INSTALLATION & MAINTENANCE MANUAL FOR C.H.S.S.I. TWO-POST "CL 10,000 OHA" VEHICLE LIFT!

(10,000 POUND MAXIMUM CAPACITY)

(Catalog Number: 5/18/2006 CL 10,000 OHA)

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READ THIS BEFORE INSTALLING THE LIFT

Improper installation can cause injury or damage!

- <u>Read this installation and operation manual in its entirety before attempting</u> to install the lift. Manufacturer or Distributor assumes no responsibility for loss or damage of any kind, expressed or implied, resulting from improper installation or use of this lift. Always use professional installation companies.
- 2. All persons using this equipment must be responsible, qualified, and carefully follow the operation and safety guidelines contained in this manual.
- 3. A level floor is required for proper lift installation and operation.
- 4. <u>DO NOT</u> install this lift on any asphalt surface. <u>Only on concrete surface</u> a minimum of 4" thick and 3,500 psi tensile strength with steel or fiber mesh reinforcement.
- 5. **<u>DO NOT</u>** install this lift over concrete expansion joints or cracks. (Check with your building architect.)
- 6. <u>**DO NOT**</u> install this lift on an upper floor without written authorization from your building architect. Should only be installed on basement floor.
- 7. <u>**DO NOT**</u> attempt to lift only part of a vehicle. This lift is intended to raise the <u>entire body</u> of a vehicle only. This will bend the arms and void the warranty.
- 8. **<u>DO NOT</u>** attempt to use the overhead beam to lift engines, or any other parts out of a vehicle. Doing so will bend the overhead beam and void the warranty.
- 9. **NEVER lift any persons or vehicles containing persons.** This lift is designed to lift empty vehicles only.

TOOLS FOR INSTALLATION

Concrete Rotary Hammer Drill with 3/4 inch Carbide Bit
Rubber Hammer
Chalk line
Sockets and Open End Wrenches
Ratchet Driver
Vice Grips
Measuring Tape
Screwdrivers
Torque Wrench
Step Ladder
Crain or Other Method to Raise Overhead Beam
4 Foot Bubble Level
12 Inch Crescent Wrench
AW32 Non-Foaming Hydraulic Fluid (4 gallons)

LIFT & BOLT BOX CONTENTS

QTY

PART DESCRIPTIONS

- 1 Power Unit Hydraulic Fitting Straight Thread O-Ring Branch Tee C5715 X 6
- 1 Overhead Safety Limit Switch (250V 5A) Blue & Yellow & 4 Screws
- 2 Over Head Safety Cable Clevis Screw 4 Flat Washers, 3 Lock washers 1 Nut (Sometimes Not Used)
- 6 Column Hydraulic Hose Clamps With 6, ¼ Screws
- 10 Anchor Bolt 3/4 x 5 1/2" With Flat Washers & Nuts
- 9 1/2 Bolts x 1 1/2 Long For Overhead Cross Beam For Mounting To Column Extensions
- 1 Extension Hydraulic Fitting (Extra Sometimes Not Used)
- 4 5/16 x 1" Mounting Bolts For Hyd. Power Unit, W/ 2 Flat Washers, 1 Lock Washer & 1 nut
- 2 Rubber Grommets For Hydraulic Hose To Run Through For Extensions
- 4 Arm Pins 1 ½ x 7 1/16 Long
- 1 Hydraulic Hose Long
- 1 Hydraulic Hose Short
- Black Truck Adapters Screw Up Style 2" Diam. x 6 ¼ Long End To End
- 4 Carriage Lift Arms
- 2 Lock Handle With Ball For Arm Restraints (Sometimes Already Mounted on Carriage)
- 1 Hydraulic Power Unit 220 Volt / 30 AMP Breaker w/ Manual Release Handle CHSSIMRH220V
- 1 Overhead Safety Bar Padding For Shut Off Bar Approx. 6' 6"
- 1 Overhead Safety Bar Approx. 7/8 x 93
- 1 Overhead Safety Bar Wire To Wire Safety Switch To Power Unit Circuit Approx 11' 8"
- 2 3/8 x 33' 8 ½ Inch Wire Rope Equalizer Cables (Sometimes Already Attached To Carriages) W/ 5/8 Threads On 6" Long W/ 8, 5/8 Nuts & 4, 5/8 Flat Washers
- 1 Short 65.5" x 3/8 Hydraulic Hose W/ Female JIC #6 Straight Fittings
- 1 Long 28' 6" x 3/8 Hydraulic Hose W/ Female JIC #6 Straight Fittings
- 2 32" Top Column Extensions (Bolted Upside Down Inside Each Column W/ Pulleys Attached)
- 1 (A) Top Overhead Cross Beam Approx. 61 ³/₄ Long
- 1 (B) Top Overhead Cross Beam Approx. 58" Long
- 2 Columns 9' 3" Tall



