

ET36KX

EQBAAA-00 INSTALLATION & OWNER'S MANUAL

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FIELD SERVICE LABEL KIT

21867

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		SUPERSEDES	24076
١	ET36KX (EQBAAA-00)	6-8-10C	ZIU/O

SECTION 100

DESCRIPTION

&

SPECIFICATIONS



SPECIFICATIONS AND OPERATING FEATURES

ET36KX-10/20

SPECIFICATIONS

12 VOLT BATTERY OPERATED

36,000 FT-LBS OVERTURNING MOMENT (Or as limited by truck stability)

MOMENT OVERLOAD SYSTEM

TELESCOPIC BOOM	10 / 20
BOOM HYD ELEVATION	-8° TO 75°
BOOMHYDEXT	10 - 20 FT
	1800 LBS @
	20 FT REACH
CAPACITY	6000 LBS @ 3 TO 5 FT REACH
WIRE ROPE	5/16" DIA x 80 FT
	EXTRA HIGH STRENGTH
PENDANTCORDLENGTH	25 FT

WINCH - 3000 LBS SINGLE LINE CAPACITY

With Automatic Load Brake

ELECTRIC HYDRAULIC BOOM ELEVATION

ELECTRIC HYDRAULIC BOOM EXTENSION & RETRACTION - 10 FT STROKE

360° CONTINUOUS POWER ROTATION

REMOTE CONTROL PENDANT

25 ft Straight Cord with Four Environmentally Sealed Toggle Switches Protected by a Guard

MASTER DISCONNECT SWITCH

OUTRIGGERS AVAILABLE

Side Bracket Type Outriggers

Fold Away Type Outriggers

Pullout Type Outrigger System

ENTURO	MFG., INC. CINCINNATI, OHIO
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INSTALLATION DWG	9-30-09A	C120
ET36KX-10/20	3-18-08	21077

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.

CONTROL PRIORITY SYSTEM

The design intent of the electrical and hydraulic system is such that some functions can be operated simultaneously, while others are meant to be operated individually. To summarize the control system see the explanations below.

- Winch up takes priority over all functions.
- Winch Down can be operated with any other single function.
- Hydraulic functions (Rotation Right, Rotation Left, Boom Up, Boom Down, Boom Out and Boom In) are designed to function one at a time.

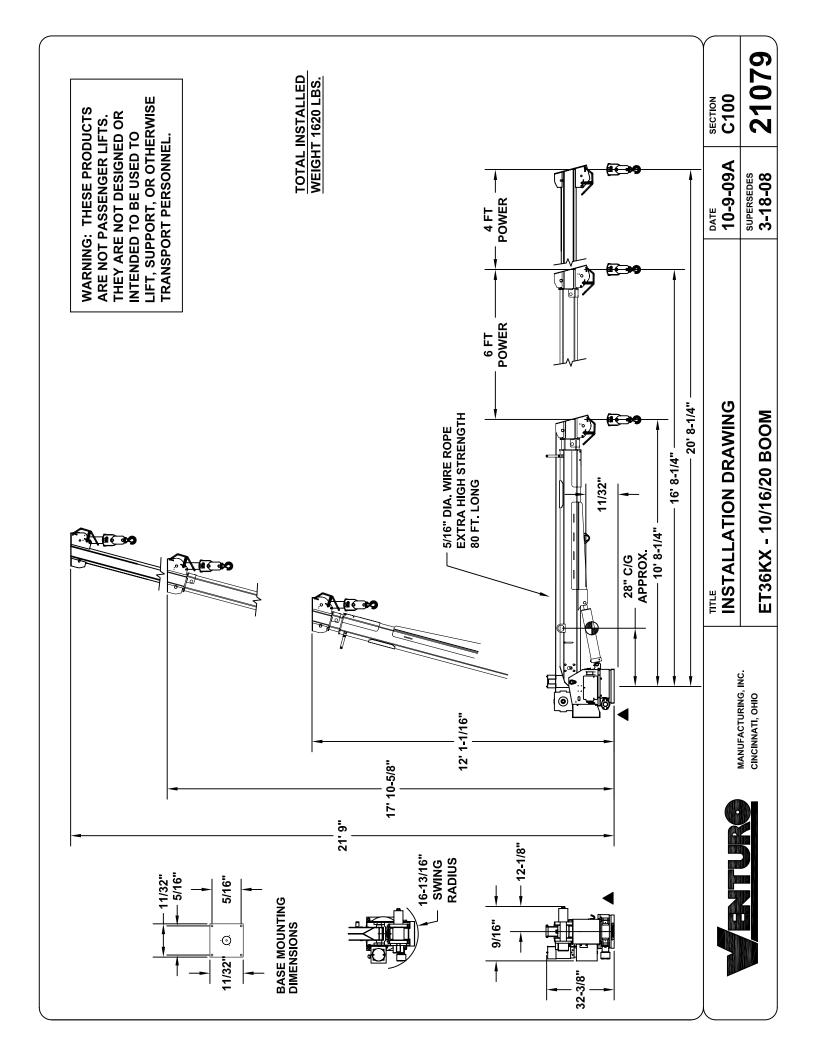
CABLE DRUM AND SHEAVE DIAMETERS

The drum on the ET36KX is 5-5/16" in diameter which provides the first layer wire rope pitch diameter 18 times the rope diameter as required by ANSI B30.5 Hydraulic Crane Standards. The cable sheaves are either 16 (snatch block) or 18 (boom) times the cable diameter which likewise conforms.

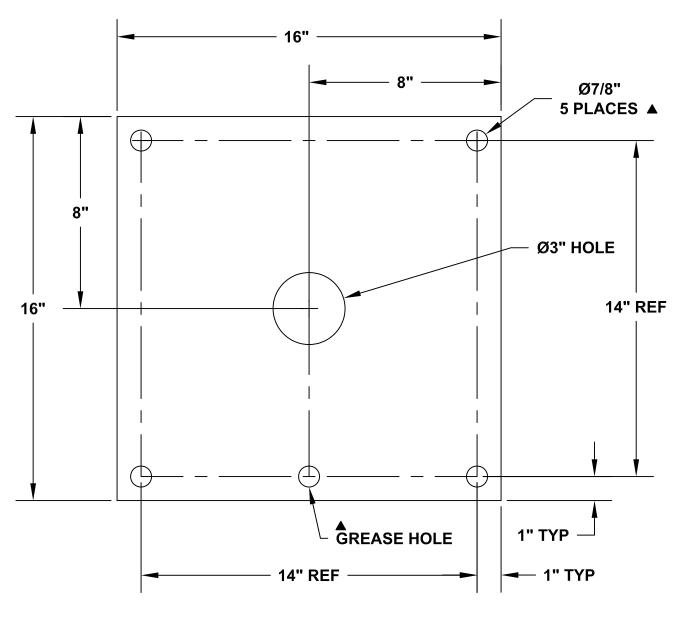
MISCELLANEOUS

- A. CAPACITY INDICATOR
 - Select boom reach and angle allowable for load by using capacity indicator arrow and chart on either side of boom.
- B. BATTERY HOOKUP
 - A parallel auxiliary battery should be installed near the crane as shown on Dwg. 19947 under "RECOMMENDED INSTALLATION". The parallel auxiliary battery minimum rating should be 450 Cold Cranking Amps (at 0° F) and 100 reserve capacity, or 78 plates and 70 amp hours.

ET36KX-10/20	SUPERCEDES	21078
INSTALLATION DWG	3-18-08	C120



ET/HT30/36K(X) BASE MOUNTING DIMENSIONS

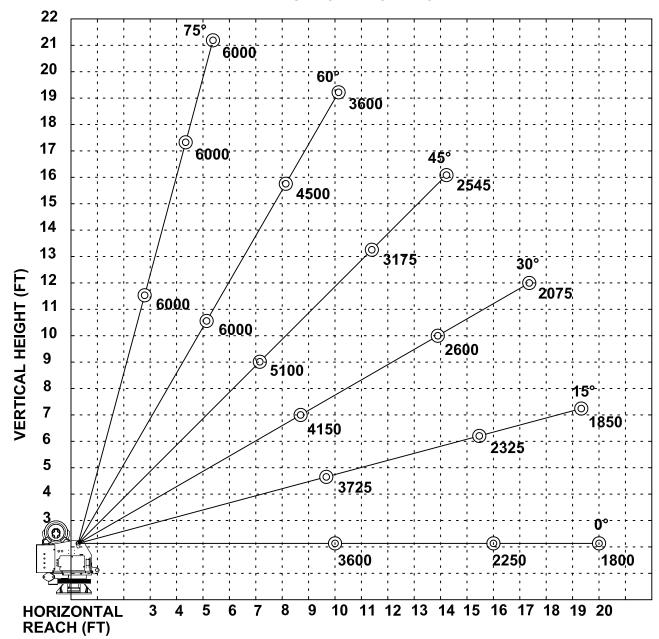


FRONT OF CRANE ————

▲ THE FIFTH GREASE HOLE IS FOR A SINGLE BASE PLATE ONLY

MFG., INC.	BASE MOUNTING DIM	1-16-09A	C100
CINCINNATI, OHIO	ET/HT30/36K(X)	3-25-08	21080

ET36KX - 10-16-20 FOOT BOOM MAXIMUM CAPACITY CHART



MUST USE SNATCH BLOCK FOR LOADS OF 3000 LBS. AND GREATER



ET36KX - 10-16-20	SUPERSEDES -	21081
CAPACITY CHART	3-25-08	C100

SECTION 150

SAFETY



VEHICLE & CRANE MOUNTED ELECTRICAL HAZARD SIGN APPLICATION & INFORMATION

ET & HT CRANE SERIES



SIGN NO. 15393A 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.

