



**CT2000, 2003, 2004, 2005
CT2003FB & CT2004FB**

INSTALLATION & OWNER'S MANUAL

TABLE OF CONTENTS

CT/CTFB OWNER'S MANUAL

<u>SECTION 100</u>	<u>DESCRIPTION & SPECIFICATIONS</u>
18580	INSTALLATION DIMENSIONS; CT2003FB
18581	INSTALLATION DIMENSIONS; CT2004FB
18584	INSTALLATION DIMENSIONS; CT2005
19481	INSTALLATION DIMENSIONS; CT2003/4/5FB-S, MAX CUTDOWN
18585	INSTALLATION DIMENSIONS; 13171 & 13172 SOCKETS
<u>SECTION 150</u>	<u>SAFETY</u>
870701	SAFETY & HAZARDS; GENERAL
21353	DECALS; SAFETY (1/2)
21384	DECALS; SAFETY (2/2)
21366	DECALS; MISCELLANEOUS, CT200XFB
21367	DECALS; MODEL & CAPACITY, CT2003FB
21368	DECALS; MODEL & CAPACITY, CT2004FB
21369	DECALS; MODEL & CAPACITY, CT2005
<u>SECTION 200</u>	<u>INSTALLATION</u>
870702	OPERATION & MAINTENANCE INSTRUCTIONS
711105	CABLE & BATTERY REQUIREMENTS; ELECTRIC CRANES
15660	INSTALLATION DWG; BATTERY CABLE
711006	WIRE ROPE SPECIFICATIONS & INSTALLATION
<u>SECTION 400</u>	<u>REPLACEMENT PARTS</u>
19711	REPLACEMENT PARTS DWG; CT2003FB, CT2004FB, & CT2005
20985	REPLACEMENT PARTS LIST; CT2003FB, CT2004FB, & CT2005
19591	DIAGRAM; WINCH POWER UNIT
19590	REPLACEMENT PARTS LIST; CONTACTOR ASSY
19713	DIAGRAM; POWER BOOM
19795	REPLACEMENT PARTS DWG & LIST; 19797 SINGLE FUNCTION PISTOL-GRIP PENDANT
20448	REPLACEMENT PARTS DWG & LIST; 19448 AC PENDANT
16100	REPLACEMENT PARTS DWG; 16100 SERIES POWER UNIT
811016	REPLACEMENT PARTS LIST; 16100 SERIES POWER UNIT
16176	DECAL PLACEMENT
15545-3	KIT; FIELD SERVICE LABELS, CT2003FB
15545-4	KIT; FIELD SERVICE LABELS, CT2004FB
15545-5	KIT; FIELD SERVICE LABELS, CT2005



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE
TABLE OF CONTENTS

CT/CTFB

DATE
02-04-19E

SUPERSEDES
04-16-14D

SECTION
-

20984

SECTION 100

DESCRIPTION

&

SPECIFICATIONS

WARNING: THESE PRODUCTS ARE NOT PASSENGER LIFTS. THEY ARE NOT DESIGNED OR INTENDED TO BE USED TO LIFT, SUPPORT OR OTHERWISE TRANSPORT PERSONNEL.

SWIVEL SNATCH BLOCK
REQUIRED FOR LOADS
OVER 1200 LBS.

3/16" DIA WIRE ROPE
35 FT

PLUG IN
PENDANT CONTROL
WITH 15 FT
STRAIGHT CORD

SWIVEL LOCK
306° ROTATION
POSITIVE LOCK
IN 8 POSITIONS

'C' SOCKET

'A' SOCKET

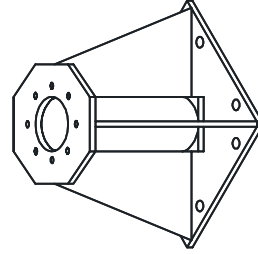
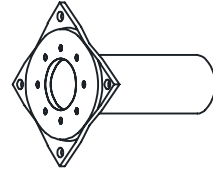
'C' SOCKET

TRUCK BED

BOOM WILL FOLD WITH
BOTH 'A' & 'C' SOCKETS

PERFORMANCE CHARACTERISTICS			
BOOM POSITION	LOAD CAPACITY	PART LINE	LIFTING SPEED AT CAPACITY LOAD
5 FT	1000 LBS	1	15 FT/MIN
4 FT	1500 LBS	2	9 FT/MIN
3 FT	2000 LBS	2	8 FT/MIN

SNATCH BLOCK REQUIRED
FOR LOADS OVER 1200 LBS.
NET WEIGHT WITHOUT
SOCKET 195 LBS.



MANUFACTURING, INC.
CINCINNATI, OHIO

TITLE
INSTALLATION DRAWING

DATE
11-21-00A

SECTION
C100

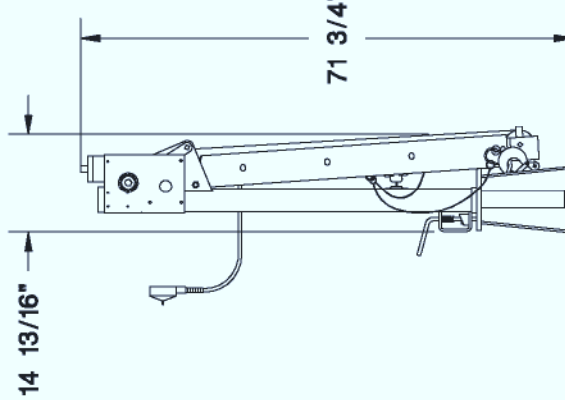
CT2003 FB CRANE

SUPERSEDES
12-12-97

18580

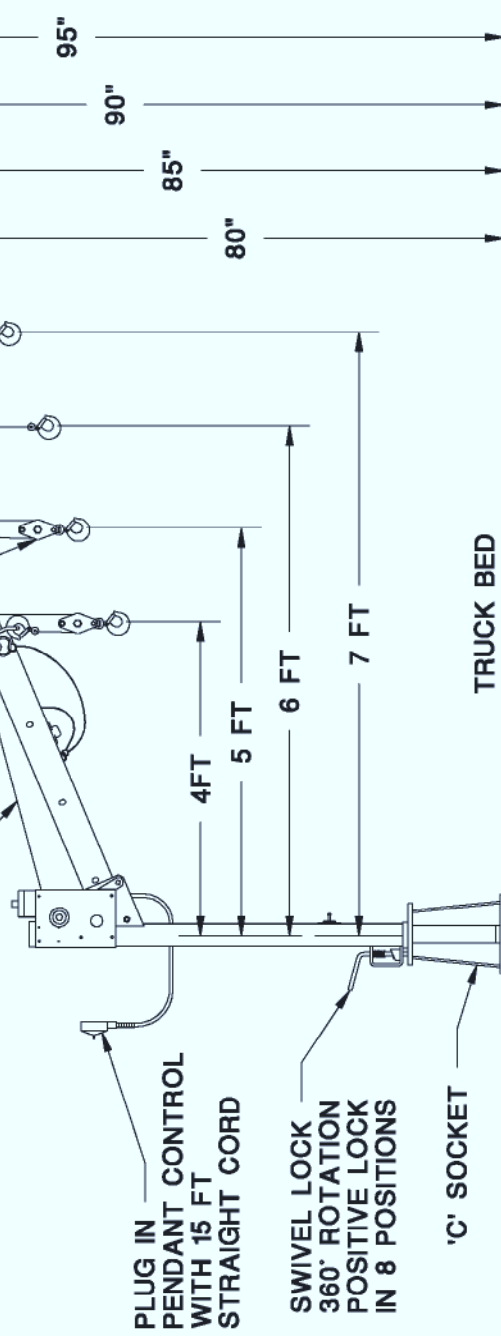
WARNING: THESE PRODUCTS ARE NOT PASSENGER LIFTS. THEY ARE NOT DESIGNED OR INTENDED TO BE USED TO LIFT, SUPPORT OR OTHERWISE TRANSPORT PERSONNEL.

BOOM IN FOLDED POSITION ('C' SOCKET ONLY)

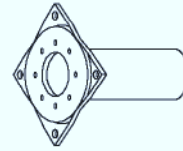


SWIVEL SNATCH BLOCK REQUIRED FOR LOADS OVER 1200 LBS.

3/16" DIA WIRE ROPE 35 FT

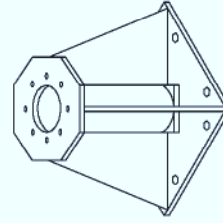


'A' SOCKET



BOOM WILL NOT FOLD WITH 'A' SOCKET

'C' SOCKET



BOOM WILL FOLD WITH 'C' SOCKET

PERFORMANCE CHARACTERISTICS			
BOOM POSITION	LOAD CAPACITY	PART LINE	LIFTING SPEED AT CAPACITY LOAD
7 FT	700 LBS	1	18 FT/MIN
6 FT	900 LBS	1	16 FT/MIN
5 FT	1200 LBS	1	13 FT/MIN
5 FT	1200 LBS	2	10 FT/MIN
4 FT	1500 LBS	2	9 FT/MIN

SNATCH BLOCK REQUIRED FOR LOADS OVER 1200 LBS.

NET WEIGHT WITHOUT SOCKET 200 LBS.

