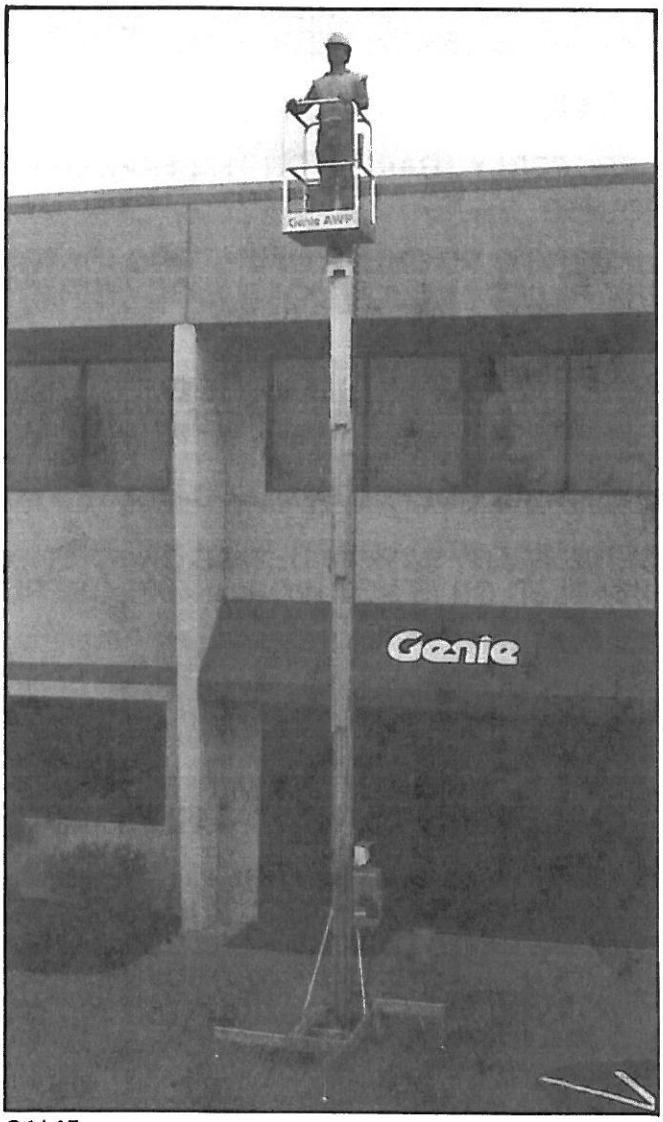
GENIE AWP®
OPERATING INSTRUCTIONS



24145

UNDERSTANDING THE SAFETY RULES AND OPERATING INSTRUCTIONS IS CRITICAL TO SAFE OPERATION OF THE GENIE AWP. MAKE SURE ALL OPERATORS READ, UNDERSTAND AND FOLLOW THE INFORMATION CONTAINED IN THIS DOCUMENT AND ARE INSTRUCTED BY A QUALIFIED INDIVIDUAL ON PROPER, SAFE MACHINE OPERATION PRIOR TO OPERATING THE MACHINE.

IF THERE IS ANYTHING YOU DO NOT UNDERSTAND, OR IF YOU HAVE QUESTIONS REGARDING THE OPERATION OF THE GENIE AWP, CALL GENIE INDUSTRIES BEFORE OPERATING MACHINE:

U.S.A
800-426-8089 or (206) 881-1800
Telex 152351 · FAX (206) 883-3475

Canada
800-426-8089 or (604) 984-4242
Fax (604) 988-2662

Europe
0636-813943
FAX 0636-815270

Genie Industries

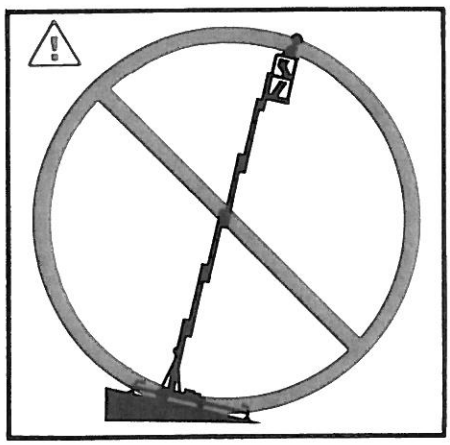
SAFETY RULES

WARNING: FAILURE TO OBEY THESE INSTRUCTIONS CAN RESULT IN DEATH OR SERIOUS INJURY.

