Condor Scissors Lift V1433 V1833 Ops 92377 Parts Book

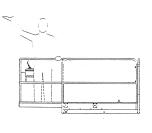
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SELF-PROPELLED ELEVATING WORK PLATFORM

MODEL V14/1833-XL

OPERATOR'S SECTION





SHIPPING ADDRESS TIME CONDOR Corporation

> 8300 Imperial Drive Waco, Texas 76712 (254) 420-5200



MAILING ADDRESS

TIME CONDOR Corporation

P.O. Box 21447 Waco, Texas 76702-1447 (254) 420-5200

MANUAL 92377-001 March 1998

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INTRODUCTION

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The primary purpose of this manual is to provide the user with a thorough understanding of the proper operating procedures necessary to comply with the intended use of the **CONDOR**[®].

THIS MANUAL MUST BE RETAINED ON THE CONDOR® AT ALL TIMES.

Do not attempt to operate this CONDOR® until you have read and understood all information provided in this manual. Familiarize yourself with the functions and operations of the upper and lower controls. A good understanding of the controls, their limitations, and their capabilities will maximize operating efficiency. The various decals attached to this CONDOR® contain vital information. Read all decals before operating this CONDOR®.

It is YOUR RESPONSIBILITY to follow procedures while operating this **CONDOR**[®]. The manufacturer of this **CONDOR**[®] cannot control the wide range of applications that may be used in carrying out a variety of jobs. Therefore, IT IS THE USER'S RESPONSIBILITY to consider all of the personnel when making decisions regarding the intended use of this **CONDOR**[®].

It is also YOUR RESPONSIBILITY to understand and obey all federal, state, and local regulations regarding the operation and use of aerial work platforms. A copy of the ANSI/SIA A92.6-1990 Manual of Responsibilities is attached for your use.

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SERVICE & MAINTENANCE

Many of the parts used in the manufacture of this **CONDOR**[®] have specific properties, and the manufacturer recommends that replacement parts be purchased through Condor Div. in order to ensure the original integrity of the product. Repairs and adjustments should only be made by trained and qualified personnel. Please refer to the maintenance and parts sections of the Condor Operation, Parts & Maintenance Manual for information on service and maintenance of this **CONDOR**[®].





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2. There are numerous written Maintenance Procedures available for this CONDOR®. These procedures are available through the CONDOR® Service Department to anyone who requests them.

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4. CONDOR® Service School Training Manuals are available for purchase through the parts department. The part numbers for these manuals are: #92333 for self-propelled models; and #92334 for truck-mounted models.

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PREPARATION, INSPECTION, AND I. MAINTENANCE

The condition of this CONDOR® is very important, as it directly affects the operator as well as others. The operator must perform a thorough walk-around inspection each day prior to operating the CONDOR®. Any damage or faulty operation should be reported immediately. A DO NOT OPERATE tag outlining the problem should be attached to the lower control station and any discrepancies should be corrected before operating this CONDOR®.

KNOW THIS CONDOR® AND ITS CAPABILITIES. REPORT ANY UNUSUAL **OPERATION, SUCH AS ERRATIC SWAY OR** MOTION OF THE ARMS OR PLATFORM.

Some major areas to check daily are:

A. OVERALL MACHINE CONDITION

MISSING, BROKEN, OR DAMAGED PARTS:

Check cylinder mounting pins, pivot pins, pin retainers, bearing pads, bolts, and nuts.

STRUCTURAL:

Check for damaged or cracked welds on structural components-arms, platform, chassis.

TIRES AND WHEELS:

Check for cracks, tears, cuts, or missing or loose lug nuts (a rust line running down the rim from the lug nut indicates a loose lug nut).

STEERING:

Check steering link to knuckle

connections and steering cylinder for proper and secure mounting.

BRAKES:

Check for abnormal wear between deadbolts and hubs, and for loose or missing bolts, nuts, and pins.

DECALS:

Check that all decals and warning signs are in place and are clearly legible.

CAUTION

Defective components, structural damage, missing parts, and equipment malfunction jeopardize the operator and other personnel and may cause excessive damage to the unit. A poorly maintained CONDOR[®] could become the greatest operational hazard you may encounter.

