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# Operating & Installation Instructions

## Manual Out / Crank Down 12k ft.lbs. Outriggers

### **!ATTENTION!**

KEEP THIS MANUAL WITH THE CRANE. OPERATION INSTRUCTIONS ARE CONTAINED IN A SEPARATE MANUAL. NEW OPERATORS SHOULD READ AND BE FAMILIAR WITH THE OPERATING INSTRUCTIONS BEFORE OPERATING THIS CRANE.

ORDER PARTS USING PART NUMBER, CRANE MODEL NUMBER AND CRANE SERIAL NUMBER TO ASSURE ACCURACY OF ORDERS.

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P/N 22231**

**MANUAL OUT / CRANK DOWN OUTRIGGER  
12k ft.lbs.**

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## **OPERATING INSTRUCTIONS**

### **MANUAL OUT / CRANK DOWN OUTRIGGER 12k ft.lbs.**

Before using the crane, the outriggers must be set properly. Blocking the front wheels of the truck and setting the parking brake is advised to prevent the truck from rolling.

Always keep the truck as level as possible when operating the crane. Set the outriggers on firm ground that will not yield under load.

Check for overhead obstructions and especially for electrical wires. The crane must always be more than 10 Feet away from electrical wires.

Raise the outrigger detent pin and pull the outrigger out until the pin is engaged in the stop hole. Do not use the outrigger unless this pin is fully engaged. There are only two positions for the pull out section, either fully retracted or fully extended.

Manually lower the innermost-telescoping portion of the jack by pulling out a hitch pin, which hold the manual outrigger section in place. Select a desired height then place the hitch pin into the jack tube. Use a hair clip pin to secure the hitch pin in place. Then crank the jack until there is lifting of the truck bed. The higher the truck, the less the truck must tilt to counterbalance the crane and the load. Leave the truck wheels in contact with the ground. If equipped, set the opposite side outrigger using the same method.

The outrigger is set and the crane is ready for use.

**NOTE:** At no time should the tires on the opposite side from the lifting side be raised off the ground. If this occurs, relocate the truck closer to the load.

Do not operate the crane until you have read and understand the crane's operation as explained in the manual.

To put up the outrigger, crank the outrigger so that the cranked section is fully raised, then raise the manual portion by pulling out the hitch pin. After fully raising the manual portion, secure it with the hitch pin. Lift the detent pin and slide the outrigger in. Make sure the detent pin is engaged into the outrigger. The outrigger can slide out during a sharp turn if the detent pin is not engaged.



## INSTALLATION INSTRUCTIONS

### MANUAL OUT / CRANK DOWN OUTRIGGER 12k ft.lbs.

Refer to drawing No. 50664 for outrigger layout.

Read these instructions completely before starting installation.

This kit includes the outrigger center tube, with manual pullout section(s), and a crank down jack.

Before mounting the outrigger center tube, orient the outrigger so that the manual pull out section is on the same side of the truck as the crane.

**IMPORTANT:** The outrigger center tube must be supported at the truck frame, at its outer end under the crane's structural support, and at the end opposite the crane. The center tube should not be supported by the body sheet metal.

Locate the outrigger as close to the crane as possible.

1. Set the outrigger with clearance from the truck body so that the pull out or extendable portion will clear the body when fully retracted. Set the vertical height so that the outrigger will be able to penetrate at least 4" below the ground. The outrigger jack is approximately 24" long when retracted. It extends a maximum length of approximately 52". The crank travel length is 14" and the total extension is 28".
2. Fabricate an "L" shaped mounting bracket similar to the one shown on drawing 50664 (also see drawing for center tube dimensions). The bracket is not furnished. **Weld** the cross tube securely to the bracket. This will provide support for the outrigger at the truck's frame.
3. Weld the outer end of the cross tube securely to the crane support structure using 4" channel or stronger steel bars. This outer end of the cross tube must be supported to carry the crane load and prevent bending of the center tube, and/or truck body. This also should be done below the crane and on the side opposite the crane.
4. Check the outrigger for operation. Especially note that the detent pins on the pull out and drop down sections fully engage in all operating positions.

