

# PARTS & INSTALLATION MANUAL

---

## ET6K

---

Included in this manual:

### ET6K

- 2,000 lbs Electric Telescopic Service Crane
- 6 – 10 ft Manual, Pullout, Boom Extension

VENCO VENTURO INDUSTRIES LLC  
12110 BEST PLACE | CINCINNATI, OHIO 45241  
800-226-2238



This manual also available online at [www.venturo.com](http://www.venturo.com).



# TABLE OF CONTENTS

## ET6K (ECBAAB-\*\*) OWNER'S MANUAL

| <u>SECTION 100</u> | <u>DESCRIPTION &amp; SPECIFICATIONS</u>                                          |
|--------------------|----------------------------------------------------------------------------------|
| 26001              | INSTALLATION DIMENSIONS                                                          |
| 27423              | CAPACITY CHART                                                                   |
| 23082              | MOUNTING DIMENSIONS, CRANE BASE MOUNTING PLATE                                   |
| 22686              | 18500-CD MANUAL STABILIZER                                                       |
| 13509              | 13500 MANUAL STABILIZER                                                          |
| 123961             | 23961 MANUAL STABILIZER                                                          |
| 123960             | 23960 MANUAL STABILIZER                                                          |
| <u>SECTION 150</u> | <u>SAFETY</u>                                                                    |
| 850711             | SAFETY & HAZARDS - GENERAL                                                       |
| 850712             | SAFETY & HAZARDS - CONTINUED                                                     |
| 15394              | VEHICLE & CRANE ELECTRIC HAZARD INFORMATION                                      |
| 21353              | SAFETY DECALS                                                                    |
| 21354              | DECALS FOR ET CRANES                                                             |
| 26041              | ADDITIONAL DECALS                                                                |
| 26825              | MODEL & CAPACITY DECALS                                                          |
| <u>SECTION 200</u> | <u>INSTALLATION</u>                                                              |
| 711105             | CABLE & BATTERY REQUIREMENTS - ET & HT CRANES                                    |
| 15660              | CABLE & BATTERY INSTALLATION DRAWING                                             |
| 20906-6            | STABILITY TESTING                                                                |
| 20907              | STABILITY CHART                                                                  |
| 900530A            | OPERATION & MAINTENANCE INSTRUCTIONS                                             |
| 900530B            | OPERATION & MAINTENANCE INSTRUCTIONS                                             |
| 900530C            | OPERATION & MAINTENANCE INSTRUCTIONS                                             |
| 22245              | WIRE ROPE INSTALLATION                                                           |
| 20872              | ADJUSTABLE BOOM REST                                                             |
| <u>SECTION 300</u> | <u>MAINTENANCE &amp; SERVICE</u>                                                 |
| 21982              | LUBRICATION & MAINTENANCE CHART                                                  |
| 19963              | MINIMUM VOLTAGE TEST                                                             |
| 23225              | WIRE ROPE & HOOK SPECIFICATIONS                                                  |
| 23084              | MANUAL OVERRIDE INSTRUCTIONS                                                     |
| <u>SECTION 400</u> | <u>REPLACEMENT PARTS</u>                                                         |
| 26003              | REPLACEMENT PARTS DRAWING                                                        |
| 26036              | REPLACEMENT PARTS LIST                                                           |
| 26004              | REPLACEMENT FASTENERS LIST                                                       |
| 26006              | ANTI-2-BLOCK (A2B) REPLACEMENT PARTS DRAWING / LIST (A2B OPTIONAL, NOT INCLUDED) |
| 21600              | 21515 ELECTRICAL COMPONENT ASSY                                                  |
| 26520              | WIRING DIAGRAM, ET6K SERIES CRANES                                               |
| ▲ 26540            | WIRING DIAGRAM, ET6K SERIES CRANES W/ WINCH CONTACTOR                            |
| 26007              | HYDRAULIC SYSTEM COMPONENTS REPLACEMENT PARTS DRAWING                            |
| 26008              | HYDRAULIC SYSTEM SCHEMATIC                                                       |
| 21292              | REPLACEMENT PARTS LIST; SINGLE / 2-POLE SLIP-RING ASSY.                          |
| 21293              | REPLACEMENT PARTS DRAWING; SINGLE / 2-POLE SLIP-RING ASSY.                       |
| 23076              | 21991 PENDANT; REPLACEMENT PARTS DRAWING / LIST (3 FUNCTION)                     |
| 20837              | 20586 WINCH REPLACEMENT PARTS DRAWING / LIST                                     |
| 26009              | 20456 HYDRAULIC POWER UNIT REPLACEMENT PARTS DRAWING / LIST                      |
| 27041              | 27243 SLEWING REPLACEMENT PARTS DRAWING                                          |
| 22689              | 18500-CD STABILIZER REPLACEMENT PARTS DRAWING / LIST                             |
| 26822              | DECAL PLACEMENT                                                                  |
| 26833              | FIELD SERVICE LABEL KIT                                                          |



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

| TITLE             |
|-------------------|
| TABLE OF CONTENTS |
| ET6K (ECBAAB-**)  |

| DATE       |
|------------|
| 04-06-22H  |
| SUPERSEDES |
| 12-08-20G  |

| SECTION |
|---------|
| -       |
| 26000   |



# **SECTION 100**

## **DESCRIPTION**

**&**

## **SPECIFICATIONS**

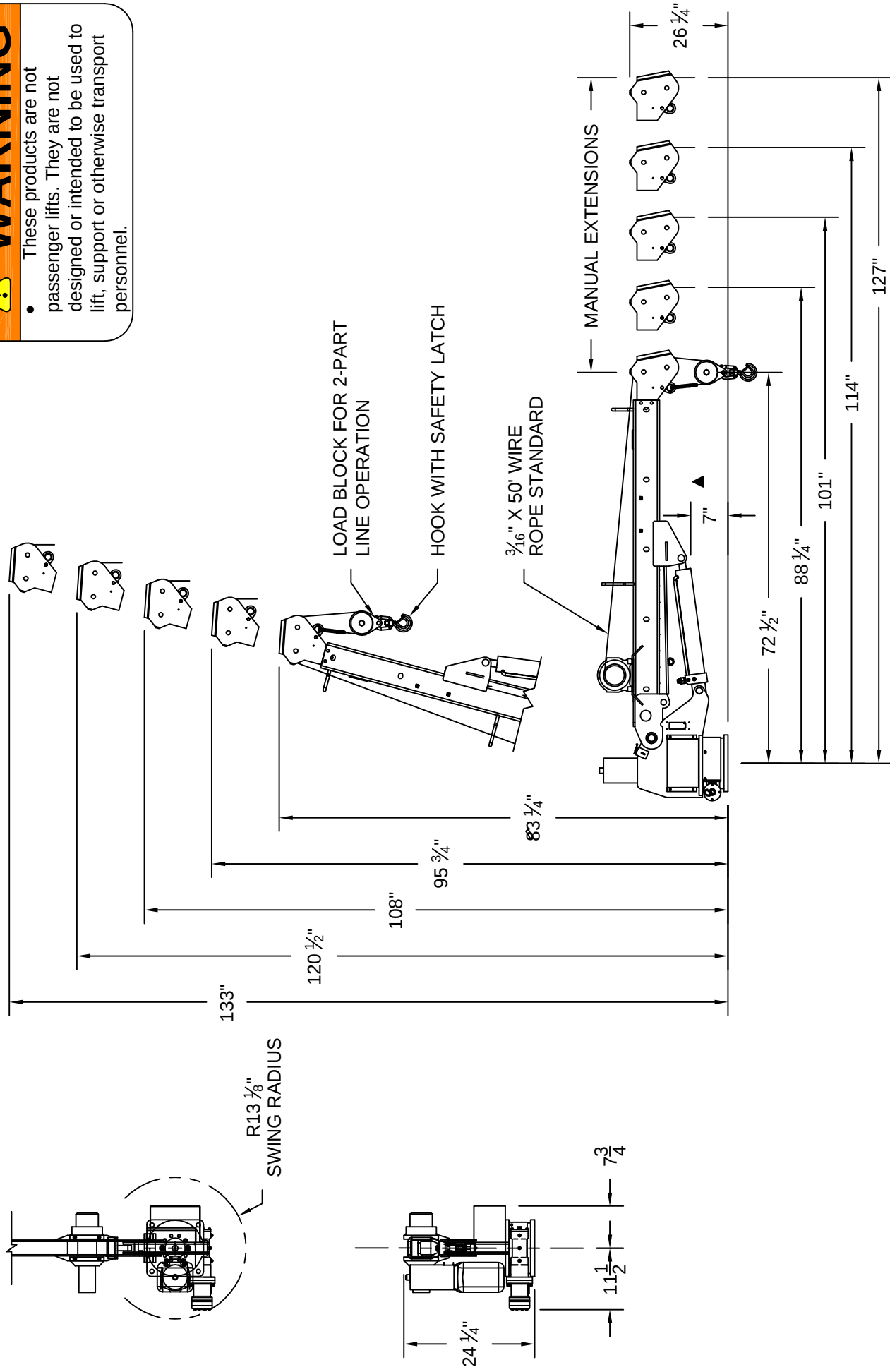


VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

# WARNING



- These products are not passenger lifts. They are not designed or intended to be used to lift, support or otherwise transport personnel.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
CRANE DIMENSIONS

ET6K

DATE  
05-25-16B

SUPERSEDES  
02-23-16A

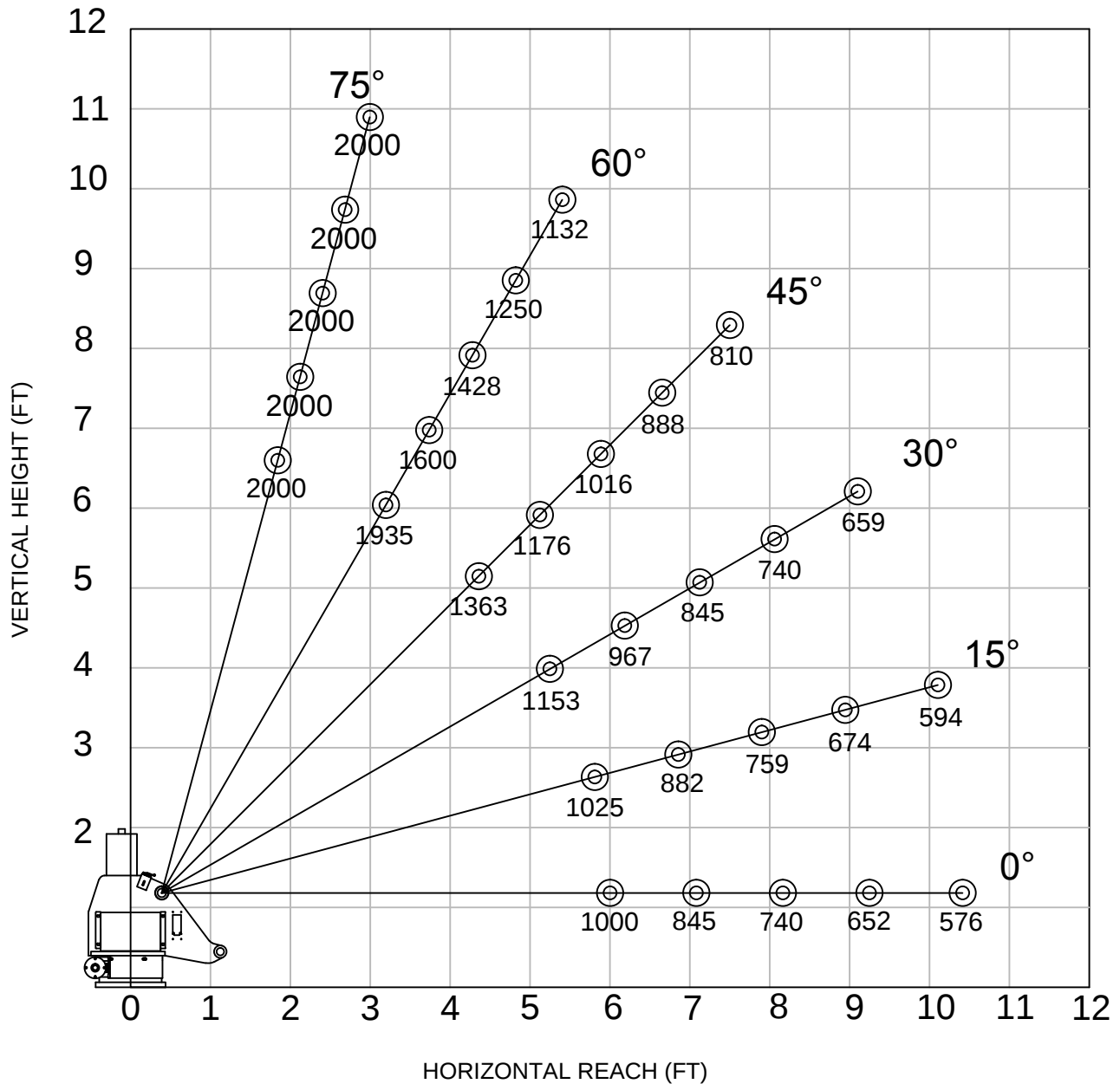
SECTION  
C100

26001

# ET6K, 6'-10' BOOM

▲ CRANE SERIAL NUMBER: \_\_\_\_\_

## MAXIMUM LOAD CAPACITY CHART



WEIGHT OF LOAD HANDLING DEVICES ARE PART OF THE LOAD AND MUST BE DEDUCTED FROM THE GROSS CAPACITY.

### LOAD BLOCK USAGE

1 PART LINE FOR LOADS LESS THAN 1000 LBS

2 PART LINE FOR LOADS OF 1000 LBS AND GREATER

WEIGHT OF LOAD BLOCK = 5 LBS



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
MAXIMUM LOAD CAPACITY

ET6K, 6'-10' BOOM

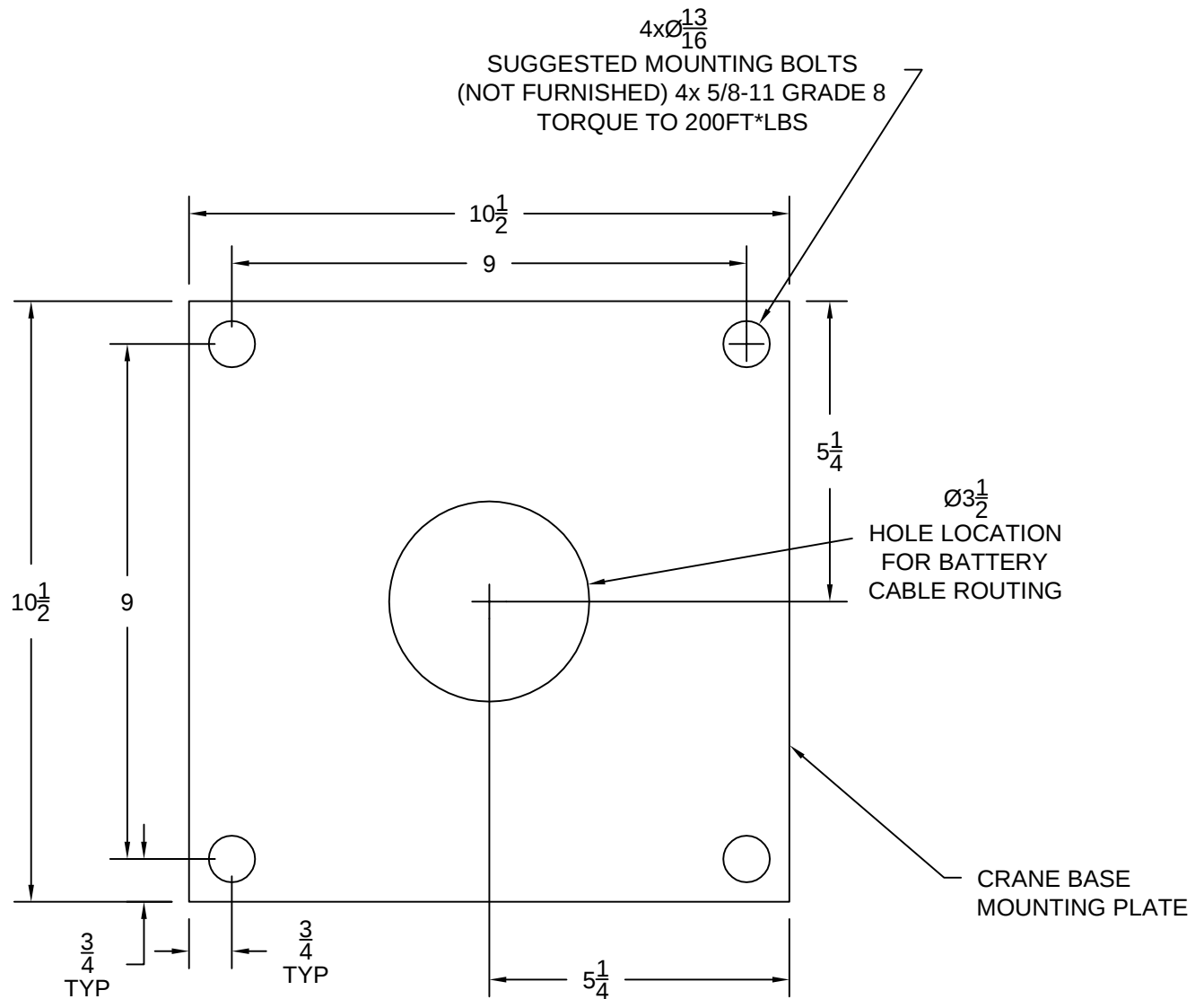
DATE  
05-03-16A

SUPERSEDES  
09-02-14

SECTION  
C100

27423

# CRANE BASE MOUNTING HOLE TEMPLATE



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

CRANE BASE MNTG DIMS

ET6K CRANE

DATE

02-23-16

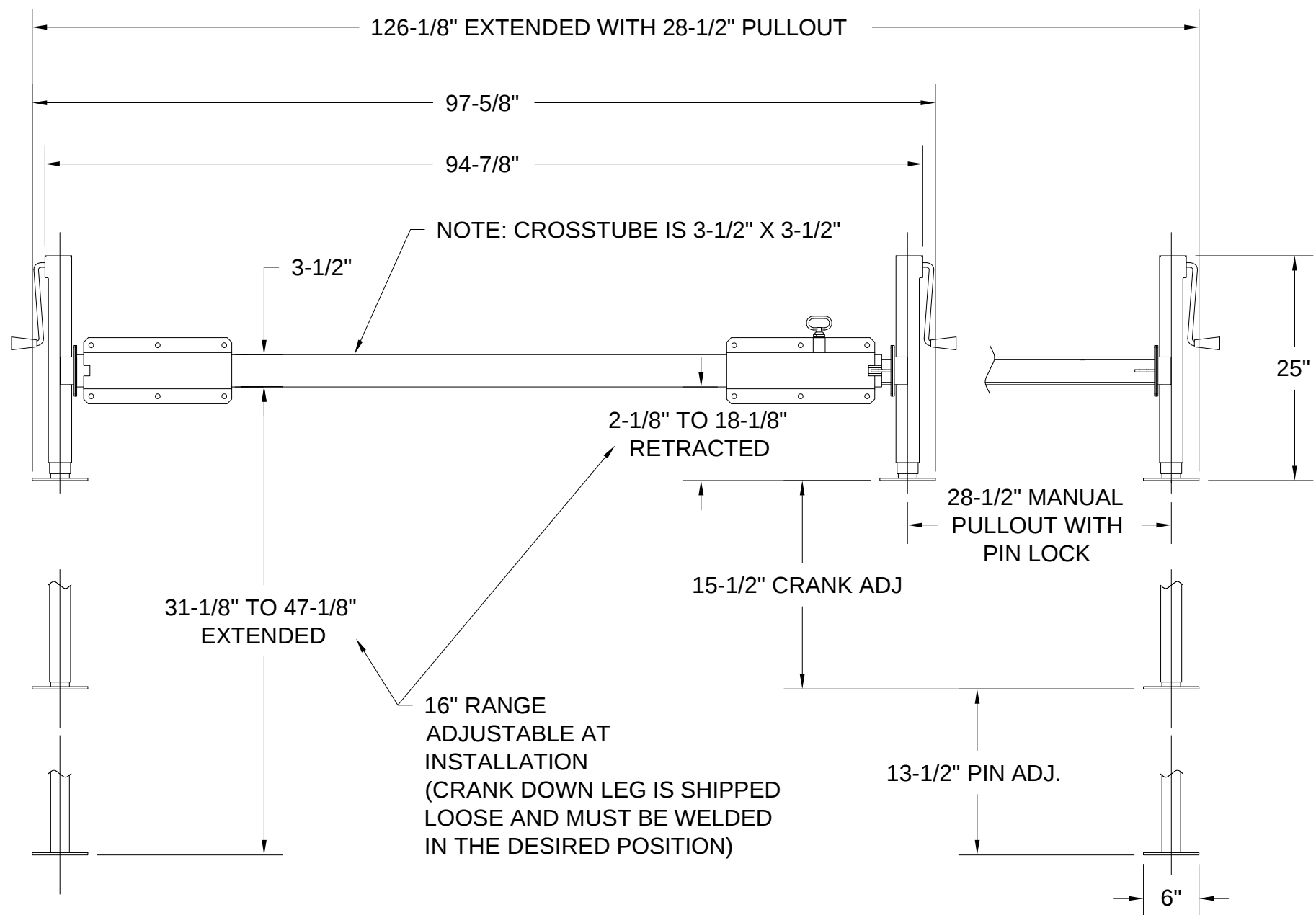
SUPERSEDES

-

SECTION

C100

23082



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE  
INSTALLATION DRAWING  
18500-CD STABILIZER

