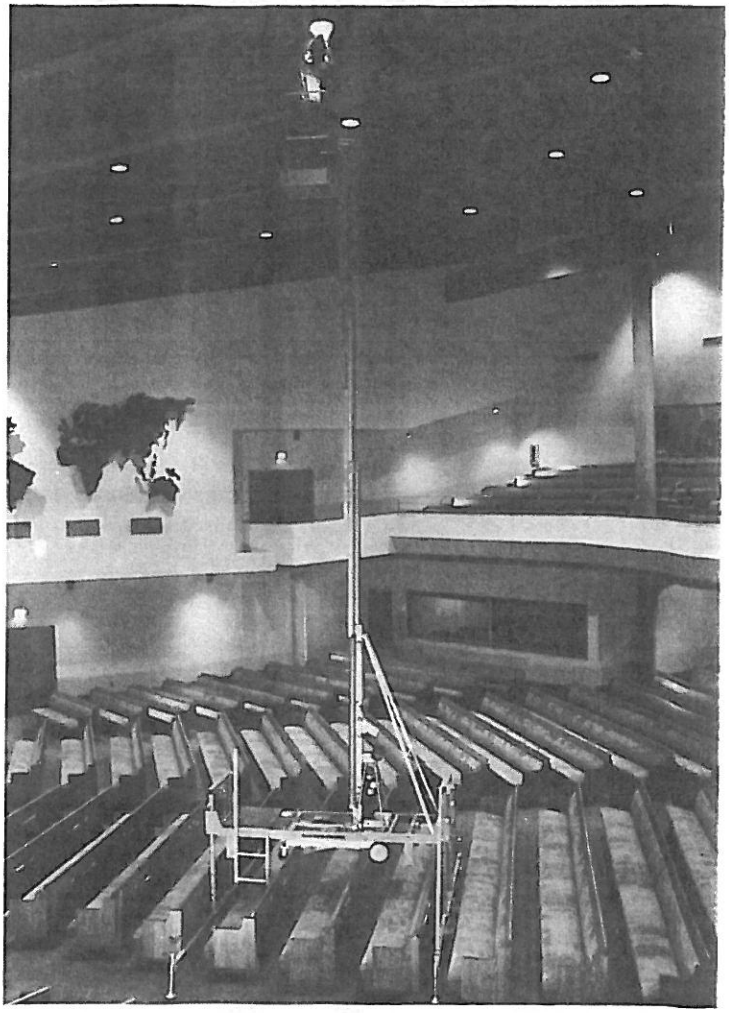
GENIE SUPER-STRADDLE OPERATING INSTRUCTIONS



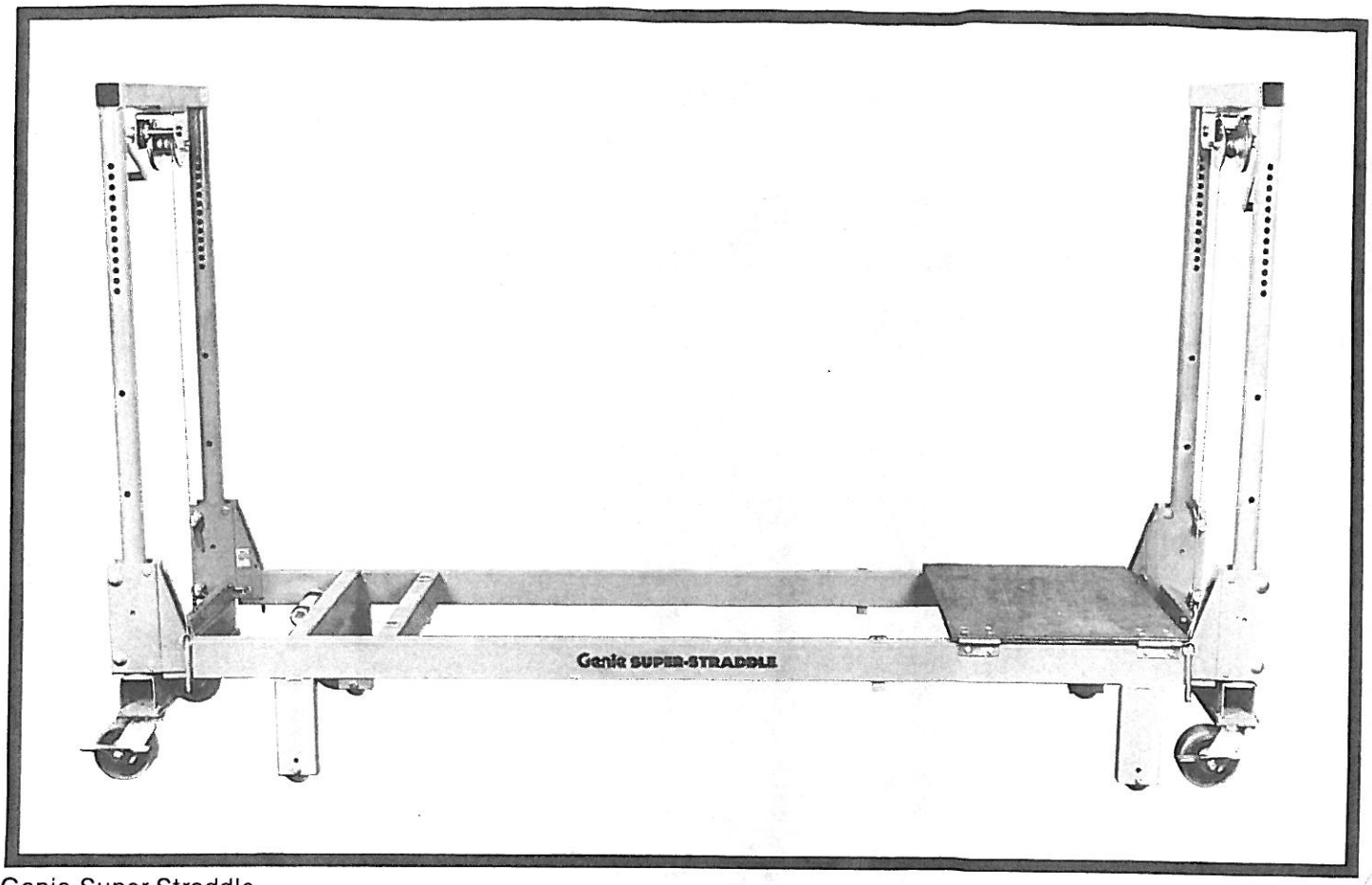
Genie Super-Straddle with mounted Genie Personnel Lift

