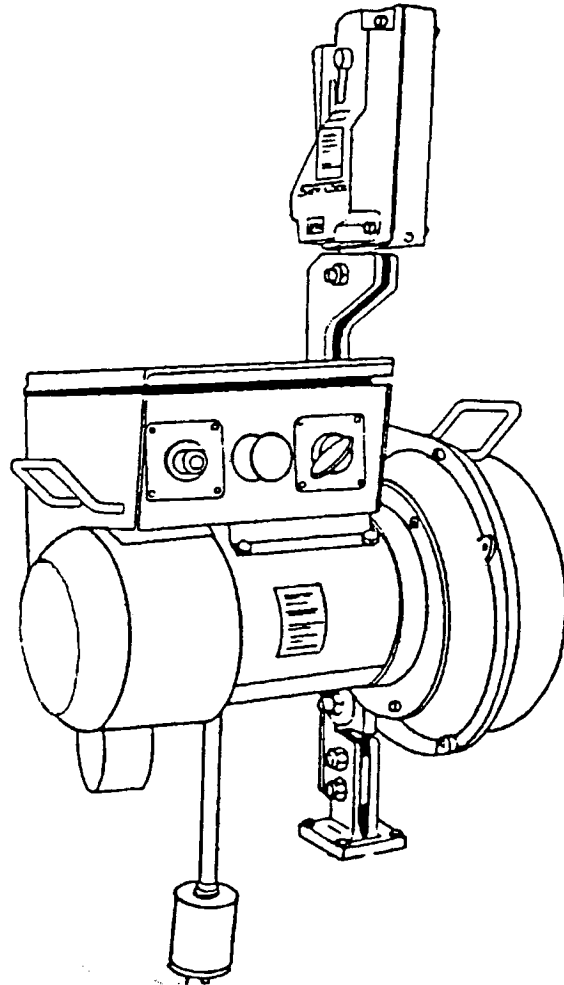


SKY CLIMBER®

TOTAL ACCESS SOLUTIONS • EXCELLENCE IN RELATIONSHIPS

OPERATOR'S INSTRUCTION MANUAL ALPHA 1000 Hoist



TO EMPLOYER AND/OR RENTAL AGENCY

It is imperative that this Manual be given to the Operator of Sky Climber equipment and that they read, fully understand, and follow all instructions contained herein.

WARNING:



Any use of this equipment other than in strict accordance with these instructions shall be at the Operator's risk and may result in serious injury to themselves or others.

REMEMBER SAFETY IS THE RESPONSIBILITY OF BOTH YOU AND THE OPERATOR.

ALPHA 1000 HOIST

OPERATOR'S INSTRUCTION MANUAL

Welcome to the ever growing group of Sky Climber Hoist Operators. This Manual will guide you through the features and operation of your Sky Climber Hoist and Sky Lock Secondary Overspeed Brake.

Sky Climber Hoists and Sky Lock Brakes are an integral part of a total Suspended Platform System made up of Rigging, Wire Rope, a Power Supply, the Platform, Fall Arrest/Safety Equipment and Accessories. Understanding the complete system, as well as Hoist operation, will help you in the safe use of a Suspended Platform.

This information is a *guide only* and is not a complete list of safety rules, installation or operations instructions.

Sky Climber Hoists, Sky Locks and Accessories are designed and manufactured to the highest standards in the industry. It is impossible, however, for Sky Climber, Inc. to know, evaluate and advise on every conceivable way our products are used or serviced and of all possible hazardous consequences.

Therefore all operators must satisfy themselves that the procedure they use will not jeopardize their safety, the safety of others or cause product or component damage.

Sky Climber, Inc. reserves the right to continually improve its products. Every effort has been made to make this Manual as accurate as possible at time of publication, however, there may be product changes which are not detailed in this Manual.

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SKY CLIMBER ALPHA 1000 HOIST

Air and Electric

SPECIFICATIONS

MODEL	ASCENT SPEED	DESCENT SPEED	WEIGHT (with Sky Lock)
220 Single Voltage-Std., 7 amp	32 ft./min	35 ft./min.	128 lbs.
220 Single Voltage-Pendant, 7 amp	32 ft./min.	35 ft./min.	128 lbs.
110-220 Dual Voltage-Std. 14/7 amp	32 ft./min.	35 ft./min.	130 lbs.
100 PSI, Air, 70 CFM	35 ft./min.	35 ft./min.	107 lbs.

	SINGLE 220 VOLT	DUAL 110-220 VOLT	AIR POWERED
Maximum Rate Capacity*	1000 lbs.	1000 lbs.	1000 lbs.
Wire Rope dia.	5/16 in.	5/16 in.	5/16 in.
Dimensions	18 in. H	18 in. H	18 in. H
	13.5 in. W	13.5 in. W	13.5 in. W
	18 in. L	18 in. L	16.5 in. L
RPM	1725	1725	1700

