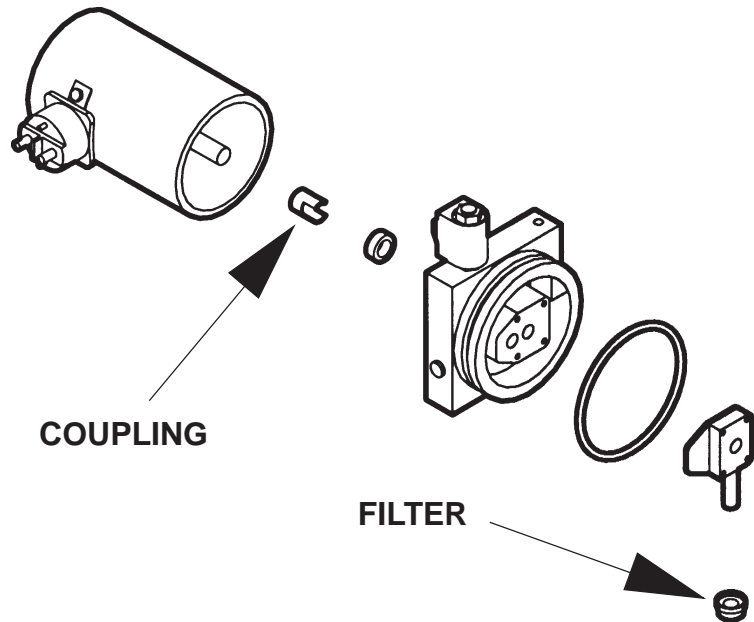
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PUMP-SHAFT, COUPLING AND FILTER

Drain and remove reservoir. Check filter. If Filter is clean, a worn pump is indicated. Change pump assembly. For replacement parts see PUMP BREAKDOWN DRAWING.

Inspect coupling for wear. When installing pump assembly, make sure coupling is installed to motor shaft and pump shaft is installed to coupling.



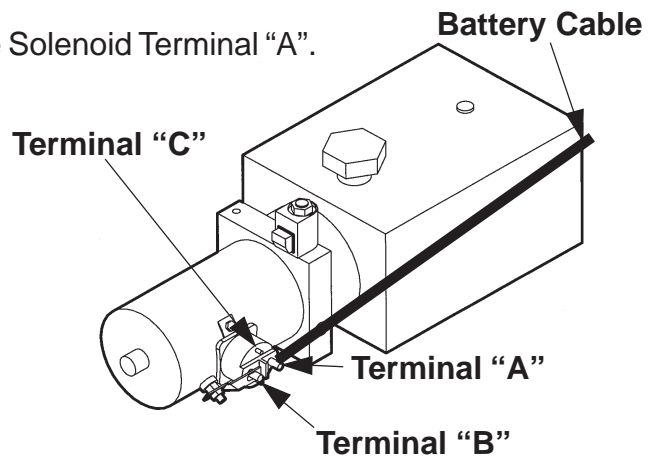
CHECK SOLENOID SWITCH

Verify that power is being supplied to the Solenoid Terminal "A".
Recharge the battery if less than 12 volts.

Touch a jumper wire to terminals "A" & "C". If motor runs, check Switch, Switch connections, and White wire. Correct the connections or replace the Switch.

Touch heavy jumper cables to terminals "A" & "B".

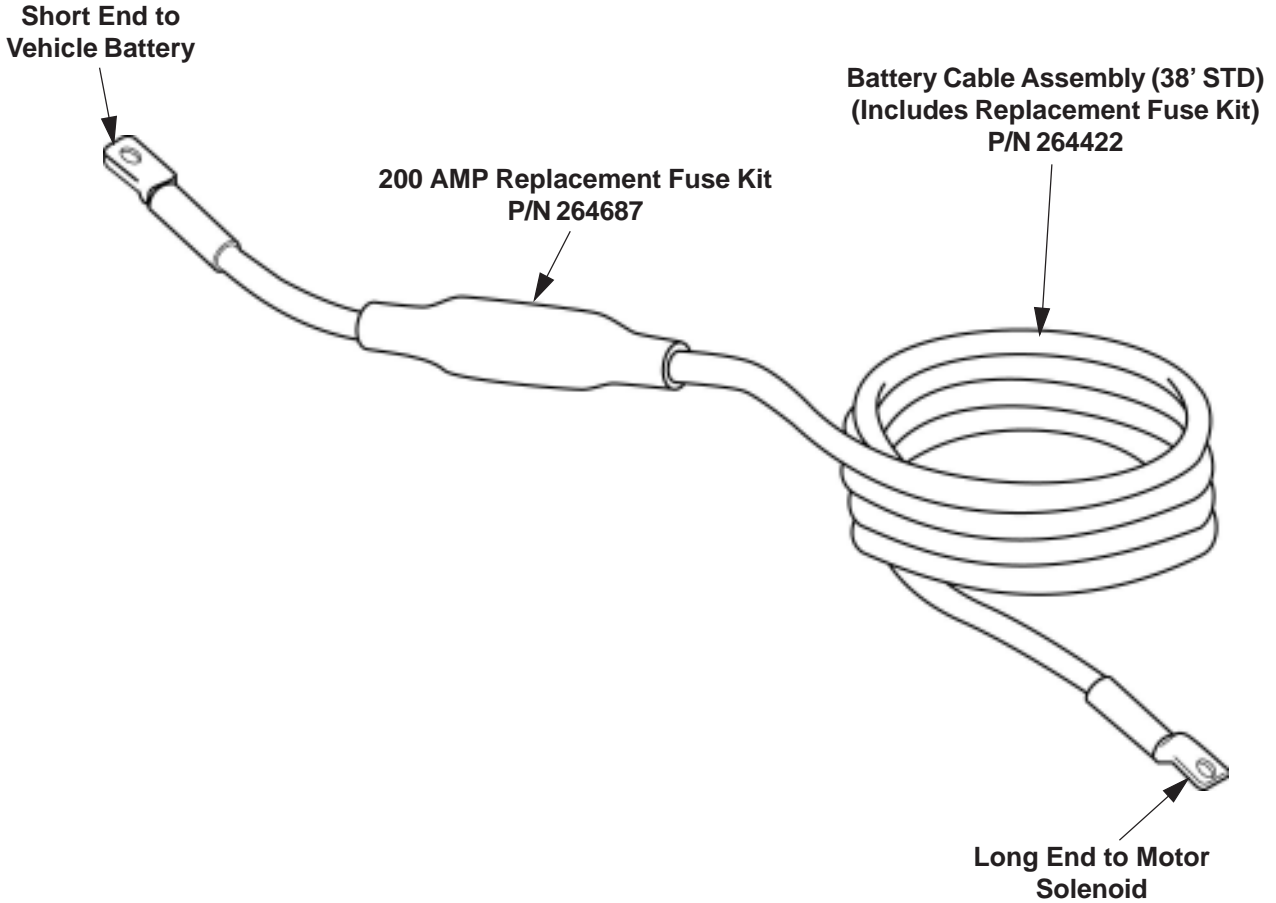
- If motor runs, replace the motor solenoid.
- If motor does not run, repair or replace the pump motor.





FUSED POWER CABLE

⚠ WARNING

Do not attach cable to battery until liftgate is completely installed.



ADDITIONAL AVAILABLE BATTERY CABLE KITS

	PART NUMBER	
40' CABLE ASSEMBLY	264848	Cable Assembly 
10' EXTENSION CABLE ASSEMBLY	264849	Extension Cable Assembly 

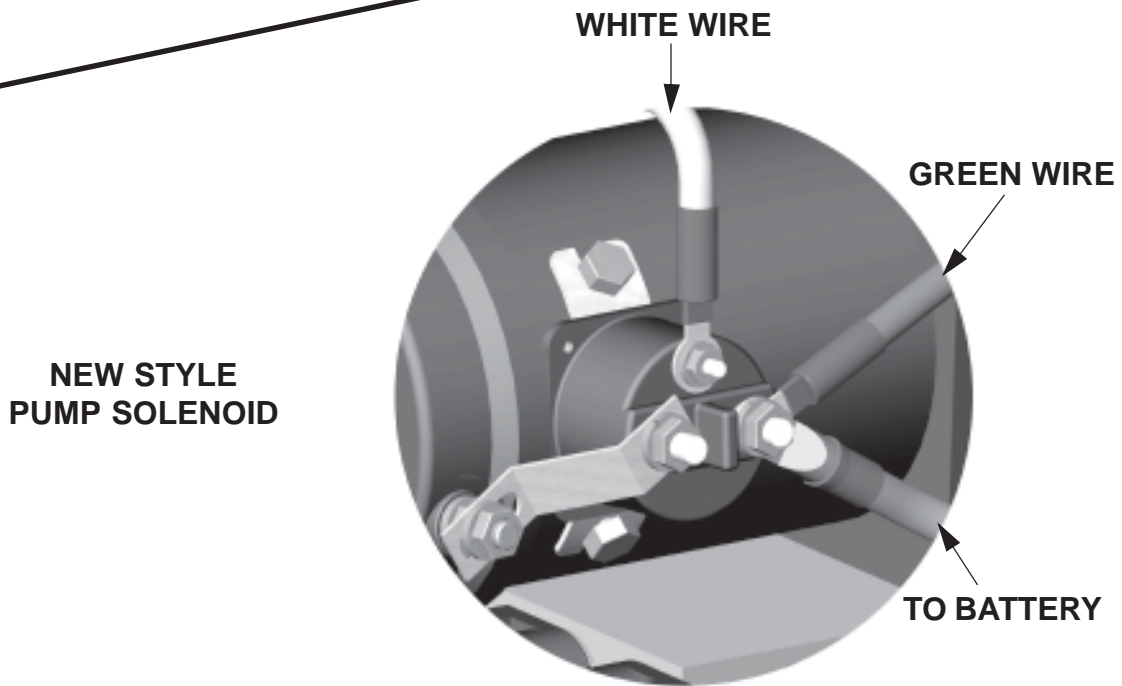
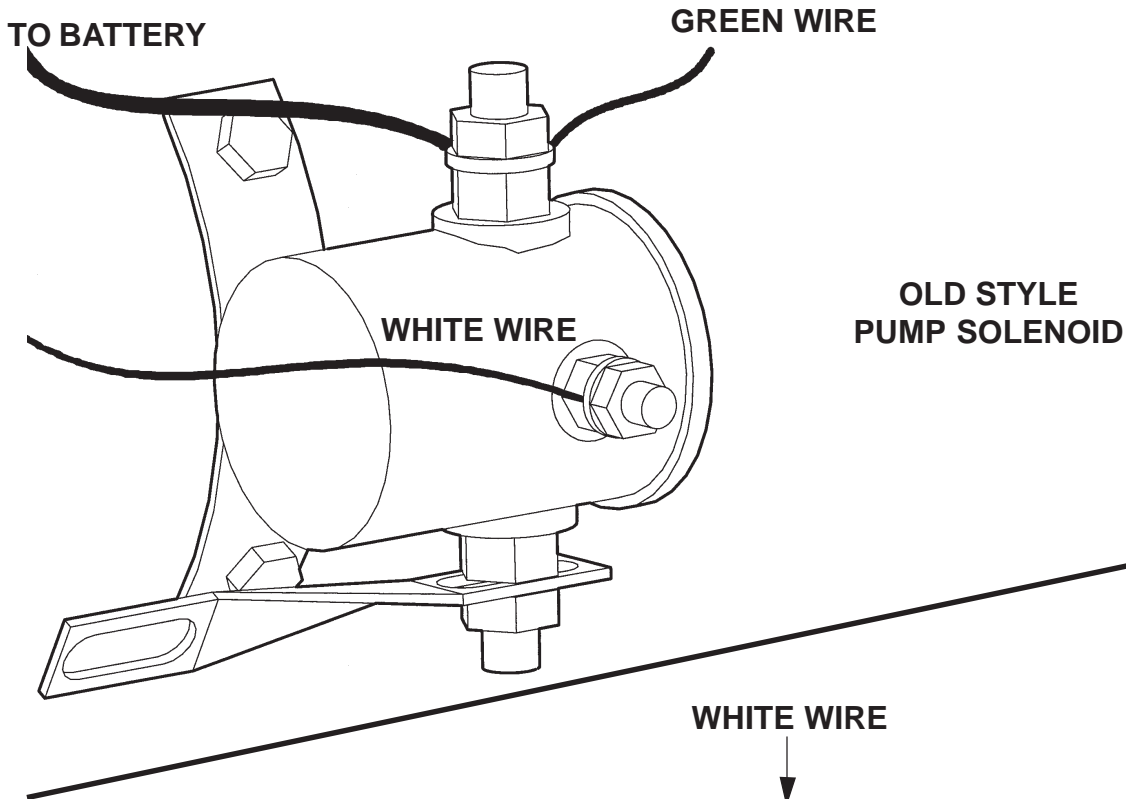
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WIRING TO PUMP MOTOR

NOTE: MAXON recommends using dielectric grease on all electrical connections

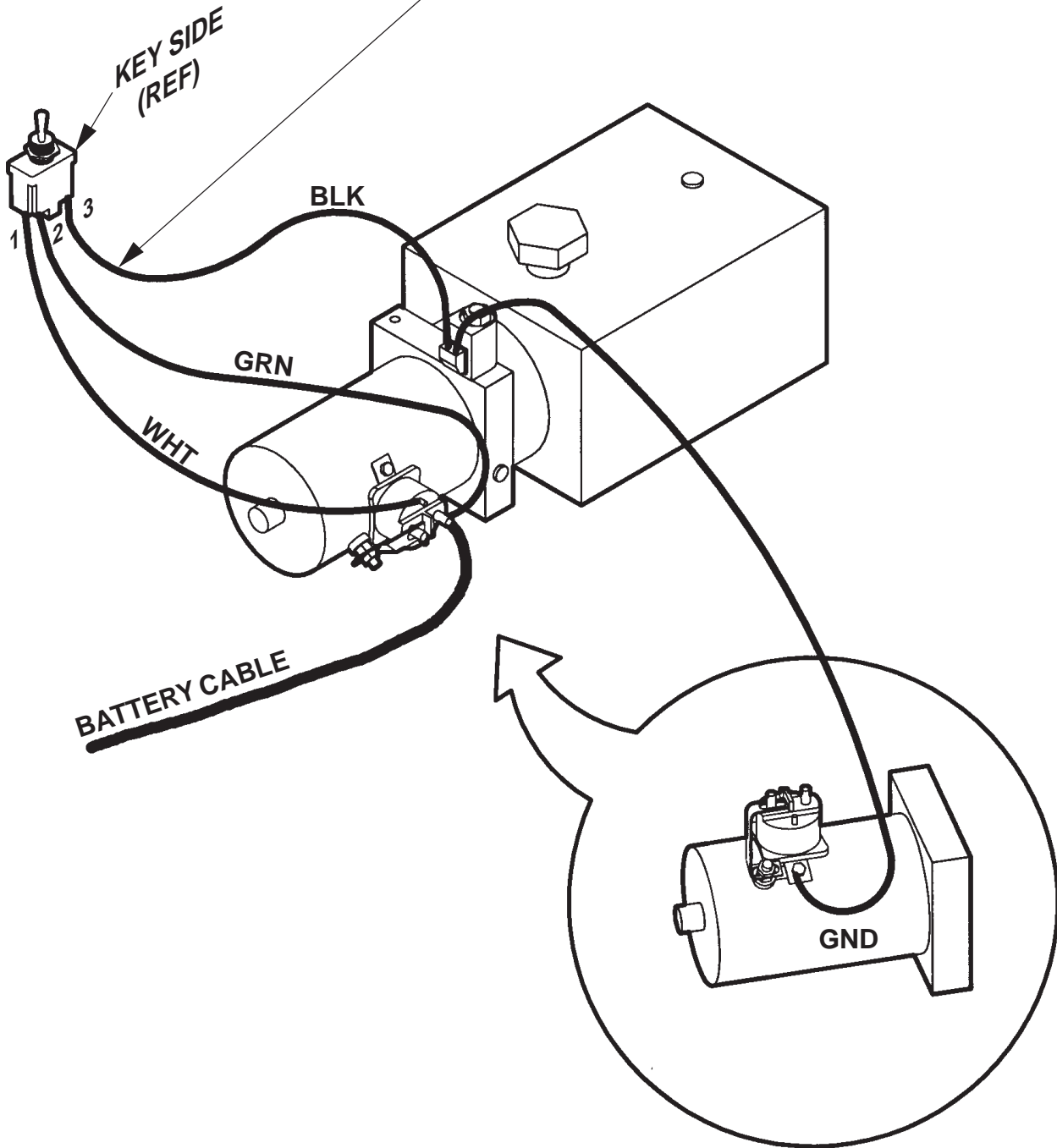
THE WIRING ON THE PUMP SOLENOID SWITCH THRU TO THE TRUCK SOLENOID (OR BATTERY) SHOULD BE CHECKED EVERY MONTH.

CABLE ENDS SHOULD BE CLEAN AND TIGHT. A LARGE AMOUNT OF GATE MALFUNCTION IS CAUSED BY LOOSE CABLE CONNECTIONS AND CORRODED CABLE CONNECTIONS.



PUMP WIRING FOR CAM TYPE CLOSER

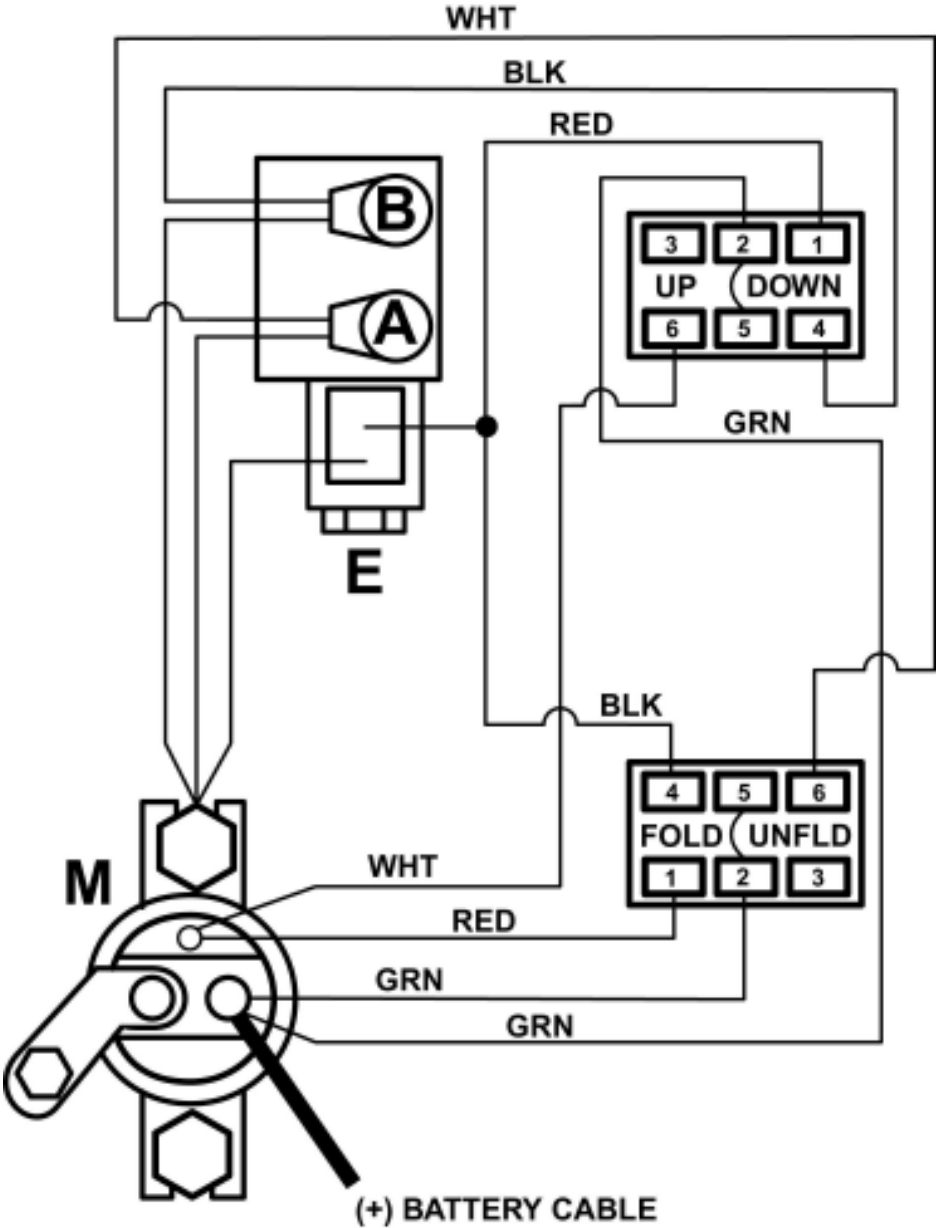
HARNESS AND SWITCH ASSEMBLY
P/N 252427



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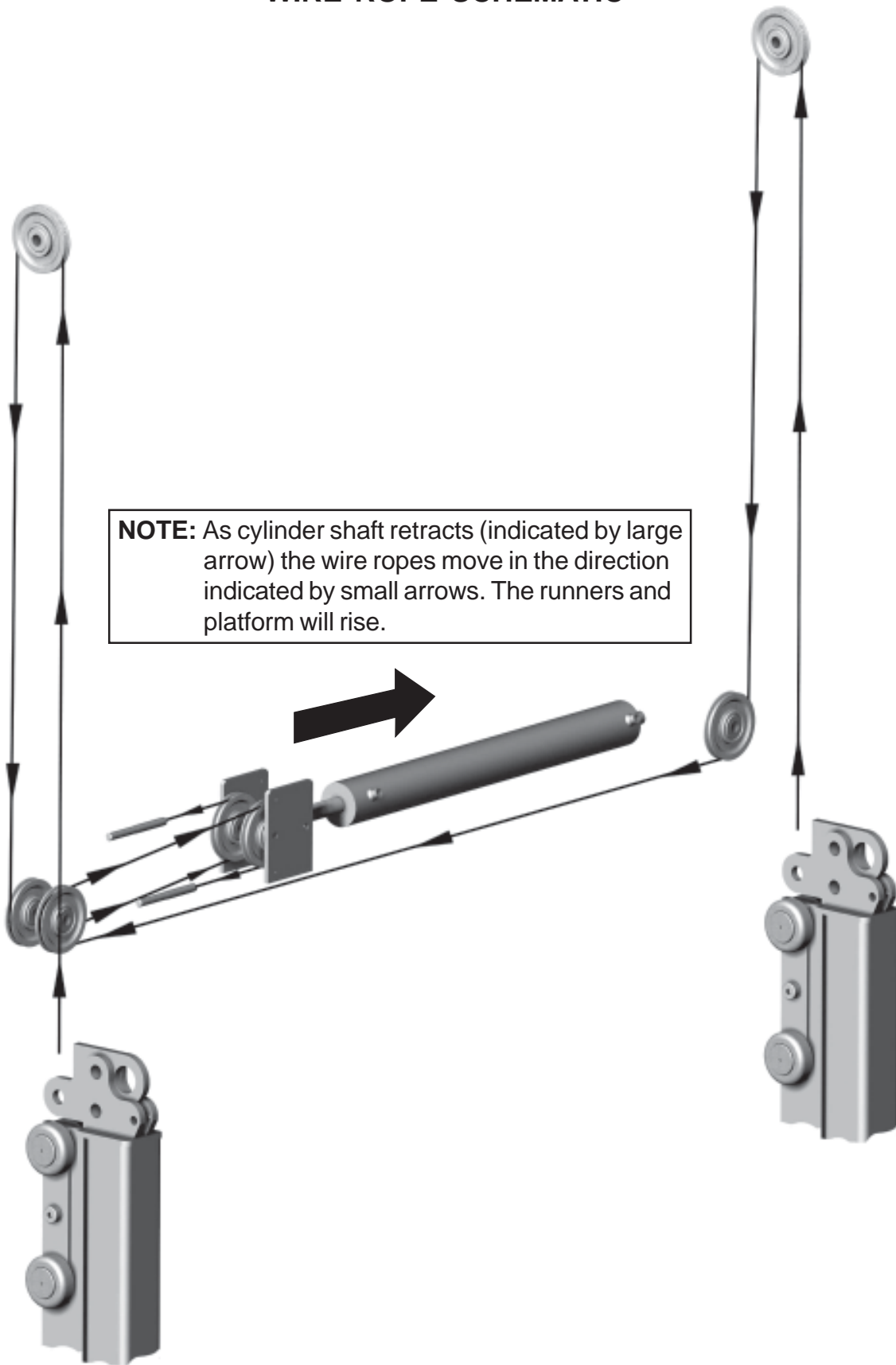
PUMP WIRING FOR HYDRAULIC CLOSER



WIRE ROPE SCHEMATIC

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WIRE ROPE MAINTENANCE

The most important assemblies in your unit are the wire ropes. These must be checked **every three months** for broken wires and for lack of lubrication, particularly in those areas where the wire ropes pass around the sheaves during the up & down movement of the platform.