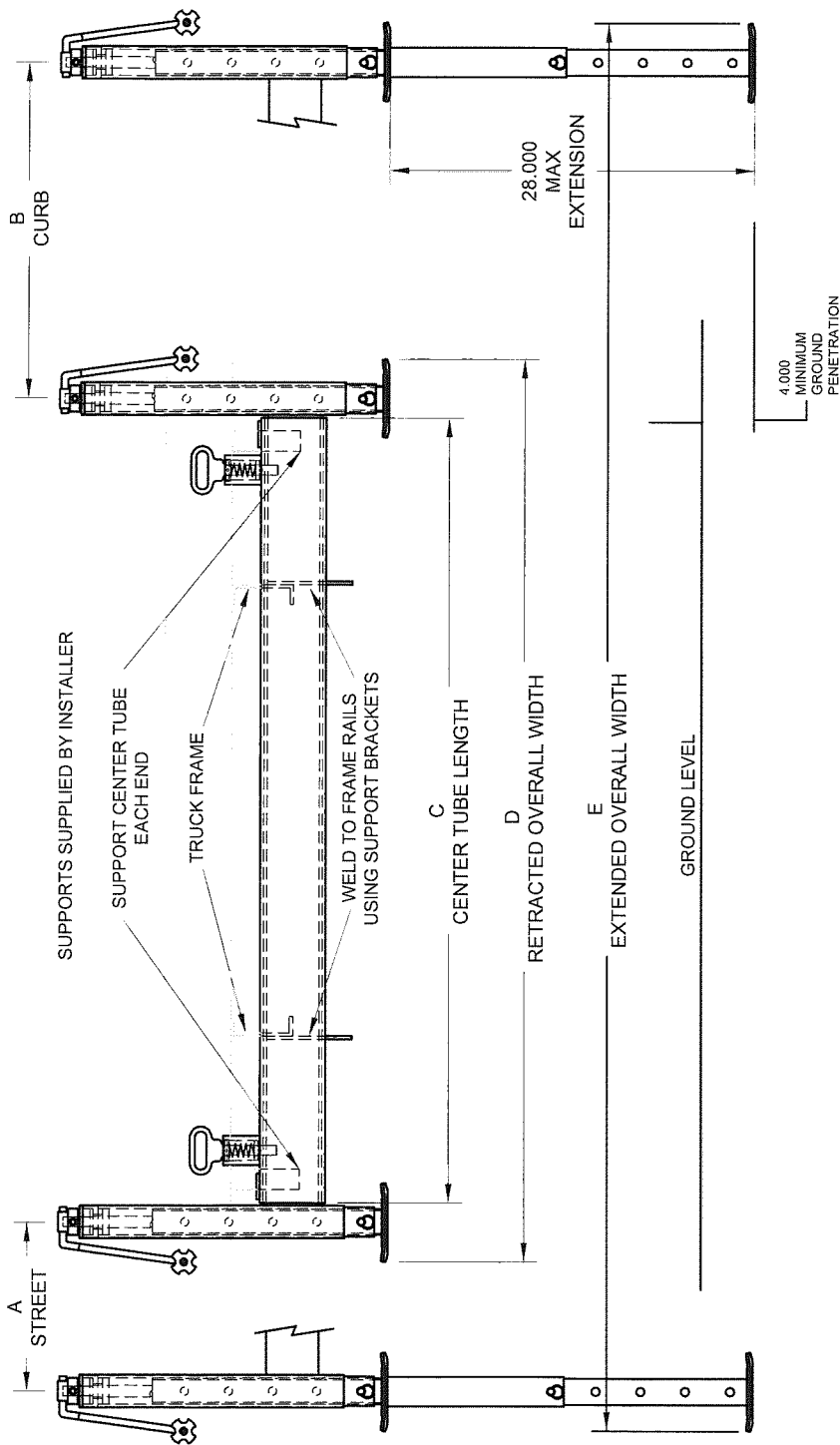
Place labels on the crank down jacks warning of crushing injury. The outrigger is ready for use!



