

# CRANE MODEL 6628

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UPDATED 7/19/04

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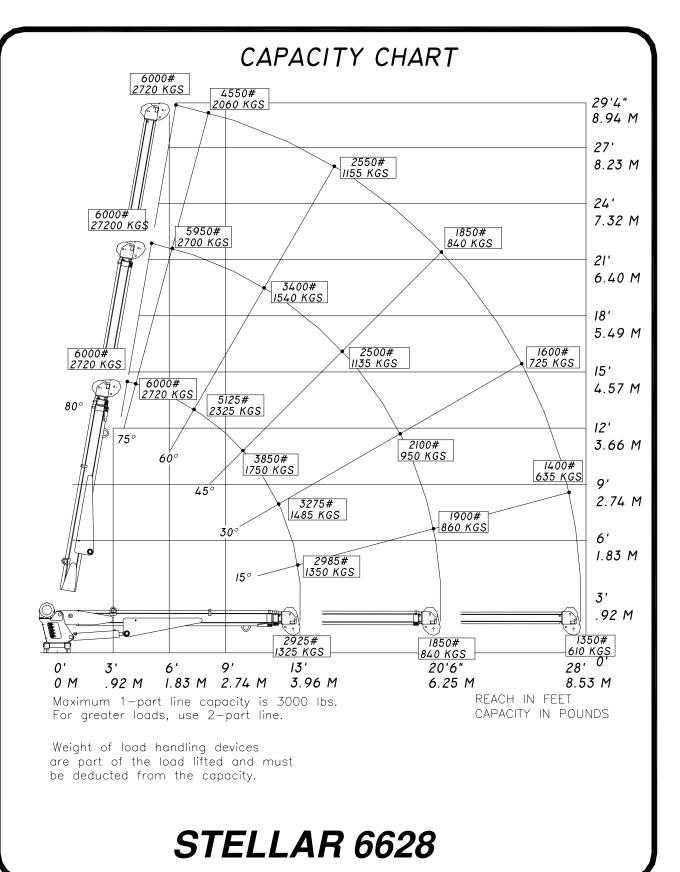
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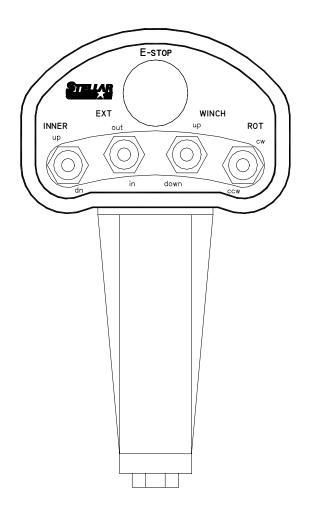
#### Model 6628 Crane SPECIFICATION SHEET

Crane Rating	38,000 ft-lbs (5.25 ton-meters)
Standard Boom Length	13'(3.96 m) from CL of Crane
Boom Extension	1 <sup>st</sup> stage: Hydraulic 90"(228.6 cm) 2 <sup>nd</sup> stage: Hydraulic 90"(228.6 cm)
Maximum Horizontal Reach	28'(8.53 m) from CL of Crane
Maximum Vertical Lift (from crane base)	29' 4''(8.94 m)
Boom Elevation	-5 to +80 degree
Winch Specification Rope Diameter Line pull speed Max. single part line Max. double part line	5/16"(.794 cm) 60 ft/min (18.29 m/min) 3000 lbs (1360 kg) 6000 lbs (2720 kg)
Rotation	400 degree power (worm gear)
Rotation Lifting Capacities	0
	(worm gear) 2925 lbs @ 13'(2440 kg @ 3.96 m) 1850 lbs @ 20'6''(1540 kg @ 6.25 m)
Lifting Capacities	(worm gear) 2925 lbs @ 13'(2440 kg @ 3.96 m) 1850 lbs @ 20'6"(1540 kg @ 6.25 m) 1350 lbs @ 28'(1130 kg @ 8.54 m) PTO & Pump (8 gpm @ 2850 psi)
Lifting Capacities Power Supply Required	(worm gear) 2925 lbs @ 13'(2440 kg @ 3.96 m) 1850 lbs @ 20'6"(1540 kg @ 6.25 m) 1350 lbs @ 28'(1130 kg @ 8.54 m) PTO & Pump (8 gpm @ 2850 psi) (30.3 lpm @ 197 bars) Radio control standard
Lifting Capacities Power Supply Required Controls Stowed Height	(worm gear) 2925 lbs @ 13'(2440 kg @ 3.96 m) 1850 lbs @ 20'6"(1540 kg @ 6.25 m) 1350 lbs @ 28'(1130 kg @ 8.54 m) PTO & Pump (8 gpm @ 2850 psi) (30.3 lpm @ 197 bars) Radio control standard for all functions.

