HUNTER Engineering Company

HUNTER 3 Year Warranty hunter.com/warranty

MADE IN USA
USING THE FINEST US & GLOBAL MATERIALS

L494 HEAVY-DUTY FOUR-POST

35,000 lbs lift rack for commercial vehicles

OPERATIONS MANUAL

Form: RM07815-00-00
06/24/2024
Supersedes 04-24

Operation Manual

Table of Contents

1. FOR YOUR SAFETY

CALIFORNIA WARNING
This product may contain chemicals known to the State of California to cause cancer and reproductive harm.
www.P65Warnings.ca.gov

- Please read and follow these decal instructions to prevent equipment damage and/or personal injury.
- If any decal shown in this manual has been removed, is missing, or cannot be read completely for any reason, contact your local service representative for a replacement decal(s).
- Or call:Hunter Engineering Company at 1-800-448-6848.
- A new warning label kit, 20-3064-1 may be ordered free of charge. The kit will contain all the decals described in the lists below.

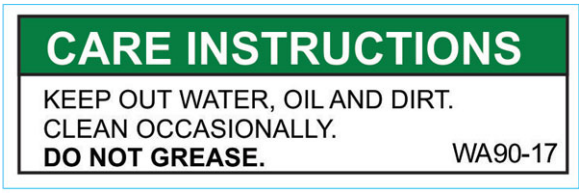
Table 1. Decal List

Decal	Description	Qty.	Application Notes
--	HANDS OFF	4	Circle with hands crossed out For underneath, mechanism of PowerSlide runways

1.1. Decal Placement Overview

Care Instructions

Figure 1. WA90-17

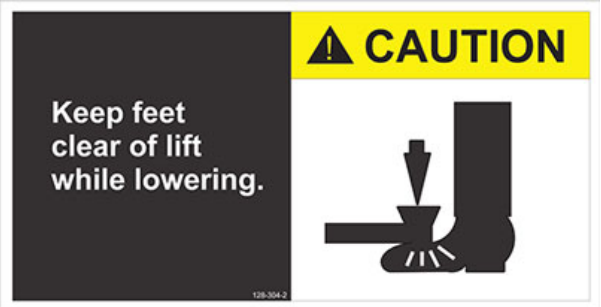


PIN/LOCK TURNPLATES

Figure 2. 128-571-2

Keep Feet Clear

Figure 3. 128-304-2 (Runways and Crossmembers)



Read Operation Manual

Figure 4. 128-180-2

Care Instructions - Rack Finish

Figure 5. 128-567-2

L494HD Weight Capacity

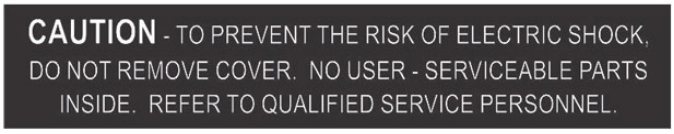
Figure 6. 128-1835-2 One sticker per Runway

Do Not Exceed

Figure 7. 128-938-2

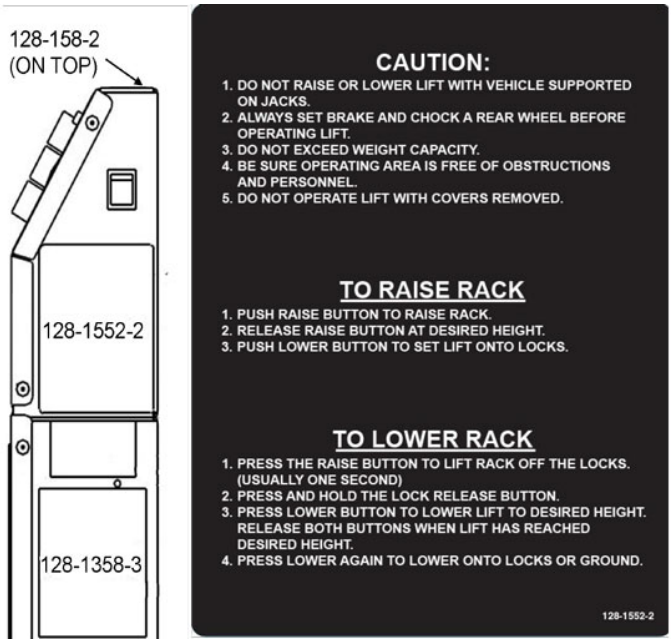
Caution - Risk of Electric Shock

Figure 8. 128-158-2 (on top of console)