INSTALLATION & OPERATION MANUAL

Your lift is designed for many years of trouble-free service when properly installed. Please take the time to read this Installation Manual before proceeding.

INSTALLATION TIPS

This lift is built from very heavy metal parts. Use proper lifting techniques when lifting individual pieces. Use plenty of help when moving lift pieces. It is a good idea to wear work gloves to protect your hands.

This lift is designed to be installed on a minimum of 4" thick, 3500 psi, wire or fiberglass reinforced concrete. Do not install this lift on asphalt, wood, or any other surface other than described. A level surface is recommended.

Do not install this lift over expansion joints or cracks. Check with qualified engineer or architect. Do not install lift over a basement or on any level other than ground level (i.e. second floor) without written authorization from a building engineer or architect.

Improper installation can cause damage or injury. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied, resulting from improper installation or use of this product. Read this installation manual in its entirety before attempting to install this lift.

LIFT STRUCTURE INSTALLATION

Determine where the lift is to be installed. Make sure there is enough room in front, behind, above and on the sides of the lift. See (**FIGURE 1**) for proper dimensions. Layout with a chalk line your concrete floor to the proper layout you want and check for proper clearances.

Remove any loose Cables, Hoses, Part Boxes, Hydraulic Power Unit, etc. if they are inside the columns or banded to the columns.

Remove the power unit box, four swing arms from the lift. Next remove the bolts holding the two columns together. Remove the top column from the bottom Column out of the shipping crate and discard the steel.



Unbolt the 4 bolts at the end of each column and slide the overhead extensions out of the columns. Turn the extensions 180 degree and rebolt the extension to the top of each column where you just unbolted them. Place the opening of the extension to the inside just like the carriage opening. There are 2 rubber grommets for the hydraulic hose to pass through in the parts box. Install them in the top of each extension where the cut out area is.

Stand up the power unit column (the one with the power unit bracket welded on it) and position it inside the chalked lines to your chalked out dimensions. It is recommended that this column be placed on the passenger side of the car, but it can go on the driver's side if desired. Keep in mind this is the post where your main electrical power supply will be connected and your hydraulic power unit is attached. The column should face straight toward the other column.

Stand up the other column just opposite the main power unit column inside the chalk lines as shown as you see it in (**FIGURE 1**) to your dimensions. Using a tape measure, measure from the back corner to the back corner of the base to ensure the columns are square to each other. Adjust as necessary to obtain best fit and still provide good passage.

Now drill 5 holes in for 1 column and place the anchors as you go in the holes. Do not tighten anchor bolts at this time. Hammer drill all the way through the cement floor.

Using a level check the 1 column to insure it is level side-to-side and front to back. Anchor the column using the 5, $\frac{3}{4}$ " X 5 $\frac{1}{2}$ " anchors that are provided. If shimming is required in leveling the columns, keep the shims as close to the anchors as possible by using shim stock. Tighten the anchors 75ft. lbs. **Do not use an air impact or over tighten!**

Now bolt the 2 piece overhead cross bar together on the floor and assemble the overhead safety shut off bar and switch as necessary to the overhead bar see (**FIGURE 2**). Using a helper lift the overhead assembly to the top of the column extensions and bolt the overhead to the top of the extensions on each side with the opening of the overhead cross bar facing upward to enable you to run the cables and the hydraulic hose through the cross bar at the top without allowing the hose to rub against the cables.