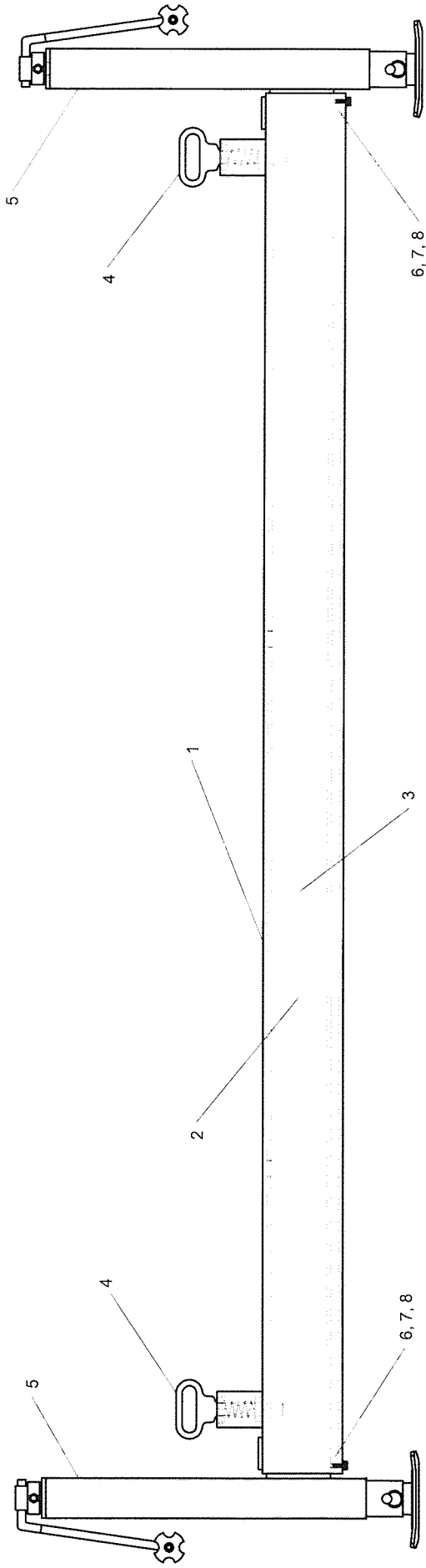
**OUTRIGGERS CENTER TUBE  
DIMENSIONS TABLE**

<i>Outrigger Model</i>	<i>Center Tube Size</i>
<i>Outrigger 10K</i>	<i>2.50'' X 5.00''X 0.18'' W</i>
<i>Outrigger 12K</i>	<i>2.50'' X 5.00''X 0.18'' W</i>
<i>Outrigger 18K</i>	<i>4.00'' X 6.00''X 0.25'' W</i>
<i>Outrigger 25K</i>	<i>5.00'' X 7.00''X 0.18'' W</i>
<i>Outrigger 36K</i>	<i>6.00'' X 8.00''X 0.18'' W</i>
<i>Outrigger 50K</i>	<i>7.00'' X 9.00''X 0.18'' W</i>
<i>Outrigger 72K</i>	<i>8.00'' X 10.00''X 0.25'' W</i>





MODEL	DESCRIPTION	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E
MODEL 38851	30CMOCD-15SMOCD	15"	30"	86"	95"	140"
MODEL 38860	24CMOCD-15SMOCD	15"	24"	70"	79"	118"
MODEL 38862	30CMOCD-15SMOCD	15"	30"	81"	90"	135"
MODEL 38885	30CMOCD-SFXNJ	0"	30"	60"	64.5"	94.5"
MODEL 38927	30CMONJ-SFXNJ	0"	30"	88"	88.75"	118.75"
MODEL 38928	30CMONJ-SFXNJ	0"	30"	82"	82.75"	112.75"
MODEL 38955	25CMOCD-25SMOCD	25"	25"	72"	81"	131"
MODEL 39016	30CMOCD-SFXCD	0"	30"	85"	94"	124"