TITLE

INSTALLATION DRAWING

SECTION

C100

DATE

11-21-00A

SUPERSEDES

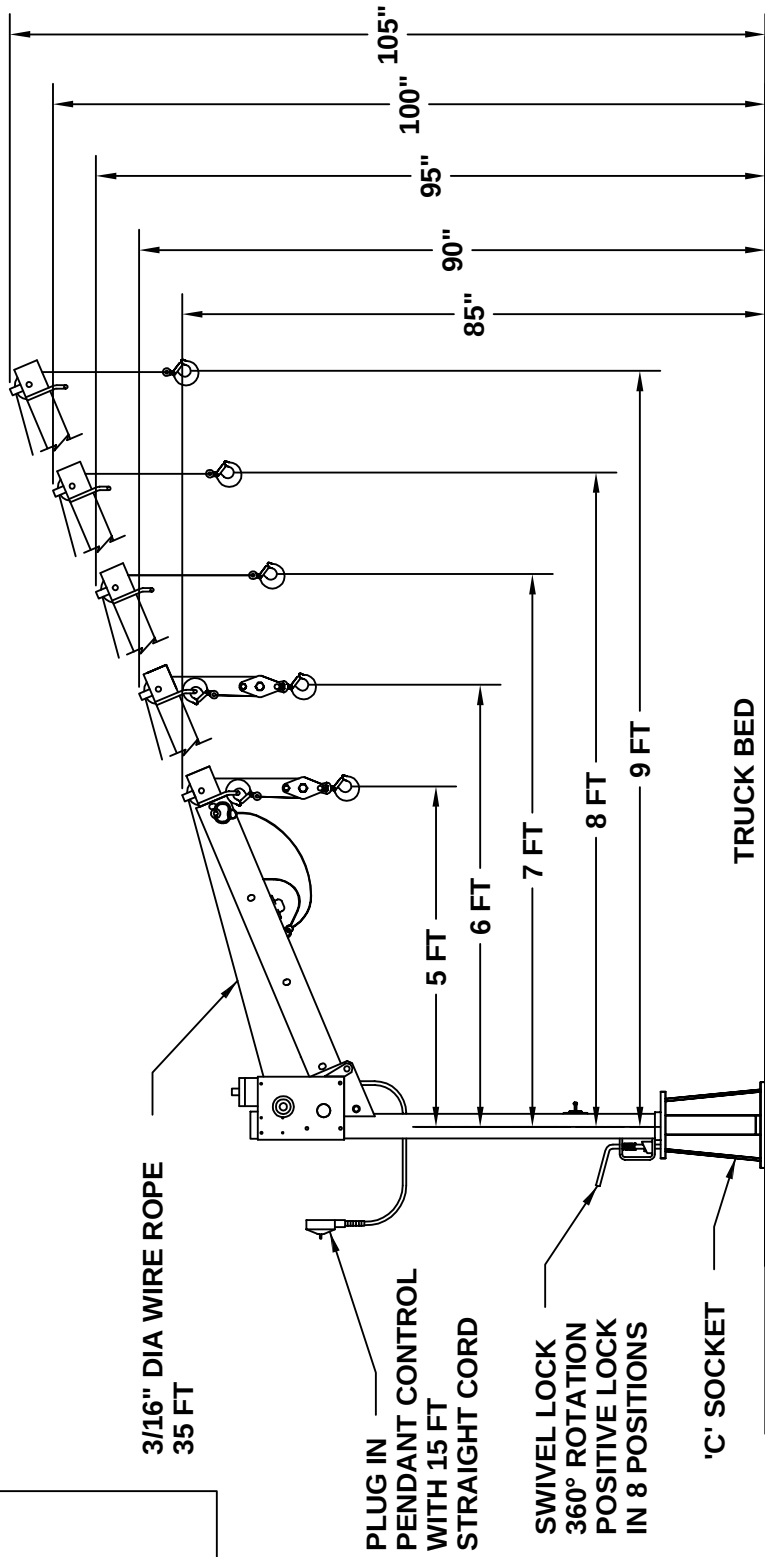
12-12-97

VENTURO
MANUFACTURING, INC.
CINCINNATI, OHIO

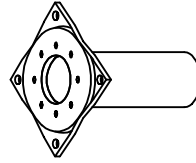
CT2004 FB CRANE

18581

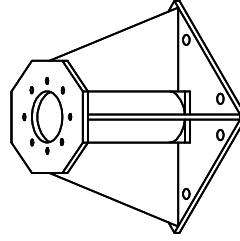
WARNING: THESE PRODUCTS
ARE NOT PASSENGER LIFTS.
THEY ARE NOT DESIGNED OR
INTENDED TO BE USED TO
LIFT, SUPPORT OR OTHERWISE
TRANSPORT PERSONNEL.



'A' SOCKET



'C' SOCKET



PERFORMANCE CHARACTERISTICS			
BOOM POSITION	LOAD CAPACITY	PART LINE	LIFTING SPEED AT CAPACITY LOAD
9 FT	500 LBS	1	20 FT/MIN
8 FT	600 LBS	1	19 FT/MIN
7 FT	700 LBS	1	18 FT/MIN
6 FT	900 LBS	1	16 FT/MIN
5 FT	1200 LBS	1	13 FT/MIN
5 FT	1200 LBS	2	10 FT/MIN

MAXIMUM CAPACITY: 1200 LBS.

BOOM WILL NOT FOLD
WITH 'A' OR 'C' SOCKETS

NET WEIGHT WITHOUT SOCKET 205 LBS.



MANUFACTURING, INC.
CINCINNATI, OHIO

TITLE
INSTALLATION DRAWING

CT2005 CRANE

DATE
08-09-19A

SUPERSEDES
12-12-97

SECTION
C100

18584

SWIVEL SNATCH BLOCK
REQUIRED FOR LOADS
OVER 1200 LBS.

3/16" DIA WIRE ROPE
35 FT

SWIVEL LOCK 360° ROTATION
POSITIVE LOCK IN 8 POSITIONS

33 11/16"

30"

TRUCK BED

13 7/16"

PLUG IN
PENDANT CONTROL
WITH 15 FT
STRAIGHT CORD

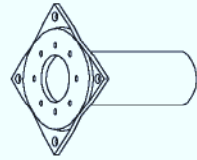
'C' SOCKET

WARNING: THESE PRODUCTS
ARE NOT PASSENGER LIFTS.
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INTENDED TO BE USED TO
LIFT, SUPPORT OR OTHERWISE
TRANSPORT PERSONNEL.

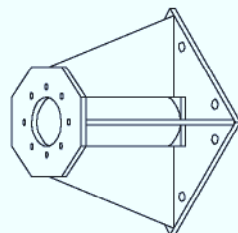
PERFORMANCE CHARACTERISTICS			
BOOM POSITION	LOAD CAPACITY	PART LINE	LIFTING SPEED AT CAPACITY LOAD
9 FT	500 LBS	1	20 FT/MIN
7 FT	700 LBS	1	18 FT/MIN
5 FT	1000 LBS	1	15 FT/MIN
5 FT	1200 LBS	2	10 FT/MIN
3 FT	2000 LBS	2	8 FT/MIN

SNATCH BLOCK REQUIRED
FOR LOADS OVER 1200 LBS.

'A' SOCKET



'C' SOCKET



BOOM WILL NOT FOLD
WITH 'A' OR 'C' SOCKETS

- HEIGHT DIMENSIONS ARE FOR
MAXIMUM CUT-DOWN MODEL
AND ARE APPROX. 39" LESS THAN
STANDARD CTFB CRANES.
- HEIGHT DIMENSIONS ARE FOR
C-SOCKET MODELS
- DEDUCT 12 1/2" FROM HEIGHT
DIMENSIONS FOR A-SOCKET
MODELS

NET WEIGHT W/OUT SOCKET (MAX CUT-DOWN)	
CT2003	155 LBS
CT2004	160 LBS
CT2005	165 LBS

TITLE

INSTALLATION DRAWING

DATE

4-16-98

SECTION

C100

SUPERSEDES

-

CT2003/4/5FB-S - MAX CUTDOWN

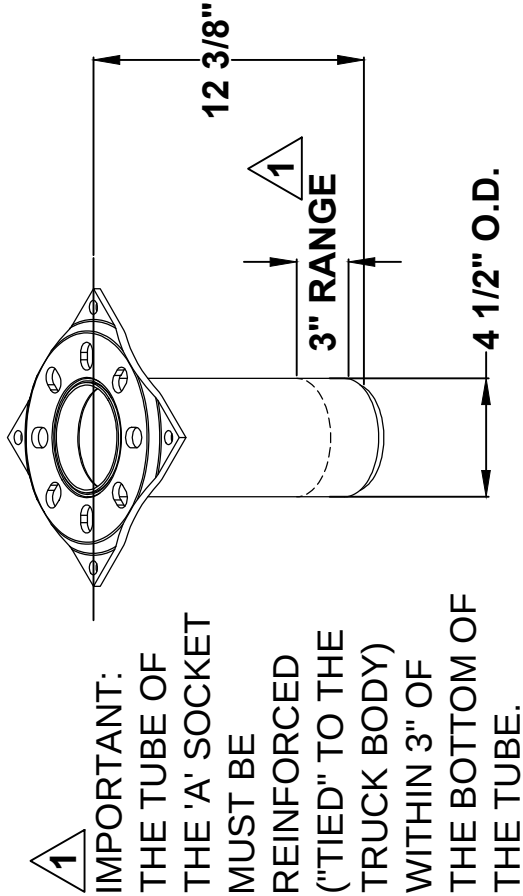
VENTURO MANUFACTURING, INC.
CINCINNATI, OHIO

