

**9000# MATERIAL LIST**

**MAIN ASSEMBLY**

<b><u>Item No.</u></b>	<b><u>Quantity</u></b>	<b><u>Description</u></b>
101	2	Crossmember
114	2	3/8" Round Safety Rod
119	1	3/8" Square Bar "Long" Safety Rod
120	1	3/8" Square Bar "Short" Safety Rod
201	1	Left Front Leg (w/pump mounting stand)
202	1	Right Front Leg
203	1	Left Rear Leg
204	1	Right Rear Leg
301	1	Ramp - Lift Cylinder
302	1	Ramp - Non-Cylinder
306	4	Wheel Stop Retainer Plate
316	2	Approach Ramp
317	4	Wheel Stop

**POWER UNIT BOX**

<b><u>Item No.</u></b>	<b><u>Quantity</u></b>	<b><u>Description</u></b>
309	1	Hydraulic Power Unit
313	1	Hydraulic Hose
314	1	Female Quick Disconnect
315	1	Male Quick Disconnect

**LARGE HARDWARE BOX**

<b><u>Item No.</u></b>	<b><u>Quantity</u></b>	<b><u>Description</u></b>
109	4	Notched Nylon Slider
110	12	Regular Nylon Slider
121	1	3/8" Square Collar Sleeve
127	4	Pulley Cover
205	4	Top Cap

## SMALL HARDWARE BOX

102	4	1" x 6 3/4" Round Pulley Shaft
103	4	Lock Dog
104	4	4" Pulley
105	8	1" Set Screw Collar
105A	8	3/4" Set Screw Collar
106	2	5/16"-18 x 5" Eye Bolt
107	6	5/16" Lock Washer
108	8	5/16"-18 Hex Nut
111	8	Nylon Retainer Clip
112	8	1W'-20 x 1/2" Hex Head Bolt
113	8	1/4" Flat Washer
115	8	3/8"-24 Heim End
116	12	3/8"-24 Hex Nut (4 already On Safety Rod)
117	10	Spring
123	1	Ball Handle
125	2	3/8" x 6 1/2" All Thread
128	18	1/8" x 1/2" Self-Tapping Screw (16 Req'd)
130	4	Secondary Lock Dog
131	4	3/4" x 4" Round Shaft
132	4	1 1/4" Dia. Pulley
133	4	3/8"-16 x 5" Hex Head Bolt
134	4	3/8" Flat Washer
135	8	3/8"-16 Jam Nut (Thinner Than Normal Nut)
137	4	3/8" Lock Washer
206	4	3/4" Flat Washer
207	4	3/4"-16 Lock Nut
303	8	3/4"-10 x 4 1/2" Hex Head Bolt
304	8	3/4" Flat Washer
305	8	3/4"-10 Jam Nut (Thinner Than Normal Nut)
307	8	3/4" Lock Washer
308	8	3/4"-10 Hex Nut
310	4	5/16"-18 x 1" Hex Head Bolt
350	8	1" Snap Ring
350A	8	3/4" Snap Ring

**TOOLS AND MATERIALS NEEDED**

7/16" Wrench	3/4" Socket & Ratchet
1/2 "Wrench	Wire Cutters
9/16" Wrench	Saw Horses
5/8" Wrench	Pliers
11/16" Wrench	Hammer
3/4" Wrench	Grease
Crescent Wrench	Teflon Tape
5/32" Allen Head Tool	3 Gallons – Hydraulic Oil
Snap Ring Pliers	Engine Hoist

**1) Read Instructions and study the illustrations carefully and completely before beginning assembly of your new Steel Valley Lift 9000#**

- Familiarize yourself with the lift’s assembly diagram (Illustration #1)
- Layout hardware & sort for assembly. (verify all parts needed)
- Lifts must be at least 4 feet from wall, to install “short square bar” safety lock rod (item #120) on front of lift.