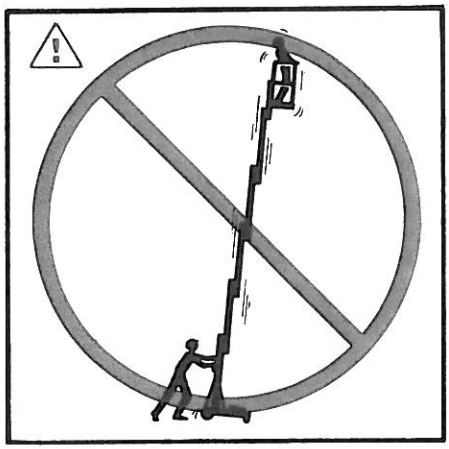
DO NOT OPERATE UNTIL:

- YOU HAVE BEEN PROPERLY TRAINED ON THE SAFE OPERATION OF THIS MACHINE.
- YOU READ AND UNDERSTAND THESE OPERATING INSTRUCTIONS, YOUR EMPLOYERS WORK RULES AND APPLICABLE GOVERNMENTAL STANDARDS.
- YOU HAVE INSPECTED THE ENTIRE MACHINE FOR DAMAGE AND TESTED MACHINE FUNCTIONS FOR DEFECTIVE OPERATION.

- DO NOT OPERATE A POTENTIALLY DEFECTIVE OR DAMAGED MACHINE.
- DO NOT OPERATE MACHINE IF ANY SAFETY DEVICE OR INTERLOCK HAS BEEN ALTERED, MODIFIED, DISABLED OR IS NOT WORKING PROPERLY.

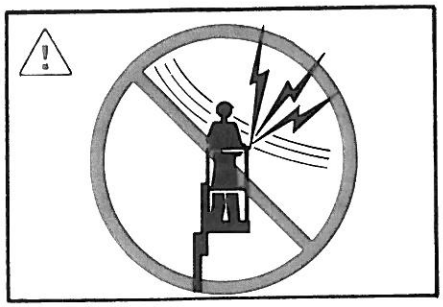


- DO NOT ELEVATE PLATFORM UNLESS THE MACHINE IS ON FIRM, LEVEL SURFACE.
- PRIOR TO USE, CHECK WORK AREA FOR DROP-OFFS, HOLES, BUMPS, DEBRIS, FLOOR AND OVERHEAD OBSTRUCTIONS, ENERGIZED HIGH VOLTAGE CONDUCTORS OR OTHER POSSIBLE HAZARDOUS CONDITIONS.

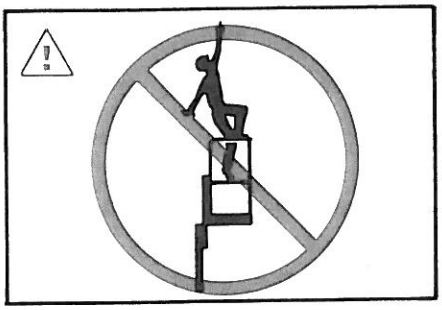


- NEVER ELEVATE PLATFORM UNLESS ALL FOUR (4) OUTRIGGERS ARE PROPERLY INSTALLED, LEVELING JACKS CONTACT FLOOR AND BASE IS LEVEL.
- NEVER MOVE THE MACHINE WHILE ELEVATED.
- NEVER ADJUST LEVELING JACKS WHILE PLATFORM IS OCCUPIED.

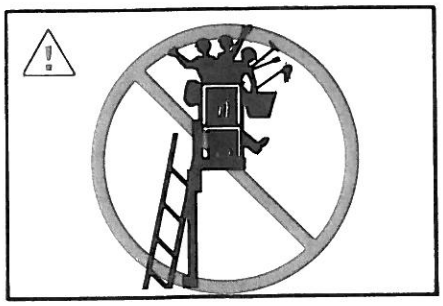
SAFETY RULES
---CONTINUED---



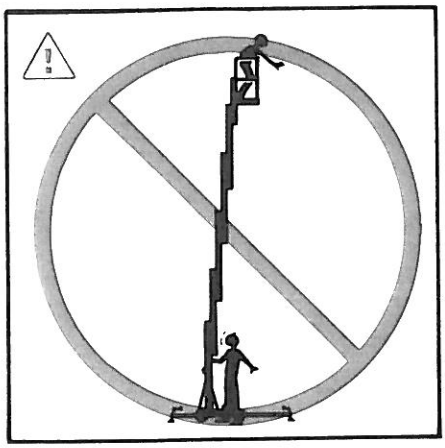
- DO NOT POSITION ANY PART OF THE MACHINE WITHIN 10 FT (3m) OF ANY ENERGIZED HIGH VOLTAGE CONDUCTOR.
- THIS MACHINE IS NOT ELECTRICALLY INSULATED.