REQUIRED MINIMUM CLEARANCES REFERRED TO ON SIGN NO. 15401

REQUIRED CLEARANCES FROM OVERHEAD HIGH-VOLTAGE LINES

	AL VOLTAGE (kV) TO PHASE)	MINIMUM REQUIRED CLEARANCE (FEET) *
over over over over over	0 - 50 50 - 200 200 - 350 350 - 500 500 - 750 750 - 1000	10 15 20 25 35 45

REQUIRED CLEARANCES FROM ENERGIZED HIGH-VOLTAGE CONDUCTORS (WHILE IN TRANSIT)

NOMINAL VOLTAGE (kV)	MINIMUM REQUIRED
(PHASE TO PHASE)	CLEARANCE (FEET) *
0 - 0.75	4
over 0.75 - 50	6
over 50 - 345	10
over 345 - 750	16
over 750 - 1000	20

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

V ENTURA	MFG., INC.	INSTALLATION DWG	5-15-02H	C150	
WENTURO	CINCINNATI, OHIO	ET & HT CRANE SERIES	SUPERCEDES 5-13-97G	15394	\int

CRANE SAFETY AND HAZARDS

ETCRANES ▲

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. 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 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.

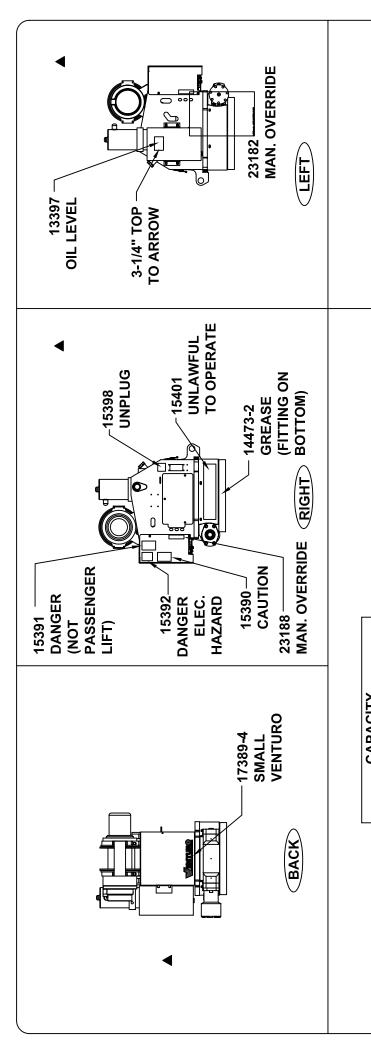
YOU MUST NOT OPERATE THIS CRANE UNLESS

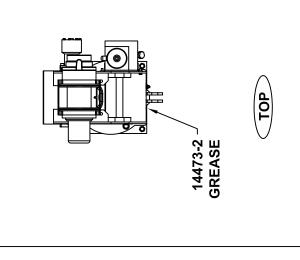
- YOU HAVE BEEN TRAINED IN THE SAFE OPERATION OF THIS CRANE AND
- 2. YOU KNOW AND FOLLOW THE SAFETY AND OPERATING RECOMMENDATIONS CONTAINED IN THE MANUFACTURER'S MANUALS, YOUR EMPLOYER'S WORK RULES, AND APPLICABLE GOVERNMENT REGULATIONS. AN UNTRAINED OPERATOR SUBJECTS HIMSELF AND OTHERS TO DEATH OR SERIOUS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

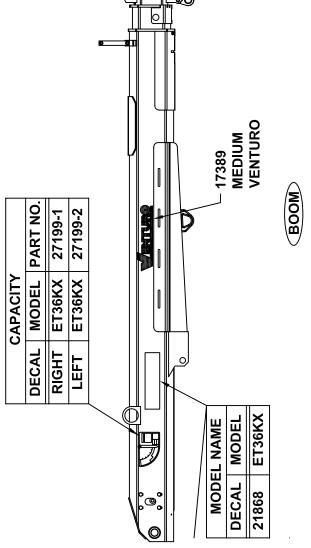
ELECTROCUTION HAZARD

- THIS MACHINE IS NOT INSULATED.
- MAINTAIN SAFE CLEARANCES FROM ELECTRICAL LINES AND APPARATUS.
- YOU MUST ALLOW FOR BOOM SWAY, ROCK OR SAG, AND ELECTRICAL LINE AND LOADLINE 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, LOADLINE, OR LOAD, AND ANY ELECTRICAL LINE OR APPARATUS CARRYING UP TO 50,000 VOLTS. ADDITIONAL CLEARANCE IS REQUIRED FOR VOLTAGES IN EXCESS OF 50,000 VOLTS. REFER TO DRAWING 15394 FOR ADDITIONAL INFORMATION.
- DEATH OR SERIOUS INJURY WILL RESULT FROM CONTACT OR INADEQUATE CLEARANCE.

VENTURO	MFG., INC. CINCINNATI, OHIO	INSTALLATION DWG	4-18-08H	C150
ENTORO		▲ELECTRIC CRANES	7-29-03G	850711









MANUFACTURING, INC. CINCINNATI, OHIO

DECAL PLACEMENT

ET36KX

SECTION	C150	2108
DATE	3-23-12A	supersedes 9-22-08

PART NO.: 15390

DECAL: **CAUTION - INSPECT VEHICLE & CRANE**

FUNCTION: To inform the operator of key operating

requirements.

QUANTITY: 1

PLACEMENT: Rear cover.

PART NO.: 15391

DANGER - NOT PASSENGER LIFT DECAL:

FUNCTION: To inform the operator not to lift, support or

transport personnel, and to ensure that crane

operator is adequately trained.

QUANTITY: 1

PLACEMENT: Rear cover.

PART NO.: 15392

DANGER - ELECTROCUTION HAZARD DECAL:

FUNCTION: To inform the operator that the machine

(crane) represents an electrocution hazard should it come close to or in contact with

electrical voltage source.

QUANTITY: 1

PLACEMENT: Rear cover.

PART NO.: 15401

DECAL: **UNLAWFUL TO OPERATE**

FUNCTION: To inform the operator of proper operation in

vicinity of power lines.

QUANTITY: 1

PLACEMENT: Right side of housing.

PART NO: 15393A

DANGER - ELECTROCUTION HAZARD DECAL:

FUNCTION: Warns of danger from electrically charged

vehicle, crane or lead.

QUANTITY: 4

PLACEMENT: One on each side and each end of vehicle.



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. UNPLUG PENDANT AND SHUT OFF MASTER DISCONNECT SWITCH WHEN CRANE NOT

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



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:

YOU HAVE BEEN TRAINED IN THE SAFE OPERATION OF THIS CRANE; AND OF THIS CRANE; AND OF THE SAFETY AND OPERATING RECOMMENDATIONS CONTAINED IN THE MANUFACTURET'S MANUFACTURET'

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



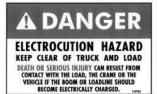
ELECTROCUTION HAZARD

MAINTAIN SAFE CLEARANCES FROM ELECTRICA LINES AND APPARATUS. YOU MUST ALLOW FOI BOOM SWAY, ROCK OR SAG AND ELECTRICAL LIN AND LOADLINE SWAYING.

DEATH OR SERIOUS INJURY WILL RESULT FROM CONTACT OR INADEQUATE CLEARANCE.

UNLAWFUL TO OPERATE THIS EQUIPMENT

WITHIN 10 FEET OF HIGH - VOLTAGE LINES OF 50,000 VOLTS OR LESS.





SAFETY DECALS

DATE

SECTION

8-10-09B C150 SUPERSEDES

5-6-08A



MFG., INC. **CINCINNATI, OHIO**

CRANES

PART NO.: 15393A

DECAL: DANGER - ELECTROCUTION HAZARD

FUNCTION: Warns of danger from electrically

charged vehicle, crane or lead.