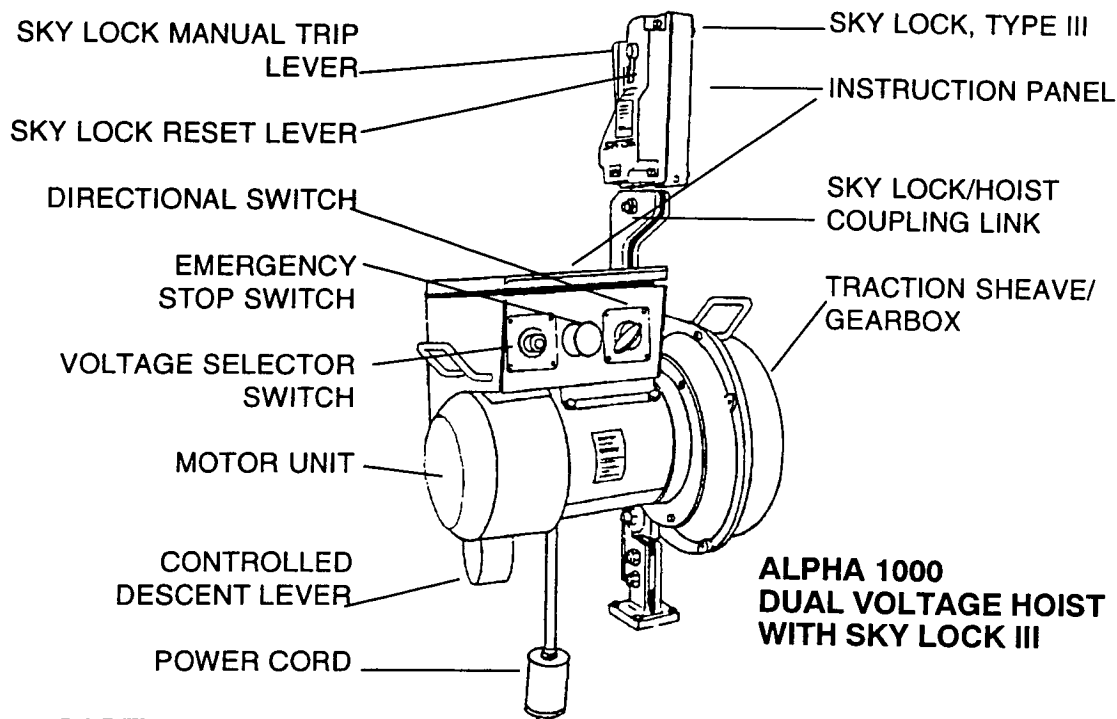
Detachable Sky Lock Type III Secondary Brake

"No Power" Emergency Controlled Descent

Meets or Exceeds OSHA requirements. U.L. Classified, CSA and MEA approved.

* Maximum Rated Capacity (MRC) is total load supported by Hoist. It includes the combined weights of the stirrup, platform, work cage, bosun chair, personnel, work tools/materials, operating accessories, power cord and wire rope. It does not include the weight of the hoist.

CHARACTERISTICS & OPERATIONS



HOIST

Voltage Selector Switch (Dual Voltage Model Only): Select proper Hoist voltage (110V or 220V) to match source voltage **BEFORE** connecting power.

Directional Switch: Switch activates and operates the Hoist. Select UP direction to move unit up. Select DOWN direction to move unit down. Release switch to cut power to motor and set primary brake.

Emergency Stop Switch (Electric Model Only): Push to stop power to Hoist and set primary brake. Turn *clockwise* to reset.

Controlled Descent Lever: *Do not use for normal lowering operations.* For non-powered descent, controlled descent lever manually releases and re-engages primary Hoist brake. Disconnect power at pigtail connection **BEFORE** using the Controlled Descent Lever.

SKY LOCK SECONDARY BRAKE



A Sky Lock Secondary Overspeed Brake safety device must be used at all times with each Sky Climber Hoist. Failure to do so is in violation of OSHA and may result in serious injury or death.

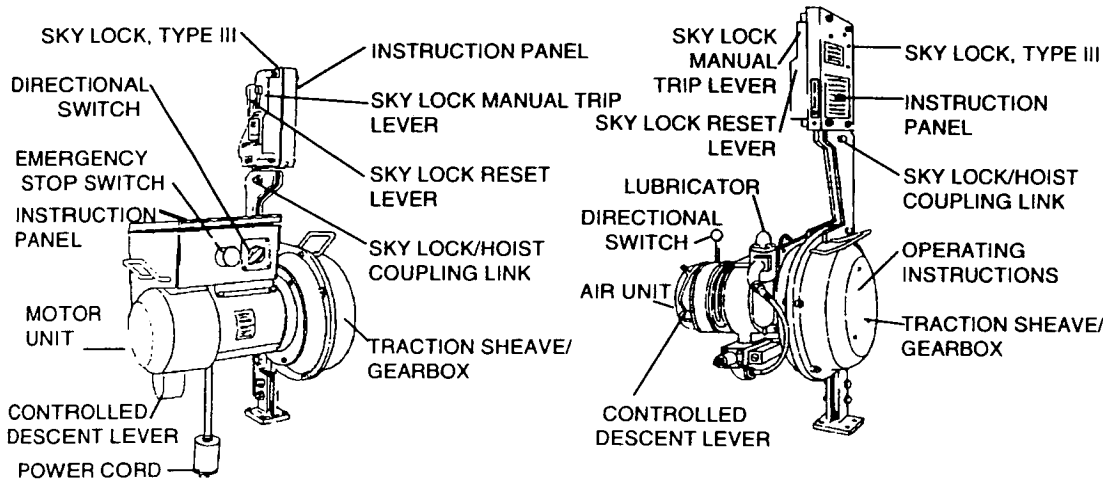
The Sky Lock senses the speed of the wire rope traveling through it. If there is sudden acceleration due to a falling condition or if the factory preset trip speed is exceeded, the Sky Lock jaws clamp onto the wire rope, arrest any descent and support the descending load. The wire rope releases only **AFTER** the Sky Lock Brake load is relieved.

Sky Lock Manual Trip Lever: Turn lever counterclockwise to clamp the Sky Lock jaws onto the wire rope.

