

INST-25420

25100-CD(DS)(-LC)

PARTS & INSTALLATION MANUAL 25100-CD(DS)(-LC)

Included in this manual:

25100-CD(DS)(-LC)

- Stabilizer with Manual Pullout and Crank-Down Legs
- Available in "Less Crosstube" (-LC) configuration

VENCO VENTURO INDUSTRIES LLC 12110 BEST PLACE | CINCINNATI, OHIO 45241

800-226-2238



25100-CD(DS)(-LC)

7607200A 25480 25486 25491 25487 25492 25484-1 25430 25485 25428-1 25422 25423 25424 25425 25426 25427	SECTION 200: INSTALLATION INSTALLATION GUIDELINES ISOMETRIC VIEW - 25100-CD ISOMETRIC VIEW - 25100-CDDS OVERALL DIMENSIONS - 25100-CDD OVERALL DIMENSIONS - 25100-CDDS RECOMMENDED MOUNTING TO TRUCK FRAME SMALL PARTS IMAGE - 25100-CD DEPARTURE ANGLE, REAR-MOUNTED STABILIZERS MOUNTING THE LEGS WHEEL AXLE OVERVIEW WHEEL AXLE WELDING - 1 OF 2 WHEEL AXLE WELDING - 2 OF 2 ASSEMBLY OF 25100-CD LCT - 1 OF 3 ASSEMBLY OF 25100-CD LCT - 2 OF 3 ASSEMBLY OF 25100-CD LCT - 3 OF 3
7607400A	SECTION 400: REPLACEMENT PARTS
25421	25100-CD REPLACEMENT PARTS LIST
25429	25100-CD(-LC) REPLACEMENT PARTS DWG
25493	25100-CDDS REPLACEMENT PARTS DWG

12-00073_VNT1 WARRANTY PAGE

SECTION 200

INSTALLATION



STABILIZER INSTALLATION GUIDELINES

Read instructions completely prior to starting installation. If this unit is to be installed on a Venturo crane body, continue to the stabilizer assembly section of this manual.

Prior to mounting the stabilizer crosstube, orient the stabilizer so the longer pullout is on the crane side of the truck.

REAR MOUNTED

Crosstube should be centered at the rear of the truck and tied into the truck frame, body longsills, and crane support. Installer is responsible for proper mounting brackets and hardware that will be needed during this process. If unit is to be mounted on a service body, do not attach crosstube to body sheet metal unless otherwise specified. Allow clearance between crosstube and body for the stabilizer legs to be fully retracted. Consult chassis up-fitter guide prior to installation for proper welding and bolting procedures to chassis.

See the 'RECOMMENDED MOUNTING TO TRUCK FRAME' page

Leg installation (refer to assembly section of manual) legs are adjustable to maintain proper ground penetration of 4" to 6". The stabilizer is designed to level the truck and not lift the chassis off of the ground. They are designed to work in conjunction with the chassis suspension to stabilize the unit with the bulk of the load being supported by the chassis suspension and tires. Tires must be set at the proper pressure according to the chassis manufacture, stabilizers fully extended, and legs deployed on firm, level ground prior to crane use.

IMPORTANT - When legs are fully retracted in the stowed position, a 15° degree departure angle between the bottom of the rear tire and the lowest point of the stabilizer is recommended.

See the 'DEPARTURE ANGLE' page

For hydraulic stabilizers, the control valve and selector valve are supplied in kit. It is the installer's responsibility to supply necessary hoses and fittings between these valves and stabilizer. Refer to proper hydraulic schematic for your particular stabilizer model.

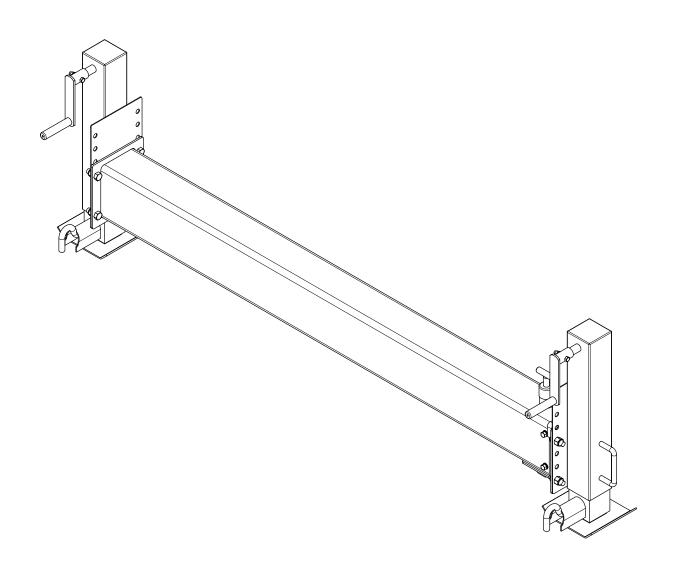
IMPORTANT - The selector valve is designed to separate the crane and stabilizer hydraulic circuits. This will not allow stabilizer use while in crane mode.