QUANTITY: 4

PLACEMENT: One on each side and each end of

vehicle.

ELECTROCUTION HAZARD
KEEP CLEAR OF TRUCK AND LOAD
DEATH OR SERIOUS INJURY CAN RESULT FROM
CONTACT WITH THE LOAD, THE CRANE OR THE
YERICLE IT THE BOOM OR LOAD LINE SHOULD
BECOME RECTRICALLY CHARGED.



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.







| 5

SAFETY DECALS

8-10-09A

c150

CRANES

4-26-06

SUPERSEDES

21384

MFG., INC. CINCINNATI, OHIO PART NO.: 14473-2

DECAL: GREASE

FUNCTION: To show the operator where to apply grease.

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.

OIL LEVEL

USE AUTOMATIC TRANSMISSION FLUID

ATF - DEXRON

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.





ET DECALS	

ET CRANES

8-10-09B C150 SUPERSEDES 5-6-08A 21354

SECTION

PART NO.: 27199-1 & 27199-2 (OPPOSITE)

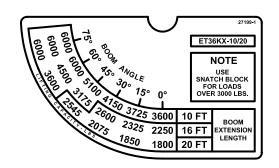
DECAL: CRANE CAPACITY

FUNCTION: To show the operator the operating

capacities of crane.

QUANTITY: 1 each

PLACEMENT: One on each side of boom.



PART NO.: 21868

DECAL: MODEL NUMBER (ET36KX)

FUNCTION: To show the model of the crane.

QUANTITY: 2

PLACEMENT: One on each side of boom.





MFG., INC. CINCINNATI, OHIO **MODEL & CAPACITY DECALS**

2-11-09

SUPERSEDES

C150

ET36KX

| -

DATE

21083

SECTION 200

INSTALLATION



IMPORTANT

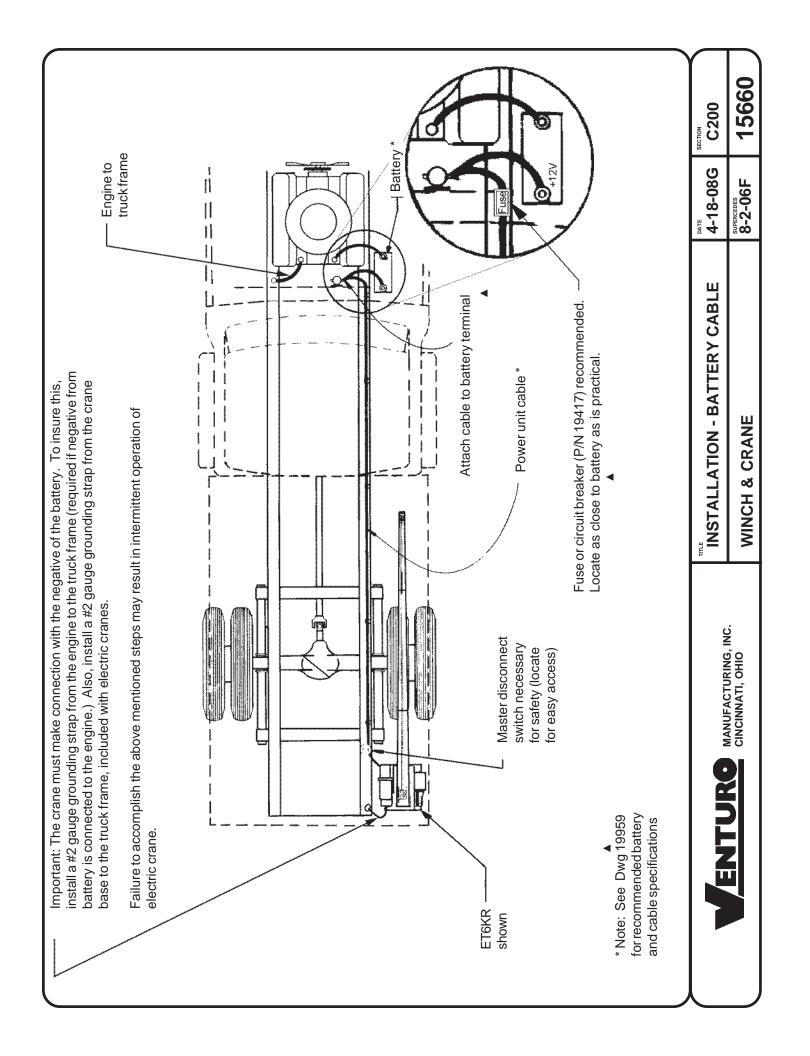
ADEQUATE WIRING IMPERATIVE FOR PROPER OPERATION

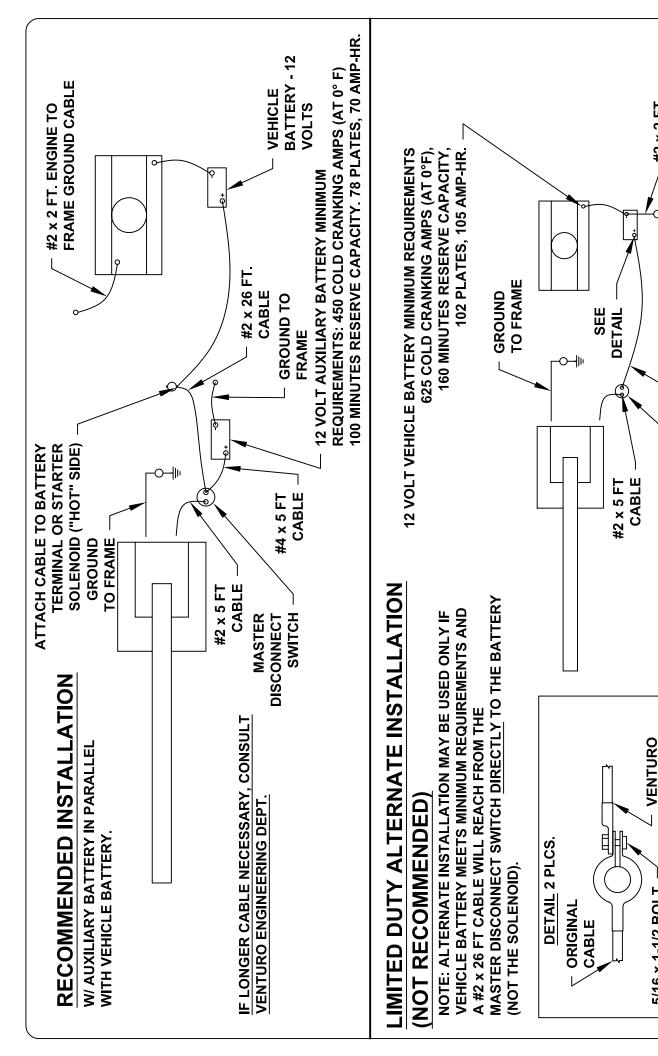
- 1. PROPER GROUND PATH SEE DWG 15660
- 2. CURRENT DRAW IS SEVERAL HUNDRED AMPERES ADEQUATE WIRE SIZE AND BATTERY CAPACITY IS ABSOLUTELY ESSENTIAL (SEE CHART BELOW.)

			MINIMU	JM WIRE	GAUGE	E AND B	ATTERY	SIZE				
MODEL			TOTAL L	ENGTH O	F CABLE	(FT)*			12 VOLT BATTER	RYREQUIREMENTS		
	0-20	21-25	26-30	31-40	41-50	51-60	61-70	71-80	CCA (A)**	RC (MIN)***		
CE6K CT2000 CT2003/4/5 DT7K	#4	#4	#2 #2		#1	#0	#0 #00		350	100		
ET8K ET8KX ET12K ET12KX	#2	#2	#1	#0	#00	NOTRE	COMMEND	DED	450	100		
ET18K ET18KX ET25K ET25KX ET30KX	SEEDI	RAWING 1	9947FOR(CABLE AN	DBATTER	YREQUIR	EMENTS					

- * INCLUDES GROUND CABLE
- ** CCA=COLD CRANKING AMPS AT 0' F.
 THE CCA RATING IS A MEASURE OF THE ABILITY OF THE BATTERY TO DELIVER A <u>HIGH CURRENT</u> FOR A SHORT PERIOD OF TIME.
- *** RC=RESERVE CAPACITY IN MINUTES AT 25 AMPS AND 80' F.
 THE RC RATING IS A MEASURE OF THE <u>PERIOD OF TIME</u> THE BATTERY CAN SUPPLY A GIVEN CURRENT WITHOUT RECHARGING.

