HUNTER Engineering Company

HUNTER 3 Year Warranty hunter.com/warranty

MADE IN USA
USING THE FINEST US & GLOBAL MATERIALS

RXK SCISSOR LIFTS

Alignment Lift Racks for Passenger Vehicles

OPERATIONS MANUAL

Form: RM07446-00
04-26
Supersedes 12-25

Operation Manual

Standard Operation Video

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

- Read and follow all caution and warning labels affixed to your equipment and tools. Misuse of this equipment can cause personal injury and shorten the life of the equipment.
- Always use wheel chocks in front of and behind the left rear wheel after positioning a vehicle on the rack.
- Use caution when jacking the vehicle.
- Always wear OSHA approved safety glasses.
- Do not use on wet surfaces or expose to rain.
- Verify that the appropriate electrical supply circuit is the same voltage and amperage ratings as marked on the aligner before operating.
- Keep all decals, labels, and notices clean and visible.
- To prevent accidents and/or damage to the aligner, use only Hunter recommended accessories.

Operation Manual contact:

1.1. Corporate Information

Hunter Engineering Company

Addr:	11250 Hunter Drive, Bridgeton, MO 63044 USA
Ph:	314-731-3020
Web:	*www.hunter.com*

1.2. Safety Labels

WARNING, SAFETY INSTRUCTIONS, and other decals have been attached to the equipment for your information and your safety. 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, contact your local service representative for a replacement decal(s) or call Hunter Engineering Company at 1-800-448-6848,

1.3. Lift Rack Warning / Instruction Labels

A new warning label kit (20-2480-1) may be ordered free of charge.

See Image *Decal Locations [28]*

1.4. Turnplate Warnings

See Image *Turnplate Warnings [32]*

1.5. Jack Decals

See images *Jack Decals [34]*

Rack Warning Instruction Decals
Most of the runway warning/instruction decals are contained on one sheet of decals that has the groups of decals located near the turnplates, at the center and on the slip plates.

- Composite 128-1307-3 has grouped decals for all RX10K runways.
- Composite 128-1305-3 has grouped decals for all RX12K runways.
- Composite 128-1725-3 has grouped decals for all RX14KL runways.
- Composite 128-1359-3 has grouped decals for all RX16KLF runways.

Decals near turnplate pockets.

Decals near Center of Runway (128-1307-3 with RX10K capacity shown)

1.6. Jack Warning Decal Location

Replacement decals are available free of charge by calling 1-800-448-6848.

- For 9,000 lbs. jack (133-84-1), order decal kit 128-1435-3
- For 6,000 lbs. jack (133-85-1), order decal kit 128-1454-3

See image *Jack Decal Location [32]*

1.7. Emergency Stop - Export Models RX45, RX55, RX63 and RX72

An emergency stop switch is located on the back of the console of RX45, RX55, RX63 and RX72 Scissors Lift Rack.

Turning the emergency stop switch to the “OFF” position disconnects the power from the console.

Returning the emergency stop switch to the “ON” position restores power to console.

1.8. 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.

1.9. Declaration of Conformity

HUNTER Engineering Company

Form 5273-TE, 03-23
Supersedes Form 5273-TE, 02-23

ORIGINAL

CE

EC Declaration of Conformity
(Manufacturer's Declaration)

CE

We herewith declare, HUNTER ENGINEERING COMPANY
11250 Hunter Drive
Bridgeton, Missouri 63044-2391 USA

that the following described machine in our delivered version complies with the appropriate basic safety and health requirements based on its design and type, as brought into circulation by us. In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity. This declaration is issued under the sole responsibility of the manufacturer.

Description of the machine/machinery part	Vehicle Lift
Machine type:	RX45K-435E, RX45KFIS-435E, RX45KFPS-435E, RX45KIS-435E, RX45KLFIS-435E, RX45KLFPS-435E, RX45KLIS-435E, RX45KLPS-435E, RX45KPS-435E, RX55KFIS-435E, RX55KFPS-435E, RX55KIS-435E, RX55KPS-435E Where: **F** models are "Flush Mounted" in a recessed floor; **IS** models are fitted with an "Inflation Station" for pumping tyres" **PS** models are fitted with auto locking slip plates and turnplates: **L** models include longer runways; And those suffixed with 435E powered by 400VAC, 3-Phase, 50Hz. 215E powered by 230VAC, 1-Phase, 50Hz.
Serial Number:	KBXXXX (First two digits represent month/year)
Applicable EC Directives	2014/30/EU 2006/42/EC 2011/65/EU
Third Party Testing Performed by	Technology International Limited, Notified Body No. 2863 1572 Oakbridge Drive, Powhatan, VA 23139 USA Cert No: NB21048HEC1.AMS
Applicable Harmonized Standards	EN ISO 12100:2010, EN ISO 4413: 2010, EN 60204-1:2018, EN ISO 4414:2010, EN ISO 13850:2015, EN 1493: 2010, EN ISO 13849-1:2015, EN ISO 13854:2019, EN ISO 14120:2015, EN ISO 13857:2019, EN 60529:1991/A2:2013/AC2019-02, EN 61310-1:2008, EN IEC 63000:2018, EN 55011: 2009+A1: 2010, EN 61000-4-2: 2009, EN 61000-4-4: 2012, EN 61000-4-5: 2014, EN 61000-4-6: 2014, EN 61000-4-11: 2004, EN 55011: 2009+A1: 2010, EN IEC 63000:2018
Person responsible for preparing the technical file:	Marco Kempin, Hunter Deutschland GMBH, Benzstraße 36, 82178 Puchheim Germany

This declaration of conformity is issued under the sole responsibility of the manufacture.

Robert Bruce March 23, 2023

Title of signatory:	Robert Bruce, Engineering Administrator 11250 Hunter Drive, Bridgeton, MO 63044 USA Signed for and on behalf of the manufacturer.

HUNTER Engineering Company

Form 5273-TE, 03-23
Supersedes Form 5273-TE, 02-23

UK CA UK CA

UK Declaration of Conformity
(Manufacturer's Declaration)

We herewith declare, HUNTER ENGINEERING COMPANY
11250 Hunter Drive
Bridgeton, Missouri 63044-2391 USA

that the following described equipment in our delivered version complies with the appropriate basic safety and health requirements based on its design and type, as brought into circulation by us. In case of alteration of the equipment, not agreed upon by us, this declaration will lose its validity. This declaration is issued under the sole responsibility of the manufacturer.

Description of equipment part: Vehicle Lift

Equipment type:

RX45K-435E	RX45KFIS-435E
RX45KFPS-435E	RX45KIS-435E
RX45KLFIS-435E	RX45KLFPS-435E
RX45KLIS-435E	RX45KLPS-435E
RX45KPS-435E	RX55KFIS-435E
RX55KFPS-435E	RX55KIS-435E
RX55KPS-435E	

Where:
F models are "Flush Mounted" in a recessed floor;
IS models are fitted with an "Inflation Station" for pumping tyres"
PS models are fitted with auto locking slip plates and tumplates:
L models include longer runways;
And those suffixed with
435E powered by 400VAC, 3-Phase, 50Hz.
215E powered by 230VAC, 1-Phase, 50Hz.

