

INST-25460

25100-PH(E)(-LC)

PARTS & INSTALLATION MANUAL 25100-PH(E)(-LC)

Included in this manual:

25100-PH(E)(-LC)

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

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

OHIO 45241 0-226-2238 **VENTUR**

25100-PH(E)(-LC) INST-25460 - 11/24/2025 (Rev: B1)

7607200A 25480 25481 25482 25483 25484 25467 25447-1 25472 25473 25474 15660-1 25485 25428-3 25422-1 25423-1 25424-1 25468 25469 25470 25471	SECTION 200: INSTALLATION INSTALLATION GUIDELINES ISOMETRIC VIEW - 25100-PH OVERALL DIMENSIONS - 25100-PH-SL OVERALL DIMENSIONS - 25100-PH-LL RECOMMENDED MOUNTING TO TRUCK FRAME SMALL PARTS IMAGE - 25100-PH SELECTOR VALVE OVERVIEW HYDRAULIC MAPPING - 1 OF 3 HYDRAULIC MAPPING - 2 OF 3 HYDRAULIC MAPPING - 3 OF 3 BATTERY CABLES & COMPONENTS RECOMMENDED DEPARTURE ANGLE MOUNTING THE LEGS WHEEL AXLE OVERVIEW LCT ASSEMBLY - 1 OF 6 LCT ASSEMBLY - 2 OF 6 LCT ASSEMBLY - 3 OF 6 LCT ASSEMBLY - 5 OF 6 LCT ASSEMBLY - 5 OF 6 LCT ASSEMBLY - 6 OF 6
7607400A 25461 25462 25463 25464 25452-1 25453-1 25465 25466 25476 25475 25216	SECTION 400: REPLACEMENT PARTS 25100-PH REPLACEMENT PARTS LIST 25100-PH REPLACEMENT PARTS DWG PULLOUT REPLACEMENT PARTS LIST PULLOUT REPLACEMENT PARTS DWG HYDRAULIC LEGS REPL PARTS LIST HYDRAULIC LEGS REPL PARTS DRAWING 19401 H.P.U. REPLACEMENT PARTS LIST 19401 H.P.U. REPLACEMENT PARTS DWG 25477 H.P.U. REPLACEMENT PARTS DWG REPLACEMENT PARTS DWG REPLACEMENT PARTS DWG REPLACEMENT PARTS

25475 25216

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.

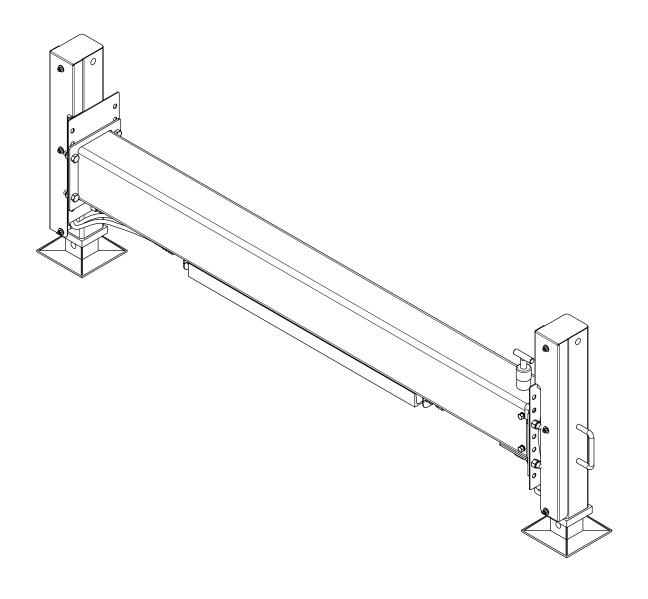
IMPORTANT - The selector valve is designed to separate the crane and stabilizer hydraulic circuits. This will not allow stabilizer use while in crane mode.

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.