FRONT MOUNTED

Front mounted crosstube will be located on top of the chassis frame and welded to body longsills. Additional shear plates (installer supplied) to be welded to crosstube and bolted to chassis frame. Crosstube to be spaced away from body for leg clearance when fully retracted. See assembly section of manual for pullout and leg installation detail.

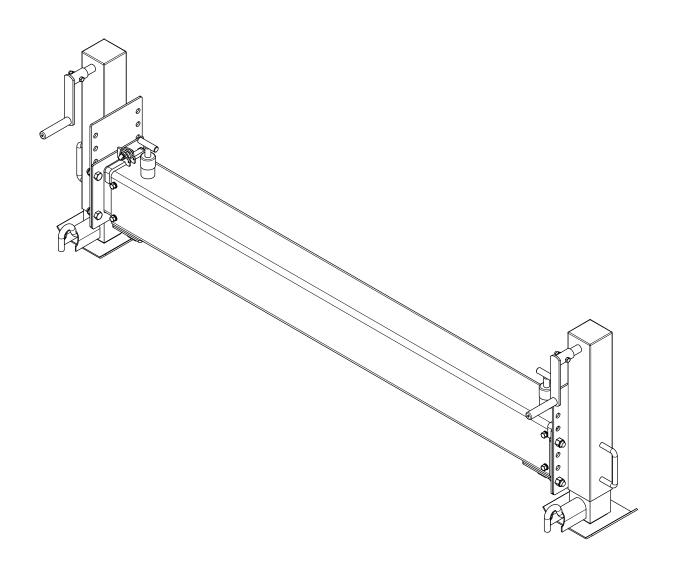


INSTALLATION GUIDELINES	12-08-23A	C200
STABILIZERS	SUPERSEDES 01-17-17	25480



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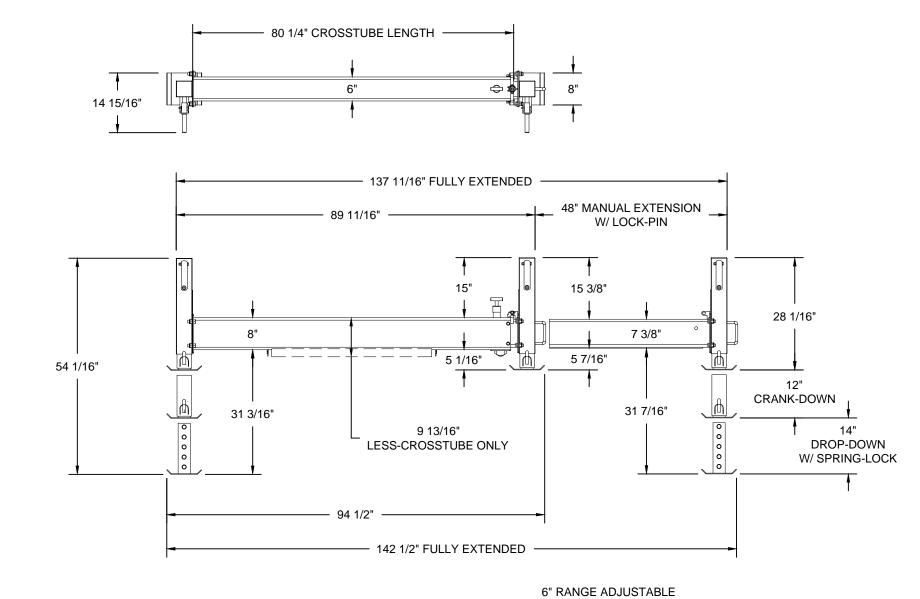
IOOMETRIC VIEW	DATE 01-19-17	PAGE 02
25100-CD OUTRIGGER	SUPERSEDES	25486