**2) Install hardware on crossmembers. Both crossmembers are assembled the same. Illustration #2 Note: Secondary lock dogs will be installed after crossmember ramps are assembled.**

**Parts Needed:**

<u>Item No.</u>	<u>QTY</u>	<u>Description</u>
101	2	Crossmember
102	4	1" x 6 3/4" Round Pully Shaft
103	4	Lock Dog
104	4	4" Pulley
105	8	1" Set Screw Collar
105A	8	3/4" Set Screw Collar
106	2	5/16" x 5" Eye Bolt
107	2	5/16" Lock Washer
108	4	5/16" Hex Nut
350	8	1" Snap Ring

**Tools/Materials Needed:** 5/32" Allen Head Tool Grease 1/2" Wrench Snap Ring Pliers

- A. (Illustration #2) Select two (2) crossmembers (item #101). Insert one 1"x6 3/4" round pulley shaft (item #102) through each end of crossmember where the 1" collars are welded on.  
**Note: Be sure the end of the shaft with the Zerk fitting hole is on the pulley guard side of crossmember.**
- B. Slide one pulley (item #104) onto pulley guard side of each pulley shaft. (Note: **Apply grease** to the bushing in the center of each pulley before sliding it onto pulley shaft & re-grease once a month there after). **All moving parts need to be lubricated periodically.**
- C. Install one safety lock dog (item #103) onto each pulley shaft (opposite side of pulley guard).
- D. Next take the eight (8) 1" collars (item #105) and place one on each side of the pulley shaft to retain lock dogs and pulleys. After lock dogs, pulleys & collars are installed, adjust pulley shafts so that they are evenly spaced through the crossmembers and hardware. Tighten the 1" collars (inner) welded to the crossmember with a 5/32" Allen head tool. Now tighten outer collars making sure that the pulleys and safety lock dogs rotate freely on the pulley shaft. If there is any binding re-adjust outer 1" collars. Install snap ring, ensuring it is seated in ring groove. Install Zerk fitting into pulley end of shaft. **Do not overtighten!**  
Grease assembly.
- E. Take 5/16" nut (item #108) and fully thread it onto the 5/16"x 5" eyebolt (item #106). Next insert eyebolt, from the outside (lock dog side) of crossmember, thru the 5/16" hole drilled in the center.
- F. Install 5/16" lock washer (item #107) and 5/16" hex nut (item #108), align eyebolt vertically and tighten the nut with a 1/2" wrench.

### 3) Install Crossmember onto the two front legs (illustrations #1, #3, & #5)

**Parts Needed:**

<u>Item NO.</u>	<u>Qty</u>	<u>Description</u>
101	1	Crossmember
109	2	Notched Nylon Slider
110	6	Regular Nylon Slider
111	4	Nylon Retainer Cup
112	4	1/4" – 20 x 1/2" Hex Head Bolt
113	4	1/4" Flat Washer
201	1	Left front Leg (w/pump stand)
202	1	Right Front Leg

**Tools Needed:**      7/16" wrench      Hammer      2"x4"x18" block (supplied)

**Note: Be sure to allow at least 4 feet of space for installation of long safety lock rod (item 119)**

- A. (Illustration #3) Position the left front leg (item #201) and right front leg (item #202) approximately 110" apart. (Note: The left front leg has the mounting bracket for the power unit welded to it) make sure the safety lock slots are on the outside front in reference to how the lift will be installed.
- B. Take the two 2"x 4" woodblocks that were used in packing the lift (place on 2" edge) and lay one leg down on each block.
- C. Flip the safety locks on the crossmember so they will not engage the safety slots in the legs. Slide the crossmember onto the legs to the 3<sup>rd</sup> or 4<sup>th</sup> safety slot from bottom and engage locks. Now stand the leg and crossmember assembly upright. (Note: The safety locks must be on the same side as the safety slots in the legs).
- D. (Illustration #5). The nylon sliders must now be inserted between the outside slider and the legs. Insert one notched nylon sliders, on the inside of the leg first (item #109). Make sure that the notch is facing toward the crossmember. It **must not** cover the safety slot in the crossmember. Insert the three regular sliders (item #110) on the other three corners of the leg. You may need to **lightly tap** the sliders in with a hammer and a block of wood. **Do not force into place!** Repeat on the opposite side of crossmember.
- E. (Illustration #1). Locate the threaded holes, one on the inside and one on the outside of each crossmember outside slider. Install the four nylon slider retainer clips (item #111) using one (1) ¼"x ½" bolt (item #112) and ¼" flat washer (item #113) per clip. Tighten with a 7/16" wrench. **Do not overtighten!**