Sky Lock Reset Lever: First use Hoist Directional Switch "UP" to move Hoist in up direction 1 inch to relieve load from Sky Lock Jaws. Turn Sky Lock Reset Lever **CLOCKWISE** to reset. *If you don't go up before resetting, the Sky Lock jaws will not open and the Sky Lock Reset Lever pin will shear. This will render the Sky Lock as useless and require factory authorized repair.*

**ALPHA 1000 ELECTRIC
SINGLE VOLTAGE HOIST
WITH SKY LOCK TYPE III**

**ALPHA 1000 AIR HOIST
WITH SKY LOCK TYPE III**



ELECTRICAL



Do Not use an electric hoist in an explosive environment.

*Secure cord to Platform so cord weight is on Platform and **NOT** on connection. At end of work shift, disconnect power cord from main outlet. Protect power cords from rain and water at all times. Ground connector of building receptacle must be grounded.*

- For 110 volt source power, use a separate line and cord for each Hoist.
- For source power less than 110 volt, (or for long drops) use a booster transformer for each Hoist.
- For 220 volt applications, use one cord in combination with a yoke to the Hoists.
- Use a yoke off Platform line with two lengths of 10-3 SOW electric cord.
- Normally a 250 ft., 600 volt, 10-3 SOW electric cord must be used.

AIR

Secure hose to Platform so weight of hose is not on unit. Install two shut off valves - one at air supply source and one on Platform.

- Use a yoke off Platform line with two equal length 3/4 in. hoses.
- Hose Inner Diameter (for 100 PSI and 70 CFM / Hoist).

Hose Inner Diameter	3/4"	1"	1 1/4"
One Unit	400 ft.	1000 ft.	1000+
Two Units - Yoked	100 ft.	300 ft.	1000+

Filtering and Lubrication

Do not connect to air systems which use synthetic fire-resistant lubricants, especially phosphate ester types, in the air compressor,

- An air filter and a lubricator are mounted in the input line ahead of the motor. Clean filter elements periodically.
- To service lubricator, remove oil fill plug, fill to visible rim of bowl with SAE No. 10 petroleum based hydraulic or spindle oil. Do not use oils with adhesive or tacky additives. Replace plug.
- Adjust oil flow to about 6 drops per minute. Turn slotted screw in top of lubricator clockwise for leaner mix or counterclockwise for richer.

SUSPENDED ACCESS INSTALLATION

GUIDELINES

Safety is of utmost importance when installing and using Suspended Platform equipment.

This section covers general guidelines. Follow your Manufacturer's Instructions for proper equipment assembly. Follow all applicable Federal, State and Local rules and regulations.

- Test your System *before* going aloft.
- Continue to check and be sure your system remains safe throughout the entire use on the job.
- Make certain there are no obstructions to the vertical Platform travel.

TOP SIDE RIGGING



*Rigging is the responsibility of the user. Do not attempt to rig a job unless you are qualified. **Failure of rigging will result in serious injury or death.***

- All rigging including cornice hooks, parapet clamps and outrigger beams must be tied back to a structural member with wire rope that is equal, or greater in ultimate strength than suspension line.
- Tie back must be tied tight to a substantial point that supports at least 4 times the rated Hoist load. Tie-back to vent pipes is not acceptable. Tie backs must be straight back and each to a separate anchor point.
- Use parapet clamps and cornice hooks **only** on steel reinforced concrete structures. Do not use on nonreinforced brick, concrete block or stone parapets because these may fail.
 - Consult a professional engineer or building owner to verify parapet construction and strength.
- Use 3/4 in. plywood under roof rigging to spread load on roof. If parapet is used for support, use hard wood for load spread.
- Rolling Roof Rig chocks, jacks or similar devices must be securely in place to prevent any lateral movement.

Counterweighted Rigging

- Outrigger beams require counterweights.
- Counterweights must be secured to the outrigger beam and of a nonflowable material.
- To calculate the needed counterweights, use the following formula:

$$CW = \frac{4 \times R \times L}{A}$$

CW = Counterweight (in lbs.) per outrigger beam.

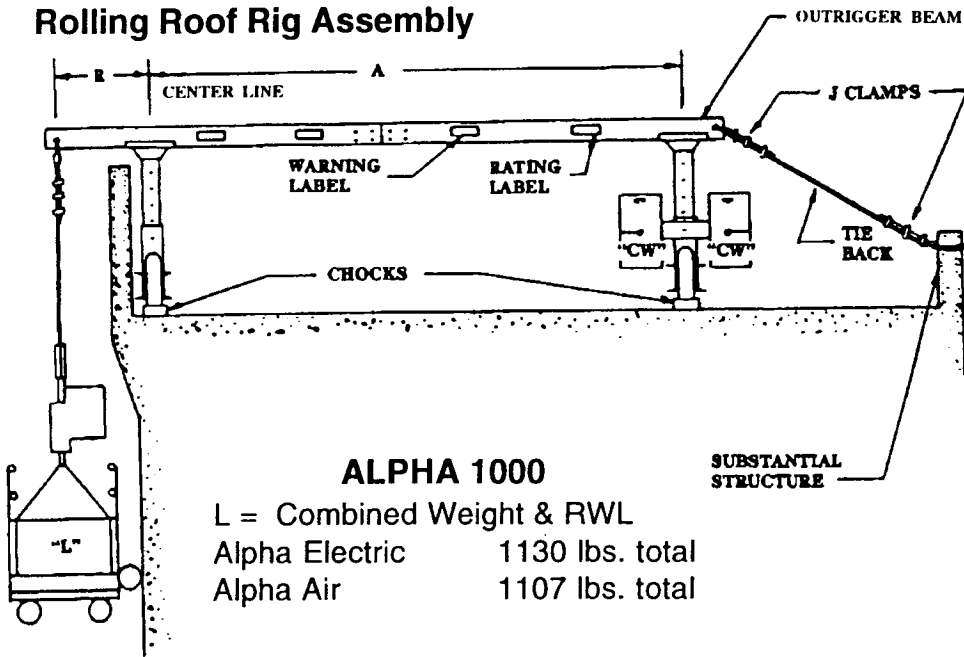
4 = 4:1 Safety Factor (required by OSHA).