Serial Number: KBXXXX (First two digits represent month/year)

Applicable UK Regulations:
The Electromagnetic Compatibility Regulations 2016
S.I.2016:1091
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
S.I.2012:3032
Supply of Machinery (Safety) Regulations 2008
S.I.2008:1597

Designated Standards: EN ISO 12100:2010, EN ISO 4413: 2010, EN 60204-1:2018, EN ISO 4414:2010, EN ISO 13850:2015, EN 1493: 2010, EN ISO 13849-1:2015, EN ISO 13854:2019, EN ISO 14120:2015, EN ISO 13857:2019, EN 60529:1991/A2:2013/AC2019-02, EN 61310-1:2008, EN IEC 63000:2018 EN 61000-4-2: 2009, EN 61000-4-4: 2012, EN 61000-4-5: 2014, EN 61000-4-6: 2014,

	EN 61000-4-11: 2004, EN 55011: 2009+A1: 2010, EN IEC 63000:2018
Certificate No.:	Not applicable
UK Authorized Representative:	Authorized Representative Service, The Old Methodist Chapel, Great Hucklow, SK17 8RG, UK
Person Authorized to compile the technical file and signed at:	Hunter Engineering Company 11250 Hunter Drive Bridgeton, Missouri 63044-2391-USA
	Robert Bruce March 23, 2023 Robert Bruce
Title of signatory:	Engineering Administrator Signed for and on behalf of the manufacturer.
Archives	
	Equipment.-No.

1.10. End User License Agreement

Use of equipment and it's operating software is acknowledgment of agreement to the terms of the End User Licensing Agreement ("EULA"). The entire *EULA* can be found by scanning the QR Code.

2. Lift Specification

2.1. Lift Specification(s) for USA and Canada

RX16K, RX14K, RX12K, RX10K and RX10KL lift specification can be found at the URL below or by scanning the QR code. →

hunter.com/alignment-racks/scissor-lifts/?#docs

All RX series lifts are intended for indoor use only. Use outdoors or where significantly exposed to the elements will void warranty and may cause premature component failure which may result in a hazardous condition.

2.2. Lift Specification(s) for Export Regions (Not available in USA and Canada)

RX72K, RX63K, RX55K, RX45K and RX45KL lift specification can be found at the URL below or by scanning the QR code. →

hunter.com/en-int/alignment-racks/scissor-lifts/#docs

All RX series lifts are intended for indoor use only. Use outdoors or where significantly exposed to the elements will void warranty and may cause premature component failure which may result in a hazardous condition.

3. Intro - Getting Started

3.1. Operator Responsibilities

The operator shall operate the automotive lift only after being properly instructed or trained.

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 maintenance section. All procedures shall be completed within the time frame noted in the table.

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 finds components requiring replacement, contact your factory 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 Label.”

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 Information

4.1. Lift Operation Safety Rules

- Familiarize yourself with these instructions and the ANSI/ALI ALCTV before operating lift.
- Do not 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. 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 maintenance section.

4.2. Choking the Wheels

Adjust the turn plates (with lock pins installed) to match the tread width of the vehicle.

Drive the vehicle onto the rack, place the transmission in PARK, and SET the emergency brake.

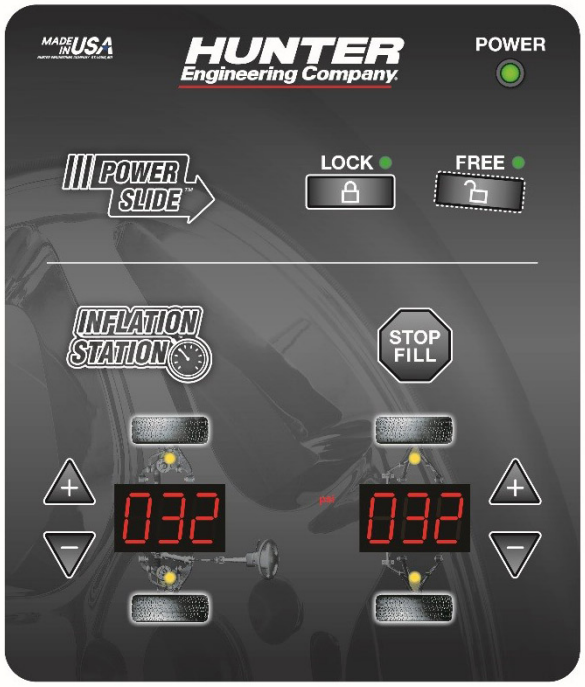
Place a wheel chock at the front and rear of the left rear wheel.

Left rear wheel shown

Leave the wheel chocks in place while elevating the lift, performing service operations on the vehicle, and while lowering the lift.

After lowering the lift, remove the wheel chocks from the front and rear of the tire before moving the vehicle.

4.3. Control Panel



4.4. Lift Operations

4.4.1. Raising the Lift

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.

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

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

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, mechanical locks engage and the “NOT ON LOCKS” light is no longer illuminated.

WARNING
Do not step on lift if raised higher than 39 in. (0.99 m).

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.

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 troubleshooting section of this manual.

CAUTION
Repeated press and release of the raise button (jogging) can cause premature motor failure. If jogging is detected, lift will enter a time out period and exclamation LEDs will flash.

CAUTION
Ensure mechanical locks are fully engaged before proceeding to service the vehicle

If “MISMATCHED LOCKS” message is illuminated, raise the lift to re-level and correct mismatched lock condition.

Press “RAISE” button until “MISMATCHED LOCKS” message is no longer illuminated (usually hear one lock click) and locks are matched again.

Again lower lift to engage mechanical locks.

NOTE
When “MISMATCHED LOCKS” message is illuminated, the “LOWER” button is disabled.

4.4.2. 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.

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

Depress and hold the “RAISE” button until lift rises off locks (approx. 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 and the “NOT ON LOCKS” message goes away.

If “MISMATCHED LOCKS” message appears, raise the lift to re-level and correct mismatched lock condition.

Press “RAISE” button until "MISMATCHED LOCKS” message goes away (usually hear one lock click) and locks are matched again.

Again lower lift to engage mechanical locks.

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

Remove all wheel chocks.

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.

CAUTION
Ensure the jacks are in the stored position, before completely lowering the lift.

CAUTION
Ensure the optional leveling legs, if so equipped, are pivoted into the horizontal storage position.

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

4.5. Unlock & Lock Slip Plates with Powerslide Slip Plates (Optional Feature)

Keypad controls for the PowerSlide® slip plates are located on the upper, right side of the control panel.

With the lift at alignment height, press the image of the free slip plate or the locked slip plate to control the status of slip plates.

Status of slip plate is indicated by the glowing green LED located next to the image of the free slip plate or the locked slip plate.

NOTE
Slip plates will automatically lock as the lift is lowered to the floor. Slip plates will also automatically lock if the console loses electrical power.

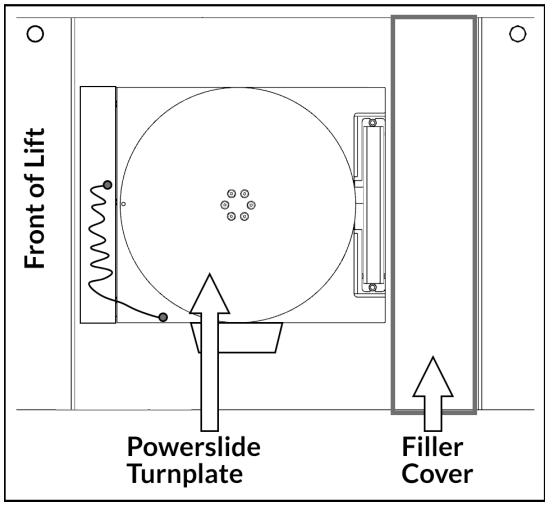
4.6. Adjusting Turnplates & Fillers

NOTICE
In the case of compact vehicles on the RX14KL or RX16KLF, if rear wheels do not reach the slip plates, turnplates can be moved back.

