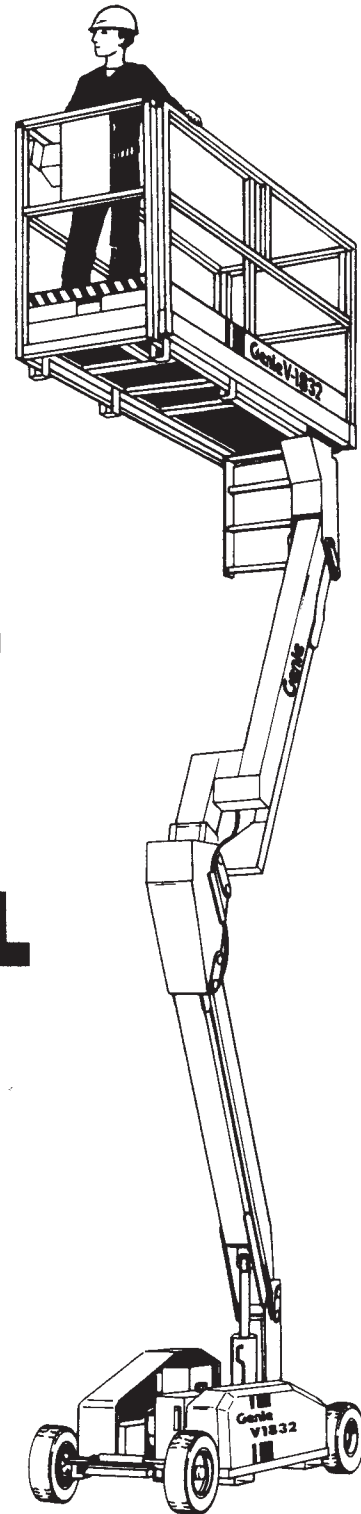
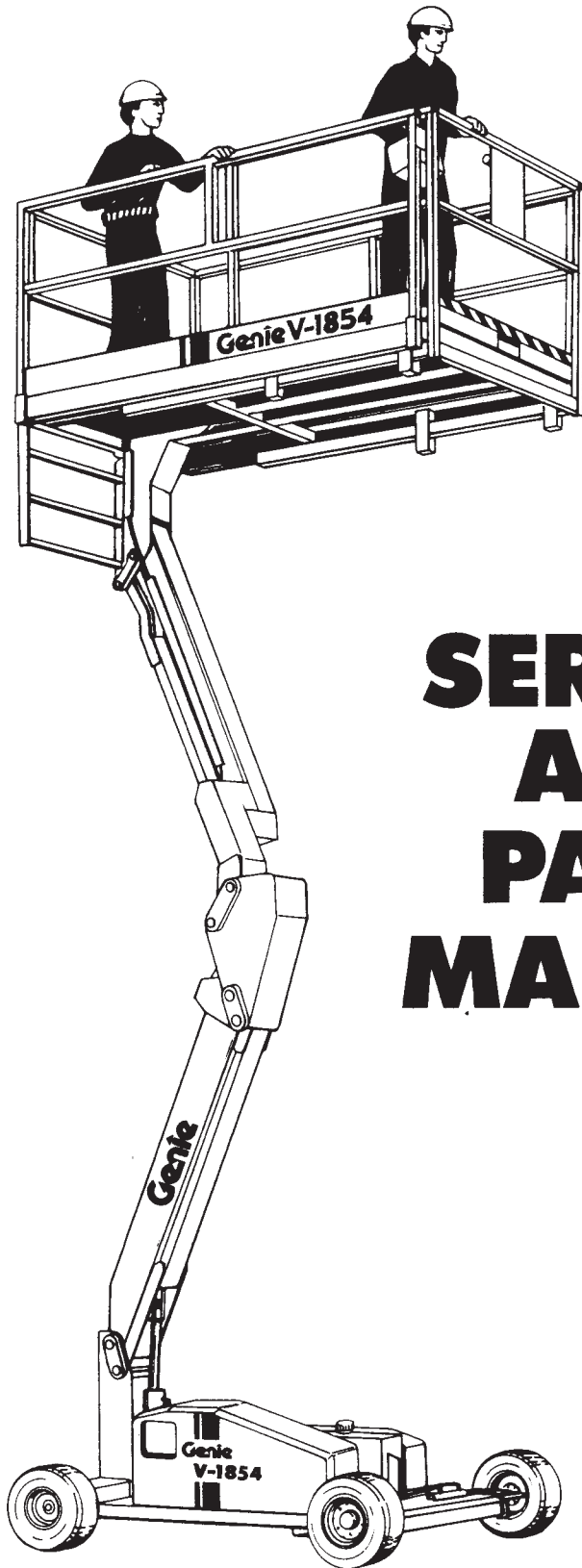


Genie V-1832 & V-1854 VERTICAL LIFTS



SERVICE AND PARTS MANUAL

Part No. 25183

Genie Industries

CONGRATULATIONS!

You now own the most stable and durable vertical lift on the market today--a Genie Vertical Lift. Genie takes pride in designing products that stand for quality, value, and service. You can be assured that your new Genie Vertical Lift will offer all of these.

This manual has been prepared to assist you with the initial unpacking and operation of your new Genie Vertical Lift. In addition, this manual will illustrate how to transport and troubleshoot the machine, as well as how to perform periodic maintenance.