19481

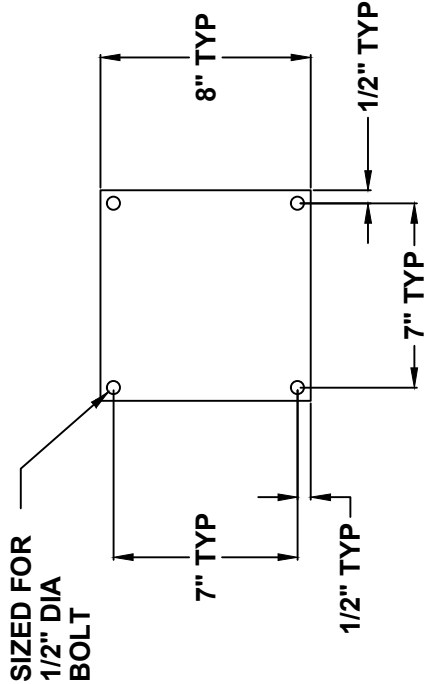
TYPE 'A' SOCKET (13171)

RECESS MOUNTING

WEIGHT 18 LBS.



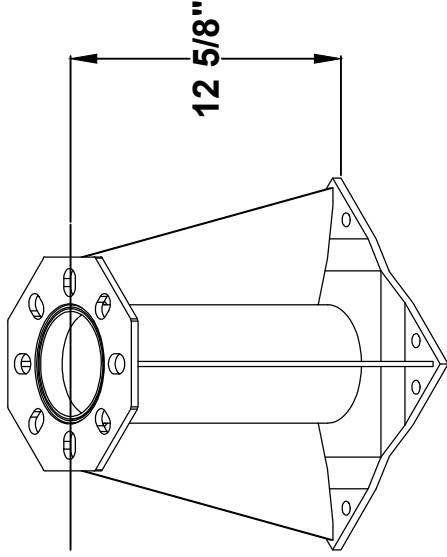
MOUNTING DIMENSIONS



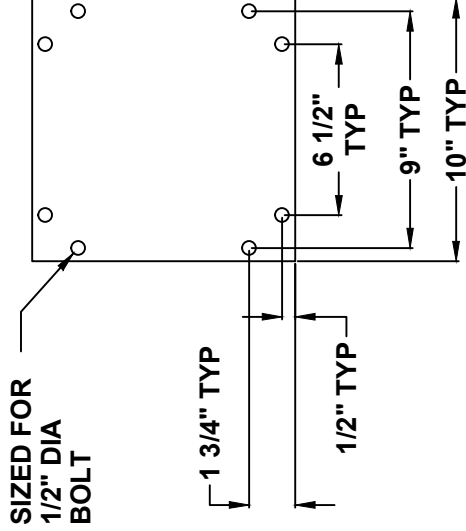
TYPE 'C' SOCKET (13172)

SURFACE MOUNTING

WEIGHT 36 LBS.



MOUNTING DIMENSIONS



SECTION 150

SAFETY

CRANE SAFETY AND HAZARDS

CA, CE, CT, AND DT CRANES

CAUTIONS

1. INSPECT VEHICLE AND CRANE, INCLUDING OPERATION, PRIOR TO USE DAILY.
2. DO NOT USE THIS EQUIPMENT EXCEPT ON SOLID, LEVEL SURFACE 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. FOR TRAVEL, BOOM MUST BE TIED DOWN IN THE 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.



MFG., INC.
CINCINNATI, OHIO

TITLE
INSTALLATION DWG

CA, CE, CT, AND DT

DATE
3-2-99C

SUPERCEDES
10-17-97B

SECTION
C150

870701

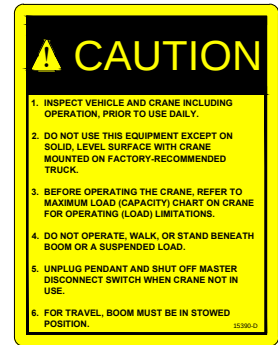
DECAL #: 15390

DESCRIPTION: CAUTION, INSPECT VEHICLE & CRANE...

PURPOSE: TO INFORM THE OPERATOR OF KEY OPERATING REQUIREMENTS.

QUANTITY: 1

PLACEMENT: REAR COVER OR SIDE OF CRANE



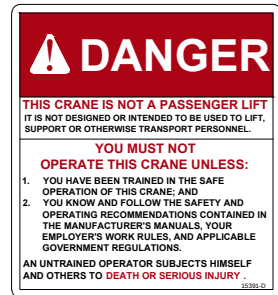
DECAL #: 15391

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



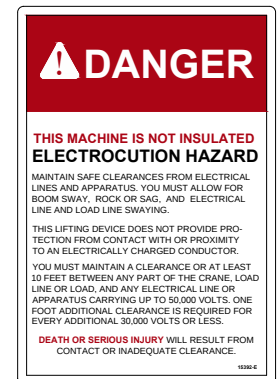
DECAL #: 15392

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



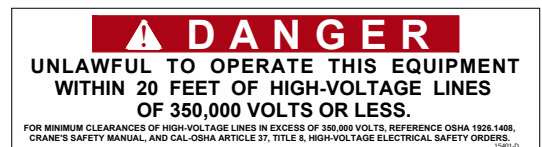
DECAL #: 15401

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



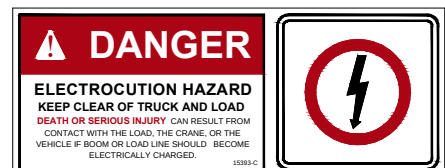
DECAL #: 15393

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.: 15513

DECAL: MASTER DISCONNECT SWITCH

FUNCTION: To inform the operator of location and operation of master disconnect switch.

QUANTITY: 1

PLACEMENT: On master disconnect switch bracket.



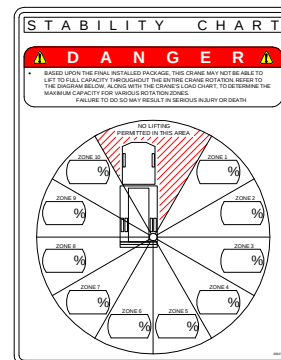
PART NO.: 20927

DECAL: CRANE STABILITY

FUNCTION: To inform the operator of the crane's lifting capacity throughout the entire rotation.

QUANTITY: 1

PLACEMENT: In prominent location, so it is easily seen and readily identifiable.



▲



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE
SAFETY DECALS
CRANES

DATE
06-06-14C
SUPERSEDES
04-02-13B

SECTION
C150
21384

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.



PART NO.: 13191-12

DECAL: USE SNATCH BLOCK

FUNCTION: To inform the operator when to use a snatch block.

QUANTITY: 2

PLACEMENT: One on each side of boom.



DECAL #: 19734
DESCRIPTION: MODEL NUMBER
PURPOSE: To show the model of the crane.
QUANTITY: 2
PLACEMENT: One of each side of boom.



DECAL #: 15672-1000
DESCRIPTION: CAPACITY 1000LBS
PURPOSE: To show the operator the capacity at 5 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-1600
DESCRIPTION: CAPACITY 1600LBS
PURPOSE: To show the operator the capacity at 4 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-2000
DESCRIPTION: CAPACITY 2000LBS
PURPOSE: To show the operator the capacity at 3 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE
MODEL & CAPACITY DECALS

CT2003FB

DATE
03-04-19A

SUPERSEDES
09-13-05

SECTION
C150

21367

DECAL #: 19735
DESCRIPTION: MODEL NUMBER
PURPOSE: To show the model of the crane.
QUANTITY: 2
PLACEMENT: One on each side of boom.

CT2004FB

DECAL #: 15672-700
DESCRIPTION: CAPACITY 700LBS
PURPOSE: To show the operator the capacity at 7 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.

**CAPACITY
700 LBS**

DECAL #: 15672-900
DESCRIPTION: CAPACITY 900LBS
PURPOSE: To show the operator the capacity at 6 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.

**CAPACITY
900 LBS**

DECAL #: 15672-1200
DESCRIPTION: CAPACITY 1200LBS
PURPOSE: To show the operator the capacity at 5 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.

**CAPACITY
1200 LBS**

DECAL #: 15672-1500
DESCRIPTION: CAPACITY 1500LBS
PURPOSE: To show the operator the capacity at 4 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.

**CAPACITY
1500 LBS**



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE
MODEL & CAPACITY DECALS

CT2004FB

DATE
03-04-19A

SUPERSEDES
09-13-05

SECTION
C150

21368

DECAL #: 19736
DESCRIPTION: MODEL NUMBER
PURPOSE: To show the model of the crane.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-500
DESCRIPTION: CAPACITY 500LBS
PURPOSE: To show the operator the capacity at 9 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-600
DESCRIPTION: CAPACITY 600LBS
PURPOSE: To show the operator the capacity at 8 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-700
DESCRIPTION: CAPACITY 700LBS
PURPOSE: To show the operator the capacity at 7 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-900
DESCRIPTION: CAPACITY 900LBS
PURPOSE: To show the operator the capacity at 6 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



DECAL #: 15672-1200
DESCRIPTION: CAPACITY 1200LBS
PURPOSE: To show the operator the capacity at 5 foot boom length.
QUANTITY: 2
PLACEMENT: One on each side of boom.