After completing this level the 2nd column and shim, as necessary. Drill the other 5 anchor holes as you did the 1st column and tighten the anchors to 75ft. lbs. **Do not use an air impact or over tighten!** Manually lift both carriages on each column about waist high. Let the carriages down allowing them to set on the lift safety lock stops. Make sure they are at the same height and on the safety lock stops. **Check to insure the cylinders are properly seated into the cylinder hole in the base plate. If they are properly seated the round part of the cylinder will be setting down on the steel flat and flush.**

If the equalizer cables are not attached to the lift carriages do the following: Take the 3/8" X 33' 8 1/2" equalizer cables and place a 3/4" SAE flat washer over the threads and onto the cable. Using vise grips and a socket tighten the cable nut half way down the threads.

See (FIGURE 3) for proper cable routing.

Tighten the nuts on the threads until the proper slack is out of the cables much like a banjo string or a fan belt.

EXTENSIONS & OVERHEAD BEAM ASSEMBLY



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CL 10,000 OHA EQULIZER CABLE CONFIGURATION DIAGRAM



FIGURE 3

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CONNECTING POWER UNIT & HYDRAULIC HOSES

Using the four 5/16" X 1" bolts mount the power unit to the main side column. Install the TEE fitting with o-ring end going into the power unit in the hole that is stamped "P" (For Pressure).

Connect the 3/8" x $65 \frac{1}{2}$ " SHORT hydraulic hose to the bottom of the tee fitting and run the hose down the side of the column and connect it to the end of the 90-degree elbow at the bottom of column. Do not over tighten, as you will crack the fitting. Secure the hose to the column by using one of the 6 hose clamps and screws that is in your parts box.

Connect the 3/8" x 28' 6" LONG hydraulic hose to the driver's side hydraulic fitting at the bottom of the column hydraulic cylinder outside the column. Run the hose up the column and through the rubber grommet that is in your parts box (you should have already installed the rubber grommet into the overhead cross beam for the hose to run through). Run the hose across the cross beam going through the round welded guides. Go across the entire overhead through the rubber Grommet on the Power unit side and down to the Tee fitting at the power unit and tighten the fitting. Secure the hydraulic hose with the screws & hose clamps provided on both sides of the columns.

See (FIGURE 5) for hose layout and routing the Power Unit.

INSTALLING SWING ARMS

Locate the 4 swing arms and swing arm pins. The pins are in the misc. parts box. Take one of the arms and insert it over the hole in the carriage torsion tube. Line up the holes and insert the pin. Repeat for the three other arms. Asymmetrical lift; owners the short arm with the crook in it goes closest to the front of the vehicle as your pulling into the lift.

ELECTRICAL CONNECTION

IT IS BEST TO HAVE A QUALIFIED ELECTRICIAN HOOK THE MAIN ELECTRICAL POWER CONNECTION TO THE POWER UNIT AND THE OVERHEAD SAFETY CUT OFF BAR SWITCH. FOLLOW LOCAL CODES IN YOUR AREA.

The electricity is to be hooked up at the power unit. There are 2 wires inside the electrical box on the motor. Make a connection with the 2 loose wires inside the motor box with 2 wires from your main power supply to the lift. The power supply to the lift should be 220 Volt with a 30 amp breaker. Attach the ground wire to the back of the box with the screw if it is not connected. This is a 220-volt power unit. Green is usually the ground wire. Wire the overhead safety bar cut off switch in a series so when the switch is activated it will shoul down the power to the hydraulic motor when you are raising a vehicle.

See (FIGURE 4) for electrical connections.

<u>NOTE:</u> Power Unit Wiring (Choose One)

1. If You Have The Power Unit With The Clear Tank Use Wiring Diagram 1.

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<u>CL 10,000 OHA HOSE ROUTING & POWER UNIT</u> <u>MOUNTING</u>



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FIGURE 5

HYDRAULIC FLUID

In some cases remove the Red or Black hex head plug from the tank at the top where you are going to fill the tank with fluid. Remove the black vent cap from the bottom of the tank as this is just screwed into a blind hole. It will not leak out any oil that you may put in the tank. Now, screw the Red or Black plug into the bottom of the tank where you just removed the black vent cap. Put the vented plug in the top after filling with oil. Place a funnel into fill hole and fill the tank with one of the following fluids as below. When the oil is about 1 inch from the bottom of the hole that is your full mark. Refill the tank after running the lift up and down a few times to bleed out the air from the cylinders and hoses. There is no bleeding procedure except for running the lift up and down 3 times. Do not fill the tank with the lift up as you will overfill the tank and it will discharge out when you lower the lift. Only top off tank with lift carriages on the floor

When filling the Hydraulic Tank use the following fluids.