**4) Install crossmember onto the two rear legs (illustrations #1, #4 & #5)**

**Parts Needed:**

<u>Item NO.</u>	<u>Qty</u>	<u>Description</u>
101	1	Crossmember
109	2	Notched Nylon Slider
110	6	Regular Nylon Slider
111	4	Nylon Retainer Clip
112	4	¼" -20 x ½" Hex Head Bolt
113	4	1/4" Flat Washer
203	1	Left Rear Leg
204	1	Right Rear Leg

**Tools Needed:**      7/16" wrench      Hammer      2"x4"x18" Block (Supplied)

Repeat step #3 procedures with remaining crossmember (item #101), left rear leg (item #203) and right rear leg (item #204)

**5) Attach the Ramps to the Front Crossmember/Leg Assembly (Illustrations #1 & #6)**

**Note:** Make sure the Rolling Jack Platform rails on the ramps are toward the center of the lift, this will insure proper installation of ramps.

**Parts Needed:**

<u>Item NO.</u>	<u>Qty</u>	<u>Description</u>
101,201,202	1	Front Crossmember/Leg Assembly
301	1	Cylinder Ramp
302	1	Non-Cylinder Ramp
303	4	3/4"-10x4 1/2" Hex Head Bolt
304	4	3/4" Flat Washer
305	4	3/4" 10 Jam Nut (Thinner than regular nut)

**Tools Needed:** Two (2) Saw Horses      Engine Hoist

**Note:** Be sure to allow at least 4 feet of space for installation of short square bar safety lock rod (item 120)

- A. (Illustration #1 & #6) Place front crossmember and leg assembly in the area you choose to install the lift.
- B. The first ramp you install will be the cylinder side ramp (item #301). Unbolt cylinder side ramp (top) from shipping bracket. When placing the ramp onto the crossmember, make sure that the hydraulic hard pipe from the cylinder will be on the left outside, closest to the pump-mounting plate on the left front leg. \*Lift the cylinder side ramp onto the front crossmember and let the lip of the ramp rest on the crossmember with the other end resting on one sawhorse.

**Note: Engine Hoist Recommended for Lifting Ramps.**

- C. Align bolt holes in the ramp with the holes in the crossmember. Now, insert two (2) 3/4"x4 1/2" bolts (item #303) from the ramp through the crossmember. (The bolt goes from the inside of ramp out). Install 3/4" flat washer (item #304) and 3/4" jam nut (item#305), **hand tighten only**. Repeat steps B&C on the non-cylinder ramp (item #302).

**Before unbolting non-cylinder ramp from shipping bracket, place 2x4's (on 2" edge) under each end of ramp to support the ramp when shipping bracket is removed.**

**6) Attach ramps to rear crossmember (Illustration #1 & #6)**

**Parts Needed:**

<b><u>Item NO.</u></b>	<b><u>Qty</u></b>	<b><u>Description</u></b>
101,203,204	1	Rear Crossmember & Leg Assembly
301	1	Cylinder Ramp
302	1	Non-Cylinder Ramp
303	4	¾" – 10x 4 ½" Hex Head Bolt
304	4	¾" Flat Washer
305	4	¾" 10 Jam Nut (Thinner than regular nut)
306	4	Wheel Stop Retainer Plate
307	8	¾" – Lock Washer
308	8	¾" – 10 Hex Nut