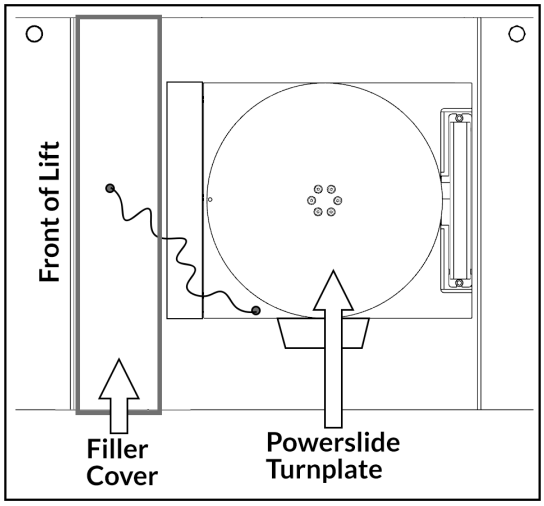
For **powerslide turnplates**, remove the filler cover first. Move powerslide turnplates towards the rear until it's against the frame. Place filler in the empty space over the air hose.

CAUTION
Filler cover has slots for air hose route on the bottom. Ensure hose runs through a slot, as not to pinch the air hose. Examples shown below

Filler cover shown on the **right**.

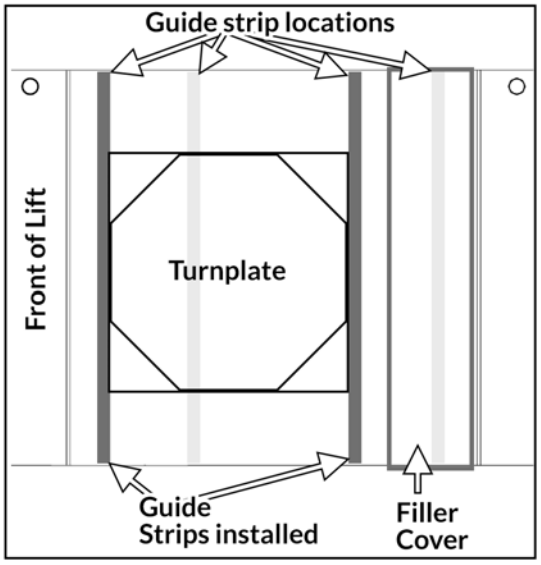


Filler cover shown on the **left**.

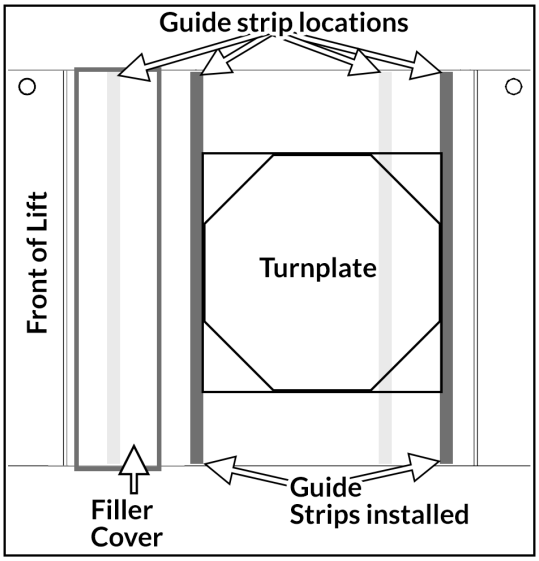


For **standard turnplates**, guide strips need to be moved towards rear to accommodate turnplate & filler being swapped.

Filler cover shown on the **right**.



Filler cover shown on the **left**.



4.7. Inflation Station (Optional Feature)

Keypad controls for the Inflation Station system are located in the lower, right section of the control panel.

Tire Pressure Adjustment

Connect the air line(s) to the vehicle.

Use the adjustment control arrows on either side of the pressure displays to set the desired tire pressure for each axle.

Each tire has a LED indicator to provide status information:

RED – Air line disconnected during adjustment.

YELLOW – Tire pressure currently adjusting.

GREEN – Tire pressure is adjusted correctly.

After each status indicator has turned green, the air lines may be removed from the vehicle.

The “Stop Fill” button may be pressed at any time to immediately stop tire pressure adjustments.

NOTE
Inflation station provides pressure adjustment for inflated tires. Initial tire pressure must be at least 8 PSI (0.6 bar).

4.8. Using the Workstep

NOTE
Worksteps are not provided for pit installations. If worksteps are used in a pit installation, each workstep must be removed from the rack before lowering the rack into pit.

WARNING
The max height that the add-on step can be used is 39in (0.99 m).

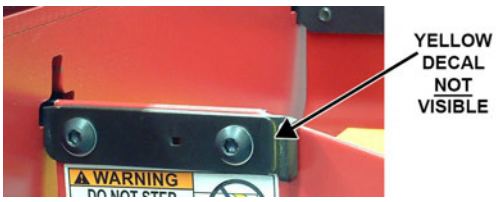
The lift is supplied with portable worksteps that fits into the side of the rack through specially designed cutouts.

When using a workstep, always ensure the workstep is fully engaged and locked into the cutout in the side of the runway.

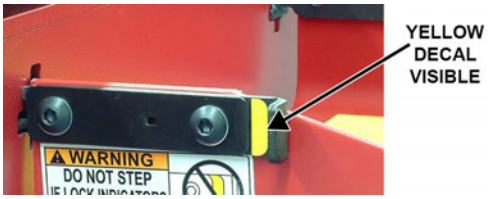
Always use two hands to install the workstep as follows:

- Align the workstep hanger brackets with the cutouts in side of lift rack.
- Push the workstep forward and down until the locks “snap” into place.

Note the photos below:



Correct Installation, Fully Inserted - The workstep hanger brackets have been fully inserted through the cross-cutout and are locked in place.



Improper Installation, Partially Inserted - The workstep is only partially through the cutouts. The yellow decal indicates the workstep is not locked onto the side of the runway. In this unsafe condition, the step can easily be pulled out of the runway. Push step forward and down until locked.

Check the stability of the workstep by pushing down on the stepping surface before standing on it.

When using the workstep, always use a safe, sturdy, OSHA-approved two-rung stepladder, as intermediate steps to mount the workstep.

To remove workstep, simultaneously pull back tabs to disengage locks.

CAUTION
Do not use a workstep that is improperly installed. If the yellow decal indicates the workstep is not locked, the step can pull out. Resulting injuries from falling are possible.

CAUTION
If using more than one portable workstep on one side of the lift do not attempt to step across or jump from one step to another. Serious injury could result from improper usage of the worksteps.

4.9. Auxiliary Jacks

Refer to jack operation instruction if your lift is so equipped

CAUTION
The jacks cannot be located closer than 60 inches of each other. Damage to lift, jack or vehicle shifting may occur.

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. Maintenance Schedule

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.

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

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

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.

LIFT RACK MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Daily	Check the mechanical lock mechanism in each runway.
	Clean any debris from roller wheel tracks located at rear of base frames.
	Clean any debris from the locks. **Keep** lock area clean and free of debris at all times.
	Check the hydraulic cylinders, hoses, and fittings for leaks. Leaks MUST be corrected immediately.
	Check condition of hoses. Worn or frayed hoses **MUST** be replaced immediately.
	Check the fluid level in the tank with the lift lowered completely. When adding hydraulic fluid (Dexron lll), the lift **MUST** be lowered completely.
	Check and lubricate rear ramp pivots with SAE 30 oil.
	Check base frame anchor bolts for tightness.
	Hose down with water and blow dry with compressed air when salt, ice, snow, or other corrosive conditions exist.