ITEM	DESCRIPTION	OUTRIGGER							
		38851 QTY	38860 QTY	38862 QTY	38885 QTY	38927 QTY	38928 QTY	38955 QTY	39016 QTY
1	CENTER OUTR.	17761	18092	33517	16712	22780	22785	22063	39016
2	STREET SIDE OUTR.	22225	22225	22225	NONE	NONE	NONE	22065	NONE
3	CURB SIDE OUTR.	22221	22282	22221	22221	22778	22778	22065	22221
4	DETENT ASSY	32492	32492	32492	32492	32492	32492	32492	32492
5	CRANK DOWN JACK	30761	30761	30761	30761	NONE	NONE	30761	30761
6	SPACER	22216	22216	22216	22216	22216	22216	22216	22216
7	SCREW	30457	30457	30457	30457	30457	30457	30457	30457
8	LOCK WASHER	30889	30889	30889	30889	30889	30889	30889	30889

\*SEE INSTALLATION DRAWING FOR OUTRIGGER MODEL NUMBER DESCRIPTION

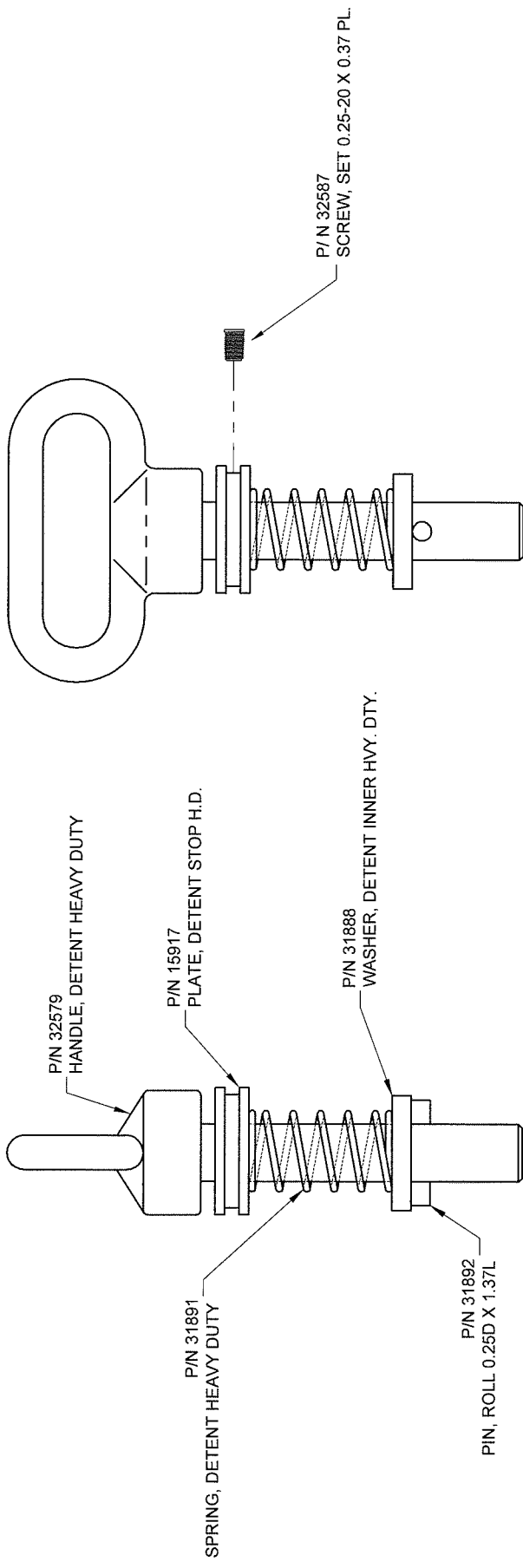


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DRWN BY: JC  
DATE: 04/06/10

**OUTRIGGER 12K MOCD PARTS**  
ALL 12K MOCD; 1/4 WALL STRT/CURB

DRAWING NO.  
**58247-G**



P/N 32579  
HANDLE, DETENT HEAVY DUTY

P/N 15917  
PLATE, DETENT STOP H.I.D.

P/N 31888  
WASHER, DETENT INNER HVY. DTY.

P/N 31891  
SPRING, DETENT HEAVY DUTY

P/N 31892  
PIN, ROLL 0.25D X 1.37L

P/N 32587  
SCREW, SET 0.25-20 X 0.37 PL.

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DRWN BY: JC

DATE: 01/24/07

DETENT, INNER ASSEMBLY H.I.D.

DRAWING NO.

32492-C