- AW 32 Hydraulic Oil
- Dexron III Automatic Transmission Fluid

This tank will hold approximately 16 quarts or 4 gallons when filled 1 inch below the vent plug.

ADJUSTING CABLES

Place a pair of small or medium vise grips around the shoulder of the long threaded adjusting bolt on the cable to make any adjustments.

Use a deep socket to adjust the slack out of the cable. Adjust tension to cables equally. **Do not over tighten. Note: If one of the cables is tighter than the other the carriage will go up uneven**. These should be tightened like a Banjo String or Fan Belt.

ADJUSTING & SYNCHRONIZING THE CARRIAGES

One of the most important things to remember is not to tighten down one side more than the other. The key is to tighten one side a half dozen turns then the opposite side a half dozen turns. After getting both cables equally tight (YOU SHOULD BE ABLE TO MOVE THE CABLES ABOUT AN INCH BACK AND FORTH WITH SLIGHT PRESSURE LIKE A FAN BELT OR A BANJO STRING) raise the lift all the way up by pressing the up button on the power unit. Do not bottom the lift out at the top by holding down on the switch.

Raise the lift off the locks by pushing the power button, this will enable you to pull each release cable ring located at the bottom of both carriages. See (**FIGURE 6**). Pull down on the lowering valve handle on the power unit and lower the lift all the way to the floor. Raise the lift again and listen for the clicking of the safety locks in each post. Determine which side is slower and tighten the adjusting bolt on the opposite side carriage. Remember to only tighten a few turns at

a time until the locks click at the same time when raising the lift. Cycle the lift up and down and listen to the safety latches clicking and make the proper adjustment. Adjust until the carriages are with-in a ¹/₄" of each other or the clicks are almost at the same time with each side. When cables are adjusted properly they should be fairly tight.



FINAL ASSEMBLY

Check all bolts and nuts to make sure they are tight. Do not use an impact on concrete anchors. Check all fittings for leaks. If necessary make sure the arm lock restraints are engaging properly and smoothly. If not, tap the main lock forward or backward as needed with a rubber mallet to insure proper engagement on all 4 gears with the arm restraint locks.

Cycle lift up and down to insure carriages are synchronized.

Place a vehicle on the lift and raise until swivel pads are in contact with the frame of the vehicle. Raise the vehicle up about 3 feet and lower until the tires touch the floor. Keep raising and lowering the vehicle increasing the height each time until the vehicle is completely to the top. This procedure pumps all the air from the system. Now the lift is ready for use.

OPERATION

- a) Center vehicle left and right between the posts.
- b) Position the swivel pads under frame of vehicle at the proper lifting points.
- c) Push the up button and raise the lift until the swivel pads make contact with lifting points.
- d) Check all swivel pads to make certain all adapters are making full and proper contact.
- e) Raise vehicle approximately 2 feet and check the stability by rocking the vehicle from the bumper.
- f) Raise vehicle to the desired height and lower on to the locking device. Never leave the vehicle suspended off the locks.
- g) To lower, raise the lift off the locks by 2" then pull the lock release cable ring on each carriage downward releasing the lock release and lower slowly.
- h) After lowering, rotate the swing arms back out of the way.

MAINTENANCE

Lubrication:

Lubricate all nylon wear block corners inside each post with heavy duty bearing grease once every six months.

Lubricate chains every six months.

Anchor Bolts:

During first week of use, check anchors daily. Do not use an impact wrench. After first week, check once a month for the first six months. Tighten as necessary.

Concrete:

Check concrete for stress cracks daily for the first two weeks of use as a precaution. Thereafter, check monthly. **Check all bolts and nuts every six months.**

Hydraulic Oil:

If your lift will raise all the way to the top the hydraulic tank is full of Hydraulic Oil. The hydraulic oil should be changed once a year, along with cleaning the suction filter.