B. LOWER CONTROLS

Check that all functions operate properly, that switches return freely to neutral position. Do not operate the CONDOR® with sticking controls

C. EMERGENCY LOWERING

Check emergency lowering function by pulling red T-handle.

D. PLATFORM AND UPPER CONTROL STATION



Check that lift-up entry gate is functional and that chain is secure.

Re-check the structural condition of the platform—pins, railings, and floor.

Check for missing bolts & nuts - Replace before operating.

Check that extension deck is locked in place.

Check function of red button. It disconnects power to the controls and, when pushed, stops all powered functions.

Check that drive control lever returns freely to neutral.

E. HYDRAULIC SYSTEM

Check the hydraulic tank fluid level with the platform all the way down. Fluid must be visible in sight glass. Add Shell Tellus T-32 Hydraulic Fluid if required. Ensure that the breather cap is clean and in place on the tank.

Check for hydraulic leaks at all fittings and valves.

Check all hydraulic hoses and tubes for damage and kinks.

F. BATTERIES

CAUTION

Keep flame, sparks and metal away from the batteries.

Check Electrolyte level daily in each cell. If necessary, add clear, odorless, mineral free water to bring the level to 1/2" above the top of the separators, or to the Level Indicator (if equipped), in each cell. Only add water after charging cycle is complete. Keep battery tops clean and dry.



Keep vent caps tightly in place.

Check that battery cable connections are tight and clean and free of corrosion.

Make sure the battery charger and the indicator lights and meter are not damaged.

II. CONDOR® OPERATION

<u>CAUTION</u> CONDOR® MUST BE OPERATED ON FIRM, LEVEL GROUND ONLY.

A. RATED WORK LOAD

The platform will support a combined weight equal to the unit's rated work load—including personnel, tools, and equipment—throughout the working envelope of the **CONDOR**®.

Rated work load, on extension deck only, is not to exceed 250 lbs. (113 kg) including one occupant. Total rated work load is not to exceed 600 lbs. for the V1433, 500 lbs. for the V1833.

B. LOWER CONTROLS

CAUTION

ARM STAND MUST BE USED WHEN MAINTENANCE PERFORMED ON CONDOR® REQUIRES SCISSOR ARM'S TO BE RAISED.

1. To engage arm stand, raise platform, then rotate stand until it hangs vertically. Lower the platform until the arm stand rests on the cross tube on the frame. Maintenance can now begin.

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2. To store arm stand, raise platform so that arm stand can be rotated until it rests on the stop provided on the scissor arms.

Turn "controls" switch to "lower" position, to operate from ground.

In an emergency, push red button. To operate, button must be pulled out. (Also, if applicable, battery disconnect switch must be "on" to operate.)

Push "raise" or "lower" switches to move platform.

Turn switch to "upper" position, to operate from platform.

C. UPPER CONTROLS

Turn "controls" switch, on lower control panel, to "upper" position to operate from platform.

NOTE:

Chain should be snapped in place across entry. Gate should be lowered and closed when operating **CONDOR®** from upper controls.

In an emergency, push red button. To operate from platform, both red buttons, on lower and upper controls, must be pulled out.

To raise and lower platform, push and hold the green "power" button, and push the "raise" or "lower" button. Release buttons to stop movement.

Select desired drive speed with the "high/low/ creep" switch. (A limit switch automatically cuts drive speed to "creep" as the platform is raised.)

"XL" MODELS:

To drive forward or reverse, squeeze lever switch on handle, and push or pull handle in the intended direction of travel. Release lever switch to stop movement. Letting go of handle also will stop movement.

NON "XL" MODELS:

To drive foward or reverse, depress foot switch, and engage "Forward/Reverse" toggle switch iin the intended direction of travel.

Brakes are automatically released whenever the drive handle is moved. Let go of the handle to automatically set the brakes.

To steer left or right, squeeze lever switch on handle, and depress rocker switches on top of handle in the intended direction of travel. Steering is not automatically self-centering. Be sure the steering wheels point in the direction you want before letting go of the steer switch.