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE
MODEL & CAPACITY DECALS

CT2005

DATE
03-04-19A

SUPERSEDES
09-13-05

SECTION
C150

21369

SECTION 200

INSTALLATION



OPERATING INSTRUCTIONS

CA, CE, CT, & DT CRANES

ELECTRIC WINCH

The winch is operated by a control switch in a plug-in remote pendant. Unplug the pendant and store it in the vehicle when the crane is not in use.

TELESCOPING BOOM

On CE6K, CT & DT Cranes the boom can be manually extended. The hole in the extension section of the boom should be aligned with the slot in the stationary section at the position desired and the toggle pin inserted. The crane lifting capacity is shown at each toggle pin position on the CT & DT cranes. The CE6K has a decal on the mast which shows the capacities of the crane at its various angles and extensions.

SWIVEL SNATCH BLOCK

On CA2000, CT200X, and DT Cranes, the swivel snatch block must be used for loads over 1200 lbs. On the CE6K, the swivel snatch block must be used on loads over 1000 lbs. It may also be used for lower loads to reduce lifting speed for better control and to prevent loads from spinning. CA1000 & CT100X Cranes have a permanently rigged swivel block.

SWIVEL LOCK

On the CT & DT Cranes the hand lever operated swivel lock controls the 360° rotation of the crane and provides positive locking in 8 positions.

BAND BRAKE

The CE6K is equipped with a band brake that provides unlimited rotational positioning.

BOOM TIE DOWN

The load line should be used to tie down the boom to the socket or truck bed while the crane is not in use.

OPTIONAL MASTER DISCONNECT SWITCH

This switch should be turned "OFF" when the crane is not in use to disconnect the crane from the battery.

MAINTENANCE

The crane should be lubricated when the vehicle is serviced.

WINCH GEAR BOX (CT & DT cranes only) ▲

Check the oil level by removing the plug in the side of the gear box. If the oil level is below the plug opening, fill with SAE 85W-140 Hypoid gear oil.

WINCH DRIVE CHAIN (CT & DT cranes only) ▲

Oil lightly. **DO NOT GREASE.** Excess oil or grease will collect dirt and cause excessive chain wear. Inspect the chain and sprockets for excessive wear and proper alignment. Replace if excessively worn.

CRANE SOCKET SWIVEL BEARINGS

The crane should be removed from the socket once a year or more often if excessive dirt is present. Dirt should be cleaned out from around the lower bearing. Use a rag or brush to apply a light weight oil several times to the lower and upper bearings which are both oilite bronze except for the CE, CT200X & DT Cranes upper bearing which does not require lubrication.



MFG., INC.
CINCINNATI, OHIO

TITLE
INSTALLATION DWG

CA, CE, CT, & DT

DATE
8-01-01C

SUPERCEDES
3-3-99B

SECTION
C200

870702

!! 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 CE6K CT2000 CT2003/4/5 DT7K	#4	#4	#2	#2	#1	#0	#0	#00	350	100
ET5500MPB ET5500R ET6KMPB ET6KR ET6K ET8K ET10K ET12K	#2	#2	#1	#0	#00	NOT RECOMMENDED			450	100
ET8KX ET10KX ET12KX ▲ ET12KXP	#2	#2	#1	#0	#00	NOT RECOMMENDED			550	150
ET18K(X) ET25K(X) ET30KX 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

DATE

07-30-18X

SECTION

C200

ELECTRIC CRANES

SUPERSEDES

09-27-17W

711105

RECOMMENDED CIRCUIT BREAKER TABLE

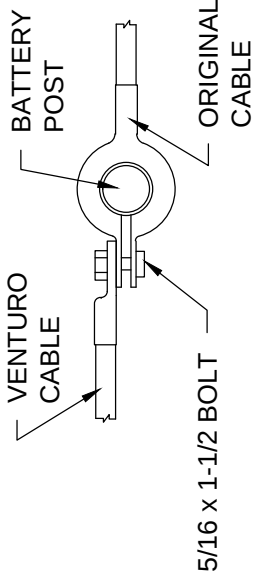
CRANE	DESCRIPTION	PART NO.
CT310KX	250 AMP, MAN RESET	22946-250
DT7	250 AMP, MAN RESET	22946-250
CE-1500-FB	150 AMP, MAN RESET	22946-150
CE6K	150 AMP, MAN RESET	22946-150
CT200X	250 AMP, MAN RESET	22946-250
ET6K	250 AMP, MAN RESET	22946-250
ET8/12K(X)	250 AMP, MAN RESET	22946-250
ET12KXP	300 AMP, MAN 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

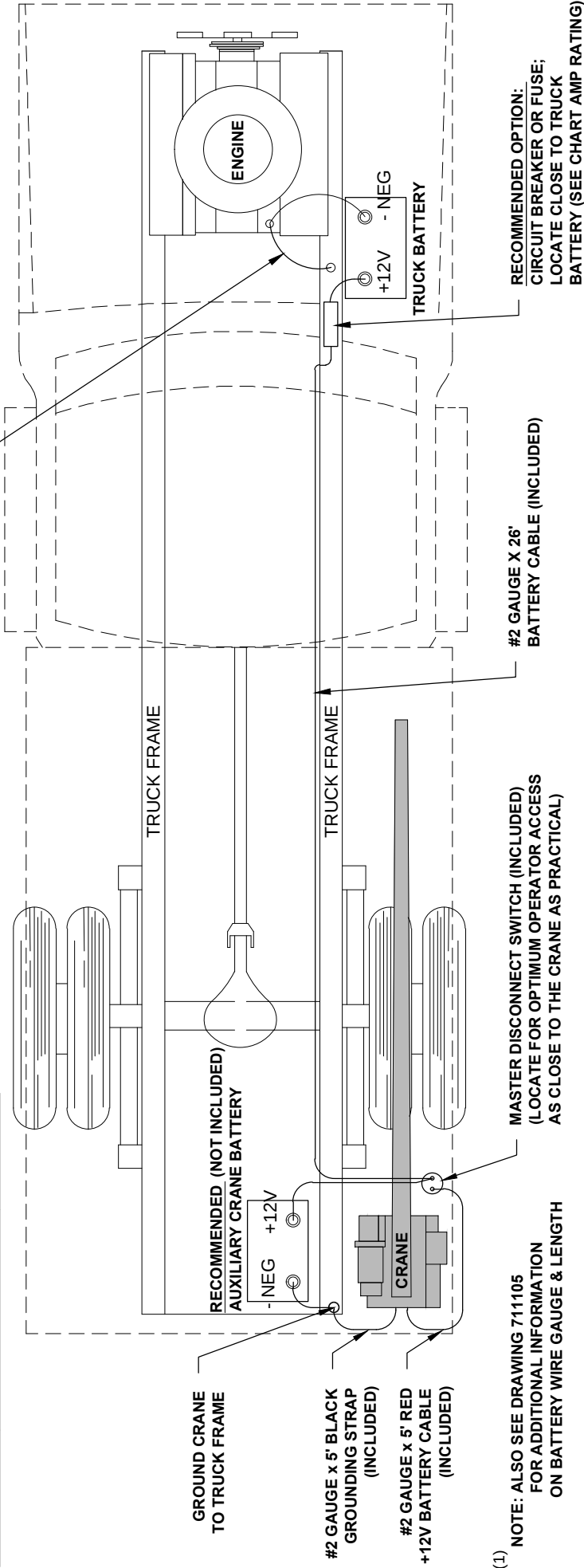
- 12 VOLT *VEHICLE* BATTERY REQUIREMENTS
 - 625 COLD CRANKING AMPS (AT 0° F)
 - 160 MINUTES RESERVE CAPACITY
 - 102 PLATES, 105 AMP-HR
- (1) 12 VOLT *AUXILIARY* BATTERY REQUIREMENTS
 - SEE MINIMUM WIRE GAUGE AND BATTERY SIZE

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 BATTERY CABLE & COMPONENT INSTALL

DATE 09-03-20M

SECTION C200

SUPERSEDES

07-30-18L

ET CRANES

15660



WIRE ROPE SPECIFICATIONS

SELECTION

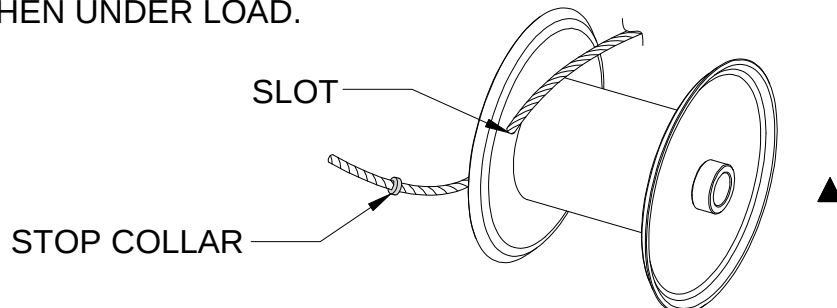
The chart below shows the maximum working load and breaking strength of 7 x 19 Galvanized AIRCRAFT Grade Wire Rope in various diameters. The breaking strength is 3 ½ times the maximum working load. Do not use wire rope with a maximum working load rating less than the single line capacity of the crane. Use wire rope diameter larger than the size furnished with the crane will reduce the fatigue life of the wire rope.