Remove the covers from the tops of the column assemblies and from the main frame. Clean the wire rope area first, then make a visual check.

⚠ WARNING

Do not check wire ropes with your fingers and when unit is operating.

It will be necessary to run the platform through several cycles of operation (stopping the unit frequently), to enable you to inspect the required areas of wire rope. The wire rope (wire rope), is composed of several strands of individual wires, **See Figure 1**. Fatigue breaks occur in individual wires, (the breaks being square and usually in the crown of the strands). See **Figure 2**

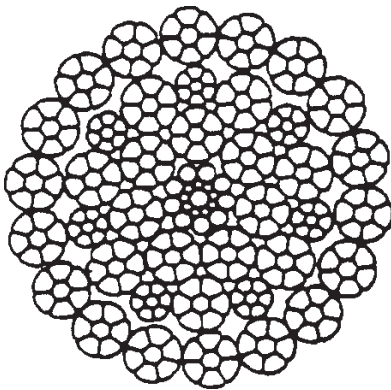


Figure 1



Figure 2

The wire rope comes from the factory internally lubricated, however, if during your inspection the wires look dry, then greasing with automobile type grease can prolong the life of the wire rope.

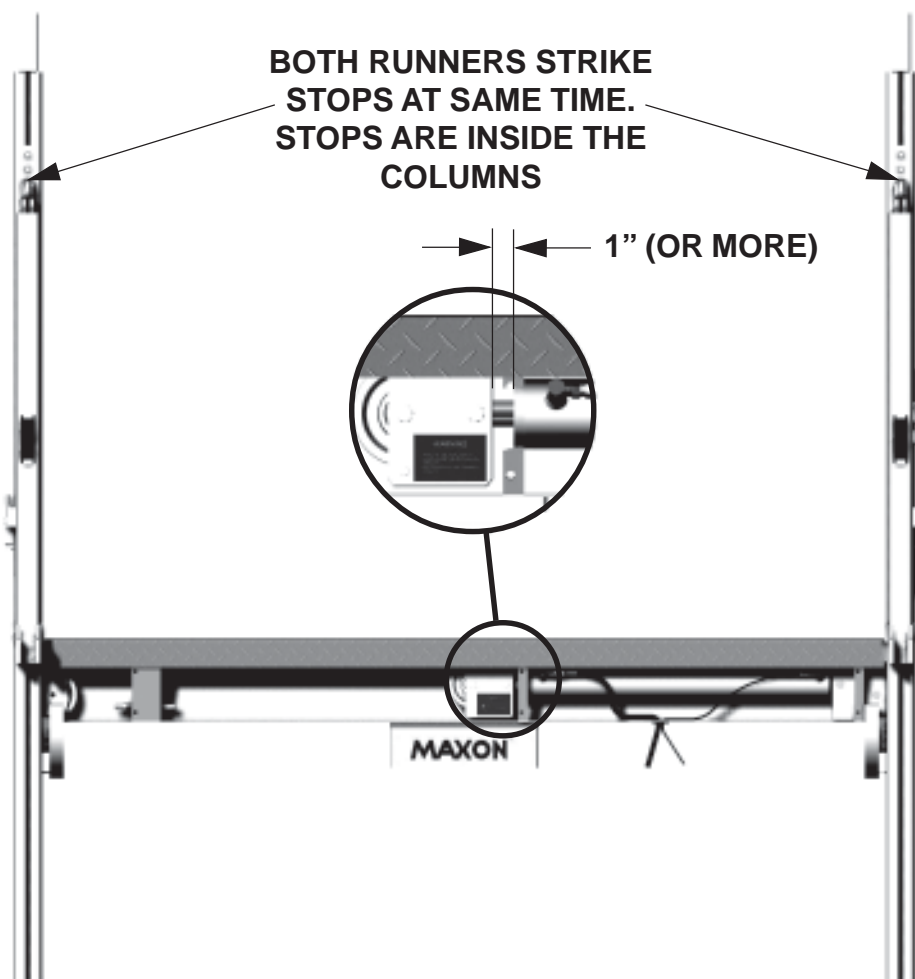
If 6 or more wires are broken in any 2-1/2" length of wire rope, the wire rope must be replaced. **See Wire Rope Replacement.** Note: The "**WARNING**" plate attached to the R.H. end of the Main Frame Cover gives explicit information regarding broken wires.

WIRE ROPE ADJUSTMENT

Under normal operating conditions (using the unit to it's rated capacity) the wire ropes should not require adjustment at the 3 month inspection period. However, it is suggested that the unit be CHECKED at this time, anyway.

.....
Remove the cover from the main frame assembly.
.....

Using the curb side remote control switch, raise the platform. Watch the tops of the runners, right and left hand side of the unit. BOTH runners should strike the stops in the column assemblies at the same time. Release the switch toggle. In the main frame assembly check the amount of rod extending from the cylinder barrel. There should be 1" (or more) showing. Under these conditions the wire ropes DO NOT require adjustment.

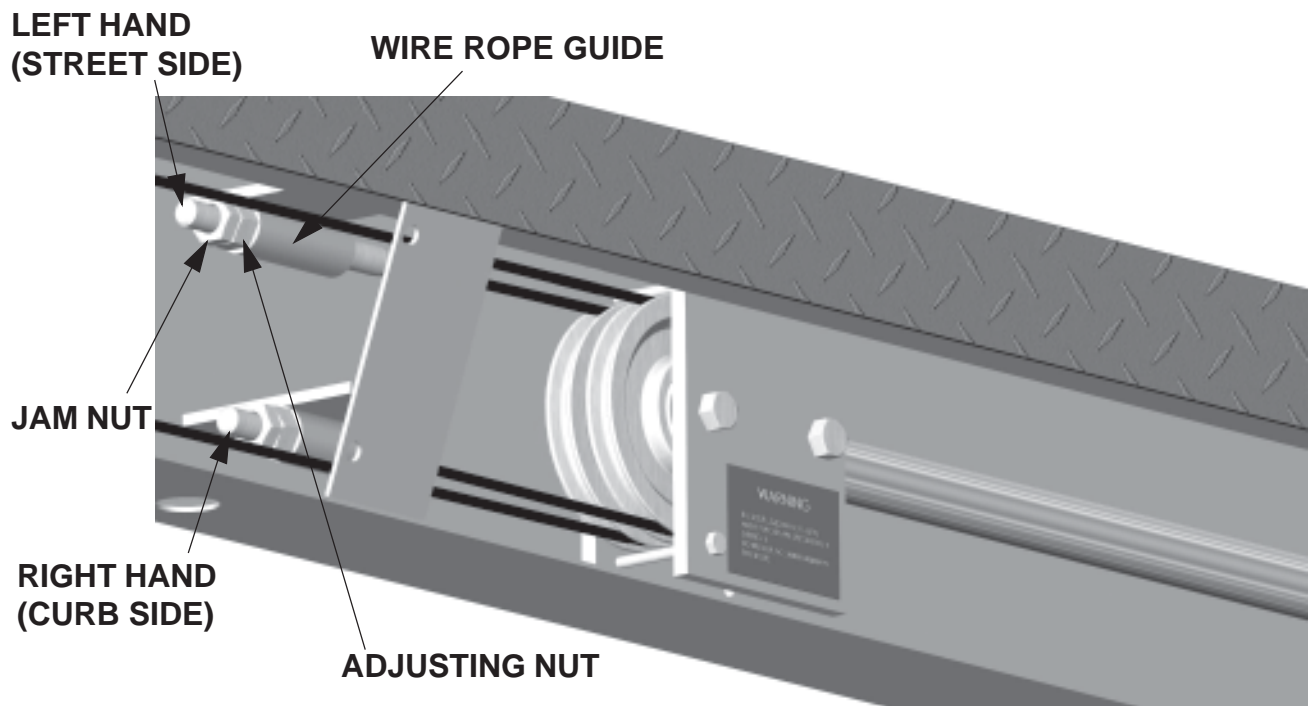


If one runner strikes the stop and the other does not, indicates that the wire rope has stretched on the runner which does not strike the stop, or the cylinder rod has bottomed out in the barrel. Measure the gap between runner and stop. Adjust per instructions on the next page.

If the LEFT HAND runner is not touching the stop then the LEFT HAND wire rope will require adjustment.

If the RIGHT HAND runner is not touching the stop the RIGHT HAND wire rope will require adjustment. Proceed as described below.

.....
Lower platform to the ground .
.....



LEFT HAND WIRE ROPE ADJUSTMENT SHOWN
Figure 1

If the *right hand* wire rope was the one to be adjusted the procedure is the same, except the *lower wire rope fitting*, (RH side), would be the one to adjust.

Loosen the jam nut. With a wrench, screw adjusting nut in a clockwise direction to pull wire rope fitting thru the guide. If the gap between runner and stop was 3/8" (for example) then adjust nut against guide until 3/8" of wire rope fitting has been pulled thru the guide.

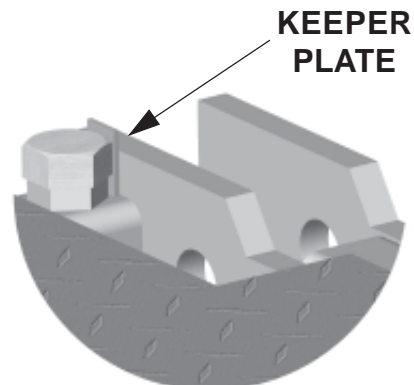
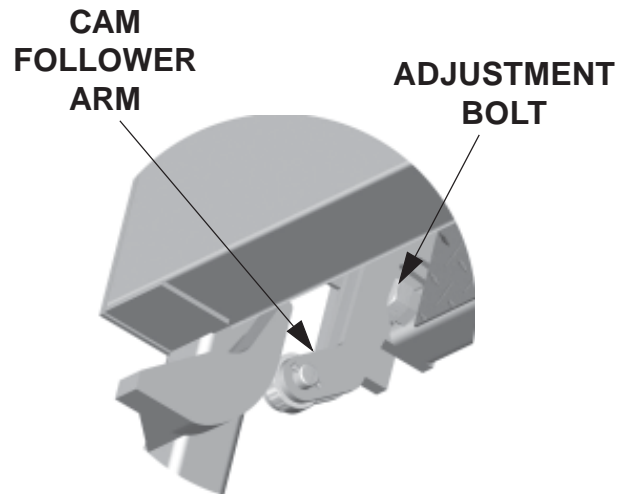
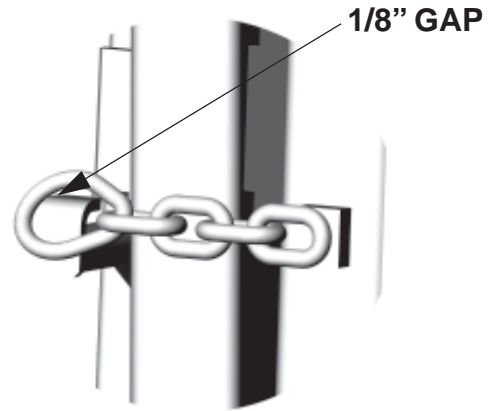
It may not be possible to obtain the correct adjustment the first time. Operate the unit and check the runners. If both runners touch the stops at the same time and 1" of cylinder rod shows from the barrel, the adjustment is correct. If not, lower platform to ground and adjust accordingly on adjusting nut. Operate unit and re-check. When adjustment is correct, tighten jam nut.

CAM FOLLOWER ADJUSTMENT

ADJUSTMENT OF THE CAM FOLLOWER MUST BE DONE BY THE FOLLOWING STEPS:

NOTE: THE CAM FOLLOWER SHOULD NOT BE ADJUSTED TO THE POINT WHERE THE CHAIN ENGAGES LOOSELY. A 1/8" GAP FROM CHAIN TO PIN IS SUFFICIENT.

1. ROTATE THE PLATFORM CLOSER HANDLE CLOCKWISE UNTIL THE CAM FOLLOWERS ARE AGAINST ADJUSTMENT BOLTS.
2. RAISE THE PLATFORM TILL ONE OF THE CAM FOLLOWER ARMS IS TOUCHING THE ADJUSTMENT BOLT.
3. UNSCREW THE OPPOSITE SIDE ADJUSTMENT BOLT UNTIL IT TOUCHES THE CAM FOLLOWER ARM.
4. CONTINUE TO RAISE THE PLATFORM UNTIL IT REACHES UP STOPS. ENGAGE THE PLATFORM RETENTION CHAIN.
5. IF YOU CAN'T ENGAGE THE CHAIN, UNSCREW BOTH CAM FOLLOWER ADJUSTMENT BOLTS A LITTLE MORE.
6. REPEAT STEP 4 AND 5 UNTIL THE CHAIN IS ENGAGED.
7. OPEN THE PLATFORM AND BEND THE KEEPER PLATE AGAINST THE FLAT EDGE OF THE BOLTS.



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3 POINT CHAIN INSPECTION

It is important for you to perform the following inspections to ensure your RC liftgate is operating correctly. If any of the inspections and/or corrections are not performed, chain assembly may get caught and keep liftgate from opening.

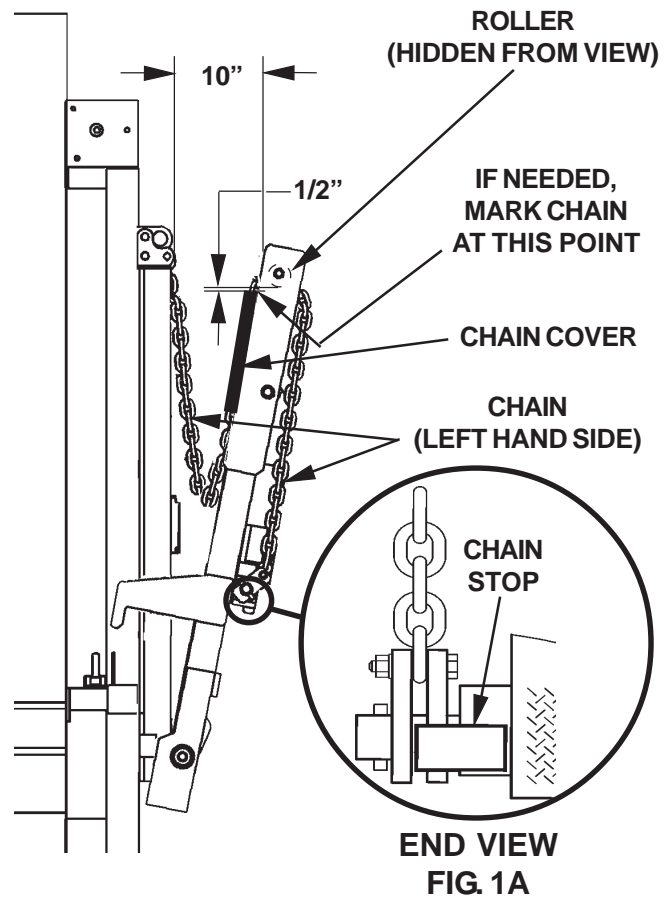
1. Unfold the Platform about 10" from the stowed position (FIG. 1). Then, make sure both **Chain Stops (FIG. 1A)** are in place and both **Chains (FIG. 1)** are not twisted. Next, make sure **Chain Covers** are positioned correctly (FIG. 1) and bolted to **Chain** with fasteners shown in FIG. 2B.

2. If the **Chains** are twisted or if **Chain Covers** are incorrectly positioned, unfold and lower Platform to the ground. Unbolt upper end of Chain from Runner as shown in FIG. 2C. Untwist Chain until every other link is in a straight line (FIG. 1A) and re-fasten.

3. If **Chain Cover** is not positioned correctly (FIG. 1), measure length of Flipover ("A") (FIG. 2A). Next, measure distance ("B") from center of **Folding Section Pin** to center of **Flipover Hinge Bolt (FIG. 2D)**. After measuring "A" & "B", find correct position "L" for **Chain Covers** in TABLE 1. Bolt the Chain Cover to Chain (FIG. 2B).

4. Raise and fold Platform about 10" from the stowed position (FIG. 1). Check for correct position of **Chain Cover (FIG. 1)**. If both **Chain Covers** are positioned correctly, you have completed this procedure. If position is incorrect for **Chain Cover** on either side, do step 5.

5. Mark the Chain where the end of **Chain Cover** should be (FIG. 1). Open the Platform. Unbolt the Chain Cover (FIG. 2B). Move the Chain Cover to the mark on the Chain (FIG. 1). Bolt the Chain Cover (FIG. 2B) in correct position. Repeat step 4.

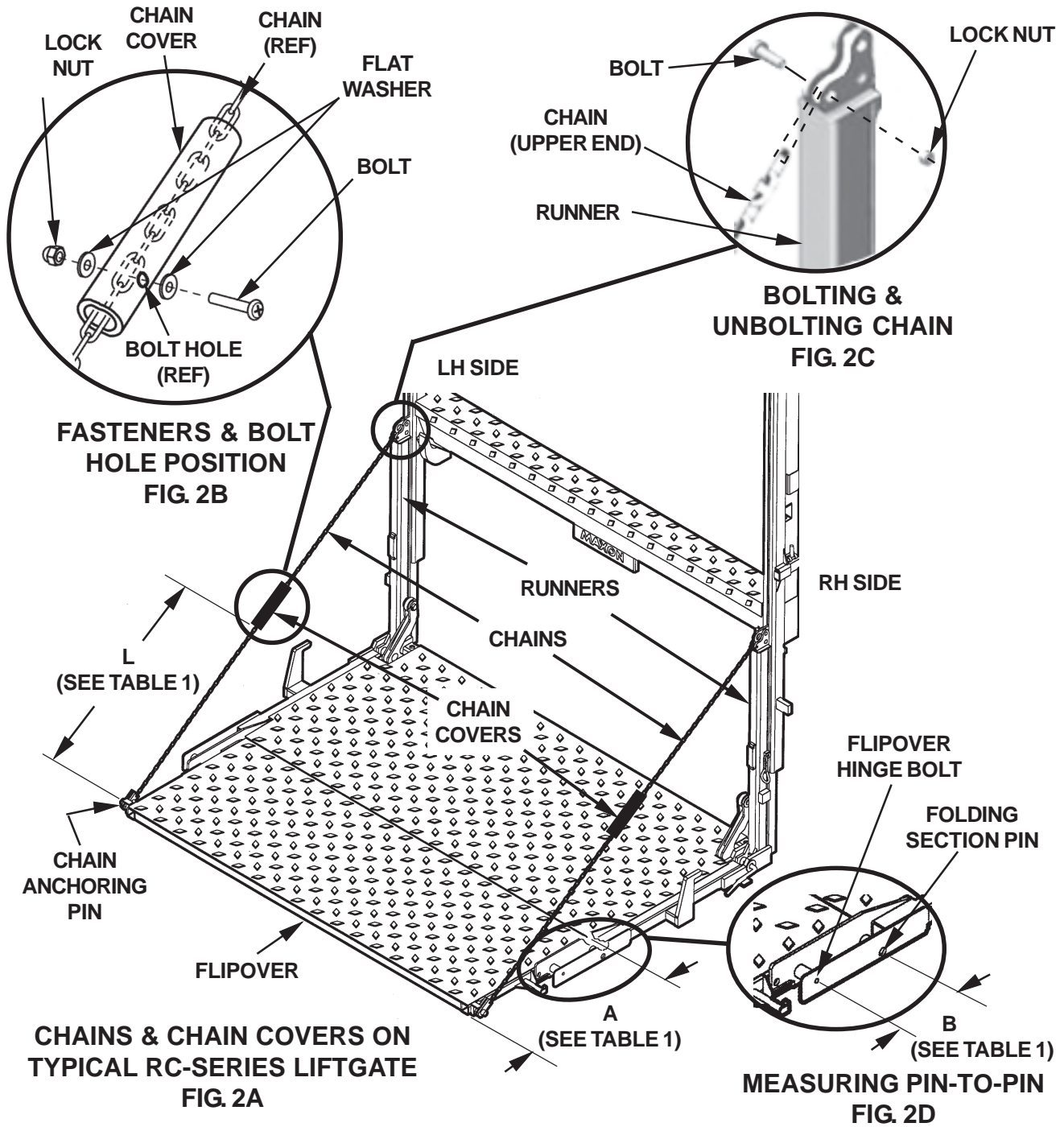


CHAINS ON TYPICAL RC-SERIES LIFTGATE (LEFT HAND SIDE SHOWN)
FIG. 1

Contact MAXON for replacement parts. All attaching hardware is Grade 8 quality.