LIFT RACK MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Weekly	Check the turn plates and rear slip plates for smooth and easy operation. Hose down with water and blow dry with compressed air. Disassembly is NOT required. Blow dirt from insides of turning angle gauges and slide plates with compressed air (do not grease). Clean swing air jacks and power jacks thoroughly with a degreasing solvent and dry. Wipe cylinder tubes with oil. Apply SAW 30 oil to rollers and pivot pins. Clean bending and axle correction tools with a degreasing solvent. Inspect all bending tools for wear, cracks, or other defects. Blow dust off of sensors. Clean and polish exterior using soft cloth and liquid polish. **CAUTION: Always wear eye protection when using compressed air.**
Monthly	Clean and lubricate the tracks of the rub blocks. Rub blocks are located at the base and under the runways. Wipe clean and apply NLGI grade 2 bearing grease to running surfaces and side surfaces of tracks. Remove top slide plate. Clean thoroughly with a degreasing solvent and dry. Coat unpainted surfaces, where balls roll, with paraffin. Replace any broken balls. Replace top plate. Do **NOT** lubricate turn plates or slip plates.
Every Six Months	Check runways and re-level as required. (Should be performed only be an authorized Hunter factory representative.) Apply SAE 70 grease to grease fittings on swing air jack cylinders with jack fully extended.
Every Two Years	Change hydraulic fluid. Use 3-1/2 gallons (13.25 L) of Dexron lll transmission fluid. During each fluid change, replace the filter located on suction line, clean any metal particles on the magnet located on return line, and remove any sediment from bottom of reservoir.

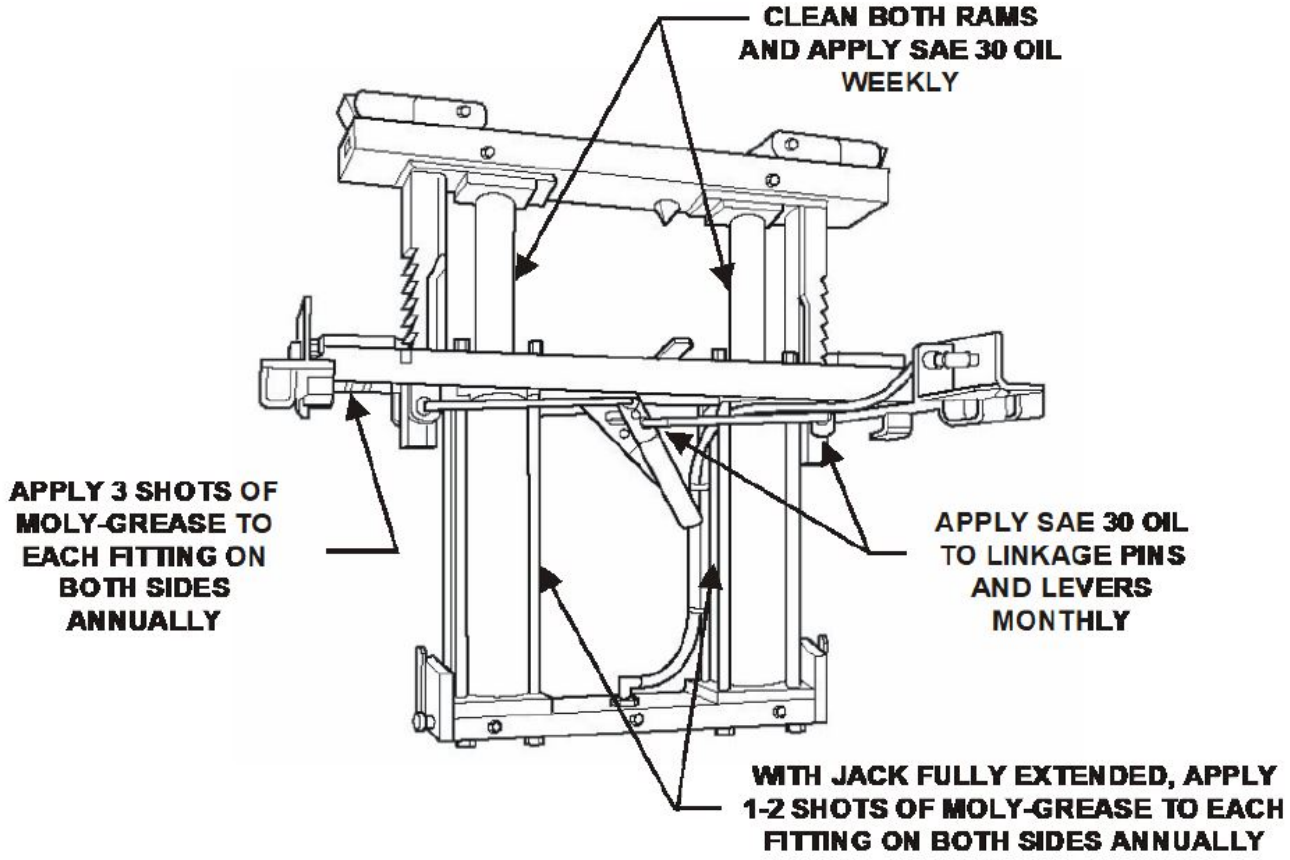
JACK MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Weekly	Clean both rams and apply SAE 30 Oil (see figure below). Check proper operation of control levers. Verify two handed operation of raise/lower controls. Check for air leak. Check that the locks are fully engaging and unlocking at the correct times. Check that pivot lock pins are undamaged and lock and unlock freely. Verify that counter balance spring is functional. Perform general structural check for damage.
Monthly	Apply SAE 30 Oil to linkage pins and levers (see figure below).

JACK MAINTENANCE SCHEDULE	PERFORM THE FOLLOWING MAINTENANCE
Annually	Apply 3 shots of Moly-Grease to each fitting on both sides of the jack channel assembly (see figure below). Apply 1-2 shots of Moly-Grease to each fitting on both sides of the lower cylinder assembly with jack fully extended (see figure below). Composite cylinders without grease fittings do not require annual lubrication.

NOTICE

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.



5.2. Lift Rack Schedule

Daily

- Check the mechanical lock mechanism in each runway.
  Clean any debris from roller wheel tracks located at rear of base frames.
  Clean any debris from the locks. Keep lock area clean and free of debris at all times.
  Check the hydraulic cylinders, hoses, and fittings for leaks. Leaks MUST be corrected immediately.
  Check condition of hoses. Worn or frayed hoses MUST be replaced immediately.
  Check the fluid level in the tank with the lift lowered completely. When adding hydraulic fluid (Dexron lll), the lift MUST be lowered completely.
  Check and lubricate rear ramp pivots with SAE 30 oil.
  Check base frame anchor bolts for tightness. Hose down with water and blow dry with compressed air when salt, ice, snow, or other corrosive conditions exist.

Weekly

- Check the turn plates and rear slip plates for smooth and easy operation. Hose down with water and blow dry with compressed air. Disassembly is NOT required. Blow dirt from insides of turning angle gauges and slide plates with compressed air (do not grease).
  Clean swing air jacks and power jacks thoroughly with a degreasing solvent and dry. Wipe cylinder tubes with oil. Apply SAW 30 oil to rollers and pivot pins. Clean bending and axle correction tools with a degreasing solvent. Inspect all bending tools for wear, cracks, or other defects. Blow dust off of sensors. Clean and polish exterior using soft cloth and liquid polish.
  Caution: Always wear eye protection when using compressed air.
- Caution: Always wear eye protection when handling NLGI grade 2 bearing grease

Monthly

- Clean and lubricate the tracks of the rub blocks. Rub blocks are located at the base and under the runways. Wipe clean and apply NLGI grade 2 bearing grease to running surfaces and side surfaces of tracks. Remove top slide plate.
  Clean thoroughly with a degreasing solvent and dry. Coat unpainted surfaces, where balls roll, with paraffin. Replace any broken balls. Replace top plate.
  Do not lubricate turn plates or slip plates.