CAUTION: RAISE/LOWER

Figure 9. 128-1552-2

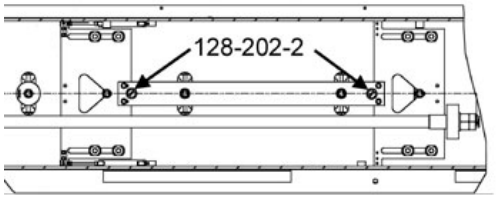


DANGER: Lockout Power

Figure 10. 128-1358-3

Hands Caution: PowerSlide Runways

Figure 11. 128-202-2



Underneath PowerSlide Runways

128-202-2

WARNING: DO NOT EXCEED

Figure 12. 128-320-2

WARNING: REMAIN CLEAR

Figure 13. 128-321-1

CAUTION: Do Not Operate

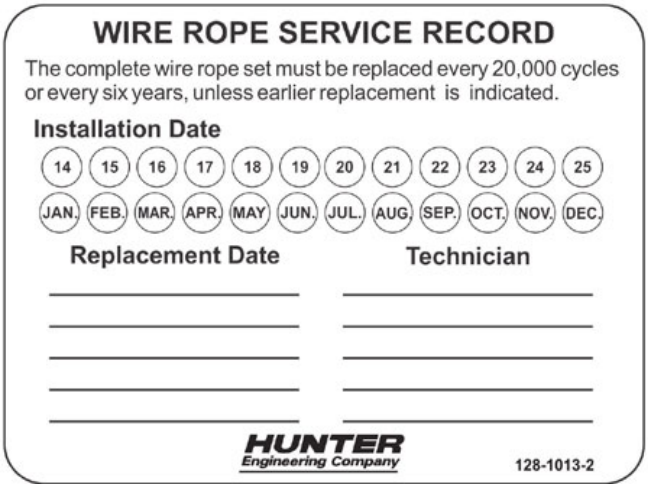
Figure 14. 128-311-2

CAUTION: Proper Maintenance

Figure 15. 128-312-2

Wire Rope Service Record

Figure 16. 128-1013



1.1.1. Safety Instructions

Figure 17. 128-308-2

1.2. Jack Warning/ Instruction Decal Placement

1.3. Additional Safety Information

Equipment Description: The product is lift rack intend for automotive vehicles to been driven on to the rack and lifted up to a desired height so the underside of the vehicle can be accessed for service or alignments.

Intended Use: The intended use is in the servicing and alignment of automotive vehicles.

The transportation, assembly, servicing and/or removal of equipment should only be done by a factor trained representative or distributor.

2. Specifications

Table 2. Lift Capabilities

Specifications	L494HD
Maximum Load Capacity	35,000 lbs (15874 kg)
Maximum Lifting Height	69.88 in. (1775 mm)
Alignment Height	Any of 7 lock positions
Overall Height	98 in. (2489 mm)
Power Unit	139-64-2
Lifting Speed	82 seconds (1/2 capacity max height)
Lowering Speed	70 seconds (1/2 capacity max height)
Motor	3 hp, 208-230 VAC, 60hz, 1ph
Pressure Relieve Valve	Contact Hunter
Valve Stamped ID	Contact Hunter
By-pass Pressure	
Tread Width: Min inside	44 in. (1016 mm)
Max outside	104 in. (2337 mm)
Max. wheelbase	320 in. (8128 mm)
General Service:	300 in. (7620 mm)
Two-wheel alignment	158 in. (4013 mm)
Four-wheel alignment	

3. Getting Started

3.1. Operator Responsibilities

NOTE
Read and thoroughly familiarize yourself with these instructions and the ANSI/ALI ALCTV prior to operating the equipment.

