C-7000
Assembly & Operation Manual
7,000 lb. Capacity



Read entire manual before installing lift

- Do not install this lift on any surface other than concrete.
- Do not install this lift on a second level floor.
- Do not install this lift outdoors.
- Install lift on level floor only.
- Concrete must be a minimum of 4” thickness and 3,000 PSI.
- Lift is intended to lift passenger vehicles only. Cars and light trucks. This lift is not intended to lift farm equipment, RV’s, Limousines, commercial equipment, forklift, boats, trailers.
- Do not lift people or any vehicles containing persons.
- Lift only the entire vehicle using all four arms. Do not attempt to only lift part of the vehicle. Do not attempt to lift a vehicle without all four arms.
- Do not overload the capacity of the lift.
- Do not stand under or around vehicle while lift is in operation or not secure on locks. Do not enter the area of the vehicle until lift is lowered onto locks or to the floor.
- Do not raise a vehicle until installation is completed.
- Motor requires 110 Voltage and a 30 Amp Breaker.
- Always move arms and adapters out of way of vehicle before moving vehicle into or away from lift.
- Position arms to vehicle manufacturers recommended lifting points.
- Always check that lifting pads have properly and safely engaged vehicle before lifting to working height.
- Inspect lift daily. Never operate if it has been damaged or is malfunctioning.
- Never override locks or valves.
- Keep area around lift clear of obstacles
- Use safety or jack stands when removing or installing heavy parts on vehicle.
- Avoid rocking vehicle while on lift.
- Keep loose clothing, jewelry, hair away from moving lift parts.
- Do not use the lift when wet or in rain.
- Do not operate lift in the vicinity of flammable liquids.

Electrical Requirement: 110 Voltage Power, 30 Amp Breaker.

Motor Specifications:

3 Horse Power
60 HZ
110 Volt
1 Phase
3600 RPM
30 Amp

Unpack lift and check Inventory

1. 2 x Large lift posts with Carriage and cylinder installed



2. 4 x Lift arms



3. 1 x Power Unit, 110 Volt 1 x Power Unit Dolly



4. 2 x Wheels for Power Unit Dolly



5. 1 x Flow Divider



6. 1 x Short Hose 2 x Long Hose



7. 2 x Hose Hooks for Large Posts



8. 12 x Floor Mounting Hardware



9. 4 x Arm Pins



10. 4 x Lifting Pads with Metal Base



11. 3 x Set of 4 Height/Truck Adapters



12. 4 x Arm Restraints



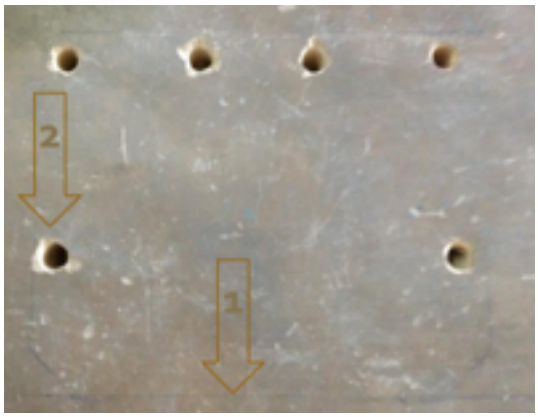
13. Hardware for mounting power unit, arm extension restraints, and top plate for posts.

If you are missing any parts or have damaged parts please call immediately for assistance.

Installation

1. Stand Large Posts up and In place. Mark holes using post as template. Drill pilot hole 3/8” to ensure proper alignment. Drill final holes 1” diameter and 4” deep. Do not drill more than 4” deep.





2. Place inserts in holes with threaded female end up.



3. Drive inserts into holes with blunt hammer.

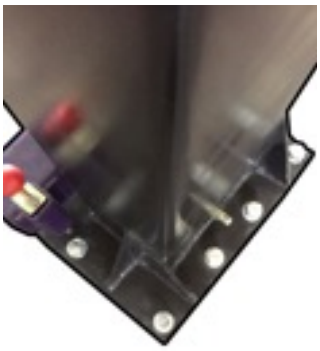


4. Expand inserts with driver to secure in hole





5. Move posts back into position over holes and insert bolts to secure posts to floor.



6. Ensure top plates are installed on posts and bolts are tightened.



7. Raise carriages in posts to working level for installing arm restraints.



8. Remove cotter pin, washer and spring from bottom of arm restraint. Please arm restraint on carriage in holder. Replace spring, washer and cotter pin on bottom of arm restraint. Nut and washer on arm restraint can be loosened and teeth adjusted to ensure proper grip of gear to gear between restraint and arm.
9. Place arms on carriage and insert arm pins to hold in place.