WIRE ROPE DIAMETER	MAXIMUM WORKING LOAD	BREAKING STRENGTH
1/8"	570 LBS.	2000 LBS.
5/32"	800 LBS.	2800 LBS.
3/16"	1200 LBS.	4200 LBS.
7/32"	1600 LBS.	5600 LBS.
1/4"	2000 LBS.	7000 LBS.
5/16"	2800 LBS.	9800 LBS.
3/8"	4114 LBS.	14400 LBS.

INSTALLATION

1. Unwind coil of rope by rolling it along the floor. This will prevent kinking
2. Most VENTURO cranes are provided with a slot in the winch side plate for attaching the end of the wire rope with a stop collar. A hole in the housing allows access for the end of the wire rope when inserted thru the slot.
The ET20K(X) & ET25K(X) cranes have a clamp built into the winch drum and do not use a stop collar.
3. THERE MUST ALWAYS BE AT LEAST THREE [3] TURNS OF WIRE ROPE ON THE DRUM WHEN UNDER LOAD.



MANUFACTURING, INC.
CINCINNATI, OHIO

TITLE
WIRE ROPE SPECS
WINCH & CRANE

DATE
12-05-13K
SUPERSEDES
11-10-08J

SECTION
WC 200
711006

SECTION 400

PARTS



This exploded view diagram illustrates the assembly of a mechanical device, likely a pump or a specialized motor. The components are numbered 1 through 47. The assembly includes a main housing (15) with a base (18) and a top section (11). A central shaft (14) is supported by bearings (12, 13, 16) and a coupling (17). A motor or actuator (5) is connected to the shaft via a coupling (31). A large gear (8) is mounted on the shaft, which meshes with a smaller gear (10). A piston or plunger (2) is connected to the gear mechanism. A control lever (37) is attached to the base. The diagram also shows various fasteners, including screws (1, 3, 4, 7, 9, 10, 13, 26, 27, 32, 33, 34, 35, 36, 38, 39, 41, 42, 43, 44, 45, 46, 47), washers (22, 23), and a mounting bracket (20). A label 'REF 19712' is present in the bottom left corner.



FREE REPLACEMENT PARTS DWG

SUPERSEDES
11-4-98

19711

REPLACEMENT PARTS					
ITEM #	PART #	DESCRIPTION	ITEM #	PART #	DESCRIPTION
1	20982	FLANGED BEARING - 3/4" I.D. x 1-3/4" O.D.	41	!LWSH-038	LOCK WASHER - 3/8" (4 PLCS)
2	00210	THRUST COLLAR - 3/4" BORE	42	19333	BOOM WELDED ASSY - 3FT
3	15999	SPROCKET - 3/4" BORE	43	19334	BOOM WELDED ASSY - 4FT
4	00867-1	WINCH DRIVE CHAIN (NO CONNECTION LINKS) 50 LINKS	44	19335	BOOM WELDED ASSY - 5FT
5	19678	SWIVEL LOAD BLOCK W/ SAFETY LATCH	45	23042-F-18-18	PIN & LANYARD ASSY. - 3/4" O.D. X 3-1/2" LG - 3FT BOOM ASSY
6	15810-3/16-35	WIRE ROPE ASSY - 3/16" X 35 FT	46	23042-F-24-24	PIN & LANYARD ASSY. - 3/4" O.D. X 3-1/2" LG - 4FT BOOM ASSY
7	13463-1	STOP SLEEVE	47	23042-F-34-34	PIN & LANYARD ASSY. - 3/4" O.D. X 3-1/2" LG - 5FT BOOM ASSY
8	001149	CABLE DRUM	48	-	
9	01153	MAIN SHAFT - CABLE DRUM	49	-	
10	01158	THRUST COLLAR - MAIN SHAFT - 1.00" BORE	50	-	
11	19590	CONTACTOR, SOCKET & COVER SUBASSY	51	15545-3	FIELD SERVICE LABEL KIT - CT2003FB
12	13401-2B	PIVOT PIN - CYL ROD	52	15545-4	FIELD SERVICE LABEL KIT - CT2004FB
13	01299	FLANGED BEARING - 1.00" I.D. x 2.00" O.D.	53	15545-5	FIELD SERVICE LABEL KIT - CT2005FB
14	11889	SPRING	54		
15	19331	WELDED MAST ASSY.	55		
16	14785	LOCK BOLT	56		
17	16105-1	WINCH POWER UNIT	57		
18	16972	CHAIN COVER	58		
19	-	-	59		
20	13171	MOUNTING SOCKET - TYPE 'A'	60		
21	13172	MOUNTING SOCKET - TYPE 'C'	61		
22	20179	BEARING - 4" I.D. X 1.00" WIDTH	62		
23	11893	BEARING - 1.5" I.D. X 9/16" WIDTH	63		
24	18542	BOOT -MOTOR TERMINAL	64		
25	18541	PIN ASSY - 3/4" O.D. X 3-1/2" LONG - BOOM ELEVATION	65		
26	12534-8	BUSHING - 1" I.D. X 1-1/2" O.D. X 14 GA	66		
27	12534-9	BUSHING - 1" I.D. X 1-1/2" O.D. X 18 GA	67		
28	-	-	68		
29	19646	SHEAVE WITH BRONZE BUSHING	69		
30	-	-	70		
31	13168-2	SLEEVE	71		
32	!HHCS06311175	HEX HEAD CAPS SCREW - 5/8"-11 X 1-3/4" LONG	72		
33	!JNUT-06311N	JAM LOCK NUT - 5/8"-11	73		
34	!RPIN-016125	ROLL PIN - 5/32" X 1-1/4"	74		
35	!HHCS03816300	HEX HEAD CAPS SCREW - 3/8-16 X 3.00" LONG	75		
36	!HHCS03816150	HEX HEAD CAPS SCREW - 3/8-16 X 1.50" LONG (3PLCS)	76		
37	!RPIN-019125	ROLL PIN - 3/16" X 1-1/4"	77		
38	!RPIN-031125	ROLL PIN - 5/16" X 1-1/4"	78		
39	!HHCS03816100	HEX HEAD CAPS SCREW - 3/8-16 X 1.00" LONG	79		
40	-	-	80		