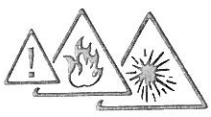
- MAINTAIN A FIRM FOOTING ON THE PLATFORM FLOOR. DO NOT SIT, STAND OR CLIMB ON GUARD RAILS OR MID-RAILS.
- LOWER PLATFORM ACCESS MID-RAIL BEFORE OPERATING.



- DO NOT EXCEED RATED PLATFORM LOAD CAPACITY.
- DO NOT ELEVATE LIFT WITH MORE THAN ONE PERSON IN PLATFORM.
- DO NOT ATTACH OVERHANGING LOADS OR PLACE LADDERS OR SCAFFOLDING ON OR AGAINST THE PLATFORM OR MAST.



- NEVER LOWER THE PLATFORM UNLESS THE AREA BELOW IS CLEAR OF PERSONNEL AND OBSTRUCTIONS.



REVIEW BATTERY AND CHARGER SAFETY RULES BEFORE OPERATING MACHINE (SEE PAGE 11).

UNPACKING & SET - UP

FAILURE TO READ, UNDERSTAND AND FOLLOW THESE INSTRUCTIONS CAN RESULT IN DEATH OR SERIOUS INJURY.

DO NOT OPERATE A POTENTIALLY DEFECTIVE OR DAMAGED MACHINE. REPAIR ANY DEFECTS OR DAMAGE BEFORE OPERATING.

REFERENCE PHOTOGRAPHS ON PAGES 8 AND 9

1 Remove banding and skid from machine.

2 **To prevent improper machine operation and possible damage to hydraulic system, reservoir must be vented.**Remove plug from oil reservoir filler opening and install the provided breather (vent) cap. **[PHOTO 7]**

3 **Before operating, conduct a thorough walk around and manual inspection of the machine.** Inspect for damaged electrical components, wiring, hydraulic hoses, fittings, sequencing cables and lift chains; missing or loose fasteners; weld or structural cracks; and any damaged, improperly installed or missing parts.

4 Connect the appropriate power supply.

AC MODELS
Attach pigtail power cord to an industrial grade extension cord with 12 gauge (3.3 mm^2) or larger wire. Connect cord to a 115V, single phase 3 wire grounded circuit, with at least 15 amp capacity. Circuit must be able to supply at least 105V while motor is running. **[PHOTO 8]**

DC MODELS
Fill battery with electrolyte following the "Dry Battery Filling Instructions" located inside battery box. Charge battery following the instructions on page 11. Hang the battery pack on the mast mounted battery bracket. Push together the battery pack and machine mast battery connectors. **[PHOTO 9, DETAIL A]**

5 Remove the four (4) outriggers from their storage sockets. Slide into base sockets until lock pins snap into outrigger holes. **[PHOTO 10]**

SET - UP

DO NOT ELEVATE PLATFORM UNLESS MACHINE IS ON A FIRM LEVEL SURFACE.

DO NOT OPERATE UNLESS ALL FOUR (4) OUTRIGGERS ARE PROPERLY INSTALLED, LEVELING JACK PADS CONTACT FLOOR AND BASE IS LEVEL.

6 Adjust the four (4) outrigger leveling jacks by turning jack handle clockwise until each pad is in firm contact with floor. While watching the base bubble level, continue to adjust each leveling jacks until base is level (bubble in the center circle). **[PHOTOS 11 and 12]**

7 This machine is equipped with an electrical interlock system which prevents platform ascent unless all four (4) outriggers and leveling jacks are properly installed and adjusted. A display panel, located on the ground control box, features four (4) indicator lights. These lights allow you to visually confirm that all four (4) outriggers and leveling jacks are properly installed and adjusted. Use all four (4) outriggers in the standard pattern at all times. When operating next to a corner or vertical wall position the machine as shown on Page 8, illustration 1. **[PHOTO 13, DETAIL A]**

OPERATING INSTRUCTIONS

REFERENCE PHOTOGRAPHS ON PAGES 8 AND 9

BEFORE OPERATING:

Conduct the pre-operation inspection detailed on page 4.

Do not exceed rated platform load capacity or operate with more than one person in platform.

Check overhead for personnel, electrical cables, lights and other obstructions which may interfere with machine operation or endanger operator.