Every Six Months

- Check runways and re-level as required. (Should be performed only be an authorized Hunter factory representative.
  Apply SAE 70 grease to grease fittings on swing air jack cylinders with jack fully extended.

Every Two Years

- Change hydraulic fluid. Use 3-1/2 gallons (13.25 L) of Dexron lll transmission fluid. During each fluid change, replace the filter located on suction line, clean any metal particles on the magnet located on return line, and remove any sediment from bottom of reservoir.
- Caution: Always wear eye protection Nitrile rubber gloves and protective clothing if contact with Dextron III is possible

6. Appendix

6.1. Environmental Information

The following disposal procedure shall be exclusively applied to the machines having the crossed-out bin symbol on their data plate.

This product may contain substances that can be hazardous to the environment and to human health if it is not disposed of properly. The following information is therefore provided to prevent the release of these substances and to improve the use of natural resources. Electrical and electronic equipment should never be disposed of in the usual municipal waste but must be separately collected for their proper treatment. The crossed-out bin symbol, placed on the product and on this page, reminds the user that the product must be disposed of properly at the end of its life. In this way it is possible to prevent that a non specific treatment of the substances contained in these products, or their improper use, or improper use of their parts may be hazardous to the environment or to human health. Furthermore, this helps to recover, recycle and reuse many of the materials contained in these products. Electrical and electronic manufacturers and distributors set up proper collection and treatment systems for these products for this purpose. At the end of the product's working life, contact your supplier for information about disposal procedures. When you purchase this product, your supplier will also inform you that you may return another worn-out appliance to him free of charge, provided it is of the same type and has provided the same functions as the product just purchased. Any disposal of the product performed in a different way from that described above will be liable to the penalties provided for by the national regulations in force in the country where the product is disposed of.

Further measures for environmental protection are recommended: recycling of the internal and external packaging of the product and proper disposal of used batteries (only if contained in the product).

Your help is crucial in reducing the amount of natural resources used for manufacturing electrical and electronic equipment, minimise the use of landfills for product disposal and improve the quality of life, preventing potentially hazardous substances from being released in the environment

6.2. Position Control System (MKS) Mercedes Benz only

MKS is a Mercedes-Benz procedure that may be used to monitor the precision of the wheel alignment lift rack and sensors.

The RX DC lift rack is equipped with MKS mounting brackets in order to make use of this procedure and to obtain valid MKS measurements.

The "Position Control System (MKS)" screen is displayed automatically after the aligner computer boots up when the power is turned on. The MKS screen may also be displayed by pressing the "MKS" softkey located on the Mercedes-Benz logo screen after logging on.

NOTE
By pressing "MKS Information" from the MKS screen, the MKS Help screen will appear

The MKS system checks the lift at one height. The MKS test height for conventional sensors is usually the fully lowered position. The MKS test height for DSP600 sensors is usually alignment height

NOTE
The measurements that appear on the MKS screen are valid only if the MKS measurements have been previously measured and set to zero at the MKS test height.

If the MKS measurements have been previously measured and set to zero, then all measurements should equal 0 degrees 00 minutes ± 0 degrees 05 minutes. Measurements that are within this tolerance will be green. Measurements that are outside of this tolerance will be red.

Green measurements are considered good and the lift rack and sensors are expected to provide accurate vehicle wheel alignment measuring results.

If red measurements are displayed, then the accuracy of the lift rack and/or sensors are suspect and it is recommended that the sensors first be checked for accuracy.

If the sensors are found to be accurate, then it is recommended that the lift rack be checked for accuracy

NOTE

The wheel alignment program will operate regardless of the MKS measuring results. Green or red measurements will not prohibit the use of the operating program.

Equipment Preparation for MKS Test

Conventional Sensors Set the lift rack to the fully lowered, drive-on position.

Drive a vehicle onto the lift rack. Lock the MKS brackets located on the sides of the lift into the upright position. Install the wheel alignment sensors onto the appropriate MKS brackets.

Connect all sensor cables (if required) and turn all sensor power switches on. Verify that the index mark of the sensor shaft is at the 12:00 o'clock position, then lock the sensor lock knob.

Level the sensor and lock the sensors to the MKS bracket by tightening the lock knob on the MKS bracket.

Turn the system "ON" by pressing the power switch located on the back of the console where the AC power cord is connected to the cabinet.

Setting MKS Measurements to Zero

MKS measurements may be set to zero only after the "Manager" has logged on.

MKS measurements may not be set to zero if a "User" is logged on, or if the "Logon Enable" feature is disabled.

The Mercedes-Benz logo screen will be displayed after logging on to the system using the "Manager" name and password.

Press "MKS" to display the "Position Control System (MKS)" screen.

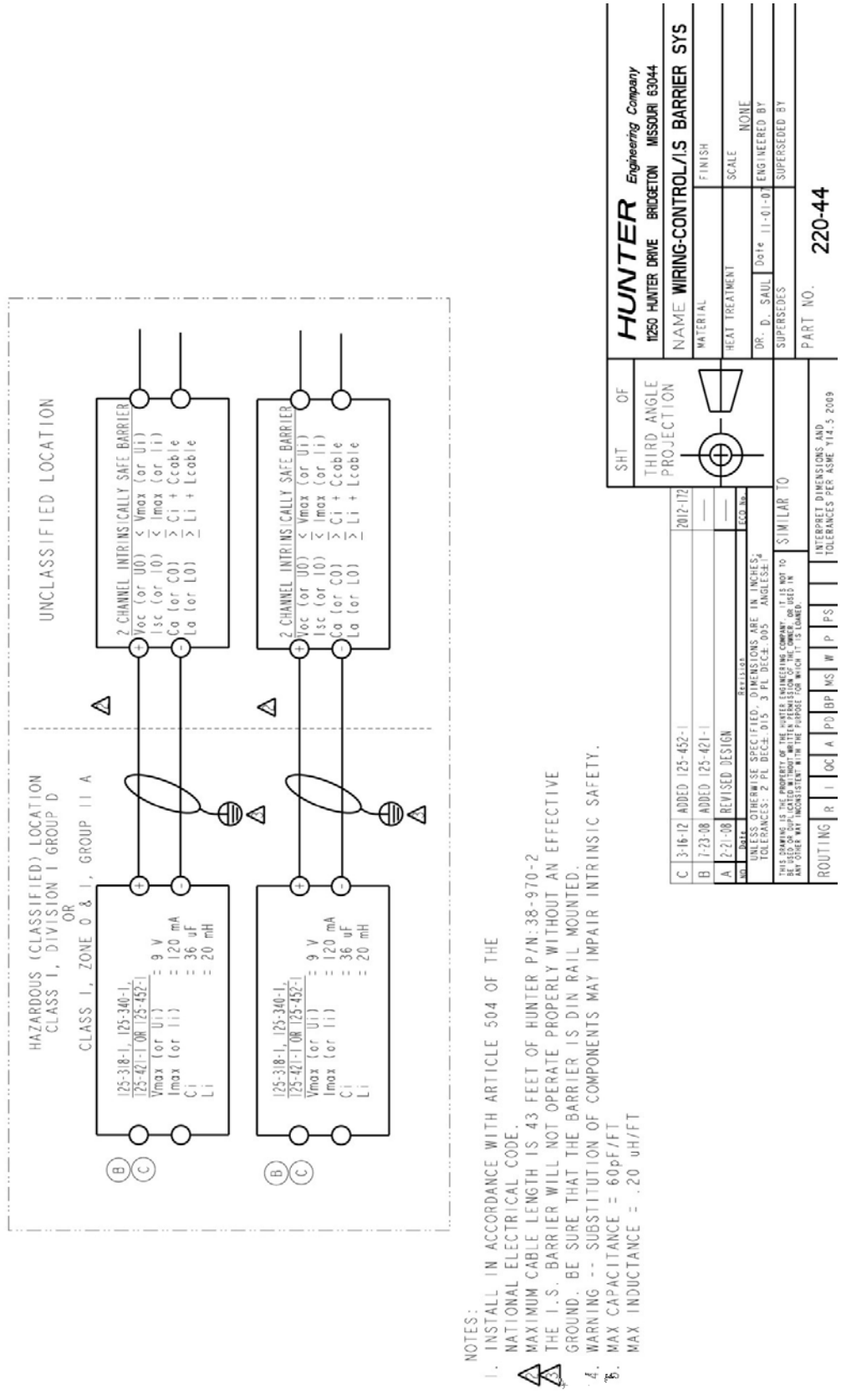
Have the sensors or targets positioned on MKS brackets and lift at the MKS test height