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ISOMETRIC VIEW	11-02-17	PAGE 03	
25100-CDDS OUTRIGGER	SUPERSEDES -	25491	

VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

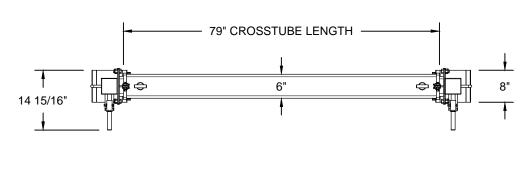


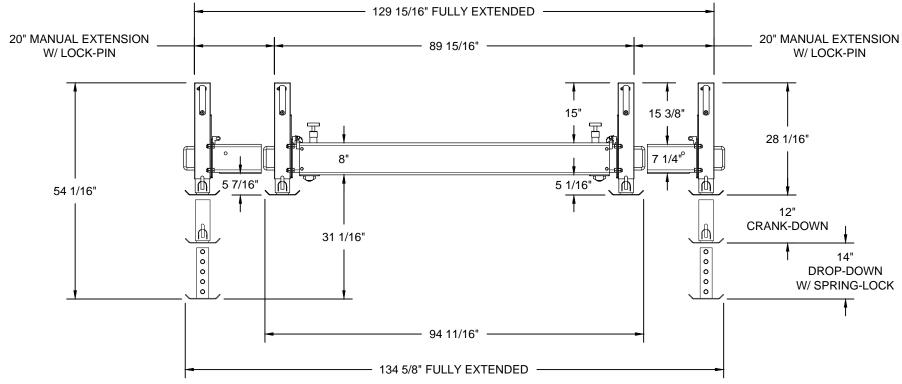
HIGHEST LEG MOUNT SHOWN

6" RANGE ADJUSTABLE FOR LEG MOUNTING AT 2" INCREMENTS



;	OVERALL DIMENSIONS	11-02-17B	04
	25100-CD OUTRIGGER	SUPERSEDES 02-01-17A	25487





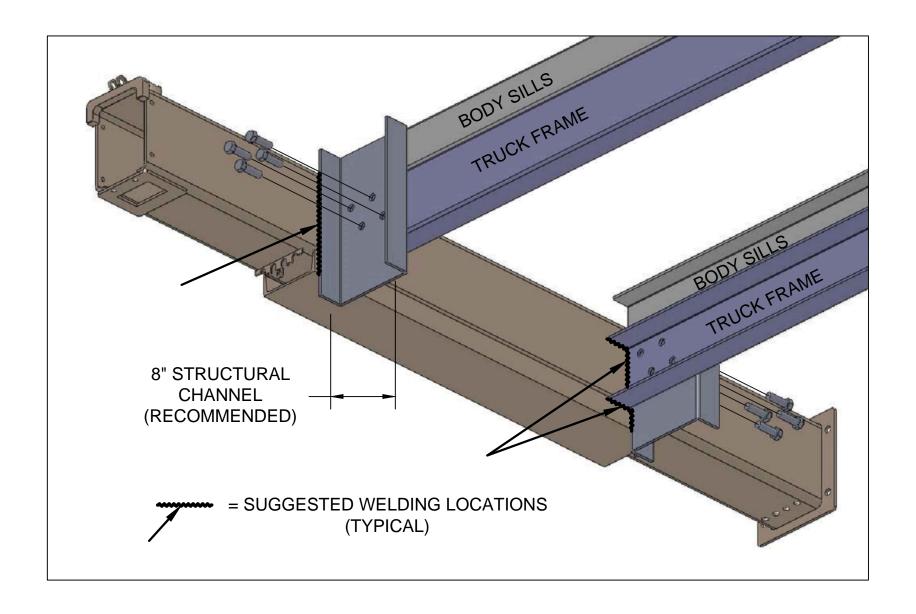
HIGHEST LEG MOUNT SHOWN

6" RANGE ADJUSTABLE FOR LEG MOUNTING AT 2" INCREMENTS

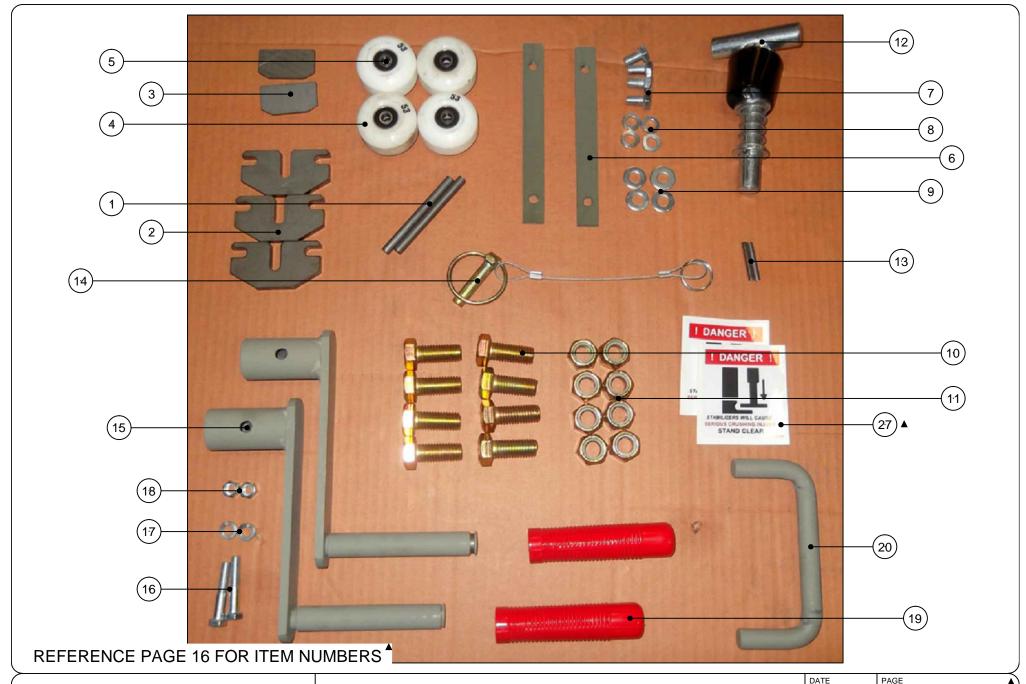


CINCINNATI, OHIO

LC	OVERALL DIMENSIONS	11-02-17	05
	25100-CDDS OUTRIGGER	SUPERSEDES -	25492



® VENCO VENTURO INDUSTRIES LLC	RECOMMENDED MOUNTING TO TRUCK FRAME	11-02-17A	06
ENTURO VENEDO VENEDO INDUSTRIES LLO CINCINNATI, OHIO		SUPERSEDES	054044