10. Ensure that arm restraint gear and arm gear have proper interlock and are functioning.

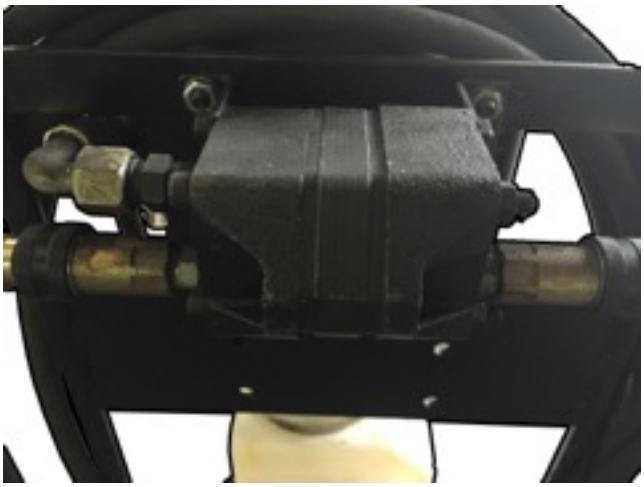


11. Install arm extension restraint bolts.



12. Mount Power unit and flow divider to dolly.



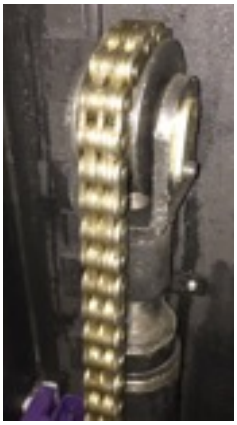


13. Connect short hose from power unit to flow divider.
14. Connect large hoses to quick disconnect and each large post.





15. Fill power unit tank with AW-32 non foaming non detergent hydraulic oil only.
16. Ensure that chain and roller are in place on top of cylinder inside column before lifting.



17. Install 110v power on plug and connect to 30 amp breaker. Your motor is 110v and must be on a 30 Amp breaker.

18. Lubricate the 4 corners inside posts with grease to ensure smooth movement of carriage.
19. Raise and lower lift 6-10 times to purge air from system before putting a vehicle on lift. Raise lift 1/4 way up then lower to ground. Raise lift 1/2 way up then lower to ground. Raise lift 3/4 way up then lower to ground. Raise lift fully then lower to ground. Repeat process until lift is raising fully and locks can be heard engaging synchronously. Let lift sit in lowered position for some time to allow air to leave fluid.

Operation and safety

1. Before lifting a vehicle please check the following.
    1. All 12 floor mount bolts are tight and there is no movement of post.
    2. Chain is properly in place over roller and cylinder.
    3. Raise Lift to first locking position and lower on to lock. The internal carriage locks engage automatically when raising the lift. You can hear a click when the lock passes each position.
    4. Check that arm restraints have proper interlock and are holding arms in position.
2. Lifting a vehicle.

Your lift comes with Bi-Symmetric Arms which allows you to configure lifting points as symmetric or asymmetric depending on type of vehicle and spacing of lift.

1. Place vehicle weight centered on lift posts. Each arm is rated to lift 25% of total capacity or 1,750 lbs.
2. Ensure 4 arm pads are installed. Install height/truck adapters if necessary to avoid damage to body of vehicle.
3. Raise lift until pads engage vehicle at vehicle manufacturer recommended lift points and stop. Check that pads are hitting proper lifting points on vehicle.
4. Check that arm locks are properly engaging the gears on the arms.
5. Raise lift until wheels of vehicle are off floor. Stop and ensure vehicle is lifting level front to back and side to side.

6. Raise vehicle to desired working height. Lower vehicle down into locked position using lowering handle. Do not go under vehicle until lowered into locked position.

Warning

- ALWAYS lower lift onto locks before going under vehicle!!!
- Do not stand under or around vehicle while lift is in operation or not secure on locks. Do not enter the area of the vehicle until lift is lowered onto locks or to the floor.
- Do not attempt to lift a vehicle if single axle weight exceeds 1/2 the lifting capacity.
- Always make sure adapters and lifting pads are secure on vehicle lifting points before going under vehicle.
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3. Lowering vehicle.
    1. Raise vehicle off locked position.
    2. Go to each post and pull lock release cable to disengage locks.