Press "Zero" to set all of the measurements to 0 degrees 00 minutes. The Zero Date will be set to the current time and date.

NOTE
The MKS test is not to be used to adjust the toe and camber transducers in the wheel alignment sensors or to level the runways of the lift or pit.

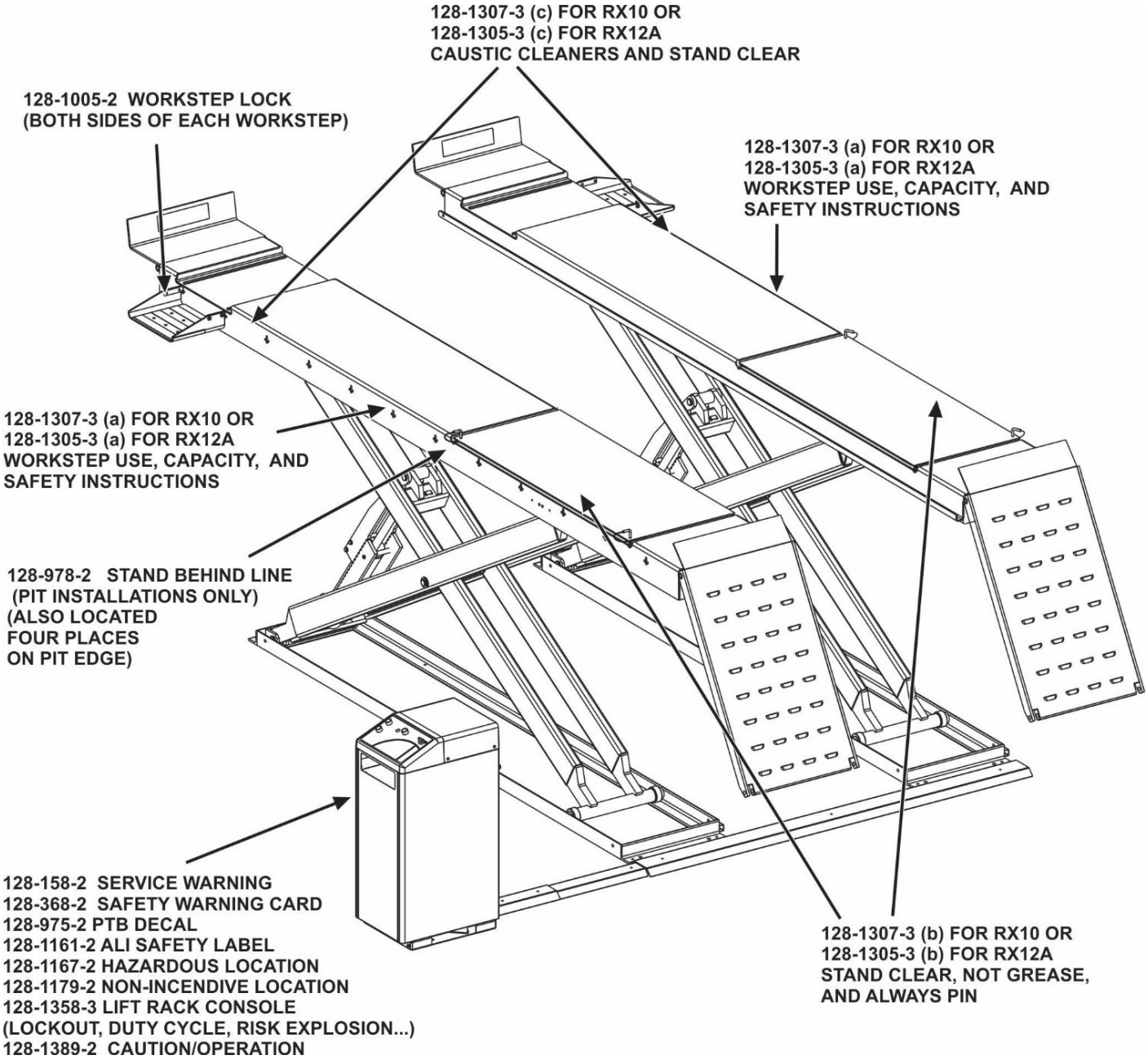
Before performing wheel alignment measurements, the values displayed on the MKS screen must not be greater than or equal to 5 minutes while the sensors are installed in the MKS brackets. If any value is out of tolerance, then the lift and wheel alignment system must be checked.