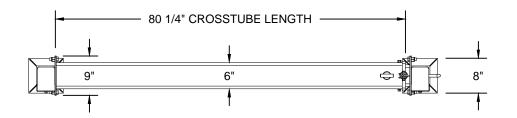


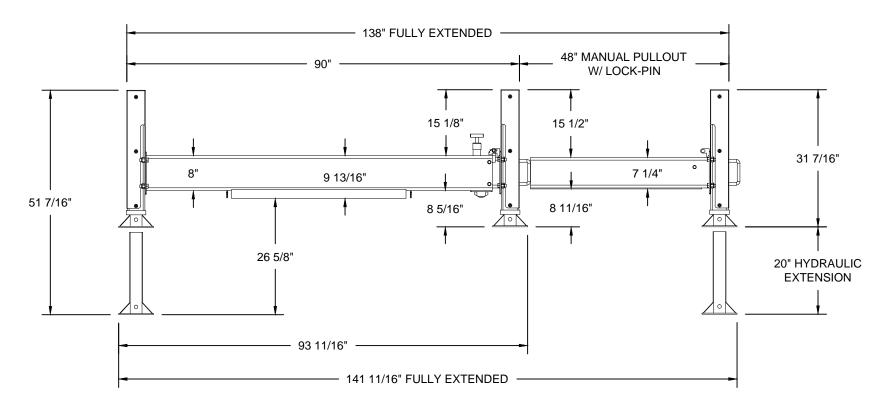
INSTALLATION GUIDELINES	12-08-23A	C200
STABILIZERS	SUPERSEDES 01-17-17	25480





ISOMETRIC VIEW	01-17-17	PAGE 02
25100-PH OUTRIGGER (WITH SHORT LEGS)	SUPERSEDES -	25481



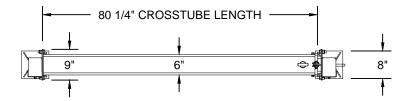


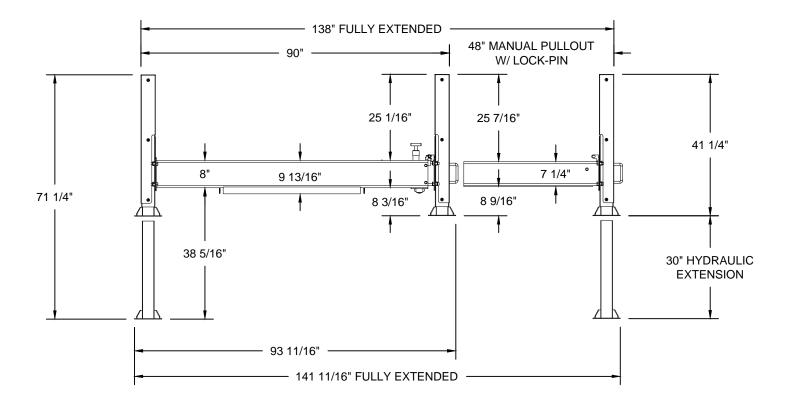
HIGHEST LEG MOUNT SHOWN

6" RANGE ADJUSTABLE FOR LEG MOUNTING AT 2" INCREMENTS



.C	OVERALL DIMENSIONS	01-17-17	03
	25100-PH OUTRIGGER WITH SHORT LEGS	SUPERSEDES -	25482



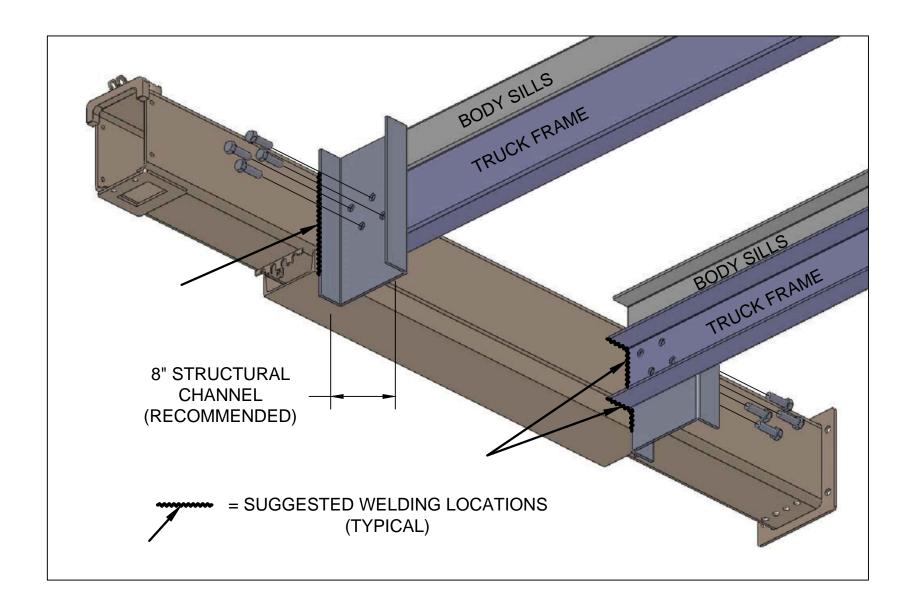


HIGHEST LEG MOUNT SHOWN

6" RANGE ADJUSTABLE FOR LEG MOUNTING AT 2" INCREMENTS



.C	OVERALL DIMENSIONS	01-17-17	04
	25100-PH OUTRIGGER WITH LONG LEGS	SUPERSEDES -	25483



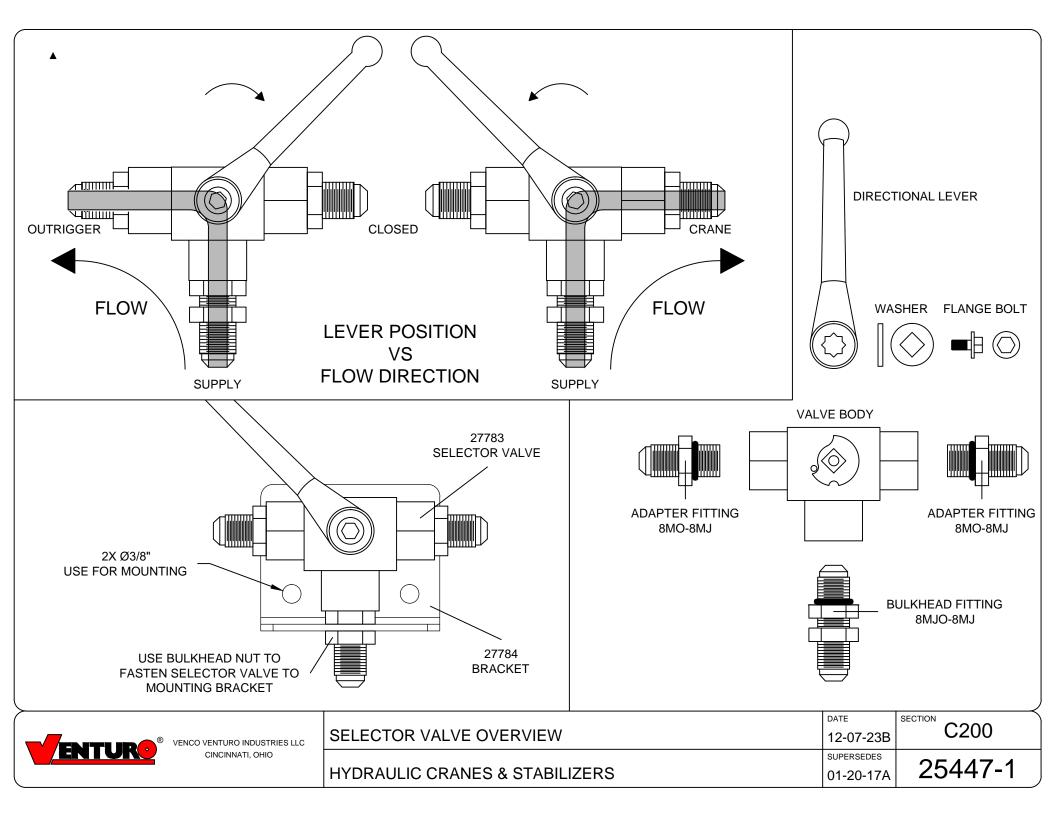
RECOMMENDED MOUNTING TO TRUCK FRAME	01-17-17	05
25100 SERIES OUTRIGGERS	SUPERSEDES -	25484