	25100 SERIES OUTRIGGERS	01-19-17	25484-1





VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

SMALL PARTS IMAGE	11-02-17B	07
25100 CD OUTDICCEDS	SUPERSEDES	25430
25100-CD OUTRIGGERS	01-19-17A	20400

RECOMMENDED DEPARTURE ANGLE



`				
(DATE	PAGE
	* VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO	RECOMMENDED DEPARTURE ANGLE	08-25-22A	-
			SUPERSEDES	05405
$\left(\right.$		REAR MOUNTED OUTRIGGERS	01-18-17	25485

MOUNTING THE OUTRIGGER LEGS, 25100 SERIES OUTRIGGERS

FOLLOW INSTRUCTIONS FOR MOUNTING 25100 SERIES OUTRIGGER LEGS.

- ▲ 1. DETERMINE PLACEMENT OF OUTRIGGER LEGS. REFER TO MODEL SPECIFIC 'OVERALL DIMENSIONS' PAGE.
 - 2. USE HARDWARE & FASTENERS PROVIDED (REFERENCE IMAGE BELOW):

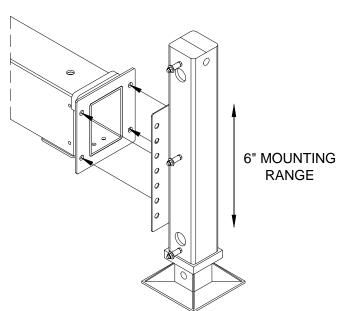
[8] HEX HEAD CAP SCREW; 5/8-11 X 1-1/2", GR. 8, ZINC