20959

CAUTION

Understanding these Operating Instructions and Safety Rules is critical to the safe operation of the Genie Super-Straddle. Please study this brochure carefully, and make sure that all personnel using the Super-Straddle read and understand it completely, **before using** this equipment.

Genie



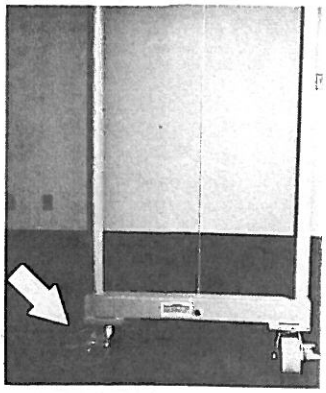
Genie Super-Straddle

SET UP & OPERATING INSTRUCTIONS

1. Read and understand these instructions before operating the Genie Super-Straddle. DO NOT permit anyone to use the unit who is not familiar with these rules. A duplicate set of these instructions is contained in a water tight plastic tube on the base carriage and should be kept there at all times.
2. If there is anything you do not understand, or if you have questions regarding the operation of the Super-Straddle, call 800/426-8089 or 206/881-1800 for assistance before operating.
3. Never use a Super Straddle that is damaged or is not operating normally. Have the unit inspected by an authorized representative.
4. Use the Super-Straddle only with **approved** Genie Personnel Lift.
5. See back of this document for safety rules.

-ASSEMBLY OF SUPER-STRADDLE-

The Super-Straddle is shipped with the frame in three (3) separate parts: the base frame and two (2) end frames. When assembling Super-Straddle base frame, lock one (1) 6 inch caster on each end frame parallel to the outrigger socket tube, allowing the other caster free swivel movement. This allows for easier positioning during assembly.

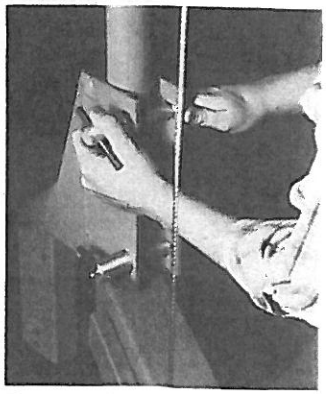


1

To connect the two (2) Super-Straddle end frames to the Super-Straddle base frame, install two (2) 3/4 inch x 4 inch carriage bolts at each of the four (4) corners where the end frames join the base frame (photo A). Hand tighten T-handle nut assemblies (photo B).



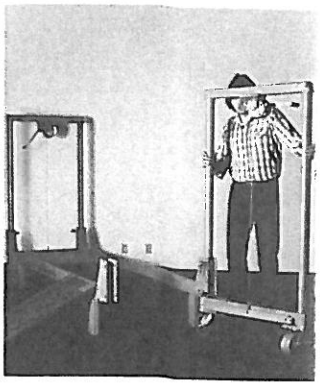
A



B

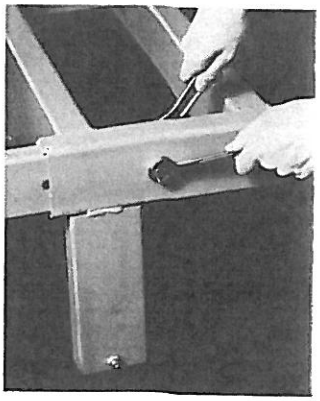
2

For your convenience, do not yet install the **final two** carriage bolts of the end frame closest to the base frame's hinged plywood platform. This will allow the end frame to swing open to provide entry for the Genie Personnel Lift (see step 1 under "Mounting Personnel Lift on Super-Straddle" on following page).