3 POINT CHAIN INSPECTION - Continued

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IF FLIPOVER LENGTH "A" =	18"	18"	24"	24"	30"	30"	36"	36"	42"	42"
& PIN-TO-PIN LENGTH "B" =	10"	14"	10"	14"	10"	14"	10"	14"	10"	14"
CHAIN COVER POSITION IS = "L"	31"	35"	37"	41"	43"	47"	49"	53"	55"	59"

TABLE 1

3 MONTH MAINTENANCE SCHEDULE

Check the Hydraulic Fluid level in the Pump Reservoir. Refer to the **CHECKING HYDRAULIC FLUID** procedure in the **GENERAL MAINTENANCE** section.

If Hydraulic Fluid appears contaminated, refer to the **CHANGING HYDRAULIC FLUID** procedure in the **GENERAL MAINTENANCE** section.

Keep track of the grade of Hydraulic Fluid in the Pump Reservoir and never mix two different grades of fluid.

Check all Hoses and Fittings for chafing and fluid leaks. Replace if necessary.

Check electrical wiring for chafing and make sure wiring connections are tight and free of corrosion. Apply dielectric grease to electrical connections.

Check that all **WARNING and instruction decals** are in place. Also make sure decals are clean, readable, and undamaged.

Check if nuts and bolts are tight. Tighten if necessary.

Check for rust and oily surfaces on Liftgate. If there is rust or oil on Liftgate or if the Liftgate is dirty, clean it off. Touch up the paint where bare metal is showing.

Inspect the wire ropes. Check for broken wire strands and check both ends of each rope for corrosion.

Check for excessive wear and broken welds. See **PARTS BREAKDOWN** section for replacement parts.

Grease the Liftgate where grease fittings are provided.

Make sure both Columns are free of grease where the Runners roll inside the Columns.

PARTS REPLACEMENT

WIRE ROPE REMOVAL

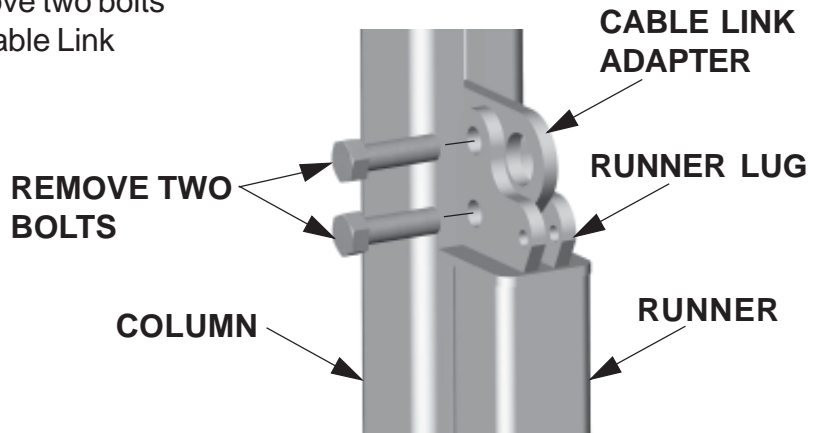
Determine which wire rope needs replacing. **NOTE!** Both wire ropes will usually wear out at the same time, therefore WE RECOMMEND that both wire ropes be changed at the same time.

The following instructions cover changing BOTH wire ropes. If only one wire rope is changed, use the appropriate sections for that wire rope.

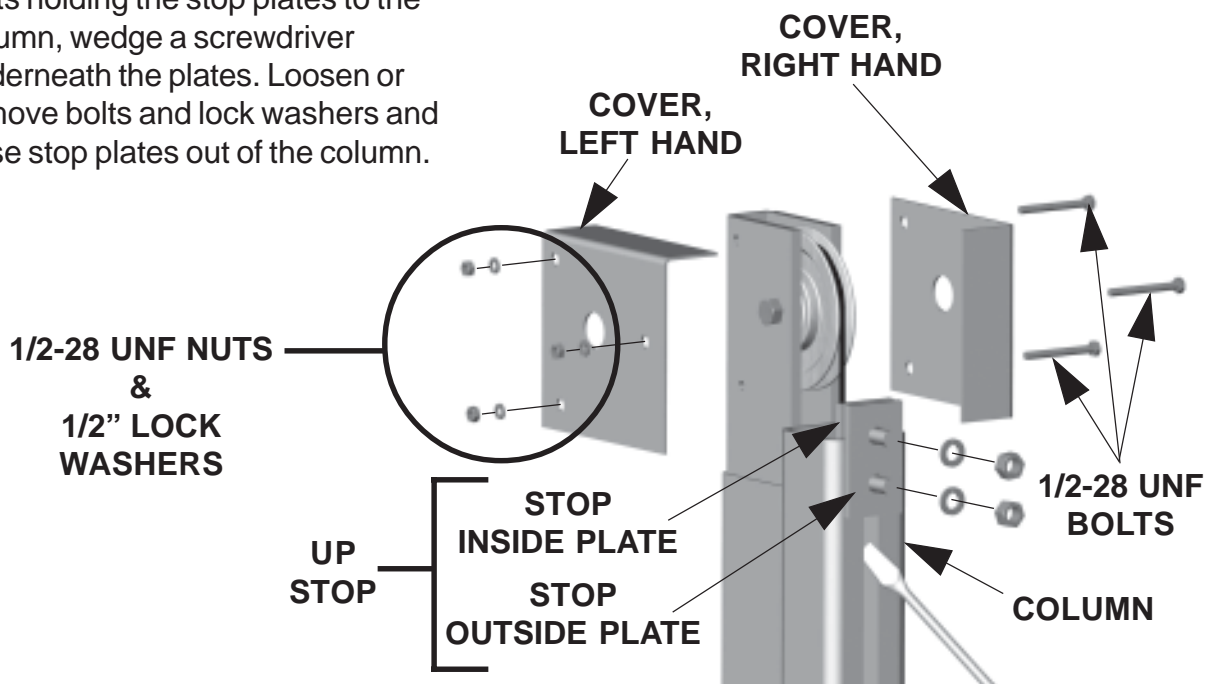
NOTE: Be sure to save all parts that you remove as they are to be reused when the unit is reassembled.

NOTE: Save all parts that you remove except parts that need to be replaced. The parts can be reused to reassemble the unit.

1. Lower Platform to ground. Remove two bolts from the Runner Lug and the Cable Link Adapter.



2. Remove the sheave covers from top of column. Before removing the 3/8" bolts holding the stop plates to the column, wedge a screwdriver underneath the plates. Loosen or remove bolts and lock washers and ease stop plates out of the column.

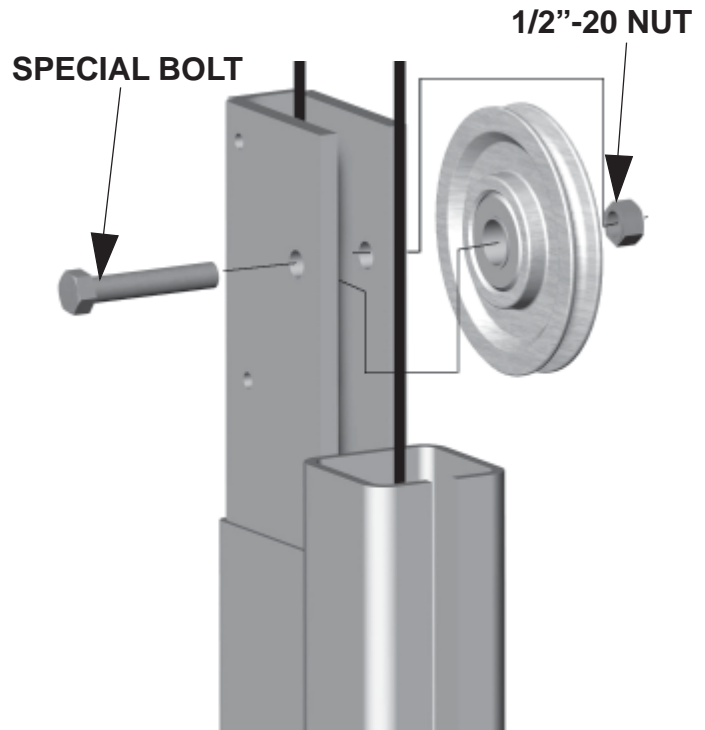


⚠ WARNING

All the sheaves in the RC are bolted on with special bolts. No other bolts can be substituted. If replacements are needed, order only the part numbers listed in these instructions.

3. Remove the sheaves from the tops of the Column assemblies. Check the bolts for wear in the area where the sheave has been rotating. If the bolts are worn, they must be replaced.

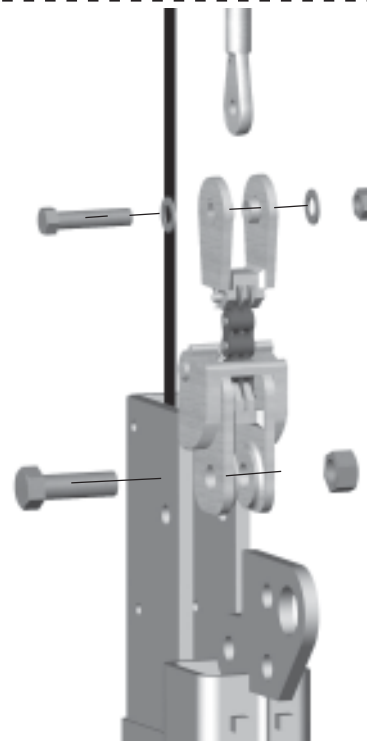
For RC-2, use P/N 202438. RC-3, RC-4, RC-5, and RC-6 use P/N 202465.



4. Check the sheaves to see if they have been badly nicked or chipped in the areas where the cable lays. If they need replacing, see the parts breakdown for your unit to obtain the correct part number.

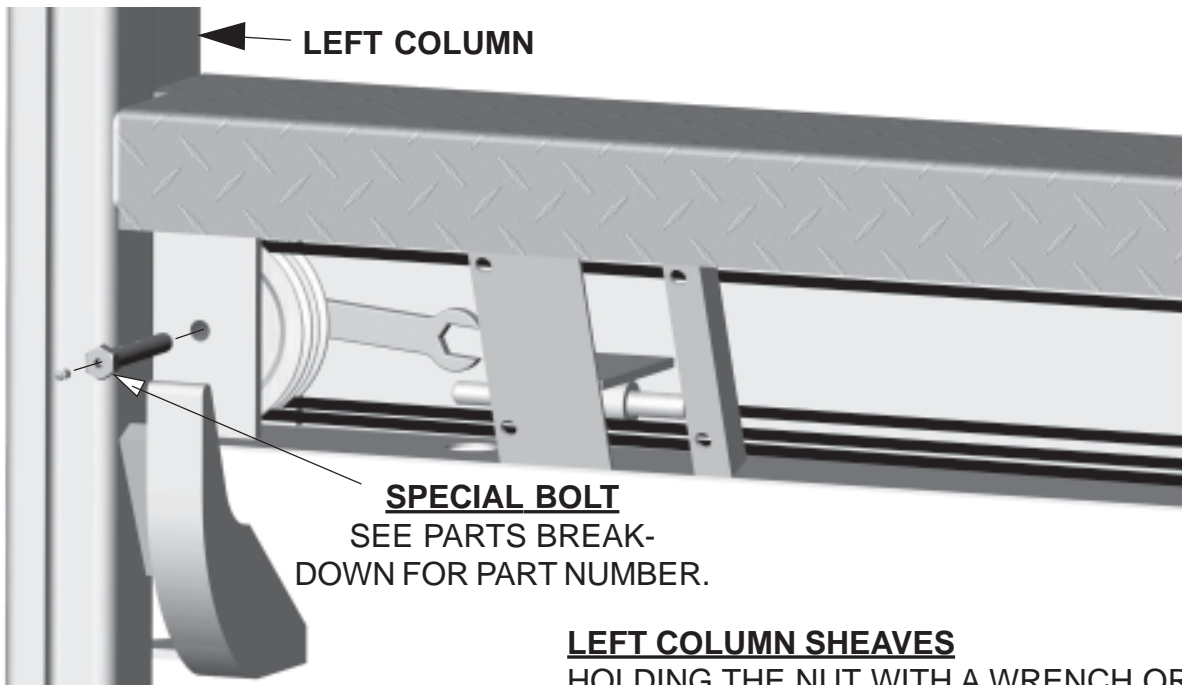
NOTE: It is not necessary to remove the lower bolt from the brake assembly unless brake is being replaced.

5. With the stops removed, the brake assembly can be pulled out of the Column. The wire rope end fitting can now be removed from the upper portion of the brake assembly. Let the wire rope hang out over the top of the Column assembly.



WIRE ROPE REMOVAL - Continued

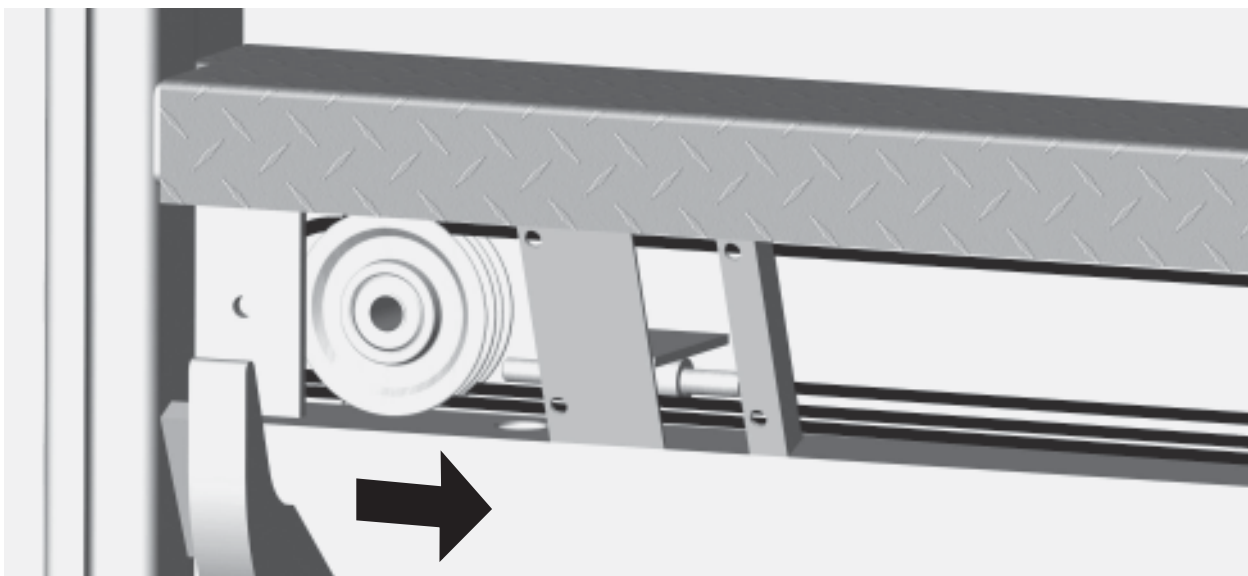
6. Remove main frame cover. If BOTH wire ropes are to be removed, ALL FIVE SHEAVES will need to be removed from inside the main frame assembly. The left column sheaves, the two cylinder sheaves and the right column sheave. Inspect sheaves for excessive wear and grooves. Replace if needed.



LEFT COLUMN SHEAVES

HOLDING THE NUT WITH A WRENCH OR FINGER TIPS, REMOVE THE BOLT AND LOCK WASHER.

7. Remove both sheaves and spacer washers, (washers located between the sheaves for the RC-2 and RC-3 only.), from the anchor plates.

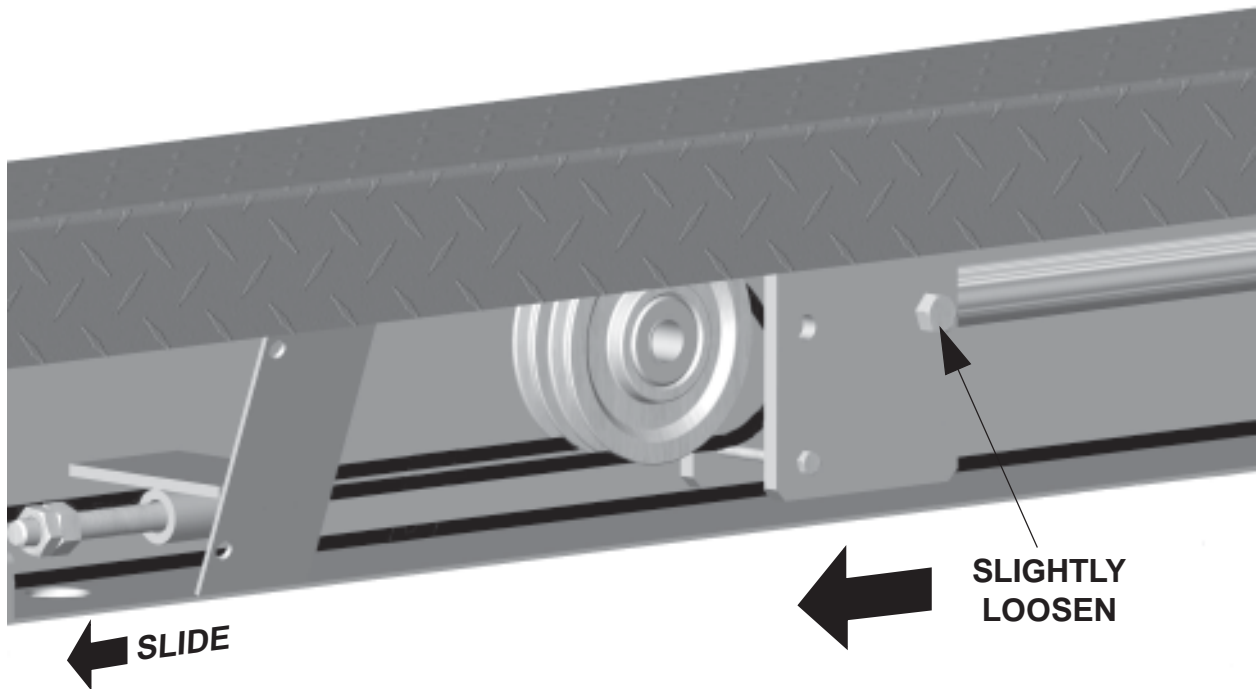


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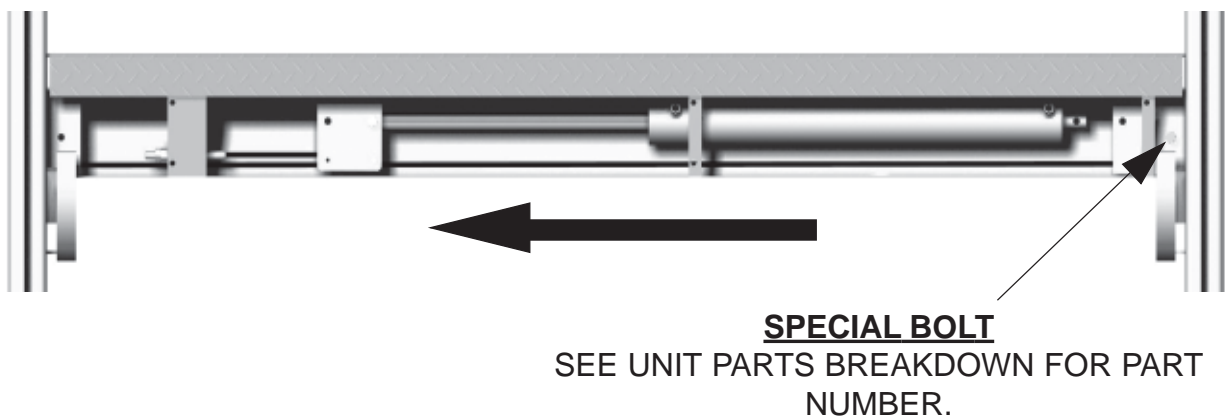
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NOTE: Lightly grease the floor of the cylinder housing where the cylinder and sheave assembly slides.

8. In the same manner shown for the left column sheaves, remove the bolt and lock washer holding the sheaves in the cylinder anchor plates. (Sheave uses a special bolt. See the **PARTS BREAKDOWN** section for part number.) Pull the sheaves out of the anchor plates. At the same time slide the wire rope end fitting to the left. The sheaves can now be removed.