**Tools Needed:**      1 1/8" wrench                      1 1/8" socket & ratchet

- A. (Illustration #1 & #6) Position rear crossmember and leg assembly under the lips of the two ramps.
- B. Lift either ramp high enough to slide the sawhorse out from under the ramp and place the lip of the ramp down on the rear crossmember. **(Caution – Make sure lip of ramp contacts crossmember).**
- C. Align bolt holes between ramp and crossmember. Insert two (2) ¾"x 4 ½" bolts (item #303) from the ramp through the crossmember. (The bolt goes from the inside of ramp out). Install ¾" flat washer (item #304) and ¾" jam nut (item #305), **hand tighten only**. Repeat steps B & C for opposite ramp.
- D. Using a 1 1/8" wrench and 1 1/8" socket, tighten all eight (8) ¾" jam nuts. Make sure a flat of the jam nut is parallel to the floor, for later wheel stop installation. Now slide the four (4) wheel stop retainer plates (item #306) onto ¾"x 4 ½" bolts extending out of front & rear crossmember. (Note: Holes in retainer bar are not centered vertically on plate – high end should be up.) Install eight (8) ¾" lock washers (item #307) & eight (8) ¾" nut (item #308) and tighten.

## 7) Assemble Secondary Lock Dog to Crossmember (Illustration #5A)

### Parts Needed:

<u>Item No.</u>	<u>Qty</u>	<u>Description</u>
105A	8	3/4" Set Screw Collar
117	8	Spring
130	4	Secondary Lock Dog
131	4	3/4" x 4" Round Shaft
132	4	1 1/4" Dia. Pulley
133	4	3/8" 16x5" Hex Head Bolt
134	4	3/8" Flat Washer
135	8	3/8" 16 Jam Nut (thinner than regular nut)
350	8	Snap Ring

### Tools Needed:

5/32" Allen Head Tool

Pliers

Snap Ring Pliers

- A. Install a 3/4" snap ring (item #350A) into the groove on one end of the 3/4" x 4" round shaft (item #131). Insert shaft thru 3/4" collars on crossmember gusset, from pulley side of crossmember. **Note: Insert shaft until snap ring contacts gusset collar.**
- B. Slide one 3/4" set screw collar (item #105A) onto shaft. Next slide secondary lock dog (item #130) onto shaft. **Note: Notch goes toward leg.** Slide another 3/4" collar onto shaft. Install 3/4" snap ring into groove on shaft.
- C. Tighten all set screws.
- D. Install 3/8" flat washer (item #134), 1 1/4" pulley (item #132) and 3/8" jam nut (item #135) threaded fully onto 3/8" – 16x5" hex head bolt (item #133). Install bolt, from pulley side of crossmember, into secondary lock dog (item #130). Install 3/8" – 16 jam nut (item #135) on bolt and tighten.
- E. Hook springs (item #117) onto spring retainer bar on lower end of crossmember gusset. Using pliers hook top of spring onto 3/8-16x5" bolt.



**8) Assemble Crossmember Locking Linkages (Illustrations #7)****Parts Needed:**

<b><u>Item No:</u></b>	<b><u>Qty</u></b>	<b><u>Description</u></b>
114	2	3/8" Round Safety Rod
115	4	3/8" Heim End
116	2	3/8" Hex Nut
117	2	Spring

**Tools Needed:      9/16" Wrench                                  Pliers**

- A. (Illustration #7) Slide 3/8" round safety rod (item #114), with welded washer closer to cylinder side ramp, through 5/16" eyebolt. (The washer welded to the safety rod should end up on the cylinder side of the lift).
- B. Thread 3/8" Heim ends (item #115) onto each end of the safety rod. (7 turns for initial setup)
- C. The Heim ends are now attached to the non-cylinder side safety lock dogs with a 3/8" hex nut (item #116) and tightened with a 9/16" wrench. The cylinder side Heim ends are not attached yet.
- D. Attach one end of the spring (item #117) to the washer on the safety rod and the other end to the eye bolt with a pair of pliers.