3

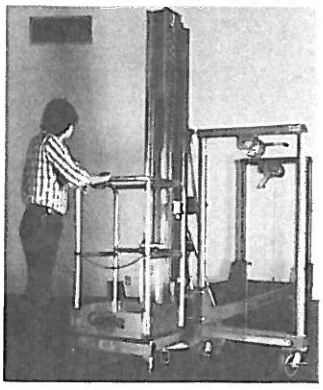
INSTRUCTIONS FOR ADJUSTABLE LENGTH SUPER-STRADDLE UNITS ONLY (Models SS-30ADJ and SS-36ADJ):
Use a tape measure to determine the straddling length requirements at your working location. Adjust the Super-Straddle's telescoping base frame to the appropriate length. Secure the unit at this length by inserting one (1) 1/2 inch x 3 inch hex-head bolt with washer through **each** side of the telescoping base frame. Firmly tighten lock nuts as shown.



4

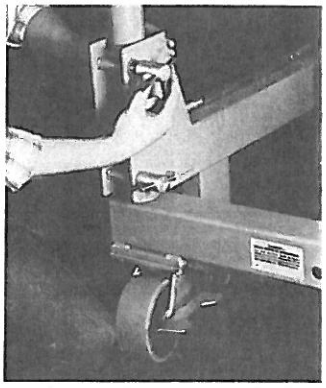
MOUNTING PERSONNEL LIFT ON SUPER-STRADDLE

1



Swing open the swivel end frame and roll approved Genie Personnel Lift into the Super-Straddle base frame opening.

2



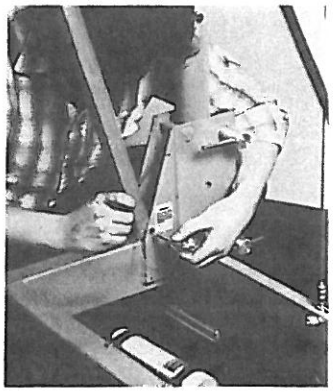
After moving the approved Genie Personnel Lift into Super-Straddle base frame mounting position, close and secure Super-Straddle end frame to Super-Straddle base frame by installing the final two (2) 3/4 inch x 4 inch carriage bolts. Hand tighten as shown.

3

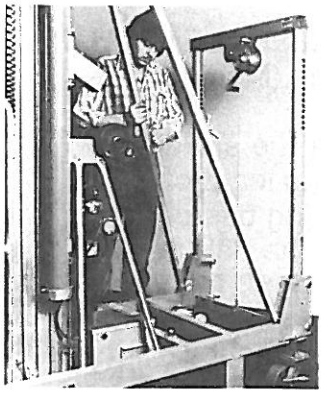


A Super-Straddle lift bar is attached to the hoist winch cable in each end frame. **Each** lift bar must also be installed to the Super-Straddle base frame using two detent pins. This procedure must be completed at both ends of the base frame.

4



A

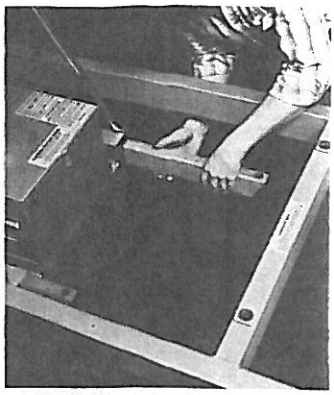


B

On approved Genie Personnel Lift 30 and 36 foot models, two (2) Personnel Lift diagonal braces must be installed from the top of the Personnel Lift mast assembly to an inside position on the Super-Straddle base frame guide plate (photo A).

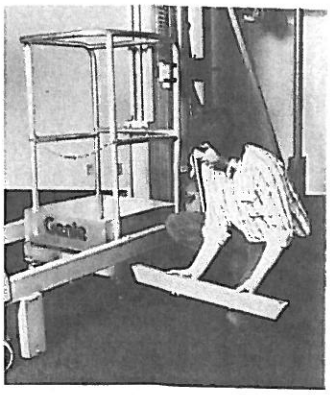
NOTE:
Diagonal brace adjustment T-handles must be firmly tightened after brace installation (photo B).

Before mounting the Personnel Lift to the Super-Straddle base frame, insert two (2) Super-Straddle interfacing beams all the way into the aft portion of the Personnel Lift base frame.



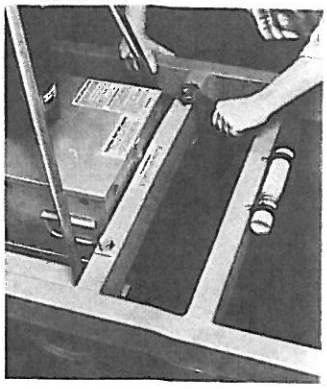
5

One (1) Super-Straddle interfacing beam must now be inserted all the way into the front cross tube of the Personnel Lift base frame. Lift the spring-loaded detent pins to allow the interfacing beam to enter.