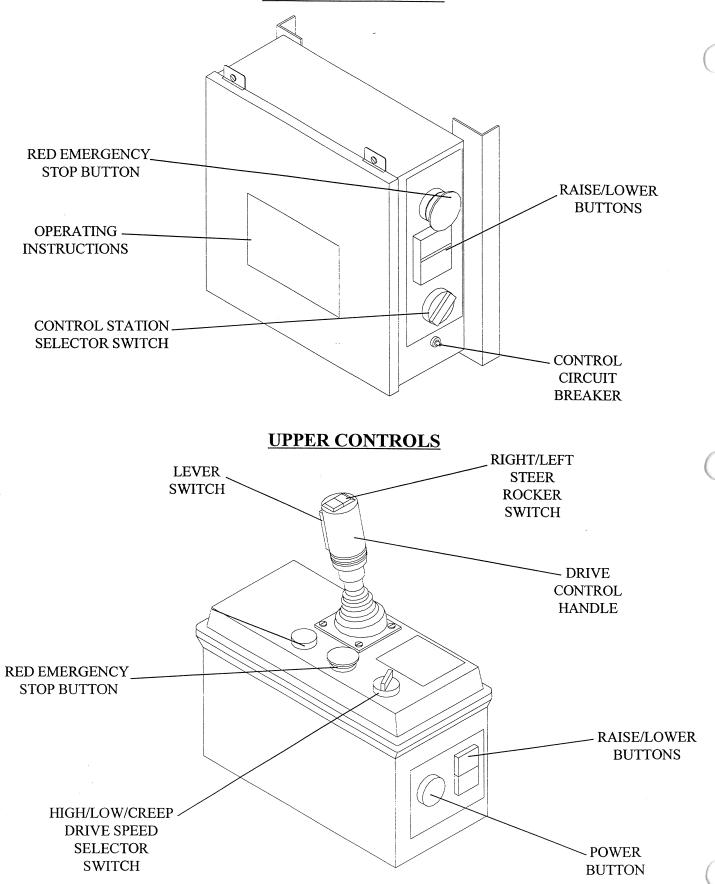
D. EMERGENCY LOWERING

For emergency lowering, grasp the Tee-handle located below the rear bumper. Gently pull to lower the platform. Release handle to stop lowering.

E. LIFT-UP ENTRY GATE

To load 4' wide sheets, lift entry gate up until lockpins snap in place. After loading, pull at both lockpins, to let gate fall into place. Keep gate down, except for loading and unloading.

LOWER CONTROLS



F. DECK EXTENSION

Lift lockpin, at right side of deck, and push extension deck forward (or out). When fully extended, lockpin will automatically lock. To retract, lift lockpin and pull extension deck all the way back until lockpin automatically locks extension deck in place.

<u>CAUTION</u> Do not lower extension deck onto people or any objects!

G. 'REMOVABLE' UPPER CONTROL BOX

Unsnap overcenter latch at bottom of upper control box and pull plug out of receptacle. Bend cable so that plug faces down. Snap cover onto receptacle at bottom of box. Lift box and store it in a secure place to prevent unauthorized use of the **CONDOR®**.

III.<u>MOVING FROM JOB-SITE TO</u> JOB-SITE

A. LOADING AND UNLOADING

Although this **CONDOR**® is somewhat small compared with larger construction equipment, it requires the same care and attention in loading, transporting, and unloading. At no time should its size,or weight be under estimated. Before loading or unloading, inspect the **CONDOR**® for any physical damage or defects.

The means by which you load or unload the **CONDOR**® should be of sufficient strength to withstand its weight.

MODEL	WEIGHT(#)	WEIGHT(KG)
V1433/XL	2,200 lbs.	998 kg
V1833/XL	2,400 lbs.	1089 kg

B. RAMP METHOD

Ensure that the ramp is sufficiently strong to support the weight of the **CONDOR**[®].

The ramp should be set, not steeper than this **CONDOR**®'s rated gradeability, which for Model V1433/XL, V1833/XL is 14° or 25%, or a rise of 30 inches in a run of 10 feet.

Before driving the **CONDOR**[®] on a ramp, lower the platform completely, test the drive/steer controls and the brake system.