▲
▲
▲

REFERENCE 19711 FOR REPLACEMENT PARTS DRAWING



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE

REPLACEMENT PARTS

CT2003FB/CT2004FB/CT2005FB

DATE

11-15-24A

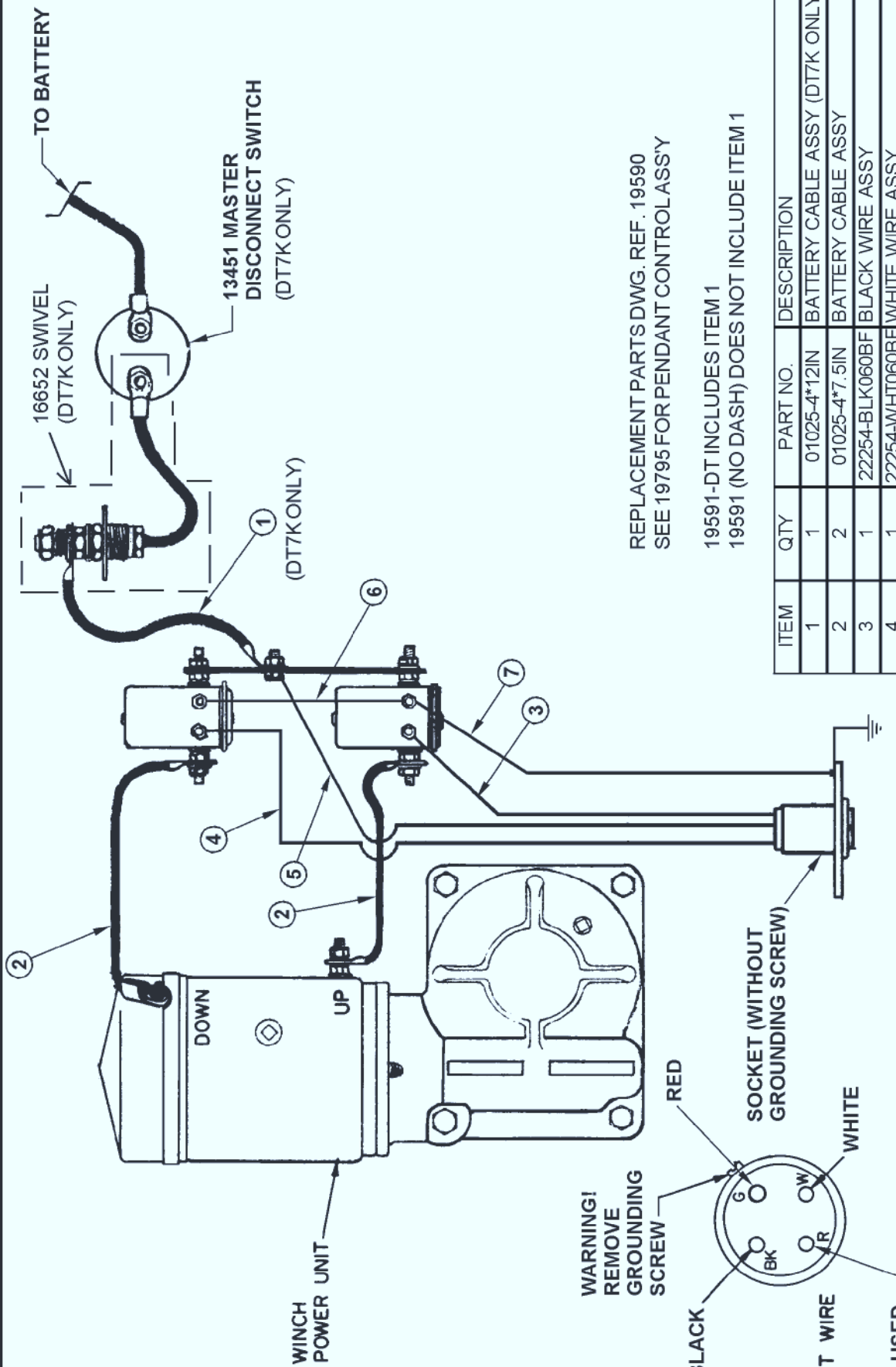
SUPERSEDES

5-12-04

SECTION

C400

20985



REPLACEMENT PARTS DWG. REF. 19590
SEE 19795 FOR PENDANT CONTROL ASSY

19591-DT INCLUDES ITEM 1
19591 (NO DASH) DOES NOT INCLUDE ITEM 1

ITEM	QTY	PART NO.	DESCRIPTION
1	1	01025-4*12IN	BATTERY CABLE ASSY (DT7K ONLY)
2	2	01025-4*7.5IN	BATTERY CABLE ASSY
3	1	22254-BLK060BF	BLACK WIRE ASSY
4	1	22254-WHT060BF	WHITE WIRE ASSY
5	1	22254-RED035CF	RED WIRE ASSY
6	1	22254-GRN045BB	GREEN WIRE ASSY (JUMPER)
7	1	22254-GRN038BC	GREEN WIRE ASSY (GROUND)

VENTURO MANUFACTURING, INC. CINCINNATI, OHIO	TITLE	WIRING KIT / DIAGRAM	
	DATE	1-13-03E	SECTION C400
	SUPERCEDES	1-10-03D	19591
	CT2003/4/5(FB), DT7K		

REPLACES 16635

WIRING SCHEMATIC REF 19591

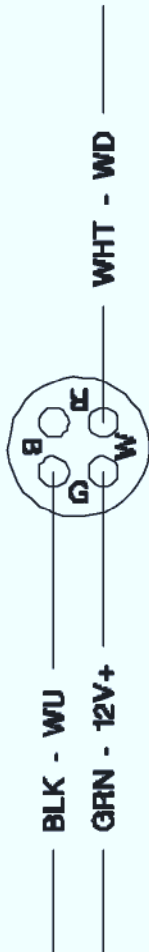
ITEM	QTY	PART NO	DESCRIPTION
1	1	19591	WIRING KIT
2	1	12102-1R	SOCKET 4 POLE LESS GROUND SCREW HOLE
3	2	15831C	CONTACTOR
4	1	16634	CONTACTOR COVER
5	1	1181	BUSS BAR
6	2	16637	GROMMET - 5/8" I.D. x 7/8" O.D. x 1/16" GROOVE
7	1	!HCS03118075-B	HEX HEAD CAP SCREW - 5/16"-18 x 3/4" LG BRASS
8	2	!HNUT-03118-B	HEX NUT - 5/16"-18 BRASS
9	3	!LWSH-031-STAR	STAR LOCKWASHER - 5/16"
10	1	15398	DECAL - UNPLUG PENDANT
11	2	18542	BOOT - MOTOR TERMINAL
12	2	!UNUT15195-1420	U-NUT - 1/4"-20
13	1	14858-1	PLUG - 7/8"
14	2	!PHCS02520063	PAN HEAD CAP SCREW - 1/4"-20 x 5/8"
15	2	!HWHS02520075-F	HEX WASHER HEAD - 1/4"-20 x 3/4" SELF TAPPING
16	2	!LWSH-025	LOCK WASHER - 1/4"
17	2	!HNUT-02520	HEX NUT - 1/4"-20



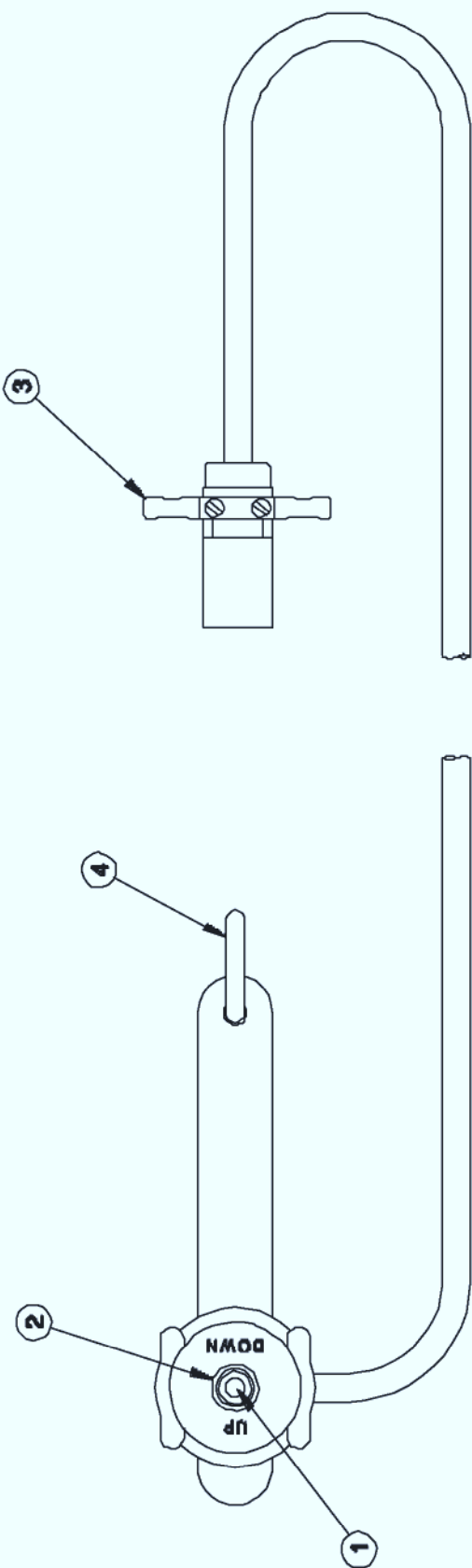
MANUFACTURING, INC.
CINCINNATI, OHIO

TITLE	CONTACTOR ASSEMBLY	DATE	3-5-99B	SECTION	-
	CT/DT CRANES	SUPERCEDES	1-27-99A		19590

19797 SINGLE SWITCH PENDANT



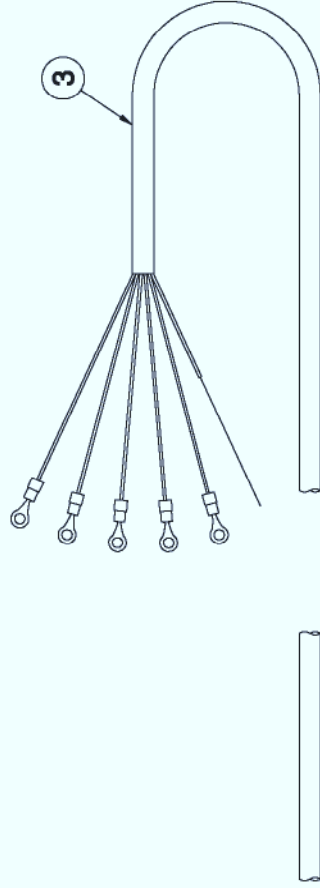
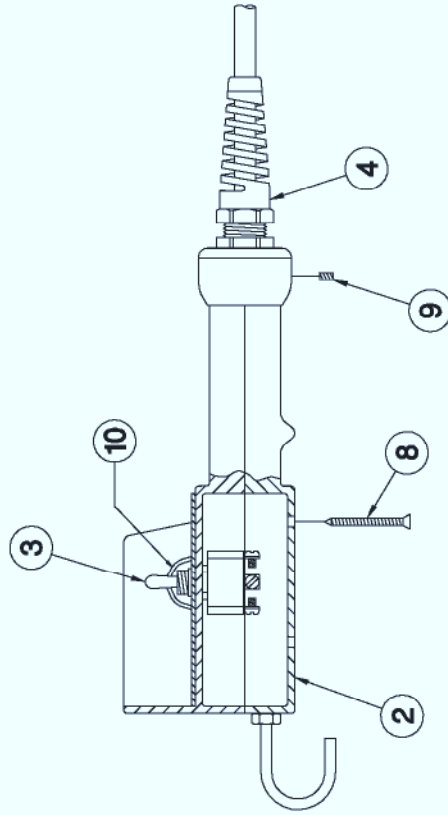
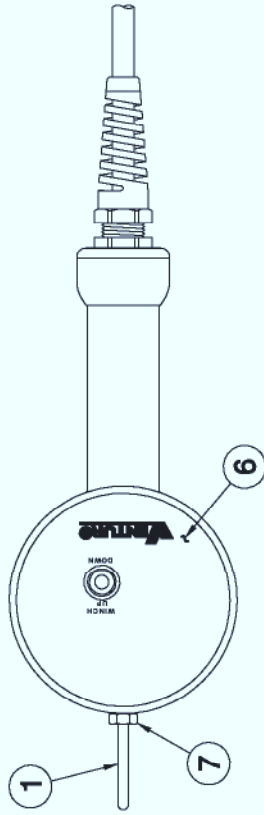
PLUG - BACKSIDE VIEW