VENTURO	MFG INC.	CABLE & BATTERY	11-24-08C	C200	1
ENTORO	CINCINNATI, OHIO	ELECTRIC CRANES	4-21-08B	19959	





19947

7-29-03A

SUPERSEDES

DIRECT TO FRAME

SECTION

11-25-08B

ELECTRICAL INSTALLATION

ET CRANES

MANUFACTURING, INC. CINCINNATI, OHIO

RECOMMENDED TERMINAL ATTACHMENT

CABLE

5/16 x 1-1/2 BOLT

DATE

GROUND CABLE

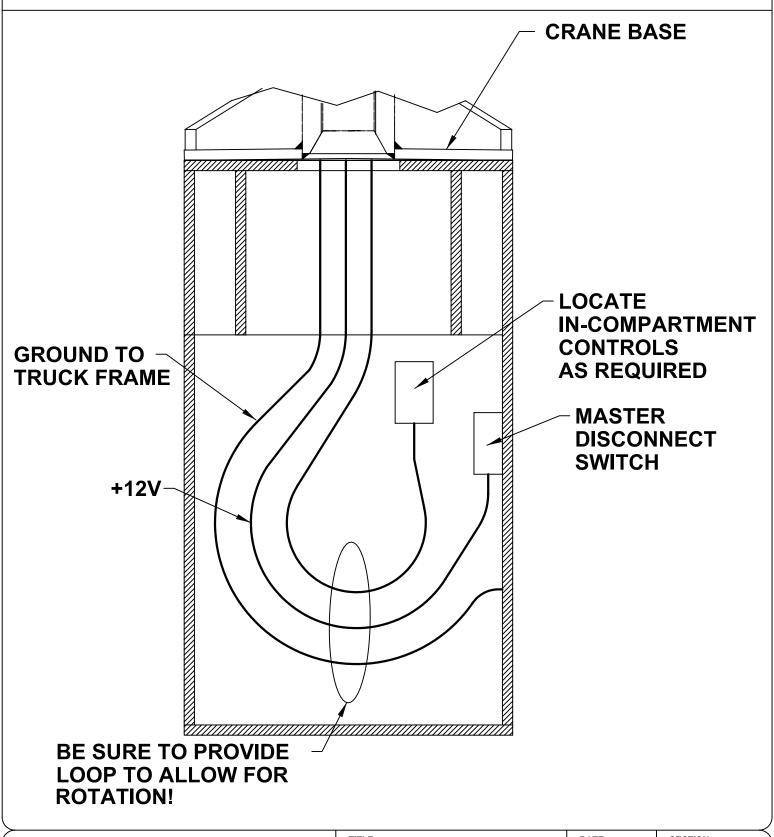
 $#2 \times 26 FT$.

MASTER DISCONNECT **SWITCH**

CABLE

 $#2 \times 2 FT$

IN-COMPARTMENT CONTROLS INSTALLATION ET25/30/36KX(X)





INSTALLATION DWG	9-14-09A	SECTION _
ET25/30/36KX(X)	9-13-01	19961

WIRE ROPE INSTALLATION

STEP 1: UNWIND COIL OF WIRE ROPE BY 'ROLLING' ALONG THE FLOOR. THIS WILL PREVENT'KINKING'.

STEP 2: INSERTWIRE ROPE END THROUGH ANTI-TWO-BLOCK WEIGHT.

STEP 3: INSERT WIRE ROPE END INTO POCKET OPENING ON WINCH AND THROUGH WEDGE POCKET AS SHOWN IN (FIG 1).

CAUTION: IF THE WIRE ROPE IS NOT INSTALLED FOR THE CORRECT DRUMROTATION, THE WINCH BRAKE VALVE WILL NOT HOLD THE LOAD.

CAUTION: THERE MUST ALWAY BE AT LEAST
(3) TURNS OF WIRE ROPE ON THE
WINCH DRUM WHILE UNDER LOAD.

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

NOTE:

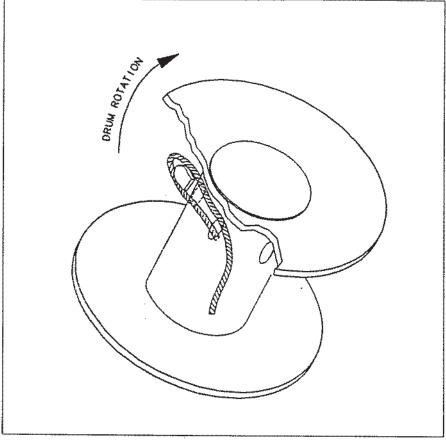


FIG 1



22245	SUPERCEDES 2-26-08F	ET8K AND LARGER CRANES
C200	8-18-09G	WIRE ROPE INSTALLATION DRAWING
SECTION	DATE	ПП.Е

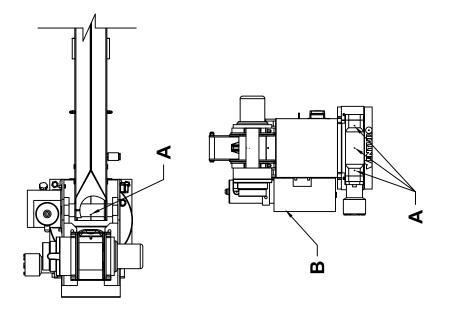
SECTION 300

MAINTENANCE

&

SERVICE



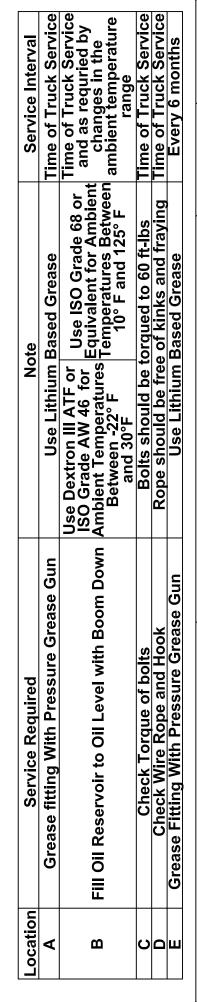


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LUBRICATION & MAINTENANCE CHART

TITLE

ET25/30/36KX(X)