The operator shall operate the automotive lift only after proper instruction or trained as outlined below (see Operator Training).

The operator shall use all applicable safety features provided on the automotive lift, and operate the lift in accordance with the instructions furnished with the lift.

The operator of the lift shall be responsible for maintaining the cleanliness and orderliness of the lift and its surroundings so the lift may be safely operated in accordance with the instructional and safety materials furnished with the lift.

The lift owner or employer shall take all appropriate steps to follow the recommended inspection procedures, but in no event shall the lift operator fail to inspect or take notice of the procedures in the tables in Section 5. All procedures shall be completed within the time frame noted in the table.

Don'ts:

- Do not place hands or head over jack if cylinders are pressurized.
- Do not operate jack if damaged or not operating correctly. See chapter five (5) for inspection points.
- Do not raise or lower lift with the vehicle supported on jacks.

Do's:

- Always set jack on the ratchets after raising the vehicle.
- Always ensure that the vehicle is safely supported on lift pads before raising the vehicle.
- Always raise jack off LOCKS before attempting to release locks.

3.2. Operator Qualifications

To avoid personal injury, only qualified personnel with a clear understanding of lift operations should be allowed to operate and perform maintenance on this equipment.

The operator must be capable of reading and understanding all of the provided instructions and the Automotive Lift Institute publication, "Lifting It Right," "Safety Tips," and "Warning Labels."

If inspection of the equipment results in components requiring replacement, contact your factory **Authorized Service Representative**. Call 1-800-448-6848 for the phone number of your local **Authorized Service Representative.**

3.3. Operator Training

The owner or employer shall ensure that operators of automotive lifts are instructed in the safe use of the lift using all of the provided instructions and the Automotive Lift Institute publication: "Lifting It Right," "Safety Tips," and "Warning Labels."

The owner or employer shall display these materials in a conspicuous location in the lift area. The owner or employer shall appropriately document operating training. A Maintenance/Training documentation form has been provided in the Appendix.

4. Detailed Operation Instructions

4.1. Preparation

Lift Operation Safety Rules

Read and familiarize yourself with these instructions before operating lift.

Do not try to operate an improperly functioning lift.

Do not attempt to use a lift for any purposes other than lifting vehicles.

Properly chock vehicle before operating lift.

Make sure lift is clear of personnel and obstructions before operating. Do not operate a lift with anyone on or under the lift structure.

Watch lift and vehicle when operating.

Do not operate a lift with anyone in the vehicle.

Always set lift on safety lock latches before working on the vehicle.

Do not operate the vehicle while it is raised on the lift.

Do not operate a lift if the vehicle to be lifted is supported on jacks or any other auxiliary devices.

Do not install or use any unauthorized lifting devices or accessories.

Perform regular maintenance in accordance with instructions in Section Five.

NOTE
It is advisable to use a second person as a “spotter” to give visual assistance to the driver when approaching and driving onto and off the runways

4.2. Chocking Procedure

Read and thoroughly familiarize yourself with these instructions before operating the lift.

Adjust the turning angle gauges (with lock pins installed) to match the tread width of the vehicle

CAUTION
For safety, proper chocking of vehicle wheels is very important to prevent the vehicle from rolling while positioned on elevated runways.

1. Drive the vehicle onto the rack, place the transmission in PARK, and SET the emergency brake
2. Place a wheel chock, 22-525-2, at the front and rear of the left rear wheel.

3. Leave the wheel chocks in place while elevating the lift, performing service operations on the vehicle, and while lowering the lift.
4. After lowering the lift, remove the wheel chocks from the front and rear of the tire before moving the vehicle.

4.3. Lift Operation

Raising the Lift. 4 post lifts have consoles mounted to the front left post.