ITEM	QTY	PART NO.	DESCRIPTION
4	1	19794	D-RING
3	1	12102-2	PLUG - 4 POLE
2	1	19793	TOGGLE BOOT
1	1	13763	TOGGLE SWITCH

VENTURO MANUFACTURING, INC. CINCINNATI, OHIO	TITLE REPL. PARTS DWG.		DATE 7-14-99	SECTION C400
	1 FUNCTION CRANES		SUPPLIES -	19795

19448 AC PENDANT CONTROL



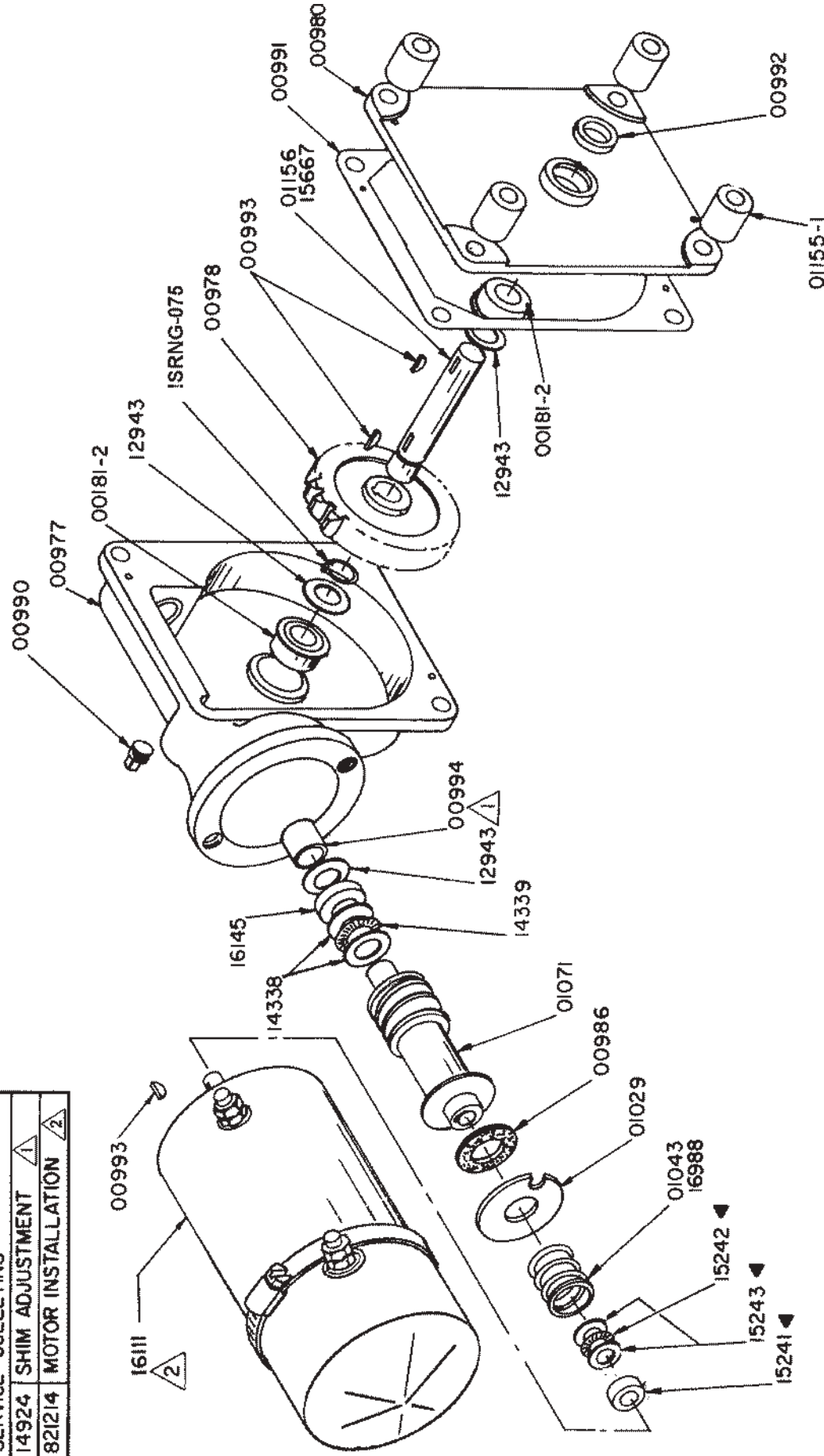
SEE 112105 FOR SWITCH WIRING INFORMATION

NOTE: ITEM 3 (P/N 20449) MUST BE SOLD AS
A COMPLETE ASSEMBLY.

ITEM	QTY	PART NO.	DESCRIPTION
10	1	19793	TOGGLE HALF-BOOT
9	1	ISHCS#832038SS	SET SCREW - #8-32 x 3/8"
8	4	IFHPS#10150A	FLAT HEAD PHILLIPS SCREW - #10 x 1 1/2" LG
7	2	IHNUT-02520	HEX NUT - 1/4-20
6	1	19447	LOGO PLATE, PENDANT CONTROL
5	-	-	-
4	1	25534	3/4" STRAIN RELIEF
3	1	20449	SWITCH & CORD ASSEMBLY
2	1	19374	PENDANT HOUSING
1	1	11557	PENDANT HOOK

TITLE	DATE	SECTION
REPLACEMENT PARTS DRAWING	4-2-02C	C400
19448 AC PENDANT CONTROL	SUPERSEDES 9-13-01B	20448

SERVICE BULLETINS		
14924	SHIM ADJUSTMENT	1
821214	MOTOR INSTALLATION	2



SEE DWG. 14924/14926 FOR SERVICE INSTRUCTION

16100 SERIES POWER UNITS

VENTURO
MANUFACTURING, INC.
CINCINNATI, OHIO

TITLE
REPLACEMENT PARTS
WINCH & CRANE

DATE
5-9-06F
SUPERCEDES
4-14-04E

SECTION
C450
I16100

REPLACEMENT PARTS LIST - 16100 ELECTRIC POWER UNIT

MODEL(S): ET5500MPB, ET6KM, ET6KR

PART NO.	DESCRIPTION
16101 16102 16105 16105-1 16106 16107	POWER UNIT - LONG SHAFT - ET5500R WINCH ² POWER UNIT - SHORT SHAFT - ET5500R ROTATION POWER UNIT - LONG SHAFT - CA 2000, CT 2003, WA/SL 3000 (WITH SPACERS) POWER UNIT - LONG SHAFT - CA 2000, CT 2003/4/5(FB), WA/SL 3000 (WITHOUT SPACERS) POWER UNIT - LONG SHAFT ³ POWER UNIT - SHORT SHAFT - ET5500R ROTATION
00181-2 00977 00978 00980 * 00986	FLANGE BEARING - 3/4" BORE x 1 3/4" O.D. GEAR CASE (INCLUDES 00994 BUSHING) WORM GEAR BASE PLATE (00980-1) & INSERT (00980-2) ASSEMBLY BRAKE DISC
* ISRNG-075 00990 * 00991 * 00992 ⁴ * 00993	RETAINING RING - 3/4" OIL PLUG - 1/4" PIPE GASKET OIL SEAL KEY - #9 WOODRUFF
00994 01029 01043 ⁴ 01071 01155-1	BUSHING BRAKE PLATE BRAKE SPRING (16102 & 16107 ROTATION POWER UNIT ONLY) WORM SHAFT SPACER (16105 ONLY)
01156 * 12943-1 ⁴ * 12943-2 ⁴ * 12943-3 ⁴ 14338	WORM GEAR SHAFT - 3/4" x 5 3/16" LONG (16105 & 16106 ONLY) SHIM WASHER - .005" THICK (AS REQUIRED) SHIM WASHER - .015" THICK (AS REQUIRED) SHIM WASHER - .030" THICK (AS REQUIRED) NEEDLE THRUST RACE 3/4" I.D.
14339 15241 15242 15243 15667	NEEDLE THRUST BEARING 3/4" I.D. SPACER (INSTALL NEXT TO MOTOR) ⁴ NEEDLE THRUST BEARING 5/8" I.D. NEEDLE THRUST RACE .092" x 5/8" I.D. WORM GEAR SHAFT - 3/4" x 4 3/16" LONG (16102 & 16107 ONLY)
16111 ⁴ 16145 16988 ⁴	MOTOR - 12 VOLT 4 1/2" DIAMETER SPACER BRAKE SPRING (16101, 16105 & 16106 WINCH POWER UNITS ONLY)
14889 15290	MOTOR REPAIR KIT SMALL PARTS KIT (INCLUDES ITEMS MARKED *)

