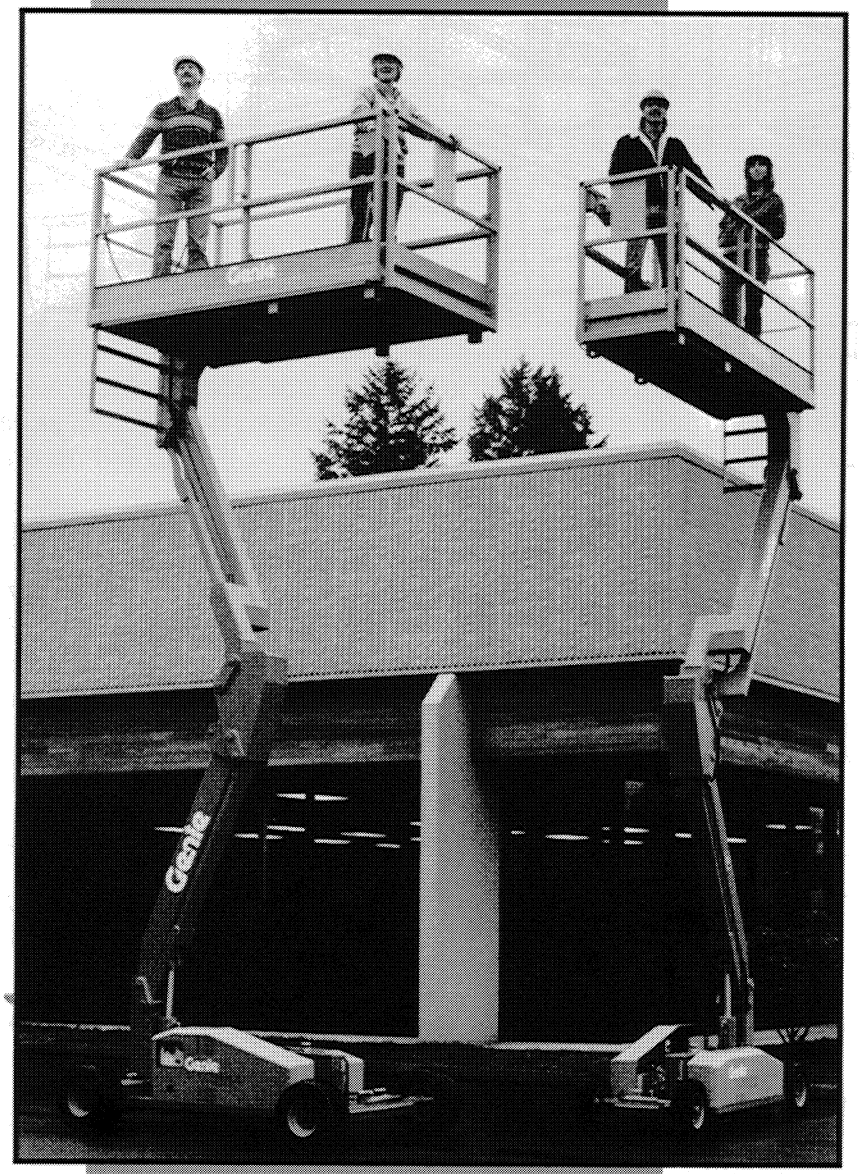
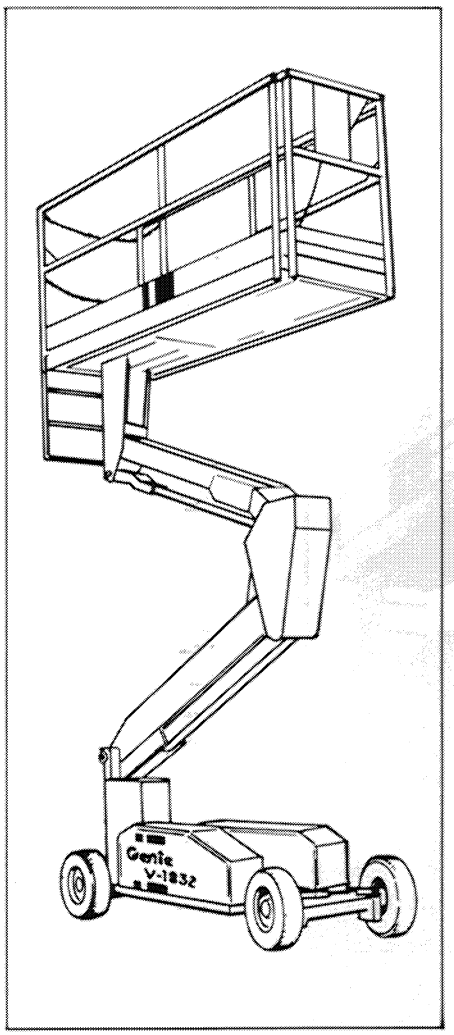
GENIE VERTICAL LIFT
(Models V-1832, V-1854 & V-2470)
OPERATING INSTRUCTIONS