> <u>CAUTION</u> Select "low" drive speed, not "high" and not "creep".

The front of the CONDOR® should be uphill, meaning: Drive forward uphill and reverse down.

Keep **CONDOR**[®] in alignment with the ramp during loading and unloading procedures.

C. FORKLIFT LOADING AND UNLOADING METHOD

Ensure that the forklift has sufficient capacity to handle the weight of this **CONDOR**[®].

This **CONDOR**[®] can be lifted from the rear, using the forklift pockets provided.

NOTE THAT THE CENTER OF GRAVITY IS 50 INCHES FROM THE END OF THE **CONDOR**[®].

The **CONDOR**[®] should only be raised to a height sufficient to clear any obstructions.

Keep forklift travel to a minimum, carry **CONDOR**® as close as possible to the ground, and set it down gently.

D. TRANSPORTING

This **CONDOR**[®] can be easily transported between job-sites if the following rules and procedures are followed:

Block all wheels to prevent forward and reverse motion.

Tie down the **CONDOR**[®] with chains or cables, running them through the tie-down holes only. Do not tie down over the guardrails or entry steps.

Always turn the power off at the lower control station.

E. FREEWHEEL OPERATION

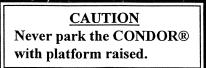
CAUTION

This **CONDOR®** must be on firm, level ground when releasing the parking brakes. To put the **CONDOR®** into freewheel mode, use the brake release handles on the rear axle. One handle is on the front side of the axle and the other is on the rear side of the axle. Turn each release handle 90° and at the same time, slightly rotate it. The brakes are now released. (Released brakes will automatically reset the next time forward or reverse drive is used, then will engage when drive is stopped.)

Never exceed 5 mph when moving the **CONDOR**® in the freewheel mode.

IV. STORAGE

When you get out of the platform, leave it all the way down.



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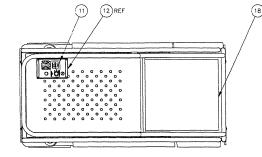
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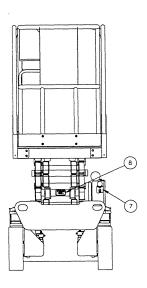
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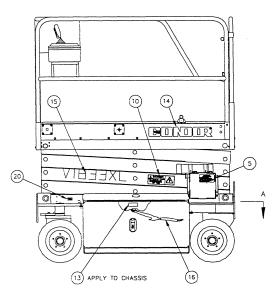
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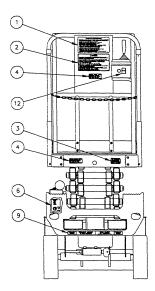
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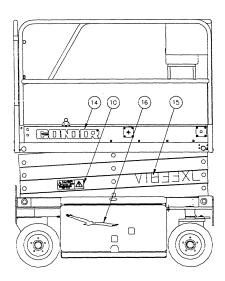


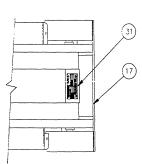












PARTIAL SECTION A APPLIES TO ALL MODELS

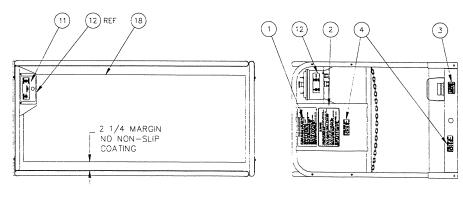
NOTES:

MODEL V1833XL IS ILLUSTRATED, OTHER MODELS ARE SIMILAR.