6

To secure the Personnel Lift assembly to the Super-Straddle base frame, install four (4) 3/4 inch x 7 inch hex-head cap screws through the base frame interfacing beams. Firmly tighten lock nuts as shown.

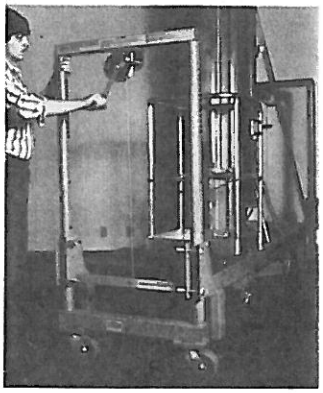


7

THE SUPER-STRADDLE IS NOW READY TO BE OPERATED IN CONJUNCTION WITH THE MOUNTED GENIE PERSONNEL LIFT. BEFORE OPERATING PERSONNEL LIFT, ONCE AGAIN CHECK TO INSURE THAT ALL APPROVED MOUNTING BOLTS ARE PROPERLY INSTALLED AND TIGHTENED.

-MOVING TO WORKING LOCATION-

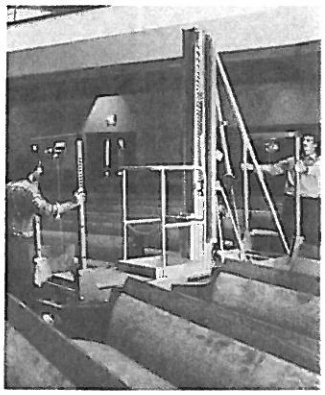
1



Before moving Super-Straddle to working location, use hoist winches to raise base frame assembly rollers approximately 6 inches above floor level.

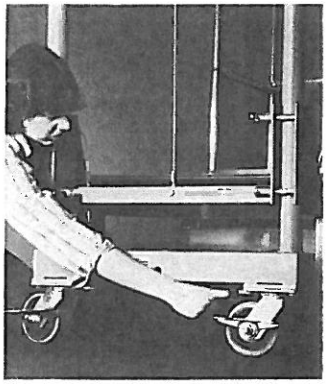
NOTE:
When moving the Super-Straddle unit, check doorway overhead clearances.

2



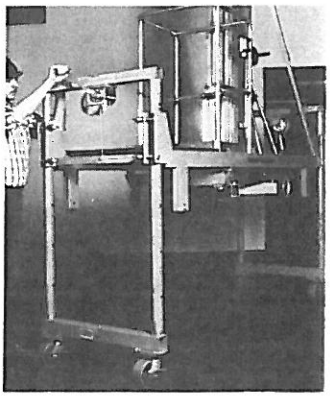
Use two (2) individuals when moving the Super-Straddle over sloped flooring.

3



Before raising and leveling the Super-Straddle, make sure that one (1) 6 inch swivel caster on each end frame is locked parallel to the proposed direction of travel. Each caster is equipped with a lock pin to allow you to do this. The locked casters must be on the same side of the unit.

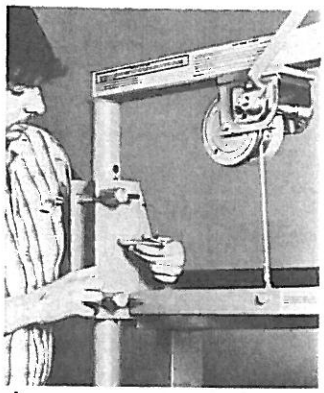
4



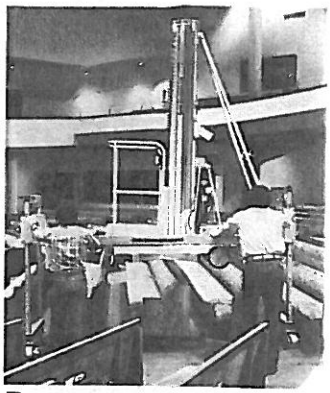
Using the two (2) hoist winches raise Super-Straddle assembly to required straddle height. If one person is raising the unit, alternately operate the winches so that neither end is more than 10 inches higher than the opposite end.

If two people are raising the unit, the winches may be operated simultaneously at the same speed so that neither end becomes more than 10 inches higher than the opposite end.

Before moving Super-Straddle over straddle object, insert the four (4) height adjustment pins through base frame guide plates (photo A). Now the Super-Straddle can be rolled into the straddle working location (photo B).