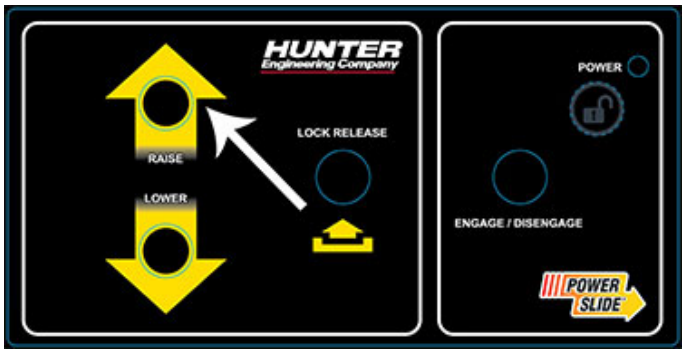
There are no controls on the pump housing. Check the lift and immediate area for obstructions and remove any that are found.

Verify that the turnplates and runway slip plates are locked in place.

> **WARNING**
> Do NOT operate lift with jacks in use. Serious injury may result if the lift is raised or lowered with a vehicle supported by jacks.

Verify “POWER” light is illuminated, indicating electrical power is supplied to console and the power switch located on the side of the console is in the “ON” position.

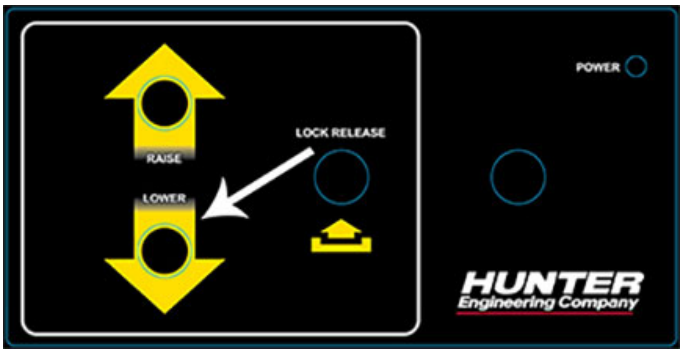
Depress and hold the “RAISE” button. The pump will begin to operate, raising the lift.

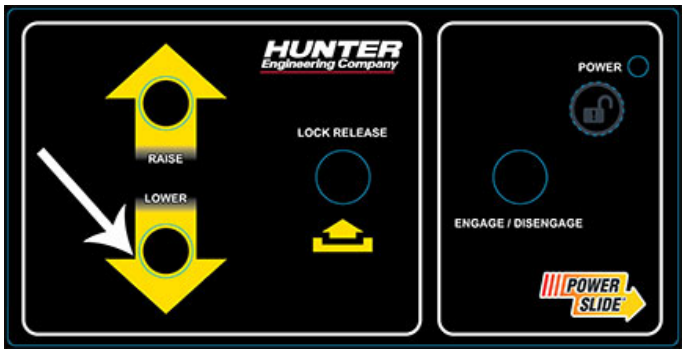


CAUTION
Listen for the sound of the mechanical locks passing over their detents. If the sound is not heard, release the "RAISE" button and refer to the troubleshooting section of this manual.

Release the "RAISE" button when the lift reaches the desired height. The pump will shut off and the lift will stop

Press and hold the "LOWER" button until the lift stops lowering and mechanical locks engage.





Lowering the Lift

Remove all obstacles from under the rack and runways.

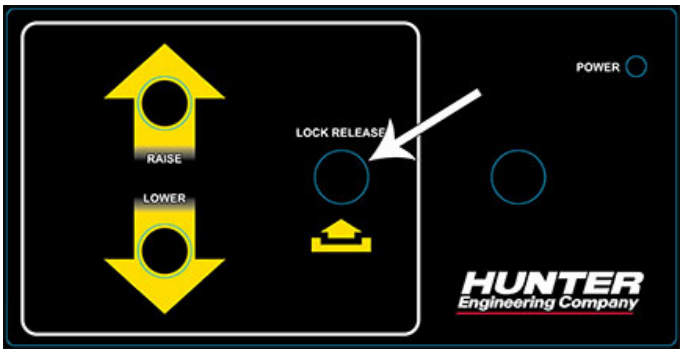
Be certain the vehicle is resting firmly on the runways with chocks both in front of and behind the left rear wheel.