DATE  
12-20-13B  
SUPERSEDES  
01-13-05A

SECTION  
C100  
22686

# 13500 STABILIZER

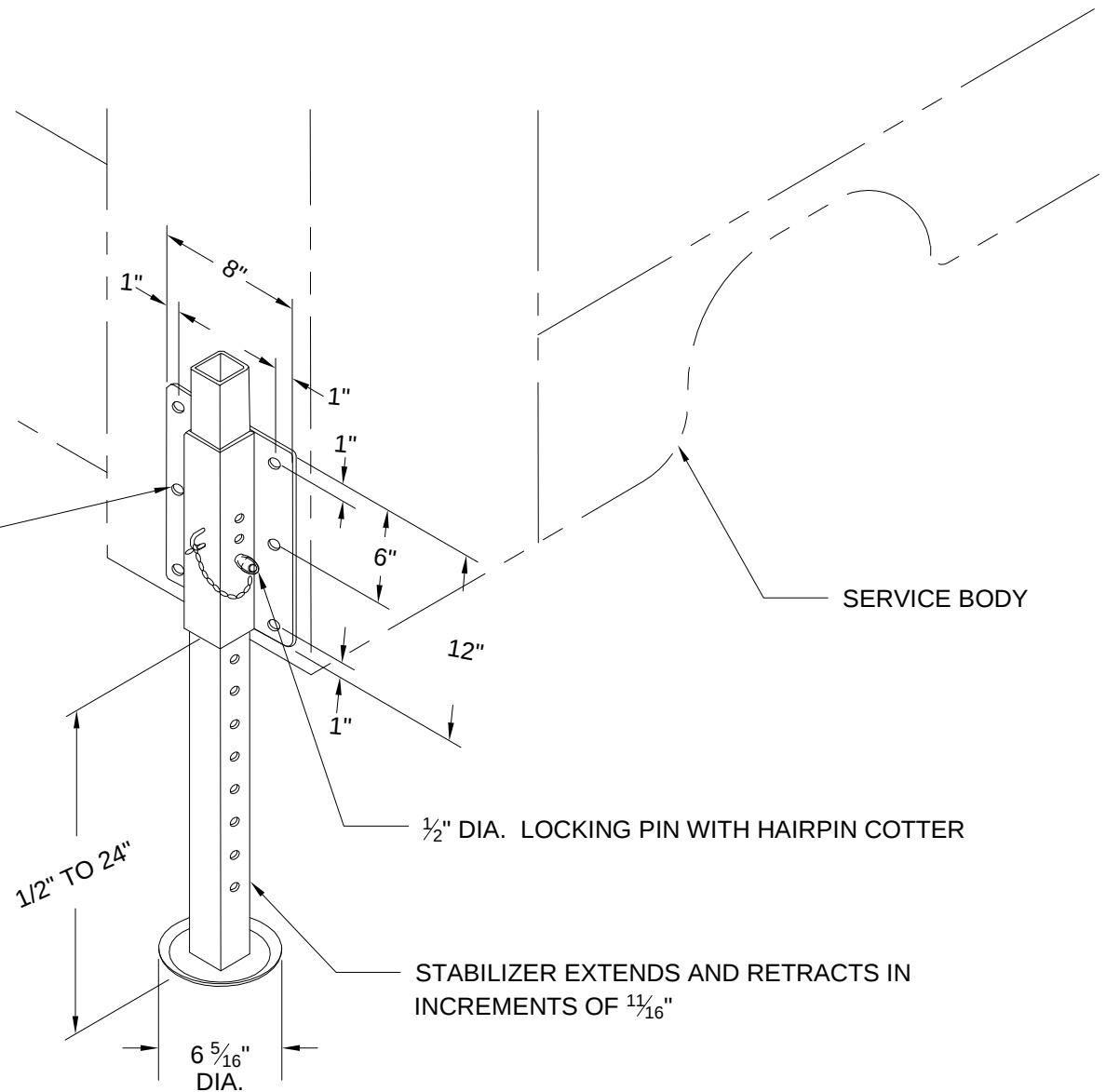


## WARNING

- These products are not for use with passenger lifts. They are not designed or intended to be used with devices that lift, support or otherwise transport personnel.

(6)  $\frac{3}{8}$ " DIA. BOLT HOLES

TYPICAL INSTALLATION OF  
MANUAL STABILIZER ON  
VEHICLE WITH SERVICE BODY.



SERVICE BODY

$\frac{1}{2}$ " DIA. LOCKING PIN WITH HAIRPIN COTTER

STABILIZER EXTENDS AND RETRACTS IN  
INCREMENTS OF  $1\frac{1}{16}$ "

$6\frac{5}{16}$ "  
DIA.

$1\frac{1}{2}$ " TO 24"



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE

INSTALLATION DRAWING

ET6/8/12K(X)

DATE

12-20-13F

SUPERSEDES

10-02-12E

SECTION

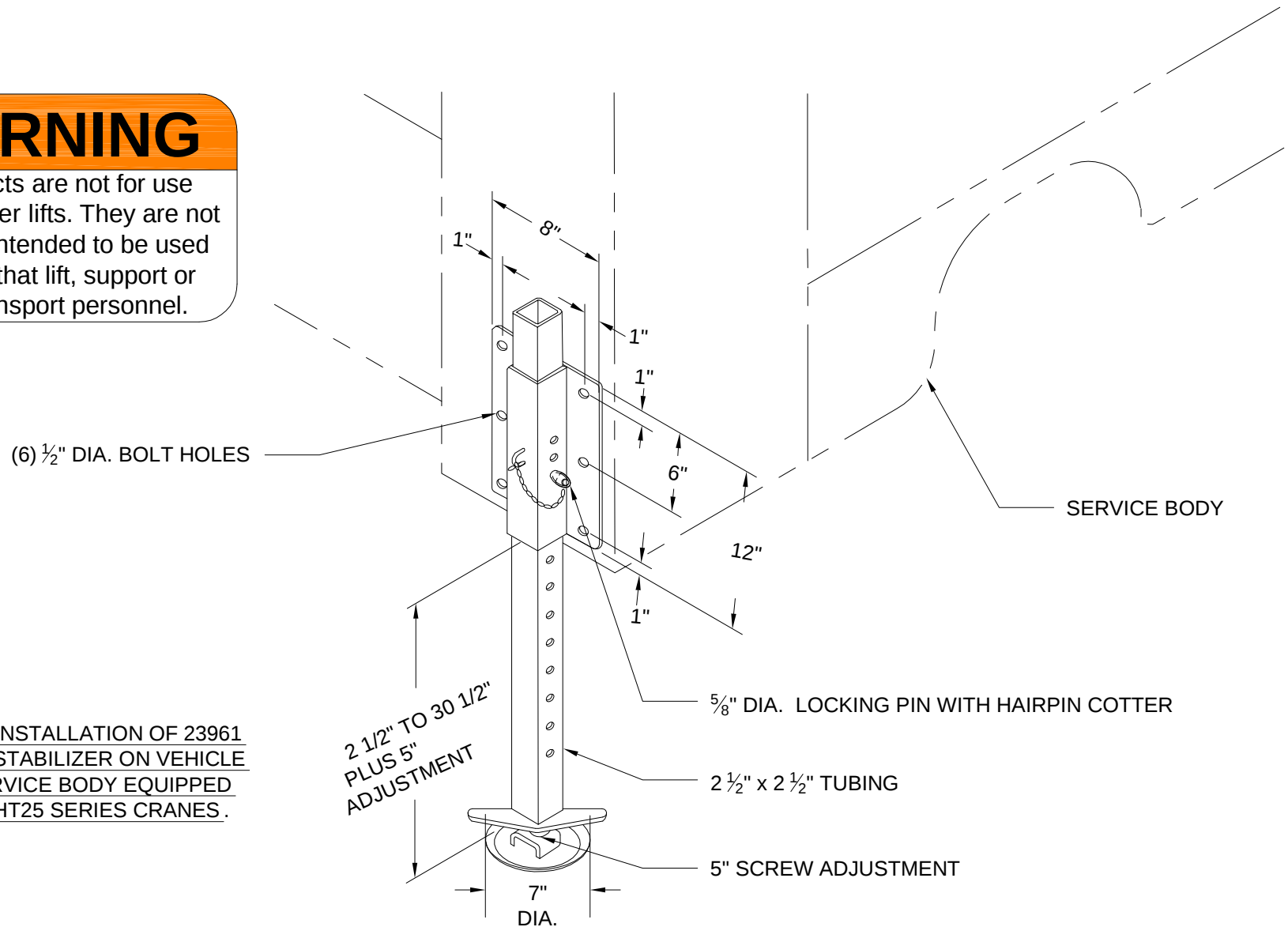
C100

13509

# 23961 STABILIZER



- These products are not for use with passenger lifts. They are not designed or intended to be used with devices that lift, support or otherwise transport personnel.



TYPICAL INSTALLATION OF 23961  
MANUAL STABILIZER ON VEHICLE  
WITH SERVICE BODY EQUIPPED  
WITH ET/HT25 SERIES CRANES .



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

## INSTALLATION DRAWING

ET6/8/10/12/25K(X), HT25KX

DATE

12-20-13H

SUPERSEDES

04-25-12G

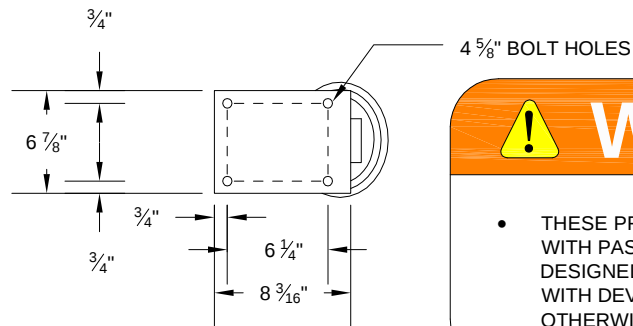
SECTION

C100

123961

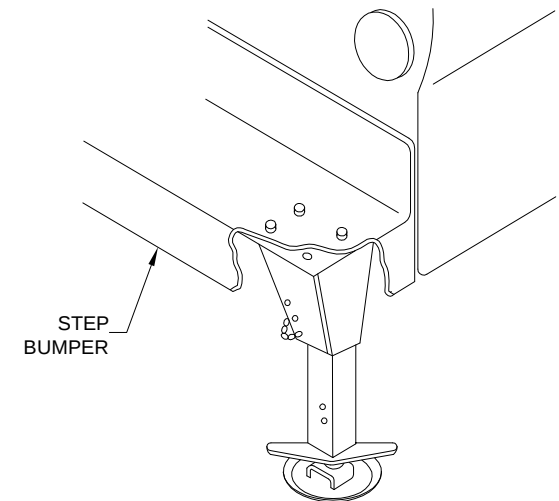
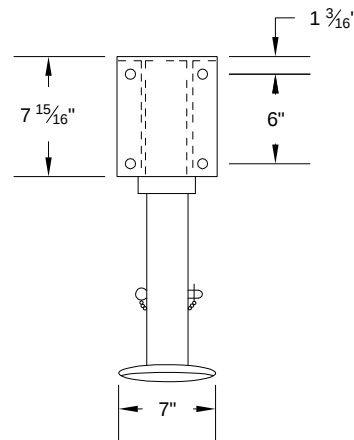
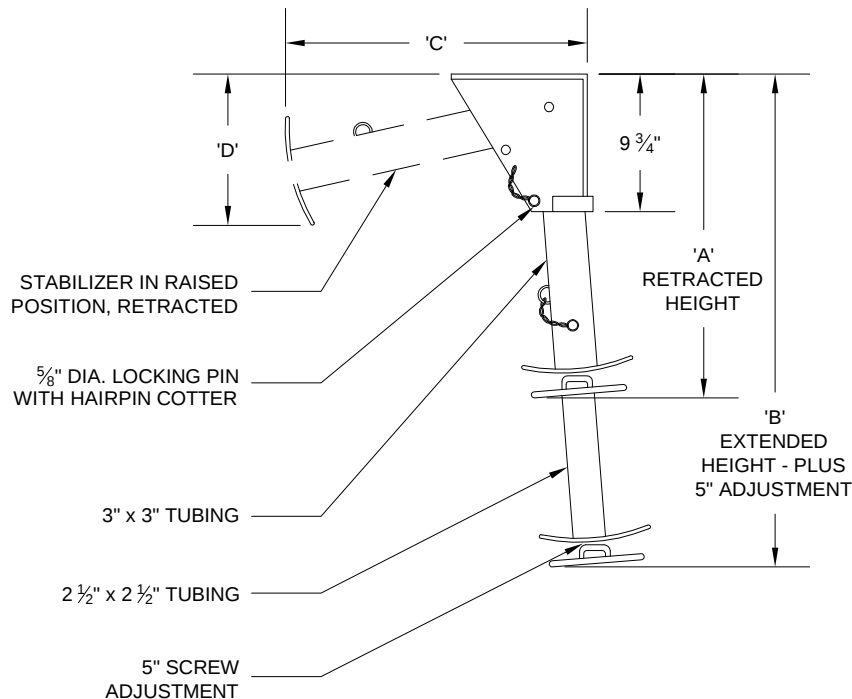
# 23960 STABILIZER SERIES, ET/HT25 SERIES CRANES

| PART NO. | DESCRIPTION      | 'A'   | 'B'   | 'C' | 'D'   |
|----------|------------------|-------|-------|-----|-------|
| 23960-1  | SHORT STABILIZER | 20 ½" | 28 ½" | 21" | 7 ¼"  |
| 23960-2  | LONG STABILIZER  | 28 ½" | 44 ½" | 29" | 10 ½" |

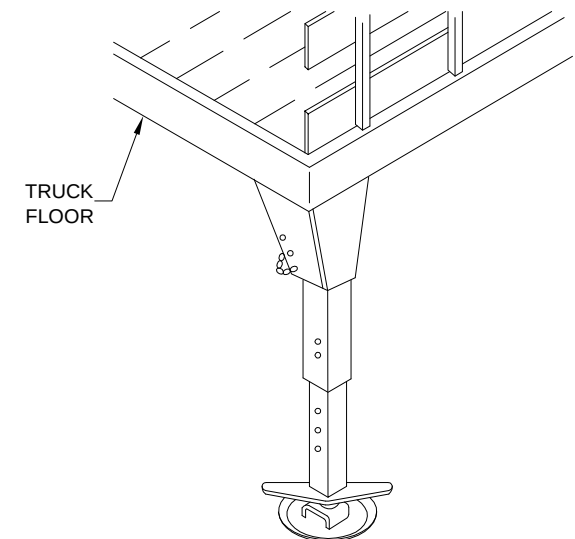


## WARNING

- THESE PRODUCTS ARE NOT FOR USE WITH PASSENGER LIFTS. THEY ARE NOT DESIGNED OR INTENDED TO BE USED WITH DEVICES THAT LIFT, SUPPORT OR OTHERWISE TRANSPORT PERSONNEL.



TYPICAL SHORT STABILIZER INSTALLATION



TYPICAL LONG STABILIZER INSTALLATION



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

INSTALLATION DRAWING

ET6/8/10/12/25K(X), HT25KX

DATE

12-20-13H

SUPERSEDES

04-25-12G

SECTION

C100

123960

# SECTION 150

## SAFETY



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

# CRANE SAFETY AND HAZARDS

## CAUTIONS

1. INSPECT VEHICLE AND CRANE, INCLUDING OPERATION, PRIOR TO USE DAILY.
2. DO NOT USE THIS EQUIPMENT EXCEPT ON FIRM LEVEL GROUND WITH CRANE MOUNTED ON FACTORY-RECOMMENDED TRUCK.
3. BEFORE OPERATING THE CRANE, REFER TO MAXIMUM LOAD (CAPACITY) CHART ON CRANE FOR OPERATING (LOAD) LIMITATIONS.
4. DO NOT OPERATE, WALK, OR STAND BENEATH BOOM OR A SUSPENDED LOAD.
5. ATTACH PENDANT CORD SUPPORT SNAP TO ATTACHMENT POINT BEFORE PLUGGING IN PENDANT, IF SO EQUIPPED.
6. UNPLUG PENDANT AND SHUT OFF MASTER DISCONNECT SWITCH WHEN CRANE IS NOT IN USE.
7. FOR TRAVEL, BOOM MUST BE IN STOWED POSITION.

## DANGER

- THIS CRANE IS NOT A PASSENGER LIFT
- IT IS NOT DESIGNED OR INTENDED TO BE USED TO LIFT, SUPPORT, OR OTHERWISE TRANSPORT PERSONNEL.

## YOU MUST NOT OPERATE THIS CRANE, UNLESS:

1. YOU HAVE BEEN TRAINED IN THE SAFE OPERATION OF THIS CRANE, AND
2. YOU KNOW AND FOLLOW THE SAFETY AND OPERATING RECOMMENDATIONS CONTAINED IN THE MANUFACTURER'S MANUALS, YOUR EMPLOYER'S WORK RULES, AND APPLICABLE GOVERNMENT REGULATIONS. AN UNTRAINED OPERATOR SUBJECTS HIMSELF AND OTHERS TO DEATH OR SERIOUS INJURY.

## ELECTROCUTION HAZARD

- THIS MACHINE IS NOT INSULATED.
- MAINTAIN SAFE CLEARANCES FROM ELECTRICAL LINES AND APPARATUSES.
- YOU MUST ALLOW FOR BOOM SWAY, ROCK, OR SAG, AND ELECTRICAL LINE AND LOAD-LINE SWAYING
- THIS LIFTING DEVICE DOES NOT PROVIDE PROTECTION FROM CONTACT WITH OR PROXIMITY TO AN ELECTRICALLY CHARGED CONDUCTOR.
- YOU MUST MAINTAIN A CLEARANCE OF AT LEAST 10 FEET BETWEEN ANY PART OF THE CRANE, LOAD-LINE, OR LOAD, AND ANY ELECTRICAL LINE OR APPARATUS CARRYING UP TO 50,000 VOLTS. REFER TO DRAWING 15394 FOR ADDITIONAL INFORMATION.
- **DEATH OR SERIOUS INJURY** WILL RESULT FROM CONTACT OR INADEQUATE CLEARANCES.

## OVERLOAD SENSING SYSTEM - STANDARD ON ALL CRANES

1. IF OVERLOADED, THE WINCH UP, BOOM DOWN, AND (OPTIONAL) BOOM OUT FUNCTIONS WILL AUTOMATICALLY, SHUT OFF TO PREVENT INCREASED OVERLOAD.
2. ON CRANES EQUIPPED WITH AN OPTIONAL OVERLOAD ALARM, IT WILL ALSO SOUND.
3. IF AN OVERLOAD OCCURS, USE THE WINCH DOWN, BOOM UP OR BOOM IN FUNCTIONS TO RELIEVE THE OVERLOAD.
4. THE OVERLOAD SENSING SYSTEM IS INOPERATIVE IF THE BOOM ELEVATION IS AT THE BOTTOM OR TOP LIMIT OF TRAVEL. TO RELIEVE THIS CONDITION, RAISE OR LOWER THE BOOM SLIGHTLY BEFORE LIFTING THE LOAD.
5. SEE MANUAL FOR TESTING THE OVERLOAD SYSTEM.

NOTICE - WARRANTY VOID IF DISCONNECTED

THE OVERLOAD SENSING SYSTEM HAS BEEN INSTALLED AS A SAFETY FEATURE TO PROTECT THE EQUIPMENT AND THE OPERATOR.

DO NOT DISCONNECT THIS SYSTEM



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

SAFETY & HAZARDS

DATE

01-29-15K

SECTION

C150

ELECTRIC CRANES

SUPERSEDES

12-20-13J

850711

# CRANE SAFETY AND HAZARDS - CONT'D

## OVERLOAD ALARM SYSTEM - OPTIONAL

1. OVERLOAD ALARM HORN SOUNDS IF RATED LOAD IS EXCEEDED AT ANY REACH.
2. IF ALARM SOUNDS, RAISE BOOM OR LOWER WINCH TO REMOVE OVERLOAD.
3. ALWAYS RAISE BOOM SLIGHTLY BEFORE LIFTING LOAD. WARNING SYSTEM INOPERATIVE WHEN CYLINDER IS COMPLETED BOTTOMED.
4. ALARM CAN BE TESTED BY TYING DOWN BOOM WITH WINCH CABLE AND OPERATING BOOM UP OR BY RAISING BOOM AGAINST UP LIMIT STOP.

NOTICE - WARRANTY VOID IF DISCONNECTED

THIS ALARM SYSTEM HAS BEEN INSTALLED AS A SAFETY FEATURE TO PROTECT BOTH THE EQUIPMENT AND THE OPERATOR.

DO NOT DISCONNECT THIS SYSTEM

INTENTIONALLY LEFT BLANK



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

SAFETY & HZRDS, CONT.

DATE

01-29-15

SECTION

C150

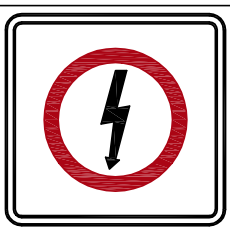
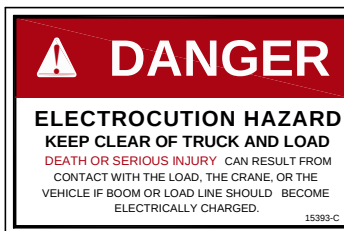
ELECTRIC CRANES

SUPERSEDES

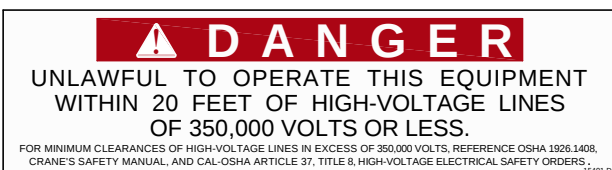
-

850712

# VEHICLE & CRANE MOUNTED ELECTRICAL HAZARD SIGN APPLICATION & INFORMATION



SIGN NO. 15393 DISPLAYS THE INTERNATIONAL SYMBOL FOR ELECTRICITY AND WARNS OF DANGER FROM AN ELECTRICALLY CHARGED VEHICLE, CRANE, OR LOAD. FOUR ARE RECOMMENDED (ONE FOR EACH SIDE AND ONE FOR EACH END OF VEHICLE) TO BE APPLIED IN LOCATIONS WHICH ARE READILY VISIBLE TO GROUND PERSONNEL.



SIGN NO. 15401 PROVIDES ADDITIONAL WARNING OF LEGAL REQUIREMENTS WHEN OPERATING NEAR HIGH VOLTAGE LINES. THIS SIGN IS PLACED ON THE CONTROL PENDANT SIDE OF BOOM.