21878

SECTION

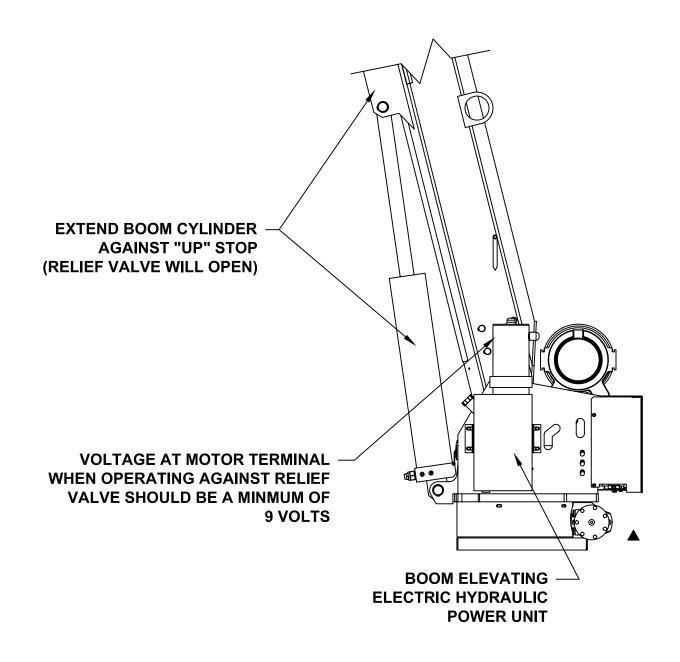
8-11-09 SUPERSEDES

DATE

MINIMUM VOLTAGE TEST

ET SERIES CRANES

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

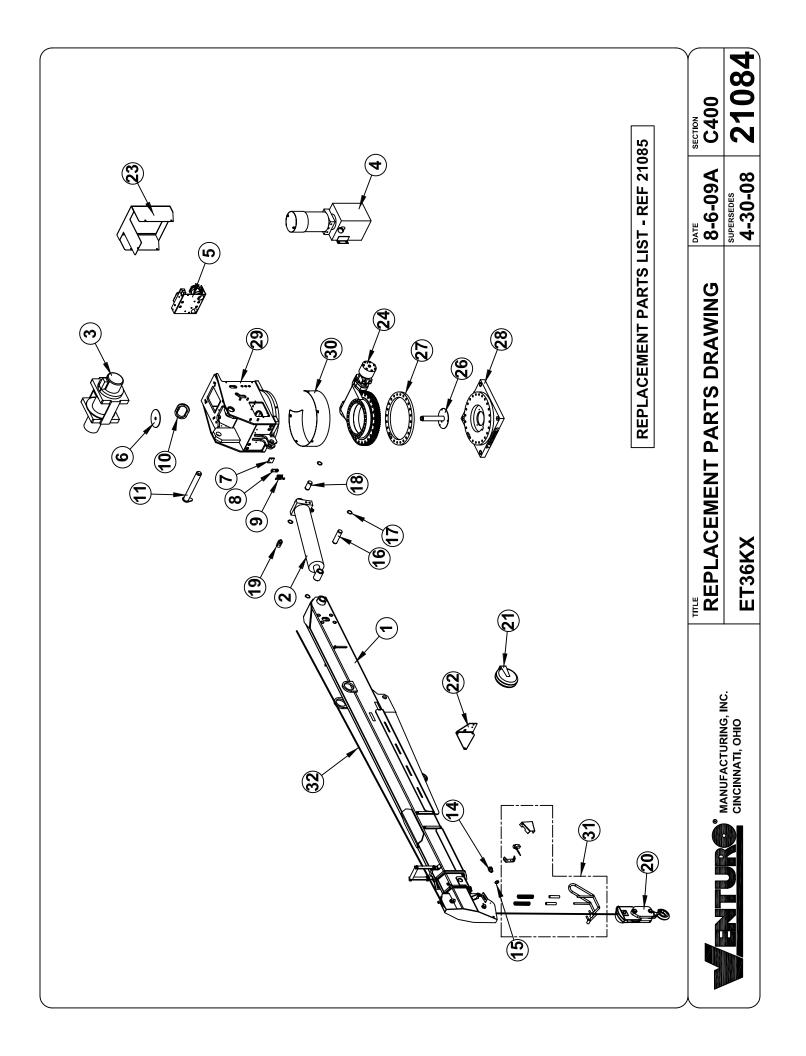


RALIRA MOLTACE TECT	140 E 00E	
ERIES CRANES	10-5-09F supersedes 2-9-09E	19963
	UM VOLTAGE TEST RIES CRANES	SUPERSEDES

SECTION 400

PARTS



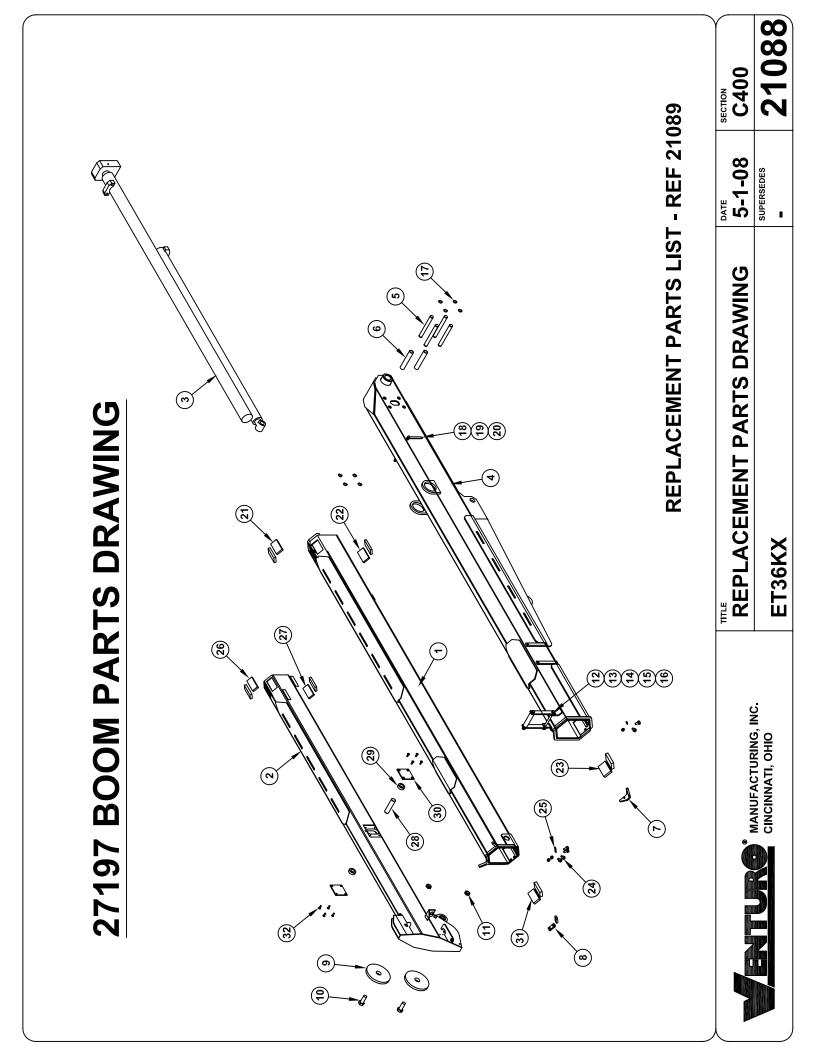


31 30 29 28 27 26		27620	
30 29 28 27 26			
29 28 27 26	-	27186	SLEW ING RING COVER
28 27 26	1	27184	HOUSING WELDED ASSEMBLY
27	-	27520	TOP PLATE - BASE W ELDED ASSEMBLY
26	1	27520s	SPACER
		27568	SWIVEL PIGTAIL CANDLESTICK ASSEMBLY
25	1	27000	HOUSING SIDE COVER
24	_	21419	SLEW ING RING KINEM ATICS
23	-	27600	HOUSING REAR COVER
22	1	27583	CORD REEL BRACKET
21	1	27310	CORD REEL ASSEMBLY
20	1	27667	SNATCH BLOCK - 6000 LB.
19	_	17460-2950-21	OVERLOAD PRESSURE SWITCH
18	_	18762	PIVOT PIN - ELEVATION CYLINDER
17	4	ISRNG-125	RETAINING RING - 1-1/4" SHAFT DIA.
16	1	18761	PIVOT PIN - ELEVATION CYLINDER
15	1	PL-20-469	LOCKNUT
14	1	22455	STRAIN RELIEF STRAIGHT
13	1	27342	HYD HOSE & FITTINGS KIT - ET36KX
12	1	21106	GENERIC ELECTRIC KIT - ET18/25/30/36KX
11	1	21012	PIVOT PIN - MAIN BOOM PIVOT
10	1	27157	ANTI-CHAFFING GASKET
6	1	19917	BOOM SHUT OFF SWITCH BRACKET
8	1	19918	BOOM SHUT OFF SWITCH
7	1	20896	BOOM SWITCH MOUNTING BLOCK
9	1	27156	SHIELD, HOUSING CENTER
5	1	23154-2	ELECTRICAL COMPONENT ASSEMBLY
4	1	27512	HYDRAULIC POWER UNIT
3	1	19813	ELECTRIC WINCH
2	_	21752	ELEV ATION CYLINDER
1	1	27197	BOOM FINAL ASSEMBLY
TEM NO. EXPL	LODE/QTY.	PART NUMBER	DESCRIPTION