Do not operate unless all four (4) outriggers are properly installed, leveling jack pads contact floor and base is level.

1 Insert key in key switch at ground control box and turn to **ON** position. Pull out red **EMERGENCY STOP** button. **[PHOTO 13 DETAILS B and C]**

2 Operator may now enter the platform and lower access mid-rail.

Twist red **EMERGENCY STOP** button to turn **ON** power. **To cut OFF power and STOP all functions, push in red EMERGENCY STOP button. [PHOTO 14, DETAIL A]**

3 To operate platform **UP** and **DOWN** functions push in the **POWER** button and rotate the directional control switch to the desired position. To stop functions release either or both of these switches. **[PHOTO 15]**

TILT-BACK OPERATION

FAILURE TO CORRECTLY POSITION LOCK PIN WHEN SECURING TILT-BACK IN STORAGE POSITION OR STRUT WHEN TILTING BACK MACHINE MAY RESULT IN DEATH OR SERIOUS INJURY.

FAILURE TO USE A PROPERLY INSTALLED FRONT OUTRIGGER WHEN TILTING BACK MACHINE MAY RESULT IN DEATH OR SERIOUS INJURY.

FAILURE TO KEEP CLEAR OF LOWERING OUTRIGGER WHEN RESTORING MACHINE TO STANDING POSITION MAY RESULT IN SERIOUS INJURY.

AREA BEHIND AND AROUND MACHINE MUST BE CLEAR OF PERSONNEL AND OBSTRUCTIONS BEFORE TILTING BACK MACHINE.

REFER TO THE PHOTOGRAPHS ON PAGE 7

The AWP-30 and AWP-36 are designed with a tilt-back assembly which enables **ONE PERSON** to easily roll the machine through a standard doorway. Carefully follow the instructions below. **[PHOTO 1]**

1

LOWERING TILT-BACK ASSEMBLY

Stand behind tilt-back assembly, grasp upper tilt-back cross beam, remove tilt-back lock pin, and lower until tilt-back strut is properly positioned in latch bracket. Insert tilt-back lock pin. **[PHOTOS 2, 3, and 4]**

2

TILTING BACK MACHINE:

Insert one outrigger in front base socket until lock pin snaps into place. Slowly lift outrigger until casters on tilt-back assembly contact floor. Continue lifting until the machine is completely tilted. **[PHOTOS 5 and 6]**

3

RESTORING MACHINE TO STANDING POSITION & STOWING TILT-BACK

Slowly pull down on front outrigger until telescoping strut is fully extended. Continue downward motion until base casters contact floor. Make sure that the area under screw jack is clear. Remove tilt-back lock pin. While supporting tilt-back assembly from behind, remove strut from latch bracket. Restore tilt-back assembly to stowed position and secure with tilt-back lock pin. **[PHOTOS 2, 3, 4 and 6]**