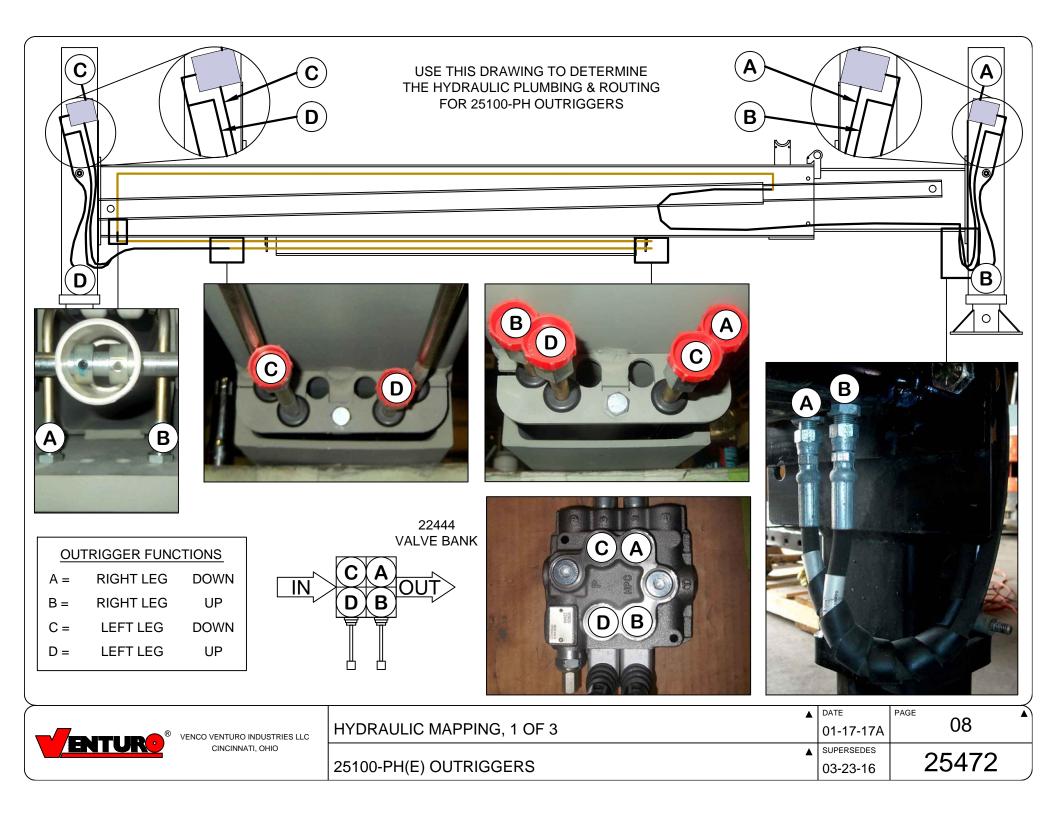


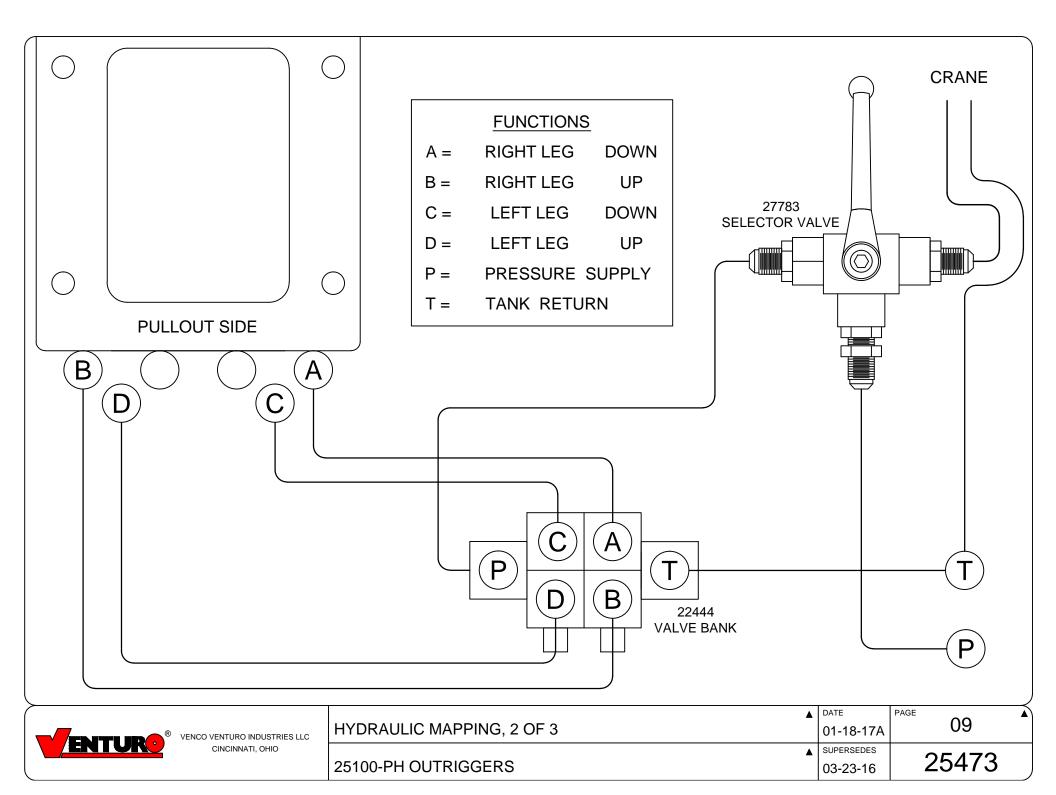
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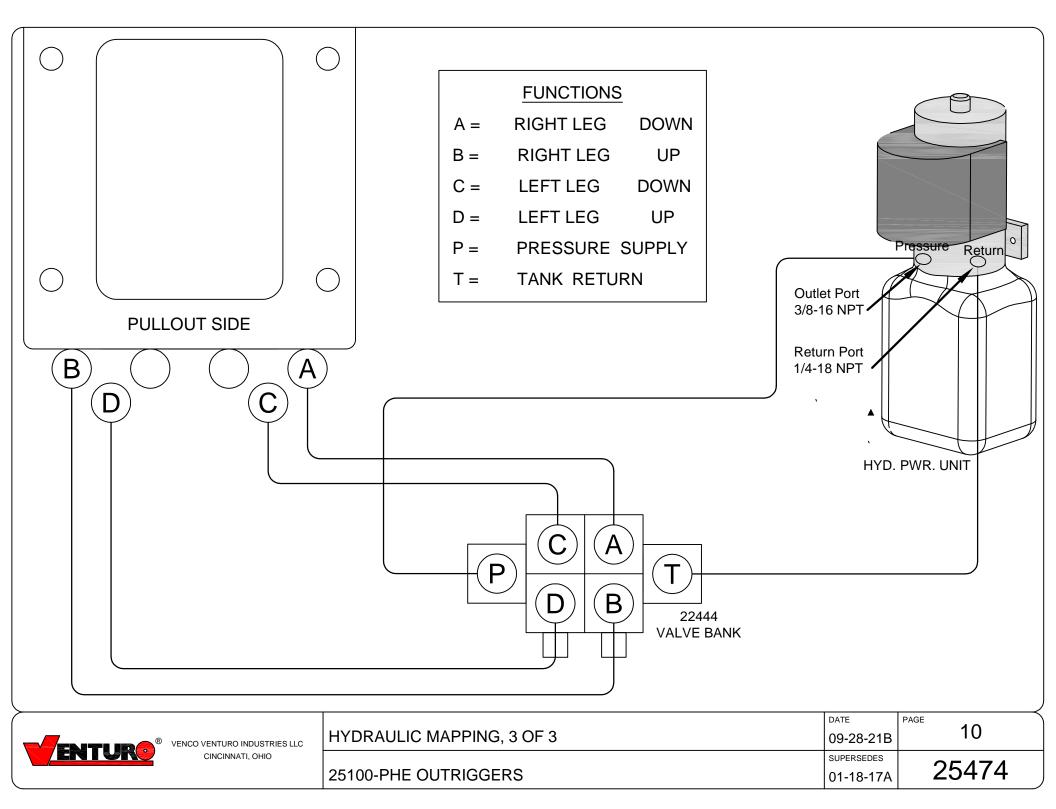
VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

SMALL PARTS IMAGE	_	01-17-17A	06
	A	SUPERSEDES	25467
25100-PH OUTRIGGERS		03-23-16	25467









BATTERY REQUIREMENTS

- - •• 625 COLD CRANKING AMPS (AT 0° F)
 - •• 160 MINUTES RESERVE CAPACITY
 - •• 102 PLATES. 105 AMP-HR
- 12 VOLT VEHICLE BATTERY REQUIREMENTS 12 VOLT AUXILIARY BATTERY REQUIREMENTS
 - •• 450 COLD CRANKING AMPS (AT 0° F)
 - •• 100 MINUTES RESERVE CAPACITY
 - •• 78 PLATES, 70 AMP-HR

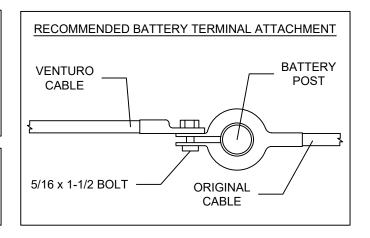
NOTE: OPERATING WITH THE VEHICLE BATTERY 'ONLY' IS PERMISSIBLE, BUT NOT RECOMMENDED.

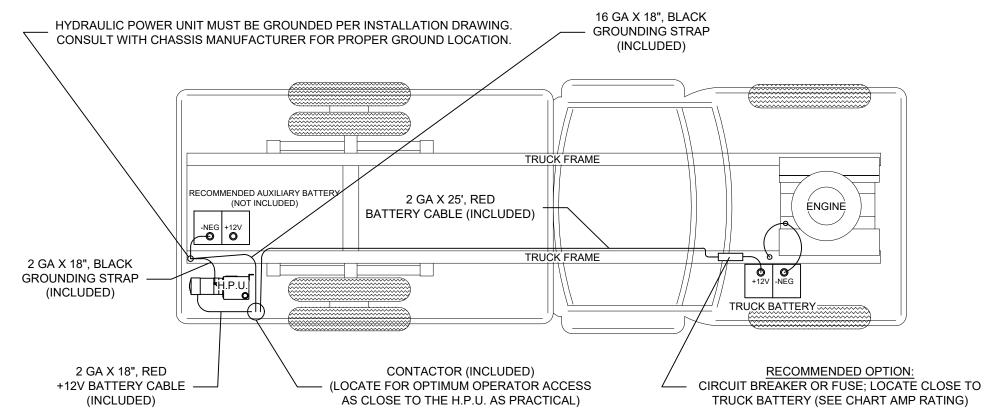
250 AMP, MANUAL RESET

RECOMMENDED CIRCUIT BREAKER HYDRAULIC POWER UNIT **DESCRIPTION**

PART NUMBER

22946-250







BATTERY CABLES & COMPONENTS INSTALLATION	03-17-23B	11 1
PHE OUTRIGGERS HYDRAULIC POWER UNIT & KIT	SUPERSEDES 01-18-17A	15660-1

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RECOMMENDED DEPARTURE ANGLE



** VENCO VENTURO INDUSTRIES LLC	RECOMMENDED DEPARTURE ANGLE	
CINCINNATI, OHIO		
	REAR MOUNTED OUTRIGGERS	

		•
DATE	PAGE	١
08-25-22A	-	
SUPERSEDES	05405	
01-18-17	25485	,
	08-25-22A SUPERSEDES	08-25-22A - SUPERSEDES 25/195

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):

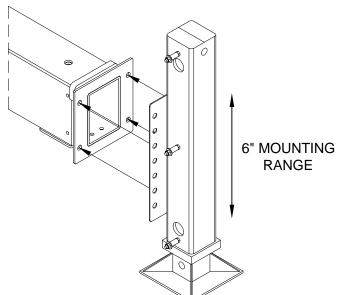
[8] HEX HEAD CAP SCREW; 5/8-11 X 1-1/2", GR. 8, ZINC

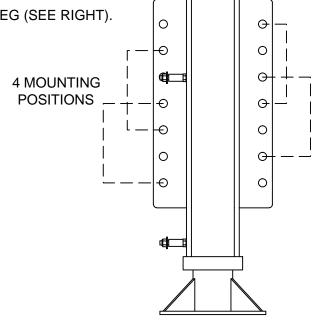
[8] LOCK NUT; 5/8-11, GR. 8, ZINC, NYLON-INSERT

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).





