Full download: http://manualplace.com/download/condor-scissors-lift-3172-92275-parts-book/



January 1, 1996

O'Flaherty Holdings Limited has announced that two of their U.S.A. holdings will merge into one company. Time Manufacturing and Calavar Corporation, both Waco, TX companies, will merge their operations on 1 January 1996.

Our newly formed company is twice the size with over 600 employees. The company will be called: TIME MANUFACTURING COMPANY. Since Calavar is better known by the CONDOR® product name, the following name change will evolve.

SHIPPING ADDRESS

CONDOR®

A DIV. OF TIME MFG. CO. 8300 IMPERIAL DRIVE WACO, TEXAS 76712 (817) 666-4545

MAILING ADDRESS

CONDOR®

A DIV. OF TIME MFG. CO. P.O. Box 21447 WACO, TEXAS 76702-1447 (817) 666-4545

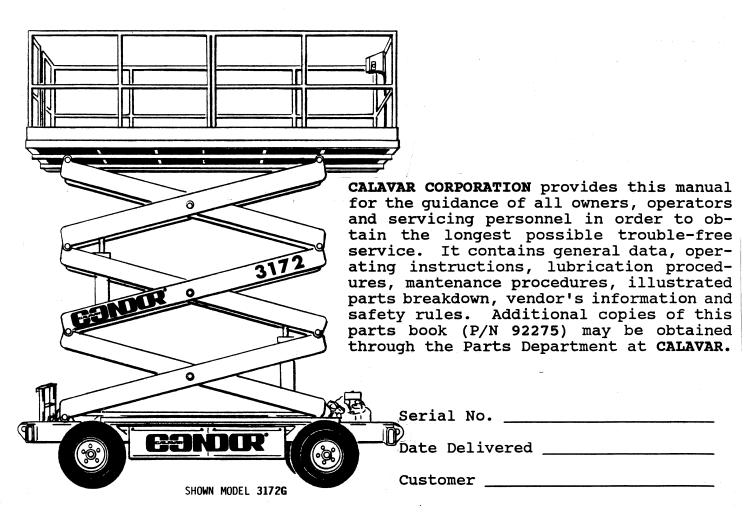
(817) 666-4545 Telephone, (817) 666-5125 Voice Mail, (800) 443-5803 Fax

Our address and phone numbers remain the same as do the names of the people you deal with. We thank you for your business and we thank you for your support.

PARTS MANUAL CALMAND TO THE STATE OF THE ST

SELF-PROPELLED AERIAL WORK PLATFORM

3172 SCISSOR





8300 IMPERIAL DRIVE, WACO, TEXAS 76712 (817)666-4545 FAX (817)666-4544 MANUAL 92275 - OO \
FROM SERIAL NO. 2698
ISSUED DECEMBER 1991

INTRODUCTION

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®, and to provide the information necessary to maintain and service the CONDOR®.

THE OPERATOR'S MANUAL MUST BE RETAINED ON THE UNIT AT ALL TIMES.

Do not attempt to operate or service the 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 and safety. The various decals attached to this machine also contain vital safety and operational instructions. Read the decals before operating this machine.

It is YOUR RESPONSIBILITY to follow safe procedures while operating the CONDOR®. The manufacturer of this unit 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 the safety of all personnel when making decisions regarding the unit's intended use.

It is also YOUR RESPONSIBILITY to understand and obey all federal, state, and local regulations regarding the safe operation and use of aerial work platforms. A copy of the ANSI/SIA 92.6-1990 Manual of Responsibilities is attached for your use.

Calavar Corporation reserves the right to modify, improve, add, and/or delete certain design features of its products without any obligation to incorporate new features into products previously sold. Our manuals are continually updated to reflect these changes.

DO NOT ALTER OR MODIFY THIS UNIT WITHOUT PRIOR WRITTEN APPROVAL FROM THE MANAGEMENT OF CALAVAR CORPORATION

SERVICE & MAINTENANCE

Many of the parts used in the manufacture of the CONDOR® have specific properties, and the manufacturer recommends that replacement parts be purchased through Calavar Corporation 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 Calavar Operation, Maintenance, & Parts Manual for information on service and maintenance of the CONDOR®.

NOTE: Please refer to the Calavar Parts section of the Operation, Maintenance, & Parts Manual for information pertaining to your machine.

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VENDOR SECTION

Kohler M 18S Gasoline Engine Eskridge 95W Multiple Disc Brake Parker Hydraulic Pump TRW MAE Wheel Motor TRW ME Brake Wheel Motor

PARTS SECTION

Illustrated Parts Breakdown

SAFETY SECTION

SPECIFICATIONS

SPECIFICATIONS	MODEL 3172 ELECTRIC	MODEL 3172 GAS			
Stowed Platform Height Overall Length Overall Width Removable Safety Rails		31 ft. 25 ft. 4 ft. 3.5 in. 12 ft. 6 ft. 3 ft. 6 in. 140 x 68.5 in. 1,500 lbs. 5,120 lbs. 18 hp Optional 95 amp 1 12 volt N/A 6 in. 7 ft. 6 in. 5 ft. 1 in. 26 x 12.00 x 12 9 ft. 3.5 in.			
OPERATIONAL FUNCTION TIMES (+ 10%)					
Lift Up Lower Down	19 sec. 22 sec.	19 sec. 22 sec.			
DRIVE SYSTEM TIMES					
High Speed Low Speed Creep Speed High Speed Cut Out Creep Speed Cut Out	3.2 mph 2.5 mph 0.75 mph 8 ft. 11 ft. 6 in.	2.5 mph 1 mph 0.75 mph 8 ft. 11 ft. 6 in.			