OPERATING INSTRUCTIONS



PHOTO 1

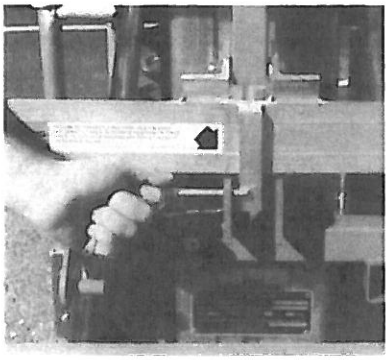


PHOTO 2

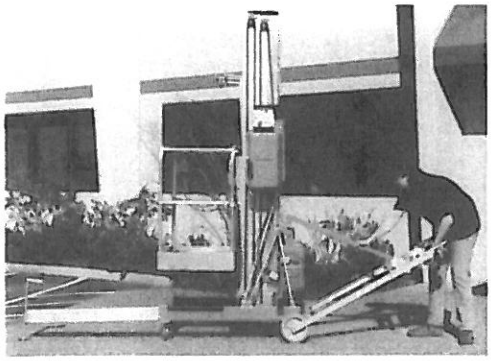


PHOTO 3



PHOTO 4

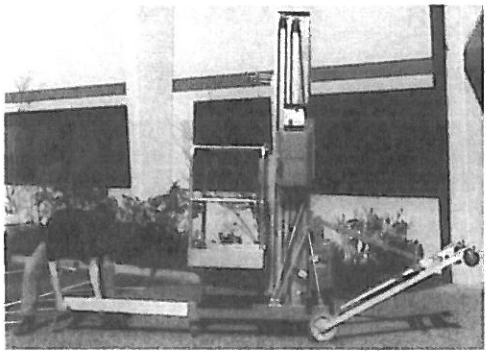


PHOTO 5

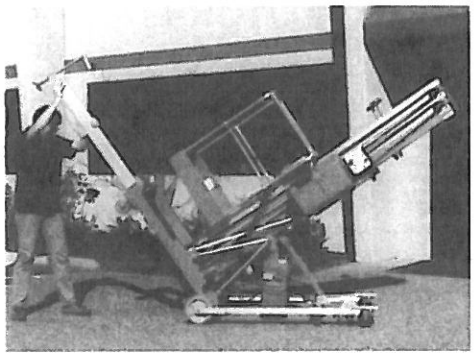


PHOTO 6

EMERGENCY CONTROLS

REFERENCE PHOTOGRAPHS FOUND ON PAGES 8 AND 9

1

EMERGENCY STOP

To stop functions, push in red **EMERGENCY STOP** button. **[PHOTO 14, DETAIL A]** **Repair any function that operates with red EMERGENCY STOP button pushed in.**

! IF PLATFORM FAILS TO LOWER, DO NOT CLIMB DOWN. HAVE GROUND PERSONNEL USE THE EMERGENCY LOWERING LEVER TO LOWER PLATFORM.

2

EMERGENCY LOWERING

A platform emergency lowering lever (located on the hydraulic power unit) is provided to lower the platform in the event of an operator emergency, electrical or hydraulic system failure. **[PHOTO 16]**