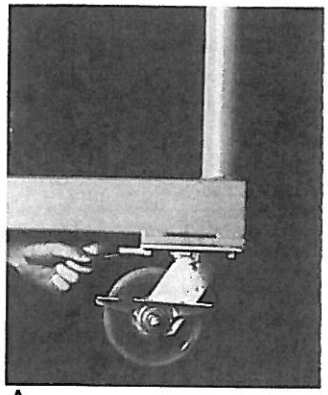
A



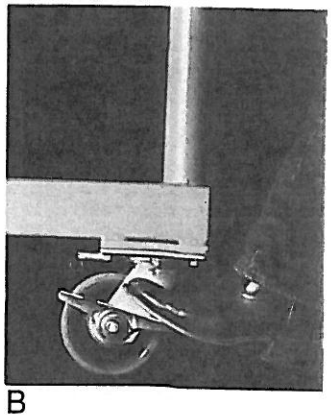
B

5

When the Super-Straddle is positioned in its working location **on a level floor**, lock the swivel casters parallel to the outrigger socket tube (photo A). For a working location **on a sloped floor** (not to exceed 4.5° slope), lock the swivel casters at a 90° angle to the direction of the slope. Lock caster brakes on all four (4) 6 inch casters (photo B).



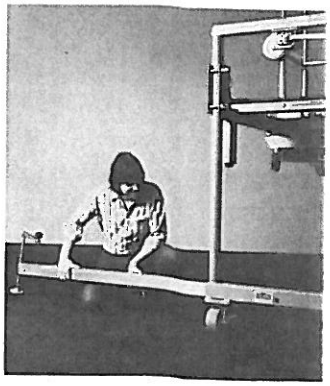
A



B

6

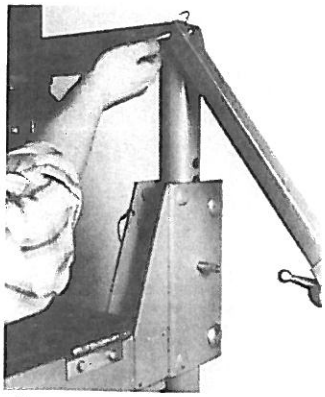
The four (4) Personnel Lift outriggers and leveling jacks must now be installed into Super-Straddle base frame outrigger socket tubes. Make sure that all four (4) outriggers are inserted into socket tubes until they contact outrigger socket tube center pin.



7

On approved Genie Personnel Lift 30 and 36 foot models, outrigger stabilizer braces must be installed one (1) each to each end frame as shown (photo A).

NOTE:
Stabilizer braces are installed on diagonally opposite sides from each other. Stabilizer brace adjustment T-handles must be firmly tightened (photo B).



A

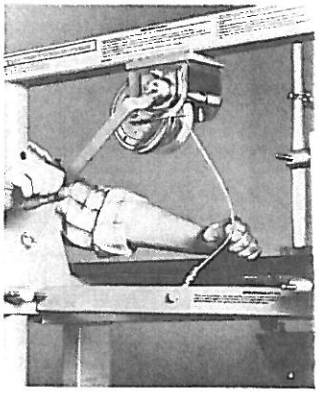


B

8

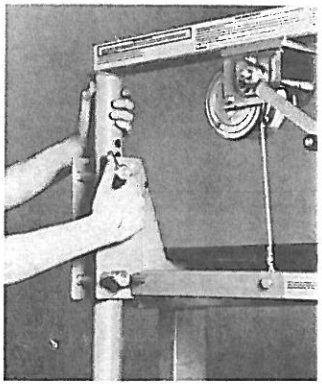
LEVELING PROCEDURE

1



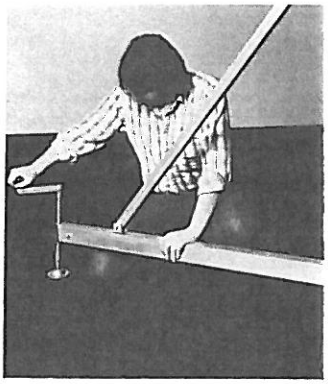
As required, remove height adjustment pins and level the Super-Straddle assembly by adjusting the two (2) hoist winches. Position and re-insert height adjustment pins. Loosen cable tension on both hoist winch assemblies after inserting adjustment pins so that weight of the mounted Personnel Lift is supported by the adjustment pins, **not** the cable.

2



Firmly tighten the eight (8) carriage bolts, four (4) per end frame.

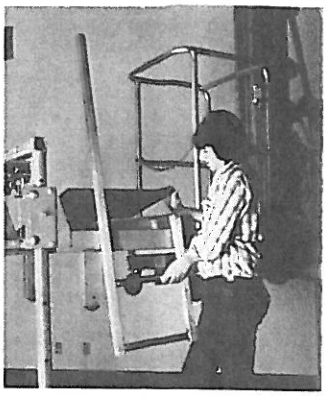
3



Observing the bubble-level mounted on the Personnel Lift base frame, adjust outrigger screw jacks until the Super-Straddle is level. On uneven surfaces, at least one (1) locked swivel caster must be in solid contact with the floor at each end frame.