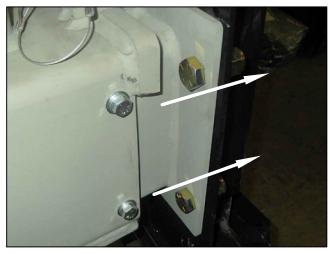
DECAL

PLACEMENT

Ţ



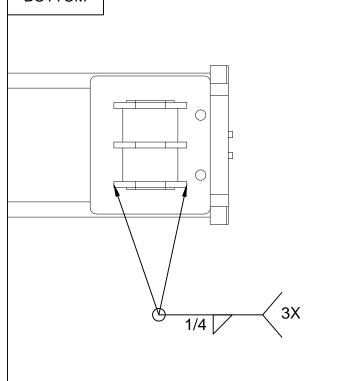
VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

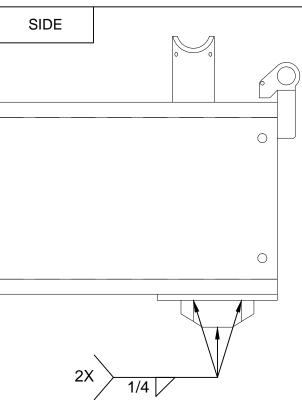


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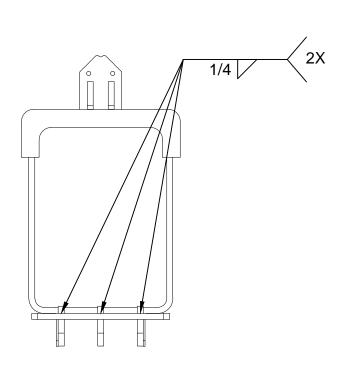
MOUNTING THE LEGS	01-18-17A	13 A
05400 050150 01170100500	SUPERSEDES	25428-3
25100 SERIES OUTRIGGERS	03-23-16	ZJ 1 ZU-J

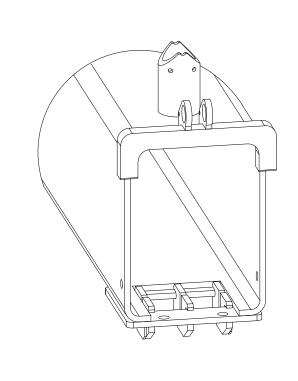
OVERVIEW OF WHEEL AXLE SUPPORTS & KEEPERS, 25100 SERIES OUTRIGGERS REVIEW ILLUSTRATIONS & PROCEEDING STEPS BEFORE WELDING AXLE SUPPORTS & KEEPERS ON CROSSTUBE. BOTTOM SIDE





FRONT

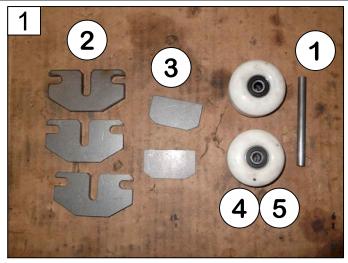




VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

WHEEL AXLE OVERVIEW	01-18-17A	PAGE 14
	SUPERSEDES	25/22 1
25100 SERIES OUTRIGGERS	03-23-16	Z34ZZ-I

WELDING THE WHEEL AXLE SUPPORTS & KEEPERS ASSEMBLY



PARTS NEEDED FOR WELDING AXLE SUPPORTS & KEEPERS REFERENCE PAGE 21 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

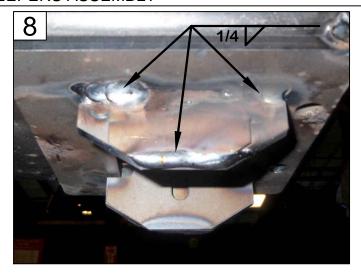


URO INDUSTRIES LLC	WHEEL AXLE WELDING	01-18-17A	15 A
CINNATI, OHIO		SUPERSEDES	054004
	25100 SERIES OUTRIGGERS	03-23-16	25423-1

WELDING THE WHEEL AXLE SUPPORTS & KEEPERS ASSEMBLY



MAKE [2] TACKS ON EACH AXLE KEEPER



WELD EACH KEEPER TO CROSSTUBE & AXLE SUPPORTS



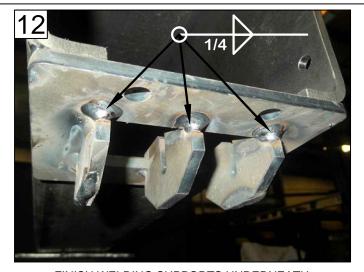
SETUP WHEELS & AXLE



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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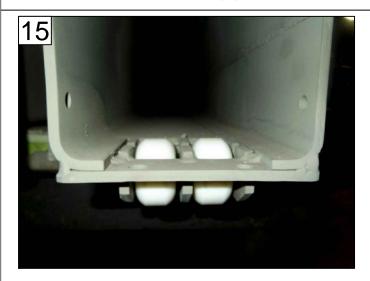
A	DATE	PAGE
WHEEL AXLE WELDING	01-18-17A	16
	SUPERSEDES	054044
25100 SERIES OUTRIGGERS	03-23-16	25424-1



SET UP WHEELS & BEARINGS WITH AXLES, [2] SETS PAGE 21 - ITEMS 1, 4, & 5



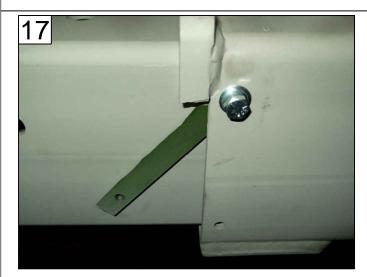
INSERT [1] SET INTO PULLOUT



INSERT [1] SET INTO CROSSTUBE



SLIDE PULLOUT INTO CROSSTUBE



FASTEN NUT BAR RETAINERS INTO CROSSTUBE PAGE 21 - ITEMS 7, 8, & 9



PUSH PULLOUT AGAINST CROSSTUBE



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|--|

01-18-17A

17

25100-PH OUTRIGGERS

SUPERSEDES 03-23-16

25468



INSERT SHAFT THROUGH PIPE, LOCK COLLARS INSIDE PAGE 21 - ITEMS 14 & 15



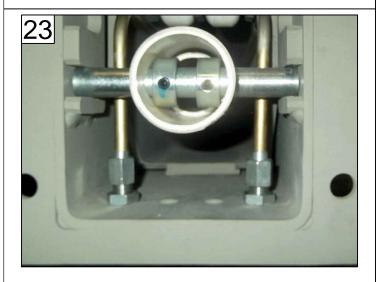
PUSH SHAFT INTO BOTTOM SLOT OF CROSSTUBE LOCTITE & FASTEN COLLARS CENTER & FLUSH



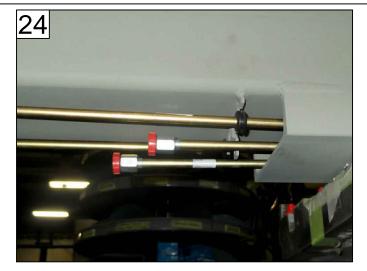
FASTEN BULKHEADS IN HOLES FURTHEST APART PAGE 21 - ITEM 13



FASTEN 60" HYDRAULIC TUBES TO BULKHEADS PAGE 21 - ITEM 22



FASTEN INNER HYDRAULIC TUBES TO BULKHEADS



PLACE 47" HYDRAULIC TUBES PAGE 21 - ITEM 23



VENTURO INDUSTRIES LLC	
CINCINNATI, OHIO	

LESS-CROSSTUBE ASSY	A	01-18-17A	PAGE 18
25100-PH OUTRIGGERS	A	SUPERSEDES 03-23-16	25469



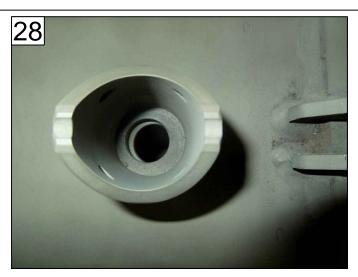
PUSH GROMMETS AROUND TUBES PAGE 21 - ITEM 24