**9) Install Long & Short 3/8" Square Bar Safety Rods (illustrations #1, #8, & #9)****Parts Needed:**

<b><u>Item No.</u></b>	<b><u>Qt</u></b>	<b><u>Description</u></b>
115	4	3/8" Heim end
116	10	3/8" Hex Nut
119	1	3/8" Square Bar "Long" Safety Rod
120	1	3/8" Square Bar "Short" Safety Rod
121	1	3/8" Square Collar Sleeve
123	1	Ball Handle
125	2	3/8" x 6 1/2" Threaded Stud
137	4	3/8" Lock Washer

**Tools Needed:      3/16" Allen Head Tool                                  9/16" Wrench**

- A. (Illustration #8) Slide the 3/8" square bar "long" safety rod (item #119) from the rear crossmember through the cylinder side ramp and the loops (3/4" pipe) welded under the ramp. Attach 3/8" Heim end (item #115) on 3/8" round safety rod to the top hole on the end of square bar safety rod with 3/8" hex nut (item #116) and 3/8" lock washer (item #137), tighten with 9/16" wrench.
- B. Slide the 3/8" square bar "short" safety rod (item #120) from the front crossmember through the cylinder side ramp and the loops (3/4" pipe) welded under the ramp. Attach 3/8" Heim end (item #115) on 3/8" round safety rod to the top hole on the end of square bar safety rod with 3/8" hex nut (item #116) and 3/8" lock washer (item #137), tighten with 9/16" wrench.
- C. (Illustration #9) Insert the "long" safety rod (item #119) into the end of the square collar sleeve (item #121), being sure that the setscrews on the sleeve are facing toward the center of the lift for accessibility to tighten.
- D. Insert the "short" safety rod (item #120) into the other end of the sleeve, making sure there is approximately 1/4" clearance between square rod & crossmember for free rotation. Tighten the setscrews with a 3/16" Allen head tool.
- E. Thread two (2) 3/8" nuts (item #116) onto 3/8" x 6 1/2" threaded stud (item #125). Next, thread two (2) 3/8" Heim ends (item #115) onto 3/8" x 6 1/2" threaded stud (item #125). There will be two (2) assemblies (one assembly for each end of the lift).
- F. Adjust and attach 3/8" Heim ends to cylinder side safety lock dog and bottom hole, on the end of the 3/8" square bar safety rod, with 3/8" nut (item #116) and 3/8" lock washer (item #137). NOTE: The lock washer is only used on the Heim end that connects to the 3/8" square bar safety rod. Tighten with 9/16" wrench. Tighten 3/8" hex nuts on threaded studs to lock Heim ends in place.
- G. Install ball handle (item #123) on safety rod release handle.

## 10) INSTALL TOP CAPS AND ATTACH CABLES TO TOP CAPS (Illustration #10).

### Parts Needed:

<u>Item NO.</u>	<u>Qty</u>	<u>Description</u>
205	4	Top Cap
206	4	3/4" Flat Washer
207	4	3/4" 16 Lock Nut

### Tools Needed:

Wire Cutters

- A. (Illustration #10) Insert the top caps (item #205) into the top of each leg. Make sure that the cable hole in the top cap is in vertical alignment with the pulley.
- B. Cut wire ties on cables (under ramp) to release and separate, for attachment to top caps.
- C. Run cables to appropriate top cap on each leg, making sure the cable is routed on the inside of the secondary lock dog pulley (item #133), and install one 3/4" flat washer (item #206) and one 3/4" hex nut (item #207) onto each cable end. Tighten until the 3/4" hex nut is in the middle of the threaded cable end, for preliminary cable setup. (Final cable adjustment is covered later in the instructions).

## 11) ATTACHING THE POWER UNIT

### Parts Needed:

<u>Item No.</u>	<u>Qty</u>	<u>Description</u>
107	4	5/16" Lock Washer
108	4	5/16" Hex Nut
309	1	Hydraulic Power Unit
310	4	5/16"x1" Hex Head Bolt
313	1	Hydraulic Hose
314	1	Female Quick Disconnect
315	1	Male Quick Disconnect

Tools Needed:      ½" Wrench    11/16" Wrench    ¾" Wrench    Crescent Wrench    Teflon Tape  
3 Gallons Standard Hydraulic Oil