    3. Lower vehicle all the way to ground for arm restraints to disengage.
4. Safety.
    1. Never Raise or lower vehicle with any person under. around, or in vehicle.
    2. Always check that vehicle does not exceed maximum lifting capacity. Take into account 6 lbs. per gallon of fuel in vehicle. Take into

account any aftermarket additions to vehicle. Take into account an stored goods in or outside of vehicle.

3. Always lower vehicle into locked position before walking under or around vehicle.
4. Motor and Pump are not designed to start under pressure. Always lower lift to locked position before raising. Do not stop lifting and start again without lowering to locked position. Always start raising vehicle from ground or locked position.
5. Do not exceed 115” between posts when mounting.

Maintenance

Period	Instruction
Daily	Check tightness on floor anchors.
Daily	Check chain and cylinder pulley for wear.
Daily	Check cylinders and hoses for leaks. Replace or repair if needed.
Daily	Check that arm restraints are engaging properly. Adjust or replace if needed.
Monthly	Lubricate four inside corners of columns with grease.
Monthly	Lubricate carriage locks with WD-40.
Monthly	Check hydraulic fluid level with lift lowered to ground.
6 months	Check oil filter inside oil tank. Replace if needed.

Trouble Shooting

Motor Does not run	
Cause:	Solution:
Fuse is Burnt or Breaker is tripped	Replace fuse or reset circuit breaker

Motor Does not run	
Incorrect voltage to motor	Supply correct voltage to motor. You must supply full 110v or 220v depending on motor. Depending on the distance from motor to electrical source and wire gauge
Bad wiring connection	Remove front plate from motor and check that all wires are properly connected.
Up switch is defective	Remove front plate from motor and check that up switch has 2 wires connected 1 to each side.
AC contactor switch is defective	Use multimeter to check voltage into and out of AC contactor. If voltage coming out is less than voltage coming in then contactor is defective. Use screw driver to push manual actuator button at top of contactor and push up button switch at same time. If motor runs then the problem is in contactor or incorrect voltage. In this case, use multimeter to check that you have full voltage and or replace contactor.
Overhead limit switch is defective	Disconnect overhead limit switch and loop 2 wires together. If motor runs, replace overhead limit switch.
Motor wirings are burned	Replace motor

Motor makes humming sound, will not lift	
Cause:	Solution:
Starting capacitor is defective	Replace capacitor
AC contactor is defective	Use multimeter to check voltage into and out of AC contactor. If voltage coming out is less than voltage coming in then contactor is defective. Use screw driver to push manual actuator button at top of contactor and push up button switch at same time. If motor runs then the problem is in contactor or incorrect voltage. In this case, use multimeter to check that you have full voltage and or replace contactor.

Motor runs but will not lift	
Cause:	Solution:
Plugged oil filter screen	Clean or replace oil filter

Motor runs but will not lift	
Cracked or lose oil tube	Replace oil tube
Lowering valve in open position	Clean or replace lowering valve
Low oil level	Refill with AW 32 hydraulic oil
Pump defective	Replace pump

Motor runs and raises without vehicle but will not raise with vehicle	
Cause:	Solution:
Lowering valve clogged	Clean or replace lowering valve
Motor running on low voltage	Supply correct voltage to motor. You must supply full 110v or 220v depending on motor. Depending on the distance from motor to electrical source and wire gauge
Pressure valve not adjusted properly	Adjust pressure valve on block
Overloaded lift, Over weight capacity	Check vehicle weight and weight distribution on all four arms

Lift comes down slowly	
Cause:	Solution:
External hydraulic leaks	Check all hoses and connections
Lowering valve clogged	Clean or replace lowering valve
Check Valve clogged	Clean or replace check valve

Slow lifting speed, Oil bubbling and overflowing	
Cause:	Solution:
Air in oil	Repair external leaks, Replace hydraulic oil
Oil dump tube loose	Tighten oil dump tube
Oil tank overfilled	Remove hydraulic oil until line is below fill hole with lift on ground

Power unit is loud	
Cause:	Solution:
Sucking fluid and air at same time	Change oil
Power unit mounting bolts loose	Tighten mounting bolts
Coupling from motor to pump	Replace coupling between motor and pump
Clogged oil filter	Change oil filter inside oil tank

Lift going up not level	
Cause:	Solution:
Not on level floor	Shim lift posts
Distribution valve defective	Change distribution valve
Air in hydraulic system	Raise and lower lift 10 times