CLAMP AROUND GROMMETS PAGE 21 - ITEM 25



FASTEN CLAMP, ITEMS 26 & 27 REPEAT STEPS 25 TO 27 FOR OPPOSITE CLAMP



LINE UP LOCK-PIN HOLES FOR PULLOUT & CROSSTUBE



INSERT ROLL PINS PAGE 21 - ITEM 10



GREASE T-HANDLE'S SPRING PAGE 21 - ITEM 11



VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

LESS-CROSSTUBE ASSY	
25100-PH OUTRIGGERS	

DATE PAGE
01-18-17A
SUPERSEDES

19

03-23-16 25470



PLACE T-HANDLE
PUSH SPRING-LOADED WASHER DOWN



DRIVE ROLL PINS THROUGH FLUSH ON BOTH ENDS



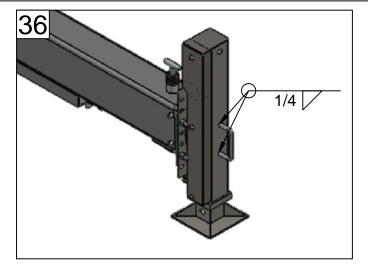
COVER WITH RUBBER BOOT



ATTACH SECURITY PIN'S KEY-RING ON EITHER TAB PAGE 21 - ITEM 12



ENSURE PIN IS THROUGH ALL TABS & CLAMP MEETS END



PROCEED TO MOUNTING THE LEGS & HYDRAULICS WELD C-HANDLE ON PULLOUT LEG, CENTER TO PULLOUT



VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO

LESS-CROSSTUBE ASSY	

25100-PH OUTRIGGERS

DATE PAGE
01-18-17A
SUPERSEDES

20

03-23-16

25471

SECTION 400

REPLACEMENT PARTS

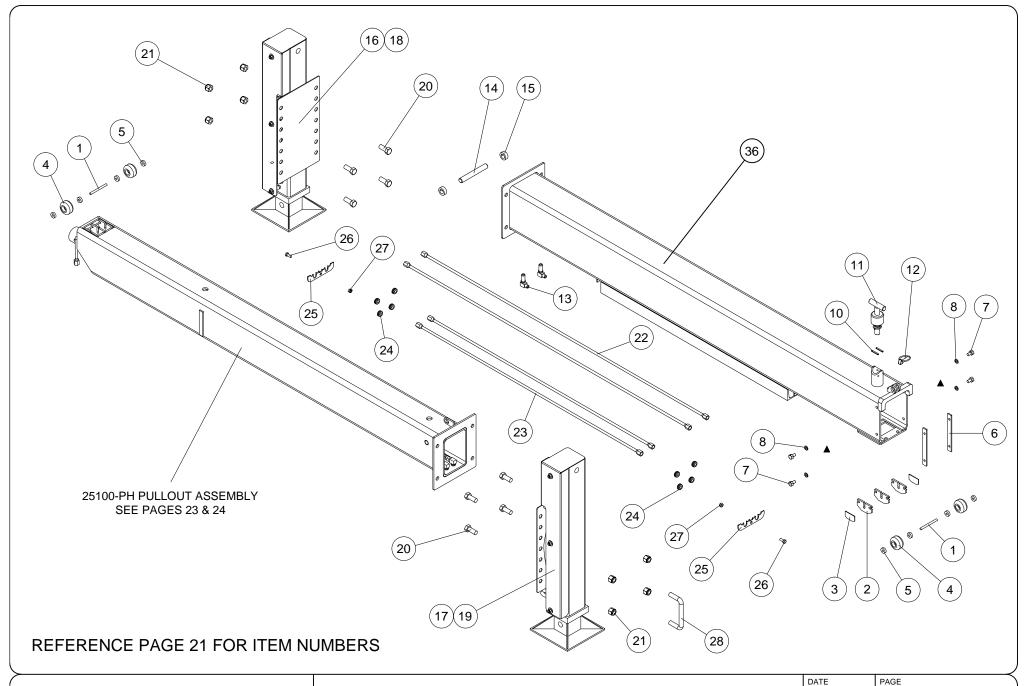


PARTS BREAKDOWN, 25100-PH OUTRIGGERS (LESS-CROSSTUBE PARTS INCLUDED)

	25100-PH OUTRIGGERS PARTS BREAKDOWN	SHORT LEGS	LONG LEGS	LESS-CROSSTUBE PARTS INCLUDED
#	DESCRIPTION	<u> </u>	L TY	PART #
1	AXLE; WHEEL	2	2	25090
2	AXLE SUPPORT; WHEEL AXLE	3	3	25097
3	AXLE KEEPER; WHEEL AXLE	2	2	25091
4	WHEEL; MANUAL PULLOUT	4	4	25082
5	BEARING; WHEEL	8	8	25078
6	NUT BAR RETAINER; MANUAL PULLOUT	2	2	25065
7	HEX HEAD CAP SCREW; 3/8-16 X 1/2, GR. 5, ZINC	4	4	!HHCS03816050
8	LOCK WASHER; 3/8, GR. 5, ZINC	4	4	!LWSH-038
9		-	-	-
10	ROLL PIN; 3/16 X 1-3/8, STAINLESS STEEL	2	2	IRPIN-019138-SS
11	T-HANDLE; LOCKING PIN, MANUAL PULLOUT	1	1	22668
12	SECURITY PIN; CLAMPING PIN & KEY-RING	1	1	24981
13	BULKHEAD FITTING; 90°, 6MJ-6MJ	2	2	H2701-0606
14	SHAFT; TELESCOPIC PVC PIPE TO CROSSTUBE	1	1	25051
15	LOCK COLLARS; SHAFT, PVC PIPE	2	2	00210
16	HYDRAULIC LEG; SHORT, LEFT-SIDE	1	-	SEE PAGES 25 & 26
17	HYDRAULIC LEG; SHORT, RIGHT-SIDE	1	-	SEE PAGES 25 & 26
18	HYDRAULIC LEG; LONG, LEFT-SIDE	-	1	SEE PAGES 25 & 26
19	HYDRAULIC LEG; LONG, RIGHT-SIDE	-	1	SEE PAGES 25 & 26
20	HEX HEAD CAP SCREW; 5/8-11 X 1-1/2, GR. 8, ZINC	8	8	!HHCS06311150-8
21	LOCK NUT; 5/8-11, GR. 8, ZINC, NYLON-INSERT	8	8	!LNUT-06311-8
22	HYDRAULIC TUBE; 60" LONG	2	2	25138
23	HYDRAULIC TUBE; 47" LONG	2	2	25139
24	GROMMET; BLACK RUBBER, HYDRAULIC TUBES	8	8	14883
25	CLAMP PLATE; HYDRAULIC TUBES & GROMMETS	2	2	25157
26	HEX HEAD CAP SCREW; 5/16-18 X 3/4, GR. 5, ZINC	2	2	!HHCS03118075
27	LOCK NUT; 5/16-18, GR. 5, ZINC, NYLON-INSERT	2	2	ILNUT-03118
28	C-HANDLE; MANUAL PULLOUT, RIGHT LEG	1	1	19344
29	DECAL; CRUSHING INJURY, SEE 'MOUNTING THE LEGS'	2	2	24964
30	VALVE BLOCK; 2-SPOOL, OUTRIGGER FUNCTIONS	1	1	22444
31	ADAPTER FITTING; STRAIGHT, 8MJ-8MO	2	2	H6400-0808
32	ADAPTER FITTING; STRAIGHT, 6MJ-8MO	4	4	H6400-0608
33	SELECTOR VALVE; HYDRAULIC PRESSURE DIRECTION	1	1	27783
34	BRACKET; SELECTOR VALVE, MOUNTING	1	1	27784
35	OUTRIGGER & ACCESSORIES MANUAL	1	1	INST-21024
36	CROSSTUBE; 25100 SERIES OUTRIGGERS	1	1	25085