R = Distance from Front Support center line to Hanging Load (in feet).

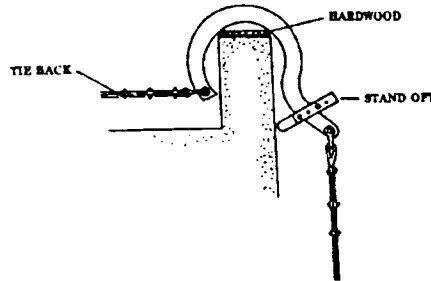
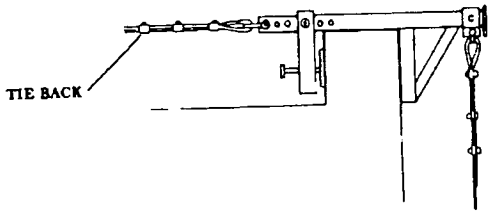
L = Rated Working Load (RWL) of Hoist plus the Hoist Weight (in lbs.).

A = Overall distance from front support to CW center line (in feet).

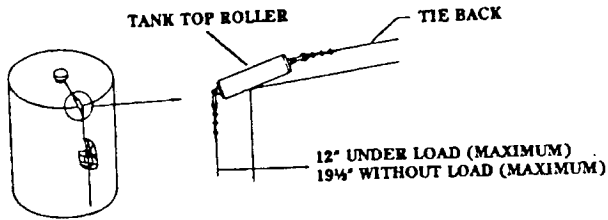
TYPICAL TOP SIDE RIGGING



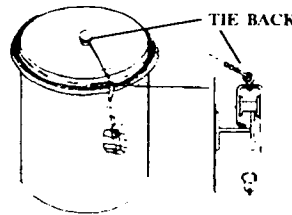
Non-Counterweighted Rigging



Parapet Clamp



Cornice Hook



Tank Top Roller

Ring Girder Roller

Tank Top Roller

- Tank top rollers provide a rigging method for access to petroleum or storage tanks.
- Attach Lifelines to separate tank top roller or equivalent.

Ring Girder Roller

- Ring Girder Rollers are used where a steel ring girder is located around the storage tank perimeter.
- Attach Lifelines to separate ring girder rollers or equivalent.

WIRE ROPE



Wire rope is an expendable item. It begins to wear when it is put into use. Do not use kinked, birdcaged or excessively worn or damaged wire rope. Such use may result in injury or death to yourself or others.

Wire Rope Handling and Storage

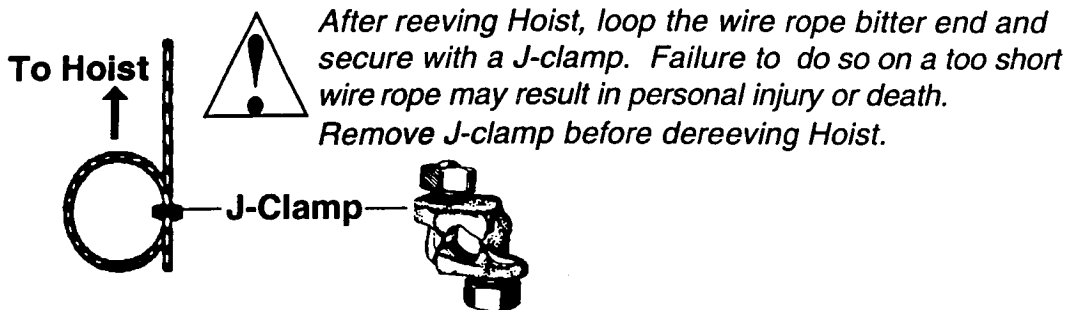
- Always wear gloves to protect hands when working with wire rope.
- Store wire rope in a coil or on a spool. Protect rope from physical abuse, inclement weather and corrosive materials.
- Do not drop wire rope from any heights.
- Uncoil wire rope carefully to avoid kinking or inducing a twist.
 - Do not uncoil by tossing coil over the edge of structure.
- Avoid dragging wire rope in dirt or around objects that could scrape, crush, bend or damage it.
- Galvanized wire rope specified by Sky Climber, Inc. is lubricated at the factory and under normal conditions does not require further lubrication.

Wire Rope Preparation .

- Always use 5/16 in. wire rope of the proper length and construction.
 - 5/16" dia., 6x19 IWRC, improved plow steel, drawn galvanized **OR**
 - 5/16" dia., 6x31, PFC, extra improved plow steel drawn galvanized.
- Braze both ends a maximum 1/2 in. long. Grind the tip to a point.

Wire Rope Rigging

Always use correct size and type of rope clamps. Wire rope will slip through oversize clamps. Undersize clamps will damage wire rope.



Thimble



- Use only 5/16 in. J-type wire rope clamps with a minimum of three clamps spaced about 4 inches apart. **DO NOT USE U-type clamps** which can crush wires and reduce wire rope strength.
- Torque J-clamps to 30 ft.-lb. at first loading. Check for tightness at start of each work shift. **CLAMPS DO LOOSEN WITH USE!**
- After all J clamps are placed, test for 125% Proof Load. Retighten clamps to specifications.
 - Use a 5/16 in. thimble and 5/8 in. screw pin shackle.
 - Use insulated thimbles when welding from Platform.