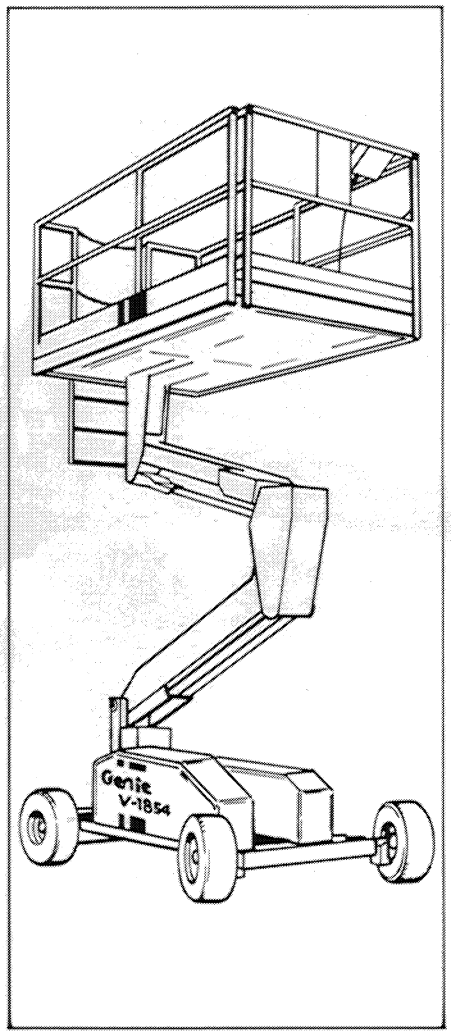
Part No. 20955

CAUTION

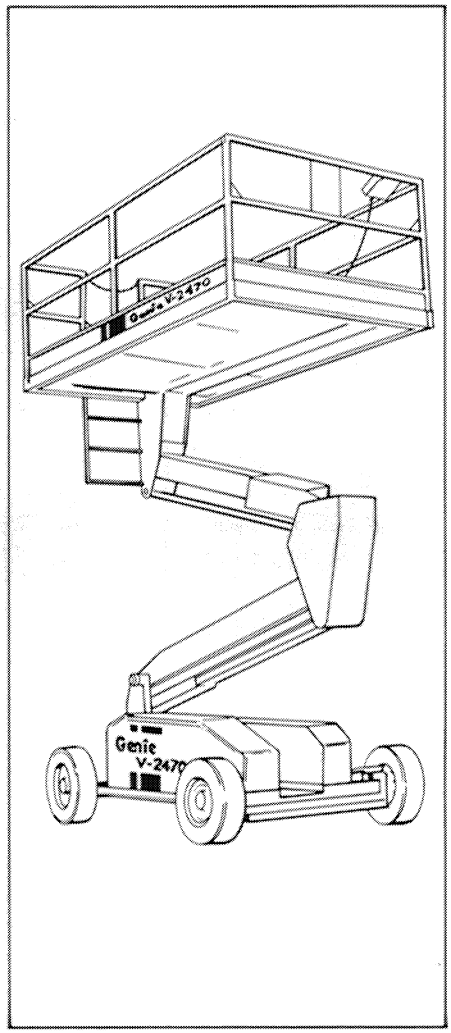
Understanding these Safety Rules and Operating Instructions is critical to the safe operation of Genie Vertical Lifts. Please study this brochure carefully, and make sure that all personnel using the Genie Vertical Lift read and understand it completely before using this equipment.



GENIE V-1832



GENIE V-1854

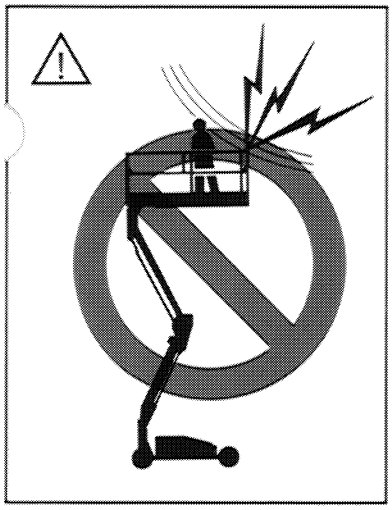


GENIE V-2470

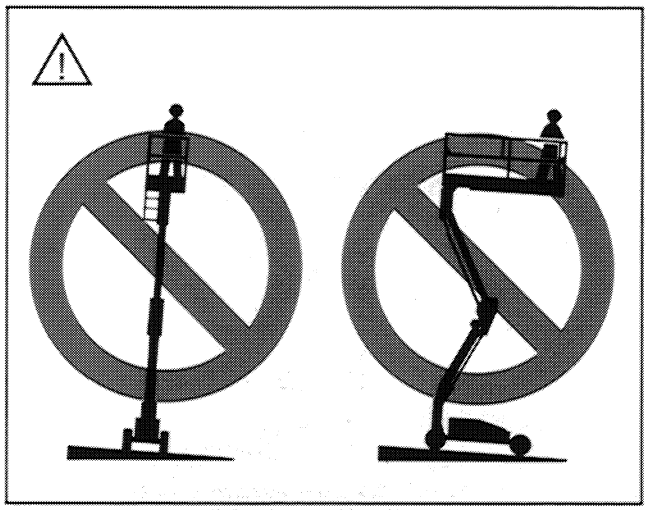
SAFETY RULES & OPERATING INSTRUCTIONS

Read and understand these Safety Rules and Operating Instructions before operating the Genie Vertical Lift aerial platform. Do not permit anyone to use the machine who does not understand the material in this document. A duplicate set of these instructions is contained in a water-tight plastic tube on the platform and should be kept there at all times for operator reference.