REPLACEMENT PARTS DRAWING REF. 21084



REPLACEMENT PARTS LIST	8-6-09A	C400
ET36KX	SUPERSEDES 4-30-08	21085

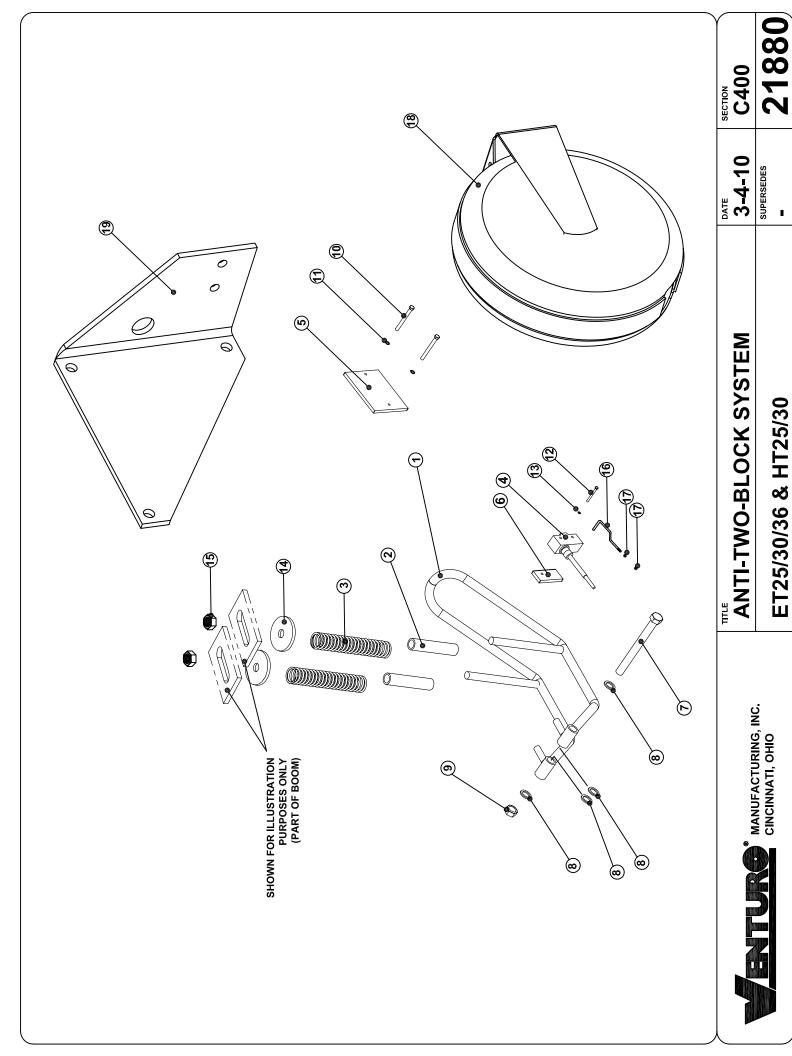


ICACS02520063-N CNTR SNK ALLEN HEAD CAP SCREW 1/4-20 X 5/8 LG W/PATCH	UHMW 063X1.75	PIN BLOCK REINFORCING	BUSHING	EXTENSION CYLINDER PIN	UHMW 044X1.50	UHMW 050X1.50	LOCK WASHER 3/8"	HEX HEAD CAP SCREW - 3/8-16 X 3/4 LONG	UHMW 063X2.13	UHMW 044X1.75	UHMW 050X1.75	ACORN NUT 1/4-20 STAINLESS	BOOM ARROW 4-7/16 LONG	SPACER, BOOM ARROW 1/2" O.D.	RETAINING RING - 3/4" SHAFT DIA.	HHCS - 7/16-14 X 5-1/2 LG	NYLON INSERT LOCK NUT - 7/16-14	ROLLER, UHMW GUIDE	FLAT, MOUNT; WIRE ROPE GUIDE	WIRE-ROPE GUIDE WELDED	LOCKNUT 3/4-10	SHEAVE AXLE 3/4 X 2 W / 1" SHANK	SHEAVE - BOOM	BEARING RETAINING BLOCK	V-BLOCK SLIDER	EXTENSION CYLINDER ROLLER	THRUST PIN - EXTENSION CYLINDER	PRIMARY BOOM WELDED ASSEMBLY	EXTENSION CYLINDER	TERTIARY BOOM ASSEMBLY	SECONDARY BOOM WELDED ASSEMBLY	DESCRIPTION
ICACS02520063-N	U063X1.75	23116	21428	21941	U044X1.50	U050X1.50	ILWSH-038	!HHCS03816075	U063X2.13	U044X1.75	U050X1.75	!ANUT-02520S	13459-2	22490	ISRNG-075	!HHCS04414550	!LNUT-04414	21560	21936	21935	ILNUT-07510	17059-6	27001	23119	23183	21498	21497	21472	21753	27167	27165	PART NUMBER
8	2	2	2	-	2	2	9	9	2	2	2	2	2	2	8	1	2	1	J	-	2	2	2	2	1	2	4	1	-	1	1	QTY.
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	6	8	7	9	5	4	က	2	1	ITEM NO.

REPLACEMENT PARTS DWG - REF 21088



ш	DATE	SECTION
27197 BOOM REPLACEMENT PARTS LIST	5-1-08	C400
	SUPERSEDES	000
ET36KX	ı	K2017

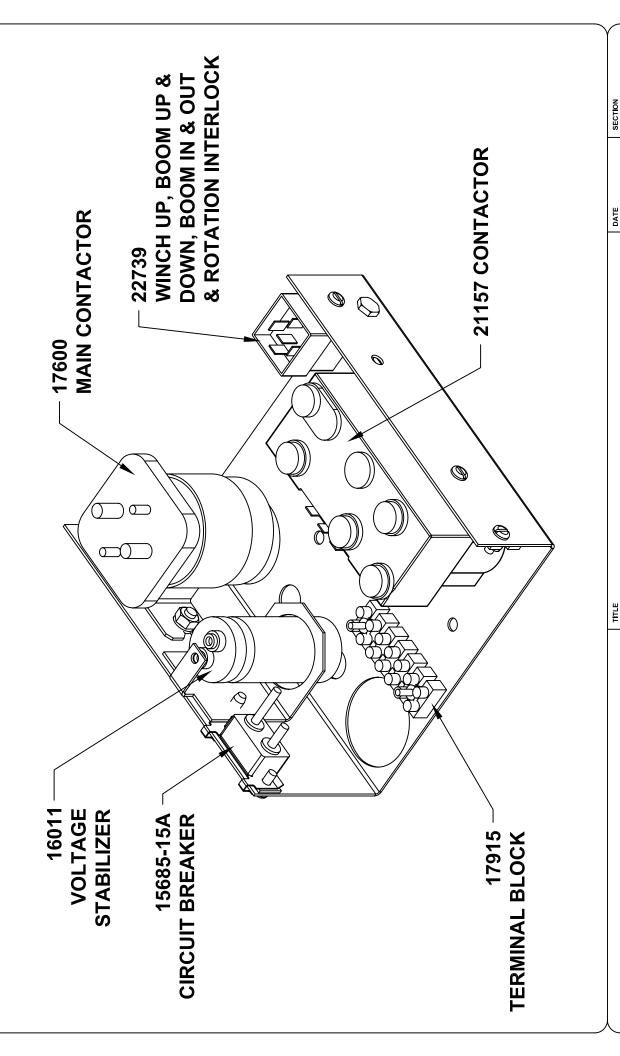


MOUNTING BRACKET - CORD REEL	CORD REEL	LOCKNUT W/ NYLON INSERT - 4-40	ROD ASSY, ADJUSTABLE A2B	t LOCKNUT W/ NYLON INSERT - 7/16-14	FLAT WASHER - 1/2" USS	STAR EXTERNAL STAR LOCK WASHER - #06	100 PAN HD CAP SCREW - #6-32 x 1	LOCK WASHER - #10	125 PAN HD CAP SCREW - #10-24 x 1-1/4	IN HEX JAM LOCKNUT - 7/16-14	AE FLAT WASHER - 7/16 SAE	.450 HEX HD CAP SCREW - 7/16-14 x 4-1/2	BASE - NEOPRENE	COVER PLATE	ANTI-TWO BLOCK SWITCH	SPRING	SPRING LOCATING TUBE	ANTI - TWO - BLOCK CAGE ASSEMBLY	TESCEIDTION OF
27583	27310	ILNUT-#0440	27624	!LNUT-04414	iFWSH-050	ILWSH-#06-STAR	iPHCS#0632100	ILWSH-#10	iPHCS#1024125	13NUT-04414N	IFWSH-044SAE	1HHCS04414450	27696	86927	19376	27586	27579b	21870	CACMIN TOAC
	_	2	_	2	2	_	1	2	2	_	4	_	_	_	_	2	2	1	EVBLODED/OTV
19	18	17	16	15	14	13	12	1	10	6	∞	7	9	2	4	က	2	1	