Table A - Minimum Clearance Distances

| Voltage<br>(nominal, kV, alternating current) | Minimum clearance distance<br>(feet) *                                                                                                                                       |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Up to 50.....                                 | 10                                                                                                                                                                           |
| over 50 - 200.....                            | 15                                                                                                                                                                           |
| over 200 - 350.....                           | 20                                                                                                                                                                           |
| over 350 - 500.....                           | 25                                                                                                                                                                           |
| over 500 - 750.....                           | 35                                                                                                                                                                           |
| over 750 - 1000.....                          | 45                                                                                                                                                                           |
| Over 1000.....                                | (as established by the utility owner/operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution). |

Table T - Minimum Clearance Distances While Traveling With No Load

| Voltage<br>(nominal, kV, alternating current) | While traveling - minimum clearance distance<br>(feet) *                                                                                                                     |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 0.75.....                                 | 4                                                                                                                                                                            |
| over 0.75 - 50.....                           | 6                                                                                                                                                                            |
| over 50 - 345.....                            | 10                                                                                                                                                                           |
| over 345 - 750.....                           | 16                                                                                                                                                                           |
| over 750 - 1000.....                          | 20                                                                                                                                                                           |
| Over 1000.....                                | (as established by the utility owner/operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution). |

\* NOTE: ENVIRONMENTAL CONDITIONS SUCH AS FOG, SMOKE, OR PRECIPITATION MAY REQUIRE INCREASED CLEARANCES



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

| TITLE              | DATE                    | SECTION |
|--------------------|-------------------------|---------|
| HAZARD APPS & INFO | 02-21-14M               | C150    |
| ET/HT CRANES       | SUPERSEDES<br>12-20-13L | 15394   |

DECAL #: 15390

DESCRIPTION: CAUTION, INSPECT VEHICLE & CRANE...

PURPOSE: TO INFORM THE OPERATOR OF KEY OPERATING REQUIREMENTS.

QUANTITY: 1

PLACEMENT: REAR COVER OR SIDE OF CRANE



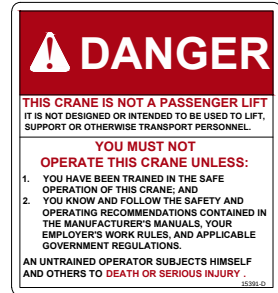
DECAL #: 15391

DESCRIPTION: DANGER, NOT A PASSENGER LIFT

PURPOSE: TO INFORM OPERATOR NOT TO LIFT, SUPPORT, OR TRANSPORT PERSONNEL, AND TO ENSURE OPERATOR IS ADEQUATELY TRAINED.

QUANTITY: 1

PLACEMENT: REAR COVER OR SIDE OF CRANE



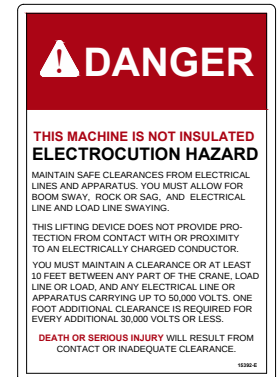
DECAL #: 15392

DESCRIPTION: DANGER, ELECTROCUTION HAZARD, MACHINE (CRANE)

PURPOSE: TO INFORM OPERATOR THAT MACHINE (CRANE) REPRESENTS AN ELECTROCUTION HAZARD SHOULD IT COME CLOSE TO OR IN CONTACT WITH AN ELECTRICAL VOLTAGE SOURCE.

QUANTITY: 1

PLACEMENT: REAR COVER OR SIDE OF CRANE



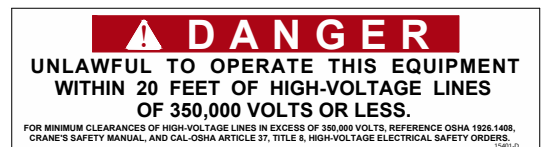
DECAL #: 15401

DESCRIPTION: DANGER, UNLAWFUL TO OPERATE

PURPOSE: TO INFORM OPERATOR OF PROPER OPERATION IN VICINITY OF ELECTRICAL LINES.

QUANTITY: 1

PLACEMENT: RING COVER OR SIDE OF CRANE



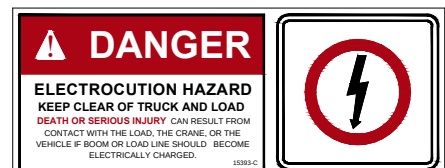
DECAL #: 15393

DESCRIPTION: DANGER, ELECTROCUTION HAZARD, VEHICLE (TRUCK)

PURPOSE: WARNS OF DANGER FROM ELECTRICALLY CHARGED VEHICLE, CRANE, OR LOAD.

QUANTITY: 4

PLACEMENT: EACH SIDE & EACH END OF VEHICLE



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
SAFETY DECALS  
VENTURO CRANES

DATE  
04-29-16E  
SUPERSEDES  
10-24-13D

SECTION  
C150  
21353

PART NO.: 14473-2

DECAL: CONDUCTIVE GREASE

FUNCTION: To show the operator where to apply grease.

QUANTITY: Varies

PLACEMENT: Near grease fittings.



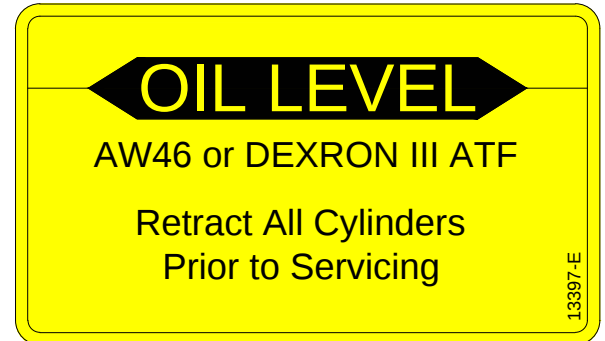
PART NO.: 13397

DECAL: OIL LEVEL

FUNCTION: To inform the operator of proper oil level to maintain.

QUANTITY: 1

PLACEMENT: Side of hydraulic power unit.



PART NO.: 15398

DECAL: UNPLUG REMOTE CONTROL

FUNCTION: To inform the operator to unplug remote control when not in use.

QUANTITY: 1

PLACEMENT: Near pendant socket.



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE  
DECALS

ET CRANES

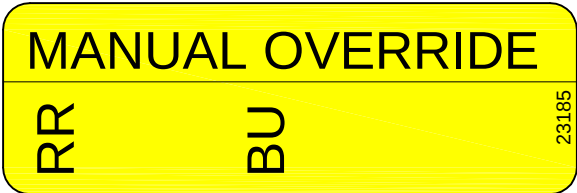
DATE  
11-12-19E

SUPERSEDES  
12-23-13D

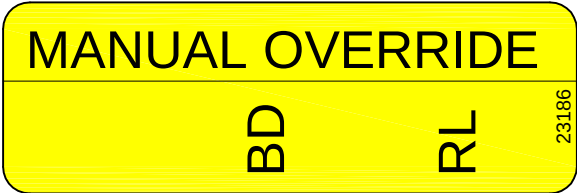
SECTION  
C150

21354

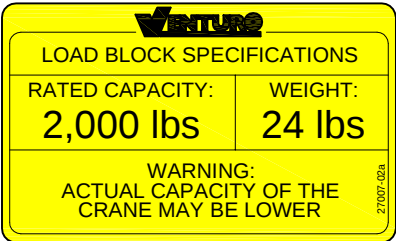
PART NO.: 23185  
DECAL: MANUAL OVERRIDE DECAL (ET6/8/12K)  
FUNCTION: To show the manual override ports.  
QUANTITY: 1  
PLACEMENT: Right side of housing.



PART NO.: 23186  
DECAL: MANUAL OVERRIDE DECAL (ET6/8/12K)  
FUNCTION: To show the manual override ports.  
QUANTITY: 1  
PLACEMENT: Left side of housing.



PART NO.: 27007-02a  
DECAL: LOAD BLOCK CAPACITY DECAL  
FUNCTION: To show the capacity of load block.  
QUANTITY: 2  
PLACEMENT: Each side of load block.



INTENTIONALLY LEFT BLANK



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

| TITLE            | DATE                    | SECTION |
|------------------|-------------------------|---------|
| DECAL LIST / DWG | 01-15-15B               | C150    |
| ET6K ▲           | SUPERSEDES<br>03-10-14A | 26041   |

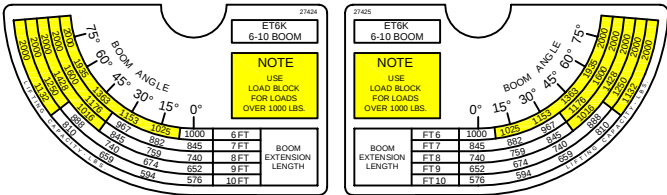
PART NO.: 27424 (LEFT) & 27425 (RIGHT)

DECAL: CRANE CAPACITY

FUNCTION: To show the operator the crane capacities of the crane.

QUANTITY: 1 each

PLACEMENT: One on each side of boom.



PART NO.: 26824

DECAL: MODEL NUMBER (ET6K)

FUNCTION: To show the model of the crane.

QUANTITY: 2

PLACEMENT: One on each side of boom.



PART NO.: 23185

DECAL: MANUAL OVERRIDE RIGHT

FUNCTION: To show the manual override ports.

QUANTITY: 1

PLACEMENT: Right side of housing.



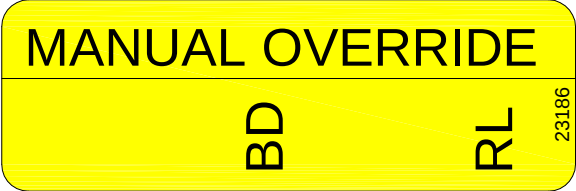
PART NO.: 23186

DECAL: MANUAL OVERRIDE LEFT

FUNCTION: To show the manual override ports.

QUANTITY: 1

PLACEMENT: Left side of housing.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
DECAL LIST / DWG  
ET6K ▲

DATE  
11-18-14A  
SUPERSEDES  
12-23-13

SECTION  
C150  
26825

# SECTION 200

# INSTALLATION



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

# !! IMPORTANT !!

## ADEQUATE WIRING IMPERATIVE FOR PROPER OPERATION

1. PROPER GROUND PATH - SEE DWG 15660
2. CURRENT DRAW IS SEVERAL HUNDRED AMPERES - ADEQUATE WIRE SIZE AND BATTERY CAPACITY IS ABSOLUTELY ESSENTIAL (SEE CHART BELOW).

### ▲ MINIMUM WIRE GAUGE AND AUXILIARY BATTERY SIZE

| ▲ MINIMUM WIRE GAUGE AND AUXILIARY BATTERY SIZE                            |                                                      |       |       |       |       |                 |       |       |                                          |              |
|----------------------------------------------------------------------------|------------------------------------------------------|-------|-------|-------|-------|-----------------|-------|-------|------------------------------------------|--------------|
| MODEL                                                                      | TOTAL LENGTH OF CABLE (FT) *                         |       |       |       |       |                 |       |       | ▲ 12 VOLT AUXILIARY BATTERY REQUIREMENTS |              |
|                                                                            | 0-20                                                 | 21-25 | 26-30 | 31-40 | 41-50 | 51-60           | 61-70 | 71-80 | CCA (A) **                               | RC (MIN) *** |
| ▲ CE1500<br>CE6K<br>CT2000<br>CT2003/4/5<br>DT7K                           | #4                                                   | #4    | #2    | #2    | #1    | #0              | #0    | #00   | 350                                      | 100          |
| ET5500MPB<br>ET5500R<br>ET6KMPB<br>ET6KR<br>ET6K<br>ET8K<br>ET10K<br>ET12K | #2                                                   | #2    | #1    | #0    | #00   | NOT RECOMMENDED |       |       | 450                                      | 100          |
| ET8KX<br>ET10KX<br>ET12KX<br>▲ ET12KXP                                     | #2                                                   | #2    | #1    | #0    | #00   | NOT RECOMMENDED |       |       | 550                                      | 150          |
| ET18K(X)<br>ET25K(X)<br>ET30KX<br>ET36KX                                   | SEE DRAWING 15660 FOR CABLE AND BATTERY REQUIREMENTS |       |       |       |       |                 |       |       |                                          |              |

\* INCLUDES GROUND CABLE

\*\* CCA = COLD CRANKING AMPS AT 0° (F).

\*\*\* RC = RESERVE CAPACITY IN MINUTES AT 25 AMPS AND 80° (F).  
THE RC RATING IS A MEASURE OF THE PERIOD OF TIME THE BATTERY CAN SUPPLY A GIVEN CURRENT WITHOUT RECHARGING.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
CABLE & BATTERY

ELECTRIC CRANES

DATE  
07-30-18X

SUPERSEDES  
09-27-17W

SECTION  
C200

**711105**

| RECOMMENDED CIRCUIT BREAKER TABLE |                     |           |
|-----------------------------------|---------------------|-----------|
| CRANE                             | DESCRIPTION         | PART NO.  |
| CT310KX                           | 250 AMP, MAN RESET  | 22946-250 |
| DT7                               | 250 AMP, MAN RESET  | 22946-250 |
| CE-1500-FB                        | 150 AMP, MAN RESET  | 22946-150 |
| CE6K                              | 150 AMP, MAN RESET  | 22946-150 |
| CT200X                            | 250 AMP, MAN RESET  | 22946-250 |
| ET6K                              | 250 AMP, MAN RESET  | 22946-250 |
| ET8/12K(X)                        | 250 AMP, MAN RESET  | 22946-250 |
| ET12KXP                           | 300 AMP, MAN RESET  | 22946-300 |
| ET16/18KX-16                      | 250 AMP, MAN RESET  | 22946-250 |
| ET16/18KX-20                      | 300 AMP, MAN RESET  | 22946-300 |
| ET25/30KX                         | 300 AMP, AUTO RESET | 22946-300 |
| ET36KX                            | 300 AMP, AUTO RESET | 22946-300 |

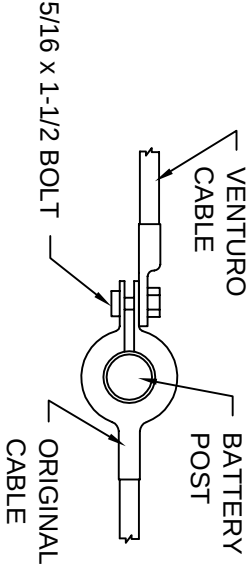
### BATTERY REQUIREMENTS

- 12 VOLT VEHICLE BATTERY REQUIREMENTS
- 625 COLD CRANKING AMPS (AT 0° F)
- 160 MINUTES RESERVE CAPACITY
- 102 PLATES, 105 AMP-HR

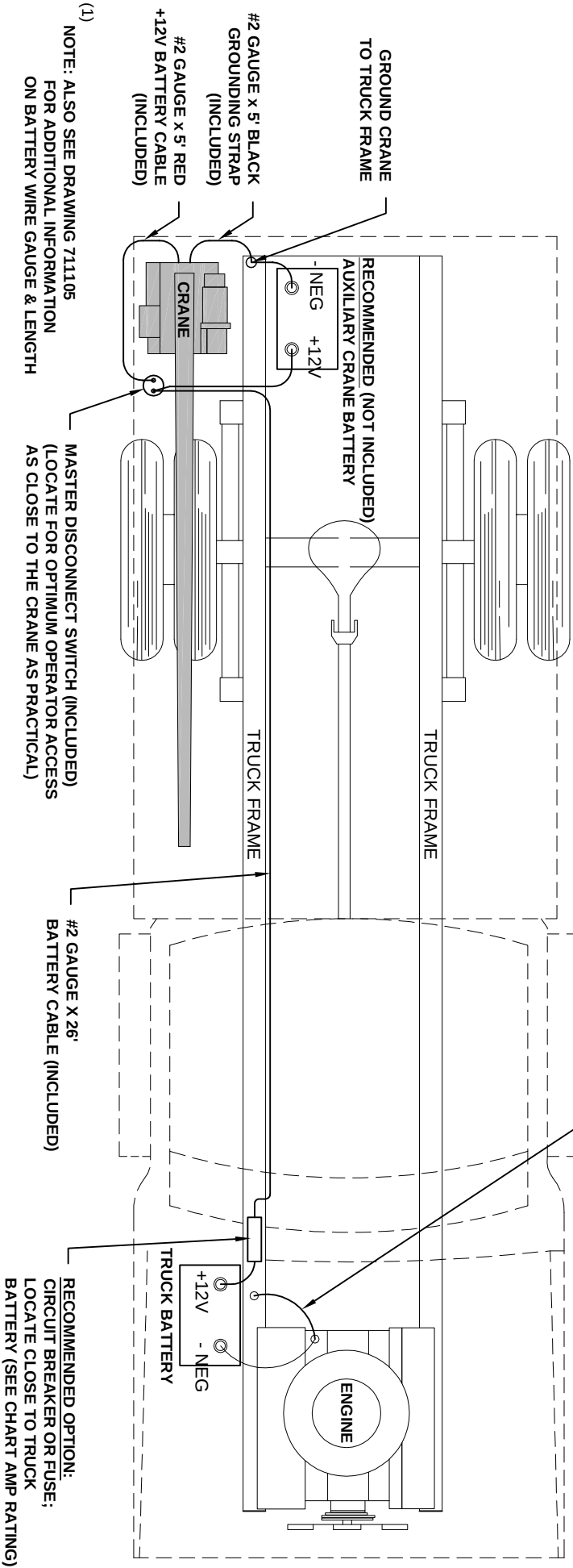
- (1) 12 VOLT AUXILIARY BATTERY REQUIREMENTS
- SEE MINIMUM WIRE GAUGE AND BATTERY SIZE

**NOTE: OPERATING WITH THE VEHICLE BATTERY 'ONLY' IS PERMISSIBLE, BUT NOT RECOMMENDED.**

### RECOMMENDED BATTERY TERMINAL ATTACHMENT



**INSTALL #2 GAUGE GROUND STRAP FROM ENGINE TO TRUCK FRAME  
(REQUIRED IF NEGATIVE FROM BATTERY IS CONNECTED TO ENGINE)**



(1)  
NOTE: ALSO SEE DRAWING 711105  
FOR ADDITIONAL INFORMATION  
ON BATTERY WIRE GAUGE & LENGTH



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

| TITLE                             | DATE                    | SECTION |
|-----------------------------------|-------------------------|---------|
| BATTERY CABLE & COMPONENT INSTALL | 09-03-20M               | C200    |
| ET CRANES                         | SUPERSEDES<br>07-30-18L | 156660  |

# STABILITY TEST - ET6K-10' SERIES

## Overview

Venturo follows the guidelines of ANSI B30.5 in defining stability. Generally speaking, a truck is considered stable as long as it is not on the verge of tipping - i.e. with the truck level, at least one tire on each corner of the truck must remain in contact with the ground.

It is important to note that nearly every installation is unique and will, therefore, typically require stability testing.

The procedure outlined below follows ANSI's (B30.5 - 5-1.1.1) specified "maximum load rating" of 85% of truck stability.

## Testing Procedure

1. Locate the truck on firm, level ground and set parking brake.
2. Fully deploy stabilizers, making sure they are firmly in contact with supportive ground; use stabilizer pads as required. The tires of the truck should remain in full contact with the ground.
3. Inspect wire rope and other key components of crane (consult owners manual for more information).
4. Conduct an operational check of all crane functions.
5. Locate the Overload Pressure Switch at the base of the elevation cylinder
  - 5.1. Disconnect the black & white wires from the housing and then connect the black & white wires together to by-pass the Overload Pressure Switch for the stability test. **Note: The black & white wires MUST be reconnected to the Overload Pressure Switch after the stability test has been completed.**
6. Use a **Test Weight** weighing a **minimum** of **678 lbs**, (includes load block weight of 8 lbs.) to a **maximum of 705 lbs**.
7. Position the boom level and fully retracted.
8. Referring to the Stability Chart (drawing 20907) rotate the crane to a position between 1 and 2 o'clock (truck cab is facing 12 o'clock) to begin testing.
9. Use the winch to lift the Test Weight; DO NOT allow the weight to be more than 6" off the ground at any time during testing (for safety).
10. Using the test weight, extend the boom slowly, until one of the two conditions occur:
  - 10.1. Full extension is reached - Mark the ZONE in question **100%**
  - 10.2. The truck becomes unstable i.e. a tire lifts off of the ground
    - 10.2.1. Retract the boom until at least one tire on each corner of the truck is making contact with the ground
    - 10.2.2. Use the formula below to determine the allowable **% of Rated Capacity** for the ZONE in question.
11. Note: The **"Max Stable Reach in inches"** is measured from the **center of rotation** of the crane housing to the **lifting load hook**.
$$\% \text{ Rated Capacity} = \frac{\text{"Max Stable Reach" in inches}}{127} \times 100$$
12. Record the **% of Rated Capacity** in the appropriate blank (region) on the Crane Stability page (ref. 20907) and decal.
13. Repeat Steps 7 through 12 for each ZONE on the stability page.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

STABILITY TEST

ET6K-10' SERIES

DATE

03-17-23G

SUPERSEDES

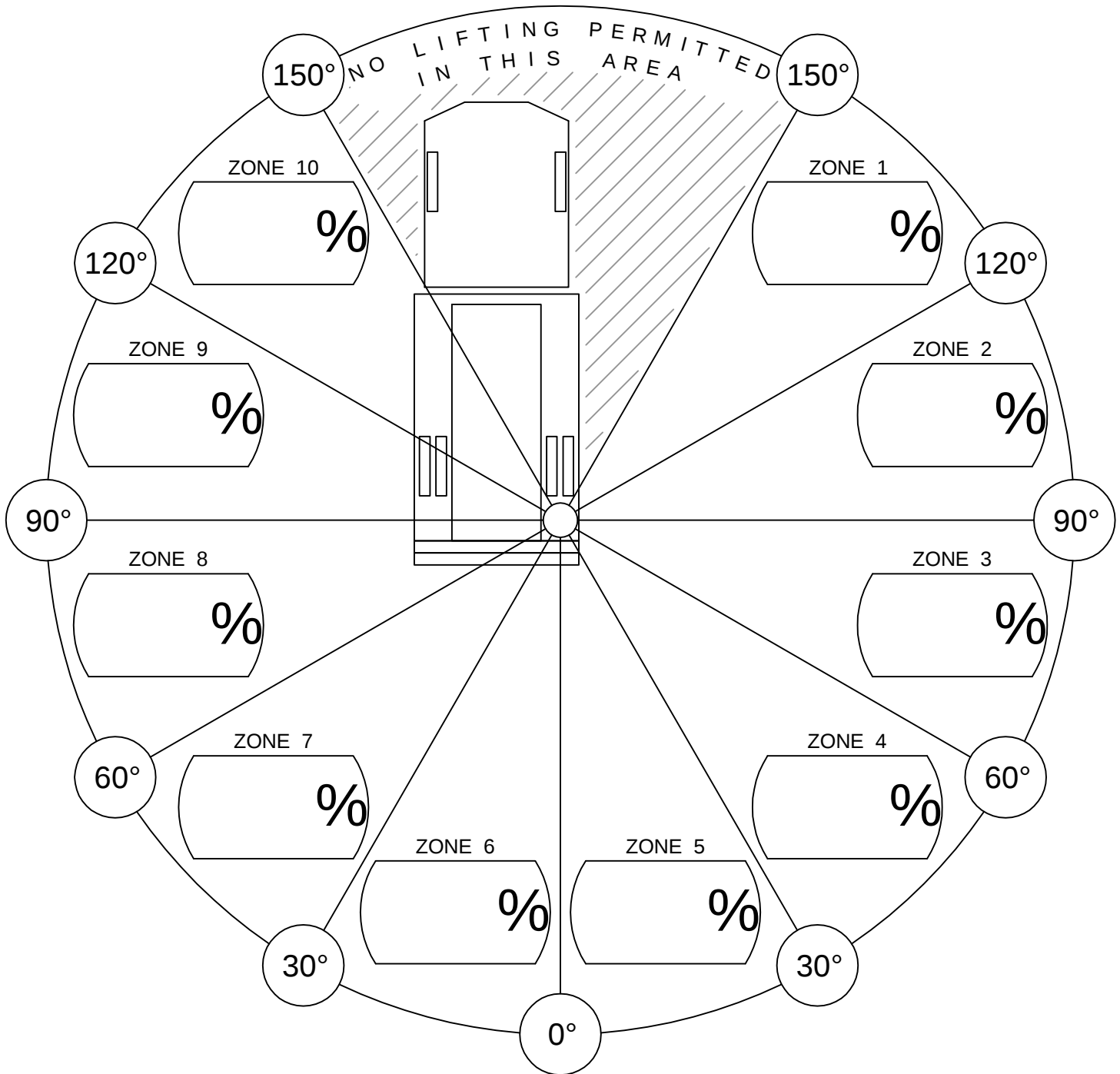
11-23-21F

SECTION

C200

20906-6

# CRANE STABILITY



% of Rated Capacity for each of the 10 regions are provided above.