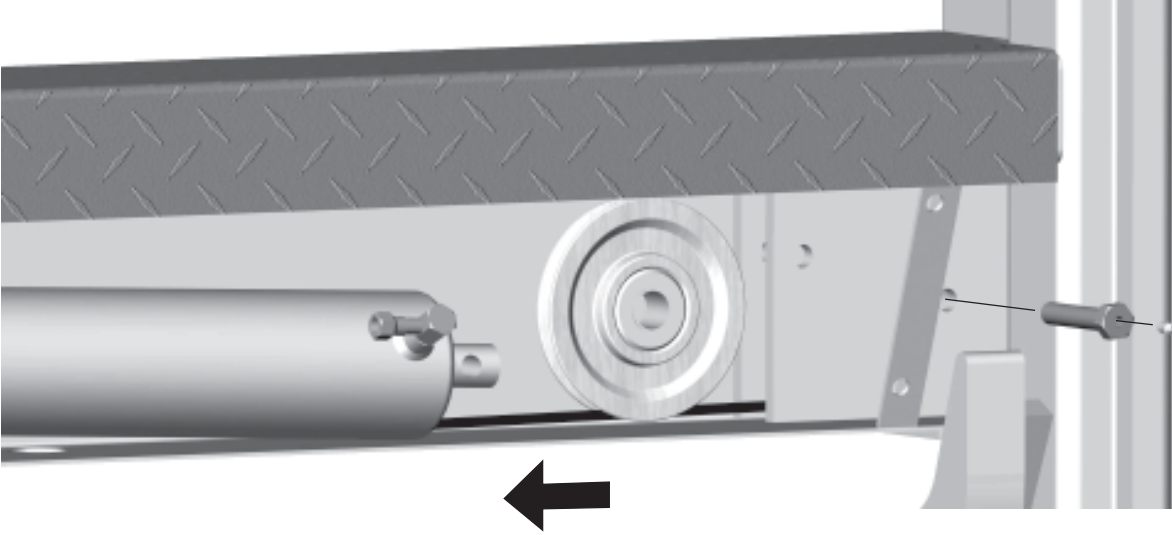


9. To obtain access to the Right Column sheave, remove the bolt holding the butt end of the cylinder in the anchor plates. Slide the complete cylinder assembly to the left.



WIRE ROPE REMOVAL - Continued

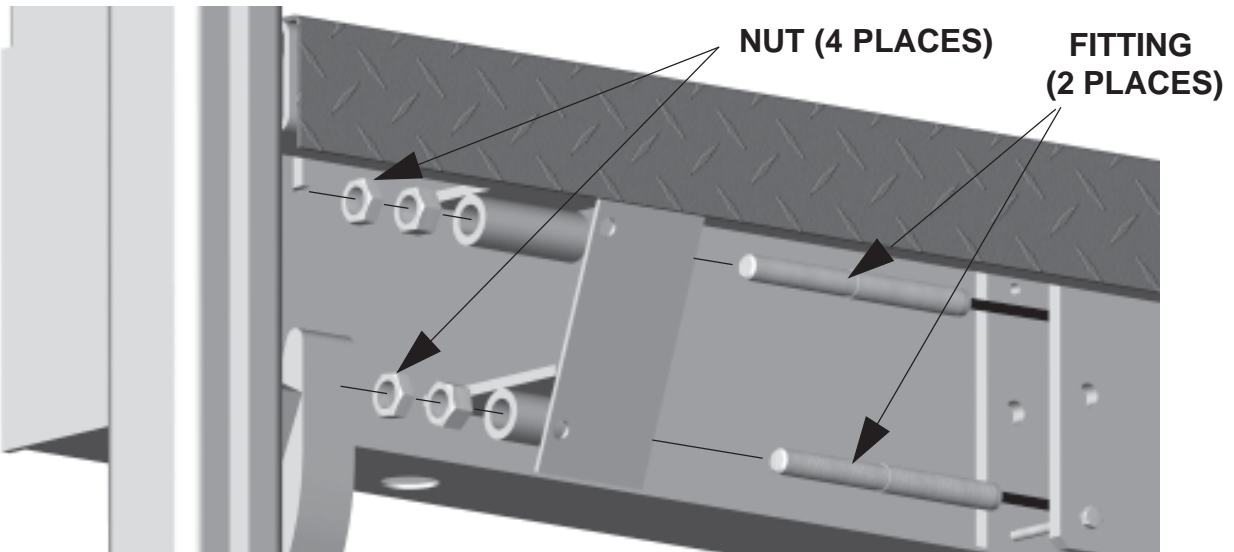
10. The sheave bolt can now be removed in similar manner to the other sheave bolts. Slide the sheave out of the anchor plates.



11. Slide the complete cylinder assembly to the right.



12. Remove the nuts from both wire rope end fittings. Pull the wire rope end fittings out of the tubes. From the top of each Column assembly, pull the wire ropes up and out of the unit.

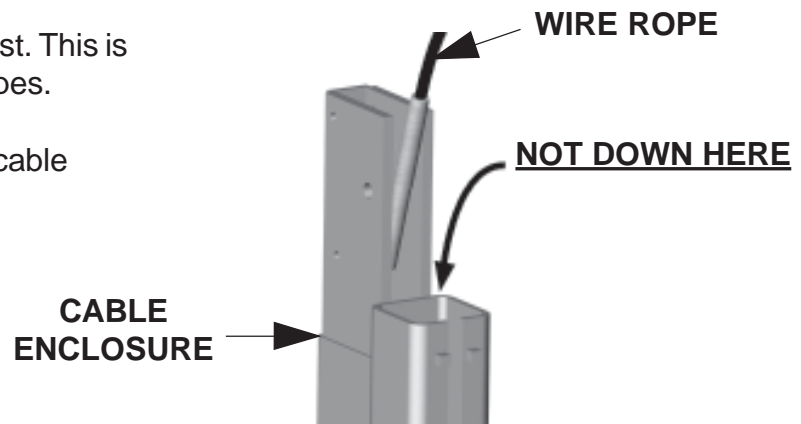


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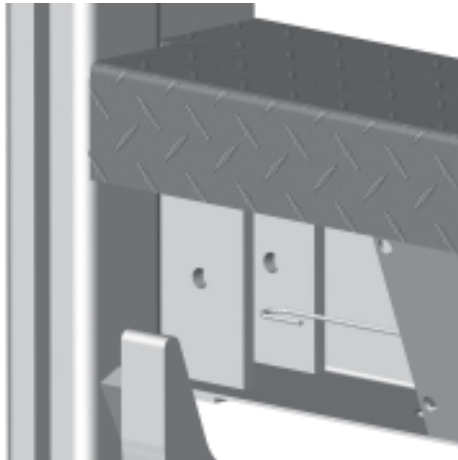
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WIRE ROPE REPLACEMENT

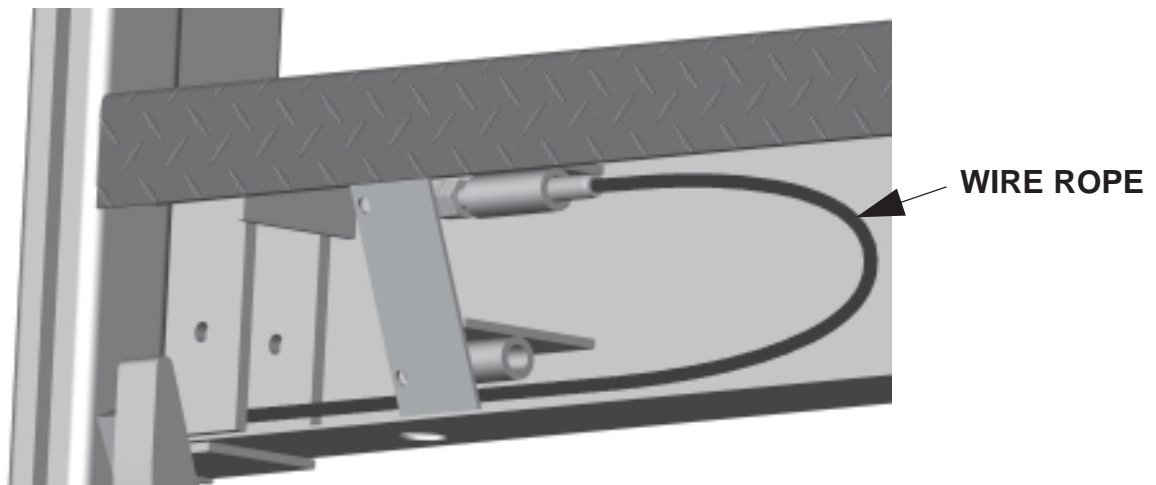
1. Install the left hand wire rope first. This is the shortest of the two wire ropes. Insert the wire rope end fitting (threaded end) down into the cable enclosure.



2. When the wire rope end reaches the bottom of the column, use a length of bent wire to fish the wire rope out into the main frame assembly.

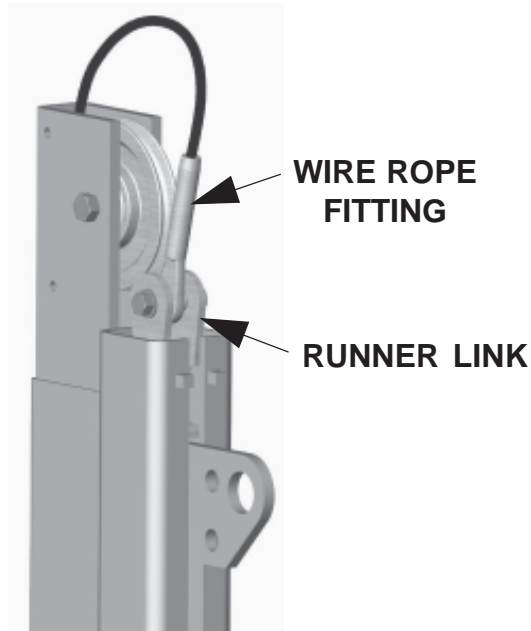


3. Pull approximately 3 feet of wire rope into the main frame assembly. Insert the threaded end of the wire rope into the top tube of the wire rope end retainer assembly. Install one nut to the wire rope end.

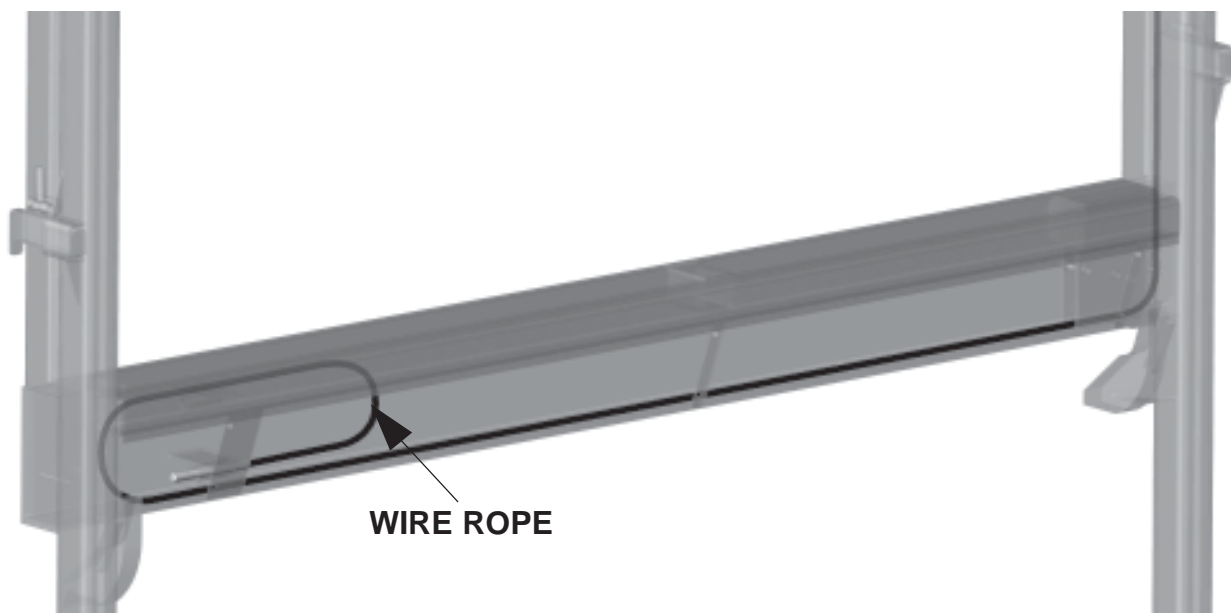


WIRE ROPE REPLACEMENT - Continued

4. Install the sheave to the top of the left Column Assembly. Install the wire rope fitting to the Runner Links.



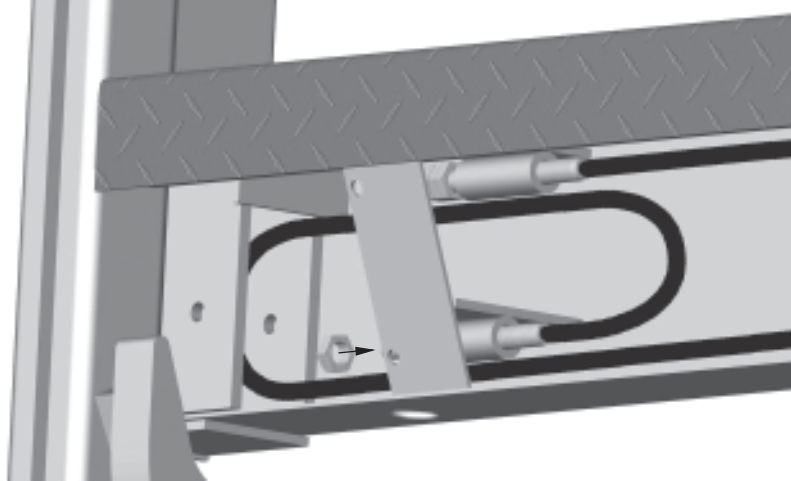
5. For the longer wire rope installation on the right hand column, use the same procedure that you used for the left hand column. Approximately 11 to 12 feet of wire rope will need to be pulled into the main frame assembly. To give a clearer picture, the illustration shows what will be the final lay of the right hand wire rope.



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6. Insert the threaded end of the wire rope into the bottom tube of the wire rope end retainer assembly. Install one nut to the wire rope ends.

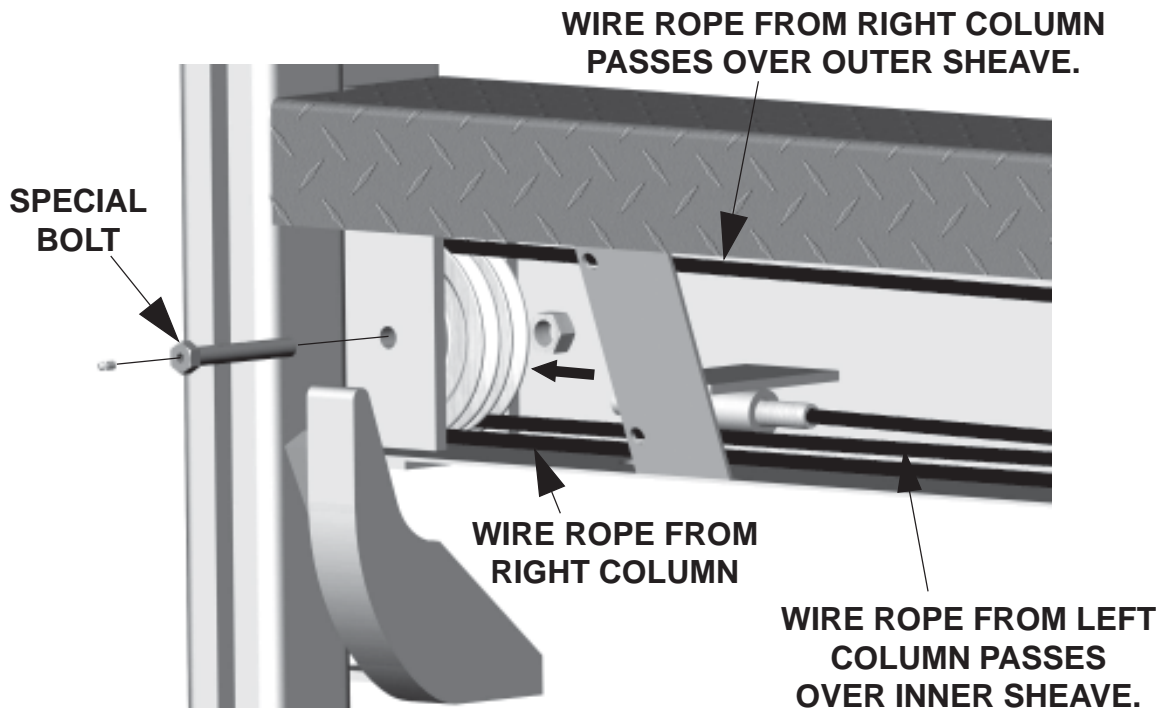


7. Repeat the same procedure for the right side pulley that you used for the left side.

NOTE: The sheaves on RC-2 and RC-3 are bolted and unbolted as shown in the illustration on next page.

8. Install the 2 left column sheaves inside the main frame assembly. Be sure the wire ropes are seated in the grooves of the sheaves. To start the nut on the bolt hold the nut between the fingers and insert behind the sheave anchor plate. Finish tightening nut with a wrench.

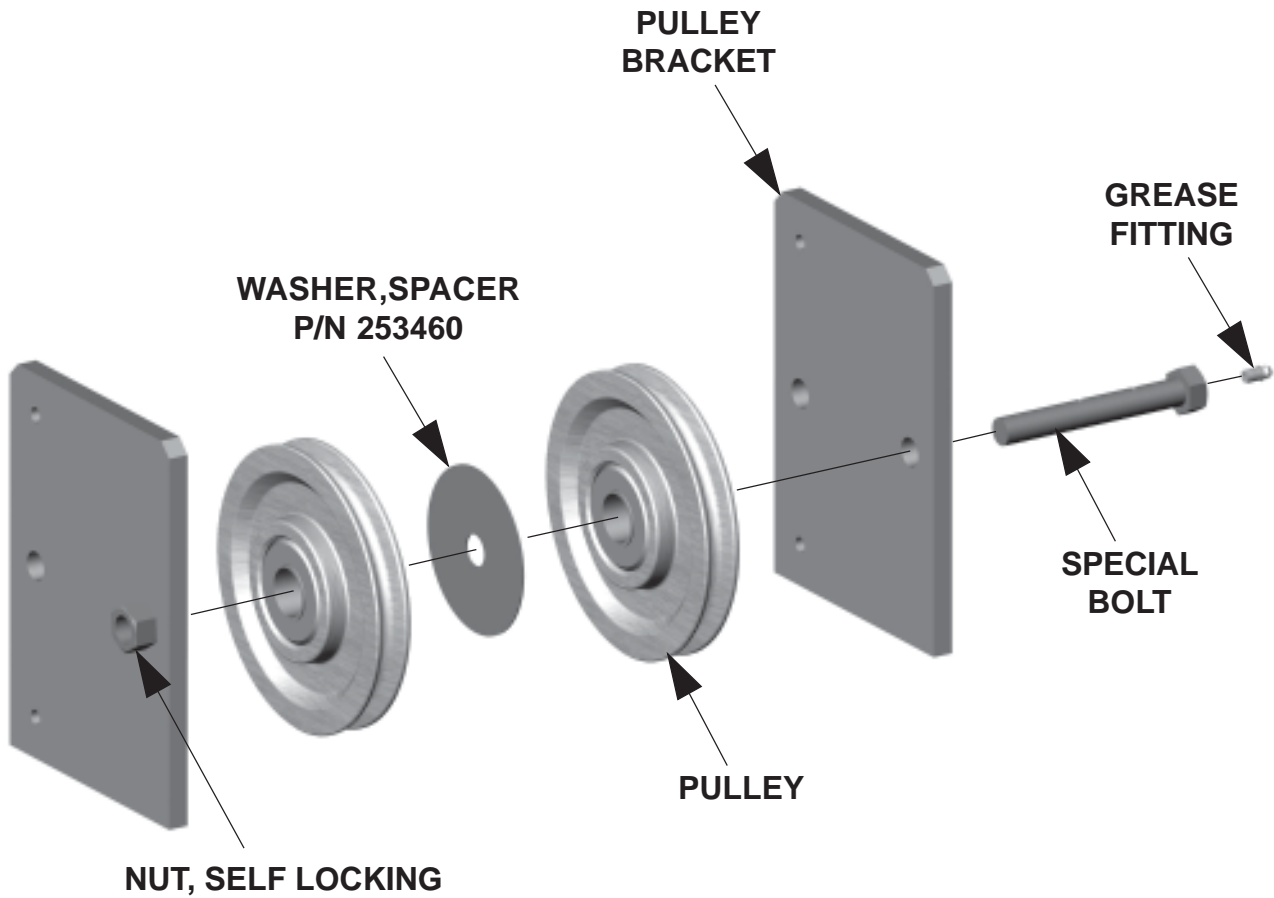
NOTE: THE LOCK WASHER IS UNDER THE HEAD OF THE BOLT.