The **CONDOR** Model **3172** is designed and built to conform to **CALAVAR'S** understanding and interpretation of all applicable OSHA rules and regulations as well as ANSI standards:

- OSHA Title 29, Paragraph 1910.67 - - Vehicle Mounted Elevating and Rotating Work Platforms Labor
- OSHA Title 29, Paragraph 1926.556 - - Aerial Lifts Construction
- ANSI Standard A92.6-1979 - - - Self-Propelled Elevating Work Platforms

CAUTION

It is imperative that all owners and operators of the **CONDOR** read, understand and conform to these regulations. Ultimate compliance to prevailing OSHA regulations is the **RESPONSIBILITY** of the employer utilizing the equipment.

INTRODUCTION

The primary purpose of this manual is to assist the operator and maintenance personnel to better understand, operate, and maintain the self-propelled CONDOR SCISSOR aerial work platform in a safe and proficient manner.

This manual has been produced as a valuable tool for our customers. It consists of a General section, Vendor section, Illustrated Parts Section, and Safety Section. It is in the best interest of everyone involved with the operation, maintenance, and repair of the machine to READ and thoroughly UNDERSTAND all sections of this manual.

In general, this manual covers the servicing of the machine and associated standard equipment. In some cases CONDORS are supplied with various options and specialized equipment. If service information is not found in this manual and information is required, it is suggested that CALAVAR Customer Service Department be contacted. The proper information will then be forwarded if available at time of request.

All product descriptions, illustrations and specifications were in effect at the time the manual was released for printing. CALAVAR CORPORATION reserves the right to make changes in design or to make additions to or improvements in its products without imposing any obligations upon itself to install them on its products previously manufactured.

1. DESCRIPTION OF SCISSOR

The CONDOR SCISSOR is a vertical Scissor arm aerial work platform and is rugged, maneuverable and safe. It is designed for work on firm level surfaces with normal operation controlled by an operator using a control box in the platform. All operational modes can be accomplished from the platform including drive and steer. The CONDOR provides industrial, construction and maintenance workers the ability to safely elevate and perform installation, maintenance, and replacement tasks.

The Model 3172 is powered by a Kohler Model M18 air-cooled gasoline engine rated, at 18 horsepower, at 3,000 RPM. Electrical unit is powered by six volt D.C., eight batteries producing a 24 volt D.C. system. Each battery is rated at 375 ampere hours. A 24 volt, 40 amp battery charger with 110V input is used to recharge the batteries after each day's use. Hydraulic system is 8.5 GPM @ 3,000 RPM at operating pressure of 2,400 psi.

2. OPERATORS QUALIFICATIONS

Each CONDOR SCISSOR has undergone a thorough Quality Control inspection at CALAVAR. The design incorporates built-in safety features. A person of average skill can readily become proficient and safe in the operation of the CONDOR. It is a personnel lifting device and can be potentially DANGEROUS in the hands of UNTRAINED or CARELESS OPERATORS.

Knowing the characteristics of the machine and function of the controls is important to SAFE, PROPER OPERATION AND USE. Become familiar with the controls and practices will result in smooth, accurate positioning. It is the responsibility of all users to READ and COMPLY with the following RULES and information designed to promote SAFETY and UNDERSTANDING of the CONDOR.

- A thorough understanding of the operating characteristics and limitations of the CONDOR is always the first requirement for any user, regardless of his prior experience with similar types of equipment.
- Only QUALIFIED/TRAINED and AUTHORIZED personnel must be allowed to operate the CONDOR. A QUALIFIED/TRAINED operator is one who has READ and UNDERSTOOD the instructions in this manual, and is thoroughly familiar with the operating characteristics and limitations of the unit.
- KNOW and FOLLOW all cautions, warnings and operating instructions on the CONDOR.

- Repairs and adjustments should be made only by QUALIFIED/TRAINED personnel.
- No MODIFICATION is to be made to the unit without prior written consent of the CALAVAR Engineering Department.
- UNDERSTAND and OBEY all Federal, State and Local statutes and regulations applying to safe operation and use of aerial work platform.