## CONDITIONS:

- STABILIZERS FULLY EXTENDED & DOWN, ON FIRM LEVEL GROUND.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
STABILITY CHART

VENTURO CRANES

DATE  
05-11-17F

SUPERSEDES  
02-21-14E

SECTION  
C200

20907

# CRANE OPERATION AND MAINTENANCE INSTRUCTIONS

## SAFETY

Before operating this crane, read and understand these instructions, the "CRANE SAFETY AND HAZARDS" pages, and review all safety and instruction labels on the crane.

## CRANE INSPECTION

Before operating this crane, inspect for wear, damage, and oil leakage. After the wire rope has been run out, check for wear, kinks, and broken strands. Check the hook and safety latch for damage. Correct problems before using the crane.

## CAPACITY

Before operating this crane, review the capacity charts on the sides of the boom to relate the load to be lifted to the boom length and angle. The boom angle is indicated by a gravity arrow.

## LOAD BLOCK

If the load exceeds:

1000 lbs. for the ET6K, or

1600 lbs. for the ET8 Series and ET10K(X), or

1750 lbs. for the ET12 Series,

or if reduced winching speed for better control of smaller loads is required, use the load block to rig the crane for two-part line operation. Refer to your crane's "MAXIMUM LOAD CAPACITY" page within this manual.

## CONTROLS

This crane is operated by a remote control pendant. The pendant should be unplugged and stored in a compartment or the cab when the crane is not in use.

Before plugging the pendant in, inspect the plug, socket, cord, pendant head, and switches for damage. Actuate all switches in both directions to verify that they all have the same feel and sound, and that they return to the center position.

Plug the pendant into the socket on the right side of the crane and, if applicable, snap the strain relief tether to the crane housing.

Turn on the Master Disconnect Switch. Use "WINCH DOWN" to release tension on the wire rope and unhook it from the storage tie-down position.

Use "BOOM UP" to elevate the boom from the boom rest position.

Check all control functions to see that they are working correctly.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

INSTALLATION DWG

DATE

06-22-23K

SECTION

C200

ET6/8/12 SERIES CRANES

SUPERSEDES

03-08-19J

900530A

# CRANE OPERATION AND MAINTENANCE INSTRUCTIONS

## CONTROL FUNCTIONS

WINCH UP and WINCH DOWN - Raises and lowers the load with the wire rope.

POWER EXTENSION - "Up" raises the boom elevation by operating the valves and the electric hydraulic power unit. "DOWN" operates a solenoid release valve mounted on the cylinder to lower the load and/or boom by gravity at a controlled rate. A check valve on the cylinder prevents the boom from coming down if a hose breaks. A flow control valve controls the lowering rate.

POWER ROTATION - "L" and "R" control the direction of rotation. The ET6K, ET8K(X), ET10K(X) or ET12K(X) can be rotated continuously thru 360° or more. There are no restrictions on the number of rotations in any direction.

CONTROL PRIORITY SYSTEM (NON-PROPORTIONAL SYSTEMS) - As a built in safety feature, the operator can perform only one major and one minor function at any one time. Major functions include rotation, winching up of a load, and elevating, extending, and retracting the boom. Minor functions include winching down and lowering the boom.

a. "WINCH UP" has priority over "BOOM UP", "BOOM OUT", "BOOM IN", and "ROTATION."

b. "BOOM UP" has priority over "BOOM OUT", "BOOM IN", and "ROTATION."

c. "BOOM OUT" and "BOOM IN" have priority over "ROTATION."

d. "BOOM DOWN" and "WINCH DOWN" can be operated with any function.

- ▲ **TRIGGER (ET12KXP Only)** - Varies the flow rate delivered to the crane valve. The farther the trigger is pulled, the faster the selected crane function operates.

## OVERLOAD SENSING SYSTEM

This crane is equipped with an Overload Sensing System. If the capacity of the crane is exceeded, the "Winch Up", "Boom Down", and "Boom Out" functions will be shut down. The "Winch Down", "Boom Up", and "Boom In" functions will continue to operate and can be used to relieve the overload condition. The "Rotation" function also will continue to operate.

## TWO-BLOCK SENSING SYSTEM

This crane is equipped with an anti two-block device that is mounted at the tip of the boom. If the load block / overhaul weight contacts the device the "Winch Up", "Boom Down", and "Boom Out" functions are disabled. The "Winch Down",

- ▲ "Boom Up", and "Boom In" functions will continue to operate and can be used to relieve the two-block condition.

## CRANE OPERATION

Avoid rapid reversal of the winch and rotation control switches. The high inrush current to the motors during reversal can reduce the life of the contactors, motor brushes, and commutators.

When operating "WINCH UP", "BOOM DOWN", or "BOOM OUT," always maintain clearance between the boom head and the load block or hook.

Do not lift or drag a load sideways using any of the crane functions. The boom has much lower bending strength sideways than in a vertical direction.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

INSTALLATION DWG

DATE

03-08-19H

SECTION

C200

ET6/8/12 SERIES CRANES

SUPERSEDES

07-30-18G

900530B

# CRANE OPERATION AND MAINTENANCE INSTRUCTIONS

## OVERLOAD ALARM SYSTEMS (OPTIONAL)

This crane may be equipped with an optional overload alarm system.

1. Overload alarm horn sounds if rated load is exceeded at any reach.
2. If alarm sounds, RAISE boom or LOWER winch to remove overload.
3. Always RAISE boom slightly before lifting load - warning system INOPERATIVE when cylinder is completely bottomed.
4. Alarm can be tested by raising boom against up limit stop.

## MANUAL TELESCOPIC BOOM

The 6' -14' and 7' - 15' booms have a 4' manual telescoping section in addition to the 4' power extension. A toggle pin locks the boom into either the extended or retracted position.

## TRUCK SETUP & STABILIZERS

1. The truck should be parked on firm level ground when using the crane.
2. The center of the crane should be positioned close enough to the job so that it can be operated at a reach that puts the load within the rated capacity of the crane.
3. Set the vehicle parking brake and put the vehicle transmission in "park" (automatic transmission) or low gear (manual transmission), unless the engine is to be left running.
4. Deploy the stabilizers to stabilize the vehicle against rocking or overturning when lifting with the crane.

## PREPARATION FOR TRAVEL

1. Return the stabilizers to the stowed position. Install and secure all pins.
2. Stow the crane boom in the boom support.
3. Hook the winch line to a tie down point on the body or pedestal and apply tension.
4. TURN OFF MASTER DISCONNECT SWITCH.
5. Unplug the control pendant and store in a body compartment or the cab.



## WARNING

- The pendant (or receiver) plug must be unplugged from the crane socket and the Master Disconnect Switch (power) turned "OFF" when the crane is not in use! Leaving the pendant (or receiver) connected and power on when not in use may result in dangerous, unintentional activation of the crane functions.



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE  
INSTALLATION DWG  
ET6/8/10/12 SERIES

DATE  
03-08-19F  
SUPERSEDES  
12-26-13E

SECTION  
C200  
900530C

# WIRE ROPE INSTALLATION

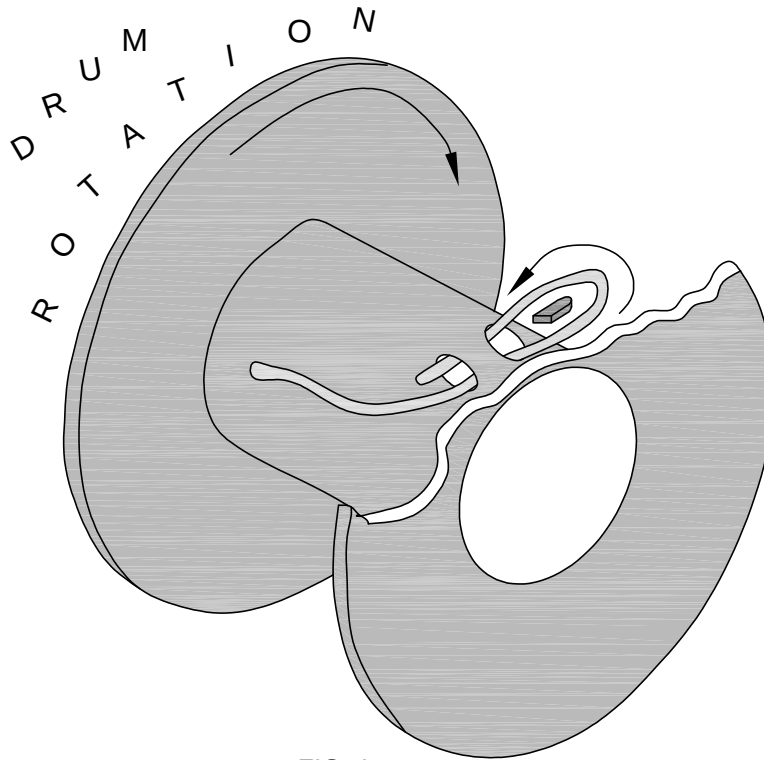


FIG. 1

- STEP 1: UNWIND COIL OF WIRE ROPE BY 'ROLLING' ALONG THE FLOOR. THIS WILL PREVENT 'KINKING'.
- STEP 2: INSERT WIRE ROPE END UP THROUGH ANTI-2-BLOCK (A2B) CAGE ASSEMBLY, BETWEEN CHEEK PLATES, OVER THE TOP SHEAVE, AND THROUGH WIRE ROPE GUIDE.
- STEP 3: INSERT WIRE ROPE END INTO POCKET OPENING ON WINCH, WRAP AROUND WEDGE, AND BACK THROUGH POCKET OPENING AS SHOWN IN FIGURE 1.



## CAUTION

- IF THE WIRE ROPE IS NOT INSTALLED FOR THE CORRECT DRUM ROTATION, THE WINCH BRAKE VALVE WILL NOT HOLD THE LOAD.



## CAUTION

- THERE MUST ALWAYS BE AT LEAST [5] DEAD WRAPS OF WIRE ROPE ON THE WINCH DRUM WHILE UNDER LOAD.

NOTE: SOME WINCHES MAY BE SUPPLIED WITH A HEX NUT IN LIEU OF A WEDGE FOR INSTALLING THE WIRE ROPE.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

WIRE ROPE INSTALLTN

DATE

02-21-14K

SECTION

C200

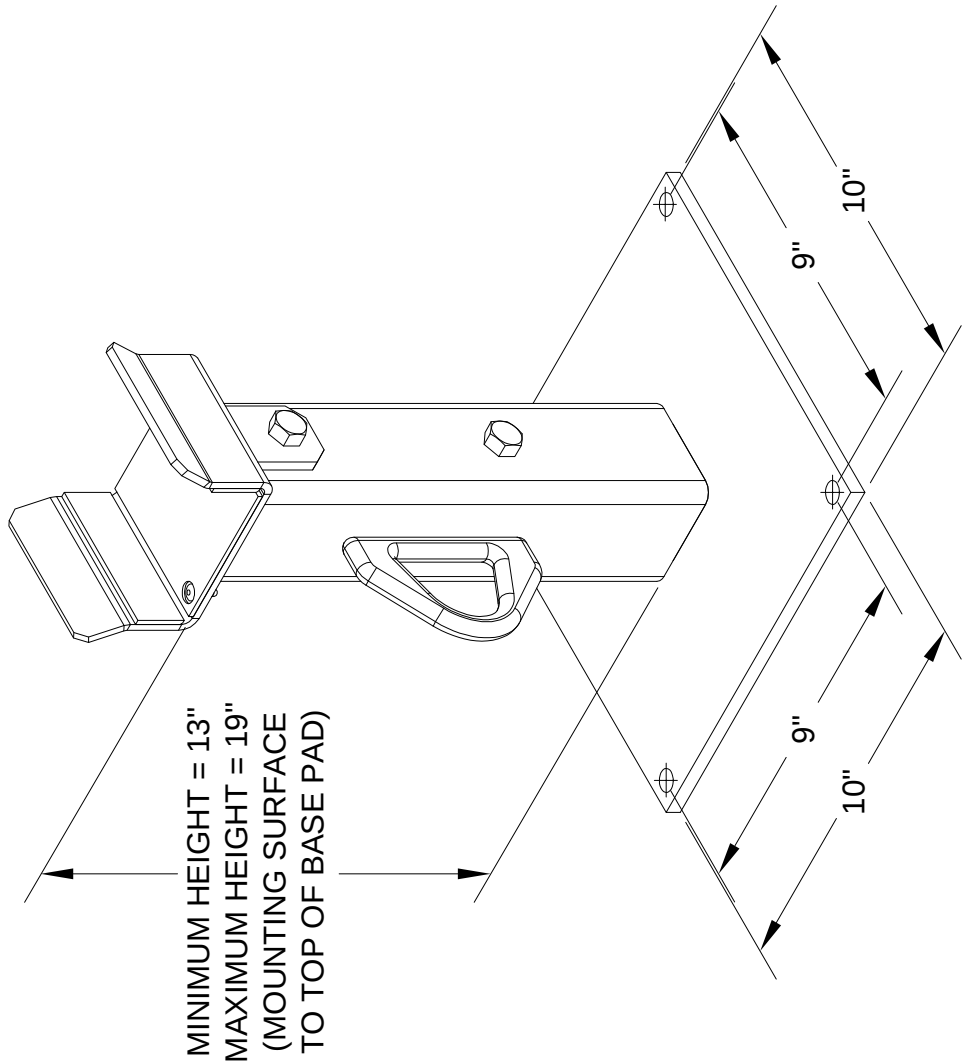
ET6K & LARGER CRANES

SUPERSEDES

12-26-13J

22245

21440 ADJUSTABLE BOOM REST



|                                                                                                                                           |                                                               |                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|-----------------|
| <br>VENCO VENTURO INDUSTRIES LLC<br>CINCINNATI, OHIO | TITLE<br>21440 ADJUSTABLE BOOM REST<br>ET6/8/12 SERIES CRANES | DATE<br>03-08-19B       | SECTION<br>C200 |
|                                                                                                                                           |                                                               | SUPERSEDES<br>12-26-13A | 20872           |

# SECTION 300

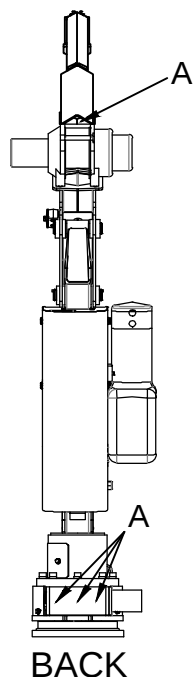
## MAINTENANCE

&

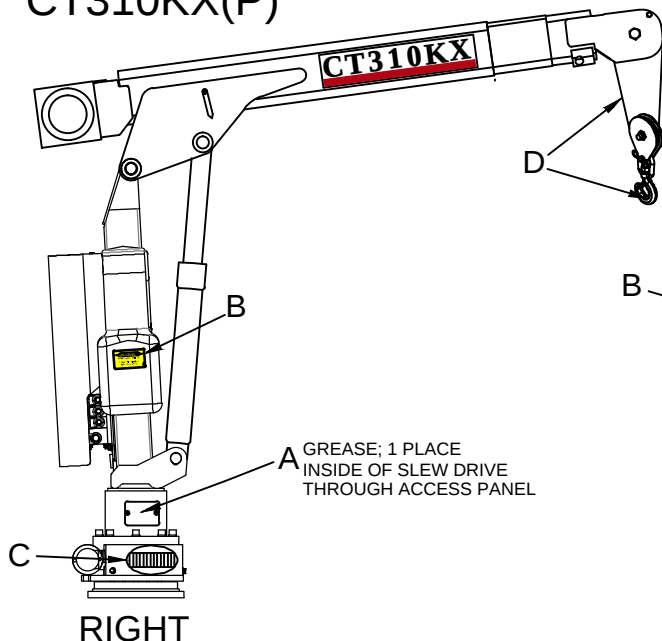
## SERVICE



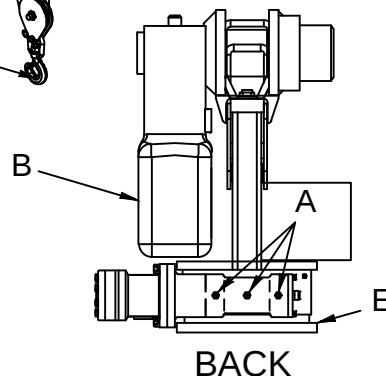
VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO



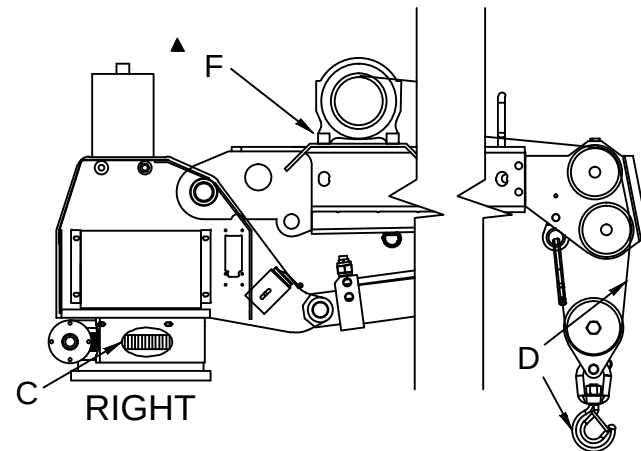
CT310KX(P)



GREASE; 1 PLACE  
INSIDE OF SLEW DRIVE  
THROUGH ACCESS PANEL



ET6K



**ATTENTION:**

NEVER WASH THIS CRANE WITH CHEMICAL PRODUCTS OR HIGH PRESSURE WATER JETS, AS THEY CAN CAUSE DETACHMENT OF DECALS OR ENTRANCE OF WATER INTO ELECTRICAL OR SLEWING RING COMPONENTS

| Location | Service Required                                            | Note                                                                                                                                                             |                                                                                          | Service Interval                                                                  |
|----------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| A        | Grease fitting With Pressure Grease Gun                     | Use FUCHS Renolit Aluminum Complex Grease, or equivalent<br><b>⚠️ ALIGNMENT:</b> To align hole w/ fitting, line up grease decals on lower cover and base gusset. |                                                                                          | Time of Truck Service                                                             |
| B        | Fill Oil Reservoir to Oil Level with Boom Down and Boom In. | Use Dextron ATF for Ambient Temperatures Between -22° F and 30° F                                                                                                | Use ISO Viscosity Grade 68 or Equivalent for Ambient Temperatures Between 10°F and 125°F | Time of Truck Service and as required by changes in the ambient temperature range |
| C        | Lubricate Gear Teeth                                        | Remove Cover & Use Chassis Grease                                                                                                                                |                                                                                          | Time of Truck Service                                                             |
| D        | Check Wire Rope and Hook                                    | Rope should be free of kinks and fraying                                                                                                                         |                                                                                          | Time of Truck Service                                                             |
| E        | Check Torque of Base Mounting Bolts                         | Square base: torqued to 230 ft-lbs                                                                                                                               |                                                                                          | Time of Truck Service                                                             |
| -        | Check Torque of Base Mounting Bolts                         | Rectangular base: torqued to 455 ft-lbs                                                                                                                          |                                                                                          | Time of Truck Service                                                             |
| F        | Check Torque of Winch Mounting Bolts                        | Bolts should be torqued to 32 ft-lbs                                                                                                                             |                                                                                          | Time of Truck Service                                                             |



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

LUBRICATION & MAINTENACE CHART

ET6K & CT310KX(P)