#### **CAPACITY CHART**



#### **CRANE OPERATION – 4 FUNCTION**



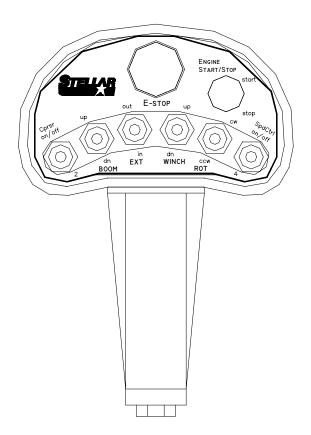
This crane is operated by a radio control system which operates an electronic valve bank. The controller (as shown) operates the following functions:

-main boom up and down -extension boom in and out -winch up and down -rotation cw and ccw

To operate crane, activate the desired toggle switch. The crane will not function until the trigger on the remote handle is activated. The crane speed will change as the trigger is pulled or released.

NOTE: If the crane does not operate, check the batteries located in the remote handle and replace if necessary.

#### **CRANE OPERATION – 7 FUNCTION**



This crane is operated by a radio control system which operates an electronic valve bank. The controller (as shown) operates the following functions:

-main boom up and down -extension boom in and out -winch up and down -rotation cw and ccw

This controller can also be utilized to operate the following optional functions:

-engine start and stop -speed control on and off -compressor on and off

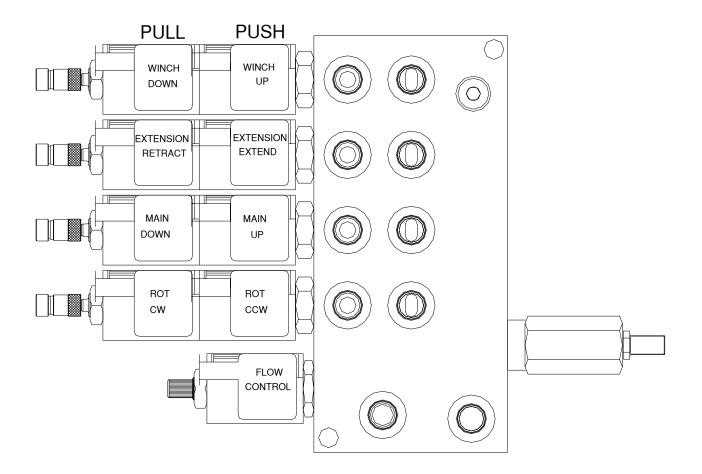
Two optional functions are also available for other customer needs. Option two and option four are both momentary 12 volt functions and will require a latching relay for most installations.

#### **MANUAL OPERATION**

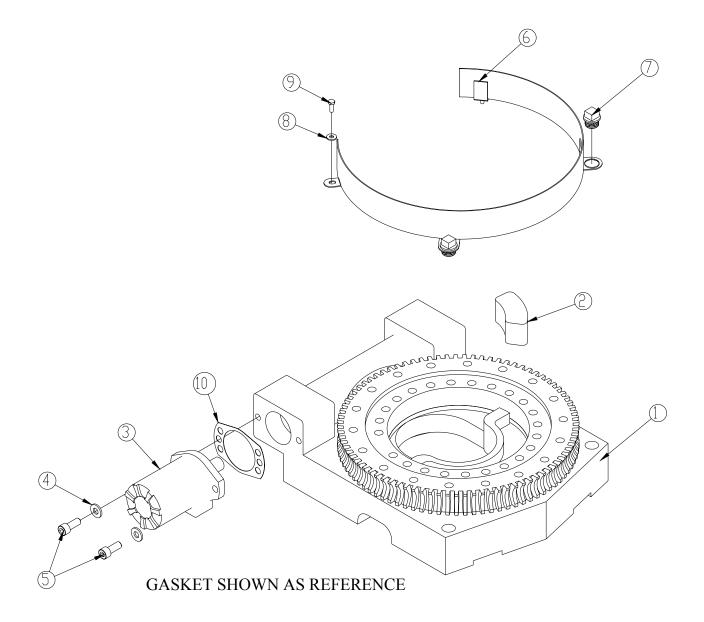
#### IN CASE OF RADIO FAILURE THE CRANE CAN BE OPERATED USING MANUAL OVERRIDES LOCATED ON THE VALVE BANK.

#### VALVE MANUAL OVERRIDE OPERATION

- 1. <u>ACTIVATE FLOW CONTROL</u> TURN OVERRIDE SCREW ON FLOW CONROL **OUT**.
- 2. <u>OPERATE SOLENOIDS</u> UNLATCH THEN PUSH OR PULL TO OPERATE.
- 3. <u>DEACTIVATE FLOW CONTROL</u> TURN OVERRIDE SCREW ON FLOW CONTROL IN.
- 4. <u>HAVE UNIT SERVICED</u>