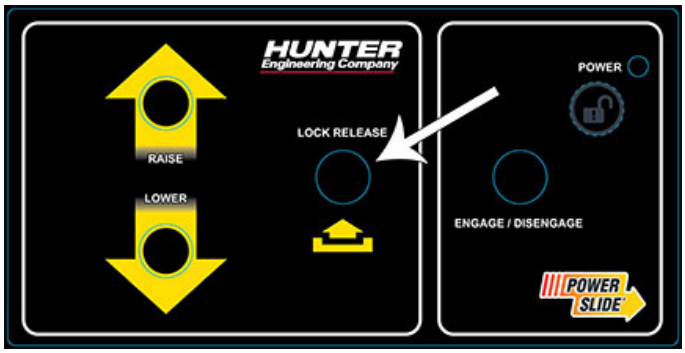
DO NOT OPERATE LIFT W JACKS IN USE
Do NOT operate lift with jacks in use. Serious injury may result if the lift is raised or lowered with a vehicle supported by jacks.

NOTE
On lifts with PowerSlide, the slip plates automatically lock as the lift is lowered to the floor.

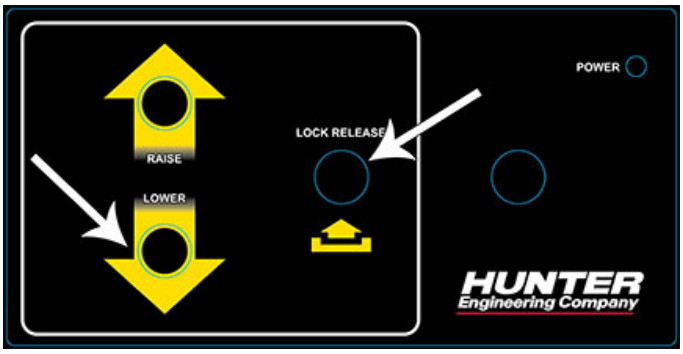
Depress and hold the "RAISE" button until the lift rises off the locks (approximately 1 inch [25 mm]).

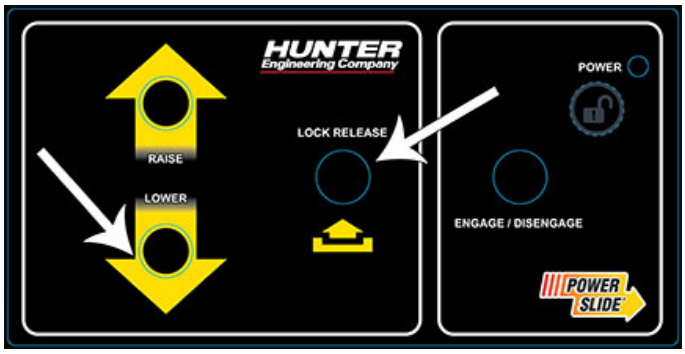
Depress and hold the "LOCK RELEASE" button to disengage the locks.





While continuing to hold the “LOCK RELEASE” button, depress the “LOWER” button until the lift reaches the desired height.





Release both buttons when the lift reaches the desired height.

Depress and hold the “LOWER” button until the mechanical locks engage.

If the lift is being lowered completely, ensure the lift rack is resting fully on the floor before removing the wheel chocks.

Remove all wheel chocks.

Before removing vehicle from lowered lift, verify that the turnplates and runway slip plates are locked in place. Use lock pins if optional PowerSlide feature is not present.

Carefully drive the vehicle off the runways.

Unlock and Lock Slip Plates with PowerSlide® Slip Plates (Optional)

Controls for the PowerSlide® slip plates are located either near lift controls (-PS models) or on the FIA console (-IS models).