DATE

03-06-23E

SUPERSEDES

01-30-23D

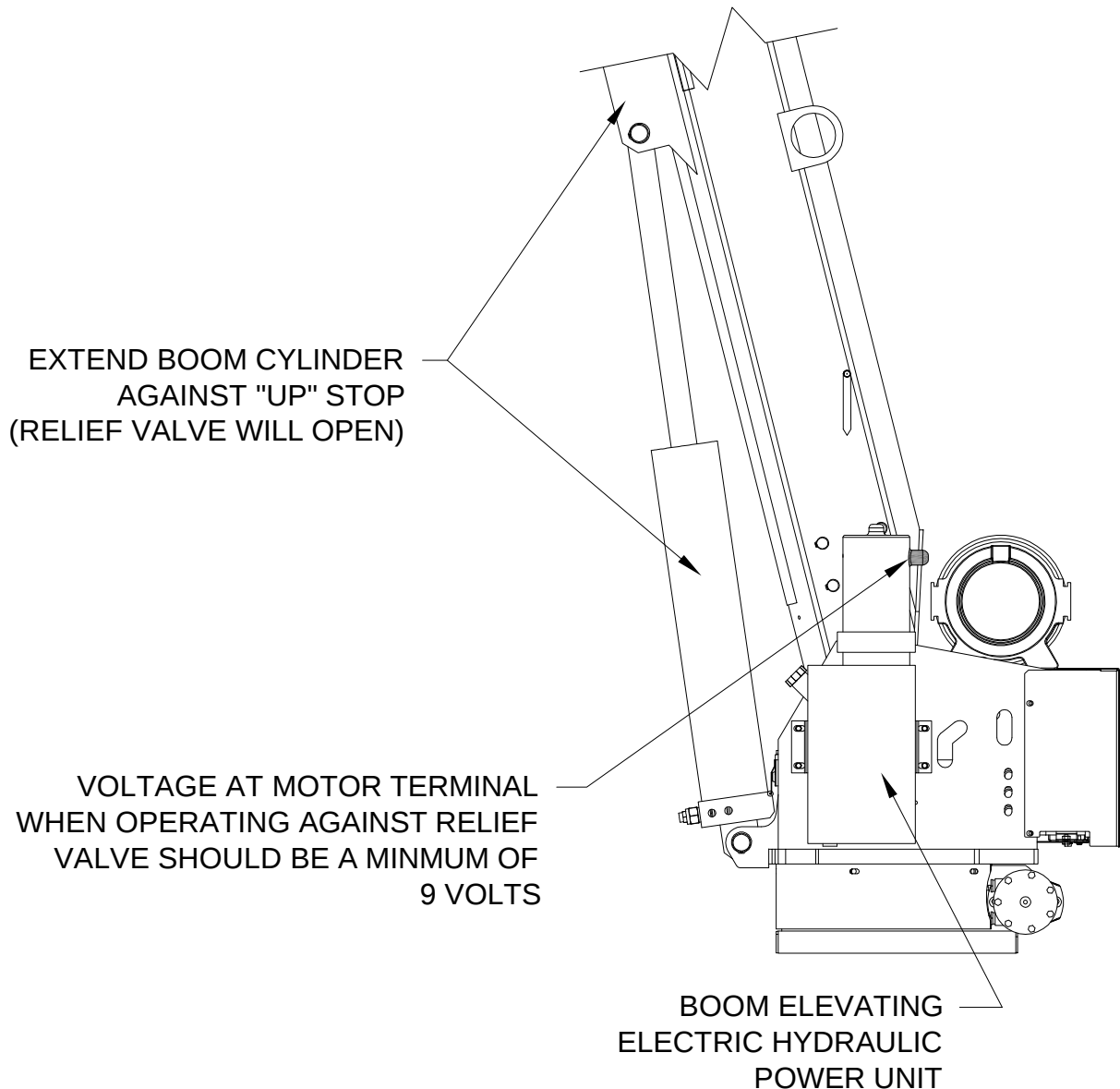
SECTION

C300

21982

# MINIMUM VOLTAGE TEST

ONE OF THE MOST COMMON ELECTRICAL PROBLEMS ENCOUNTERED ON 12 VOLT ELECTRICAL CRANES IS INSUFFICIENT VOLTAGE AT THE MOTOR WHEN DRAWING THE LARGE CURRENT THAT EXISTS AT FULL LOAD



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE  
**MINIMUM VOLTAGE TEST**  
ET SERIES CRANES

DATE  
12-26-13G  
SUPERSEDES  
10-05-09F

SECTION  
C300  
**19963**

# WIRE ROPE ASSEMBLY

ET6K WIRE ROPE:

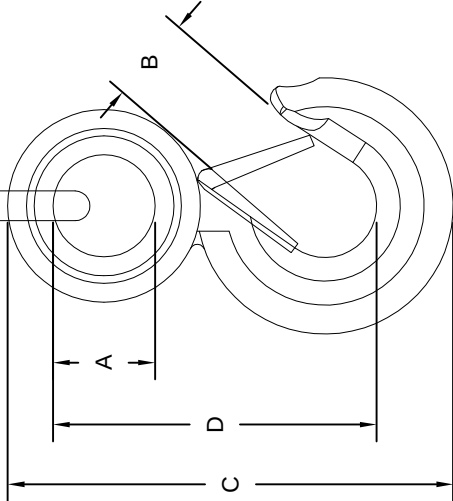
3/16" DIA, 50' LONG

GAC 7X19 LHRL-IWRC, SB 4200 LBS

▲ ET8/12 SERIES WIRE ROPE:

1/4" DIA, 65' LONG

GAC 7X19 IPS-LHRL-IWRC, SB 7000 LBS



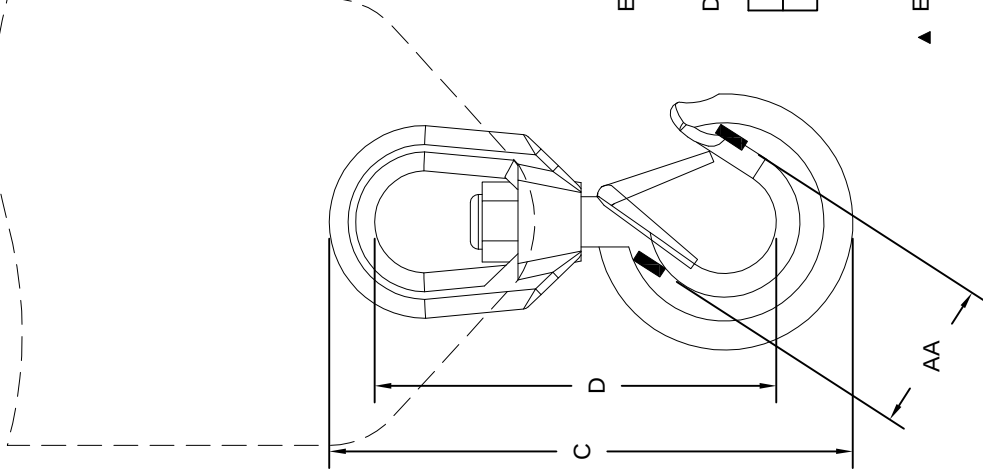
WIRE ROPE HOOK:

RATING: 1 TONNE (2205 LBS)

DIMENSIONS:

| A     | B     | C     | D     |
|-------|-------|-------|-------|
| 0.88" | 1.06" | 4.88" | 3.63" |

# LOAD BLOCK ASSEMBLY



ET6K LOAD BLOCK HOOK:

RATING: 1.5 TONNE (3307 LBS)

DIMENSIONS:

| COLOR | BRAND  | AA    | C     | D     |
|-------|--------|-------|-------|-------|
| GOLD  | CROSBY | 2.00" | 7.75" | 6.12" |

▲ ET8/12 SERIES LOAD BLOCK HOOK:

RATING: 2 TONNE (4410 LBS)

DIMENSIONS:

| COLOR | BRAND  | AA    | C     | D     |
|-------|--------|-------|-------|-------|
| GOLD  | CROSBY | 2.00" | 8.25" | 6.50" |

TITLE

VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO



WIRE ROPE & HOOKS SPECIFICATIONS

ET6/8/12 SERIES CRANES

DATE

03-08-19G

SUPERSEDES

05-09-16F

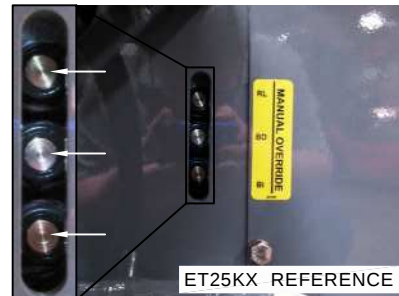
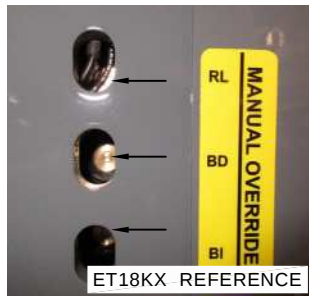
SECTION

C300

23225

MANUAL OVERRIDE INSTRUCTIONS  
ET NON-PROPORTIONAL SERIES CRANES ▲

!! READ ALL INSTRUCTIONS BEFORE PERFORMING MANUAL OVERRIDE PROCEDURES !!



Each valve station incorporates [2] hydraulic ports and [2] coils. Manual override shafts are located in the center of the coils (see figure 1). Manual override decals are placed on each crane near the valve assembly. These decals provide a visual aid that helps the operator determine the function designations (Reference figure 2).

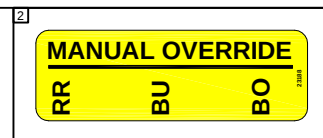
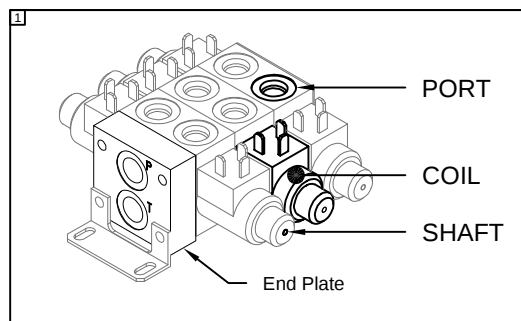
2-STATION FUNCTIONS:

RR = Rot. Right RL = Rot. Left  
BU = Boom Up BD = Boom Down

3-STATION FUNCTIONS include previous functions, plus:

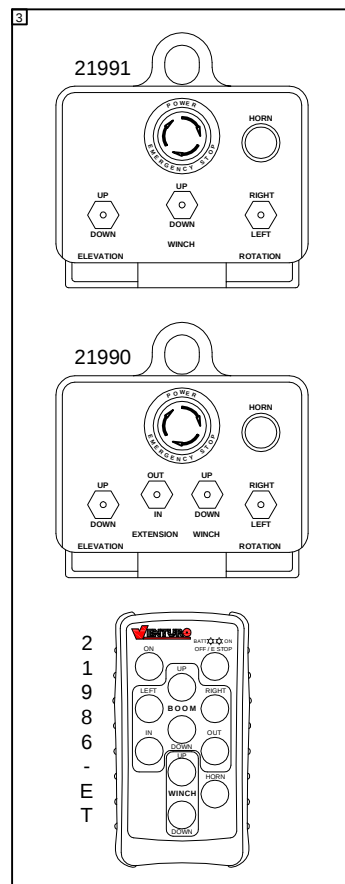
BI = Boom In BO = Boom Out

**ALWAYS BE SURE TO CHECK HYDRAULIC OIL LEVEL BEFORE PROCEEDING. IT IS RECOMMENDED TO REMOVE ANY ITEM(S) THAT MAY INTERFERE WITH OPERATING THE CRANE MANUALLY. IF POSSIBLE, STRAPS AND/OR HARNESSSES SHOULD BE REMOVED BEFORE OPERATING A CRANE IN MANUAL OVERRIDE !!**



Procedure:

1. Turn Master disconnect switch to "ON"
2. Power up the pendant / radio
  - 2.1. PENDANT - twist EMERGENCY STOP button clockwise
  - 2.2. RADIO - Press green ON button
3. On the crane, reference the function you wish to perform using the manual override decal
4. Using a tool with a diameter of 1/8" or smaller, press the shaft inward and hold
5. Reference the functions listed on your pendant or radio (see figure 3)
6. Press the switch or button for the same function
7. If you need to change function,
  - 7.1. Release switch or button
  - 7.2. Remove tool from shaft
  - 7.3. Go to step 3



For assistance, please feel free to contact Technical Support at 800-226-2238.



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
MAN. OVERRIDE INSTR.  
ET NON-PROP CRANES

DATE  
03-08-19A  
SUPERSEDES  
02-09-17

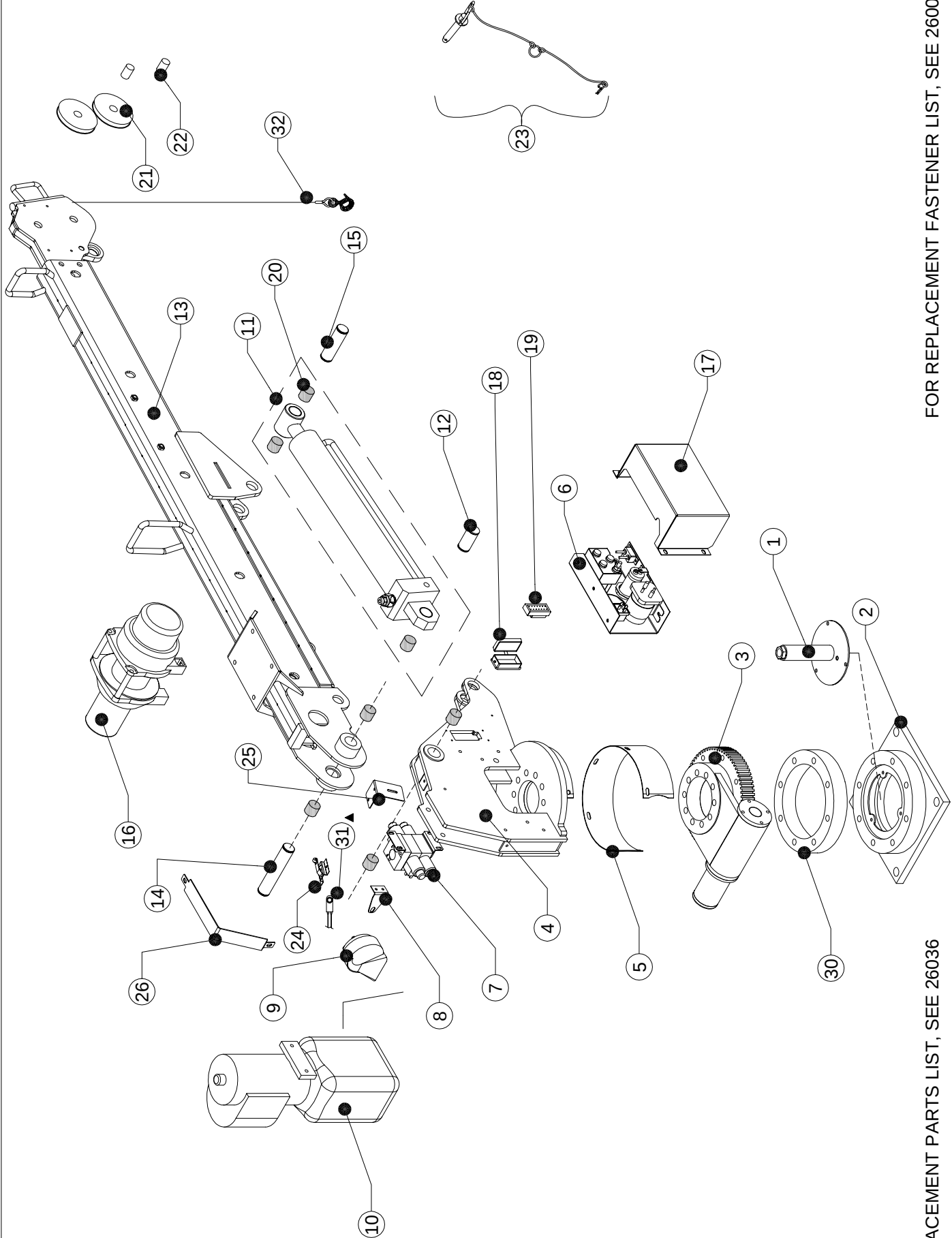
SECTION  
C200  
23084

# SECTION 400

## REPLACEMENT PARTS



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO



FOR REPLACEMENT PARTS LIST, SEE 26036

FOR REPLACEMENT FASTENER LIST, SEE 26004

|                                                                                                                                                              |                                           |  |                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|--------------------------------|
| <br><b>VENTURO®</b><br>VENCO VENTURO INDUSTRIES LLC<br>CINCINNATI, OHIO | TITLE<br><b>REPLACEMENT PARTS DRAWING</b> |  | SECTION<br><b>C400</b>         |
|                                                                                                                                                              | DATE<br><b>09-29-15C</b>                  |  | SUPERSEDES<br><b>09-17-15B</b> |
|                                                                                                                                                              | ET6K                                      |  | <b>26003</b>                   |

# REPLACEMENT PARTS LIST; ET6K

| 32      | 1   | 15810-3/16-50 | WIRE ROPE ASSY. 3/16 GALV. AIRCRAFT                          |
|---------|-----|---------------|--------------------------------------------------------------|
| 31      | 1   | 19918         | SWITCH, TOP POSITION                                         |
| 30*     | 1   | 27217         | SPACER RING                                                  |
| 29*     | 1   | 25995         | HOSE & FITTING KIT                                           |
| 28*     | 1   | 21666         | WIRING KIT,                                                  |
| 27*     | 1   | 26839         | FIELD SERVICE LABEL KIT, ET6K                                |
| 26      | 1   | 27433         | COVER; MECHANISM                                             |
| 25      | 1   | 20497         | SWITCH BRACKET; TOP POSITION                                 |
| 24      | 1   | 19917         | BOOM SHUT-OFF SWITCH BRACKET                                 |
| 23      | 1   | 23042-F-34-34 | HITCH PIN ASSY; BOOM LOCK                                    |
| 22      | 2   | 13168-2       | SLEEVE                                                       |
| 21      | 2   | 19646         | SHEAVE WITH BUSHING                                          |
| 20      | 7   | 21789         | COMPOSITE BEARING; ELEVATION / PRIMARY PIVOTS, AND MECHANISM |
| 19      | 1   | 22482         | PLUG; FEMALE INSERT, 16 PIN + 1 POLE                         |
| 18      | 1   | 22481         | SOCKET CASE W/ HOOD; 22482 PLUG                              |
| 17      | 1   | 27435         | SIDE COVER                                                   |
| 16      | 1   | 20586         | WINCH; DC1200                                                |
| 15      | 1   | 27444         | PIVOT PIN, ELEV. CYL, ROD PIVOT                              |
| 14      | 1   | 27443         | PIVOT PIN, PRIMARY BOOM PIVOT                                |
| 13      | 1   | 25997         | BOOM, FINAL ASSY., ET6K                                      |
| 12      | 1   | 21546         | PIVOT PIN, ELEVATION CYLINDER, BASE PIVOT                    |
| 11      | 1   | 21788         | ELEVATION CYLINDER W/ COMPOSITE BEARINGS                     |
| 10      | 1   | 20456         | HYD PWR UNIT.                                                |
| 9       | 1   | 21948         | HORN                                                         |
| 8       | 1   | 22000         | BRACKET; HORN                                                |
| 7       | 1   | 21615         | 4-2 VALVE BLOCK                                              |
| 6       | 1   | 21515         | ELECTRICAL COMPONENT PANEL                                   |
| 5       | 1   | 27519         | COVER; SLEWING RING                                          |
| 4       | 1   | 25998         | WELDED ASSY; MECHANISM                                       |
| 3       | 1   | 27243         | SLEW DRIVE ASSY; 7" W/ HD HYD MOTOR (50RA) & MNTNG BASE      |
| 2**     | 1   | 27369         | WELDED ASSY; MOUNTING BASE (SQUARE)                          |
| 2**     | 1   | 26017         | WELDED ASSY; MOUNTING BASE (RECTANGULAR)                     |
| 1       | 1   | 21506         | CANDLESTICK ASSY; SWIVEL PIGTAIL                             |
| ITEM NO | QTY | PART NO       | DESCRIPTION                                                  |