ITEM	PART NUMBER	DESCRIPTION	QTY
Ref	*55892-104	Decal Kit, V1833XL Essential	Ref
		Decal Kit, V1833 Essential	
	*55892-102	Decal Kit, V1433XL	Ref
	*55892-101	Decal Kit, V1433	Ref
*1		Decal, V Upper Operator Instructions	
		Decal, V XL Upper Operator Instructions	
*2	55894	Decal, V General Caution	1
*3	54652-003	Decal, Guardrail/Chain Caution	1
*4	55944-600	Decal, 250/600 Rated Load V1433/XL	······ 1 2
-		Decal, 250/500 Rated Load V1833/XL	
*5	55877-003	Decal, V14/18 Lower Operating Instructions	1
*6	55877-001	Decal, V14/18 Lower Controls	1
*7	55877-002	Decal, V14/18 Stop/Fuse	1
*8	54652-002	Decal, Arm Strand Caution	1
*9	54984-005	Decal, Rear Bumper	1
*10	55882	Decal, Electrocution Hazard	2
*11	55871-001	Decal, V14/18 Upper Electrical Box Top	1
	55856-001	Decal, V XL Upper Control Box Top	1
*12	55871-002	Decal, V14/18 Upper Electrical Box Front	1
	55856-002	Decal, V XL Upper Control Box	1
13	54984-007	Decal, Hydraulic Fluid	1
14	55940-023	Decal, CONDOR 3.45 x 23	2
15		Decal, V1433XL	
		Decal, V1833XL	
16	55941-017	Decal, Condor Bird	2
17	53259	Tape, Non-Skid Jet Black	1 50LF
18	66921	Coating, Non-Skid Jet Black	25GL
19	55892-DWG	Dwg. V1418 Decal Installation	1
20	54984-006	Decal, 110 Volt Extention To Platform V14/18XL	
31	51340	Namplate Scissors Indentification	Ref.

- Indicates Items Not Shown

*Indicates Included In Essential Decals



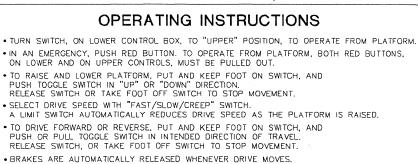
PLANVIEW OF MODELS V1433 & V1833

PARTIAL REAR VIEW OF MODELS V1433 & V1833

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OPERATING INSTRUCTIONS

- TURN SWITCH, ON LOWER CONTROL BOX, TO "UPPER" POSITION, TO OPERATE FROM PLATFORM. • IN AN EMERGENCY, PUSH RED BUTTON. TO OPERATE FROM PLATFORM. BOTH RED BUTTONS. ON LOWER AND ON UPPER CONTROLS, MUST BE PULLED OUT.
- TO RAISE AND LOWER PLATFORM, PUSH AND HOLD THE GREEN "ENABLE" BUTTON, AND PUSH THE "UP" OR "DOWN" BUTTON. RELEASE BUTTONS TO STOP MOVEMENT.
- · SELECT DRIVE SPEED WITH "FAST/SLOW/CREEP" SWITCH.
- A LIMIT SWITCH AUTOMATICALLY REDUCES DRIVE SPEED AS THE PLATFORM IS RAISED. • TO DRIVE FORWARD OR REVERSE, SQUEEZE GRIP SWITCH ON HANDLE, AND PUSH OR PULL HANDLE IN INTENDED DIRECTION OF TRAVEL.
- RELEASE LEVER SWITCH OR LET GO OF HANDLE TO STOP MOVEMENT.
- . BRAKES ARE AUTOMATICALLY RELEASED WHENEVER DRIVE MOVES. RELEASE GRIP SWITCH OR LET GO OF HANDLE TO AUTOMATICALLY SET BRAKES.
- TO STEER LEFT OR RIGHT, SQUEEZE GRIP SWITCH ON HANDLE, AND DEPRESS ROCKER SWITCHES ON TOP OF HANDLE IN INTENDED DIRECTION OF TRAVEL. STEERING IS NOT AUTOMATICALLY SELF-CENTERING. BE SURE STEERING WHEELS POINT IN DIRECTION YOU WANT BEFORE LETTING GO OF SWITCHES.



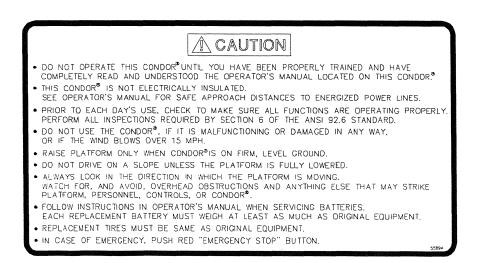
- RELEASE SWITCH OR TAKE FOOT OFF SWITCH TO AUTOMATICALLY SET BRAKES.