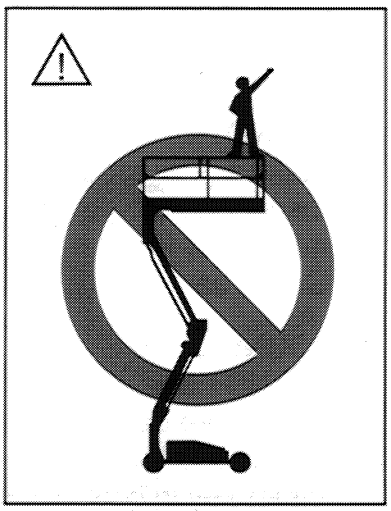
If there is anything you do not understand, or if you have questions regarding the operation of the Genie Vertical Lift, call Genie Industries in the U.S.A. or Canada, 800/536-1800 or 425/881-1800, or FAX 425/885-4638. In Europe call 44/01636-605030, or FAX 44/01636-611090.



Do not use machine or position platform within 10 feet (3m) of power lines. This machine is not electrically insulated.



Do not raise platform unless machine is on firm level surface.



Do not stand on guard rails. Securely place working loads on platform floor.

SAFETY RULES

- On a daily basis before using the Genie Vertical Lift, conduct a visual inspection and functional test as detailed on pages 4-5 of these operating instructions and on the operating instructions on the unit.
- Check the area in which the aerial platform is to be used for possible hazards such as drop-offs, holes, bumps and floor obstructions, debris, overhead obstructions and high voltage conductors.
- The aerial platform must be on a firm level surface before elevating the platform. Do not drive while elevated except on a firm level surface.
- Close platform access openings before operating the aerial platform.
- Batteries must be charged in an open, well-ventilated area free of flame, smoke, sparks, and fire.

  Batteries emit an explosive gas during charging.
- Maintain firm footing on the platform floor. Do not sit, stand or climb on guard rails.
- Working loads must be securely placed on platform floor. Do not attach overhanging loads. Do not use ladders or scaffolding on or against the platform.
- Do not operate or position aerial platform within 10 feet (3m) of power lines.

  This machine is not electrically insulated.

WARNING: FAILURE TO UNDERSTAND AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS MIGHT RESULT IN SERIOUS INJURY OR DEATH.

PRE-OPERATIONAL & SAFETY INSPECTION

PRE-START

- DO NOT OPERATE A DEFECTIVE MACHINE.
- Make a walk around check of machine before operating.
- Inspect for frayed control cables, hydraulic oil leaks, missing or loose bolts, proper tire pressure, missing or loose wheel lug nuts, weld or structural cracks and any other defects or missing parts.
- Check battery pack condition and hydraulic oil level.