\* NOT SHOWN

\*\* INCLUDES EITHER 27369 OR 26017

FOR REPLACEMENT PARTS DRAWING SEE 26003



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
RPLCMNT PARTS LIST

ET6K

DATE  
03-06-22F

SUPERSEDES  
09-29-15E

SECTION  
C400

26036

# FASTENER LIST FOR ET6K

| PART NO.        | DESCRIPTION                                              | QTY | LOCATION / FUNCTION                     |
|-----------------|----------------------------------------------------------|-----|-----------------------------------------|
| !HHCS03118063   | HEX HEAD CAP SCREW; 5/16-18 x 5/8", PLATED               | 1   | GROUND STRAP ON CANDLESTICK             |
| !LWSH-031       | LOCK WASHER; 5/16"                                       | 1   | GROUND STRAP ON CANDLESTICK             |
| !LWSH-031-STAR  | LOCK WSHER; 5/16", EXTERNAL STAR                         | 1   | GROUND STRAP ON CANDLESTICK             |
| !HHCS02520063-F | HEX HEAD CAP SCREW; 1/4-20 x 5/8", SELF-TAP              | 3   | CANDLESTICK TO BASE                     |
| !LWSH-025-STAR  | LOCK WASHER; 1/4", EXTERNAL STAR                         | 6   | CANDLESTICK TO BASE                     |
| !ZERK-01327BPT  | GREASE FITTING                                           | 3   | SLEWING RING                            |
| !12534-4        | MACHINERY BUSHING; 1/2 I.D., 7/8 O.D., 14GA, PLATED      | 8   | MOUNTING BASE TO SLEW DRIVE             |
| !SHCS05013275   | SOCKET HEAD CAP SCREW; 1/2-13 X 2-3/4", BLACK OXIDE      | 8   | MOUNTING BASE TO SLEW DRIVE             |
| !SHCS05013250   | SOCKET HEAD CAP SCREW; 1/2-13 x 2 1/2" LG, GR. 5, PLATED | 10  | MECHANISM TO SLEW DRIVE                 |
| !LWSH-050-HC    | LOCK WASHER; HI-COLLAR, 1/2, PLATED                      | 10  | MECHANISM TO SLEW DRIVE                 |
| !HHCS03816100   | HEX HEAD CAP SCREW; 3/8-16 x 1" LG, GR. 5, PLATED        | 2   | HYDRAULIC POWER UNIT TO MECHANISM       |
| !LWSH-038       | LOCK WASHER; 3/8"                                        | 2   | HYDRAULIC POWER UNIT TO MECHANISM       |
| !HHCS02520075   | HEX HEAD CAP SCREW; 1/4-20 x 3/4", PLATED                | 4   | 4-2 VALVE BLOCK TO MECHANISM            |
| !LWSH-025       | LOCK WASHER; 1/4"                                        | 4   | 4-2 VALVE BLOCK TO MECHANISM            |
| !FWSH-025       | FLAT WASHER; 1/4"                                        | 4   | 4-2 VALVE BLOCK TO MECHANISM            |
| !HHCS#1024125   | HEX HEAD CAP SCREW; #10-24 x 1 1/4", PLATED              | 2   | TOP ANGLE SWITCH                        |
| !LWSH-#10       | LOCK WASHER; #10                                         | 2   | TOP ANGLE SWITCH                        |
| !HNUT-#1024     | HEX NUT; #10-24                                          | 2   | TOP ANGLE SWITCH                        |
| !HHCS02520063   | HEX HEAD CAP SCREW; 1/4-20 x 5/8", PLATED                | 1   | TOP ANGLE SWITCH BRACKET - MECHANISM    |
| !FWSH-025       | FLAT WASHER; 1/4"                                        | 1   | TOP ANGLE SWITCH BRACKET - MECHANISM    |
| !LWSH-025       | LOCK WASHER; 1/4"                                        | 1   | TOP ANGLE SWITCH BRACKET - MECHANISM    |
| !UNUT-02520     | U-NUT; 1/4-20                                            | 5   | COVER; ROTATION                         |
| !HHCS02520063   | HEX HEAD CAP SCREW; 1/4-20 x 5/8", PLATED                | 5   | COVER; ROTATION                         |
| !FWSH-025       | FLAT WASHER; 1/4"                                        | 5   | COVER; ROTATION                         |
| !LWSH-025       | LOCK WASHER; 1/4"                                        | 5   | COVER; ROTATION                         |
| !HHCS02520063   | HEX HEAD CAP SCREW; 1/4-20 x 5/8", PLATED                | 2   | ACCESS PANEL - MECHANISM                |
| !FWSH-025       | FLAT WASHER; 1/4"                                        | 2   | ACCESS PANEL - MECHANISM                |
| !SHCS#1024038   | SOCKET HEAD CAP SCREW; #10-24 x 3/8", PLATED             | 2   | HORN BRACKET - MECHANISM                |
| !LWSH-#10       | LOCK WASHER; #10                                         | 2   | HORN BRACKET - MECHANISM                |
| !SHCS#1024038   | SOCKET HEAD CAP SCREW; #10-24 x 3/8", PLATED             | 1   | CABLE CLAMP - MECHANISM                 |
| !LWSH-#10       | LOCK WASHER; #10                                         | 1   | CABLE CLAMP - MECHANISM                 |
| !PHCS#0832050   | PAN HEAD CAP SCREW; #08-32 x 1/2", PLATED                | 4   | PENDANT PLUG CASE                       |
| !LWSH-#08       | LOCK WASHER; #08                                         | 4   | PENDANT PLUG CASE                       |
| !HHCS03816100   | HEX HEAD CAP SCREW; 3/8-16 x 1" LG, GR. 5, PLATED        | 4   | WINCH TO MOUNTING PLATE                 |
| !FWSH-038       | FLAT WASHER; 3/8"                                        | 4   | WINCH TO MOUNTING PLATE                 |
| !LWSH-038       | LOCK WASHER; 3/8"                                        | 4   | WINCH TO MOUNTING PLATE                 |
| !HNUT-038       | HEX NUT; 3/8                                             | 4   | WINCH TO MOUNTING PLATE                 |
| !SHCS03118075   | SOCKET HEAD CAP SCREW; 5/16-18 x 3/4" LG, PLATED         | 4   | SIDE COVER - MECHANISM                  |
| !LWSH-031       | LOCK WASHER; 5/16"                                       | 4   | SIDE COVER - MECHANISM                  |
| !HHCS06311175   | HEX HEAD CAP SCREW; 5/8-11 x 1 3/4" LG, PLATED           | 2   | SHEAVE AXLE                             |
| !JNUT-06311N    | JAM NUT; 5/8-11                                          | 2   | SHEAVE AXLE                             |
| !HHCS02520063-F | HEX HEAD CAP SCREW; 1/4-20 x 5/8", SELF-TAP              | 3   | ELECTRICAL COMPONENT PANEL TO MECHANISM |
| !LWSH-025-STAR  | LOCK WASHER; 1/4", EXTERNAL STAR                         | 3   | ELECTRICAL COMPONENT PANEL TO MECHANISM |
| !HHCS02520063   | HEX HEAD CAP SCREW; 1/4-20 x 5/8", PLATED                | 2   | MECHANISM COVER TO MECHANISM            |
| !LWSH-025       | LOCK WASHER; 1/4"                                        | 2   | MECHANISM COVER TO MECHANISM            |
| !SRNG-113       | SNAP RING; 1-1/8", PLATED                                | 6   | ALL PIVOT PINS                          |

FOR REPLACEMENT PARTS DRAWING SEE 26003



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
REPLCMNT FASTENERS

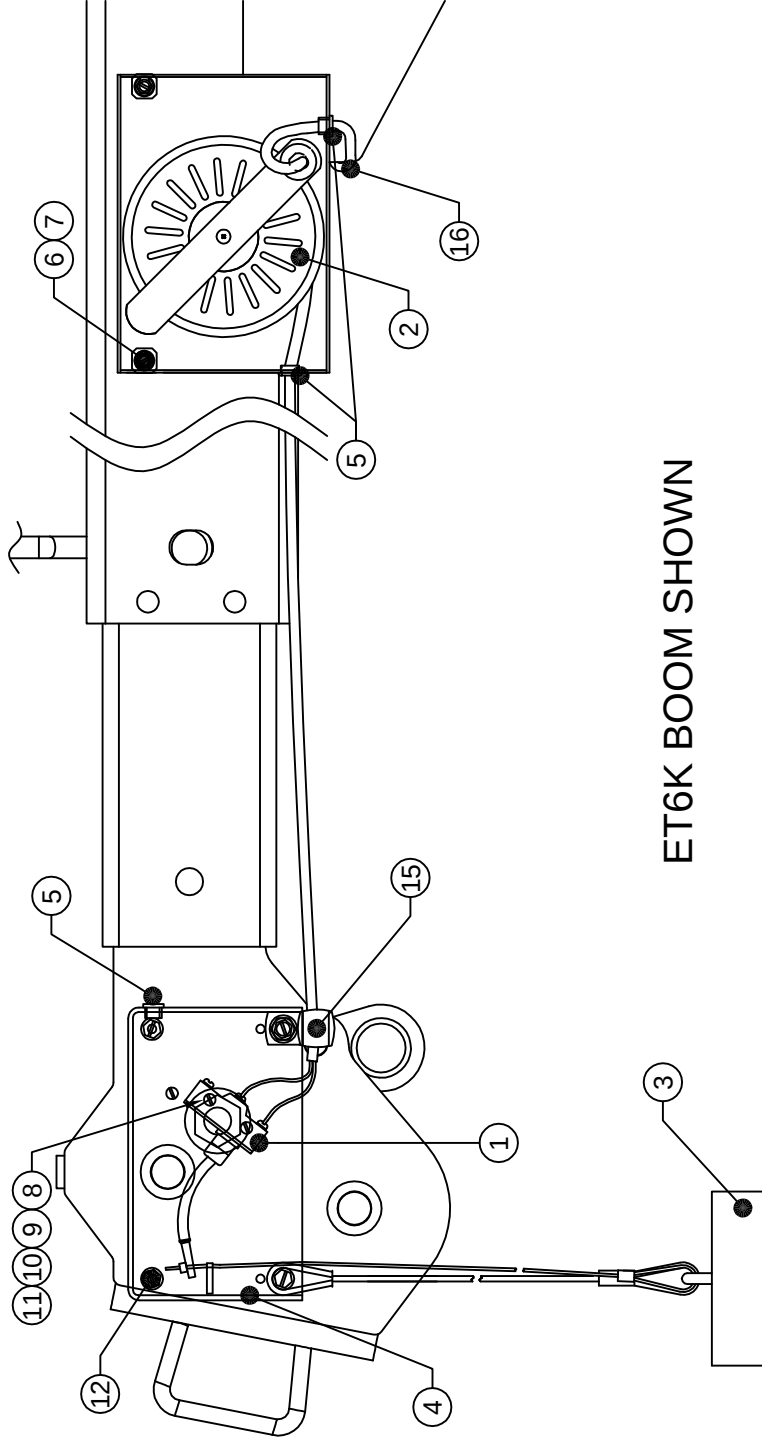
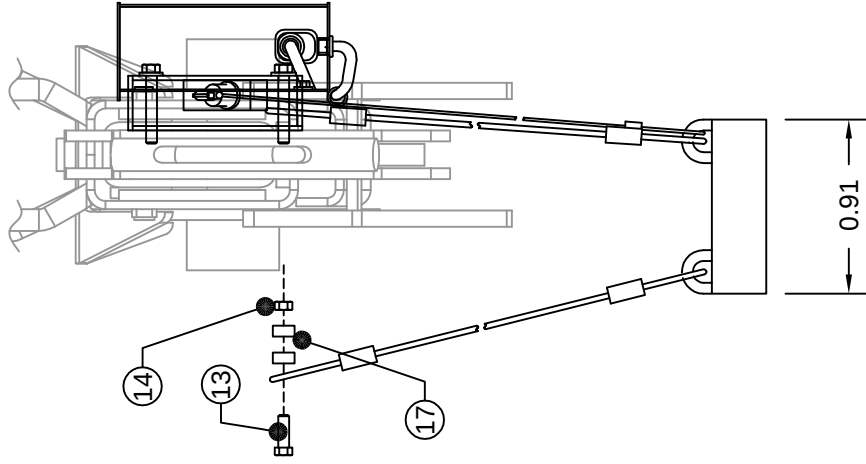
ET6K

DATE  
11-05-20B

SUPERSEDES  
11-15-17A

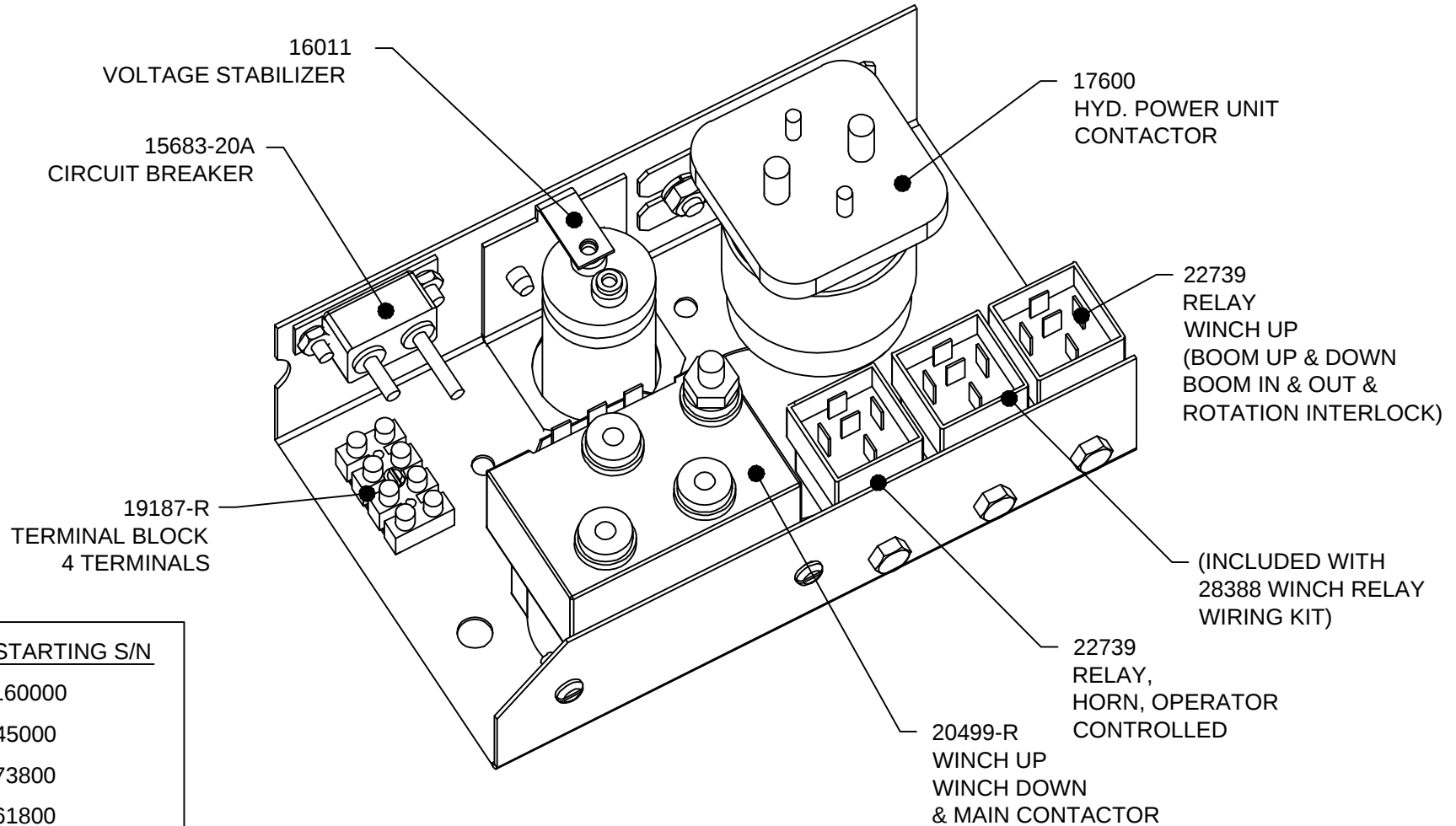
SECTION  
C400

26004



| 17   | 4   | 22490           | SPACER; BOOM ARROW (2 PER SIDE)                |
|------|-----|-----------------|------------------------------------------------|
| 16   | 1   | 21679           | WIRE HARNESS; A2B CORD REEL                    |
| 15   | 1   | 19269           | CABLE CLAMP; SMALL                             |
| 14   | 1   | !HNUT-02520     | HEX NUT; 1/4-20                                |
| 13   | 1   | !HHC502520075-5 | HEX HEAD CAP SCREW; 1/4-20 x 3/4, GR. 5        |
| 12   | 4   | !HHC502520175   | HEX HEAD CAP SCREW; 1/4-20 x 1 3/4, GR. 5      |
| 11   | 2   | !LWSH-#06       | LOCK WASHER; #6                                |
| 10   | 2   | !FWSH-#06       | FLAT WASHER; #6                                |
| 9    | 2   | !HNUT-#0632     | HEX NUT; #6-32                                 |
| 8    | 2   | !PHMS#0632125   | PAN HEAD MACHINE SCREW; #6-32 x 1 1/4", GR. 5  |
| 7    | 4   | !LWSH-031       | LOCK WASHER; 5/16                              |
| 6    | 4   | !SHCS03118050-5 | SOCKET HEAD CAP SCREW; 5/16-18 x 1 1/2", GR. 5 |
| 5    | 3   | 19270           | SNAP BUSHING; 9/16" I.D.                       |
| 4    | 1   | 21291           | ANTI-TWO-BLOCK (A2B) HOUSING                   |
| 3    | 1   | 19377-1         | ASSY; WEIGHT, A2B                              |
| 2    | 1   | 22683           | ASSY; CORD REEL, LEFT                          |
| 1    | 1   | 19376           | SWITCH; A2B                                    |
| ITEM | QTY | PART NO         | DESCRIPTION                                    |

# 21515 ELECTRICAL COMPONENT ASSEMBLY



| MODEL   | STARTING S/N |
|---------|--------------|
| ET6K    | 160000       |
| ET8K    | 45000        |
| ET8KX   | 73800        |
| ET12K   | 61800        |
| ET12KX  | 69800        |
| ET12KXP | 25C000001    |

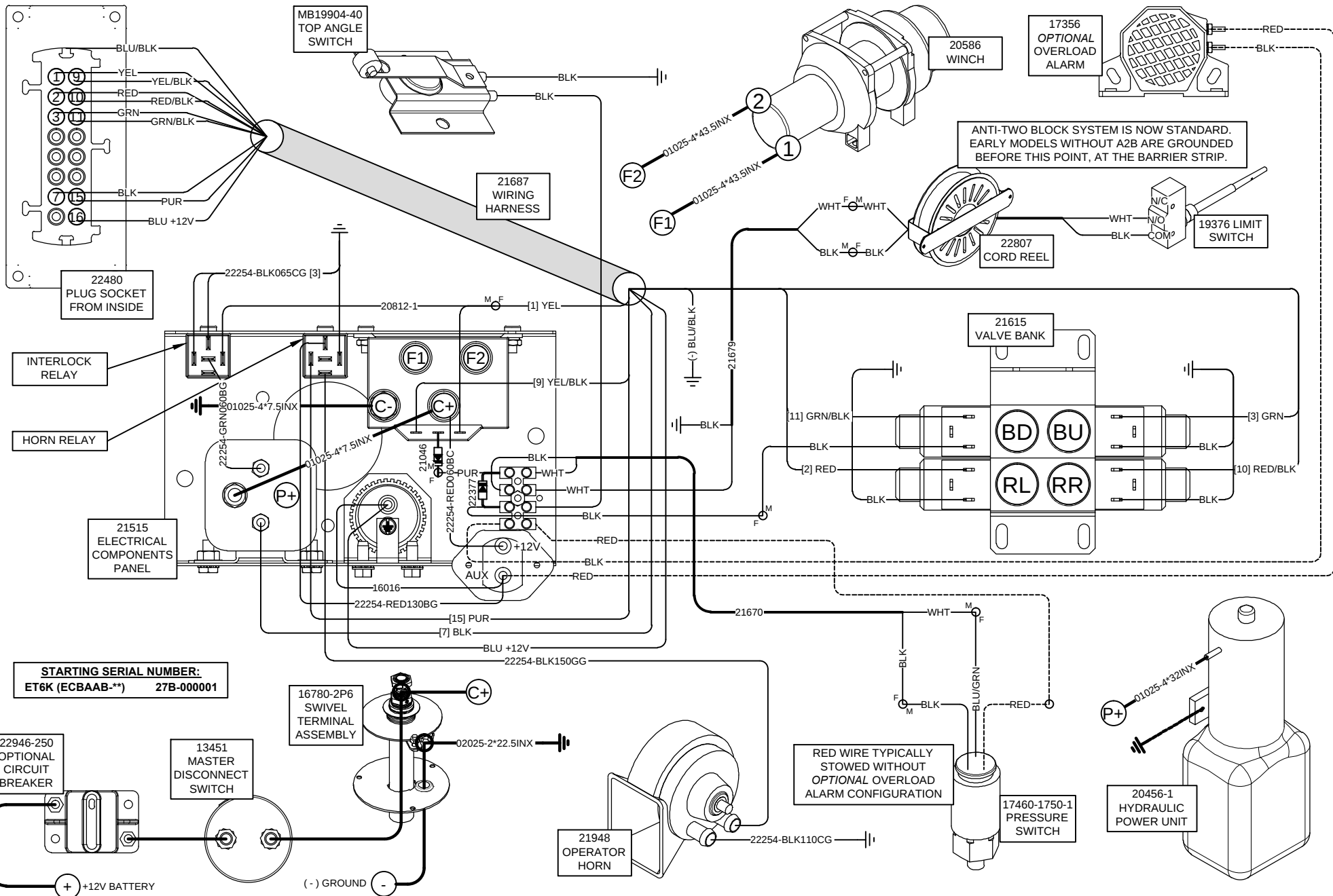


VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
**ELECTRICAL COMPONENT ASSEMBLY**  
ET6K, ET8/12K(X), ET12KXP

DATE  
**03-02-23G**  
SUPERSEDES  
**07-31-18F**

SECTION  
**C400**  
**21600**



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

# WIRING DIAGRAM

ET6K

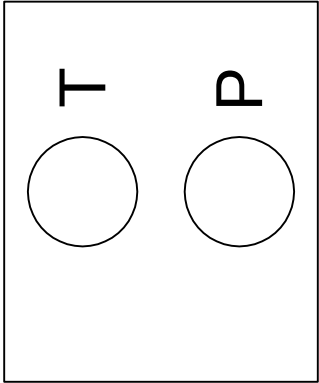
DATE  
04-07-21C

SUPERSEDES  
02-02-21B

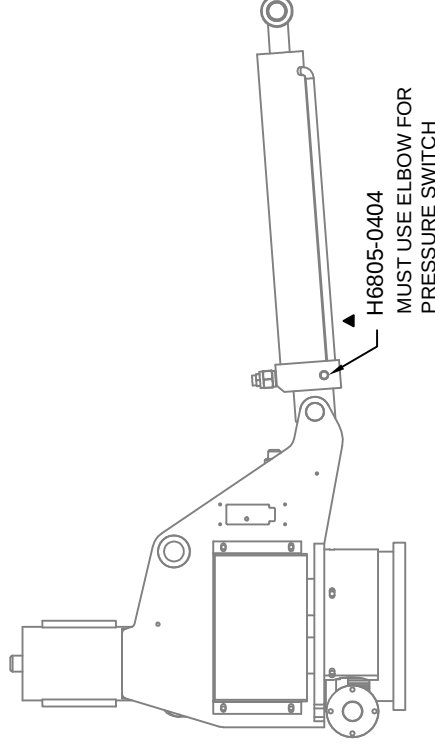
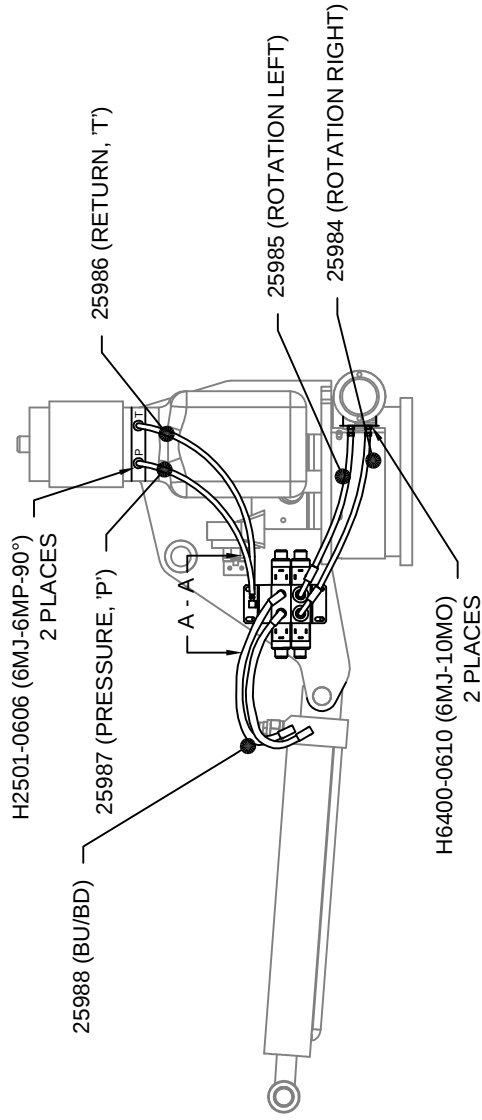
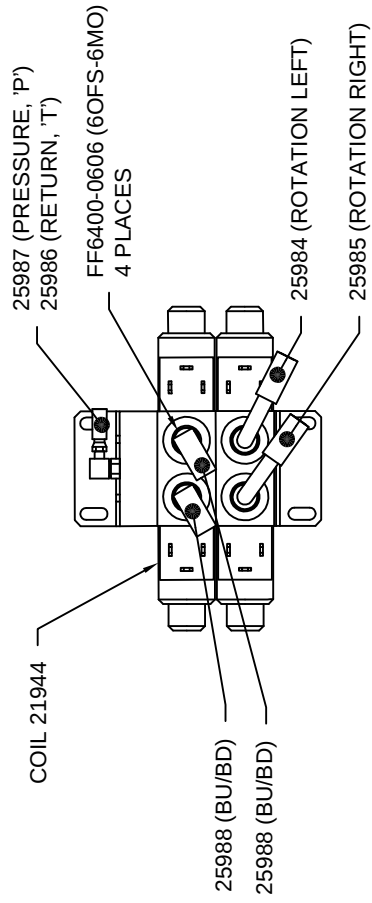
SECTION  
C400