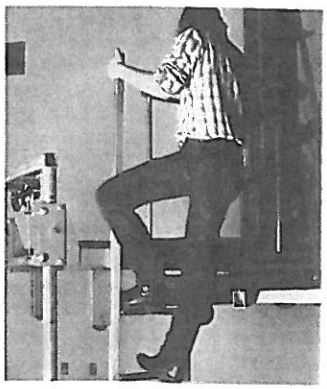
DO NOT USE SUPER-STRADDLE IF UNIT CANNOT BE LEVELED.

ACCESS PROCEDURE



Install Super-Straddle access ladder by lifting plywood decking. Lower decking to secure ladder in place.

1



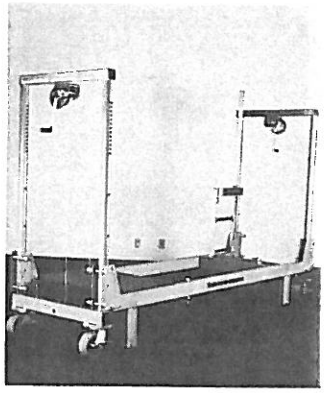
To enter Personnel Lift platform, use Super-Straddle access ladder. (Do not lean a separate ladder assembly against unit.)

2

TO RAISE AND LOWER PERSONNEL LIFT MOUNTED ON SUPER-STRADDLE ASSEMBLY, FOLLOW PERSONNEL LIFT OPERATING INSTRUCTIONS.

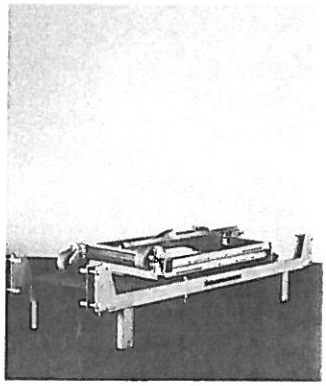
STORAGE

1



The Super-Straddle can be stored as a one-piece assembly. For convenience, Personnel Lift mounting brackets and access ladder are stored on the Super-Straddle.

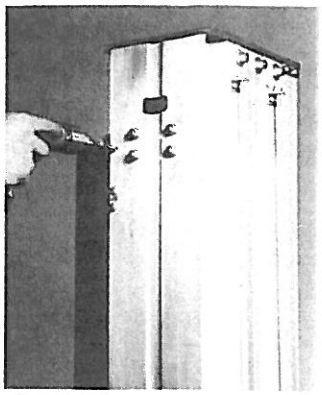
2



The Super-Straddle also can be disassembled for storage and transport.

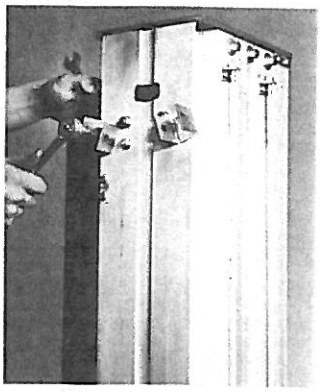
STEP II

Install mounting brackets (i.e., diagonal brace attachment channels) for the upper ends of the diagonal braces.



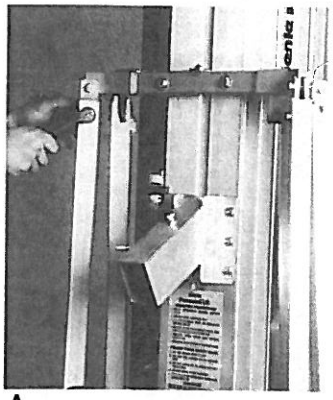
1

Use a pencil to mark positions for two (2) holes to be drilled in the Personnel Lift's rear-most mast. The marks should be made halfway between the chain terminal fitting nuts, with one positioned approximately 1/2″ (13 mm) from each outer mast edge. Drill a 3/8″ (9.5 mm) hole at each location. (This procedure is not necessary for most PL-36's. Use the existing holes in the approximate position.)

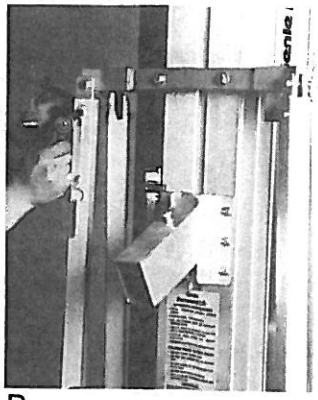


2

Insert a 3/8″-16 x 1″ hex-head cap screw through a 3/8″ flat washer and a diagonal brace attachment channel. Then, bolt through the flange using the lock nut. Repeat this procedure for each of the two (2) holes drilled in number 1 (above). During the first installation of the Super-Straddle, align the diagonal brace attachment channels with the diagonal braces and firmly tighten the lock nut.



A



B

3

Remove the hex-head retainer bolt from the upper end of one Personnel Lift diagonal brace (Photo A). Discard the retainer bolt, but retain the lock nut. The retainer bolt will be replaced by the longer 1/4″-20 x 2″ hex-head cap screw provided. Slide the 1/4″ flat washer and the retainer pin's lanyard loop onto the hex-head cap screw and attach to the diagonal brace (Photo B) using the lock nut. Repeat this procedure on the opposite side of the Personnel Lift.