YOUR SAFETY IS OUR UTMOST CONCERN AND YOUR RESPONSIBILITY

3. DANGER, CAUTION and WARNING DECALS are designed for your protection. Know and adhere to the information they provide.



CAUTION
GUARD RAILS AND SAFETY
CHAINS MUST BE SECURED
AND USED AT ALL TIMES

- WARNING -

DO NOT WORK UNDERNEATH THIS LIFT UNLESS ARM STAND IS LOCKED IN PLACE

See Service Manual for Location

UNLAWFUL TO OPERATE THIS EQUIPMENT
CAUTION CAUTION CAUTION
WITHIN 10 FEET OF HIGH VOLTAGE LINES

LOAD CAPACITY (EVENLY DISTRIBUTED LOAD)

MODEL 3172 ----- 1,500 LBS.

CHECK BATTERY WATER LEVEL ONCE A WEEK.

BATTERY CHARGER PLUG 115 VOLT ONLY

This machine has been designed and tested to meet these standards: ANSI A92.2 1969 ANSI A92.3 1973 OSHA GISO 1910.67

FREE WHEELING VALVE

OPERATION SHEET

WARNING: Machine is to be used on level ground only. WARNING: Don't exceed load limit on specific models.

1. STARTING:

- A. Turn Master Disconnect Switch On
- B. Pull out the power switch on the lower control panel.
- C. Push selector switch to UP on the lower control panel.
- D. Pull out the emergency ON/OFF button in the center of the upper control box.

2. STEERING:

- A. The steering is done by pushing in on the dead man switch on the left side of the upper control box and, by pushing the toggle switch for steering.
- B. Pushing the steering switch to the left, the front wheels will go left and remain to the left until the toggle switch is pushed to the right.
- C. The steering switch is a momentary type switch. When the operator releases the switch it will automatically return to the off position.

3. LIFT:

- A. When raising and lowering the platform from the lower control panel, make sure that the selector switch, in the lower control panel, is in the down position. Push the toggle switch for lift to either the up or down position.
- B. Raising and lowering the platform from the upper control box, first make sure that the selector switch in the lower control panel is in the up position. Push in the dead man switch on the left side of the upper control box. At the same time push the lift switch to the up position.
- C. Both lift switches are of the momentary type; when the switch is released it will automatically return to the off position.

4. DRIVE:

- A. Forward and reverse travel is done from the upper control box only.
- B. The machine has two speeds, high and low. Select either high or low speed with toggle switch marked high or low speed.
- C. Push the dead man switch in and then push the toggle switch marked drive forward or reverse.

5. FREE WHEELING:

- A. For loading, Unloading and free wheeling at low speed without damage to any of the components or structure.
- B. Free wheeling valve is on cross member at rear of machine.



Self – Propelled Booms and Scissors WARRANTY

Calavar Corporation ("Calavar") warrants to the purchaser that each new aerial work platform made by Calavar is free from defects in material and workmanship arising under normal use and service, in the case of major weldments (chassis, turret and booms), for a period of 5 years after the original shipment of the aerial work platform from Calavar's plant; and in the case of all other parts, for a period of 1 year after the aerial work platform is first placed in service or two years after the original shipment of the aerial work platform from Calavar's plant, whichever occurs first.

The obligation and liability under this Warranty is expressly limited to repairing or, at Calavar's option, replacing free of charge, at its factory in Waco, Texas or at an authorized repair facility designated by Calavar, the defective part. In no event shall Calavar or its suppliers be liable to the purchaser or any other person for transportation charges or for any incidental, collateral, special or consequential damages, including without limitation damages for loss of profits, loss of customers, loss of goodwill or work stoppage, claims by any party other than the purchaser, or any other similar damages or loss even if Calavar, its suppliers or its representatives have been advised of the possibility of such damages.

Parts claimed to be defective and for which repair or replacement is desired shall be returned transportation **prepaid** to Calavar's factory for inspection. This Warranty applies to replacement parts provided under the terms of this Warranty only for the remainder of the Warranty period applicable to the original purchase.

Any operation of the equipment beyond rated capacity, improper use or application of the equipment, substitution upon it of parts not approved by Calavar or alteration or repair of the equipment by any person not authorized by Calavar shall, at Calavar's option, void this Warranty. Calavar shall have no liability or responsibility for damages resulting from accident or the malfunction of equipment and components not supplied by Calavar.

No agent, employee, distributor, dealer or other representative of Calavar is authorized to modify this Warranty in any way. Accordingly, additional statements or presentations by any such representative, whether oral or written, do not constitute warranties by Calavar and should not be relied upon as limited warranties of Calavar, and no attempt, effort or promise to repair equipment by Calavar or any such representative at any time shall modify or extend this Warranty in any way. If the purchaser has used its own order form, no additional or different warranty terms contained in purchaser's form will be honored by Calavar. This Warranty covers only new and unused aerial work platforms manufactured by Calavar. Products or parts manufactured by others are covered only by such warranties as are extended to the purchaser by Calavar's suppliers.

This Warranty is in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. Any applicable implied warranty shall be limited in duration to the warranty period.

8300 Imperial Drive, P.O. Box 21447, Waco, Texas 76702-1447 • 817-666-4545, 800-877-5544, 817-666-4544 FAX

Effective Date 9/1/90

Form No. 513-3M-392