7. Panel Control Drawing



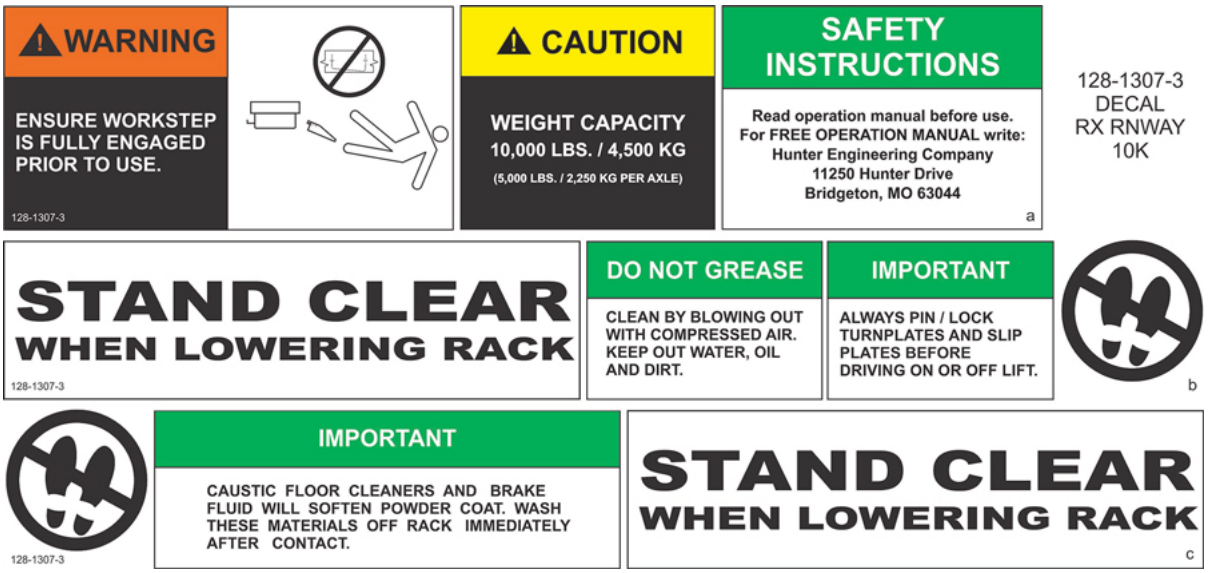
Appendix A. Images Cross Reference

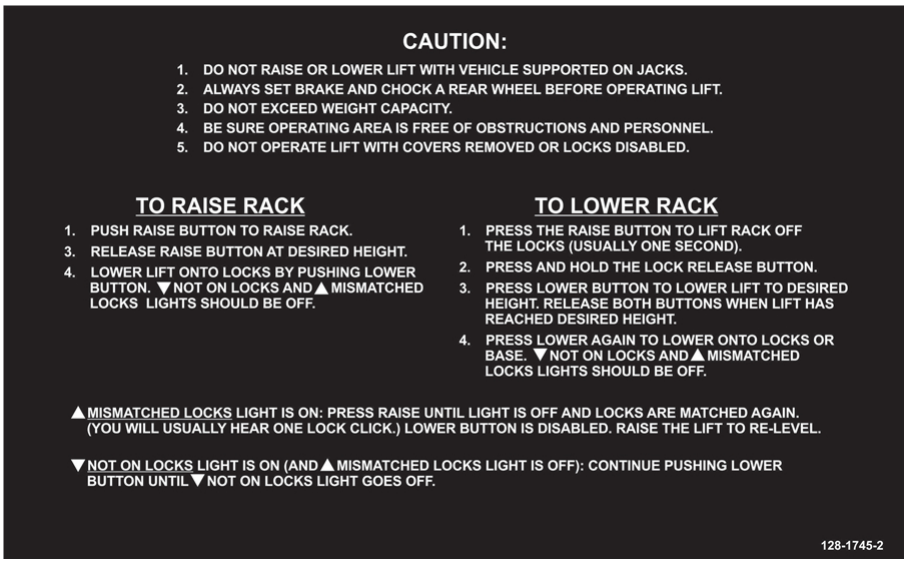
1. Lift Decal Map

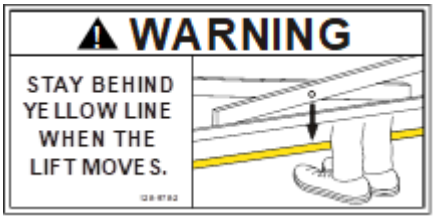


2. Turn Plate Decals

3. Center Area Runway Decals







Non-Incendive Circuits

Provides non-incendive circuit extensions for use in Class 1, Division 2, Group D, T4 or Class 1, Zone 2, Group IIA Hazardous (Classified) Locations when connected per Panel Control Drawing No. 220-45. 128-1179-2

Intrinsically Safe Circuits

Provides intrinsically safe circuit extensions for use in Class 1, Groups D, Hazardous (Classified) Locations when connected per Panel Control Drawing No. 220-44. 128-1167-2

CAUTION TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER - SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

SAFETY INSTRUCTIONS

If attachments, accessories or configuration modifying components that are located in the load path, affect operation of the lift, affect the lift electrical listing or affect intended vehicle accommodation are used on this lift and, if they are not certified for use on this lift, then the certification of this lift shall become null and void. Contact the participant for information pertaining to certified attachments, accessories or configuration modifying components.

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maximaler Anschlussdruck: 6 bar

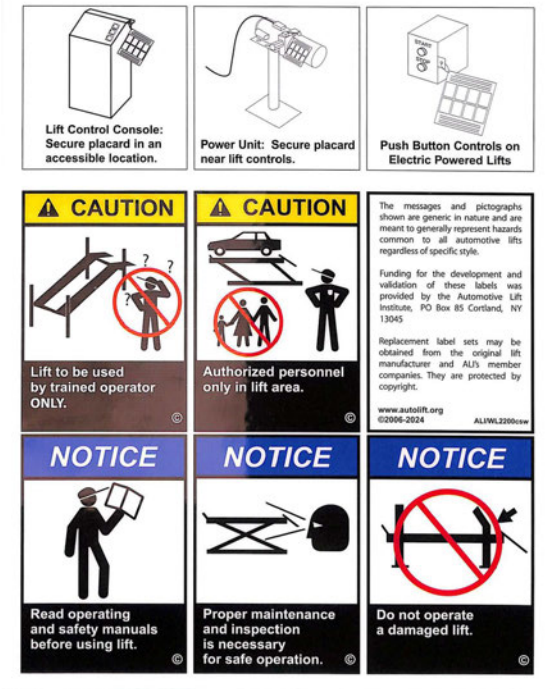
128-975-2

SAFETY WARNING LABELS FOR WHEEL ENGAGING SURFACE LIFTS

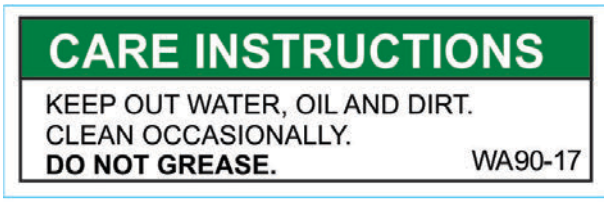
Lift Owner/User Responsibilities:

A. This Safety Warning placard **SHALL** be displayed in a conspicuous location in the lift area.
B. Use one of the mounting arrangements illustrated on back of this placard.
C. These Safety Warning labels supplement other documents supplied with the lift.
D. Be certain all lift operators read and understand these labels, operating instructions and other safety related information supplied with the lift.