Just above this newly installed hex-head cap screw with lanyard and retainer pin, a thrubolt attaches the diagonal brace to the mounting bracket on the rear of the mast. Remove and discard this thrubolt so that the retainer pin can be used instead of the thrubolt to attach the diagonal brace to the mounting bracket.

You can now proceed to mount the Genie Personnel Lift on the Genie Super-Straddle, following the instructions set forth in the brochure, "Genie Super-Straddle Operating Instructions." If you do not have a copy of this brochure, you can obtain one by contacting Genie Industries at any of the phone numbers or addresses listed below.



Genie Super-Straddle with mounted Genie PL-30

Genie Industries

Home Office: 18340 NE 76th Street • P.O. Box 69 • Redmond, Washington U.S.A. 98073-0069 • (206) 881-1800 • [redacted] TX-152351
Canadian Office: 340 Brooksbank Avenue • P.O. Box 86754 • North Vancouver, B.C., Canada V7L 4L3 • (604) 985-3600 TX-04352501
European Office: Avelingenweg 6a. • 4202 MN Gorinchem, Netherlands • 1830-34772 TX-27250

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GENIE SUPER-STRADDLE

ADAPTER KIT A

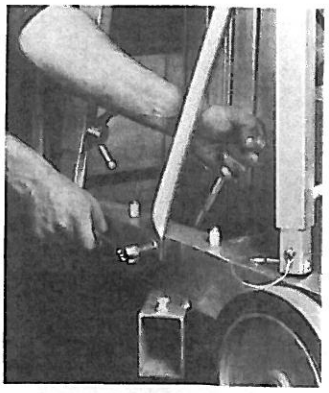
Adapter Kit A must be installed on all 30 and 36 foot Genie Personnel Lifts (models PL-30, PLC-30, PL-36 and PLC-36) before these units can be used with the Genie Super-Straddle. On 30 and 36 foot units shipped from the factory after June, 1984, only Step II needs to be completed. Step I (only) must be completed on Genie Personnel Lift models PL-12, PL-18 and PL-24.

Kit A includes the following:

Part No.	Description	Quantity
11697	3/8″-16 Flare Nut	4
8255	3/8″-16 x 3/4″ Hex-head Cap Screw Gr. 5	4
6638	1/4″ x 3/4″ x .062″ Flat Washer	4
6175	3/8″-16 x 1″ Hex-head Cap Screw Gr. 5	2
6097	3/8″ x 1″ x .08″ Flat Washer	2
6904	Diagonal Brace Attachment Channel	2
4828	3/8″-16 Lock Nut	2
4266	1/4″-20 x 2″ Hex-head Cap Screw Gr. 5	2
7745	Stabilizer Retainer Pin with Lanyard	2

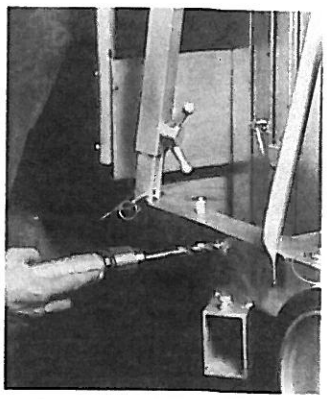
STEP I

Remove obstructions on inside of Personnel Lift's rectangular base tubes in order to allow passage for the Super-Straddle's interfacing beams.



1

On each side of the Personnel Lift base, detach the lower end of the strut nearest the basket by removing the thrubolt.

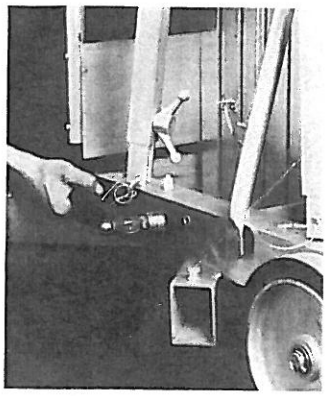


2

Open up the outside hole only, on each side of the base, using a 9/16″ (14.3 mm) drill. Use only one pass-through of the drill to prevent enlarging the hole too much.

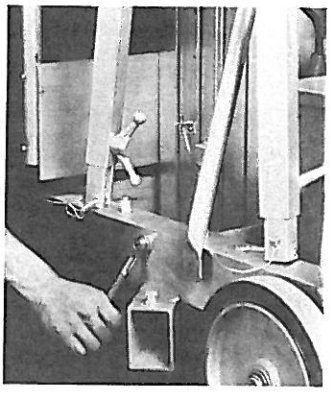
STEP I (Cont.)