¹ AVAILABLE ONLY AS PART OF 15290 SMALL PARTS KIT

² 16101 POWER UNIT REPLACED BY 16106 POWER UNIT
16102 POWER UNIT REPLACED BY 16107 POWER UNIT

³ REPLACE 30E & 16100 POWER UNITS AS FOLLOWS:
16105 REPLACES 11497
16106 REPLACES 11497NS & 16101
16107 REPLACES 16102

⁴ 16111 MOTOR REPLACES 01024 E & F & 16112 MOTORS
ON ALL 30E & 16100 SERIES POWER UNITS

⁵ 16988 BRAKE SPRING REPLACES 01043 BRAKE SPRING ON
16101, 16105 & 16106 WINCH POWER UNITS ONLY



MFG., INC.
CINCINNATI, OHIO

TITLE
REPL. PARTS LIST

16100 ELECTRIC PU

DATE
6-13-07G

SUPERCEDES
12-6-04F

SECTION
C400

811016



DECAL 17389-4 2 REQ'D 1 EACH SIDE

CAUTION

1. INSPECT VEHICLE AND CRANE INCLUDING OPERATION, PRIOR TO USE DAILY.

2. DO NOT USE THIS EQUIPMENT EXCEPT ON SOLID, LEVEL SURFACE WITH CRANE MOUNTED ON FACTORY-RECOMMENDED TRUCK.

3. BEFORE OPERATING THE CRANE, REFER TO THE OPERATING MANUAL FOR CRANE FOR OPERATING (LOAD) LIMITATIONS.

4. DO NOT OPERATE WALK, AS STANDING BENEATH BOOM OR A SUSPENDED LOAD.

5. UNPLUG PENDANT AND SHUT OFF MASTER BREAKER SWITCH WHEN CRANE NOT IN USE.

6. FOR TRAVEL, BOOM MUST BE IN STOWED POSITION.

CAPACITY
1000 LBS.

CAPACITY
1500 LBS.

CAPACITY
2000 LBS.

15390
PLACE ON BOTTOM RIGHT
OF RIGHTSIDE OF MECH

⚠ 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.
2. YOU KNOW AND FOLLOW THE SAFETY AND WARNING INFORMATION CONTAINED IN THE OPERATING MANUALS, YOUR EMPLOYER'S WORK RULES, AND APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

ANY UNTRAINED OPERATOR SUBJECTS HIMSELF AND OTHERS TO **DEATH OR SERIOUS INJURY**.

15391
PLACE ON BOTTOM LEFT
OF CONTACTOR BOX

⚠ DANGER

THIS MACHINE IS NOT INSULATED. ELECTROCUTION HAZARD.

MAINTAIN SAFE CLEARANCES FROM ELECTRICAL EQUIPMENT AND POWER SOURCES. DO NOT TOUCH ELECTRICAL WIRING, PIPES OR SACS, AND ELECTRICAL CONNECTIONS. DO NOT TOUCH ELECTRICAL CONNECTIONS FROM CONTACT WITH OR PROXIMITY TO AN ELECTRICALLY CHARGED CONDUCTOR. DO NOT TOUCH ELECTRICAL CONNECTIONS WITHIN 10 FEET BETWEEN ANY PART OF THE CRANE, OR APPARATUS CARRYING UP TO 50,000 VOLTS, OR ELECTRICAL EQUIPMENT. DO NOT TOUCH ELECTRICAL CONNECTIONS WITHIN 10 FEET OF ANY ADDITIONAL 30,000 VOLTS OR LBS. CONTACT OF INADEQUATE CLEARANCE.

15392
PLACE ON BOTTOM LEFT
OF BACKSIDE OF MECH

OTHER DECALS SAME AS
SHOWN ON CT2004(FB)
CT2000 BOOM DOES NOT
EXTEND - 2000 lbs MAX

CT2000

CT2003FB

19734

CAPACITY DECALS (#15672-XXXX-D)
ON BOTH SIDES OF BOOM

CAPACITY
700 LBS.

CAPACITY
900 LBS.

CAPACITY
1200 LBS.

CAPACITY
1500 LBS.

CAPACITY
500 LBS.

CAPACITY
600 LBS.

CAPACITY
700 LBS.

CAPACITY
900 LBS.

CAPACITY
1200 LBS.

SERIAL
PLATE

SERIAL
PLATE

UNPLUG
REMOTE CONTROL
PENDANT WHEN
NOT IN USE

15398
PLACE ON OPPOSITE
SIDE NEAR SOCKET

USE LOAD BLOCK
OVER 1200 LBS

13191
1 EACH SIDE

CT2004FB

19735

CT2005

19736

OTHER DECALS SAME AS
SHOWN ON CT2004(FB)

CT2003FB

15545-3 FIELD SERVICE LABEL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION
1	11917-4	1	DECAL; VOLTAGE IDENTIFICATION
2	-	-	-
3	14793		DECAL; CONTROL IDENTIFICATION:
	-2	*1	AC MODELS ONLY, SQUARE-FACED CONTROLLERS
	-3	*1	STANDARD MODELS, ROUND-FACED CONTROLLERS
4	17389-4	2	DECAL; VENTURO LOGO, SMALL
5	15672		DECAL; CAPACITY:
	-1000	2	1000 LBS.
	-1500	2	1500 LBS.
	-2000	2	2000 LBS.
6	19734	2	DECAL; MODEL, CT2003FB
7	15397	1	KIT; ACCIDENT PREVENTION SIGNS
8	16176	1	IDWG; DECAL APPLICATIONS
▲ 9	13191-12	2	DECAL; OPERATING INSTRUCTIONS (LOAD BLOCK)
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-

* 14793-2 IS USED FOR HEAVY DUTY APPLICATIONS (AC) ONLY - OMIT DECAL 14793-3.

* 14793-3 IS USED FOR STANDARD APPLICATIONS ONLY - OMIT DECAL 14793-2.



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE

FIELD SRVC LABEL KIT

DATE

07-03-14E

SECTION

-

CT2003FB

SUPERSEDES

04-23-13D

15545-3

CT2004FB

15545-4 FIELD SERVICE LABEL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION
1	11917-4	1	DECAL; VOLTAGE IDENTIFICATION
2	-	-	-
3	14793		DECAL; CONTROL IDENTIFICATION:
	-2	*1	AC MODELS ONLY, SQUARE-FACED CONTROLLERS
	-3	*1	STANDARD MODELS, ROUND-FACED CONTROLLERS
4	17389-4	2	DECAL; VENTURO LOGO, SMALL
5	15672		DECAL; CAPACITY:
	-700	2	700 LBS.
	-900	2	900 LBS.
	-1200	2	1200 LBS.
	-1500	2	1500 LBS.
6	19735	2	DECAL; MODEL, CT2004FB
7	15397	1	KIT; ACCIDENT PREVENTION SIGNS
8	16176	1	IDWG; DECAL APPLICATIONS
▲ 9	13191-12	2	DECAL; OPERATING INSTRUCTIONS (LOAD BLOCK)
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-

* 14793-2 IS USED FOR HEAVY DUTY APPLICATIONS (AC) ONLY - OMIT DECAL 14793-3.

* 14793-3 IS USED FOR STANDARD APPLICATIONS ONLY - OMIT DECAL 14793-2.



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE

FIELD SRVC LABEL KIT

DATE

07-03-14E

SECTION

-

CT2004FB

SUPERSEDES

04-23-13D

15545-4

CT2005

15545-5 FIELD SERVICE LABEL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION
1	11917-4	1	DECAL; VOLTAGE IDENTIFICATION
2	-	-	-
3	14793		DECAL; CONTROL IDENTIFICATION:
	-2	*1	AC MODELS ONLY, SQUARE-FACED CONTROLLERS
	-3	*1	STANDARD MODELS, ROUND-FACED CONTROLLERS
4	17389-4	2	DECAL; VENTURO LOGO, SMALL
5	15672		DECAL; CAPACITY:
	-500	2	500 LBS.
	-600	2	600 LBS.
	-700	2	700 LBS.
	-900	2	900 LBS.
	-1200	2	1200 LBS.
6	19736	2	DECAL; MODEL, CT2005
7	15397	1	KIT; ACCIDENT PREVENTION SIGNS
8	16176	1	IDWG; DECAL APPLICATIONS
▲ 9	13191-12	2	DECAL; OPERATING INSTRUCTIONS (LOAD BLOCK)
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-

* 14793-2 IS USED FOR HEAVY DUTY APPLICATIONS (AC) ONLY - OMIT DECAL 14793-3.

* 14793-3 IS USED FOR STANDARD APPLICATIONS ONLY - OMIT DECAL 14793-2.



VENCO VENTURO INDUSTRIES LLC
CINCINNATI, OHIO

TITLE

FIELD SRVC LABEL KIT

DATE

07-03-14E

SECTION

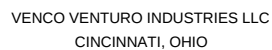
-

CT2005

SUPERSEDES

04-23-13D

15545-5

[illegible]

INSTALLATION MANUALS

02-23-16

1.

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25431



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.

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