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PARTS BREAKDOWN	07-02-25C	21
25100-PH OUTRIGGERS	SUPERSEDES	25461
23100-FIT OUTRIGGERS	01-04-18B	



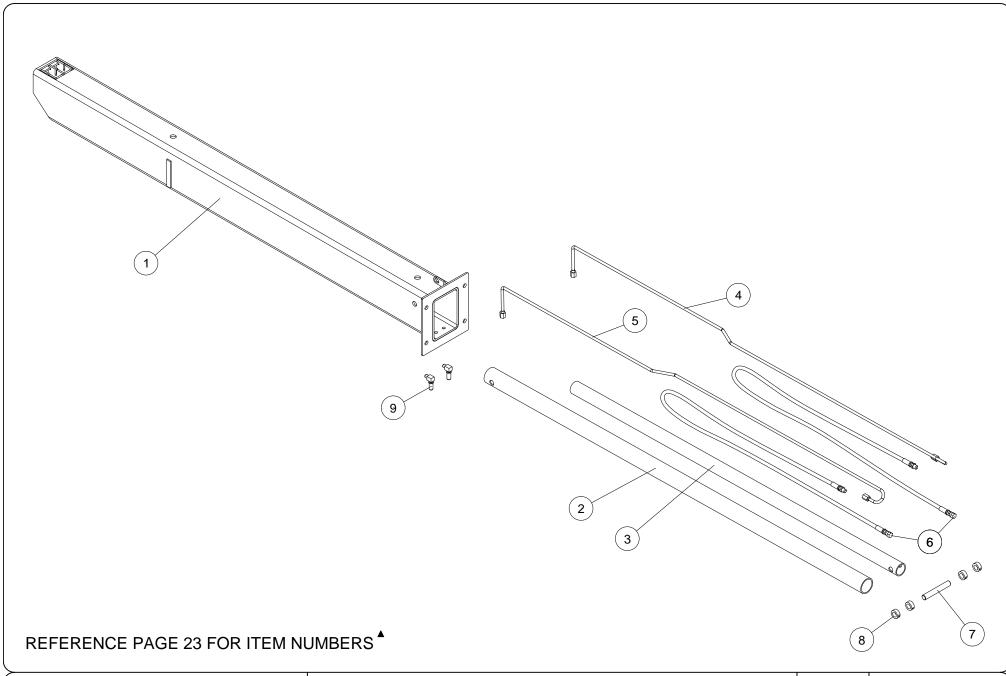


VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO PARTS BREAKDOWN (LESS-CROSSTUBE PARTS INCLUDED)
25100-PH OUTRIGGERS

07-02-25B 22 SUPERSEDES 01-18-17A 25462

	25100-PH PULLOUT ASSEMBLY PARTS BREAKDOWN					
#	DESCRIPTION	QTY	PART #			
1	PULLOUT; 4', 25100-PH(X) CONFIGURATION	1	25087-2			
2	PVC PIPE; OUTER, TELESCOPING	1	25079			
3	PVC PIPE; INNER, TELESCOPING	1	25092			
4	HYDRAULIC TUBE; RIGHT LEG, DOWN	1	25137			
5	HYDRAULIC TUBE; RIGHT LEG, UP	1	25136			
6	HOSE ASSEMBLY; RIGHT LEG, UP & DOWN	2	25149			
7	SHAFT; PULLOUT & INNER PVC PIPE	1	25052			
8	LOCK COLLAR; SHAFT, PVC PIPE	4	00210			
9	BULKHEAD FITTING; 90°, 6MJ-6MJ, LOCK NUT	2	H2701LN-0606			

	▲ DATE	PAGE
PARTS BREAKDOWN	01-18-17A	
	SUPERSEDES	05.400
25100-PH PULLOUT ASSY	03-23-16	25463



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A	DATE	PAGE
PARTS BREAKDOWN	01-18-17A	24
	SUPERSEDES	05404
25100-PH PULLOUT ASSEMBLY	03-23-16	25464

PARTS BREAKDOWN, 25100 SERIES HYDRAULIC LEGS ASSEMBLY

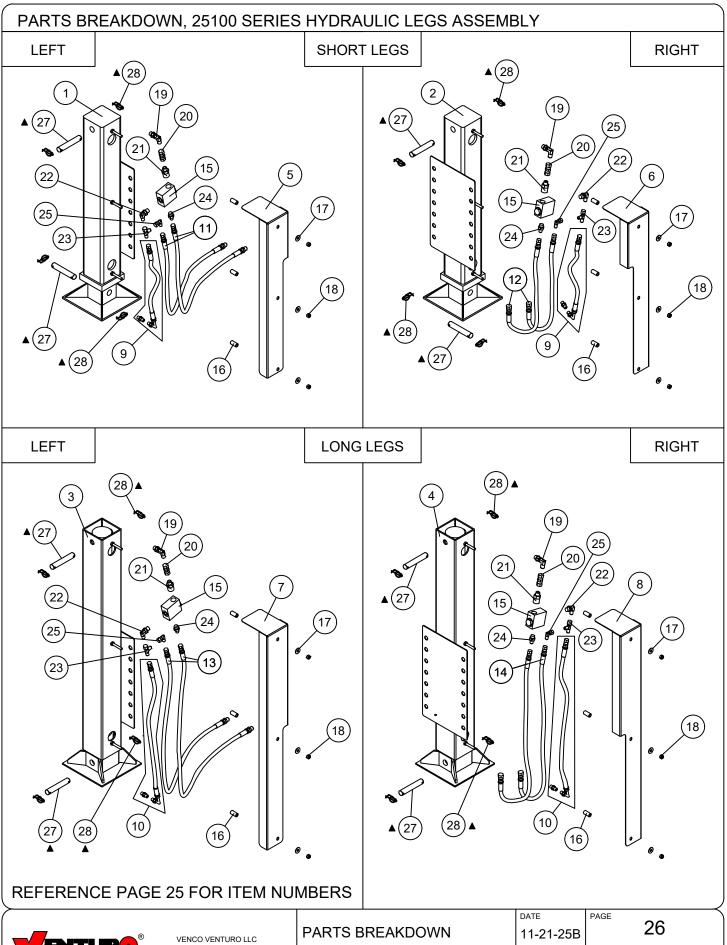
	25100 SERIES OUTRIGGERS		SHORT		LONG		
		HYDRAULIC LEGS ASSEMBLY PARTS BREAKDOWN	LEFT	RIGHT	LEFT	RIGHT	
	#	DESCRIPTION	(IAU	TIT	Y	PART#
	1	HYDRAULIC LEG; SHORT, LEFT-SIDE	1	-	-	н	25064-1
	2	HYDRAULIC LEG; SHORT, RIGHT-SIDE	-	1	-	_	25064-2
	3	HYDRAULIC LEG; LONG, LEFT-SIDE	-	-	1	-	25055-1
	4	HYDRAULIC LEG; LONG, RIGHT-SIDE	=	-	-	1	25055-2
	5	COVER; SHORT LEG, LEFT-SIDE	1	-	-		25069-1
	6	COVER; SHORT LEG, RIGHT-SIDE	-	1	-	-	25069-2
	7	COVER; LONG LEG, LEFT-SIDE	-	-	1	-	25068-1
	8	COVER; LONG LEG, RIGHT-SIDE	-	-	-	1	25068-2
•	9	HOSE ASSY KIT -SL (INCLUDES HOSE AND FITTING)	1	1	E	-	25193-KIT
•	10	HOSE ASSYKIT -LL (INCLUDES HOSE AND FITTING)	n <u>u</u>	- =	1	1	25217-KIT
	11	HOSE ASSEMBLY; 47", 4FX-6MJ, SHORT LEG, LEFT-SIDE	2	-	-	-	25151
	12	HOSE ASSEMBLY; 27", 4FX-6FX, SHORT LEG, RIGHT-SIDE	-	2	_	ı	25147
	13	HOSE ASSEMBLY; 54", 4FX-6MJ, LONG LEG, LEFT-SIDE	-	-	2	L	25153
	14	HOSE ASSEMBLY; 37", 4FX-6FX, LONG LEG, RIGHT-SIDE	-	-	-	2	25152
	15	VALVE BLOCK; CHECK BODY & CARTRIDGE	1	1	1	1	22765
	16	SPACER; HYDRAULIC LEG COVERS	3	3	3	3	25070
	17	FLAT WASHER; 5/16, GR. 5, ZINC	3	3	3	3	!FWSH-031
	18	LOCK NUT; 5/16-18, GR. 5, ZINC, NYLON-INSERT	3	3	3	3	!LNUT-03118
	19	ADAPTER FITTING; 90° ELBOW, 6MO-6MJ	1	1	1	1	H6801L-0606
	20	ADAPTER FITTING; COUPLING SWIVEL, 6FJX-6FJX	1	1	1	1	H6565-0606
	21	ADAPTER FITTING; ADAPTER, 6MJ-8MP	1	1	1	1	H2404-0608
	22	ADAPTER FITTING; 90° ELBOW, 6MO-4MJ	1	1	1	1	H6801-0406
	23	ADAPTER FITTING; T-SHAPE, 4MJ-4FJX-4MJ	1	1	1	1	H6602-040404
	24	ADAPTER FITTING; CONNECTOR, 6MO-4MJ	1	1	1	1	H6400-0406
	25	ADAPTER FITTING; 90° ELBOW, 4MJ-4FX	1	1	1	1	H6500-0404
•	26	-	-	-		-	-
•	27	CLEVIS PIN; 3/4 X 4 1/2	2	2	2	2	25242
•	28	RUE RING COTTER	4	4	4	4	25187