GROUND CONTROL TEST

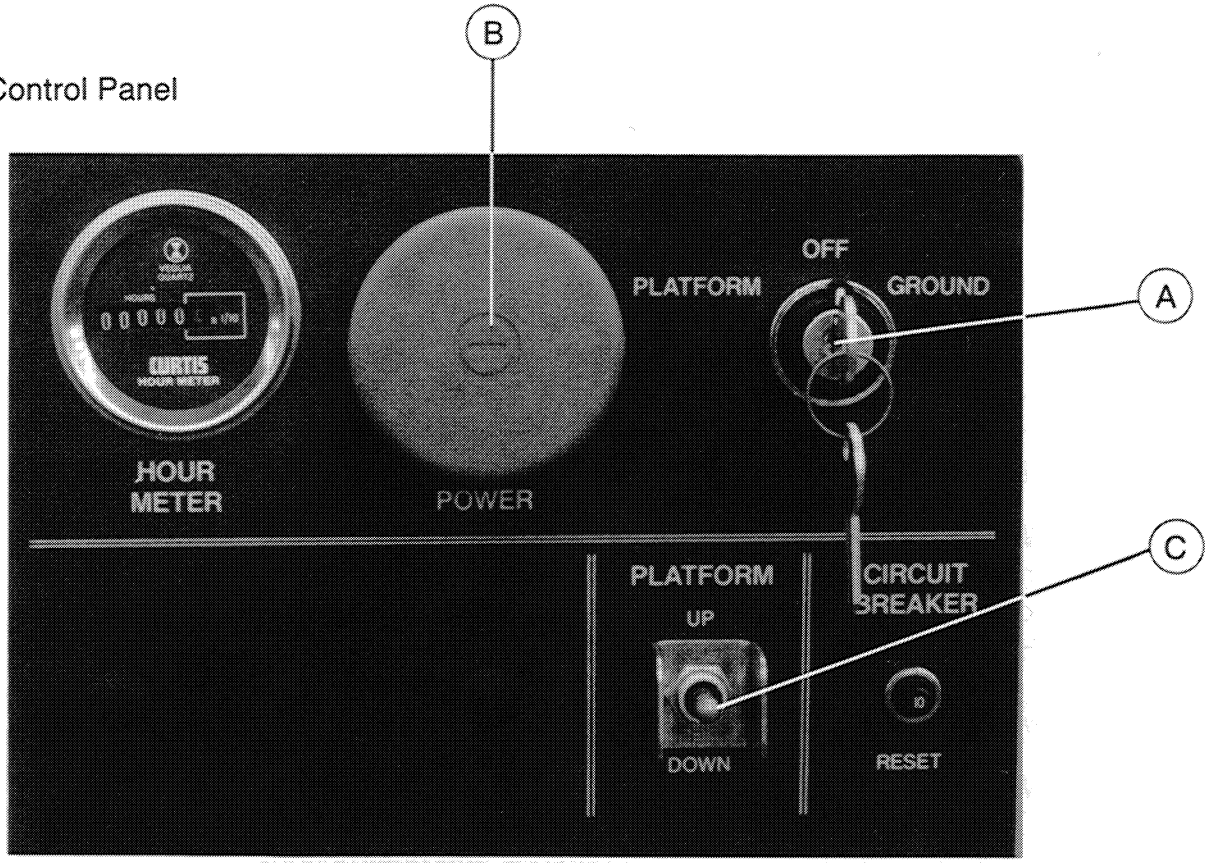
- DO NOT ELEVATE PLATFORM UNLESS MACHINE IS ON A FIRM LEVEL SURFACE.
- Make sure batteries are properly connected.
- Check overhead for personnel, electrical cables, lights and other obstructions before operating.
- Insert key in control switch (Photo 1, detail A) and rotate to GROUND.
- Pull out red POWER button. To stop all functions, push in red POWER button (Photo 1, detail B).
- Operate PLATFORM switch in both directions to ensure proper operation (Photo 1, detail C). Repair any defective functions.
- Switch key to PLATFORM (Photo 1, detail A).

PLATFORM CONTROL TEST

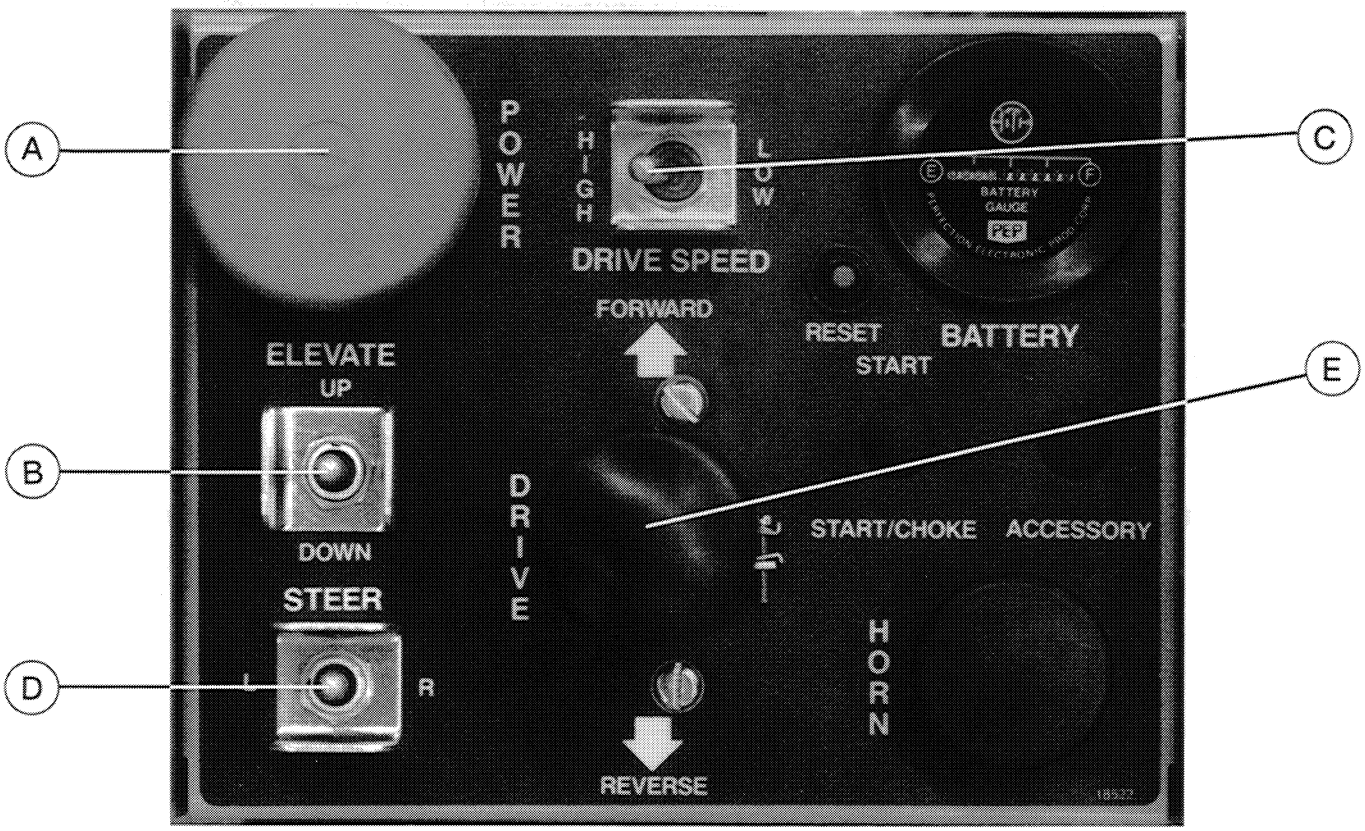
- DO NOT OPERATE A DEFECTIVE MACHINE.
- Check surface area for possible drop-offs, holes, bumps, floor obstructions and personnel before driving or steering. DO NOT ELEVATE PLATFORM UNLESS MACHINE IS ON A FIRM LEVEL SURFACE.
- Make sure platform access closure is closed completely.
- Pull out red POWER button. To stop all functions, push red POWER button (Photo 2, detail A).
- Operate horn. Repair if it does not sound.
- Operate ELEVATE switch in both directions to ensure proper operation (Photo 2, detail B).
- Switch DRIVE SPEED (Photo 2, detail C) to LOW.
- Operate STEER switch L (left) or R (right) (Photo 2, detail D). Repair any defective functions.
- Move DRIVE lever just off center in both FORWARD and REVERSE directions to ensure proper operation of each (Photo 2, detail E). Repair any defective functions. NOTE: LIFT MECHANICAL LOCK ON DRIVE LEVER TO MOVE FORWARD OR REVERSE.
- Switch DRIVE SPEED (Photo 2, detail C) to HIGH.
- Move DRIVE lever just off center in both FORWARD and REVERSE directions to ensure proper operation of each (Photo 2, detail E). Repair any defective functions.