SAFETY LATCH ADJUSTMENT

Do not make any adjustments on the lift or the cables.

If the safety latch in either column does not operate, use the following procedure to adjust it.

Raise the lift until you can see the latch through the access hole in side of the column by removing the 2 screws and the cover.

Do not set lift on safety latch for this adjustment. Allow the hydraulic system to hold the lift up during this adjustment. Do not have a vehicle on the lift during this time.

Pull the latch forward with a screwdriver.

If the latch, is not working during ascent, tighten the adjustment bolt one full turn and test the latch and follow this procedure until the latch operates.

If the latch, is not working during descent, loosen the adjustment bolt one full turn and test the latch and follow this procedure until the latch operates.

Latch and or cable adjustments are normal maintenance and are not a warranty items.

AUTOMOTIVE LIFT SAFETY TIPS

POST THESE SAFETY TIPS WHERE THEY WILL BE A CONSTANT REMINDER TO YOUR LIFT OPERATOR. FOR INFORMATION SPECIFIC TO THE LIFT, ALWAYS REFER TO THE LIFT MANUFACTURER'S MANUAL, YOUR DEALER, OR INSTALLER.

Inspect your lift daily. Never operate the lift if it malfunctions or if it has broken or damaged parts. Repairs should be made with original equipment parts.

Operating controls & safeties are designed to close when released. Do not block them open or override them at any time.

Never overload your lift. Manufacturer's rated capacity is shown on the serial # tag affixed to the lift above the power unit.

Only trained and authorized personnel should do positioning of vehicle(s) and operation of the lifts.

Never raise vehicle with anyone inside it. Customer or by-standers should not be in the lift area during operation.

Always keep lift area free of obstructions, grease, oil, trash and other debris.

Before driving vehicle over lift, position arms and supports to provide unobstructed clearance. Do not hit or run over lift arms, adapter, or axle supports. This could damage lift or vehicle.

Load the vehicle on lift carefully. Position the lift supports to contact at the vehicle manufacturers recommended lifting points. Raise the lift until supports contact the vehicle. Check supports for secure contact with the vehicle. Raise the lift to desired working height. **CAUTION:** If you are working under vehicle, lift should be raised high enough for locking devise to be engaged. Always set the lift down on the safety locks while your using the lift.

Note that with some vehicles, the removal (or installation) of components may cause a critical shift in the center of gravity and result in raised vehicle stability. Refer to the vehicle manufacturer's service manual for recommended procedures when vehicle components are removed.

Before lowering lift, be sure tool trays, stands, jacks, etc. are removed from under vehicle. Raise the vehicle off the locking devices before attempting to lower the lift and pull the safety lock rings under each carriage.

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Before removing vehicle from lift area, position lift arms and supports to provide a safe unobstructed exit.

NOTE: IT IS THE CUSTOMER'S OR THE END USER'S RESPONSIBILITY TO MAINTAIN THE PROPER TENSON ON THE EQUALIZER OR OVERHEAD SAFETY RELEASE CABLES. ASKING A QUALIFIED LIFT TECHANICAN TO RETURN IN THE FUTURE TO MAINTAIN THE CABLE ADJUSTMENTS AFTER THE LIFT IS INSTALLED WOULD NOT BE A WARRANTY FOR THE ADJUSTMENTS.

IF AT ANY TIME YOU'RE NOT SURE OF THE SAFE OPERATION OF THE LIFT, DISCONTINUE USING IT AND CALL YOUR DISTRIBUTOR FOR ASSISTANCE.

TESTING AND ADJUSTING LIFT

With the power properly hooked up and hydraulic oil in the pump reservoir push the push button on the side of the motor to raise the carriages off the locks. Release the push button and then pull the lock release cable under each carriage to release the locks. Run the lift all the way up and down two more times to bleed all the air from the system.

While running the lift, listen to the safeties clicking. Each side should click simultaneously or with-in a ½ second of each other. If they are not clicking together, then adjust the cables to compensate by tightening the side opposite the one that is clicking last at the cable bolt at the top of the carriage on the same side.

Remember not to over tighten cables---they should be firm, much like a banjo string or a fan belt in a car.