REFERENCE PAGE 26 FOR ITEM IDENTIFICATION

VENCO VENTURO LLC CINCINNATI, OHIO



PARTS BREAKDOWN	11-21-25B	PAGE 25
25100 SERIES HYD. LEGS	SUPERSEDES 01-18-17A	25452-1





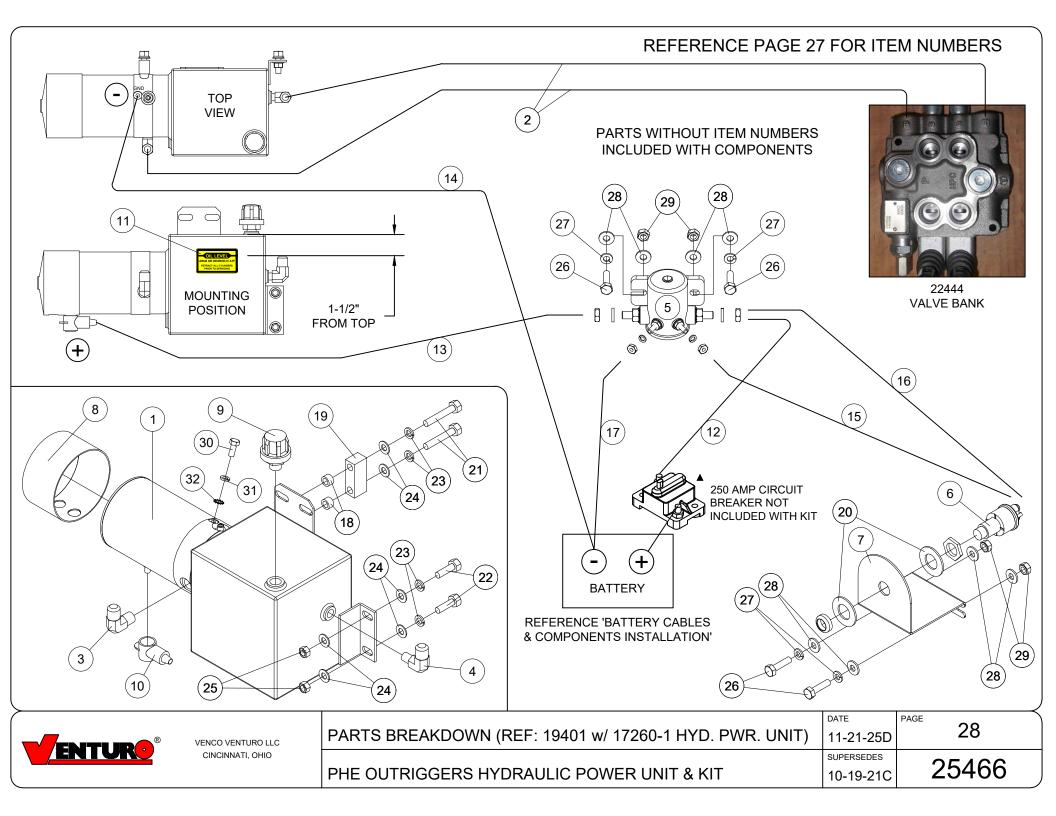
CO VENTURO LLC	PARTS BREAKDOWN	11-21-25B	26
CINNATI, OHIO	05400 050150 11/0 1 500	SUPERSEDES	25453-1
	25100 SERIES HYD. LEGS	01-18-17A	23 4 33-1

PARTS BREAKDOWN, PHE OUTRIGGERS HYDRAULIC POWER UNIT & KIT (REF: 19401)

PHE OUTRIGGERS HYDRAULIC POWER UNIT & KIT (REF: 19401) PARTS BREAKDOWN				
#	DESCRIPTION	QTY	PART#	
1	H.P.U. PUMP; PHE OUTRIGGERS	1	17260-1	
2	HOSE ASSEMBLY; RETURN, 60", 8MO-8FJ	2	22438	
3	ELBOW FITTING; 90°, 8MJ-6MP	1	H2501-0806	
4	ELBOW FITTING; 90°, 8MJ-4MP	1	H2501-0804	
5	CONTACTOR	1	15831C	
6	SWITCH; MOMENTARY PUSH-BUTTON	1	17769	
7	BRACKET; SWITCH, MOMENTARY PUSH-BUTTON	1	19402	
8	BOOT COVER; MOTOR, H.P.U.	1	16143-3	
9	BREATHER CAP; RESERVOIR, H.P.U.	1	19276	
10	BOOT COVER; POSITIVE TERMINAL, MOTOR	1	18542	
11	DECAL; OIL LEVEL	1	13397	
12	BATTERY CABLE; 2 GA, 25' LONG, RED	1	01025-2*25FT	
13	BATTERY CABLE; 2 GA, 18" LONG, RED	1	20133	
14	GROUND CABLE; 2 GA, 18" LONG, BLACK	1	20133-1	
15	WIRE; 16 GA, 20" LONG, #10 TERMINAL RINGS	1	20134	
16	WIRE; 16 GA, 20" LONG, 5/16 RING, #10 RING	1	20134-1	
17	WIRE; 16 GA, 18" LONG, 5/16 RING, #10 RING	1	20135	
18	SPACER; 5/8" O.D., 12 GA DOM WALL, SS	2	19265	
19	SPACER BLOCK; 3/4 X 1 X 2-3/8, 7/16" HOLES	1	17284	
20	FLAT WASHER; 5/8", GR.5, ZINC, SAE	2	!FWSH-063SAE	
21	HEX HEAD CAP SCREW; 3/8-16 X 2-1/4, GR. 5, ZINC	2	!HHCS03816225-5	
22	HEX HEAD CAP SCREW; 3/8-16 X 1-1/4, GR. 5, ZINC	2	!HHCS03816125	
23	LOCK WASHER; 3/8", GR. 5, ZINC	4	!LWSH-038	
24	FLAT WASHER; 3/8", GR. 5, ZINC, SAE	6	!FWSH-038SAE	
25	HEX NUT; 3/8-16, GR. 5, ZINC	2	!HNUT-03816	
26	HEX HEAD CAP SCREW; 1/4-20 X 1, GR. 5, ZINC		!HHCS02520100-5	
27	LOCK WASHER; 1/4", GR. 5, ZINC	4	!LWSH-025	
28	FLAT WASHER; 1/4", GR. 5, ZINC		!FWSH-025	
29	29 HEX NUT; 1/4-20, GR. 5, ZINC		!HNUT-02520	
30	HEX HEAD CAP SCREW; 5/16-18 X 3/4, GR. 5, ZINC	1	!HHCS03118075	
31	31 LOCK WASHER; 5/16", GR. 5, ZINC		!LWSH-031	
32	32 STAR WASHER; 5/16", EXT STAR, STAINLESS STEEL		!LWSH-031-STAR-SS	