WIRE ROPE REPLACEMENT - Continued

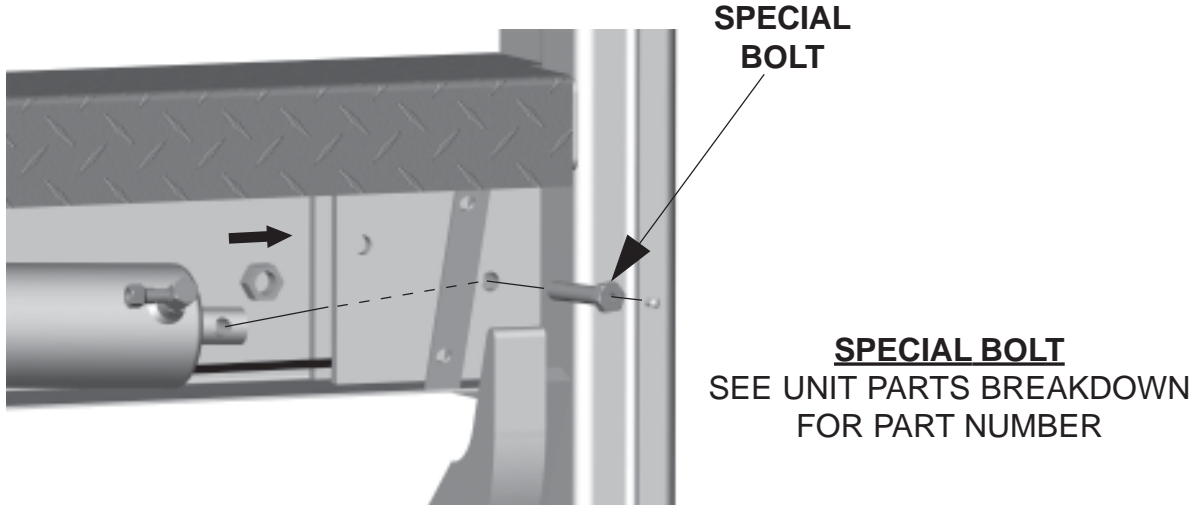
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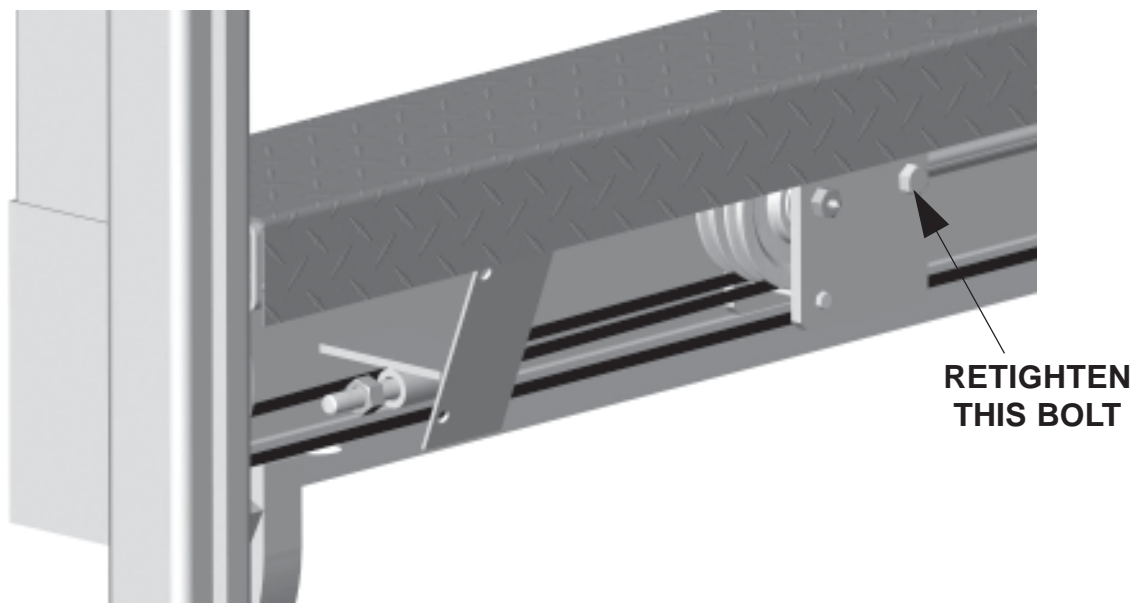


**SHEAVES ARE SHOWN FOR CYLINDER ROD END AND
LOWER LEFT HAND PULLEY BRACKET ON RC-2 & RC-3.**

9. Move cylinder assembly to the left. Install the right column sheave. Be sure the wire rope is seated in the groove. The sheave is installed in the identical manner as the left column sheave.

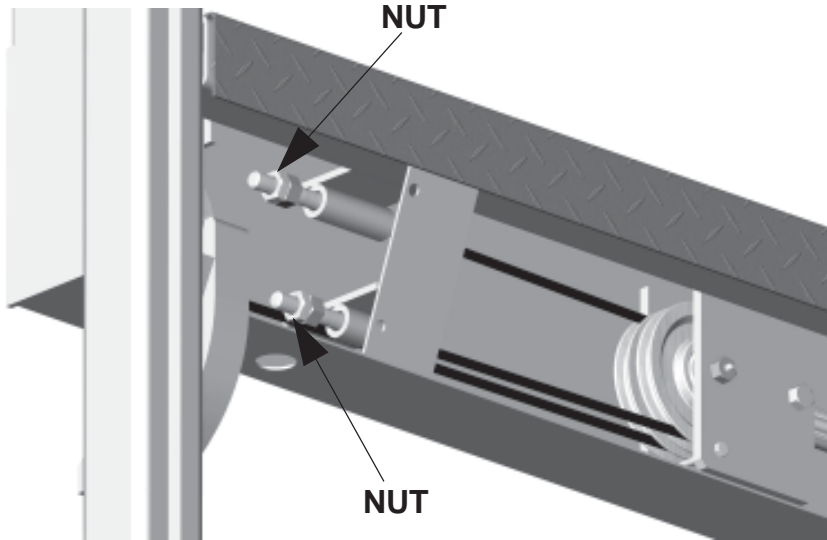


10. Install the butt end of the cylinder to the right hand anchor plate. This bolt is identical to the right hand sheave bolt. **IT IS A SPECIAL BOLT. NO SUBSTITUTION ALLOWED.**
11. Install the two cylinder anchor plate sheaves. Be sure that **BOTH** wire ropes are seated in the grooves. The sheave bolt **IS A SPECIAL BOLT. NO SUBSTITUTION ALLOWED.**
12. The right and left hand runners can now be un-clamped and lowered down the column assemblies. This will take up most of the slack in the wire rope.



WIRE ROPE REPLACEMENT - Continued

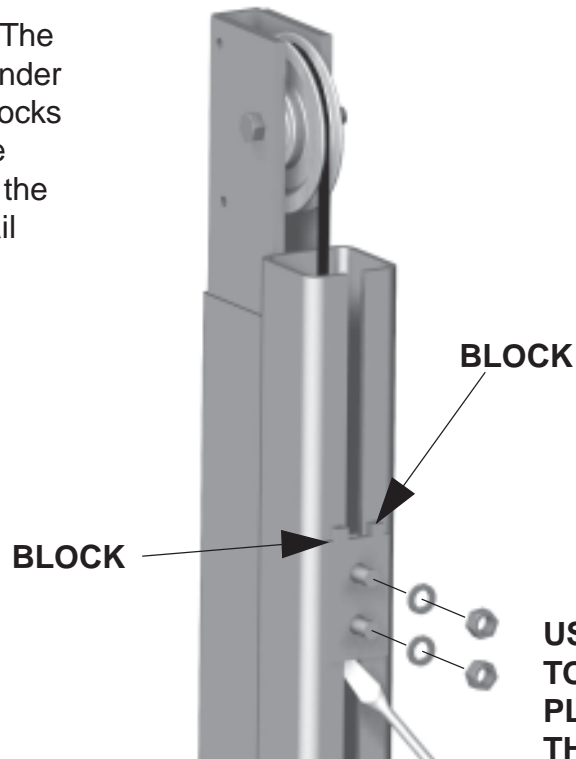
13. Install the remaining two nuts to the cable end fittings. Run the nuts down on the cable fittings to take up the remaining slack.



⚠ WARNING

Check that all bolts are tight before operating Liftgate.

14. Stop plates must be installed in each column. The outside stop plates fit under and flush against the blocks welded to columns. The outside stop plates are the same for all MAXON rail lifts.



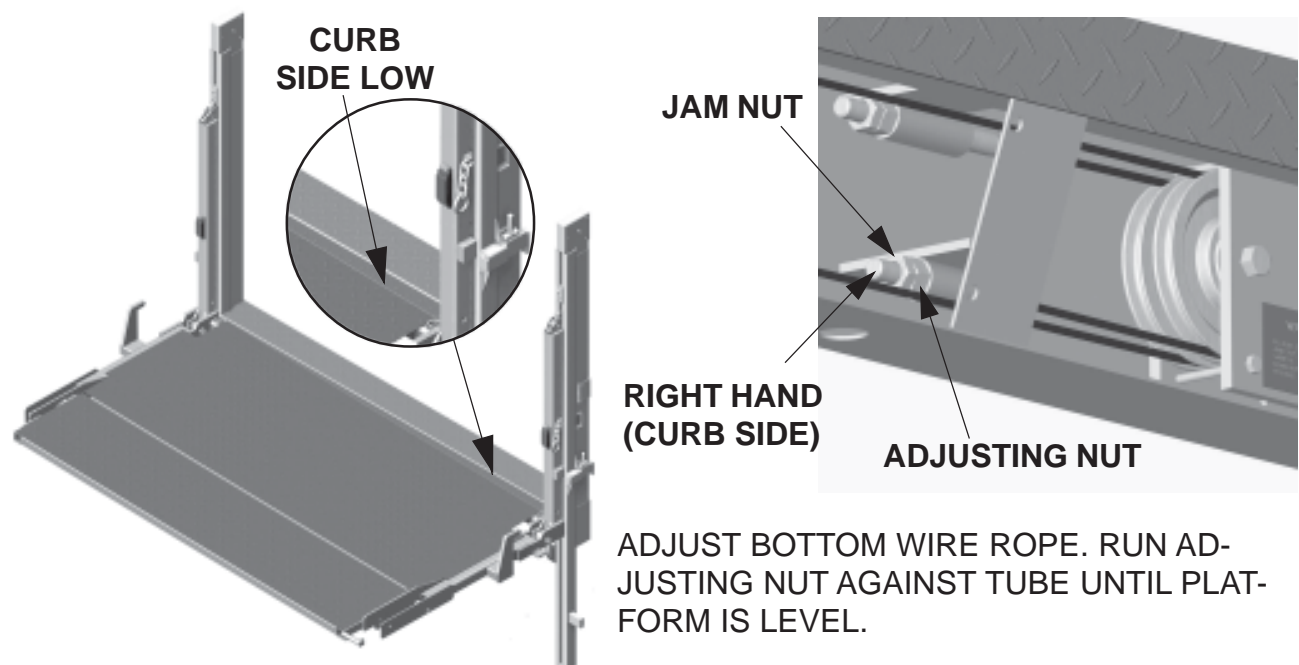
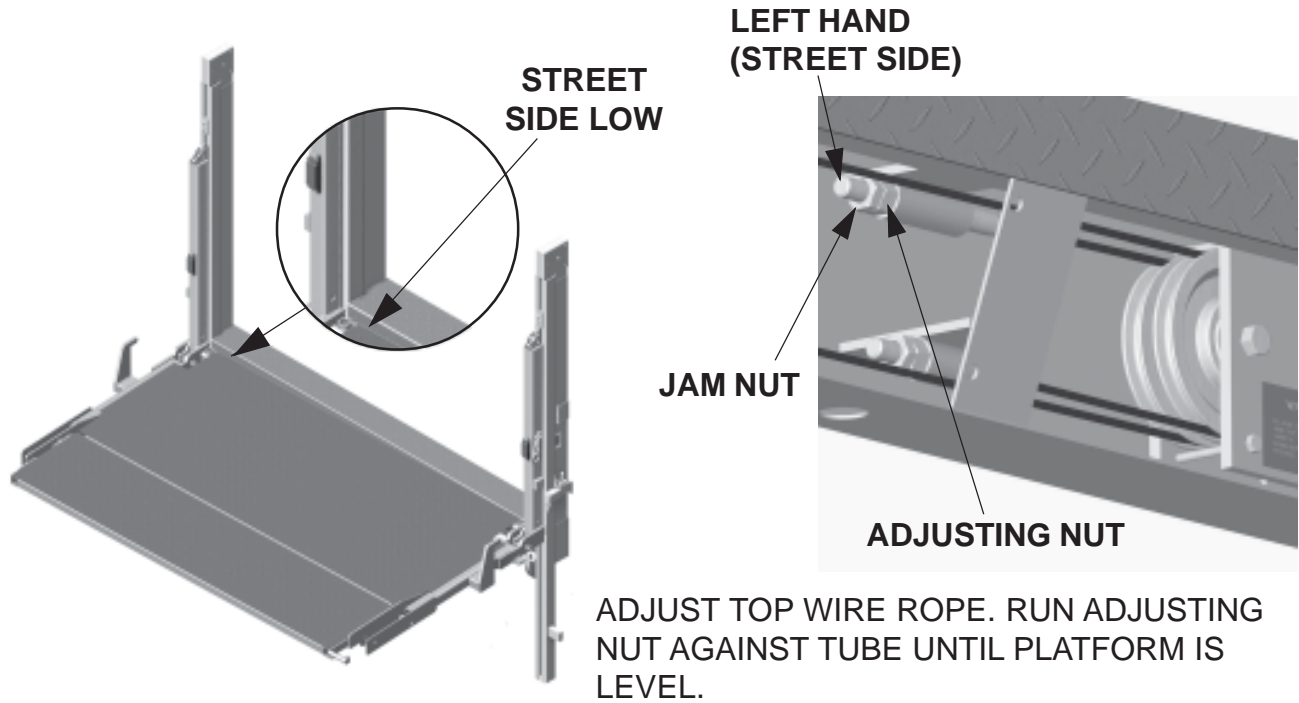
USE A SCREWDRIVER TO EASE STOP PLATES INTO COLUMN. THEN INSTALL BOLTS AND LOCK WASHERS.

ADJUSTING NEW WIRE ROPES

Using curb side control switch raise platform until it is almost on a level with the top surface of the main frame assembly.

DO NOT ALLOW RUNNERS TO HIT STOPS.

Release toggle switch, Check that the platform is level. If it is not level the required wire rope will need to be adjusted to bring platform level. See illustrations below. Platform can be lowered to make the adjustment.



ADJUSTING NEW WIRE ROPES - Continued

1. USING CURB SIDE SWITCH, RAISE PLATFORM UNTIL TOPS OF RUNNERS ARE ABOUT 1/4" FROM THE STOPS IN THE COLUMN ASSEMBLIES. RELEASE TOGGLE SWITCH. **DO NOT ALLOW TOPS OF THE RUNNERS TO HIT STOPS. THERE MUST BE A GAP.**
2. CHECK THE AMOUNT OF CYLINDER SHAFT EXTENDING FROM THE BARREL. THERE SHOULD BE 1-1/8" (MIN). IF YOU DO NOT HAVE THIS DIMENSION "BOTH WIRE ROPES WILL REQUIRED ADJUSTING EQUALLY TO GIVE THIS DIMENSION".
3. RUN PLATFORM UP TO MAIN FRAME ASSEMBLY AND CHECK THAT PLATFORM IS STILL LEVEL. ADJUST APPROPRIATELY IF NECESSARY.

THE OBJECT OF THE NEXT ADJUSTMENT IS TO ALLOW THE CURB SIDE RUNNER TO HIT THE STOP 1/2" BEFORE THE STREET SIDE RUNNER. THIS ADJUSTMENT IS MADE ON THE "LOWER" WIRE ROPE FITTING (RIGHT HAND, CURB SIDE WIRE ROPE).

4. TIGHTEN THE ADJUSTING NUT AGAINST THE TUBE APPROXIMATELY 6-8 TURNS. RAISE PLATFORM. AS SOON AS THE CURB SIDE RUNNER TOUCHES THE STOP RELEASE THE SWITCH. CHECK THE DISTANCE BETWEEN THE TOP OF THE STREET SIDE RUNNER AND THE STREET SIDE STOP. IF THE MEASUREMENT IS 1/2" THE ADJUSTMENT IS CORRECT. IF IT IS NOT. LOWER THE PLATFORM AND ADJUST THE "LOWER" WIRE ROPE AGAIN. RAISE PLATFORM AND RELEASE SWITCH WHEN CURB SIDE RUNNER TOUCHES THE STOP. CHECK MEASUREMENT BETWEEN TOP OF STREET SIDE RUNNER AND ITS STOP. THIS ADJUSTMENT WILL PROBABLY HAVE TO BE MADE TWO OR THREE TIMES TO OBTAIN THE 1/2" DIMENSION.
5. WHEN ADJUSTMENT IS CORRECT, LOWER PLATFORM AND TIGHTEN STOP PLATE AND JAM NUT AGAINST ADJUSTING NUT ON BOTH WIRE ROPE FITTINGS.

NOTE!

WITH THIS ADJUSTMENT THE PLATFORM MAY TEND TO RIDE SLIGHTLY OUT OF LEVEL. THIS IS TEMPORARY. AFTER UNIT HAS BEEN IN OPERATION WITH LOADS ON PLATFORM, THIS WILL CORRECT ITSELF.

6. REPLACE ALL COVERS. APPLY A LOAD (APPROXIMATELY 500 LBS) EVENLY DISTRIBUTED ON PLATFORM.
7. CYCLE LOAD UP AND DOWN ABOUT 20 TIMES. THIS WILL SEAT THE WIRE ROPES.
8. ADJUSTMENT IS NOW COMPLETE AND THE UNIT IS READY FOR USE.

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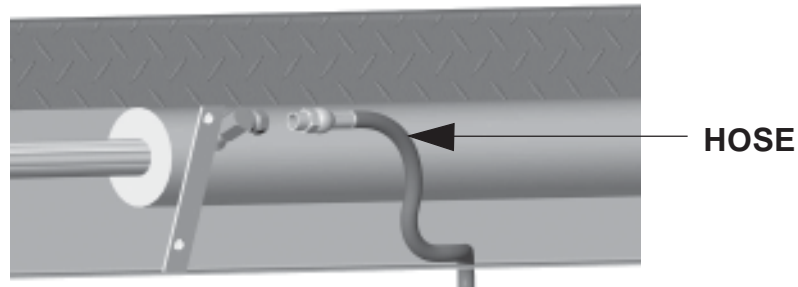
CYLINDER REPLACEMENT

1. LOWER PLATFORM TO GROUND. REMOVE COVER FROM MAIN FRAME ASSEMBLY. REMOVE THE CYLINDER BOLTS FROM THE SHEAVE ANCHOR PLATES. **NOTE!** THESE ARE "SPECIAL BOLTS" NO SUBSTITUTION IS ALLOWED. LOWER THE CYLINDER ONTO THE MAIN FRAME.

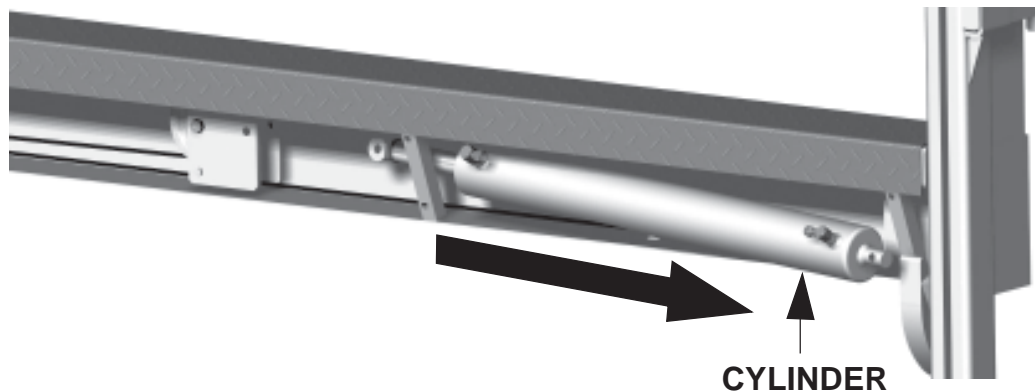


2. USING THE CURB SIDE REMOTE CONTROL MOVE TOGGLE SWITCH TO "RAISE" POSITION TO RETRACT THE CYLINDER SHAFT INTO THE BARREL. RELEASE SWITCH WHEN THE SHAFT IS APPROXIMATELY HALF WAY RETRACTED.

3. REMOVE THE HOSE FROM THE CYLINDER.



4. THE CYLINDER CAN NOW BE REMOVED FROM THE MAIN FRAME ASSEMBLY.



⚠ WARNING

Check that all bolts are tight before operating Liftgate.

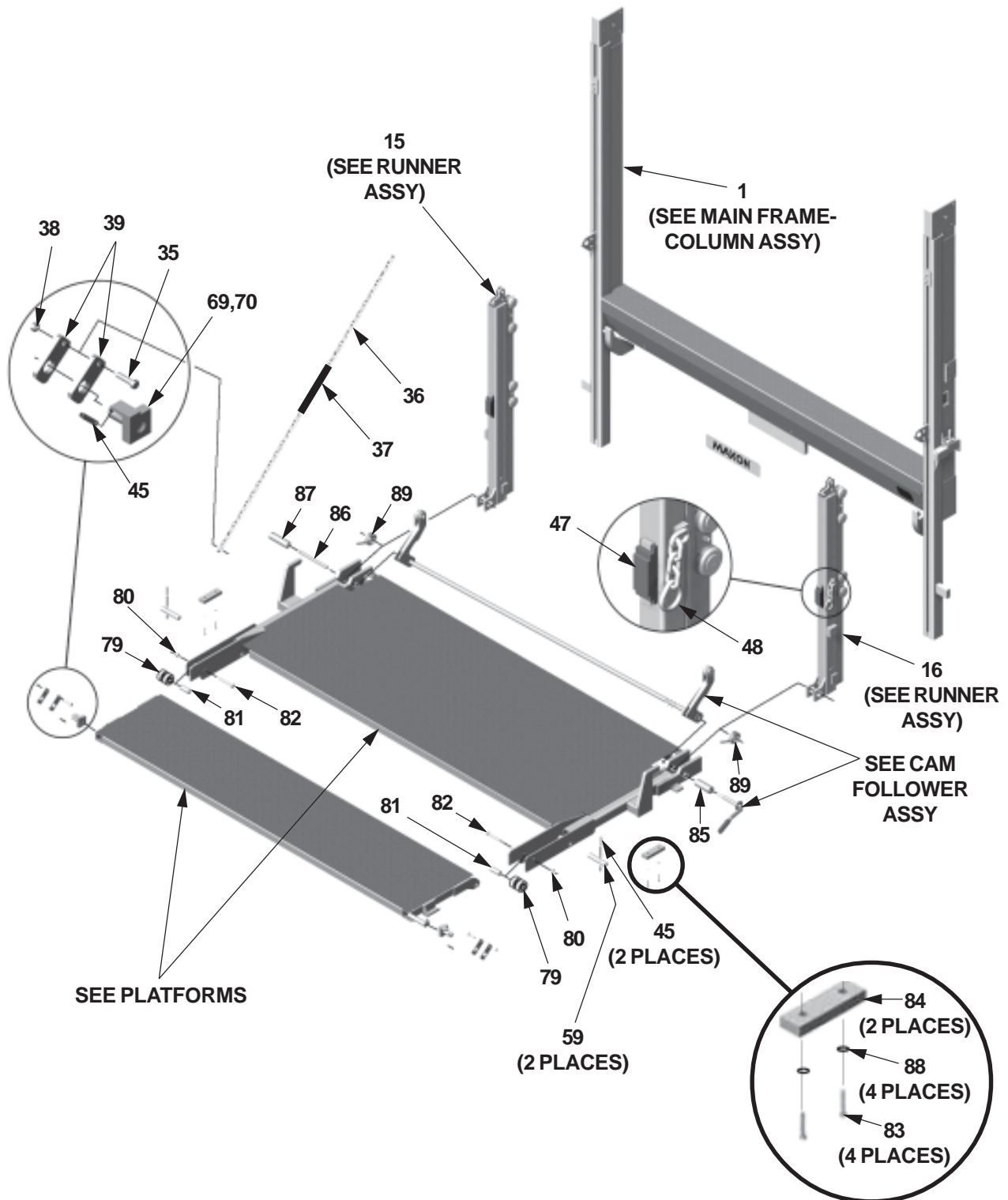
5. Cylinder replacement is the reverse of the removal instructions.