GENERAL SAFETY INSTRUCTIONS

- ALWAYS make sure the lift is on the Locks before going under the vehicle.
- NEVER allow anyone to go under the lift when raising or lowering.
- Care must be taken as burns can occur from touching hot parts.
- Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged until a qualified serviceman has examined it.
- To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids.
- Adequate ventilation should be provided when working on internal combustion engines.
- Keep hair, loose clothing, fingers, and all parts of the body away from moving parts.
- To reduce the risk of electrical shock, do not use on wet surfaces or expose to rain.
- Use only as described in this manual.
- Use only manufacturer's recommended parts.
- ALWAYS WEAR SAFETY GLASSES.
- NEVER allow unauthorized personnel to operate lift.
- ALWAYS know the gross weight of vehicle.
- NEVER EXCEED CAPACITY OF LIFT. (10,000 LBS)
- NEVER use the lift to raise one end or one side of vehicle.
- ALWAYS keep unqualified people away from area while loading, unloading, raising, or lowering the lift.
- NEVER allow anyone to ride in the vehicle while raising, or lowering the lift.
- ALWAYS keep the area clean and free of water grease, and oil,
- ALWAYS remove wheel chocks, tools, hoses, etc. before loading, unloading, raising, or lowering the lift.

LIFT OPERATING INSTRUCTIONS

Swing the front arms to the front and the rear arms to the rear. Once arms are in position, pull a car into the bay. A general rule of thumb is to stop the car with the center of the wheelbase even with the center of the columns. Swing the four arms under the vehicle and position the pads under the appropriate lifting points. (If you are not sure of the proper lifting points, you should check the vehicle's service manual or contact the vehicle manufacturer).

Adjust the screw pads so they all hit their lifting points at the same time. This will allow the car to be level when rising. With the pads in their proper locations and no obstructions around the lift or vehicle, you may now press the green button on the power unit to raise the vehicle.

Raise the vehicle so that the tires are 6 inches off the ground. Walk to the back of the vehicle and push up and down on the bumper. The vehicle will rock, but should not at any time lose contact with the swivel pads. If the vehicle is bouncing off the pads or feels at all unstable, you should lower it back to the ground and reposition the arms & pads to balance the load. Repeat this process until the vehicle is completely stable. When the vehicle is stable, you many raise the lift all the way to the top. Listen to safeties clicking and adjust if necessary.

THE PROPER OPERATION OF THE LIFT REQUIRES THAT ANY TIME YOU RAISE A VEHICLE TO WORK ON IT, YOU MUST LOWER THE LIFT ONTO THE SAFETY

LOCKS. This is done by raising the vehicle to the desired height and lowering the lift by pressing the red lowering button until the arms stop on the next available lock.

To lower the vehicle, you must first raise the lift off of the locks using the green button. Then engage and hold the lowering handle until the lift is on the ground.

<u>NEVER WORK UNDER OR NEAR THIS LIFT WITHOUT THE LOCKS BEING</u> <u>ENGAGED. THE POWER UNIT IS NOT DESIGNED TO BE A LOAD-HOLDING</u> <u>DEVICE. NOT USING THE LOCKS WILL RESULT IN A PREMATURE FAILURE OF</u> <u>THE CYLINDERS, PUMP AND/OR CABLES AND CAN CAUSE SERIOUS</u> <u>PROPERTY DAMAGE OR PERSONAL INJURY! FAILURE TO HEED THIS</u> <u>WARNING WILL RESULT IN IMMEDIATE TERMINATION OF YOUR WARRANTY.</u>

MAINTENANCE SCHEDULE

The following periodic maintenance is the suggested minimum requirements and minimum intervals; accumulated hours or monthly period, which ever comes sooner. If you hear a noise or see any indication of possible failure - cease operation immediately and inspect, correct and/or replace parts as required. Following these maintenance procedures is the key to prolonging the useful life of your lift.

IF AT ANY TIME YOU'RE NOT SURE OF THE SAFE OPERATION OF THE LIFT, DISCONTINUE USING IT AND CALL YOUR DISTRIBUTOR FOR ASSISTANCE.

WARNING: OSHA AND ANSI REQUIRE USERS TO INSPECT LIFTING EQUIPMENT AT THE START OF EVERY SHIFT. THESE AND OTHER PERIODIC INSPECTIONS ARE THE RESPONSIBILITY OF THE USER.