REFERENCE PHOTOGRAPHS



PHOTO 7

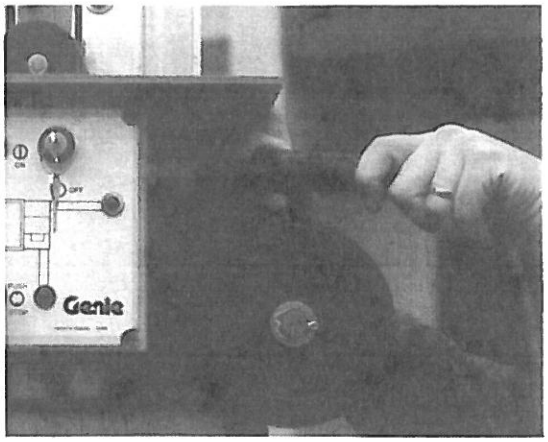


PHOTO 8

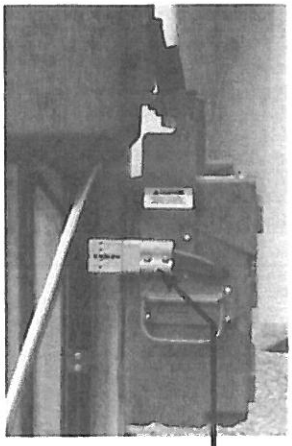


PHOTO 9

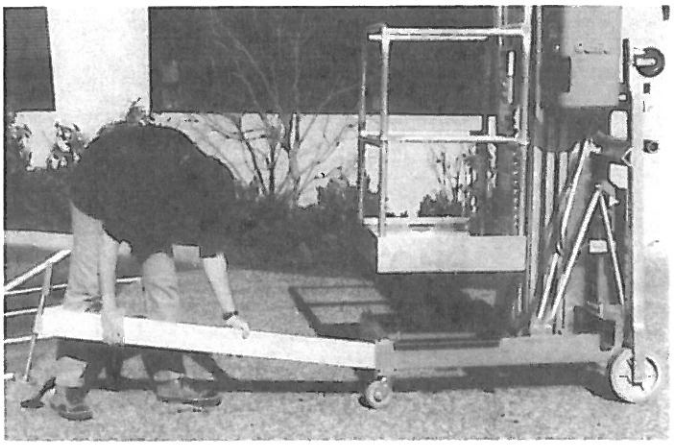


PHOTO 10

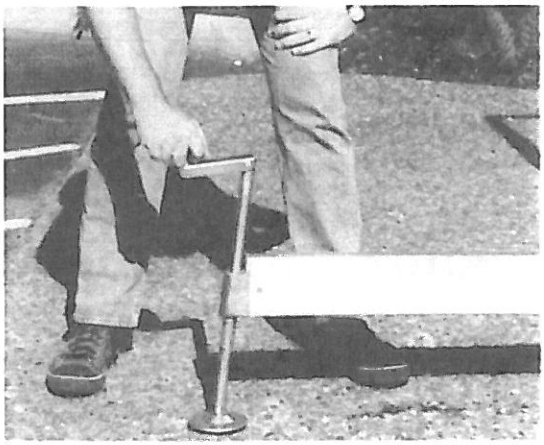


PHOTO 11

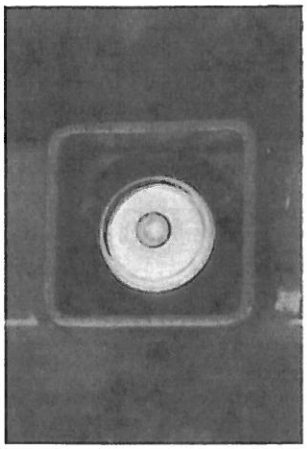


PHOTO 12

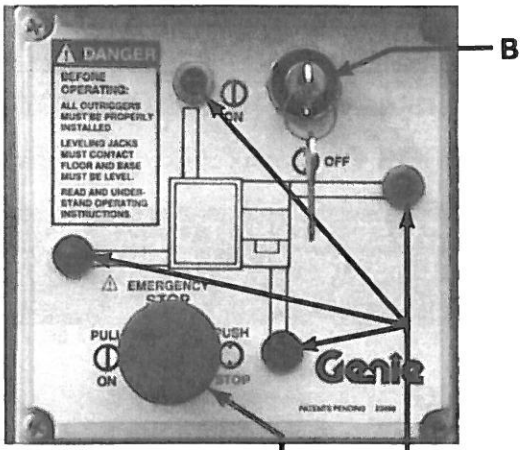


PHOTO 13

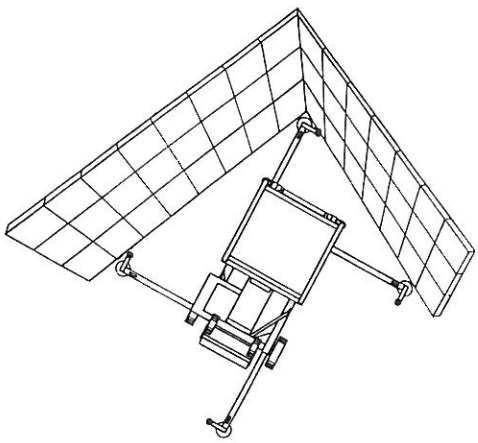


ILLUSTRATION 1

REFERENCE PHOTOGRAPHS

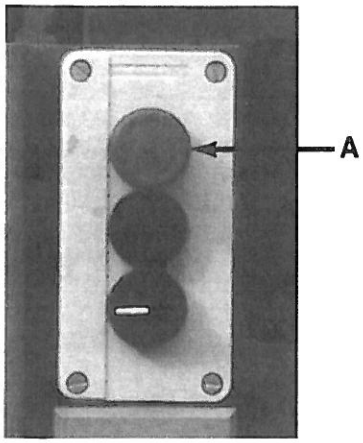


PHOTO 14

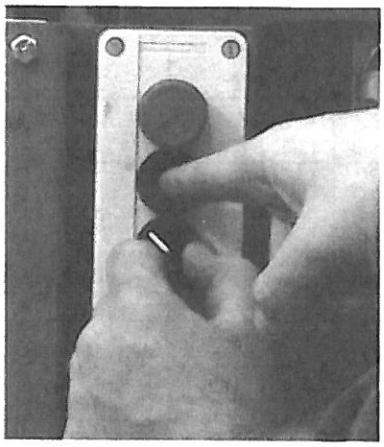


PHOTO 15

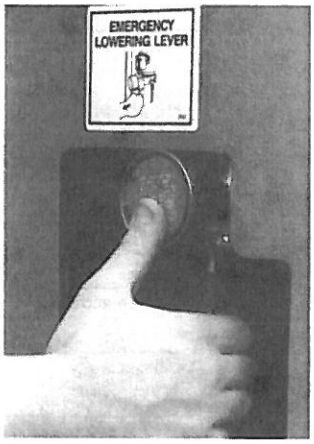


PHOTO 16



PHOTO 17



PHOTO 18



PHOTO 19

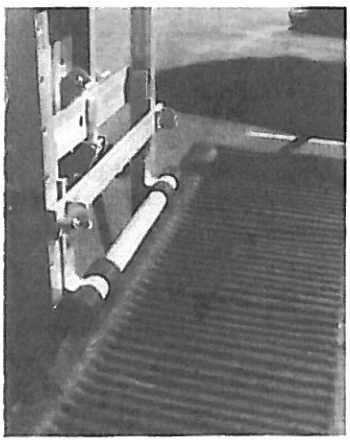


PHOTO 20



PHOTO 21



PHOTO 22

SPECIFICATIONS

MODEL		AWP-19*	AWP-24*	AWP-30*	AWP-36*
Height-working max.	U.S. - ft	25	30	36	42
	Metric - m	7.62	9.14	10.97	12.80
Height-platform max.	U.S. - ft	19	24	30	36
	Metric - m	5.8	7.3	9.14	10.97
Height-stowed	U.S. - in	78	78	91 ½	110 ½
	Metric - m	1.98	1.98	2.32	2.80
Width-outriggers stowed	U.S. - in	28	28	29	29
	Metric - m	0.71	0.71	0.76	0.76
Length-stowed	U.S. - in	45	45	51 ¼	51 ¼
	Metric - m	1.14	1.14	1.3	1.3
Lift capacity	U.S. - lbs	300	300	300	250
	Metric - kg	136	136	136	113
Power source		12V DC or 115V AC	12V DC or 115VAC	12V DC or 115V AC	12V DC or 115V AC
Platform dimensions (l x w x h)	U.S. - in	26 x 26 x 43	26 x 26 x 43	26 x 26 x 43	26 x 26 x 43
	Metric - m	0.66 x 0.66 x 1.1	0.66 x 0.66 x 1.1	0.66 x 0.66 x 1.1	0.66 x 0.66 x 1.1
AC outlet in platform		Standard	Standard	Standard	Standard
Shipping weight (DC model / AC model)	U.S. - lbs	590/529	642/581	830/769	891/830
	Metric - kg	268/240	291/264	377/350	405/377
Outrigger footprint (l x w)	U.S. - in	54 x 66	54 x 66	86 x 104	86 x 104
	Metric - m	1.37 x 1.68	1.37 x 1.68	2.2 x 2.64	2.2 x 2.64