ште	DATE	SECTION
ANTI-TWO-BLOCK SYSTEM	3-4-10	C400
	SUPERSEDES	,0070
ET25/30/36 & HT25/30	1	7188

23154-2 ELECTRICAL COMPONENT ASSEMBLY



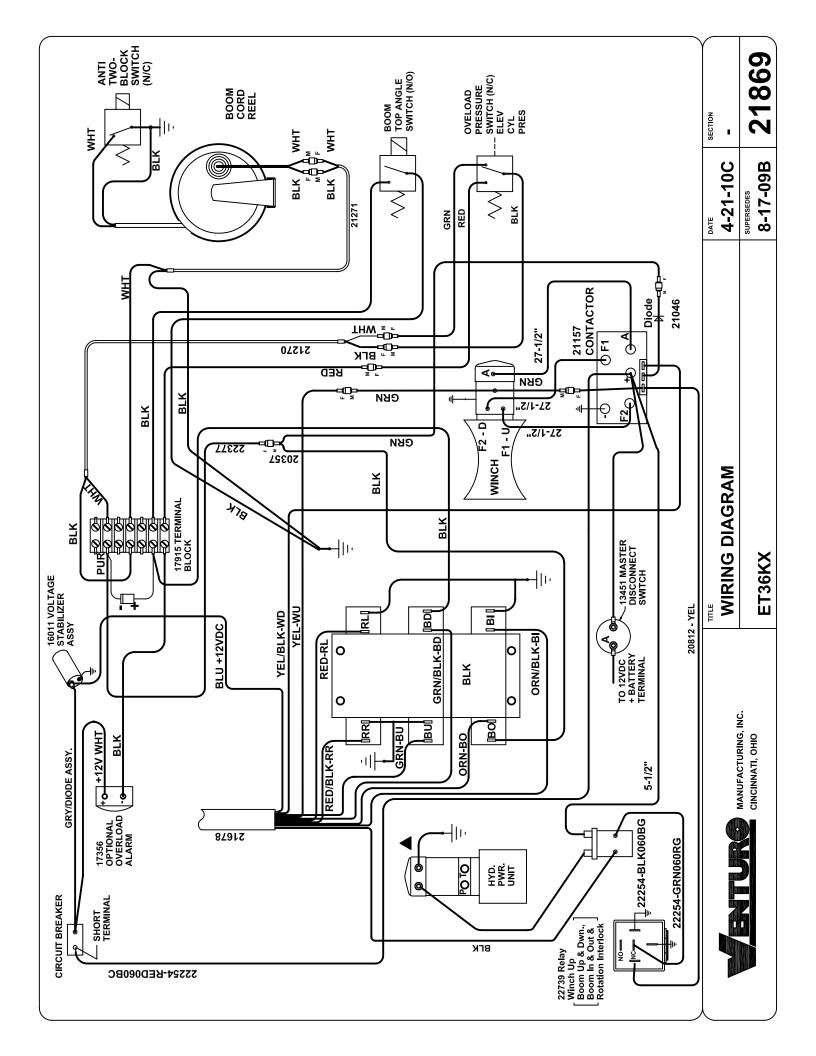
21776

10-9-09

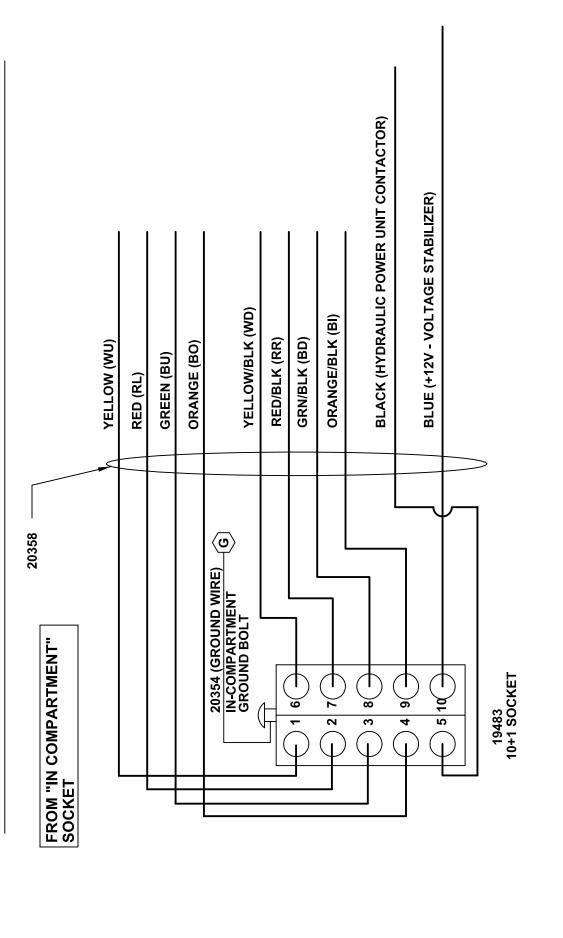
ELECTRICAL COMPONENT ASSEMBLY

ET25/30/36KX

MANUFACTURING, INC. CINCINNATI, OHIO



ET25/30/36KX IN-COMPARTMENT CONTROLS



NOTE: BLUE/BLK WIRE OF 20358 HARNESS NOT USED



MPARTMENT CONTROLS	ET25/30/36KX CRANE
IN-COMPARTIN	ET25/30/36KX

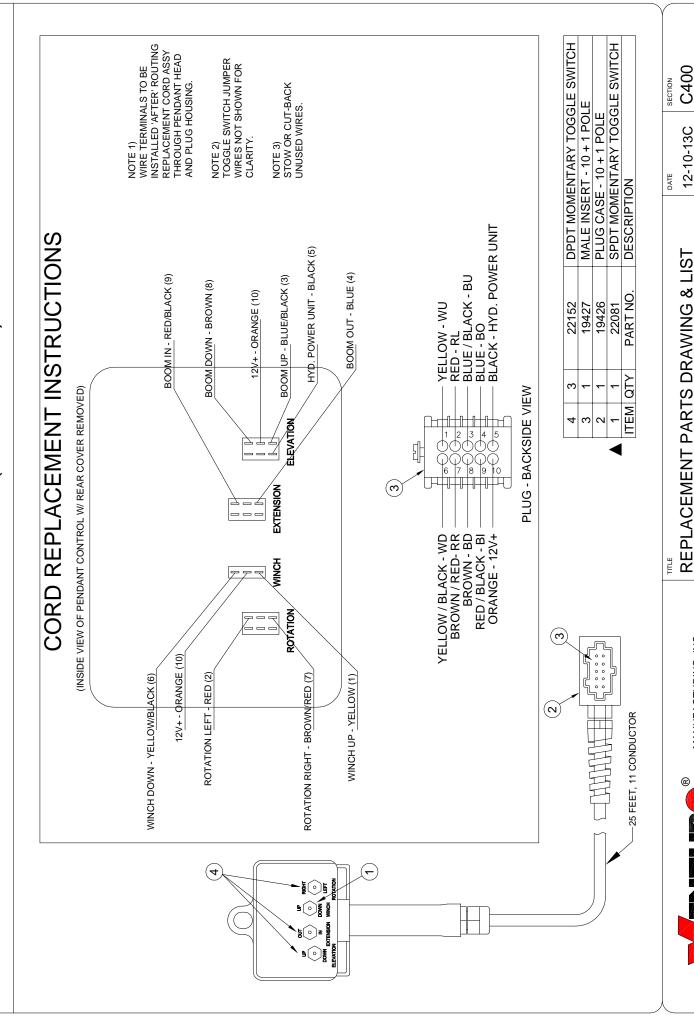
20359

4-12-02

SECTION

1-19-05A

22060 PENDANT (4 - SWITCH)



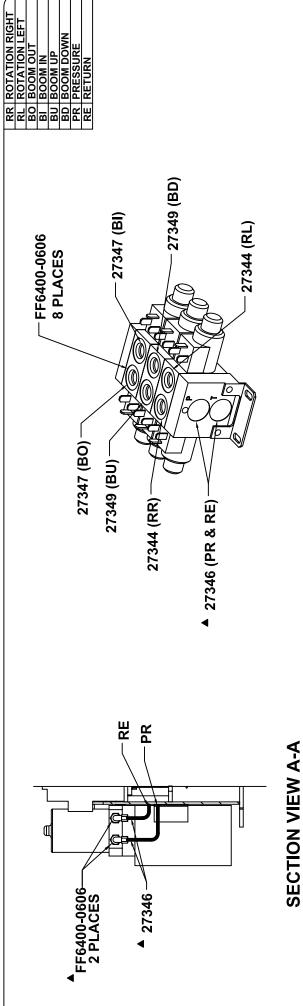
22076

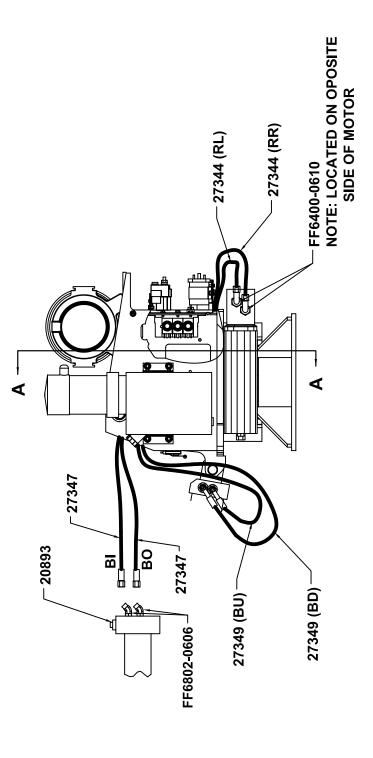
09-28-12B

22060 PENDANT (STANDARD CONTROL)

MANUFACTURING, INC.