PARTS BREAKDOWN

MAIN ASSEMBLY-1

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ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250908	MAINFRAME COLUMN ASSY,96" WIDE
		250908-04	MAINFRAME COLUMN ASSY,102" WIDE
15	1	251039-01	RUNNER ASSEMBLY, LEFT SIDE
16	1	251039-02	RUNNER ASSEMBLY, RIGHT SIDE
35	4	030041	BOLT, 3/8"-24 UNF x 1-1/2" LG.
36	2	(SEE CHAIN CHART)	CHAIN
37	2	202840	HOSE, CHAIN
38	4	203853	NUT, 3/8"-24 UNF SELF-LOCKING
39	4	202671	RUNNER LINK x 3-3/8"
45	5	221416	ROLL PIN, 3/8" x 2" LG.
47	2	227664	RUBBER BUMPER
48	1	250784	PLATFORM RETAINER (1 PC. PLATFORM)
		252452	PLATFORM RETAINER (2 PC. PLATFORM)
59	2	251859	PIN, FOLDING SECTION
69	1	222210-01	BRACKET, CHAIN ANCHOR
70	1	222210-02	BRACKET, CHAIN ANCHOR
79	2	280594-01	ROLLER, NYLON
80	2	901016-1	LOCK NUT, THIN HEAD, 1/2"-20
81	2	280596-01	BUSHING
82	2	202466	BOLT, 1/2-20 x 3-5/8" LG.
83	4	225279	HEX HEAD SCREW, 1/4"-14 x 1-1/2" LG.
84	2	225278-02	RUBBER BUMPER
85	1	253343	PIN, PLATFORM HINGE
86	1	221905	PIN, CAM FOLLOWER 7-3/4" LG.
87	1	221931	PIN, HINGE 1-1/2" x 4-7/8" LG.
88	4	902013-09	FLAT WASHER, 1/4"
89	2	202527	TORSION SPRING

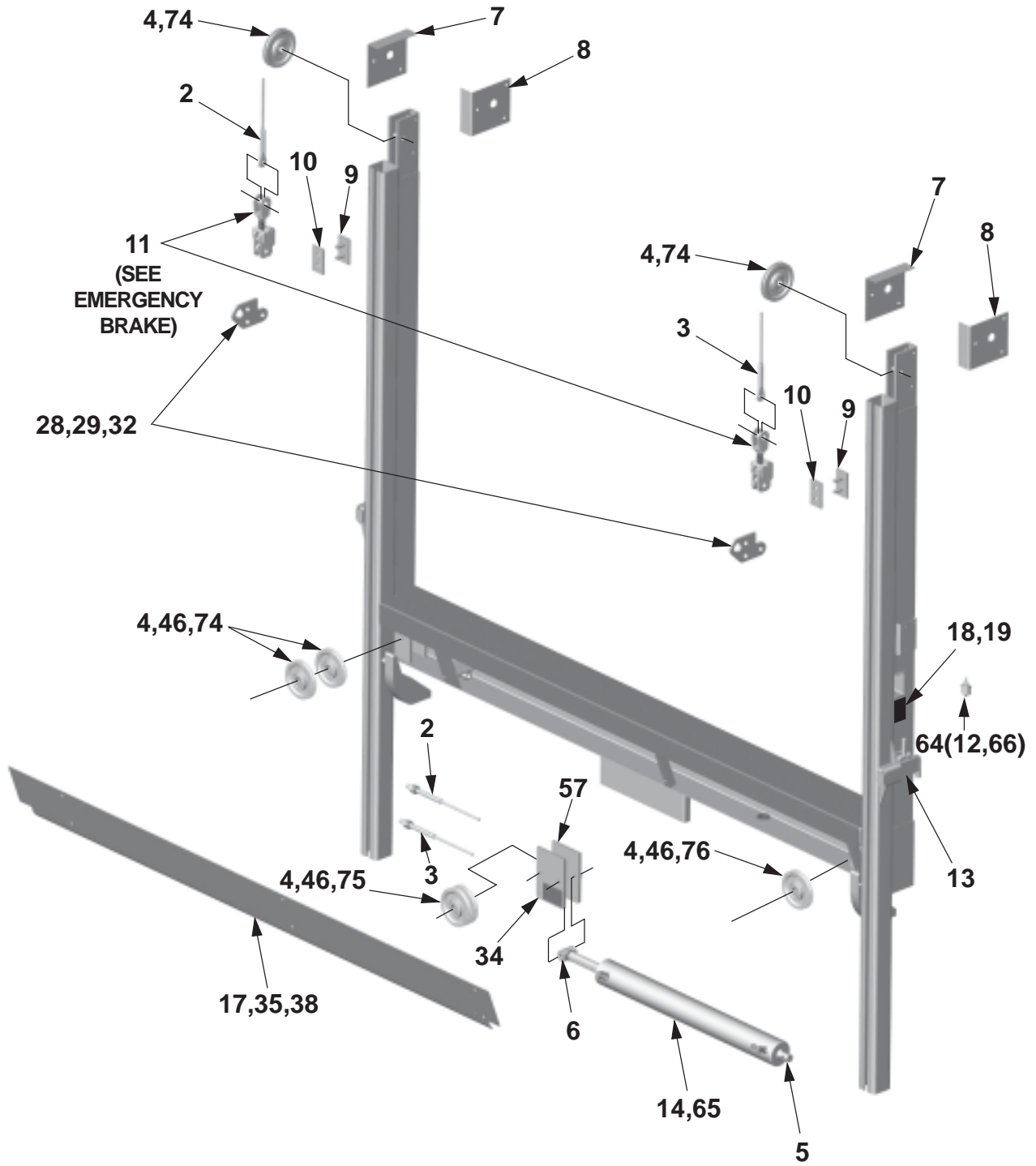
CHAIN CHART

	42" Platform	48" Platform	54" Platform	60" Platform	66" Platform	72" Platform	78" Platform	84" Platform	96" Platform
RC-2B,3B	202698-01 60" Chain	202698-02 64" Chain	202698-03 68" Chain	202698-04 72" Chain	202698-05 77" Chain	202698-06 82" Chain			
RC-4B	202698-07 65" Chain	202698-08 69" Chain	202698-09 73" Chain	202698-05 77" Chain	202698-06 82" Chain	202698-10 86" Chain			
RC-5B				202698-11 84" Chain	202698-12 88" Chain	202698-13 92" Chain	202698-14 97" Chain	202698-15 102" Chain	202698-16 112" Chain
RC-6B							202698-17 104" Chain	202698-18 108" Chain	202698-19 118" Chain

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MAIN FRAME-COLUMN ASSEMBLY-1

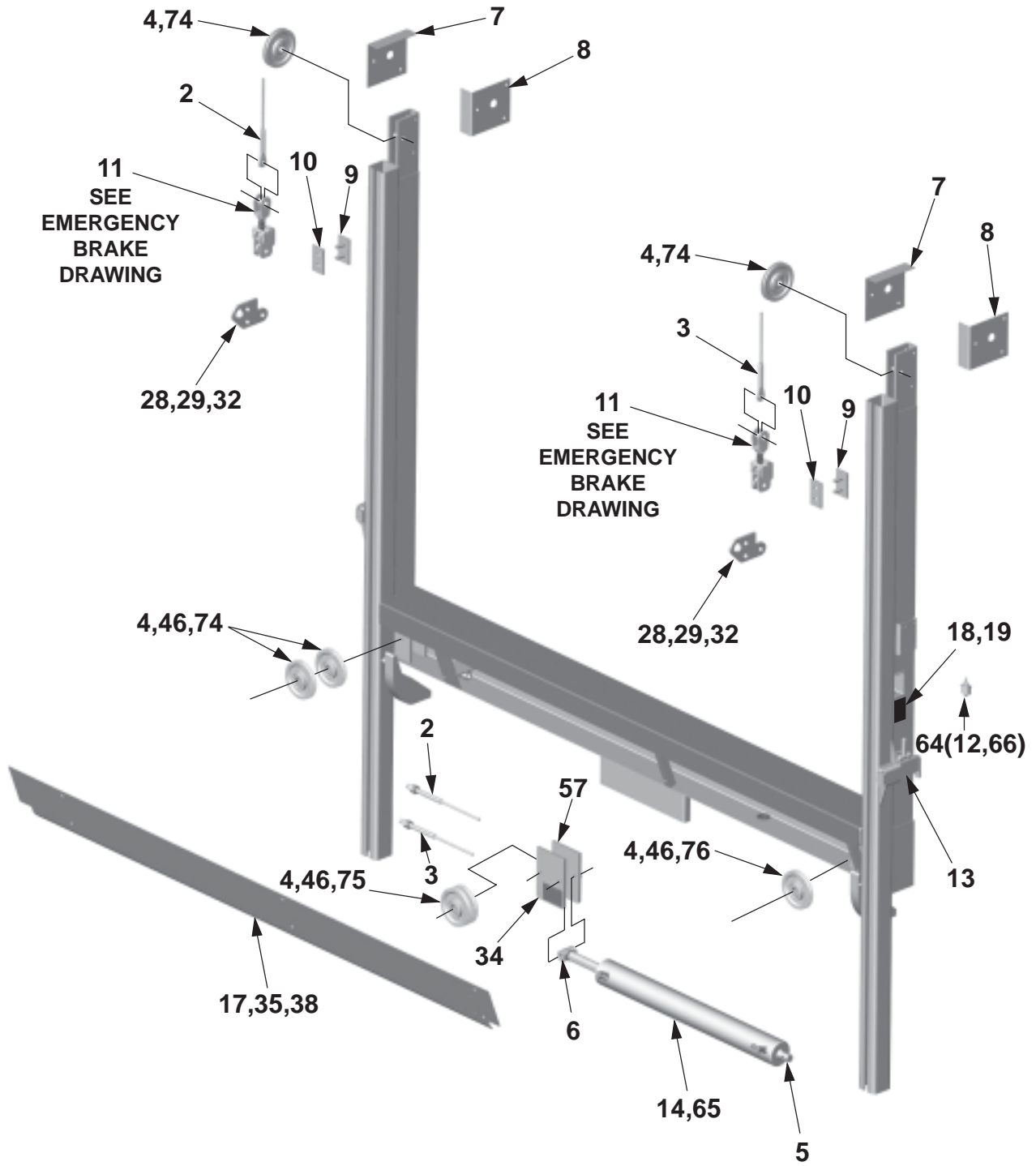
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ITEM	QTY.	PART NO.	DESCRIPTION
2	1	227191-01	WIRE ROPE ASSY. 96" WIDE RC-2B, RC-3B
		227192-01	WIRE ROPE ASSY. 102" WIDE RC-2B, RC-3B
		251588-01	WIRE ROPE ASSY. 96" WIDE RC-4B
		227190-01	WIRE ROPE ASSY. 102" WIDE RC-4B
		252402-01	WIRE ROPE ASSY. 96" WIDE RC-5B, RC-6B
		252403-01	WIRE ROPE ASSY. 102" WIDE RC-5B, RC-6B
		252401-01	WIRE ROPE ASSY. 96" WIDE RC-6K
		252400-01	WIRE ROPE ASSY. 102" WIDE RC-6K
3	1	227191-02	WIRE ROPE ASSY. 96" WIDE RC-2B, RC-3B
		227192-02	WIRE ROPE ASSY. 102" WIDE RC-2B, RC-3B
		251588-02	WIRE ROPE ASSY. 96" WIDE RC-4B
		227190-02	WIRE ROPE ASSY. 102" WIDE RC-4B
		252402-02	WIRE ROPE ASSY. 96" WIDE RC-5B, RC-6B
		252403-02	WIRE ROPE ASSY. 102" WIDE RC-5B, RC-6B
		252401-02	WIRE ROPE ASSY. 96" WIDE RC-6K
		252400-02	WIRE ROPE ASSY. 102" WIDE RC-6K
4	7	253307	SHEAVE ASSY. W/BEARING RC-2B, RC-3B
		253308	SHEAVE ASSY. W/BEARING RC-4B
		253309	SHEAVE ASSY. W/BEARING RC-5B, RC-6B, RC-6K
4a	1	253108	SHEAVE, RC-2B, RC-3B
		253107	SHEAVE, RC-4B
		253106	SHEAVE, RC-5B, RC-6B, RC-6K
4b	1	801412	BEARING
5	1	202465	BOLT, CYLINDER ASSEMBLY, RC-2B, RC-3B, RC-4B
		203237	BOLT, CYLINDER ASSEMBLY, RC-5B, RC-6B, RC-6K
6	1	202466	BOLT, CYLINDER ASSEMBLY, RC-2B, RC-3B
		202978	BOLT, CYLINDER ASSEMBLY, RC-4B
		203236	BOLT, CYLINDER ASSEMBLY, RC-5B, RC-6B, RC-6K
7	2	202619	COVER, UPPER PULLY LH, RC-2B, RC-3B
		202927	COVER, UPPER PULLY LH, RC-4B
		203212	COVER, UPPER PULLY LH, RC-5B, RC-6B, RC-6K
8	2	202777	COVER, UPPER PULLY RH, RC-2B, RC-3B
		202928	COVER, UPPER PULLY RH, RC-4B
		203213	COVER, UPPER PULLY RH, RC-5B, RC-6B, RC-6K

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MAIN FRAME-COLUMN ASSEMBLY-2

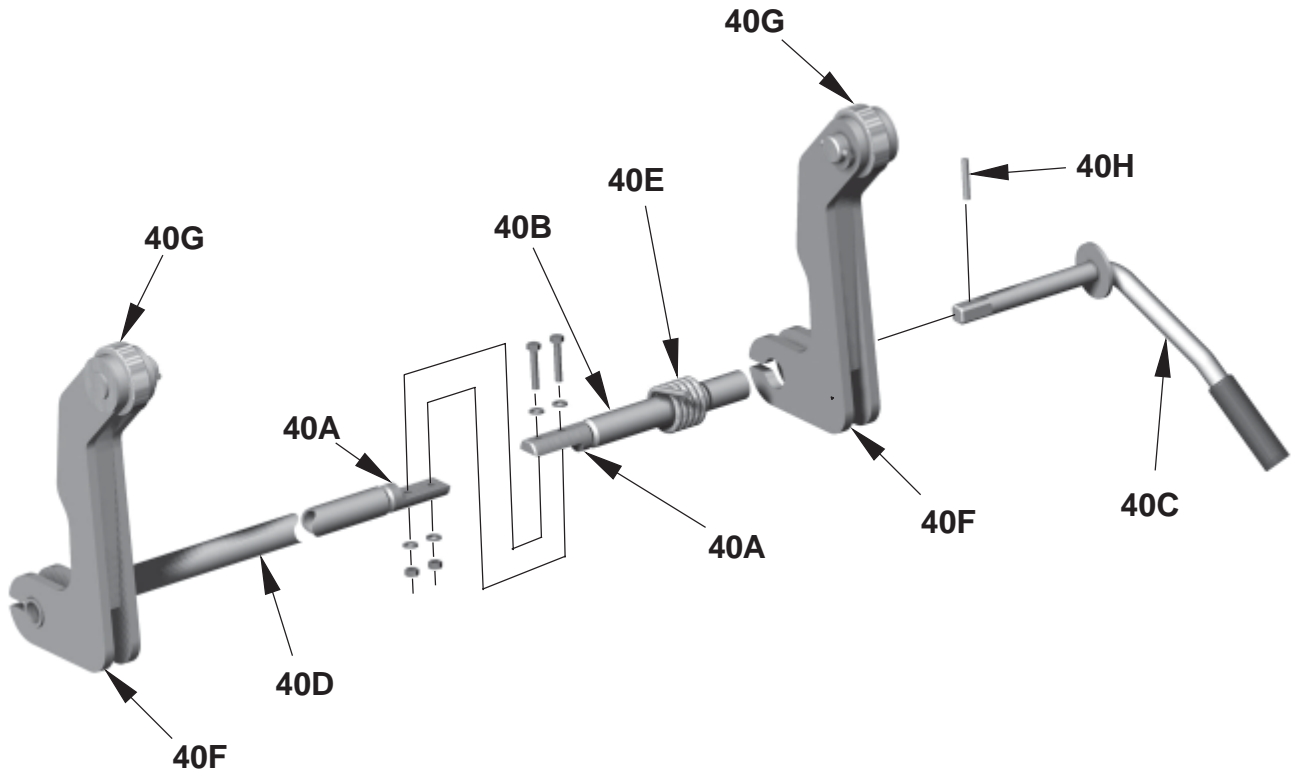


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ITEM	QTY.	PART NO.	DESCRIPTION
9	2	250635	INTERNAL STOP, INNER PLATE
10	2	250634	INTERNAL STOP, OUTER PLATE
11	2	226969	EMERGENCY BRAKE
12	1	226889	SWITCH TOGGLE
13	2	250800	PIN WELDMENT, SAFETY LATCH
14	1	253111	CYLINDER, 3" x 28" RC-2B, RC-3B
		253109	CYLINDER, 3-1/2" x 28" RC-4B
		253110	CYLINDER, 4" x 28" RC-5B, RC-6B, RC-6K
17	1	226202	COVER, MAINFRAME 96" WIDE RC-2B, RC-3B, RC-4B
		226203	COVER, MAINFRAME 102" WIDE RC-2B, RC-3B, RC-4B
		226088	COVER, MAINFRAME 96" WIDE RC-5B, RC-6B, RC-6K
		226089	COVER, MAINFRAME 102" WIDE RC-5B, RC-6B, RC-6K
18	1	250993	DECAL, UP/DOWN OUTSIDE
19	1	250992	DECAL, UP/DOWN INSIDE
28	2	227195	LINK LUG, RUNNER
29	4	030064	BOLT, 5/8-18 UNF x 2" GRADE 5
32	4	030569	LOCKWASHER, 5/8"
34	1	202562	CYLINDER ANCHOR PLATE RC-2B, RC-3B
		202926	CYLINDER ANCHOR PLATE RC-4B
		203210	CYLINDER ANCHOR PLATE RC-5B, RC-6B, RC-6K
35	4	030041	BOLT, 3/8-24 UNF x 1-1/2" LG. GRADE 8
38	4	203853	NUT, 3/8-24 UNF SELF LOCKING
46	2	253460	WASHER, SPACER (RC-2B, RC-3B ONLY)
57	1	252425	ANCHOR PLATE, CYL. ROD END (RC-2B, RC-3B ONLY)
64	1	250916	ELECTRICAL SWITCH ASSEMBLY
65	1	253464	SEAL KIT, HYD. CYLINDER RC-2B, RC-3B
		253465	SEAL KIT, HYD. CYLINDER RC-4B
		253466	SEAL KIT, HYD. CYLINDER RC-5B, RC-6B, RC-6K
66	1	250876	SWITCH SEAL
74	3	253330	BOLT, 1/2-20 UNF x 2-3/4" LG.
75	2	253331	BOLT, 1/2-20 UNF x 3-5/8" LG.
76	1	253333	BOLT, 1/2-20 UNF x 4-3/4" LG.