26520





SECTION A - A  
NOT TO SCALE



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
REPLACEMENT PARTS DRAWING

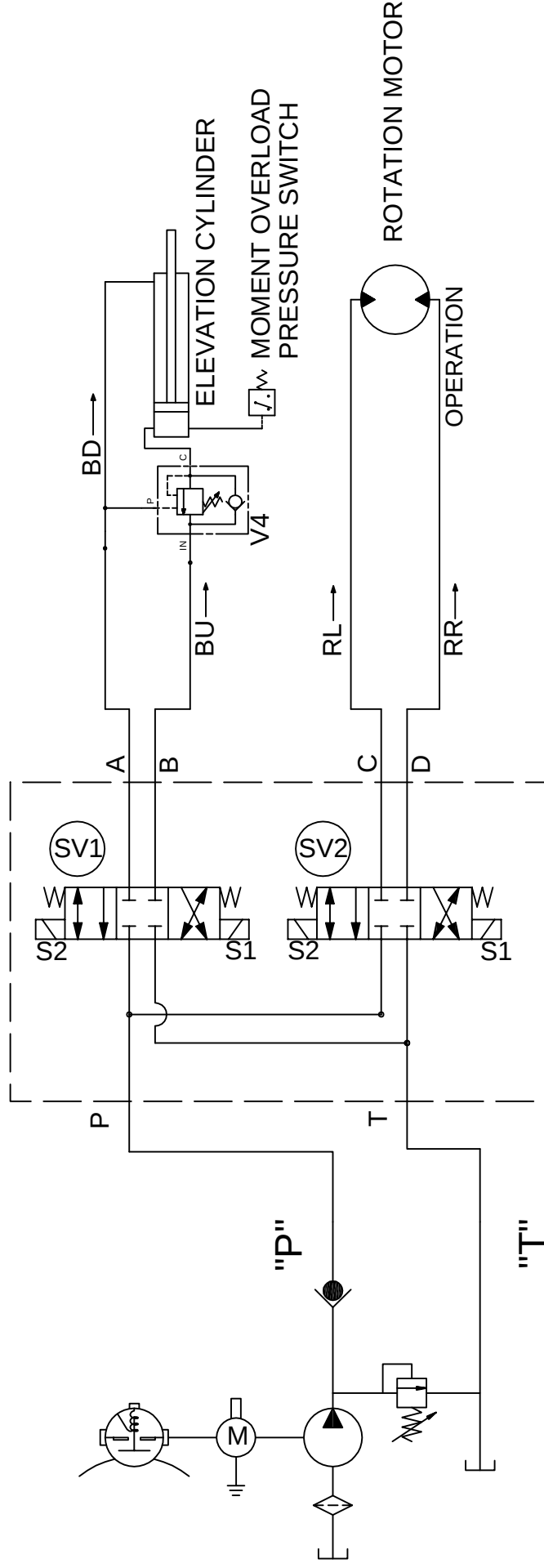
ET6K HYD COMPONENTS

DATE  
12-16-16C

SUPERSEDES  
03-19-15B

SECTION  
C400

260007



SCHEMATIC

SV1

ENERGIZE "S2"  
OPEN FLOW  
'P' TO 'A'  
'B' TO 'T'  
ENERGIZE "S1"  
OPEN FLOW  
'P' TO 'B'  
'A' TO 'T'

SV2

ENERGIZE "S2"  
OPEN FLOW  
'P' TO 'C'  
'D' TO 'T'  
ENERGIZE "S1"  
OPEN FLOW  
'P' TO 'D'  
'C' TO 'T'

# Single & 2-Pole Slip-ring Replacement Parts (1 of 2)

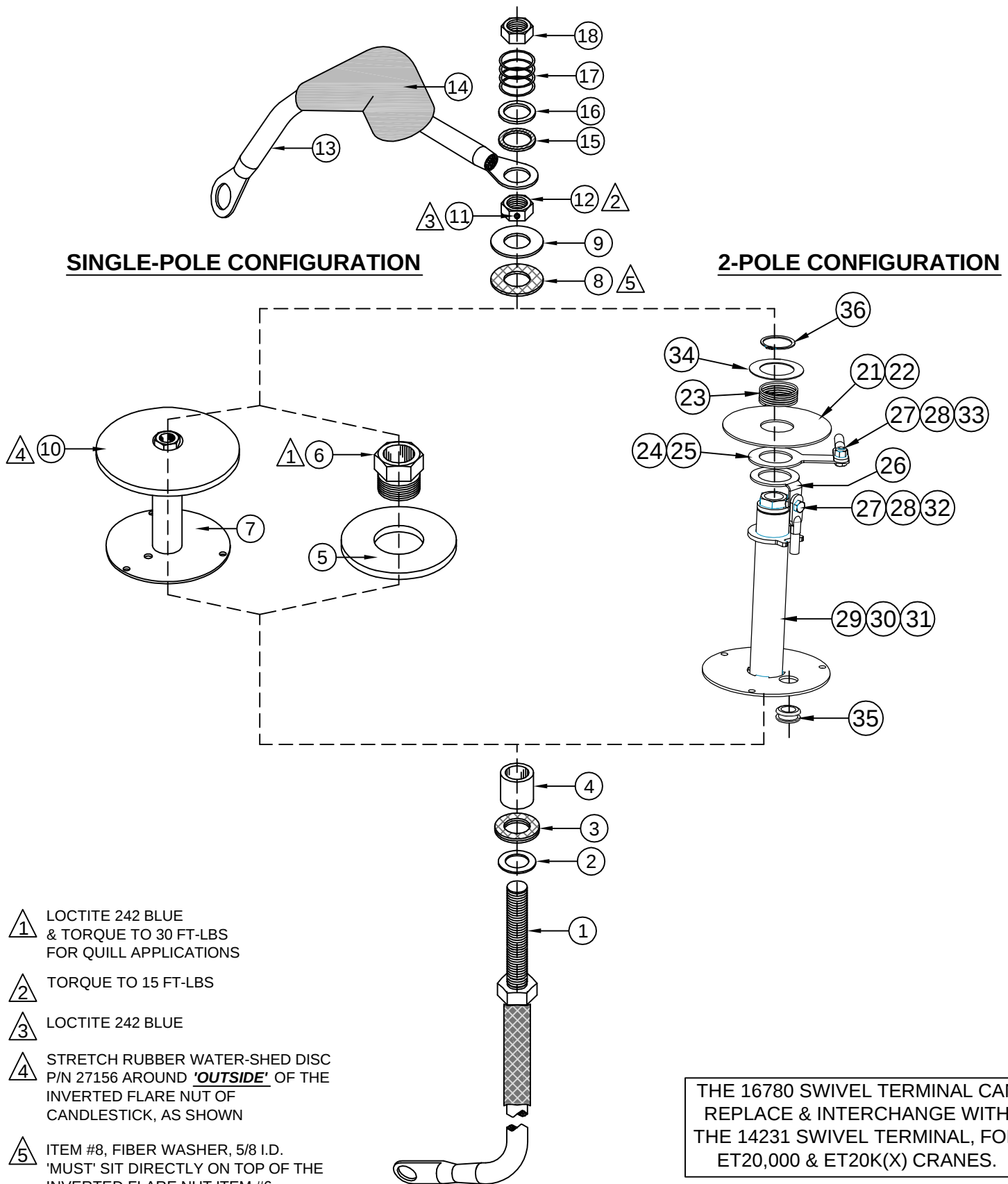
|                |                                     |                                            |                                           |                                            |             | 16780 BILLS OF MATERIALS |                 |                                                  |
|----------------|-------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|-------------|--------------------------|-----------------|--------------------------------------------------|
| Quill Rotation | Slew Rotation Single Pole Slip-Ring | Slew Rotation 2-Pole Slip-Ring (ET6K ONLY) | Slew Rotation 2-Pole Slip-Ring (ET8-18KX) | Slew Rotation 2-Pole Slip-Ring (ET25-36KX) | ALL CRANES  |                          |                 |                                                  |
| 16780          | 16780 - 1                           | 16780 - 2P6                                | 16780 - 2P8                               | 16780 - 2P25                               | 16780 - KIT |                          |                 |                                                  |
| QTY            |                                     |                                            |                                           |                                            |             | #                        | PART            | DESCRIPTION                                      |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | -           | 1                        | 16783           | PIGTAIL AND STUD ASSEMBLY                        |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 2                        | 12534-5         | ZINC BUSHING; 5/8" I.D. X 1" O.D. X 14 GAUGE     |
| 2              | 2                                   | 2                                          | 2                                         | 2                                          | 2           | 3                        | 14357-1         | FIBER WASHER; 5/8" I.D. X 1 1/16" O.D. X 1/16"   |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 4                        | 14233           | INSULATING BUSHING; 5/8" I.D. X 7/8" O.D. X 7/8" |
| 1              | -                                   | -                                          | -                                         | -                                          | -           | 5                        | 14318           | FLAT WASHER; 1 3/16" I.D. X 2 3/4" O.D. X 3/16"  |
| 1              | -                                   | -                                          | -                                         | -                                          | -           | 6                        | 14232           | INVERTED FLARE NUT; 1 3/16"-16                   |
| -              | -                                   | -                                          | -                                         | -                                          | -           | 7                        | 27568           | WELDED ASSY. CANDLESTICK                         |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 8                        | 14357-2         | FIBER WASHER; 5/8" I.D. X 1 1/4" O.D. X 1/16"    |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 9                        | IFWSH-063SAE    | FLAT WASHER; 5/8" SAE                            |
| -              | 1                                   | -                                          | -                                         | -                                          | -           | 10                       | 27156           | RUBBER WATER SHIELD; 1/8" THICK                  |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 11                       | ISHCS02528025KC | SET SCREW W/ KNURLED CUP; 1/4"-28 X 1/4"         |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 12                       | 21273           | BRASS JAM NUT; 5/8"-11                           |
| -              | -                                   | -                                          | -                                         | -                                          | -           | 13                       | 26035-2         | PIGTAIL; SWIVEL TERMINAL                         |
| -              | -                                   | -                                          | -                                         | -                                          | -           | 14                       | 17012           | RUBBER BOOT; SWIVEL TERMINAL                     |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 15                       | 5612-162-62     | TEFLON WASHER                                    |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 16                       | 5714-113-62     | BRASS WASHER                                     |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 17                       | LC-098K-00      | SPRING; 0.845" O.D. X 0.098" WIRE X 1.00 F.L.    |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 18                       | !JNUT-06311N    | JAM NUT; 5/8"-11, NYLON NUT                      |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 19                       | LOCTITE-24205   | REMOVABLE THREAD LOCKER; 0.5ML                   |
| 1              | 1                                   | 1                                          | 1                                         | 1                                          | 1           | 20                       | 19368           | IDWG; 16780 SWIVEL TERMINAL                      |
| -              | -                                   | 1                                          | -                                         | -                                          | -           | 21                       | 27456           | UHMW WATER SHIELD, (ET6K ONLY)                   |
| -              | -                                   | -                                          | 1                                         | 1                                          | -           | 22                       | 27456-1         | UHMW WATER SHIELD, (ET8 - ET36)                  |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 23                       | 27461           | SPRING, (-) SLIP-RING ASSY.                      |
| -              | -                                   | -                                          | 1                                         | 1                                          | -           | 24                       | 27441-1         | COPPER SLIP-RING, (ET8 - ET36)                   |
| -              | -                                   | 1                                          | -                                         | -                                          | -           | 25                       | 27441           | COPPER SLIP-RING, (ET6K ONLY)                    |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 26                       | 27449-1         | BRASS SLIP-RING (ET6 - ET36)                     |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 27                       | !HHCS03118075-B | BRASS HHCS                                       |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 28                       | !HNUT-03118-B   | BRASS NYLOC NUT                                  |
| -              | -                                   | 1                                          | -                                         | -                                          | -           | 29                       | 23255           | SLIP-RING, WELDED ASSY, ET6K                     |
| -              | -                                   | -                                          | 1                                         | -                                          | -           | 30                       | 23255-1         | SLIP-RING, WELDED ASSY, ET8 - 18K(X)             |
| -              | -                                   | -                                          | -                                         | 1                                          | -           | 31                       | 23255-2         | SLIP-RING, WELDED ASSY, ET25 - 36K(X)            |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 32                       | 02025-2*96.5INX | (-) WELDING CABLE ASSY, BRASS SLIP-RING          |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 33                       | 02025-2*22.5INX | (-) WELDING CABLE ASSY, COPPER SLIP-RING         |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 34                       | 27463           | SHIM, WIDE RIM, 18GA, 2-1/4 O.D. X 1-1/2 I.D.    |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 35                       | 20889           | RUBBER GROMMET                                   |
| -              | -                                   | 1                                          | 1                                         | 1                                          | -           | 36                       | !SRNG-150       | SNAP-RING, EXTERNAL, 1-1/2"                      |



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

| TITLE                       | DATE                   | SECTION |
|-----------------------------|------------------------|---------|
| 16780 REPLACEMENT PARTS     | 03-29-19A              | C400    |
| ET6/8/12/16/18/25/30/36K(X) | SUPERSEDES<br>04-27-18 | 21292   |

# Single & 2-Pole Slip-ring Replacement Parts (2 of 2)



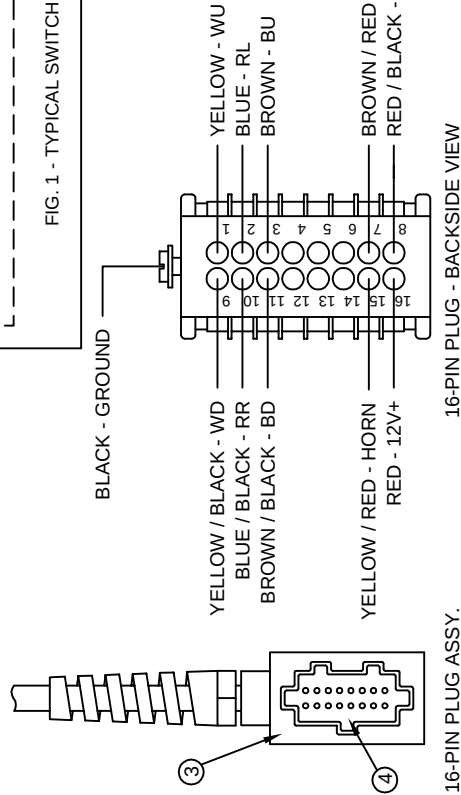
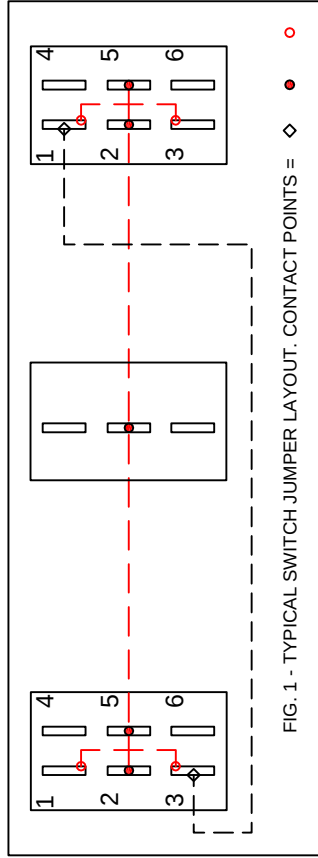
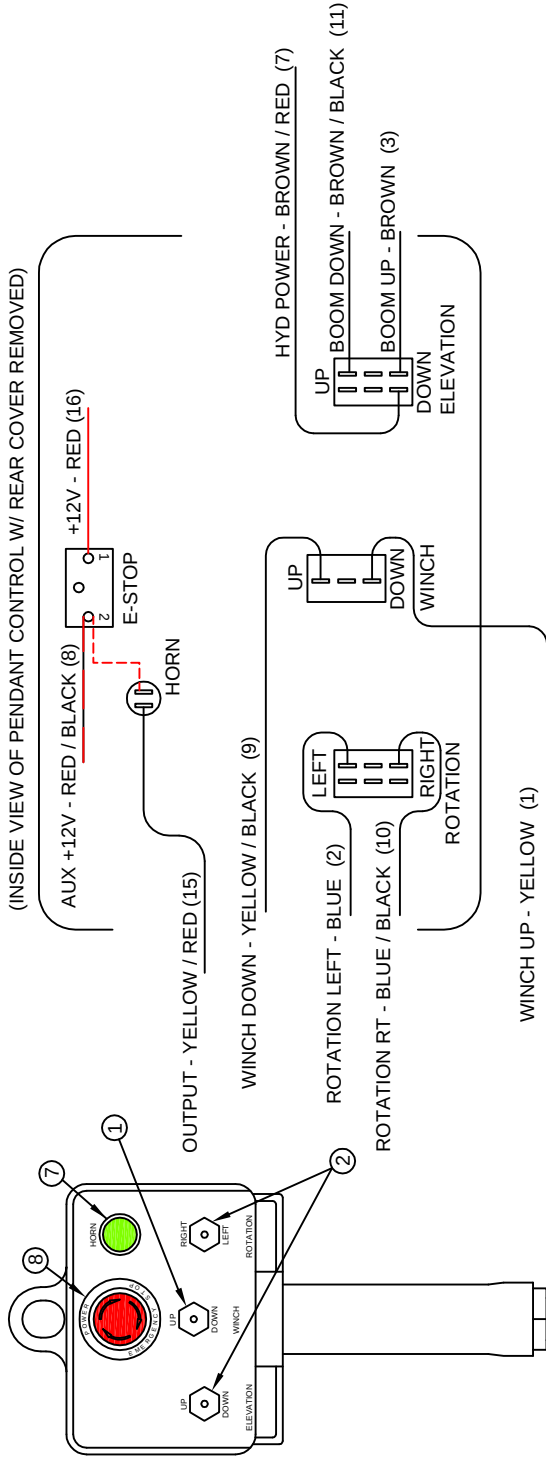
VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
REPL. PARTS ILLUSTRATION  
ET6/8/12/16/18/25/30/36K(X)

DATE  
04-27-18  
SUPERSEDES  
-

SECTION  
C400  
21293

# 21991 PENDANT; 3 FUNCTION ET CRANES, E-STOP / HORN



NOTE 1:  
WIRE TERMINALS TO BE INSTALLED 'AFTER'  
ROUTING REPLACEMENT CORD ASSY  
THROUGH PENDANT HEAD AND PLUG  
HOUSING.