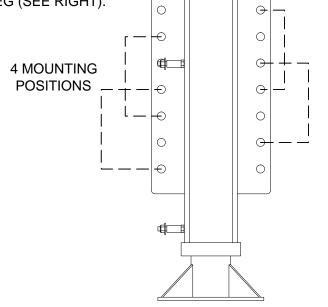
[8] LOCK NUT; 5/8-11, GR. 8, ZINC, NYLON-INSERT

3. INSERT BOLTS POINTING AWAY FROM OUTRIGGER (REFERENCE IMAGE BELOW).

4. TORQUE OUTRIGGER LEG BOLTS & NUTS TO 190 FT-LBS EACH.

5. PLACE 24964 DANGER DECAL, [1] ON EACH LEG (SEE RIGHT).



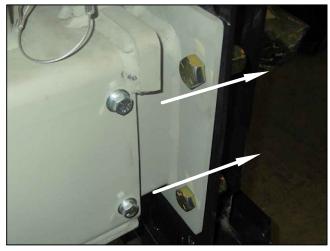


DECAL

PLACEMENT

Į.



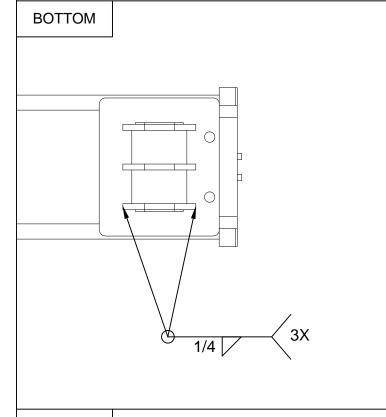


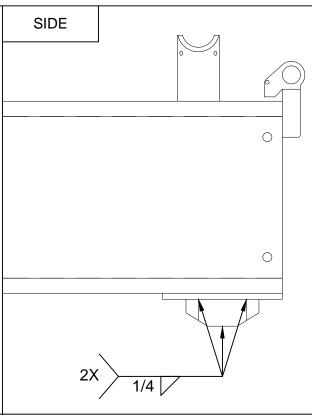
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	DATE	PAGE
MOUNTING THE LEGS	11-02-17B	09
	SUPERSEDES	054004
25100 SERIES OUTRIGGERS	01-19-17A	25428-1

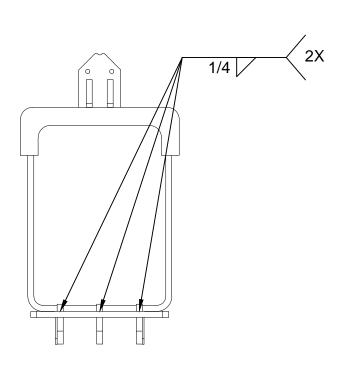
OVERVIEW OF WHEEL AXLE SUPPORTS & KEEPERS, 25100 SERIES OUTRIGGERS

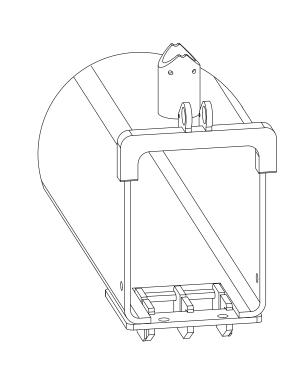
REVIEW ILLUSTRATIONS & PROCEEDING STEPS BEFORE WELDING AXLE SUPPORTS & KEEPERS ON CROSSTUBE.





FRONT





ENTURO[®]

VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO WHEEL AXLE OVERVIEW

DATE
11-02-17B

10

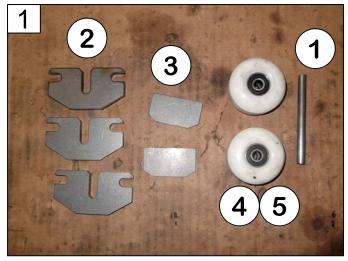
25100 SERIES OUTRIGGERS

01-19-17A

DATE
10

25422

WELDING THE WHEEL AXLE SUPPORTS & KEEPERS ASSEMBLY



PARTS NEEDED FOR WELDING AXLE SUPPORTS & KEEPERS

REFERENCE PAGE 16 FOR ITEM NUMBERS



REFERENCE FOR PLACING AXLE SUPPORTS



PLACE [2] AXLE SUPPORTS FLUSH TO SIDES PULL SUPPORTS BACK EVENLY



MAKE [4] TACKS ON ENDS OF SUPPORTS ENSURE AXLE ROD FITS



PLACE LAST AXLE SUPPORT CENTERED



PLACE EACH AXLE KEEPER ON OUTSIDE OF SUPPORTS FLUSH WITH EDGES EVEN



WHEEL AXLE WELDING

25100 SERIES OUTRIGGERS

DATE
11-02-17B

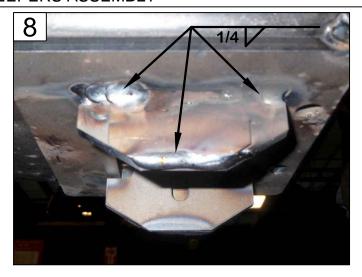
11

25423

WELDING THE WHEEL AXLE SUPPORTS & KEEPERS ASSEMBLY



MAKE [2] TACKS ON EACH AXLE KEEPER



WELD EACH KEEPER TO CROSSTUBE & AXLE SUPPORTS



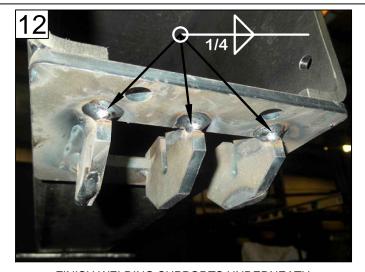
SETUP WHEELS & AXLE



KEEP LAST AXLE SUPPORT CENTER USE WHEELS & AXLE TO ENSURE FIT



MAKE [2] TACKS TO CENTER SUPPORT



FINISH WELDING SUPPORTS UNDERNEATH ALL AROUND



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	DATE	PAGE
WHEEL AXLE WELDING	11-02-17B	1 1 1
	SUPERSEDES	05404
25100 SERIES OUTRIGGERS	01-19-17A	25424

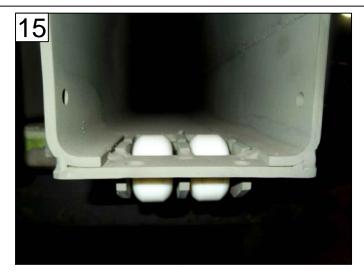
ASSEMBLY OF 25100-CD OUTRIGGER WITH LESS-CROSSTUBE CONFIGURATION



SETUP WHEELS & AXLES, [2] SETS PAGE 16 - ITEMS 1, 4, & 5



INSERT [1] SET INTO PULLOUT



INSERT [1] SET INTO CROSSTUBE



SLIDE PULLOUT INTO CROSSTUBE



FASTEN NUT BAR RETAINERS ON BOTH SIDES PAGE 16 - ITEMS 6, 7, 8, & 9



LINE-UP HOLES ON PULLOUT & CROSSTUBE

DATE



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LESS-CROSSTUBE ASSY		
25100-CD OUTRIGGERS		