5. Regular Maintenance

With due care and maintenance, your Hunter alignment lift can last indefinitely. Please use the following maintenance schedule to keep your Hunter alignment lift in good working order.

5.1. Corrosion

NOTE
Scratches to powder-coat should be touched up as soon as possible, on an as-needed basis. Use provided paint.

CAUTION
Wire ropes are a high wear item and must be inspected regularly to prevent failure. They MUST be replaced at the first sign of any symptoms listed below. The complete set MUST be replaced every 20,000 cycles or every six years unless earlier replacement is indicated by the required service inspections (see the maintenance schedule following).

The best preventive maintenance against wire rope corrosion is to keep the wire ropes well lubricated. The oil prevents moisture from entering into the wire rope strands. Once salt and moisture have penetrated into the core of the wire rope they are very difficult to displace and corrosion will begin immediately. The best method to prevent early replacement of wire ropes is to keep them well oiled.

The following are specific signs to look for when inspecting wire ropes for corrosion:

- More than surface rust on exterior of the wire rope is unacceptable. In other words, if you can't remove the rust easily with a wire brush, it's too deep and the wire rope should be replaced
- Any pitting of the wire rope indicates unacceptable amounts of corrosion. The wire rope should be replaced.
- Loss of flexibility of the wire rope is unacceptable. This can be checked with the lift raised and set on the locks. If found, the wire rope should be replaced.
- If any wires are broken, the wire rope should be replaced.
- Any "necking" or reduction in cross sectional area of the wire rope indicates a problem and the wire rope should be replaced.

NOTE
If an area of the wire rope has no lubricant on its surface, the wire rope is rust bound and should be replaced. Once the wire rope has lost oil protection, moisture has already entered the core and is nearly impossible to remove.

5.2. Maintenance Schedule

NOTE
For lockout / tagout instructions, refer to ANSI Z244.1.

Maintenance is to be performed by shop employee or trained lift service personnel.

Worn, damaged or broken parts need replaced with parts approved by the original equipment manufacturer or with parts meeting original manufacturer specifications.