- Wire rope must support 6:1 safety factor.
 - A properly made 5/16 in. wire rope will have a minimum breaking strength of 8,000 lbs.
- Rig from top of structure. Allow 10 extra feet of wire rope to reeve Hoist. Store extra wire rope on roof neatly coiled, tied, and protected from weather **OR** coil wire rope under Platform just off ground level to avoid damage and allow wire rope rotation.
- Wire rope must be rigged to remain vertical with suspension points directly above the Hoist entry guide or lead-in device.

Wire Rope Replacement

- Replacement rope shall be to Sky Climber's specifications. Use of wire rope obtained from sources other than those specified Sky Climber could result in serious personal injury, property damage and/or equipment breakdown.

Four Wire System

Four wire systems can be used when it is necessary to protect workers having platforms or canopies overhead and as part of the system. Contact your Sky Climber Representative when Four Wire Systems are needed.

FALL ARREST EQUIPMENT

OSHA requires an independent life line for each person going aloft. A safety harness must be worn by each worker and attached by a lanyard and rope grab to an independent life line while worker is on Platform.

Life Lines

- Only one person may be attached to a life line.
- The life line must be:
 - Sized for and compatible with the rope grab (eg. 5/8 in. line for a 5/8 in. rope grab).
 - Certified minimum breaking strength of 5,400 lbs.
 - Seized or whipped at the ends.
 - Tied off to a separate attachment point different from the wire rope attachment point capable of supporting 5,400 lbs.
- Life line must not be in contact with rough or sharp edges.
- Life line must extend to the ground or next lower safe surface.

Rope Grab

Inspect all parts of the rope grab prior to each use. Perform a documented rope grab inspection at least twice a year.

- The rope grab should always be mounted on the life line as far above the operator as possible.

Body Harnesses

Harnesses must comply with the latest edition of ANSI A10.14

- Position a body harness D-ring in the center of the back rib cage. Follow the safety equipment manufacturer's instructions.

Lanyards

Lanyards must meet or exceed OSHA standards.

- Lanyards must be 4 feet long or less with double snap locks.
- Minimum tensile strength is 5,400 lbs.

PLATFORMS

- Follow the Platform load specification.
- Check stirrup bolts daily for soundness and tightness.
- Use toeboards, handrails and midrails on all open sides.
- Acids can destroy aluminum Platforms. Replace Platform immediately if exposed to acids or corrosive materials.
- Operate platform in level position only.
- Work from deck of platform only. Do not stand on guardrails, toeboards, platform/work cage supported objects or lean out from ends of platform. Do not use ladders etc. to get at higher elevations.
- Do not bridge from one platform to another, nor to any structure or other equipment.
- Do not horizontally transfer a work platform while it is suspended in the air. Perform all transfer operations ONLY with the Platform resting on a safe surface.
- Bosun chairs should only carry the operator. Do not hang loads from the seat or attach any device or support to seat or seat back.

WELDING

- Use the following precautions when welding to prevent the possibility of electric shock to personnel and /or the possibly of welding current passing through the wire rope.
- Attach each wire rope to its suspension point with a suitable insulated thimble. Insulate extra rope stored on the roof to prevent grounding, or terminate the suspension rope at the insulated thimble.
- Cover the supporting wire rope with insulating material above and below the Sky Climber® hoist. Use a length of split rubber tube taped in place around the cable as follows:
 - a. Extend above the Sky Lock brake for 4 to 5 feet (more if required by local codes).
 - b. Extend below the Sky Climber® Hoist, far enough to insulate the tail line from the platform. Guide and/or retain the portion of the tail line below the platform so that it does not become grounded.
- Cover each Sky Climber Hoist, Sky Lock brake and wire winder with protective covers made from insulating material.
- Connect a grounding conductor from the platform to the work piece. The size of this conductor must be equal to or greater than the size of the stinger lead.

NOTE: This must be a secondary conductor and must not be in series with the primary conductor between the welder and work piece.

HOIST & SKY LOCK INSTALLATION

ASSEMBLE SUSPENDED PLATFORM _____

1. Follow Manufacturer's Instruction. Acquire and view the Alpha 1000 training video (SC-A1000) prior to this installation.
2. If used, install an electric yoke or air yoke on the platform (wrapped around center guardrails) to provide power to each Hoist.
3. Secure source power line(s) to Suspended Platform by strain relief(s) or other load bearing device. Plug the power line into yoke, if used.
4. Allow sufficient power line length to permit free Platform travel without undue strain to the power line and platform.

INSTALL SKY LOCK _____

1. **Insert end of hanging wire rope through Sky Lock.**
 - Move Sky Lock up rope to a location above Hoist attachment point.
2. **Test Sky Lock.**
 - Support Sky Lock vertically. Drop Sky Lock down the wire rope. Brake should lock onto rope within 3 inches or less.
 - Slide Sky Lock up wire rope 1 inch.
 - Turn Reset Handle clockwise to reset Sky Lock.
 - Repeat procedure twice. Leave Sky Lock on line for Hoist reeving.
 - *Sky Lock must lock onto rope within 3 inches or less. If it does not, Sky Lock MUST be replaced.*
3. **After test proceed with Hoist Installation.**

INSTALL HOIST _____

1. **Place Hoist next to Suspended Platform Stirrup.**
2. **Connect Power.**
 - On dual voltage Hoists (110V or 220V), set voltage selector switch to source voltage **BEFORE** connecting power. Connect power.
3. **Thread Wire Rope Through Hoist.**

Keep hands clear of pinch point where wire rope enters Hoist.

 - Feed brazed and pointed end of wire rope with Sky Lock Brake already hanging on the rope, into Hoist entrance guide until rope stops.
 - To start self-reeving: Move Directional Switch in UP direction.
 - Wire rope must be free to travel without interference.
 - Exit guide must be clear. Wire rope must run freely **AWAY** from Hoist
 - Guide Hoist as it climbs up to the Stirrup level.
4. **Attach Hoist to Suspended Platform Stirrup.**
 - Insert Hoist stirrup strap into platform stirrup recess.
 - Use either Grade 5 nuts/bolts or shoulder bolts and nuts provided by manufacturer. Tighten nuts securely.
 - Make sure wire rope exits outward, away from the platforms work area.