- A. Bolt the power unit (item #309) to the mounting stand plate on the left front leg with four 5/16"x1" bolts, lock washers and nuts (items #310, 107 & 108). Tighten with wrench
- B. Attach the hydraulic hose (item #313) to the 3/8" port on the front of the power unit. Tighten with a 11/16" wrench.
- C. Attach the Female Quick Disconnect (item #314) to the other end of the hose (Teflon tape recommended). Tighten with ¾" wrench and crescent wrench.
- D. Attach the Male Quick Disconnect (item #315) to the 3/8" threaded hard pipe coming from the hydraulic cylinder (Teflon tape recommended). Tighten with crescent wrench.
- E. Couple the Female and Male quick disconnects together.

- F. Remove the fill cap on the pump reservoir and add three (3) gallons of hydraulic oil (Note: on 12-volt systems fill until the reservoir is full).

#### **PLUG POWER UNIT IN AND REMOVE SLACK FROM THE CABLES**

You may need a second person to assist you at this point. One person should check the four cables under the cylinder side ramp making sure that the cables stay on the pulleys, and the second person should operate the power unit and watch that the cables stay on the crossmember pulleys. Run the unit by pressing the button on the center of the power unit until the slack has been removed in the cables.

**-STOP-**

**“CAUTION” THIS IS EXTREMELY IMPORTANT. BE SURE THAT ALL CABLES HAVE REMAINED ON THE PULLEYS BEFORE CONTINUING.**

- Raise unit to top safety lock position and engage locks by lowering lift with ball handle on power unit by pushing downward.
- Raise lift and disengage safety locks with the safety release handle and lower the lift to the ground by pushing the ball handle on the power unit downward. (Both handles must be held simultaneously).

#### **12) Adjusting the lift Cables**

**Tools Needed:      5/8” Wrench      Crescent Wrench**

Rise the lift until one of the outside sliders on the crossmember is even with one of the safety slots in the leg. With a crescent wrench and 5/8” wrench adjust the cables so that the other three sliders are in the same position in reference to the safety slots in the legs.

**ALL SAFETY LOCK DOGS (EXCEPT SECONDARY LOCK DOGS) SHOULD ENGAGE AT THE SAME TIME, WHEN THE LIFT IS OPERATED.**

If they do not, then readjust until they do.

### 13) Attaching Pulley Covers

**Parts Needed:**

<u>Item No.</u>	<u>Qty</u>	<u>Description</u>
127	4	Pulley Cover
128	16	1/8" x 1/2" Tapping Screw

**Tools Needed:**                      1/4" Nut Driver

Attach four pulley covers (item #127) over the four pulleys on the crossmembers with the sixteen 1/8" x 1/2" self-tapping screws (item #128). (Four on each pulley cover). Use a 1/4" Nut Driver.  
**DOUBLE CHECK THAT ALL CABLES HAVE REMAINED ON ALL PULLEYS.**

**-FINAL CHECK-**

**DOUBLE CHECK ALL HARDWARE FOR PROPER INSTALLATION (PAYING SPECIAL ATTENTION TO THE CABLE ROUTING). CHECK ALL FASTENERS TO VERIFY THAT THEY ARE TIGHT AND SECURE.**

**Thank You for Purchasing a Steel Valley Lift**

### OPERATION OF THE STEEL VALLEY LIFT

- 1) Run the lift, up and down empty several times to become familiar with the controls and safety lock operation. Look for any final adjustments before loading a vehicle.
- 2) Attach the approach ramps. Drive a vehicle on to the lift. Set the parking brake and or chock the wheels. Drop in the removable wheel stops (item #317). (Illustration #1)
- 3) Push the power button on the unit and raise the lift to the first set of safety slots. Check to see that all four locks are engaging.
- 4) Continue to raise the lift to the desired height. Check to see that all safety locks have engaged into the safety slots.
- 5) Push the release handle on the power unit down to allow the lift to set down on the safety lock dogs.
- 6) To lower the lift to the ground, you must raise the lift approximately 2". Pull the safety release handle down to disengage the safeties and push the release handle down at the same time (simultaneously).