Contact your authorized Genie Service Center for information regarding service and repairs.

1 — Ground Control Panel



2 — Platform Control Panel



OPERATING INSTRUCTIONS

BEFORE OPERATING MACHINE UNDERSTAND FUNCTIONS OF ALL CONTROLS

EMERGENCY STOP

- To deactivate elevate and drive control, push red POWER button (Photo 2, detail A). Operate all functions to test for proper shut down. Repair if any function operates with POWER button pushed in.

RAISING AND LOWERING PLATFORM

- DO NOT ELEVATE PLATFORM UNLESS MACHINE IS ON A FIRM LEVEL SURFACE.
- Check below and overhead for personnel, electrical cables, lights and other obstructions before raising or lowering platform.
- Make sure platform access closure is closed completely.
- Operate ELEVATE toggle switch UP or DOWN in desired motion direction (Photo 2, detail B).

TRAVELING WITH PLATFORM DOWN

- Maximum travel speed is attainable only when platform is down.
- Always check to be sure route is clear of persons and obstructions.
- Select HIGH or LOW drive speed to meet travel and safety conditions (Photo 2, detail C).
- To increase speed, move DRIVE lever slowly in desired direction of travel (Photo 2, detail E).
- To slow down to stop, move DRIVE lever slowly to center position (Photo 2, detail E).

TRAVELING WITH PLATFORM UP

- OPERATE ON FIRM LEVEL SURFACE ONLY.
- Always check to be sure route is clear of persons and obstructions.
- With platform up, machine travel speed is restricted.
- To increase speed, move DRIVE lever in desired direction of travel (Photo 2, detail E).
- To slow down or stop, move DRIVE lever slowly to center position (Photo 2, detail E).