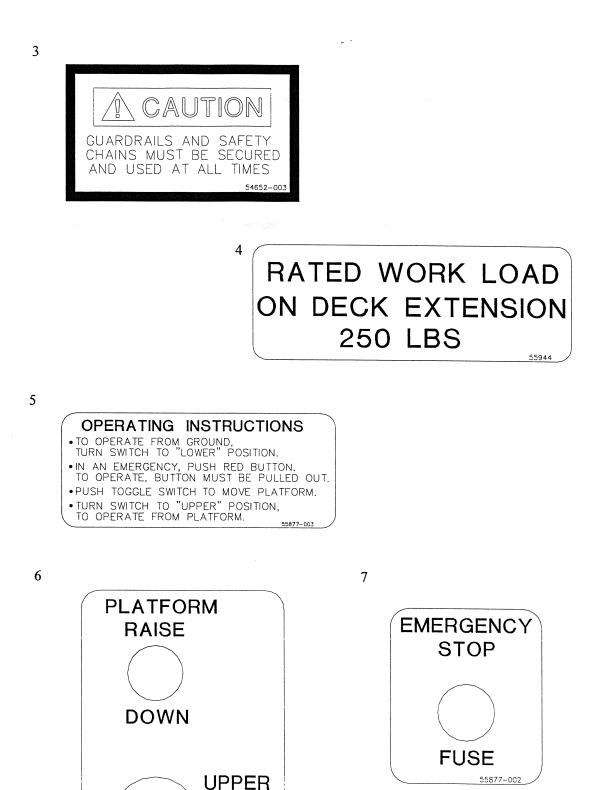
- TO STEER LEFT OR RICHT, PUT AND KEEP FOOT ON SWITCH, AND MOVE "STEERING" SWITCH IN INTENDED DIRECTION OF TRAVEL. STEERING IS NOT AUTOMATICALLY SELF-CENTERING. BE SURE STEERING WHEELS POINT IN DIRECTION YOU WANT BEFORE LETTING GO OF SWITCH.

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LOWER

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FORKLIFT	EMERGENCY LOWERING	BRAKE RELEASE	FORKLIFT
POCKET	PULL T-HANDLE, TO LOWER PLATFORM. RELEASE HANDLE TO STOP MOVEMENT.	ONLY ON FIRM, LEVEL GROUND, ROTATE BOTH LEVERS TO RELEASE BRAKES.	POCKET

10



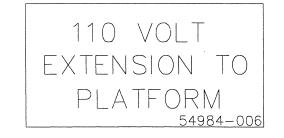


MANUAL 92377-001 March 1998



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O CONRECTORING COMPANY	8300 IMPERIAL DRIVE WACO, TEXAS 76712			
MANUFACTURED IN U.S.A.	SERIAL NO.			
CONDOR MODEL	RATED WORK LOAD			
PLATFORM HEIGHT	HYD. PRESSURE			
SYSTEM VOLTAGE				
THIS UNIT IS NOT ELECTRICALLY INSULATED.				
THIS SELF-PROPELLED ELEVATING WORK PLATFORM CONFORMS O ALL APPLICABLE REQUIREMENTS OF ANSI A92.6-1990 51340 O				

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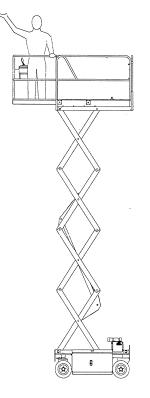


SELF-PROPELLED ELEVATING WORK PLATFORM

MODEL V1433XL, V1433

MODEL V1833XL, V1833

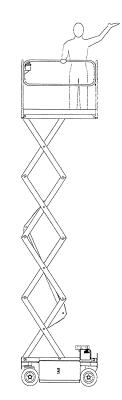
MAINTENANCE SECTION



SHIPPING ADDRESS

CONDOR®

TIME CONDOR Corporation 8300 Imperial Drive Waco, Texas 76712 (254) 420-5200



MAILING ADDRESS

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