CINCINNATI, OHIO





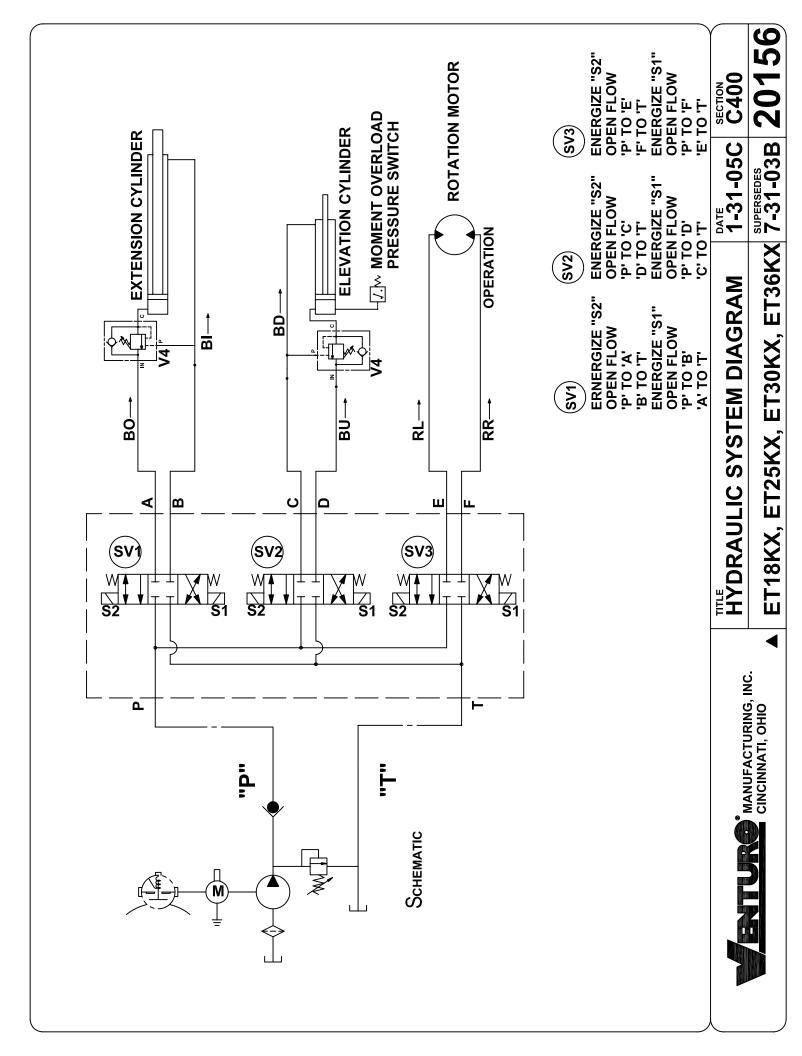


REPLACEMENT PARTS DRAWING

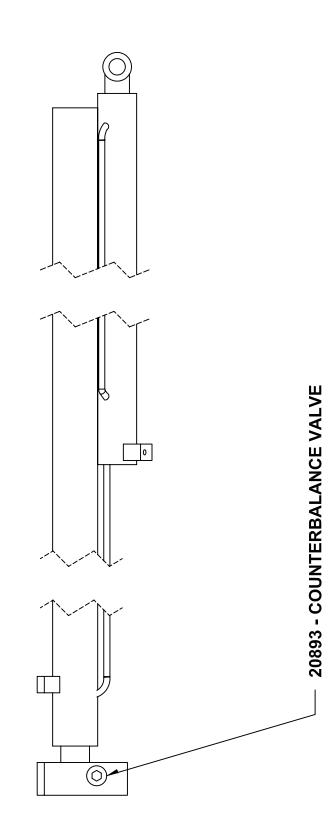
ET25/30/36KX HYD. COMPONENTS

SECTION C400 8-17-09A ылте 6-8-10В SUPERSEDES

21758



21753 EXTENSION CYLINDER



SEAL KIT P/N: 21775

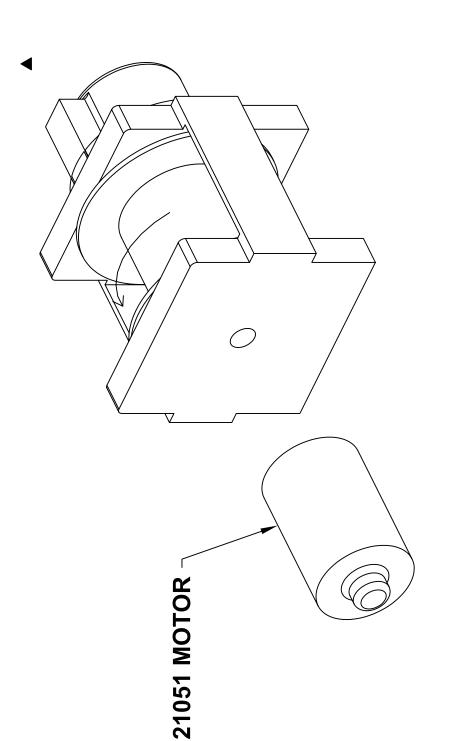


TITLE EXTENSION CYLINDER	_{рате} 4-30-09A	
HT25/30, ET36	supersedes 9-25-08	

21860

SECTION C400

19813 WINCH



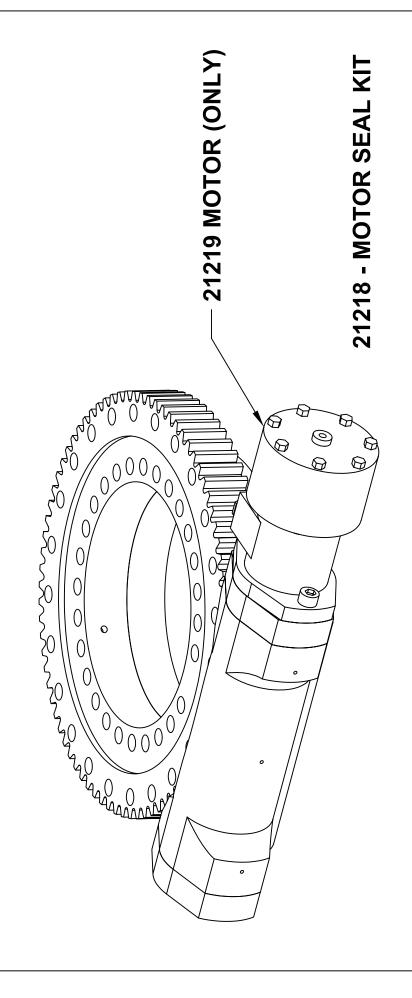


MINCH REPLACEMENT PARTS	ET25/36K(X)
WINC	ET25

21053 6-30-05A supersedes 10-27-04

SECTION

21419 SLEWING SYSTEM REPLACEMENT PARTS





SLEWING REPLACEMENT PARTS	08-24-09	
	SUPERSEDES	(
HT25/30KX, ET36KX		\

REPLACEMENT PARTS	_{рате} 08-24-09	SECTION
X, ET36KX	SUPERSEDES	21887

21866 DECAL KIT

PAKI NO.	QTY.	PART NO. QTY. DESCRIPTION
14473-2	2	DECAL, GREASE
17389	2	DECAL, VENTURO - MEDIUM
15401	1	DECAL, UNLAWFUL TO OPERATE
27199-2	_	DECAL, BOOM CAPACITY ET36KX LEFT
27199-1	_	DECAL, BOOM CAPACITY ET36KX RIGHT
21868	2	DECAL, MODEL NAME DECAL ET36KX
15392	-	DECAL, DANGER ELECTROCUTION HAZARD
15391	1	DECAL, CRANE NOT PASSENGER LIFT
15390	1	DECAL, CAUTION, INSTRUCTIONS
15513	1	ON / OFF PLATE DECAL
13397	_	DECAL, OIL LEVEL
21082	_	INST. DWG DECAL PLACEMENT
20051	_	DECAL, ROTATION STOP LOCATION
20174	_	DECAL, GROUND CABLE ATTACH TO TRUCK FRAME
27608-1	-	PINCH POINT DECAL - LEFT
27608-2	1	PINCH POINT DECAL - RIGHT
27609	1	PENDANT CORD HOOK DECAL



FIELD SERVICE LABEL KIT

ET36KX

7-16-09A C400 SUPERSEDES 2-11-09 218(

21867



LIMITED WARRANTY POLICY

This limited policy warrants new products of Venturo be free from defects in material and workmanship for a period of one (1) year from date of original installation. This 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.

WARRANTY CLAIMS

Venturo Manufacturing, Inc. 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 insure the installation is completed according to the manufacturer's recommendations, insure 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 products without the expressed written consent of the manufacturer. Reinstallation 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 again be instructed as to the safe operation at time of delivery. Maintenance, service, operation and safety warning decals are available on request from Venturo Manufacturing, Inc.

VENTURO MANUFACTURING, INC

DIVISION OF COLLINS ASSOCIATES, INC
12110 BEST PLACE • CINCINNATI, OHIO 45241
513.772.8448
www.venturo.com