5. Assemble Sky Lock to Hoist with Coupling Link.

Coupling Links must provide clearance for straight passage of wire rope.

- Remove two Coupling Links from storage box.
- Line up two Coupling Links, one each side of the holes in top of Hoist.
- Attach with two shoulder bolts. Tighten nut securely.
- Slide Sky Lock up 1 inch then turn Sky Lock Reset Lever *clockwise* to open jaws letting Sky Lock slide down wire rope.
- Line up hole in Sky Lock so it is between holes in top of Coupling Links.
- Attach shoulder bolt. Tighten nut securely.

6. Secure Wire Rope End.

- Loop wire rope bitter end and secure with a J-Clamp. Keep wire rope bitter end off ground to keep it clean and allow rotation.

7. Test Hoist Load.



Serious injury or property damage may result from falling objects during Hoist Load Test. Be alert and prepared to quickly move from likely impact zone.

- Place load equal to weight of workers & tools/materials on one end of Platform. Have co-worker check rigging for slippage/ malfunction during test.
- Inspect all rigging/platform connections. Tighten or adjust as needed.
- Select Hoist Directional Switch UP direction to raise Platform **6 inches** off surface.
- Turn Manual Trip Lever *counterclockwise* to set Sky Lock Brake.
- Select Hoist Directional Switch DOWN direction. **System should not descend.** Wire rope will loop out between top of Hoist and bottom of Sky Lock.
- Select Hoist Directional Switch UP direction to take up the loop and raise Platform **1 inch** to relieve load from Sky Lock jaws.
- Turn Sky Lock Reset Handle *clockwise* to reset Sky Lock.
- Repeat procedure twice.
- Repeat same Hoist load test procedure at other end of Platform.
- If Hoist or Sky Lock fails test, return failed unit to Factory Authorized Service Center.

8. Test Emergency Stop Button.

- Select Hoist Directional Switch UP direction to raise Platform **6 inches**. While ascending, press Emergency Stop Button. Power should stop to Hoist and primary brake should engage.
- Turn Emergency Stop Button Switch *clockwise* to reset.
- Repeat test.
- If emergency stop fails, return Hoist to Factory Authorized Service Center.

9. Test Controlled Descent System.

Partial Hoist brake release may result in overheating and premature wear.

- Raise Suspended Equipment **2 feet** off ground.
- Use Controlled Descent Lever to manually release primary Hoist brake.
- For nonpowered descent, pull Controlled Lowering Lever as far as it will go toward end of motor.
- The Hoist should lower at less than 35 feet per minute.

Do Not Use Any Equipment that has failed testing.

CHECKLISTS

DAILY OR BEFORE START OF EACH SHIFT _____

DO NOT use Sky Climber Hoists, Sky Locks or equipment which is damaged or worn beyond normal tolerances.

1. Instructions are kept with the unit at all times.
Additional copies are available. Contact Sky Climber.
2. All Warning / Rating Labels are in place, legible and have been read.
3. Hoist Drain Holes on Bottom Are Open. Fasteners checked. Oil Level in Lubricator of Air Hoist is adequate.
4. Suspended Platform Hoist is connected to proper power source.
5. Minimum of 3 J-clamps are used and are tight.
6. Cornice hook, parapet clamps or outriggers and similar rigging are secured and tied back. Chocks or similar devices are securely in place.
7. Counterweights are nonflowable type, secure, and right amount.
8. Roof rigging load is spread using 3/4 in. plywood. Hard wood used for Load Spreader with Parapet.
9. Wire rope inspected and is not kinked, bird caged or otherwise damaged.
10. The wire rope bitter end is looped and secured with a J-clamp.
11. Sky Lock, Hoist Load, Controlled Descent, Emergency Stop Tests performed and acceptable.

INSPECTION FREQUENCY AND MAINTENANCE _____



Failure to comply with Periodic Inspection and Factory Authorized Service Maintenance may result in a malfunction and in serious personal injury, property damage or death.

Field Inspection

Inspection must be performed by a designated qualified person or operator.

Inspection Frequency

Inspect **ALL** equipment as follows:

- When system is reeved.
- At start of each work shift.
- At least every four hours in abrasive, caustic or adhesive conditions.
- At least every two hours in freezing conditions.

Factory Inspection, Maintenance and Testing

Return Sky Climber Hoists and Sky Lock Brakes to a Factory Authorized Service Center for inspection, maintenance and testing as follows:

- Every 12 months in noncontaminated or freezing environments.
- Every 6 months in contaminated or freezing environments.
- After every job for Gunite, Hydroblasting or Sandblasting.