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CAM FOLLOWER



ITEM	QTY.	PART NUMBER		DESCRIPTION
40		262418		CAM FOLLOWER ASSY. 90" WIDE
			262419	CAM FOLLOWER ASSY. 96" WIDE
			262419-01	CAM FOLLOWER ASSY. 96" WIDE AB
			262420	CAM FOLLOWER ASSY. 102" WIDE
			262420-01	CAM FOLLOWER ASSY. 102" WIDE AB
40A	1	262268		COUPLING ASSEMBLY
40B	1	262267		TUBE ANCHOR WELDMENT
40C	1	262417		HANDLE WELDMENT, CAM FOLLOWER
40D	1		262270	CAM FOLLOWER SHAFT, 96" WIDE
			262270-01	CAM FOLLOWER SHAFT, 102" WIDE
		262270-02		CAM FOLLOWER SHAFT, 90" WIDE
40E	1	217643		TORSION SPRING
40F	2	251231		CAM WELDMENT
40G	2	250844		ROLLER ASSEMBLY
40H	1	030410		ROLL PIN, 1/4" x 1-1/2"

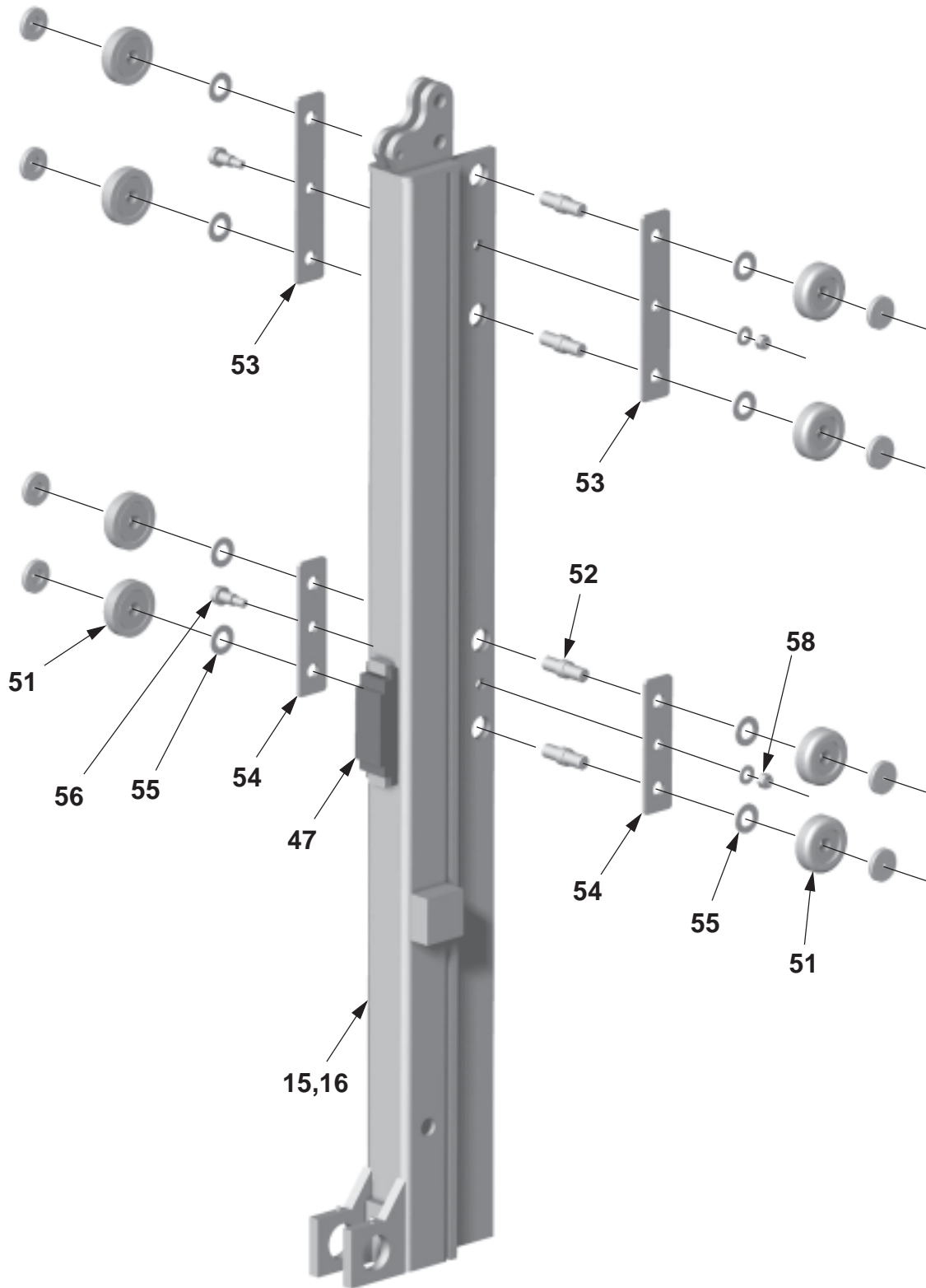
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RUNNER ASSEMBLY

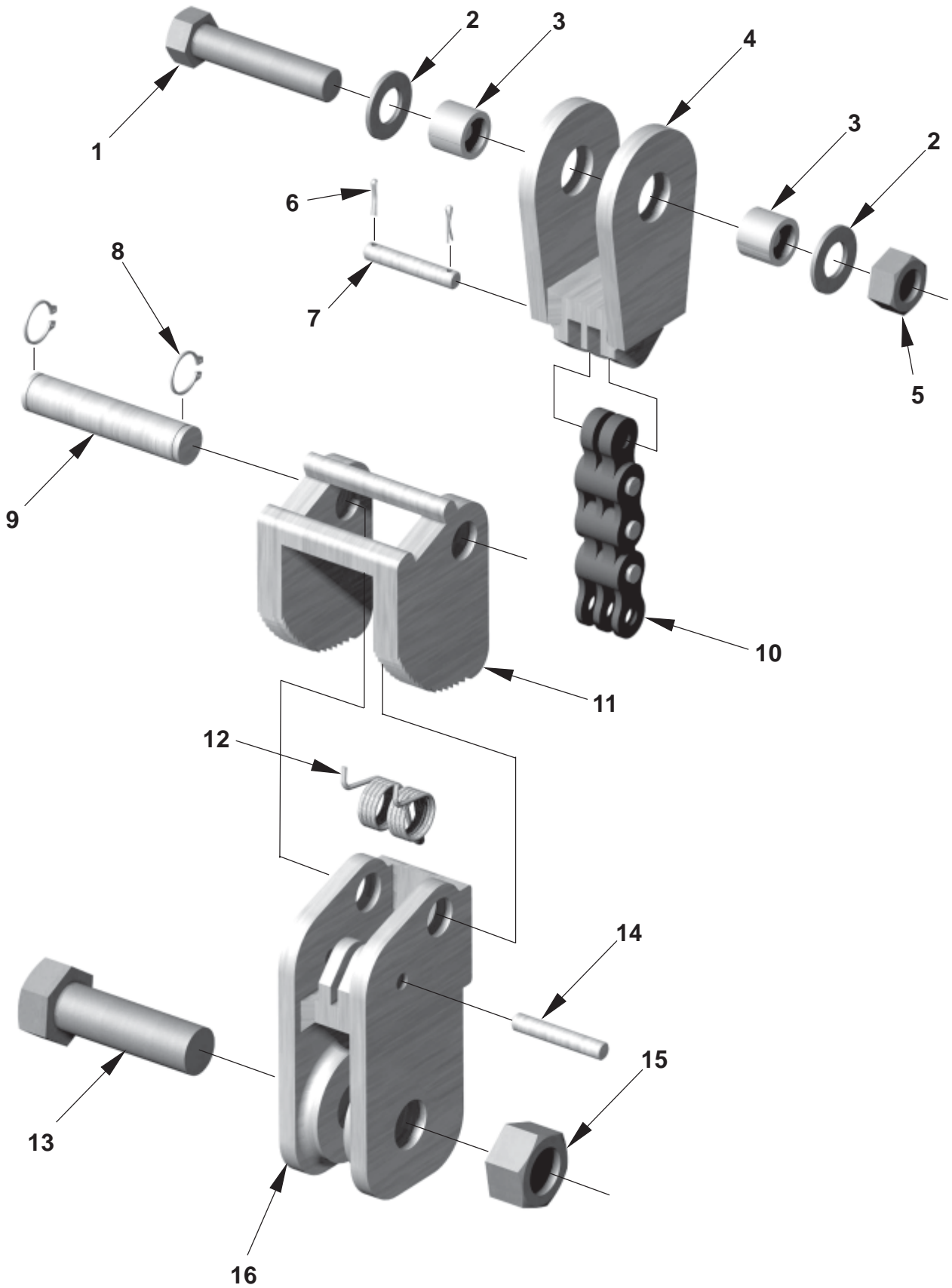
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ITEM	QTY.	PART NO.	DESCRIPTION
15	1	251037-01	RUNNER ASSEMBLY LH RC-2B, RC-3B
		251038-01	RUNNER ASSEMBLY LH RC-4B
		251039-01	RUNNER ASSEMBLY LH RC-5B, RC-6B
		251040-01	RUNNER ASSEMBLY LH RC-6K
16	1	251037-02	RUNNER ASSEMBLY RH RC-2B, RC-3B
		251038-02	RUNNER ASSEMBLY RH RC-4B
		251039-02	RUNNER ASSEMBLY RH RC-5B, RC-6B
		251040-02	RUNNER ASSEMBLY RH RC-6K
47	2	227426	RUBBER BUMPER
51	16	202800	ROLLER BEARING ASSEMBLY
52	8	202796	BALL RACE TANDEM SHAFT
53	4	203002	PLATE, TANDEM SUPPORT, 8" LG. TOP
54	4	227395	PLATE, TANDEM SUPPORT, 8" LG. BOTTOM
55	16	202771	FLAT WASHER
56	4	202797	SHOULDER BOLT

EMERGENCY BRAKE P/N 226969

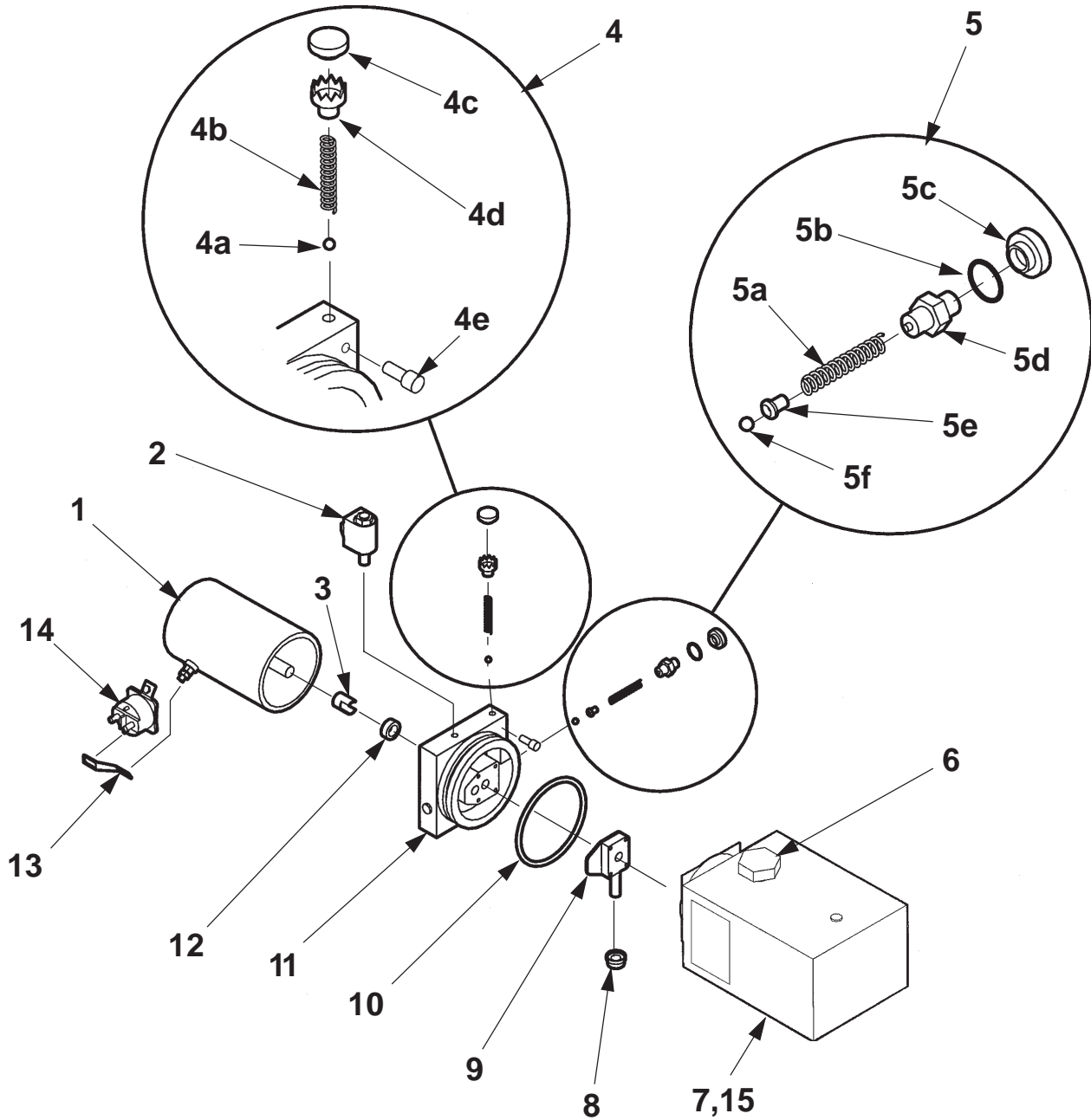
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ITEM	QTY.		PART NUMBER	DESCRIPTION
	RC-2,3	RC-4,5,6		
1	1	N/A	227317	HEX BOLT, 7/16-20 UNF GRD.8 x 2" LG.
2	2		030585	WASHER, FLAT, 7/16"
3	2		227315	ROUND TUBE, 5/8" O.D. x .083W x 1/2" LG.
4	1		226984	BRACKET
5	1	N/A	227316	HEX NUT, 7/16-20 UNF ELASTIC STOP NUT
6	2		226855	COTTER PIN
7	1		226982	PIN, (LEAF CHAIN / BRACKET)
8	2		227008	RETAINING RING
9	1		226979	SHAFT (CAM PIVOT)
10	1		226981-01	LEAF CHAIN
11	1		226975	SNAIL CAM
12	1		226980	TORSION SPRING
13	1	2	030064	HEX BOLT, 5/8-18 UNF GRD.5 x 2" LG.
14	1		226978	PIN (ANCHOR PLATE / LEAF CHAIN)
15	1	2	226940	HEX NUT, 5/8-18 UNF ELASTIC STOP NUT
16	1		226970	ANCHOR PLATE

PUMP, CAM CLOSER
P/N 253171

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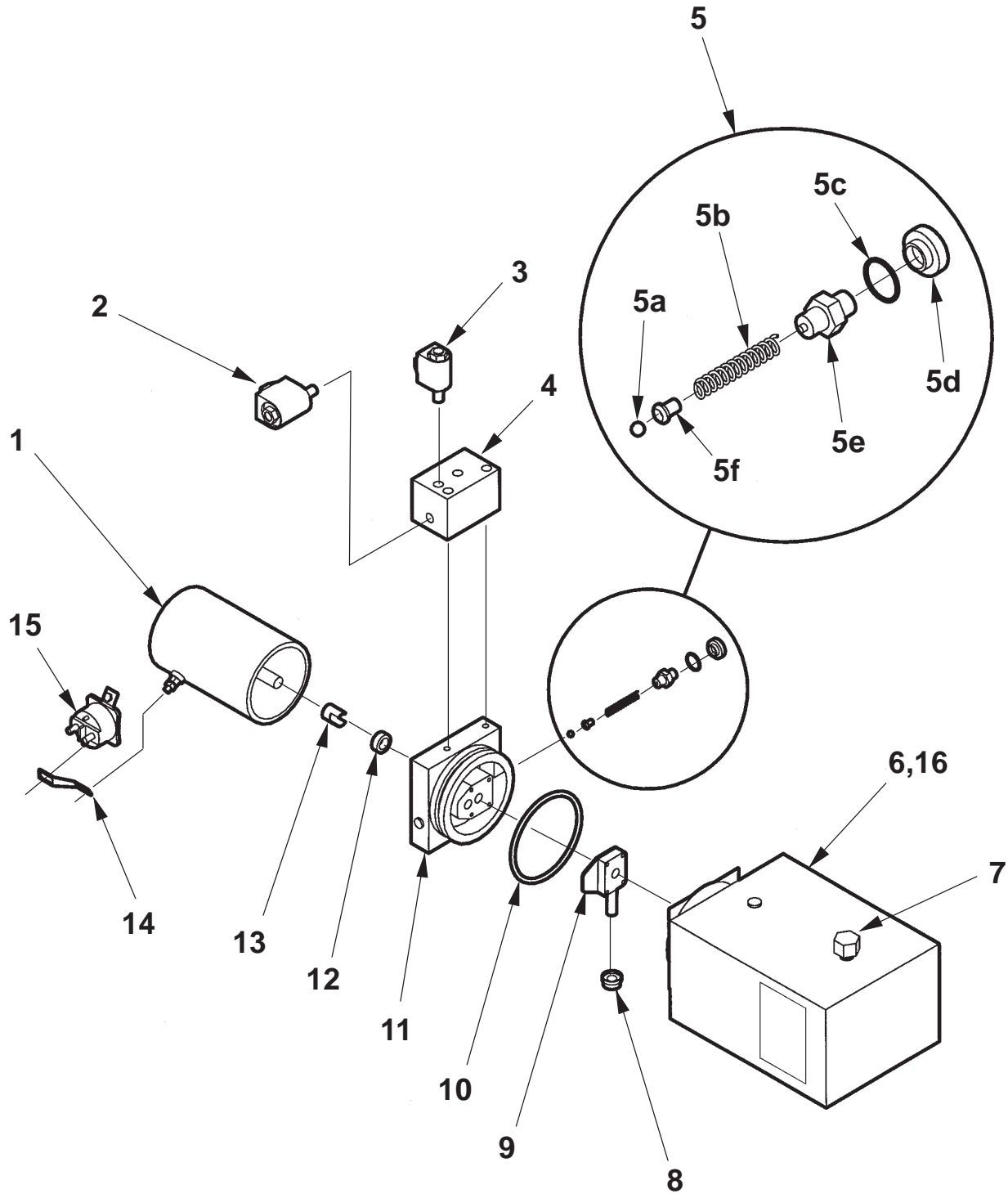


ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	250093	MOTOR, HEAVY DUTY 12 VOLTS DC
2	1	253353	VALVE, SOLENOID 2-WAY
*2a	1	226594	O-RING KIT, 2-WAY VALVE
3	1	229200	COUPLING
4	1	251885	CHECK VALVE KIT
4a	1	260257	STEEL BALL
4b	1	260254	SPRING
4c	1	260258	PLUG
4d	1	260255	RETAINER
4e	1	260256	SOCKET HEAD CAPSCREW
5	1	260229	RELIEF VALVE KIT
5a	1	260231	SPRING
5b	1	260235	O-RING
5c	1	260234	VALVE CAP
5d	1	260232	ADJUSTING SCREW
5e	1	260233	SPRING GUIDE
5f	1	260230	STEEL BALL
6	1	260847	FILLER/BREATHING CAP
7	1	251882	RESERVOIR, 3 QT.
8	1	260250	FILTER
9	1	260236	PUMP ASSEMBLY
10	1	251884	O-RING
11	1	260252	DRIVEPLATE ASSEMBLY 5"
12	1	260261	OIL SEAL
13	1	262966	BUS BAR
14	1	262939	SOLENOID SWITCH
*15	4	229202	CAPSCREW, HEX. WASHER HD.

PUMP, HYDRAULIC CLOSER

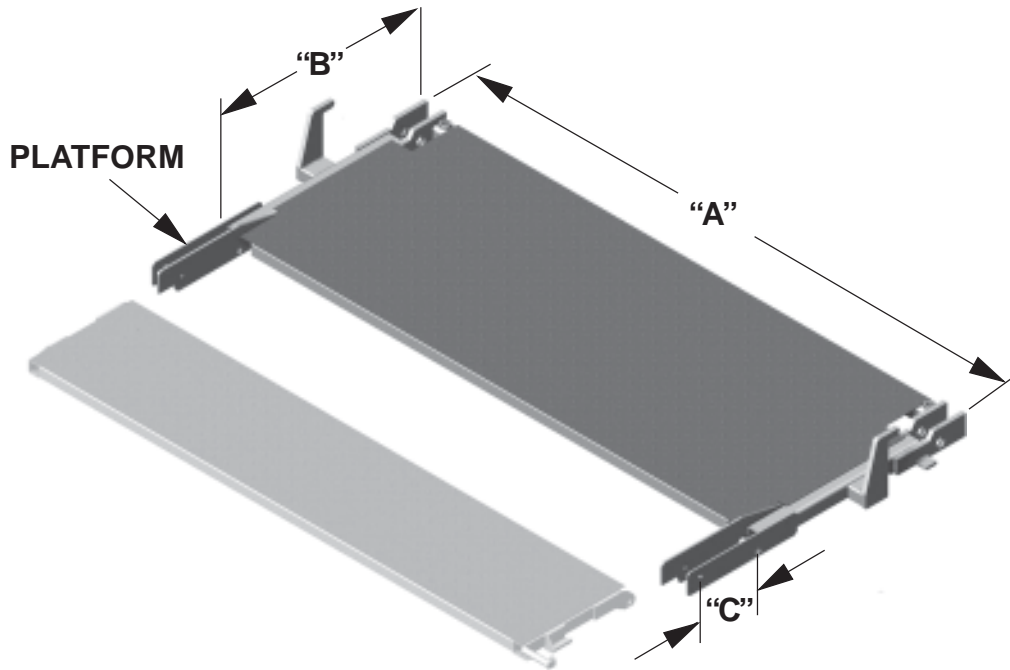
P/N 262256

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ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250093	HEAVY DUTY MOTOR, 12 VDC
2	1	260276	VALVE, SOLENOID 4-WAY
*2a	1	226595	O-RING KIT, 4-WAY VALVE
3	1	253353	VALVE, SOLENOID 2-WAY
*3a	1	226594	O-RING KIT, 2-WAY VALVE
4	1	260275	MANIFOLD BLOCK ASSEMBLY
5	1	260229	RELIEF VALVE KIT
5a	1	260230	STEEL BALL
5b	1	260231	SPRING
5c	1	260235	O-RING
5d	1	260234	VALVE CAP
5e	1	260232	ADJUSTING SCREW
5f	1	260233	SPRING GUIDE
6	1	261106	RESERVOIR, 2.5 GAL. W/.75 BREATHER
7	1	260847	FILLER/BREATHER CAP
8	1	260250	FILTER
9	1	260236	PUMP ASSEMBLY
10	1	251884	O-RING
11	1	260274	DRIVEPLATE ASSEMBLY, 5"
12	1	260261	OIL SEAL
13	1	229200	COUPLING
14	1	262966	BUS BAR
15	1	262939	SOLENOID SWITCH
*16	4	229202	CAPSCREW, HEX HD. WASHER