3



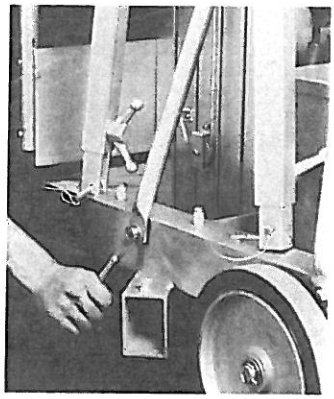
Insert the flare nut and seat with a hammer (see photo). Now, take the thrubolt removed from the Personnel Lift in Step I, no. 1, insert it through the hole behind the nut, and use a hammer to flare and seat the nut from the back. Complete this procedure on each side of the base. (Discard the thrubolt).

4



Use the 3/8″ flat washer with the 3/8″ - 16 x 3/4″ hex-head cap screw and insert into flare nut. Tighten the screw firmly to permanently flare the nut to the inside of the base frame tube. Repeat for other side of the base.

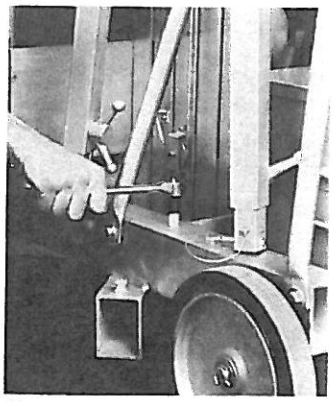
5



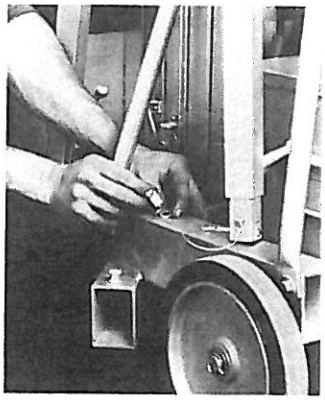
Now, remove the 3/8″ - 16 x 3/4″ hex-head cap screw and the 3/8″ flat washer to permit reinstallation of the strut (see photo).

On some PL-36 models, the procedure outlined above (Step I, no's. 1 through 5) may also be necessary for the aft strut mounts in order to provide clearance for the Super-Straddle interfacing beams. Additional flare nuts and hex-head cap screws are provided for this purpose.

6



A



B

Remove the two (2) rear-most diagonal brace storage buttons, one on each side of the base (Photo A). Add the 1/4″ flat washers under the nylon spacers (Photo B). This will prevent interference inside the base tube when inserting the Super-Straddle's aft interfacing beams. Reinstall the brace storage buttons and tighten firmly.

SAFETY RULES

IMPORTANT SAFETY RULES

Please study carefully these Safety Rules and Operating Instructions and make sure all personnel read and understand them completely **before using** the Super-Straddle. In case of questions regarding approved products, call Genie Industries in the United States (800) 426-8089, (206) 881-1800, or telex 152351.

1. Do not use the Super-Straddle except with approved Genie products.
2. Do not overload. Observe maximum capacity on approved Genie Personnel Lifts.
3. Do not use unless all four (4) outriggers are installed in Super-Straddle base.
4. Do not raise Genie Personnel Lift until Super-Straddle base frame is level. Use bubble level, end frame adjustment winches (2), outriggers and screwjacks (4) to level. (See instructions.)
5. Never adjust end frames (2) or leveling screwjacks (4) when a person or material is on a unit mounted on the Super-Straddle.
6. Inspect unit to see that all installation instructions for mounting approved Genie products to the Super-Straddle have been properly complied with.
7. Never use a Super-Straddle unit which has been damaged or improperly assembled. Make a check of the hardware to be sure all nuts and bolts are in place and secure.
8. Inspect the winch (2) cables before operating. Do not use a Super-Straddle unit with worn, frayed, or kinked cables.
9. Super-Straddle hoist winches (2) are used for leveling adjustment only. Before operating Personnel Lift, the Super-Straddle end frame support pins must be installed so that winch cables (2) have no support tension on them.
10. On sloped flooring, all four (4) casters must be locked at right angle to the direction of the slope before leveling the Super-Straddle. Caster brakes must be locked.
11. Never use the Super-Straddle unit in the vicinity of live electrical apparatus or machinery in operation.
12. Do not mount Super-Straddle on an elevated platform, scaffold, truck bed, extended surface, or soft ground.
13. Do not attempt to move the Super-Straddle while the approved Genie Personnel Lift is elevated.
14. Do not subject the Super-Straddle unit to a horizontal force or side load by pushing or pulling from the elevated platform or by hanging heavy objects over the side.

WARRANTY

GENIE PRODUCTS are warranted to be free from defects in material and workmanship under normal use for a period of twelve months from the date of purchase. In all cases, the seller must be given a reasonable opportunity to investigate and inspect any asserted defects; and the buyer shall, at the seller's option, return any alleged defective materials to the seller's plant or authorized service depot at the buyer's expense. Seller's liability is limited to repair or replacement of material found to be defective, free of charge, F.O.B. plant or authorized service depot.

The manufacturer reserves the right to make changes in design or add any improvements on the basic unit or any accessories at any time without incurring any obligation to install same on Genie Products or accessories previously purchased.

Genie Industries

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