We have tried to answer all possible questions and project any service situation that you might encounter. But, as with any publication of this type, we cannot guarantee that it is all inclusive. If you have a question or situation that has not been addressed in this manual, please contact us. **WE RELY ON YOUR FEEDBACK!**

Write: GENIE INDUSTRIES
 Attention: Service Manager
 18340 North East 76th Street
 P.O. Box 69
 Redmond, WA 98073-0069

Call: Toll free, 800-426-8089
 In Washington state (206) 881-1800

Once again, congratulations on the purchase of your new Genie Vertical Lift. We are confident it will provide you with quality, value and years of service.

Sincerely,

GENIE INDUSTRIES



Steve Gooding
Genie Service Department Manager

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INTRODUCTION

1.1 PURPOSE

This manual provides instructions for the operation and maintenance of the Genie Vertical Lift, models V-1832 & V-1854. After reading this manual be sure to keep it as a ready reference. If you require further information:

Write: GENIE INDUSTRIES
Attn: Customer Service Department
18340 North East 76th Street
P.O. Box 69
Redmond, WA 98073-0069

Call: Toll free, 800-426-8089
In Washington state (206) 881-1800

Telex: 152351

Fax: (206) 885-4638

We are happy to help you and answer any questions you may have about your Genie Vertical Lift.

All information, illustrations and product descriptions contained in this manual are valid at the time of publication.

Genie Industries reserves the right to make changes in design, additions to, or improvements on any Genie products without imposing any obligation upon itself to install them on previously manufactured products.

1.2 ITEM DESCRIPTION

Physical

The Genie Vertical Lift V-1832 & V-1854 are two person self-propelled, integral frame, elevating work platforms. The machines are capable of elevating personnel, along with their tools and materials, to a platform height of 18 ft. (5.5 m). The machines have an obstacle clearance of 3.25 in. (82 mm), a high center clearance of 5.5 in. (140 mm), and a stowed height of 6 ft. 7 in. (2 m).

V-1832: Chassis width is 33 in. (.84 m), allowing the machine to easily be driven through a standard 3 ft. x 6 ft. 8 in. (.91 m x 2.03 m) single doorway.

V-1854: Chassis width is 54 in. (1.37 m), allowing the machine to easily be driven through a standard 6 ft. x 6 ft. 8 in. (1.83 m x 2.03 m) double doorway.

Power

Power for all machine functions of the Genie Vertical Lift V-1832 & V-1854 are provided by stored electrical energy. All machine functions (for both machines) are operated by a hydraulic pump. The pump, powered by an electric motor, supplies hydraulic oil to the machine function actuators.

Movement

With the platform fully lowered, the machines have a variable drive speed of 0-3 mph (0-4.8 km/h) and a gradeability of 25%. Drive speed decreases to 0.8 mph (1.3 km/h) when traveling with the platform elevated.

V-1832: With wheels turned to maximum in either direction, the V-1832 has an outside turning radius of 12 ft. 4 in. (3.8 m) and inside turning radius of 7 ft. 9 in. (2.4 m).

V-1854: With wheels turned to maximum in either direction, the V-1854 has an outside turning radius of 14 ft. 4 in. (4.4 m) feet and an inside turning radius of 8 ft. 4 in. (2.5 m).

NOTE: For a complete description of Genie Vertical Lift machine functions, refer to section 3.5, Theory of Operation.

1.3 IDENTIFICATION

Genie Industries

MODEL NO. [] SERIAL NO. []

RATED WORK LOAD [] LBS.

PLATFORM HEIGHT [] FT.

NOMINAL OPERATING VOLTAGE [] VOLTS


MAX. HYDRAULIC SYSTEM PRESSURE [] PSI.

THIS EQUIPMENT COMPLIES WITH ANSI STANDARD A92. []

BEFORE OPERATING, READ AND UNDERSTAND ALL OPERATIONS AND SAFETY INFORMATION IN MANUAL AND ALL INFORMATION ON THIS PLACARD.

INSPECT EQUIPMENT FOR DAMAGE AND EXCESSIVE WEAR DAILY BEFORE USE REPORT ANY DEFECTS IMMEDIATELY AND DO NOT USE EQUIPMENT UNTIL CORRECTED.

THIS EQUIPMENT IS NOT ELECTRICALLY INSULATED.

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45228

This identification plate (above) is attached to the base weldment (at the time of manufacture) of every Genie Vertical Lift. Refer to the following page for a complete description of each item listed on the plate.

1.4 OPERATION

The Genie V-1832 & V-1854 are controlled from the platform control station. This control station consists of a DRIVE Forward/Reverse joystick, a DRIVE SPEED High/Low toggle switch, STEER Left/Right toggle switch, and an ELEVATE Up/Down toggle switch.

To operate the machine, the operator turns the key switch to the PLATFORM position and pulls up on the red POWER On/Off button located on the ground control station. The operator may now enter the platform and pull up on the platform control station red POWER On/Off button. The machine is now operational.

The machine may then be driven to the work location, and the platform elevated to the task. The chassis may be repositioned while the platform is elevated by driving the machine to the desired position.

IMPORTANT: NEVER ELEVATE THE PLATFORM OR DRIVE THE MACHINE WITH THE PLATFORM ELEVATED UNLESS THE MACHINE IS ON A FIRM LEVEL SURFACE.

The ground control station offers control for the elevate function. In the event of a control circuit or hydraulic system power loss, the machine incorporates a manual lowering valve, located at the base of the elevate cylinder. At the end of each day the key switch should be turned off and the integral battery charger connected to the appropriate AC power source.

NOTE: Refer to the Vertical Lift Operation Instructions in section 3.3 for a detailed description of how to operate your Genie Vertical Lift.

SAFETY

SAFETY