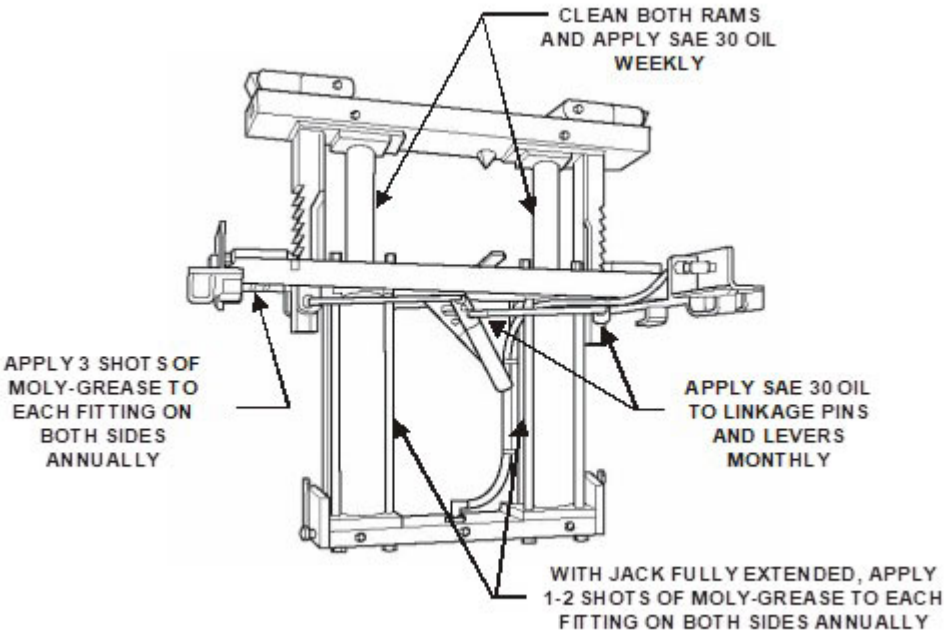
MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Weekly	Check the turning angle gauges and rear slip plates for smooth and easy operation. Clean by blowing out with clean, dry compressed air. Disassembly is not required. DO NOT lubricate turning angle plates or slip plates. (CAUTION: Always wear eye protection when using compressed air). Check anchor bolts on each post for tightness. Torque to 100-110 ft-lb. Check and lubricate rear ramp pivots with SAE 30 oil.
Monthly	Check wire ropes for damage and lubricate with a thin oil (SAE 5W-30). **Note: Do not use used motor oils. They contain contaminants that will break down factory applied lubricants. Also, do not use oils containing a solvent base (solvent cutback oils). They also will break down factory applied lubricants. Replace wire ropes immediately if any sign of wire rope damage is found.** Inspect entire lift for loose, damaged, or broken bolts. Replace as necessary. Blow dirt from insides of slide plates with compressed air (do not grease). Swing Air/Power Jacks: Clean swing air jacks thoroughly with a degreasing solvent and dry. Wipe cylinder tubes with oil. Apply SAE 30 oil to rollers and pivot pins. Check proper operation of control levers. Check for air leak. Check that the locks are fully engaging and unlocking at the correct times. Perform general structural check for damage. Check columns and runways for corrosion. Corrosive agents, solvents, and road salts can greatly reduce the life of the lift in a very short period of time. If these types of agents are spilled or splashed onto the lift, immediately rinse area thoroughly with water. If they come in contact with the wire ropes, wash the wire ropes immediately with water and re-lubricate with low viscosity oil. Check the power unit reservoir oil level. Add oil if necessary (use Hunter's specially filtered DEXRON III transmission fluid, 148-128-2). **NOTE: Oil must be checked and filled when the lift is in its fully lowered position.** Remove air breather cap and oil full level screw located at the top of the reservoir. Fill reservoir with oil until the oil begins to drip from full level screw hole. Replace air breather cap and oil full level screw. If the oil level is found to be low, determine the source of the oil loss and repair immediately. Apply SAE 30 oil to all pivot pins, ramp pins, wheel stop pins and leg shafts. Wipe hoist cylinder with oily cloth and lubricate gear rack. **Notes about corrosion:** The best preventive maintenance against wire rope corrosion is to keep the wire ropes well lubricated. The oil prevents moisture from entering into the wire rope strands. Once salt and moisture have penetrated into the core of the wire rope it is very difficult to displace and corrosion will begin immediately. Remove top slip plate. Clean thoroughly with a degreasing solvent and dry. Coat unpainted surfaces,where balls roll, with paraffin. Replace any broken balls. Replace top plate.
Every 6 Months	Check runways and re−level as required.
Annually	The entire lift should be inspected yearly (more frequently for severe use applications) by your factory authorized service representative.

MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Every 2 Years	Change hydraulic fluid. Use 4 gallons (15 liters) of Hunter's specially filtered DEXRON III transmission fluid, 148-128-2. **NOTE: Oil must be filled when the lift is in its fully lowered position.** Drain fluid from reservoir by dropping pump reservoir with the lift lowered completely. Clean any metal particles that may be on the magnet
Every 6 Years	Hunter Engineering requires that the lifting cables on all 4-Post models be replaced every six years. Hunter Service representatives are authorized to perform this service

NOTE

The suggested maintenance above is for normal working conditions. Equipment exposed to unusually dirty or harsh corrosive conditions such as heavy winter road salt may require more frequent maintenance and service.

If any of the conditions described above are observed before, during, or after operation of the lift, the operator shall stop using the lift and report the condition to the supervisor, employer or owner. The lift shall not be used until the cause of the problem has been determined and the appropriate repairs have been made by qualified automotive lift personnel.