DAILY PRE-OPERATION CHECK

The user should at least perform the following checks daily.

- Daily check of safety latch system is very important the discovery of device failure could save you from expensive property damage, lost production time, serious personal injury and even death.
- Check safety latches for free movement and full engagement with rack.
- Check hydraulic connections, and hoses for leakage.
- Check snap rings at all rollers, sheaves and on all screw up pads.
- Check bolts, nuts, and screws and tighten.
- Check wiring & switches for damage.
- ✤ Keep base plate free of dirt, grease or any other corrosive substances.
- Check for stress cracks in the concrete floor near the anchor bolts which, if present, could cause the anchor bolts to loosen and pull out of the floor.
- Check Cables: Cables keep both sides of the lift running equally allowing the safeties to catch together. If one side of your lift is running ahead of the other, most likely it is time to adjust your cables. Follow this simple procedure.

CL 10,000 OHA TROUBLE SHOOTING

<u>TROUBLE :</u> Pump/ Motor does not start.	CAUSE: Improper electrical hook up Blown fuse Pump binding or stuck Motor thermal overload tripped Thermal overload in starter box Tripped	SOLUTION: Rewire Replace fuse Remove (flush) or replace Let Cool 30 sec. Push button reset Replace switch Call Electrician		
Pump/Motor operates but has no pressure.	Wrong rotation of motor	Rewire		
Pump/Motor operate low flow and/or low pressure (in raise mode.) (in pressure mode)	Clogged inlet strainer (cracking noise) Relief valve leaking dirt on seat Release valve leaking Dirt on seat Release stem out of adjustment O-ring missing or cut Relief valve setting too low	Clean strainer in solvent Flush seat or ball seat again Flush seat Re-adjust stem setting Replace o-ring Replace		
Pump/Motor operates but does not hold system	Fitting loose Check valve leaking Dirt on seat Release stem out of adjustment O-ring missing or cut	Tighten or replace fitting Flush seat Re-adjust stem setting Replace o-ring Replace Motor		
Failure to lower	Sticking release valves stem, or out of adjustment	Replace stem and/or cartridge Re-adjust stem setting		
Air in oil	Loose inlet connection or low oil level Leaky or blown oil seals in pump Siphon check does not seat	Tighten connection Add oil Replace oil seat Replace		
Motor does not run when energized	Breaker thrown or fuse blown Motor thermal overload tripped Thermal overload in starter box Tripped Check micro switch Faulty wiring, connections	Reset or replace Wait for overload to cool Push button to reset Replace if necessary Call Electrician		
<i>Oil blows out the breather/</i> <i>filter port</i>	Oil overload Vehicle has been lowered too fast	Remove to ¹ / ₂ - 2/3 full Restrict lowering with Manually controlled release		
Cylinder will not lift load	Seal damage to piston Oil leaking from cylinder front	Call factory for instruction Call factory for instruction		
Oil requirements	Use AW 32 Hydraulic Oil Dexron III Automatic Transmission Fluid			
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This limited warranty is not transferable from the original retail purchaser.

No warranty exists until each piece of equipment is completely paid for. It only applies to vehicle lifts and not to any other automotive related equipment that may have been purchased from Complete Hydraulic Service & Sales, Inc.

Any hydraulic cylinder on the lift found to be defective by the manufacturer (and not from abuse) within two (2) years from the date of the original invoice will be replaced.

Power units are covered for defects in workmanship for two (2) years from date of original invoice. Any misuse of power unit will void this warranty. For power unit warranty repairs the original purchaser needs to provide the following information: (1) Date code of the power unit, (2) Serial number of the power unit, and (3) Model number. In cases of approved Power Unit replacements you will be sent a replacement power unit with a call tag. It is the original purchaser's responsibility to properly drain and box the defective unit, tag it, and call UPS to pick it up. (No charges will be billed to you for return freight for authorized repairs). Failure to follow these procedures will void the power unit warranty.

Any other lift part (other than hydraulic hoses, power units, or parts made by other manufacturers) which is found by the factory to be defective within five (5) years from the date of original invoice, and which was not found to have been abused, will be repaired or replaced (at the manufacturer's or master lift distributor's option). Defects caused by ordinary wear and tear, abuse, misuse, overloading, accident (including shipping damages), improper maintenance and alterations not approved by the manufacturer or master lift distributor are specifically excluded.