PLATFORMS



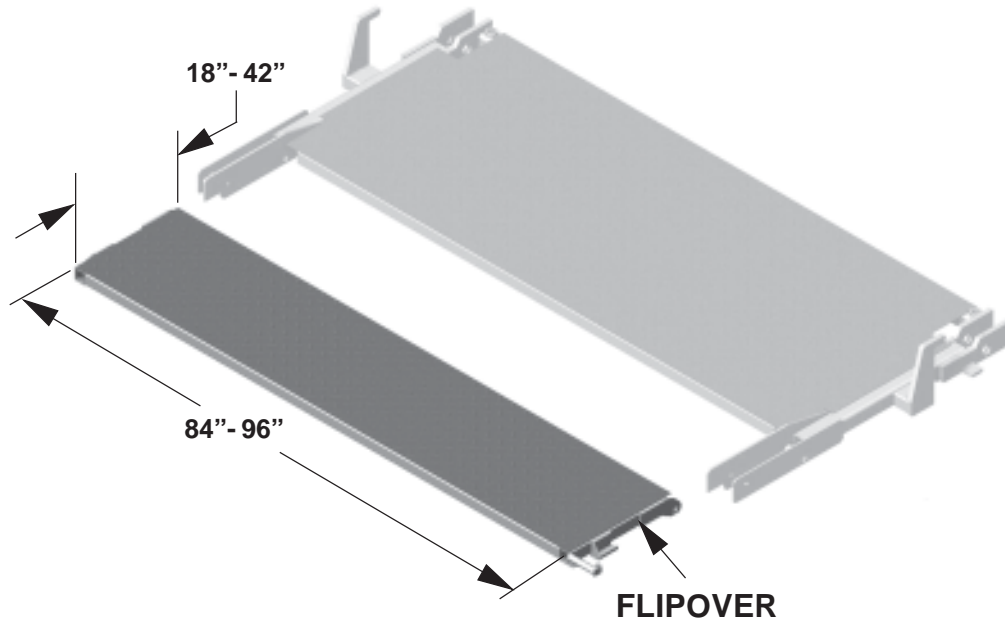
RC-2B, RC-3B, RC-4B

MODEL	96" WIDE VEHICLE	96" WIDE VEHICLE (W/36" + F/S)	96" WIDE VEHICLE	96" WIDE VEHICLE (W/36" + F/S)
PART NO.	229330-01	229330-02	229330-03	229330-04
DIM. "A"	95-3/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"
MODEL	102" WIDE VEHICLE	102" WIDE VEHICLE (W/36" + F/S)	102" WIDE VEHICLE	102" WIDE VEHICLE (W/36" + F/S)
PART NO.	229330-05	229330-06	229330-07	229330-08
DIM. "A"	101-3/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"
MODEL	90" WIDE VEHICLE	90" WIDE VEHICLE (W/36" + F/S)	90" WIDE VEHICLE	90" WIDE VEHICLE (W/36" + F/S)
PART NO.	229330-09	229330-10	229330-11	229330-12
DIM. "A"	88-5/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"

RC-5B, RC-6B, RC-6K

MODEL	96" WIDE VEHICLE	96" WIDE VEHICLE (W/36" + F/S)	96" WIDE VEHICLE	96" WIDE VEHICLE (W/36" + F/S)
PART NO.	229331-01	229331-02	229331-03	229331-04
DIM. "A"	95-3/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"
MODEL	102" WIDE VEHICLE	102" WIDE VEHICLE (W/36" + F/S)	102" WIDE VEHICLE	102" WIDE VEHICLE (W/36" + F/S)
PART NO.	229331-05	229331-06	229331-07	229331-08
DIM. "A"	101-3/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"
MODEL	90" WIDE VEHICLE	90" WIDE VEHICLE (W/36" + F/S)	90" WIDE VEHICLE	90" WIDE VEHICLE (W/36" + F/S)
PART NO.	229331-09	229331-10	229331-11	229331-12
DIM. "A"	88-5/8"			
DIM. "B"	36"		42"	
DIM. "C"	10"	14"	10"	14"

FLIPOVERS



RC-2B, RC-3B, RC-4B

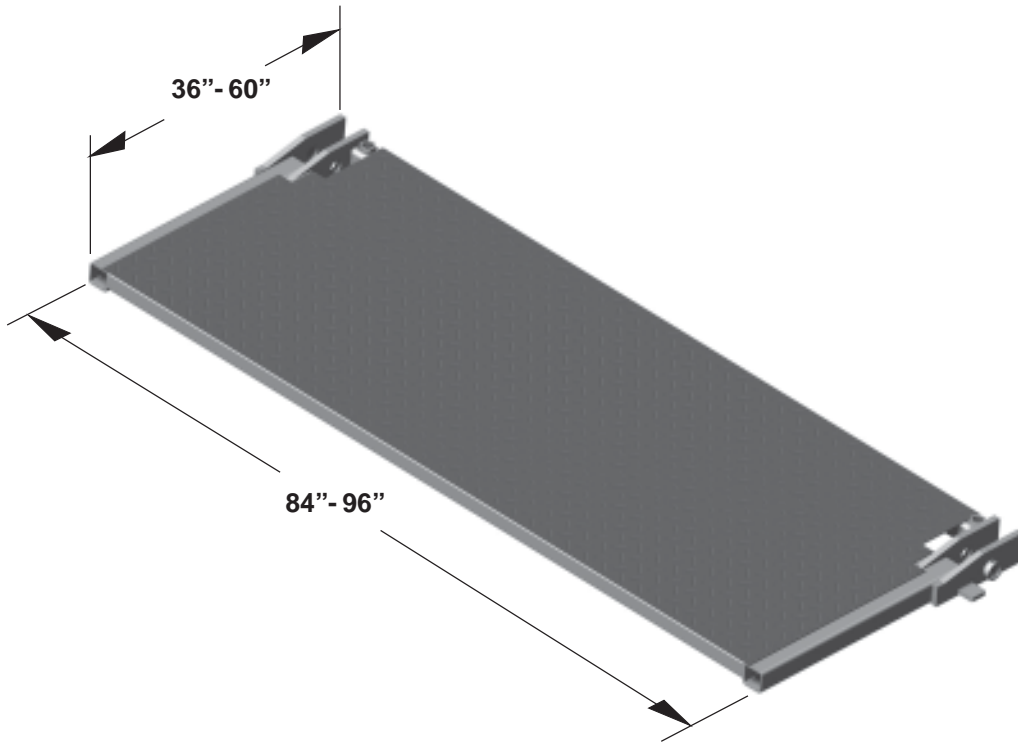
96" WIDE VEHICLE		102" WIDE VEHICLE		90" WIDE VEHICLE	
FOLDOVER SIZE	PART NO.	FOLDOVER SIZE	PART NO.	FOLDOVER SIZE	PART NO.
90" x 18"	229334-01	96" x 18"	229334-06	84" x 18"	229334-11
90" x 24"	229334-02	96" x 24"	229334-07	84" x 24"	229334-12
90" x 30"	229334-03	96" x 30"	229334-08	84" x 30"	229334-13
90" x 36"	229334-04	96" x 36"	229334-09	84" x 36"	229334-14
90" x 42"	229334-05	96" x 42"	229334-10	84" x 42"	229334-15

RC-5B, RC-6B, RC-6K

96" WIDE VEHICLE		102" WIDE VEHICLE		90" WIDE VEHICLE	
FOLDOVER SIZE	PART NO.	FOLDOVER SIZE	PART NO.	FOLDOVER SIZE	PART NO.
90" x 18"	229335-01	96" x 18"	229335-06	84" x 18"	229335-11
90" x 24"	229335-02	96" x 24"	229335-07	84" x 24"	229335-12
90" x 30"	229335-03	96" x 30"	229335-08	84" x 30"	229335-13
90" x 36"	229335-04	96" x 36"	229335-09	84" x 36"	229335-14
90" x 42"	229335-05	96" x 42"	229335-10	84" x 42"	229335-15

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ONE-PIECE PLATFORMS (CAM TYPE CLOSER)



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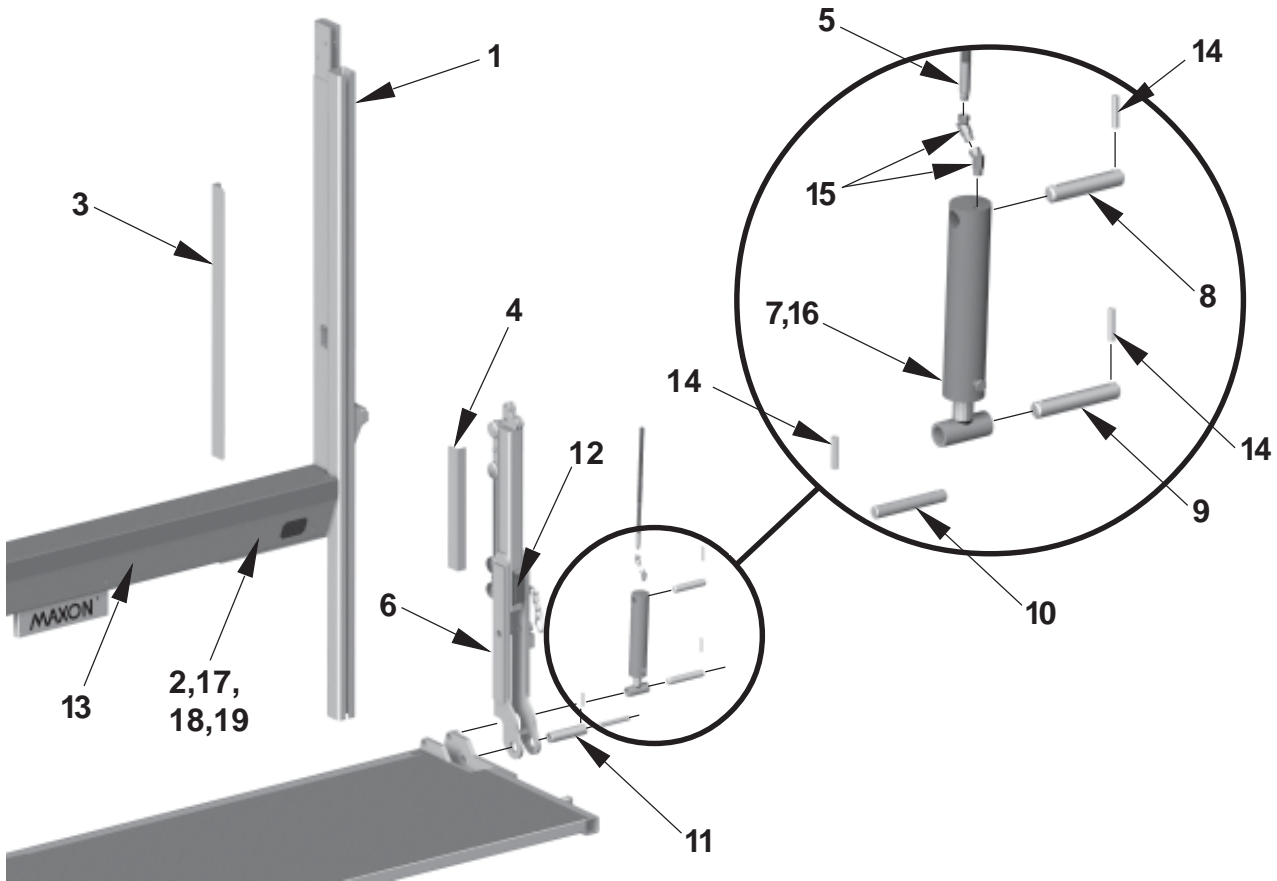
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96" WIDE VEHICLE		102" WIDE VEHICLE		90" WIDE VEHICLE	
PLATFORM SIZE	PART NO.	PLATFORM SIZE	PART NO.	PLATFORM SIZE	PART NO.
90" x 36"	229336-01	96" x 36"	229336-05	84" x 36"	229336-09
90" x 42"	229336-02	96" x 42"	229336-06	84" x 42"	229336-10
90" x 48"	229336-03	96" x 48"	229336-07	84" x 48"	229336-11
90" x 60"	229336-04	96" x 60"	229336-08	84" x 60"	229336-12

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RC/RCT HYDRAULIC CLOSER COMPONENTS

NOTE: ALL OTHER PARTS NOT SHOWN ARE STANDARD RC COMPONENTS



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	250912-01	MAIN FRAME COLUMN ASSEMBLY 96" WIDE RC-2B, RC-3B
		250912-06	MAIN FRAME COLUMN ASSEMBLY 102" WIDE RC-2B, RC-3B
		250914-01	MAIN FRAME COLUMN ASSEMBLY 96" WIDE RC-4B
		250914-05	MAIN FRAME COLUMN ASSEMBLY 102" WIDE RC-4B
		250908-01	MAIN FRAME COLUMN ASSEMBLY 96" WIDE RC-5B, RC-6B
		250908-05	MAIN FRAME COLUMN ASSEMBLY 102" WIDE RC-5B, RC-6B
2	1	253038	CHANNEL REMOTE CONTROL
3	1	227369	GUIDE, HOSE, MAINFRAME
4	1	227370-01	GUIDE, HOSE, RUNNER RC-2B, RC-3B
		227370-02	GUIDE, HOSE, RUNNER RC-4B
		227370-03	GUIDE, HOSE, RUNNER RC-5B, RC-6B

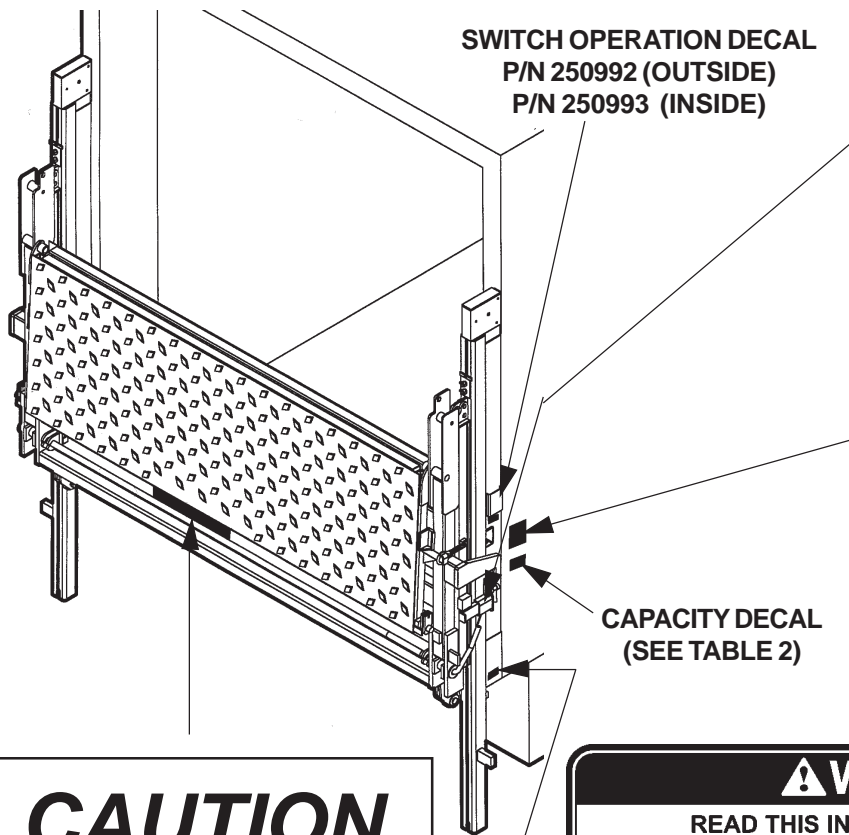
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ITEM	QTY.	PART NO.	DESCRIPTION
5	1	800235-32	HOSE ASSEMBLY, 120" LONG
6	1	227334	RUNNER ASSEMBLY, RIGHT SIDE RC-2B, RC-3B
		227339	RUNNER ASSEMBLY, RIGHT SIDE RC-4B
		227342	RUNNER ASSEMBLY, RIGHT SIDE RC-5B, RC-6B
7	1	222214	CYLINDER, 2" X 8"
8	1	073505	PIN, CYLINDER, UPPER, 5-1/4" LONG
9	2	070165	PIN, CYLINDER, LOWER, 6" LONG
10	1	221905-01	PIN, 5-1/8" LONG
11	1	222328	PIN, HINGE, 6" LONG
12	1	227664	RUBBER BUMPER
13	1	226201	COVER, MAINFRAME 96" WIDE RC-2B, RC-3B, RC-4B
		226200	COVER, MAINFRAME 102" WIDE RC-2B, RC-3B, RC-4B
		226458	COVER, MAINFRAME 96" WIDE RC-5B, RC-6B
		226460	COVER, MAINFRAME 102" WIDE RC-5B, RC-6B
14	5	221416	ROLL PIN, 3/8" X 2" LONG
15	2	227381	SWIVEL ELBOW, 45, 1/4" F X 1/4" M
16	1	226568	SEAL KIT, HYDRAULIC CYLINDER, 2 X 8
17	1	250878	SWITCH MOUNTING PLATE
18	1	250994	DECAL P/F CLOSER
19	2	252427	ELECT. SWITCH & HARNESS
20	1	253038	CHANNEL REMOTE CONTROL

MAXON[®] 11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713

DECALS

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SWITCH OPERATION DECAL
P/N 250992 (OUTSIDE)
P/N 250993 (INSIDE)

CAUTION

Prevent damage. Stow Liftgate under hydraulic pressure. Push slide bar under stop, but never rest stop on slide bar.

P/N 265332-01

CAUTION DECAL
P/N 265332-01

CAPACITY DECAL
(SEE TABLE 2)

CAUTION

STAND CLEAR
WHEN OPERATING

50092

STAND CLEAR DECAL
P/N 050092

PLATFORM CLOSER DECAL
(ONLY LIFTGATES EQUIPPED
WITH HYDRAULIC CLOSER)
P/N 250994

⚠ WARNING

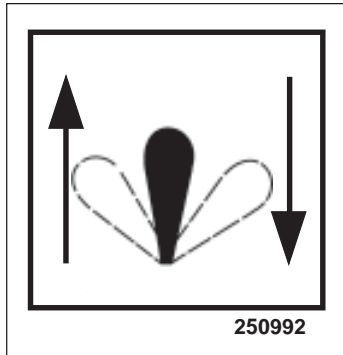
READ THIS INFORMATION CAREFULLY

- Improper operation of this Lift can result in serious personal injury. Do not operate unless you have been properly instructed and have read, and are familiar with the operating instructions. If you do not have a copy of the instructions, please obtain them from your employer, distributor, or lessor, before you attempt to operate Lift.
- Be certain that the vehicle is properly and securely braked before using the Lift.
- Always inspect this Lift for maintenance or damage before using it. If there are signs of improper maintenance, damage to vital parts, or slippery Platform surface, do not use the Lift until these problems have been corrected.
- Do not overload the Lift. The load limit is based on evenly distributed cargo over the entire Platform surface. If you are using a pallet jack, be sure it can be maneuvered safely. Do not operate a forklift on the Platform or travel with the platform in an open position at any time.
- Load should be placed in a stable position close to the edge of the Platform nearest the truck. The heaviest portion of the load should never be placed beyond the center of the Platform away from the truck.
- Never allow yourself, a helper, or bystander to stand in a position where a falling load could land on either of you. Also do not allow any part of yours or your helper's body to be placed under, within, or around any portion of the moving liftgate, or its mechanisms, or in a position that would trap them between the platform and the ground or truck when the liftgate is operated.
- If a helper is riding the Platform with you, make sure you are both doing so safely and that you are not in danger of coming in contact with any moving or potentially moving obstacles. **USE GOOD COMMON SENSE.** If load appears to be unsafe, do not lift or lower it.

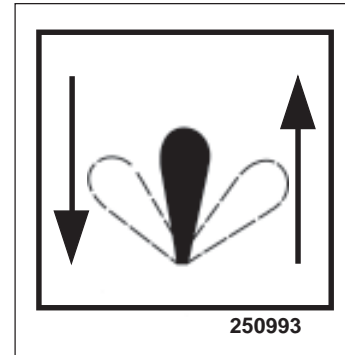
For a free copy of other manuals that pertain to this model Liftgate, please visit our website at www.maxonlift.com or call **Customer Service at (800) 227- 4116.**

MAXON LIFT CORP.
PART NO. 264081

WARNING DECAL
P/N 264081



**SWITCH OPERATION DECAL
(OUTSIDE)
P/N 250992**



**SWITCH OPERATION DECAL
(INSIDE)
P/N 250993**

THE MAXIMUM CAPACITY
OF THIS LIFT IS

POUNDS

WHEN THE LOAD IS
CENTERED ON PLATFORM

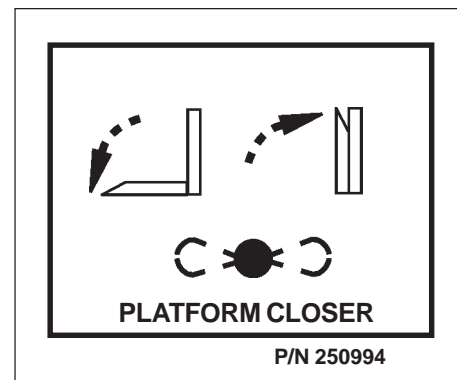
CAPACITY DECAL (SEE TABLE 2)

CAPACITY DECALS	
CAPACITY	PART NO.
2000 LBS.	220387
3000 LBS.	220388
4000 LBS.	220389
5000 LBS.	220390
6000 LBS.	220391

TABLE 2

<p>GRAVITY DOWN FILL LINE NOTE: PLATFORM MUST BE OPEN AND ON THE GROUND FOR PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE APPROX. 1" FROM TOP OF THE RESERVOIR.)</p>	<p>OIL SPECS. TEMP. 70°F - 140°F</p> <p>ISO-32</p>
	<p>TEMP. 40°F - 105°F</p> <p>ISO-15</p>
	<p>TEMP. BELOW 70°F</p> <p>ISO-10 OR MIL-H-5606</p>
<p>POWER DOWN FILL LINE NOTE: PLATFORM MUST BE IN THE "UP" POSITION FOR A PROPER FLUID LEVEL CHECK. (FLUID SHOULD BE LEVEL WITH THE MIDDLE OF THE RESERVOIR.)</p> <p style="text-align: right;"><small>P/N 261740</small></p>	

**HYDRAULIC FLUID FILL DECAL
(SEE "CHANGING HYDRAULIC FLUID")
P/N 261740**



**PLATFORM CLOSER DECAL
(ONLY LIFTGATES EQUIPPED
WITH HYDRAULIC CLOSER)
P/N 250994**