		DATE	PAGE	▲,
PARTS BREAKDOWN		01-18-17A	27	
	A	SUPERSEDES	05405	
PHE H.P.U./KIT (REF: 19401))	03-23-16	25465	

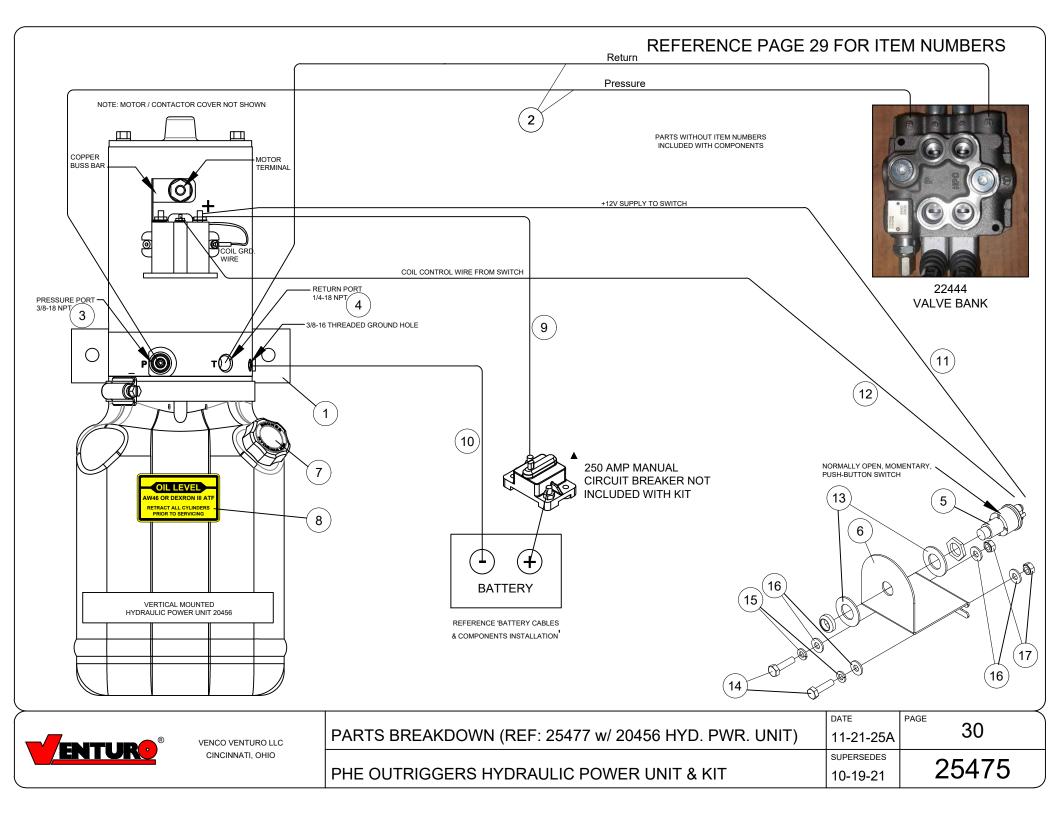


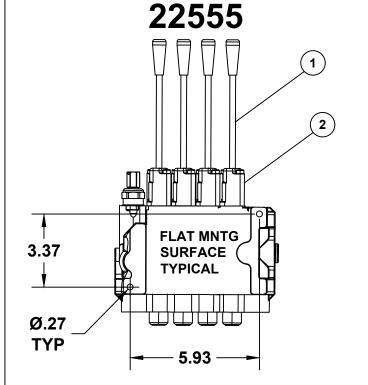
PARTS BREAKDOWN, PHE O.R. HYD. PWR. UNIT & KIT (REF: 25477 w/ 20456 HYD. PWR. UNIT) REFERENCE PAGE 30 FOR PARTS ILLUSTRATION

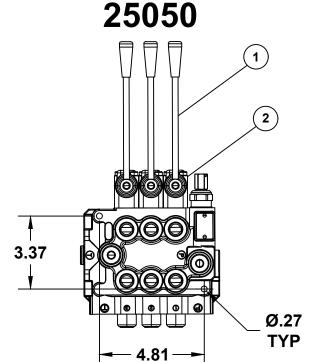
PHE OUTRIGGERS HYDRAULIC POWER UNIT & KIT (REF: 25477) PARTS BREAKDOWN					
#	DESCRIPTION	QTY	PART#		
1	H.P.U. PUMP; PHE OUTRIGGERS	1	20456		
2	HOSE ASSEMBLY; PRESSURE / RETURN, 60", 8MO-8FJ	2	22438		
3	3 ELBOW FITTING; 90°, 8MJ-6MP		H2501-0806		
4	4 ELBOW FITTING; 90°, 8MJ-4MP		H2501-0804		
5	SWITCH; MOMENTARY PUSH-BUTTON	1	17769		
6	BRACKET; SWITCH, MOMENTARY PUSH-BUTTON	1	19402		
7	BREATHER CAP; RESERVOIR, H.P.U.	1	19276		
8	DECAL; OIL LEVEL	1	13397		
9	BATTERY CABLE; 2 GA, 25' LONG, RED	1	01025-2*25FT		
10	GROUND CABLE; 2 GA, 18" LONG, BLACK	1	20133-1		
11	WIRE; 16 GA, 20" LONG, #10 TERMINAL RINGS	1	20134		
12	WIRE; 16 GA, 20" LONG, 5/16 RING, #10 RING	1	20134-1		
13	FLAT WASHER; 5/8", GR.5, ZINC, SAE	2	!FWSH-063SAE		
14	HEX HEAD CAP SCREW; 1/4-20 X 1, GR. 5, ZINC	2	!HHCS02520100-5		
15	LOCK WASHER; 1/4", GR. 5, ZINC	2	!LWSH-025		
16	16 FLAT WASHER; 1/4", GR. 5, ZINC		!FWSH-025		
17	HEX NUT; 1/4-20, GR. 5, ZINC	2	!HNUT-02520		

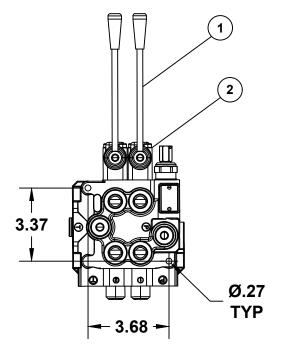
ENTURO ®	VENCO VENTURO INDUSTRIES LLC CINCINNATI, OHIO
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PARTS BREAKDOWN	10-19-21	29
PHE H.P.U./KIT (REF: 25477)	SUPERSEDES	25476







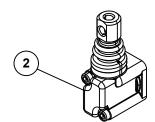


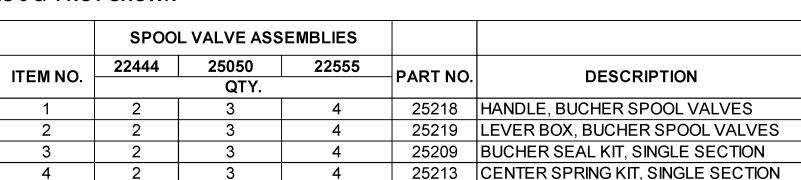
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22444

NOTE: P/N 25219 INCLUDES MNTG HARDWARE









MANUFACTURING, INC. CINCINNATI, OHIO

TITLE	DATE	PAGE
REPLACEMENT PARTS - SPOOL VALVES	09-24-25	-
POWERED STABILIZERS (PH, PHX, PHXD)	SUPERSEDES -	25216

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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Revised: January 2015 12-00073_VNT1-D