**MAKE SURE THAT ALL FOUR SAFETY LOCKS HAVE FULLY DISENGAGED. FAILURE TO DO SO WILL CAUSE THE LIFT TO REMAIN CAUGHT ON ONE SIDE OR HUNG UP IN THAT CORNER**

### \*SAFETY PROCEDURES\*

- Never operate the lift when not fully alert.
- Always check that safety locks are engaged before working under the lift.
- Clear the area under the lift of all debris before lowering.
- Keep hands and feet clear during operation.
- Never leave the pressure on the system for an extended time period. (Leaving the lift between lock positions).
- Do not run the power unit dry of hydraulic oil or without fill cap.
- All moving parts must be lubed at least once a month.

### Care for Your Steel Valley Lift

#### **Things to Check Once Every 6 Months:**

Put a small amount of lightweight oil on a cotton rag and under the lift wipe the length of all the cables from start to finish. What this will accomplish is if you encounter a snag while wiping down the cable it will be an alert that there is a broken strand on the cable and that this will need to be fixed in order to ensure top safety measures.

#### **Things to Check Once Per Year or More, Depending on Usage:**

You will need to grease the pulleys once a year in order to maintain smooth movement of the fittings on your lift. On newer models, you will need to grease the Zerk fittings once a year. If you ever hear a “squeak” when operating your car lift, then one of the pulleys is dry. It is important to grease pulleys in order to maintain peak performance of your auto lift. There are four Zerk fittings on each leg of the lift as well as four under the runway next to the power unit. (two at each end of the runway) These pulleys will have a hex plug in the center of the shaft that will need to be removed. You will also have to use one of the Zerk fittings from one of the other pulleys on the legs to grease these pulleys. Once all four pulleys are greased it is very important to REMOVE THE ZERK FITTING AND REPLACE THE PLUGS for each pulley under the runway.

#### **Things to Check on Once Every Other Year:**

Carefully inspect all the nuts and bolts on your entire auto lift in order to make sure that they are securely fastened.

#### **Things to Check on As-Needed:**

Clean all upright columns using Pledge furniture polish once every 4-6 weeks. Make sure you do NOT use a petroleum-based product because it will deteriorate the UHMW sliders and lead to potential problems in the future.

### OUTSIDE USE AND STORAGE

It is important to provide daily inspection and maintenance checks. Do not store outside without daily maintenance. We recommend that when the lift is to be stored outside it should be stored in an upright position. To protect the cylinder rod from surfaced corrosion. If directions are not followed seal failure will happen and void warranty. **Cold weather use** - if used outside there is a cold weather hydraulic fluid that should be used. If fluid is exposed to low temperature, raise and lower the lift several times without a load. Cold fluid will damage cylinder seals.

### POWER UNIT

The power unit is NOT waterproof. It must either be covered to prevent any moisture from entering the system or use a Cart Mount for the power unit and store it inside out of the weather when not in use.

## 5 YEAR WARRANTY

JL Industries warrants all Steel Valley and Backyard Buddy lifts which includes: parts on all electrical components, all parts of hydraulic cylinders and all cables free from any defects for a period of Five (5) Years after acceptance of the original purchase order by JL Industries. Any part of an electrical component or any part of a hydraulic cylinder determined by JL Industries to be defective within said Five (5) Year period will be replaced by JL Industries. Buyer must pay all costs incurred in shipping such parts to JL Industries at 140 Dana Street NE, Warren, OH 44483. JL Industries will return replacement parts by standard ground rates. Buyer will pay for expedited shipping.

JL Industries has no obligation to repair or replace any part of any electrical component or any part of any hydraulic cylinder or any cable where the defect is caused by abuse, misuse, overloading, accident (including but not limited to, damage in shipping), improper maintenance, or alteration, or attempt to repair not authorized by JL Industries. Repair or replacement of defective parts, as set forth herein, is the Exclusive Remedy available to Buyer.

All other warranties, express or implied, including, but not limited to, warranties of merchantability and or fitness or particular purpose, are excluded. Warranty extends on to buyer and may not be assigned or transferred.