FIELD TROUBLESHOOTING

Mechanical portions of Sky Climber Hoists and Sky Lock must not be repaired in the field. Perform only those repairs for which you are qualified and trained. If a problem condition still exists, contact your Sky Climber Representative.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
HOIST		
Hoist won't come down	Sky Lock Brake tripped	Overspeed Condition: Get off Platform! Nuisance Tripping: Run System up 1" Reset.
Electric Motor Runs Slow or Hums and won't Lift.	Low source voltage	Use booster transformer or separate drop cords.
	On long drops, too much voltage is lost in electric cord Badly "pitted" points Brake not releasing Defective contactor Capacitor Incorrect Voltage	Use booster transform or run separate electric cord to each unit. Return to Factory Authorized Service
Motor Overheats		Motors overheat at less than 100 volts or greater than 120 volts. The high range is less than 200V or greater than 240V.
"Popping" Circuit Breaker	Breaker undersized	Connect to proper size breaker.
	Short in electric cord	Replace cord.
Runs in only one direction.	Defective contactor	Return to Factory Authorized Service Center.
Motor does nothing.	No Power	Restore
	Thermal protector tripped (motor is usually hot) operation	After 1 hour cooling period. Restart.
	Emergency stop switch engaged	Disengage
Hoist drifts when stopping in down direction.	Primary brake worn	Return to Factory Authorized Service Center.
Air Motor "icing" up.	Moisture in supply air	Get water out of air by: water traps, dryers, or alcohol drip feeder.
	Weather freezing	Use oil based antifreeze in air motor lubricator.
Air unit runs slow in up direction or won't carry a load aloft.	Low air volume to unit	Increase air supply by: Bigger compressor or larger supply lines.
	Air filter plugged	Clean or replace air filter.
	Low air pressure	Increase to 100 PSI at unit.
	Rotor blades ticking or worn	Return to Factory Authorized Service Center
SKY LOCK		
Engages due to overspeed conditions.		Remove Personnel from Platform Lower Platform to Ground or Raise to Roof by means other than Hoist. Contact Sky Climber Representative DO NOT release or reset brake.
Engages due to turning Manual Trip Lever or sudden movement or vibration	Equipment condition and wire rope below Brake	Check equipment. If satisfactory, operate Hoist in UP direction 1 inch to relieve load. Reset Sky Lock.

MAINTENANCE

Return Sky Climber Hoists as indicated to Factory Authorized Service Center for maintenance.

- Sky Climber Hoists are lubricated for normal usage and life.
If an oil leak is seen, return Hoist to Factory Authorized Service Center.
- Keep rope housing drain holes at bottom of Hoist open.
- **FLUSHING: Keep Hoist and Sky Lock free of contaminants.**
Perform the following steps when using equipment in a contaminated environment using gunite, hydroblasting or sandblasting.
 - Lower equipment to ground. Dereeve the Hoist.
 - Hold hose at wire rope entrance, flush Sky Lock with fresh water.
 - Repeat the flushing on the Hoist while running Hoist in the up and down direction until no further contaminants exit from drain holes.
 - Reeve the Hoist and Sky Lock. Continue operation.

SAFETY

Accidents will be prevented if you follow the instructions in this manual. Once the equipment leaves Sky Climber's control, the operator is responsible for its safe use, operation and maintenance.

SAFETY PREVENTS ACCIDENTS

- Know and understand the operation of this equipment.
- All Federal, State, and Local codes and regulations that apply to this equipment and its safe use must be followed.
- Do not alter any Sky Climber Hoists, Sky Locks or Accessories. Use only Sky Climber original parts in your Sky Climber equipment.
- Thoroughly inspect all equipment before use. Do not use any equipment which has any apparent difficulty.
- Wear hard hats at all times when servicing, erecting, disassembling, or using this equipment.
- Secure suspended platform to building face/structure while at work station. Disconnect platform from building face (other than platforms using continuous engagement) before it is moved.
- Provide protection for workers from falling objects both above and below the equipment.
- Keep all persons from beneath suspended equipment.
- Never work alone on a suspended platform and ensure help is available in an emergency.
- Do not overload the equipment or exceed the maximum rated capacity as noted in this Manual.
- Do not wear loose clothing while operating this equipment.

Safety is Important.

Use Common Sense. Don't Take Chances.

SAFETY DECALS & INSTRUCTIONS

The following safety/instruction signs shall be on your Sky Climber equipment. All safety related information shipped in the container with the Sky Climber Hoist must be read and complied with at all times.



CAUTION

1. Should the Sky Lock engage due to an overspeed condition, do not release or reset until load has been lowered or tied off on alternative supporting rope. Return Sky Lock to Sky Climber for inspection prior to further use.
2. Sky Lock may also be engaged by:
 - a. Turning manual trip knob counterclockwise.
 - b. Sudden movement of workers on platform or repeated vibration.In the event Sky Lock engages for reason other than overspeed, check condition of equipment and wire rope below Sky Lock; if satisfactory, operate hoist in UP direction 3 inches to relieve load on Sky Lock, then turn reset handle clockwise until Sky Lock resets. After resetting, handle must return to vertical position.
3. Inspect and functionally check Sky Lock operation daily when used in normal environments and every 4 hours when used in contaminating environments per instructions contained in manual. Failure to regularly check Sky Lock may result in loss of function with potential injury to user.

SKY LOCK® TYPE III

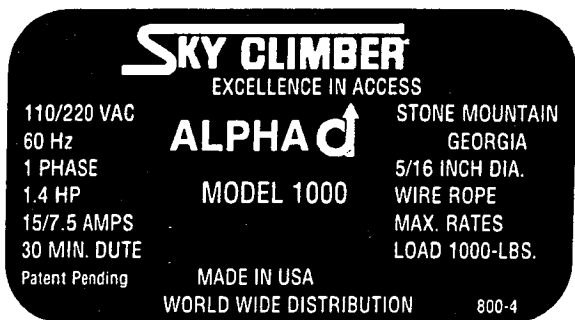
OVERSPEED BRAKE 56009839
MAXIMUM LOAD -1100 LBS
USE 5/16" DIAMETER WIRE ROPE ONLY
ACTIVATES ON ROPE WHEN SPEED
EXCEEDS 75 FPM
SKY CLIMBER, INC. - STONE MTN., GA