11-02-17B 13 SUPERSEDES 01-19-17A 25425

PAGE

ASSEMBLY OF 25100-CD OUTRIGGER WITH LESS-CROSSTUBE CONFIGURATION



INSERT ROLL PINS PAGE 16 - ITEM 13



GREASE T-HANDLE'S SPRING PAGE 16 - ITEM 12



PLACE T-HANDLE AS SHOWN



PUSH SPRING-LOADED WASHER DOWN



DRIVE ROLL PINS THROUGH FLUSH ON BOTH ENDS



COVER WITH RUBBER BOOT



VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

LESS-CROSSTUBE ASSY		
	3	

DATE PAGE 11-02-17B

14

ASSEMBLY OF 25100-CD OUTRIGGER WITH LESS-CROSSTUBE CONFIGURATION



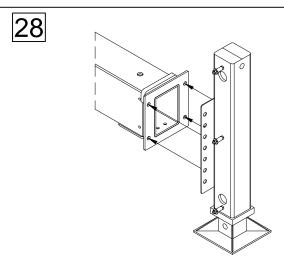
ATTACH SECURITY PIN KEY-RING ON EITHER TAB PAGE 16 - ITEM 14



INSERT PIN THROUGH ALL TABS



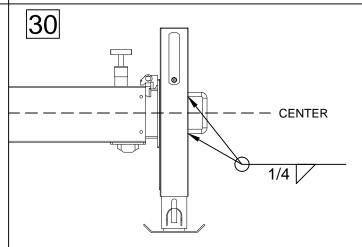
ENSURE CLAMP MEETS PIN



SEE 'MOUNTING THE OUTRIGGER LEGS' PAGE



FASTEN CRANK HANDLES TO LEGS PAGE 16 - ITEMS 15, 16, 17, 18, & 19



WELD C-HANDLE ON PULLOUT LEG, CENTER TO PULLOUT PAGE 16 - ITEM 20



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	DATE	PAGE A E
LESS-CROSSTUBE ASSY	11-02-17B	15
	SUPERSEDES	05.407
25100-CD OUTRIGGERS	01-19-17A	25427

SECTION 400

REPLACEMENT PARTS

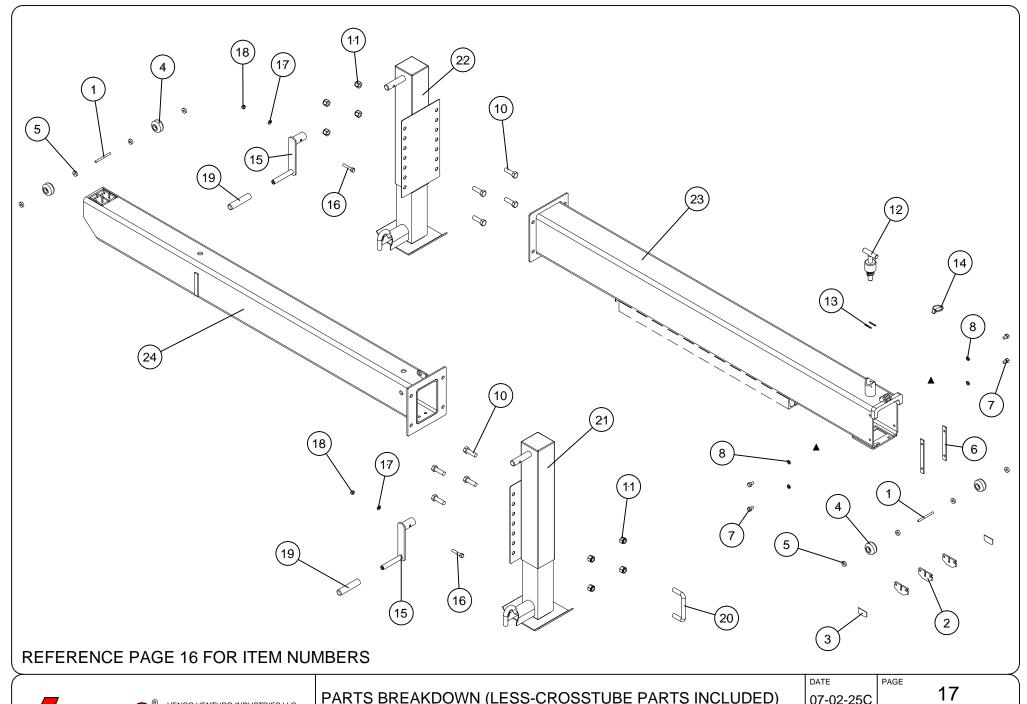


PARTS BREAKDOWN, 25100-CD OUTRIGGERS (LESS-CROSSTUBE PARTS INCLUDED)