AUXILIARY LOWERING

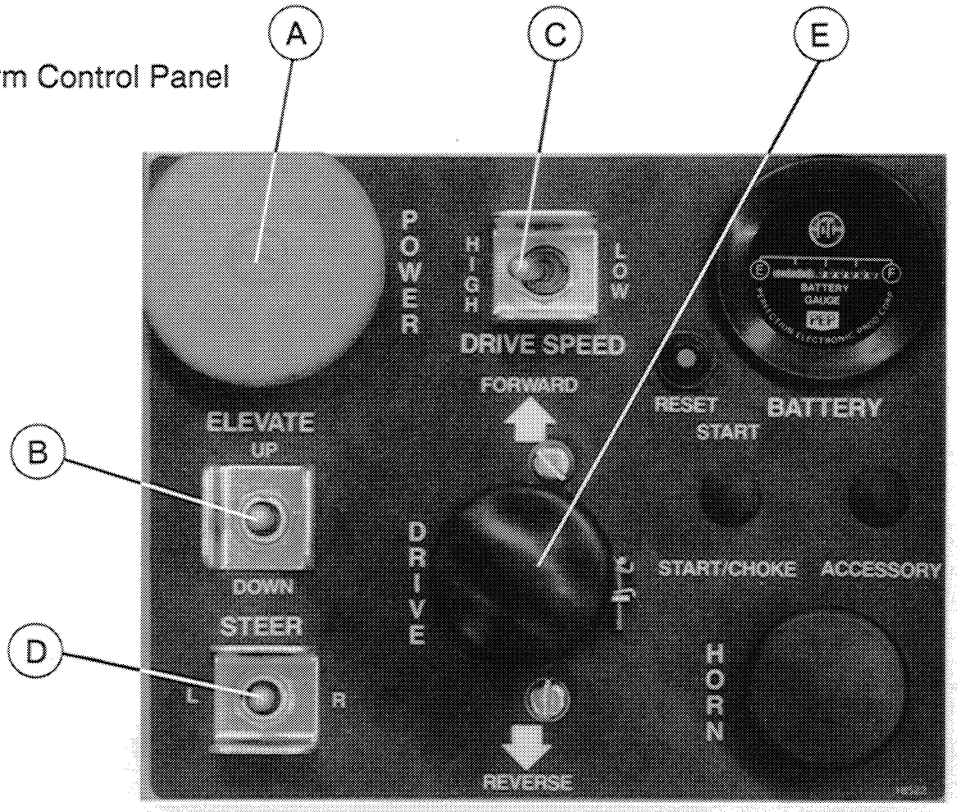
- IF PLATFORM FAILS TO DESCEND, NEVER CLIMB DOWN ELEVATE ASSEMBLY. Ask person on ground to actuate manual lowering valve to lower platform (Photo 3). The manual lowering valve is attached to the base of the elevate cylinder at the ground control station. Check for obstructions before lowering platform.

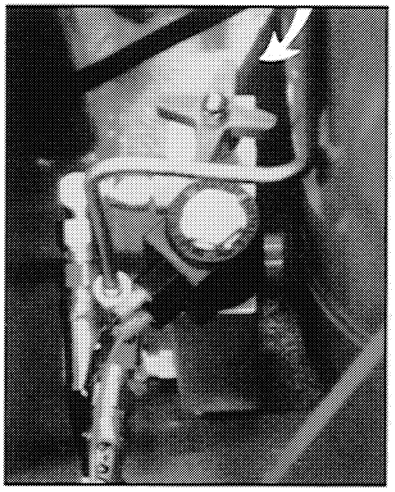
SLIDE DECK (Accessory)

- Push down on slide deck latch (photo 4) until pin is completely disengaged.
- Grasp the slide deck handle (photo 5) and push out platform deck.
- Pull up on slide deck latch until pin is completely engaged to lock slide deck.

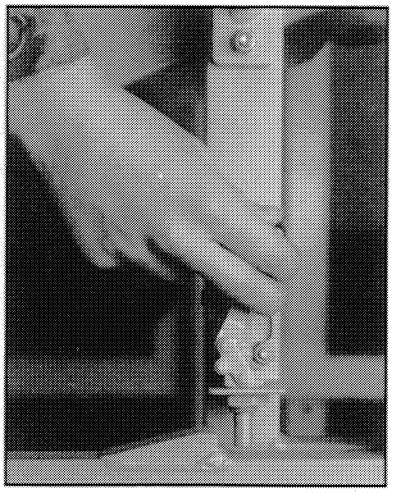
MAXIMUM PLATFORM CAPACITY		LOAD DISTRIBUTION	
MODEL	STANDARD PLATFORM (or optional slide deck retracted)	PLATFORM WITH OPTIONAL SLIDE DECK EXTENDED LOAD CAPACITY ON PLATFORM	LOAD CAPACITY ON EXTENSION DECK
V-1832	750 lbs. (335 kg)	450 lbs. (200 kg)	300 lbs. (135 kg)
V-1854	1000 lbs. (460 kg)	700 lbs. (325 kg)	300 lbs. (135 kg)
V-2470	1250 lbs. (570 kg)	950 lbs. (435 kg)	300 lbs. (135 kg)

2 — Platform Control Panel

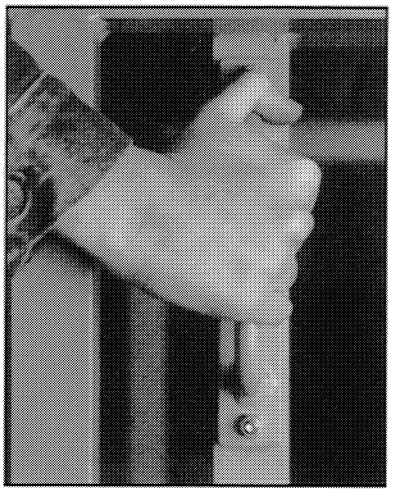




3 — Auxiliary Lowering



4 — Slide Deck Latch



5 — Slide Deck Handle

TRANSPORT

SECURING TO TRUCK OR TRAILER FOR ROAD TRANSIT

- Weight of Genie V-1832 is 3,800 lbs. Weight of Genie V-1854 is 4,000 lbs. Weight of Genie V-2470 is 5,200 lbs.
- Use chains or straps of ample load capacity.
- Always chock wheels on truck or trailer bed (see instructional decal on machine).
- Use tie points on chassis for anchoring down to truck or trailer bed (see instructional decal on machine).
- Turn off master power key and remove key before transporting (Photo 6).