The manufacturer & master lift distributor reserves the absolute right to decline responsibility for repair work made or attempted by any company or person not associated with, or approved beforehand, by the manufacturer or master lift distributor.

WARRANTY LABOR IS NOT INCLUDED under warranty unless expressly approved by the manufacturer before the repairs are attempted or by your master lift distributor in writing.

COMPLETE HYDRAULIC SERVICE & SALES, INC. 130 Commerce Park Drive Franklin, IN 46131 (888) 736-5094 Toll Free SUCCESS IN QUALITY! (317) 738-0555 Fax

I would like to introduce you to **COMPLETE HYDRAULIC SERVICE & SALES, INC.** We are a Hydraulic Lift Company specializing in Automotive Equipment as well as many other aspects of the Hydraulic Industry as you will see in our "Sales Flyer" enclosed. This introduction comes to you as an invitation to be part of our *Special Distributor Program* in your area that will include a "Protected Territory".

We can offer you *Special Lift Prices* as a Distributor at an *UNBELIEVABLE* \$1,450.00 with a Power Unit. With this Special Pricing you will Maintain a "Protected Territory" and "FREE **FREIGHT**" to you with a 20 piece order. Please see the **CL 10,000 OHA** Lift Brochure we have enclosed detailing specifications of this particular lift or you can visit us on our website at www.completehydraulic.com. This Lift comes with a 5 Year Structural Warranty and a 2 Year Warranty on the Hydraulics and Electrical. "WOW!" We sell over 200 pieces per month of this style lift and we are looking for Distributors to increase this count to reach beyond all boundaries. Payments and Open Credit Options are based on Credit Approval. In addition, we will soon have a 2-Post Base Plate Lift, 4-Post Portable Lift, and a Motorcycle Lift that will also be at an UNBELIEVABLE low price.

At this Low Low \$1,450.00 Price, you have the opportunity to increase the Profits of your Business. I invite you to visit our Warehouse at any time or you may contact me personally for an appointment, Toll Free: (888) 736-5094, 24 hours a day, 7 days a week to discuss this program. You may also find our website helpful to familiarize yourself with our company at www.completehydraulic.com or E-Mail me @ sales@completehydraulic.com.

With a

20 pc. Order!

La

Thank You.

Randy Brown

Randy Brown / Chairman-C.E.O. Complete Hydraulic Service & Sales, Inc. **130 Commerce Park Drive** Franklin, IN 46131 **Free** Freight North American Division (888) 736-5094 Toll Free

CL 10,000 OHA

Commercial Grade Lift

(317) 736-5094 Office (317) 738-0555 Fax

Warranty Activation Form

ATTENTION: MAIL TODAY TO ACTIVATE YOUR WARRANTY !

WARRANTY IS NON-TRANSFERABLE

Company Name:				
Owner / Shop Manager:				
Address:				
Phone: ()	Fax: ()	_Cell: ()
City/State/Province/Zip:				
E-mail:				



COMPLETE HYDRAULIC SERVICE & SALES, INC. 130 COMMERCE PARK DR.

FRANKLIN, IN 46131 (317) 736-5094

MODEL NO.	
CAPACITY:	
SERIAL NO.	
DATE:	

THIS AUTOMOTIVE LIFT CONFORMS TO THE REQUIREMENTS PRESCRIBED BY ANSI B153.1-1981



Purchased From:	Purchase Date:		
Address: City: Office Phone: ()	State: Cell Phone: (Zip:	
CL 10,000 OHA	25 OF 25	Last printed 5/18/2006 10:27:00 PM	

FOLD IN HALF, TAPE TOP, APPLY STAMP & MAIL !!!

Complete Hydraulic Service & Sales, Inc. 130 Commerce Park Drive Franklin, IN. 46131 www.completehydraulic.com E-mail: <u>sales@completehydraulic.com</u> Place Stamp Here

Complete Hydraulic Service & Sales, Inc. 130 Commerce Park Drive Franklin, Indiana 46131 ATTN: Warranty Dept.