5.3. Warranty Information

Hunter Engineering Company warrants new equipment to be free from defects in material and workmanship under normal conditions of use for a period of three (3) years from the date of installation. Exceptions to this warranty are listed below:

- Field labor is covered under this warranty for a period of six (6) months.
- ADASLinkTM units carry a one (1) year warranty and remain under warranty as long as a subscription is maintained there after.
- DAS 3000 units, including electronic circuit boards, carry a one (1) year warranty.
- Printers carry a one (1) year warranty.
- Normal consumables and wear items are not covered. Exception is batteries, which are warranted for a period of six (6) months.
- Product that has been subject to abuse, misuse, alterations, accident, exposure to the elements, tampering, unreasonable use, or not maintained in a reasonable or necessary manner.
- Replacement parts purchased through the Hunter Service Center and no longer covered by machine warranty are warranted for a period of six (6) months.

In case of any warranty claim, it will be necessary to contact your local authorized Hunter Service Representative. To have an item considered for warranty, it must be returned to Hunter Engineering Company for inspection and evaluation. This must be done on a freight prepaid basis. If after our inspection the product proves to be defective, and is within the time frame specified, we will repair or replace the item at no additional cost.

This is Hunter Engineering Company's only warranty with respect to new equipment. Hunter Engineering Company disclaims all other warranties to the extent permitted by law. This express warranty and any implied warranties of merchantability and fitness for a particular purpose shall not extend beyond the warranty period. Hunter Engineering Company is not responsible for any incidental or consequential damages, including, but not limited to, loss of business.

We do not authorize any person to assume for us any other liabilities with our products. Any remaining warranty may be transferred to subsequent purchasers by forwarding the purchaser's name, address, phone number and equipment serial number to:

See our document library at *www.Hunter.com* for additional details.

Hunter Engineering Company | Customer Service Department
11250 Hunter Drive, Bridgeton, MO 63044
(800) 448-6848

6. Troubleshooting

Table 3. Troubleshooting Chart

PROBLEM	POSSIBLE CAUSE	SOLUTION
Lift does not operate.	Circuit breaker or fuse blown in shop power panel. Hydraulic system malfunction.	Locate shop power panel and restore power. If overload repeats due to lift operation, contact factory service representative.
“RAISE” button depressed, motor runs but lift will not rise to full height	Low hydraulic fluid reservoir. Overhead obstruction to vehicle. Voltage supply low Hydraulic system malfunction.	Lower lift, check hydraulic fluid level, and fill. Determine reason for low hydraulic fluid level. Lower lift and remove obstruction. Contact factory service representative.
“RAISE” button depressed, motor runs, lift does not move.	Vehicle is beyond capacity. Electrical/Hydraulic controls malfunction. Electrical control malfunction.	Do not attempt to raise vehicles in excess of lift capacities. Electrical/Hydraulic controls malfunction. Contact factory service representative.
Runways continue to rise after “Raise” button is released.	Electrical control malfunction.	Turn circuit breaker “Off” at shop power panel. Contact factory service representative.
Locks do not retract	One or more locks still engaged on the lock ladder. Air control malfunction. Leak in air circuit.	Raise lift more before pressing “LOCKS RETRACT” switch Check air supply and hoses. Check air circuit and repair any leaks. Contact factory service representative.
“Lower sequence started; lift raises but then does not lower.	One or more locks still engaged on the lock ladder. Air control malfunction. Velocity fuse tripped. Electrical/Hydraulic controls malfunction.	One or more locks still engaged on the lock ladder. Check air supply and hoses. Contact factory service representative.
Lift continues to descend after “LOWER” button is released.	“LOWER” button is stuck or 2- way valve (“LOWER” solenoid valve) is stuck open	Contact factory service representative.

Develop skills and knowledge

EXCEL WITH HUNTER TRAINING

Live On-Site Training

All Hunter Training classes are led by ASE-certified instructors and all training material is kept up-to-date through a rigorous curriculum review process.

YouTube Video Tutorials

Product-focused videos explaining features and processes

Hunter University

Self-driven eLearning courses designed for all student levels

hunter.com/training

Hunter Learning Channel

Because of continuing technological advances, specifications, models and options are subject to change without notice.

HUNTER Engineering Company

www.hunter.com