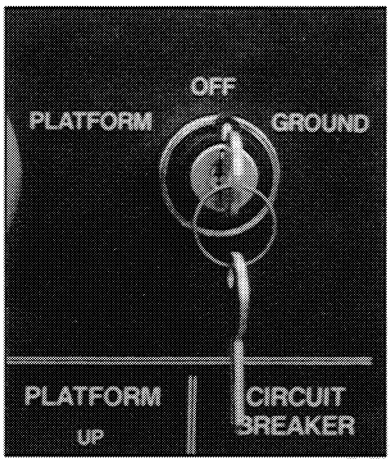
MOVING A DISABLED MACHINE

To release brake:

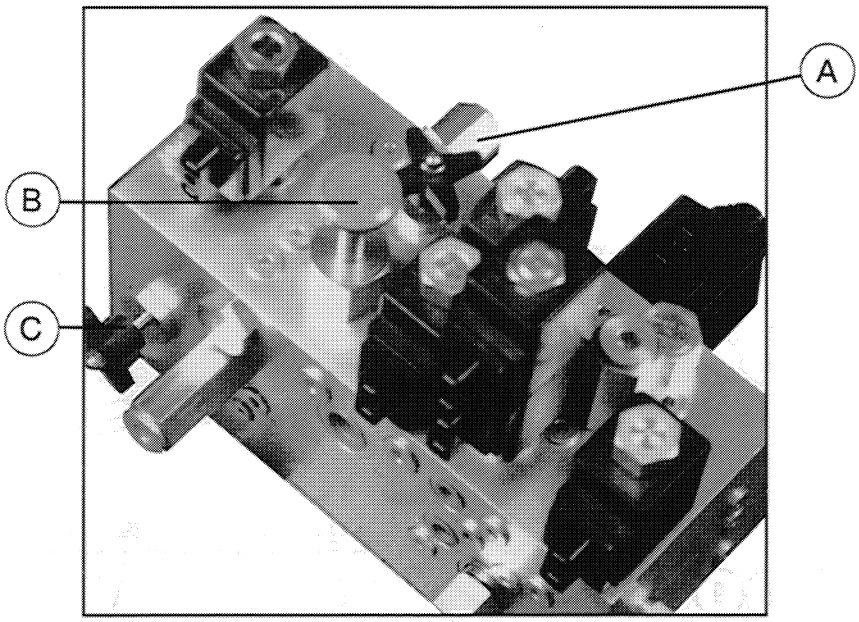
- Close brake isolator valve (Photo 7, detail A) by turning it clockwise.
- Pump the brake release pump (Photo 7, detail B) 5-10 times.
- Open drive motor loop valve (Photo 7, detail C) by turning it counterclockwise.

To re-engage brake:

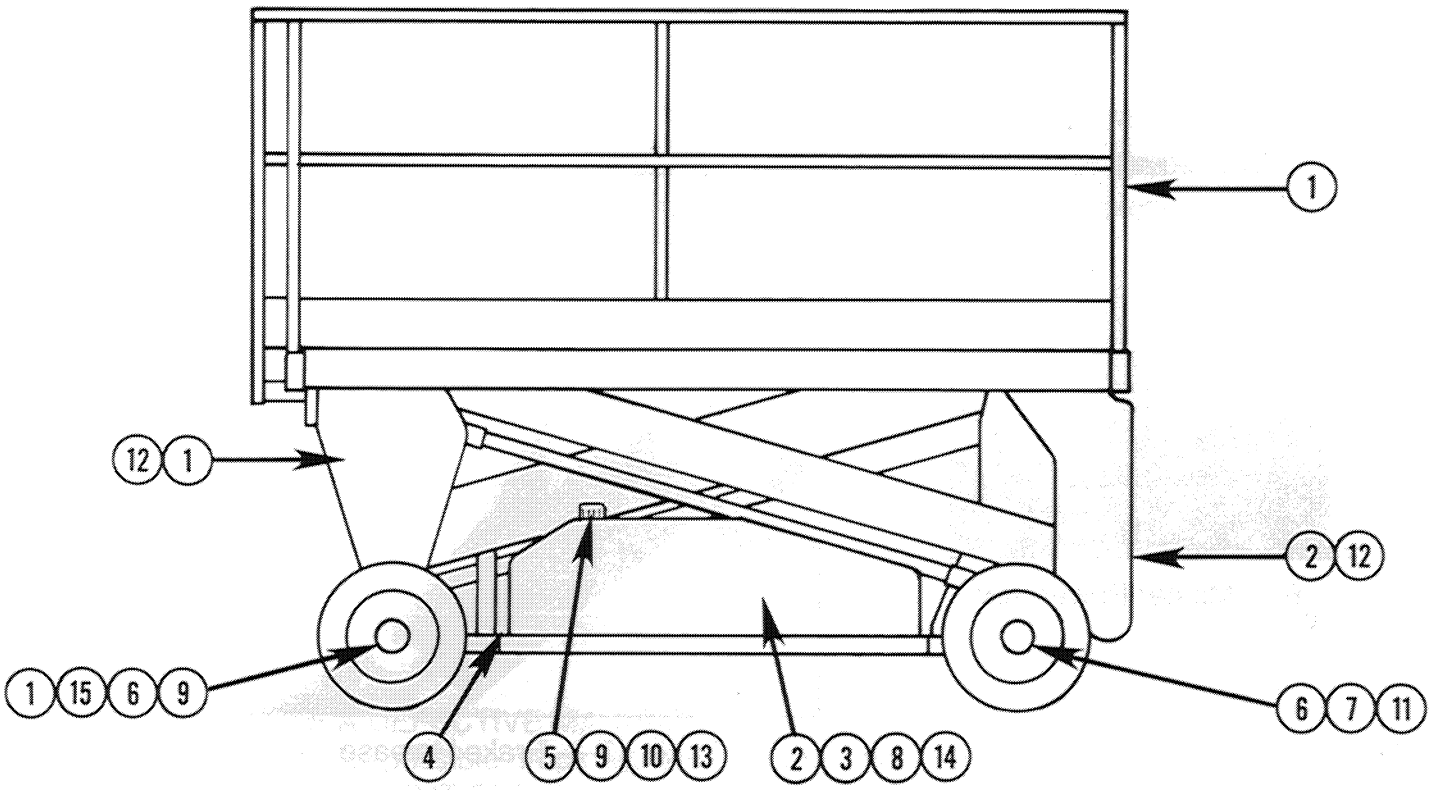
- Open brake isolator valve (Photo 7, detail A) by turning it counterclockwise.
- Close drive motor loop valve (Photo 7, detail C) by turning it clockwise.