* Patented and Patents Pending

* Registered No. 2009987

TRANSPORT

FAILURE TO PROPERLY SECURE MACHINE MAST, BASE AND PLATFORM TO TRANSPORT VEHICLE MAY RESULT IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH

NEVER USE ONLY TILT-BACK FRAME TO SECURE MACHINE TO VEHICLE.

- **DC MODELS** - Disconnect and remove battery pack before tilting machine. **[PHOTO 9]**
- Turn key switch to OFF position, push in red **EMERGENCY STOP** buttons and remove key. **[PHOTOS 14 and 15]**
- Inspect the entire machine for loose or unsecured items. Ensure outriggers are locked into storage sockets.
- Slide the stop bracket to the top lock position. **[PHOTOS 17 and 20]**
- Hook pivot bracket to stop bracket. **[PHOTOS 17 and 20]**
- Ensure tail-gate and truck bed are sufficiently constructed to withstand the weight of the machine.
- Position machine next to tailgate, lower pivot bracket against tailgate and lock stop bracket in lowest possible position. On the AWP-30 and 36 models make sure both stop bracket lock pins are fully engaged. **[PHOTOS 18 and 21]**
- Tilt machine into truck bed. Push machine into transport location. **[PHOTOS 19 and 22]**
- Securely strap the machine to transport vehicle. (See Caution above)

BATTERY AND CHARGER SAFETY AND OPERATION

BATTERIES EMIT EXPLOSIVE HYDROGEN GAS WHEN CHARGING. CHARGE BATTERY IN AN OPEN, WELL VENTILATED AREA FREE OF SPARKS, FLAMES OR FIRE. THE BATTERY PACK COVER MUST BE OPEN DURING CHARGING.



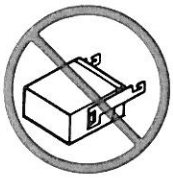
ALWAYS WEAR PROTECTIVE EYEWEAR AND CLOTHING WHEN WORKING WITH BATTERIES.



DO NOT EXPOSE BATTERY AND CHARGER TO WATER OR RAIN.



BATTERY PACK MUST REMAIN IN UPRIGHT POSITION.
ALWAYS REMOVE BATTERY PACK BEFORE LAYING MACHINE DOWN FOR TRANSPORT.