		25100-CD OUTRIGGERS PARTS BREAKDOWN	CD(-LC)	CDDS	< DASH CFG
	#	DESCRIPTION	Q.	TY	PART#
	1	AXLE	2	4	25090
	2	AXLE SUPPORT	3	6	25097
	3	AXLE KEEPER	2	4	25091
	4	WHEEL	4	8	25082
	5	WHEEL BEARING	8	16	25078
	6	NUT BAR RETAINER	2	4	25065
A	7	HEX HEAD CAP SCREW; 3/8-16 X 1/2, GR. 5	4	8	!HHCS03816050
	8	LOCK WASHER; 3/8, GR. 5	4	8	!LWSH-038
•	9	-	-	-	-
	10	HEX HEAD CAP SCREW; 5/8-11 X 1-1/2, GR. 8	8	8	!HHCS06311150-8
	11	LOCK NUT; 5/8-11, GR. 8, NYLON INSERT	8	8	!LNUT-06311-8
	12	T-HANDLE LOCKING PIN	1	2	22668
	13	ROLL PIN; 3/16 X 1-3/8, STAINLESS STEEL	2	4	!RPIN-019138-SS
	14	SECURITY PIN ASSEMBLY	1	2	24981
	15	WELDED CRANK HANDLE	2	2	19009
	16	HEX HEAD CAP SCREW; 5/16-18 X 1-3/4, GR. 5	2	2	!HHCS03118175
	17	LOCK WASHER; 5/16, GR. 5	2	2	!LWSH-031
	18	HEX NUT; 5/16-18, GR. 5	2	2	!HNUT-03118
	19	HANDLE GRIP, RED, RUBBER	2	2	16-00064
	20	C-HANDLE, PULLOUT LEG	1	2	19344
	21	LEG; CRANK-DOWN, 25100 SERIES, RIGHT	1	1	25133-1
	22	LEG; CRANK-DOWN, 25100 SERIES, LEFT	1	1	25133-2
	23	CROSSTUBE; 25100-CD OUTRIGGERS	1		25085-3
	24	PULLOUT; 4' EXT., 25100-CD/PH O.R.'S	1	-	25087-1
	25	CROSSTUBE; 25100-CDDS OUTRIGGER	-	1	25085-9
	26	PULLOUT; 20" EXT., 25100-CCDS O.R.	-	2	25087-3
	27	DECAL; DANGER, CRUSHING INJURY	2	2	24964



PARTS BREAKDOWN	07-02-25D	16
	SUPERSEDES	25/21
25100-CD OUTRIGGERS	11-02-17C	Z34Z I



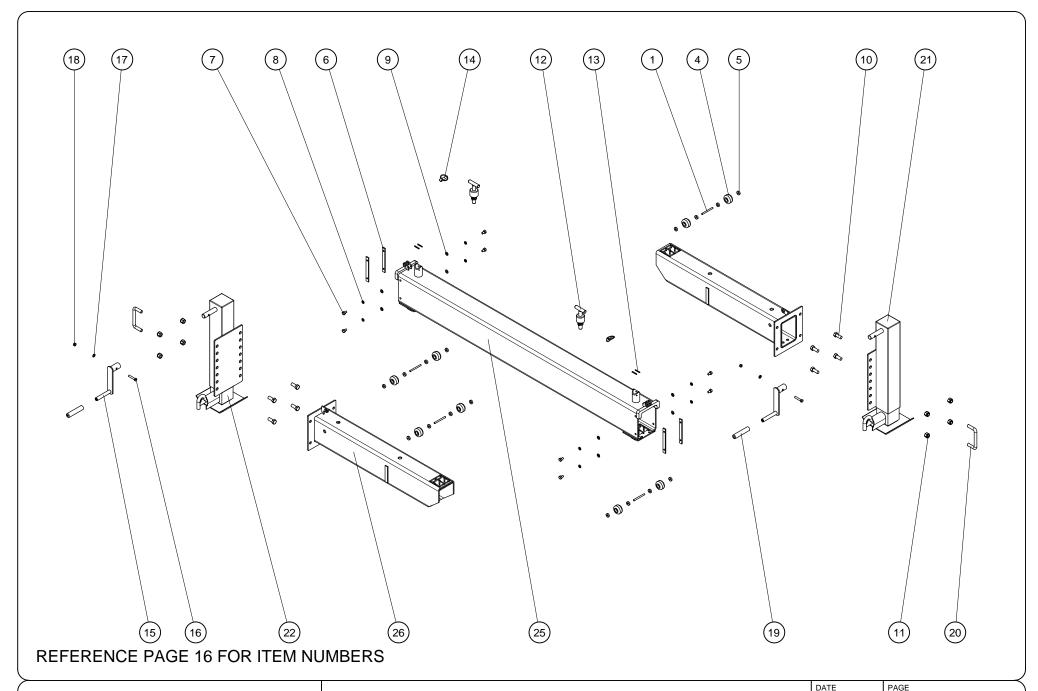
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VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

PARTS BREAKDOWN (LESS-CROSSTUBE PARTS INCLUDED)
25100-CD(-LC) OUTRIGGERS

07-02-25C SUPERSEDES 11-02-17B

25429



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VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

PARTS BREAKDOWN	11-02-17	18
25100-CDDS OUTRIGGER	SUPERSEDES -	25493

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

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