6 — Master Power Key



7 — Brake Release



Maintenance Schedule

SERVICE OPERATION	SERVICE INTERVAL			
	*Daily	* Monthly or Every 50 hours	* Every 6 months or Every 250 hours	* Every 2 yrs. or Every 1000 hrs.
(1) Inspect for physical damage	•			
(2) Inspect for hydraulic leaks	•			
(3) Check battery fluid level**	•			
(4) Charge batteries	•			
(5) Check hydraulic fluid level	•			
(6) Check lug nuts *	•			
(7) Check brake operation, bleed if necessary	•			
(8) Check battery condition**		•		
(9) Clean or replace hydraulic tank screen			•	
(10) Change hydraulic filter			•	
(11) Change oil in drive gear box (model V-2470 only)			•	
(12) Inspect all boom linkage pivot points for wear			•	
(13) Change hydraulic oil				•
(14) Check electric motor brushes				•
(15) Repack front axle bearings				•

* For complete list of required Maintenance Service consult Operating and Maintenance Manual.

** Applies to standard (non-maintenance-free) batteries only

WARRANTY

GENIE INDUSTRIES, INC. standard warranty for your Genie Vertical Lifts covers repairs or adjustment of manufactured and installed parts and equipment which prove defective in material or workmanship for a specified period from the effective date of warranty, but only such defects as results from normal use. Coverage periods are as follows:

- Structural steel components and bushings .....5 years
- Hydraulic componentry .....3 years
- Electric componentry .....1 year
- Batteries .....90 days

(100% replacement warranty from date unit ships from manufacturer)

Items specifically not covered under warranty and/or exceptions to warranty include:

- Tires
- Covers
- Filters

Repairs required as a result of the following are not covered under warranty:

- Damage from environment:
  - . airborne fallout
  - . chemicals
  - . salt
  - . sandblasting
  - . job-site hazards
  - . lightning
  - . floods
  - . other acts of God
- Damage due to alterations, misuse or accidents:
  - . fire
  - . accidents
  - . abuse
  - . negligence
  - . objects striking machine
  - . misuse of the machine
  - . adjustments to components not complying to Genie specifications
- Damage resulting from improper maintenance or failure to follow established maintenance schedule.
- Damage to the finished appearance from normal deterioration due to use and exposure.

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.

SELLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND SPECIFICALLY MAKES NO WARRANTY AS TO MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

Qualification for warranty coverage is conditioned upon completion and filing of a "Product Warranty Registration" form within 30 days of original invoice, or from the date the equipment is first put into service, whichever comes first, and upon prompt notice of the claimed defect. Receipt of the "Product Warranty Registration" form by Genie Industries establishes the effective date of warranty. Seller must be given an opportunity to examine any defect before any alteration is made.

Seller reserves the right to make any 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 Vertical Lifts or accessory previously purchased.

This warranty supersedes all other warranties, stated or published.

For more information regarding this warranty, please contact the Genie Customer Service Department toll free at 800-536-1800.

All other manufacturers' warranties in excess of Genie warranty will be assigned to purchaser.

Genie Industries

Home Office: 18340 NE 76th Street • P.O. Box 97030, Redmond, Washington, U.S.A. 98073-9730 • (425) 881-1800 • Toll Free 800-536-1800 • Fax (425) 885-4638
European Office: Brunel Drive • Newark • Nottinghamshire • England NG24 2EG • (44) 01636-605030 • FAX (44) 01636-611090

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