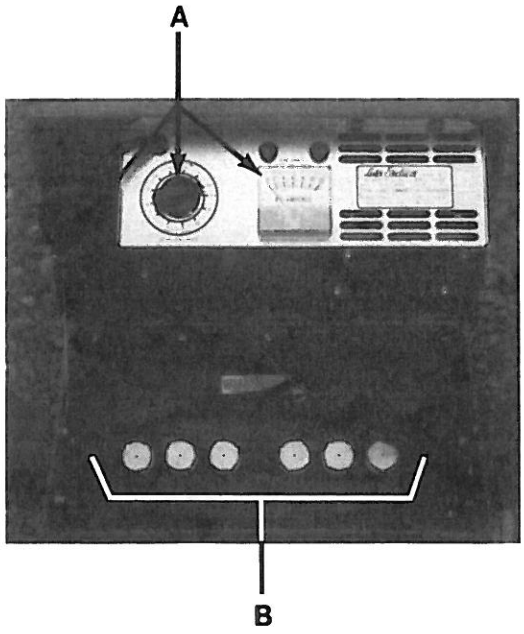
CONNECT CHARGER TO A GROUNDED AC, 3-WIRE ELECTRICAL SYSTEM ONLY.
INSPECT DAILY FOR DAMAGED CORD, CABLES AND WIRES. REPLACE DAMAGED ITEMS BEFORE OPERATING.



AVOID SPILLING OR CONTACTING ELECTROLYTE. USE BAKING SODA AND WATER TO NEUTRALIZE AND RINSE ELECTROLYTE.



- CHARGE BATTERY AFTER EACH USE.
- TO CONNECT BATTERY PACK PUSH TOGETHER THE BATTERY CONNECTORS ON THE BATTERY PACK AND MACHINE MAST SECTION.
- DO NOT OPERATE EQUIPMENT WITH A LOW BATTERY. TO CHECK STATE OF CHARGE, PLUG CHARGER IN AND SET TIMER FOR ONE HOUR. IF THE CHARGER AMPERE METER DROPS TO 3 AMPS OR LESS WITHIN 15 MINUTES, THE BATTERY IS FULLY CHARGED. **[DETAIL A]**
- WHEN CHARGING BATTERY, ENSURE BATTERY PACK LID IS OPEN THEN SET TIMER BASED ON THE AMOUNT OF USE. **[DETAIL A]**
  7 HOURS - LIGHT USE (LESS THAN 15 LIFT CYCLES SINCE LAST CHARGE) .
  12 HOURS - HEAVY USE (MORE THAN 15 LIFT CYCLES SINCE LAST CHARGE).
- CHECK BATTERY ELECTROLYTE (WATER) LEVEL DAILY. MAINTAIN WATER LEVEL ABOVE THE BATTERY PLATES. **[DETAIL B]**
- ONLY ADD WATER AFTER CHARGING BATTERY.



FOR MORE INFORMATION ON MACHINE REPLACEMENT PARTS REFER TO THE PARTS REFERENCE GUIDE FOR THE GENIE AWP.

LIMITED WARRANTY

Genie Material Lifts & Portable Aerial Work Platforms

GENIE INDUSTRIES, INC. warrants this product to be free from defects in material and workmanship for one year from the date of purchase, but only such defects as result from normal use.

Seller's liability shall be limited to the repair or replacement of the defective material or workmanship at its factory or authorized service center. Buyer shall be responsible for all freight charges required for the repair. Improper use of the product, lack of normal maintenance or unauthorized alteration of the product shall render this warranty void.

Seller makes no other warranty, expressed or implied, and specifically makes no warranty as to merchantability and fitness for any particular purpose. Seller will not be liable for any consequential or special damages resulting from any use of its products.

Qualification for warranty coverage is conditioned upon return of a completed "Product Warranty Registration" form and upon prompt notice of the claimed defect. Seller must be given an opportunity to examine any defect before any alteration is made.

Seller reserves the right to make changes in design or add any improvements on its basic product or any accessories thereto at any time without incurring any obligation to install such improvements on any Genie Product or accessory previously purchased.

This warranty supersedes all other warranties, stated or published.

DISTRIBUTED BY

Genie Industries

Home Office: 18340 NE 76th Street • P.O. Box 69, Redmond, Washington U.S.A. 98073-0069 • (206) 881-1800 • Toll Free 800-426-8089 • TX 152351 • Fax (206) 885-4638
Canadian Office: P.O. Box 86754, North Vancouver, B.C., Canada V7L4L3 • (604) 984-4242 • Toll Free 800-426-8089 • Fax (604) 988-2662
European Office: Market Place • Southwell • Nottinghamshire • England NG25 OHE • (44) 0636-813943 • Fax (44) 0636-815270

Copyright © 1991 by Genie Industries

PRINTED in U.S.A.

PATENTED AND PATENTS PENDING
Registered #2009987

7060-1191