NOTE 2:  
STOW OR CUT BACK UNUSED WIRES.

| MODEL | STARTING S/N |
|-------|--------------|
| ET6K  | 160000       |
| ET8K  | 45000        |
| ET12K | 61800        |

| ITEM | QTY | PART NO. | DESCRIPTION                |
|------|-----|----------|----------------------------|
| 8    | 1   | 22156    | SWITCH; E-STOP             |
| 7    | 1   | 22155    | SWITCH; PUSHBUTTON, HORN   |
| 6    | 1   | 22135    | KIT; REPLACEMENT CORD ASSY |
| 5    | -   | -        | -                          |
| 4    | 1   | 22472    | INSERT; MALE, 16 + 1 POLE  |
| 3    | 1   | 22471    | PLUG CASE; 16 + 1 POLE     |
| 2    | 2   | 22152    | SWITCH; DPDT, MOMENTARY    |
| 1    | 1   | 22081    | SWITCH; SPDT, MOMENTARY    |



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

## REPLACEMENT PARTS DWG & LIST

21991 PNDNT; 3 FNCTN ET CRNS, ESTP/HRN

DATE  
10-03-14

SUPERSEDES  
-

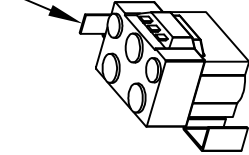
SECTION  
C400

23076

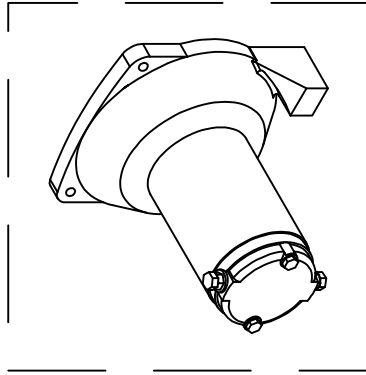
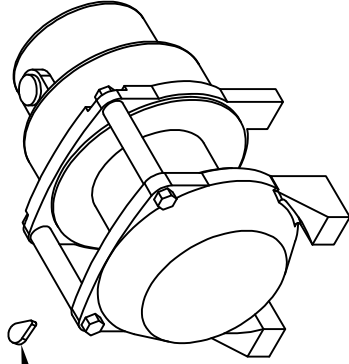
# WINCH REPLACEMENT PARTS

WARN DC1200  
WINCH P/N 20586

CONTACTOR  
WARN P/N 20499  
COMEUP P/N 28402



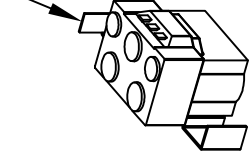
21214  
CABLE WEDGE



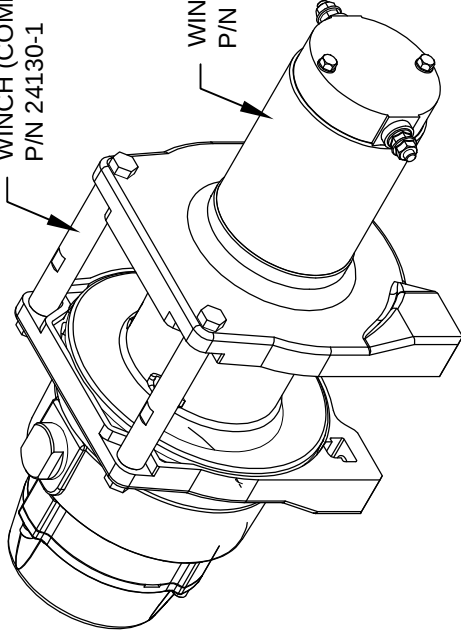
20788 MOTOR  
REPLACEMENT KIT  
INCLUDES END PIECE

COMEUP GTD-1200  
WINCH P/N 24130-1

CONTACTOR  
WARN P/N 20499  
COMEUP P/N 28402



WINCH (COMPLETE)  
P/N 24130-1



WINCH MOTOR  
P/N 24133



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
REPLACEMENT PARTS DRAWING

CT310KX & ET6K

DATE  
02-17-22-E

SUPERSEDES

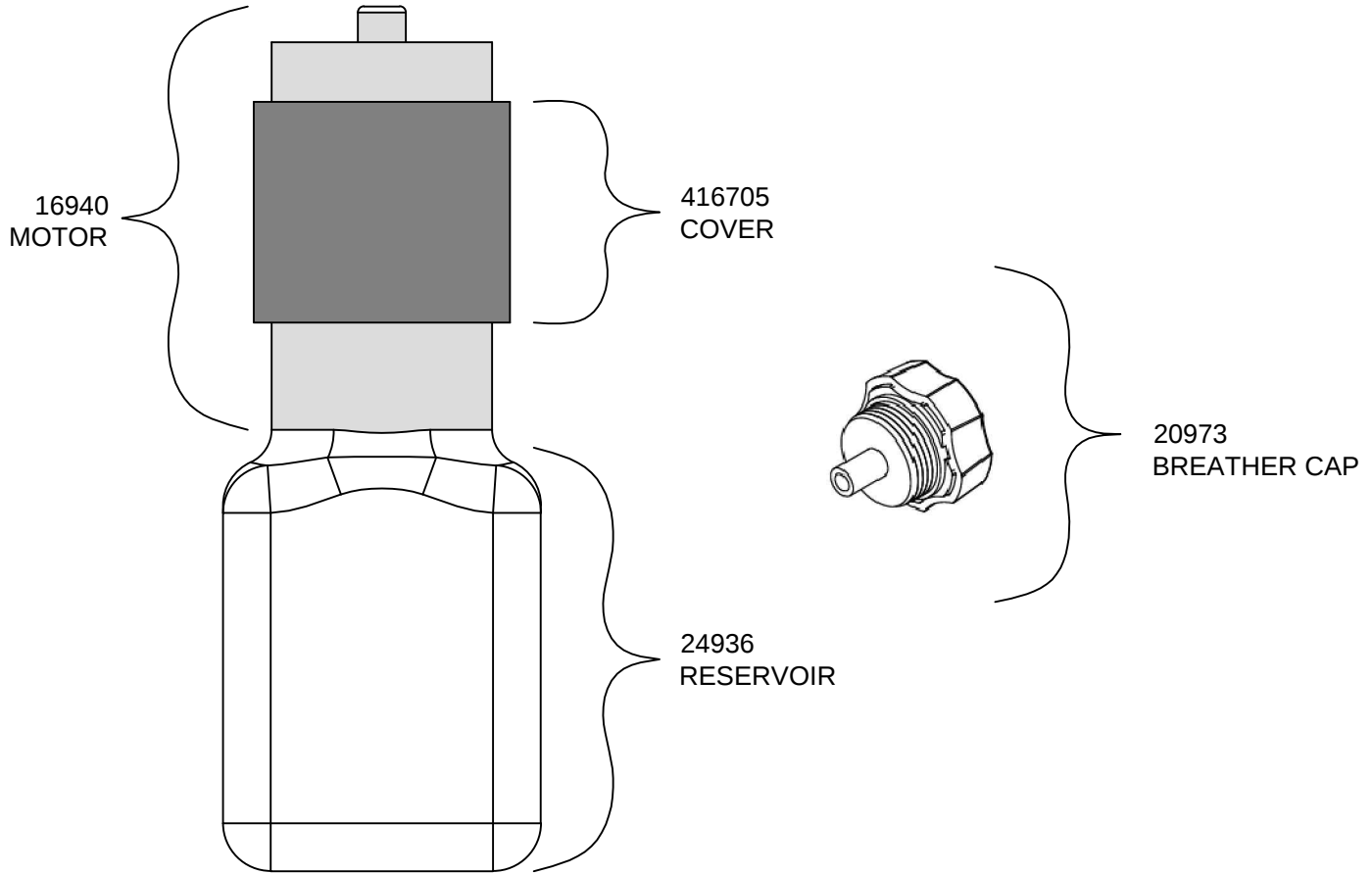
01-26-15D

SECTION

-

20837

# 20456 REPLACEMENT PARTS DWG/LIST



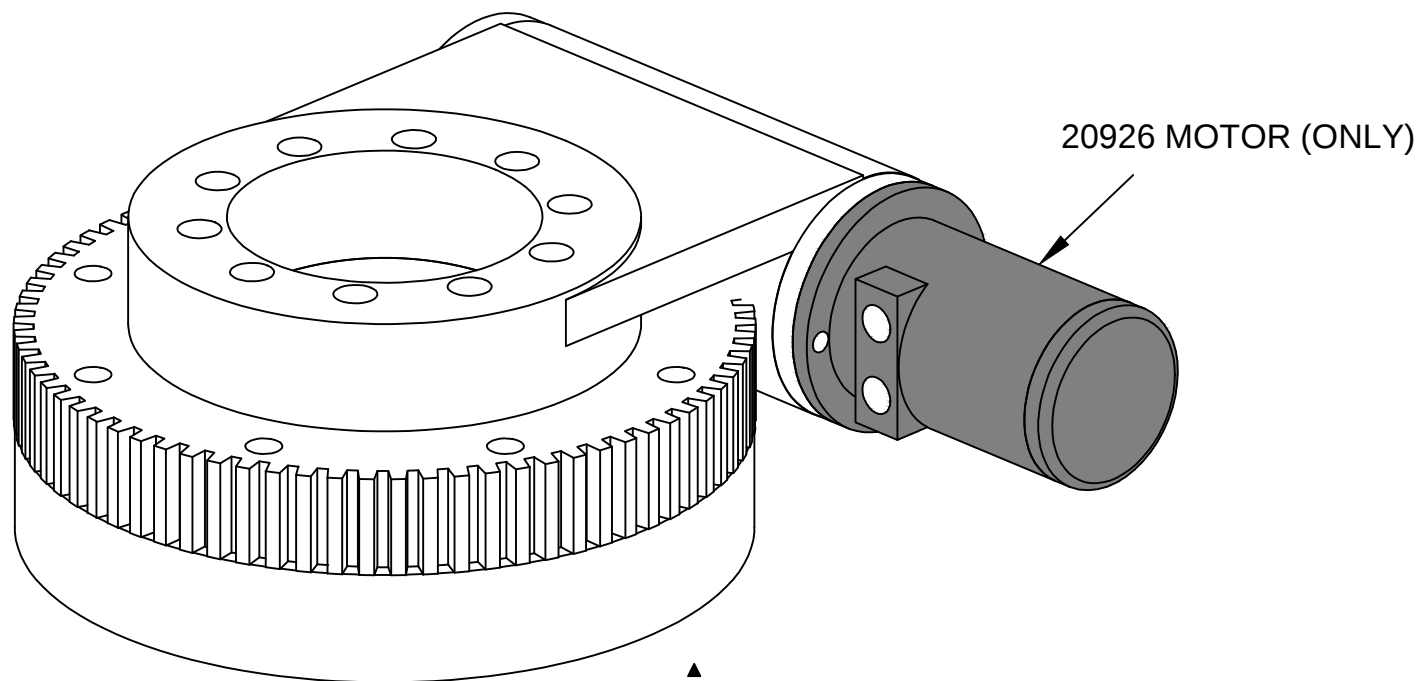
VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
RPLCMNT PARTS DWG  
ET6K

DATE  
05-26-23A  
SUPERSEDES  
01-26-15

SECTION  
C400  
26009

# 27243 SLEWING SYSTEM REPLACEMENT PARTS



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE

SLEWING SYSTEM REPLACEMENT PARTS

CT310KX & ET6K

DATE

05-26-23B

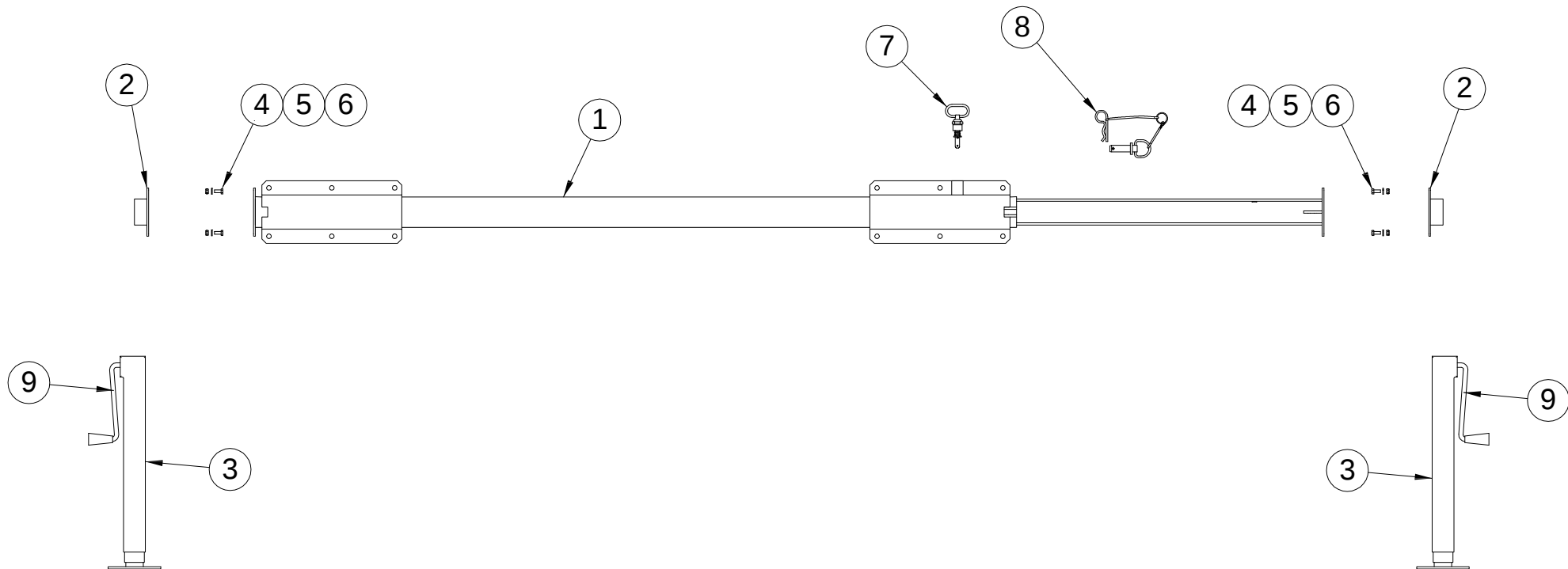
SUPERSEDES

01-26-15A

SECTION

C400

27041



| 9    | 2   | 18586-HANDLE  | HANDLE, CRAND-DOWN LEG                   |
|------|-----|---------------|------------------------------------------|
| 8    | 1   | 24981         | STABILIZER SECURITY PIN                  |
| 7    | 1   | 18520         | SPRING LOADED ASSEMBLY                   |
| 6    | 8   | !LWSH-031     | LOCKWASHER - 5/16                        |
| 5    | 8   | !HNUT-03118   | HEX NUT - 5/16-18                        |
| 4    | 8   | !HHCS03118075 | HEX HEAD CAP SCREW - 5/16-18 X 3/4" LONG |
| 3    | 2   | 18586         | CRANKDOWN LEG                            |
| 2    | 2   | 18587         | CRANKDOWN LEG ADAPTER                    |
| 1    | 1   | 18501         | TUBE - STABILIZER ASSEMBLY               |
| ITEM | QTY | PART NO       | DESCRIPTION                              |



MANUFACTURING, INC.  
CINCINNATI, OHIO

TITLE

REPLACEMENT PARTS DRAWING & LIST

18500-CD MANUAL STABILIZERS

DATE

12-27-13D

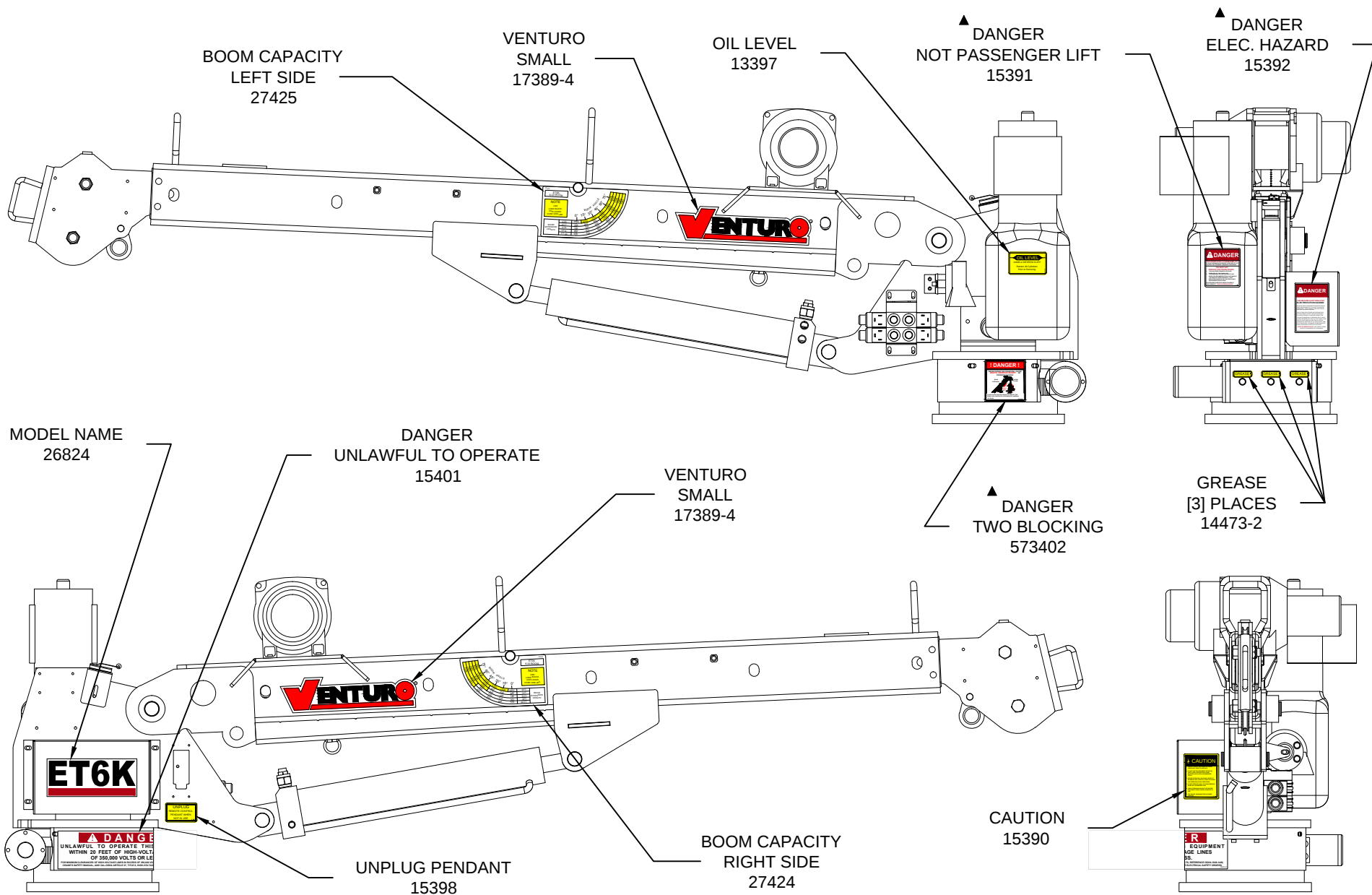
SUPERSEDES

07-28-10C

SECTION

C400

22689



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
DECAL PLACEMENT

ET6K

DATE  
05-31-16C

SUPERSEDES  
04-03-15B

SECTION  
C400

26822

# ET6K FIELD SERVICE LABEL KIT, 26833

| PART NO.   | QTY. | DESCRIPTION                     |
|------------|------|---------------------------------|
| 14473-2    | 3    | DECAL, GREASE                   |
| 17389-4    | 2    | DECAL, VENTURO - SMALL          |
| 27424      | 1    | DECAL, BOOM CAPACITY ET6K RIGHT |
| 27425      | 1    | DECAL, BOOM CAPACITY ET6K LEFT  |
| 26824      | 2    | DECAL, MODEL NAME DECAL - ET6K  |
| 13397      | 1    | DECAL, OIL LEVEL                |
| 16184-1    | 1    | DECAL; HORN RELAY               |
| 26833      | 1    | FIELD SERVICE LABEL KIT LIST    |
| 26822      | 1    | IDWG; DECAL PLACEMENT           |
| INST-23233 | 1    | SAFETY MANUAL, VENTURO CRANES   |
| 15397      | 1    | KIT; ACCIDENT PREVENTION SIGNS  |

SERIAL NUMBER RANGE: 160000 - CURRENT



VENCO VENTURO INDUSTRIES LLC  
CINCINNATI, OHIO

TITLE  
FIELD SERVICE LABEL KIT  
  
ET6K

DATE  
03-13-23E  
  
SUPERSEDES  
08-04-20D

SECTION  
C400  
  
26833





# VENTURO CRANES LIMITED WARRANTY POLICY

Venturo products are built to last...we guarantee them.

As a purchaser of any new Venturo product covered by warranty, you will receive 1 year of the most complete coverage available...and, at no added cost to you.

## 1-Year Limited Warranty Policy

This limited policy warrants new products of Venturo to be free from defects in material and workmanship for a period of one (1) year from date of original installation. OEM products or accessories purchased by Venturo as part of or offered with our product will carry the OEM manufacturer's respective warranty. Our warranty covers:

- ***Repair or replacement of product***
- ***Labor to repair or replace product***
- ***Freight to return and/or replace product***

We shall not be liable for any contingent liabilities arising out of the improper function of any products. Warranty shall become void if the product is improperly installed, modified, damaged, abused or used for application other than intended use. There is no warranty of merchantability, fitness for a particular purpose, warranty arising from course of dealing or usage of trade, or any other implied or expressed warranty, except as made specifically herein. This warranty supersedes all previous warranties, written or implied.

## Warranty Claims

Venco Venturo Industries LLC will make a good faith effort for prompt correction or other adjustment with respect to any product, which proves to be defective after our inspection and within the warranty period. Before any repairs are attempted or before returning any product, your Venturo Distributor is required to obtain a warranty claim number. This number is necessary for any claim to be considered. To obtain a warranty claim number, Venturo requires the model and serial number. Only authorized Venturo Distributors can perform warranty. For the name and address of your local Venturo Distributor call the **Warranty Claim Department - 513-772-8448**.

**WARNING** - It is the responsibility of the installer to ensure the installation is completed according to the manufacturer's recommendations, ensure the ultimate user understands how to operate product in a safe manner, and understands the need for regular service and maintenance by an authorized Venturo Distributor. No modifications or alterations may be made to any Venturo product without the expressed written consent of Venco Venturo Industries LLC. Installation of any Venturo product must be done by an authorized Venturo Distributor, to the standards of the industry; including maintenance, service and affixing of all instruction, safety and warning decals. Users should be instructed as to the safe operation at time of delivery. Maintenance, service, operation and safety warning decals are available on request from Venco Venturo Industries LLC.

**VENCO VENTURO INDUSTRIES LLC**  
12110 BEST PLACE | CINCINNATI, OHIO 45241  
P: 800-226-2238 | F: 513-326-5427  
[www.venturo.com](http://www.venturo.com)