SKY LOCK® TYPE III DECALS

Nameplate

Part No.: 800-4

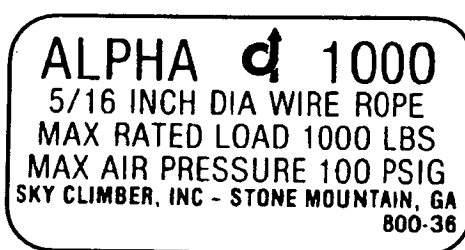
Location: Mounted on Electric Box



Nameplate

Part No.: 800-36

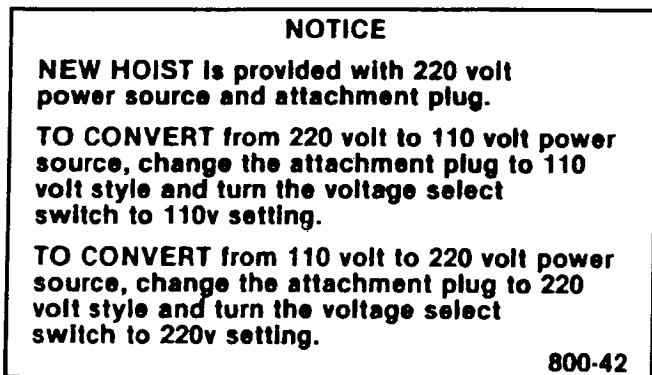
Location: Mounted on Air Motor



Voltage Decal

Part No. 800-42

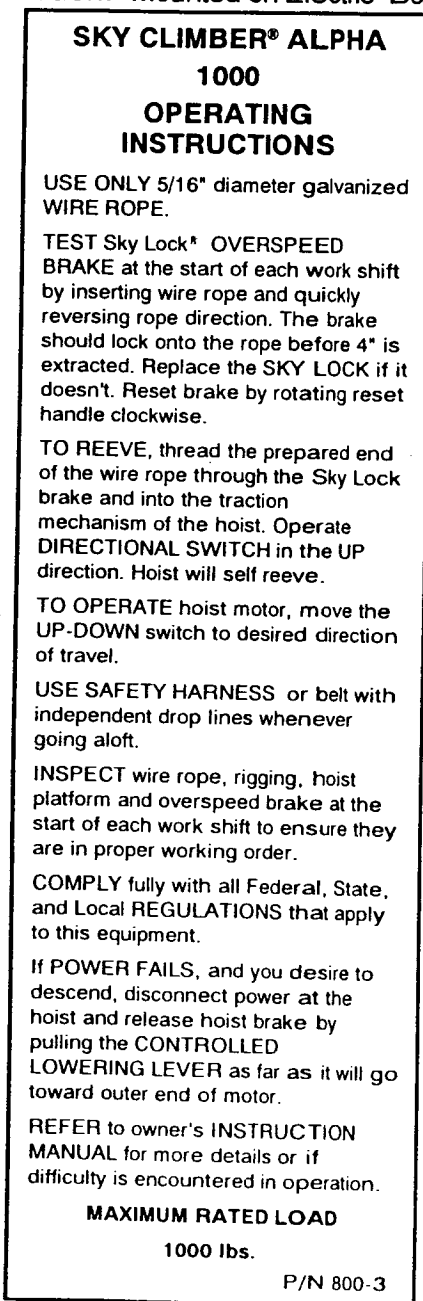
Location: Mounted on Electric Box



Operating Instruction

Part No.: 800-3

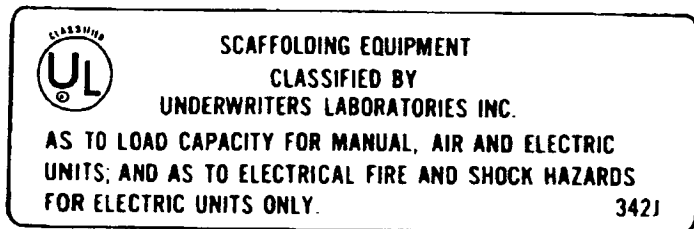
Location: Mounted on Electric Box



Underwriters Laboratories Certification Decal

Part No. 102-242

Location: Mounted on Electric Box



Canadian Standards Associate Certification Decal

Part No.: 102-368

Location: Mounted on Gear Box electrical units only.



NOTE: Photographs, drawings and decals shown in this Manual are for illustrative purposes only. All local, state and federal regulations must be followed.

SKY CLIMBER®



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Stone Mountain, GA 30083
Tel: 770/939/7705
800/255/4629
Fax: 770/493/7392

Safety is Important.

DAILY OR BEFORE START OF EACH SHIFT CHECKLIST

DO NOT use Sky Climber Hoists, Sky Locks or equipment which is damaged or worn beyond normal tolerances.

1. Instructions are kept with the unit at all times. (Additional copies are available. Contact Sky Climber.)
2. All Warning / Rating Labels are in place, legible and have been read.
3. Hoist Drain Holes on Bottom Are Open. Check Fasteners. Oil Level in Lubricator of Air Hoist is adequate.
4. Suspended Platform Hoist is connected to proper power source.
5. Minimum of 3 J-clamps are used and are tight.
6. Cornice hook, parapet clamps or outriggers are secured and tied back. Chocks or similar devices are securely in place. Tie backs are tight and straight back.
7. Counterweights are nonflowable type, secure, and right amount.
8. Roof rigging load is spread using 3/4" plywood. Hard wood is used for Load Spreader with Parapet.
9. Wire rope inspected and is not kinked, bird caged or otherwise damaged.
10. The wire rope bitter end is looped and secured with a J-clamp.
11. Sky Lock, Hoist Load, Controlled Descent, Emergency Stop Tests performed and acceptable.

Sky Climber Products are Serviced in Your Area By:



MARKEY SWING SCAFFOLD, INC.

413 East Main Street
Denville, NJ 07834
(973) 586-8999 FAX (973) 586-3939