TYPICAL PLACARD LOCATIONS

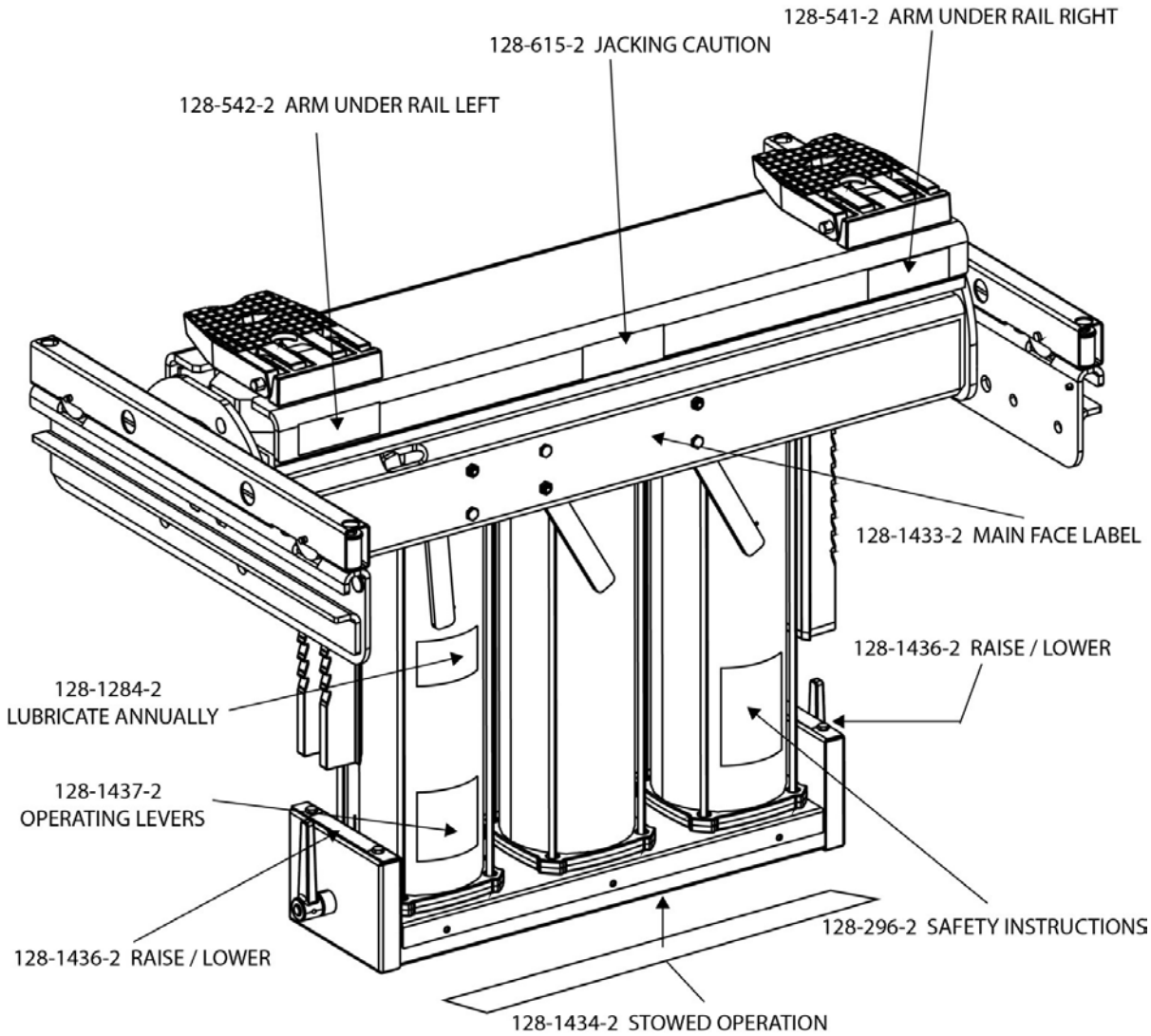


4. Turnplate Warnings

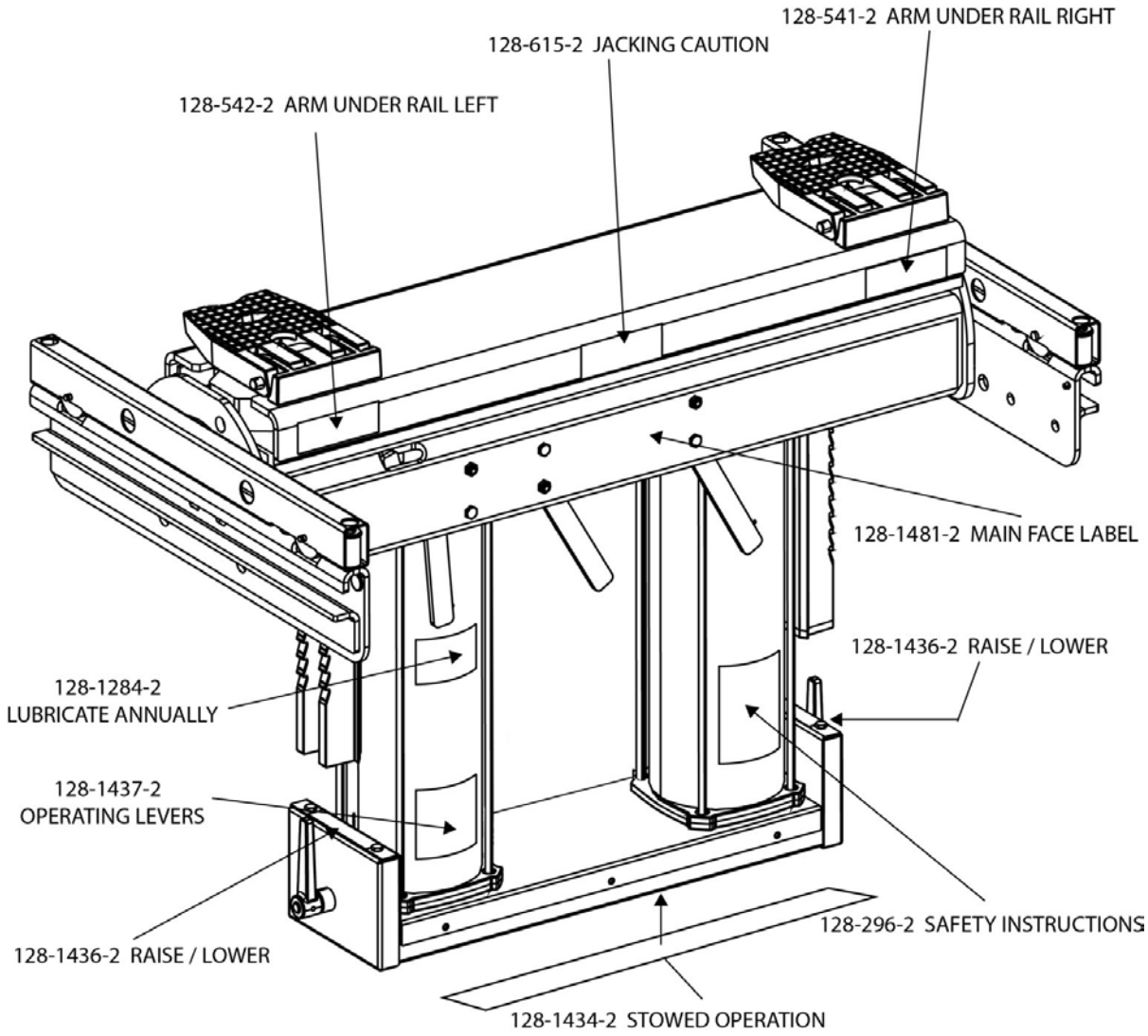


5. Jack Decal Locations

-- 9,000 lbs. jack --



-- 6,000 lbs. jack --



6. Jack Decals

SAFETY INSTRUCTIONS

CHOCK front and rear of both left wheels before raising vehicle.

SECURE JACK in vertical position before raising vehicle. Ensure pivot release pins are fully engaged.

JACK MUST BE lowered onto locks after height change.

DO NOT OPERATE lift while vehicle is supported on jacks.

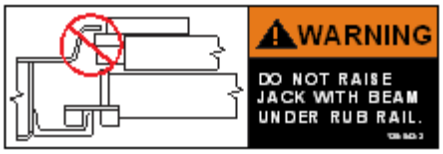
DO NOT EXCEED rated capacity of jack.

DO NOT EXCEED rated capacity of lift.

READ OPERATION MANUAL before use.
For FREE OPERATION MANUAL write:

Hunter Engineering Company
11250 Hunter Drive
Bridgeton, MO. 63044

128-296-2



LUBRICATE ANNUALLY

Swing jack to vertical position. Fully extend jack. Inject 1 or 2 shots of grease into cylinders (use Hunter tool # 145-420-2 or similar) and all other fittings. Oil all moving parts.

128-1284-2

OPERATING LEVERS

R.H. LEVER is pivot release lever. Operate only when jack is fully retracted.

LONG L.H. LEVER is lock release lever. Raise weight off locks before releasing.

SHORT L.H. LEVER is lock engaging lever. Raise lever to enable locks.

LEVERS AT SIDES are jack height controls.

128-325-2

8. Hunter's 3-Year Warranty

January 1, 2021

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.

The Details

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.

How do I submit a claim?

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.

Can I transfer my warranty?

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:

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

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