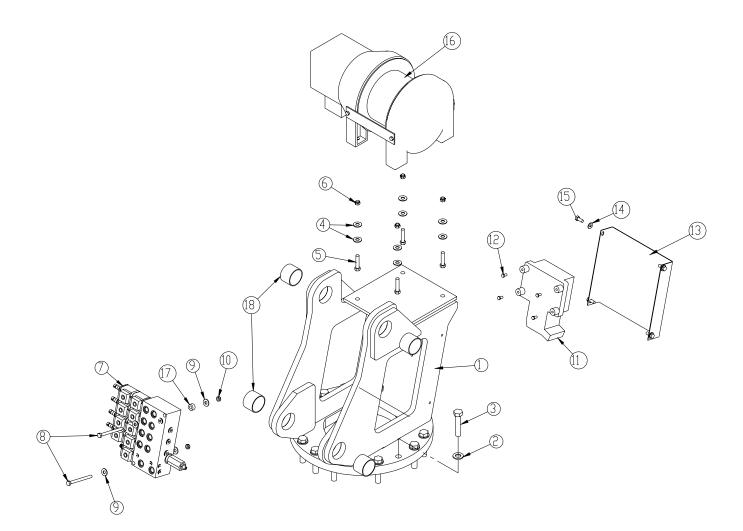


#### BASE ASSEMBLY P/N 17375

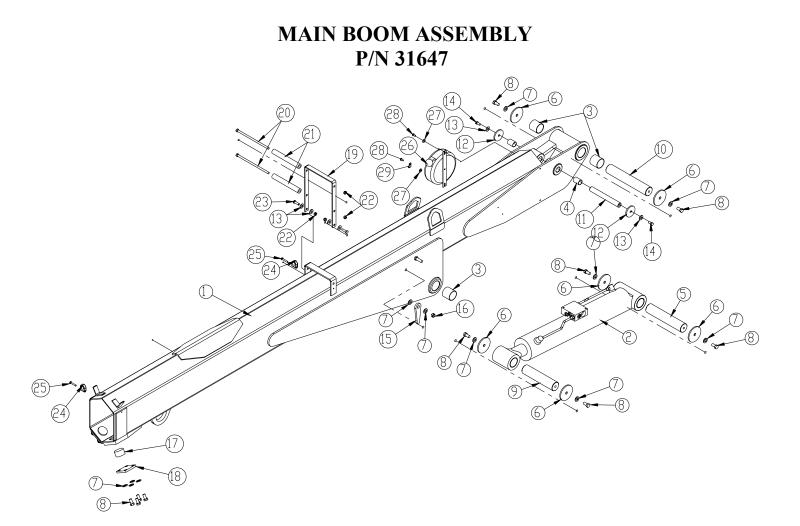


ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	11453	BEARING SWING DRIVE CAST BASE 6620	1	6	12730	GUARD TTB 6620 CRANE	1
2	11542	STOP 3820 400 SLIDE	1	7	13959	CAP SCR 1.00-8 X .63 PLASTIC	2
3	C6069	MOTOR HYD ROSS MK080613AAAB	1	8	0340	WASHER 0.25 FLAT	2
4	D0790	WASHER 0.50 FLAT GR8	2	9	0479	CAP SCR 0.25-20X0.75 HHGR5	2
5	D1307	CAP SCR 0.50-13X1.25 SH	2	10	21151	GASKET MOTOR 008-10056-1	1

#### MAST ASSEMBLY P/N 17376

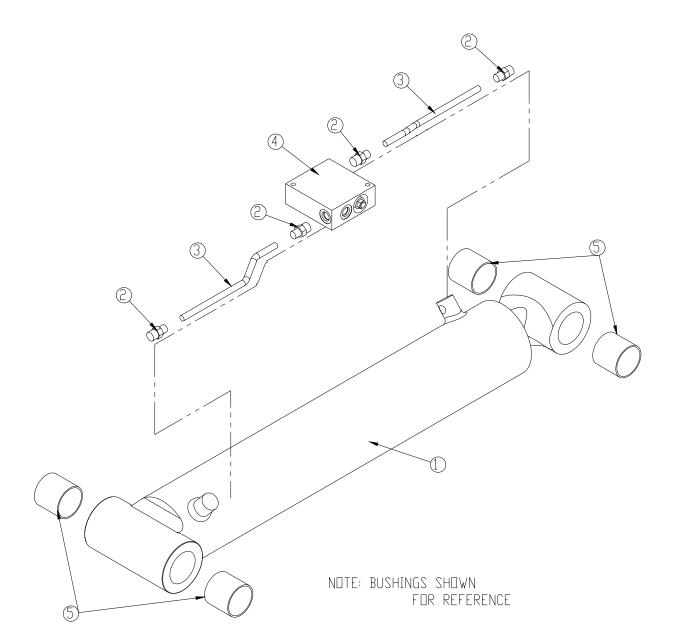


ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	9517	MAST 6620 CRANE	1	10	0342	NUT 0.31-18 HH NYLOC	2
2	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	14	11	11847	RADIO RECEIVER	1
3	D1034	CAP SCR 0.63-11 X 3.00 HHGR8 ZY	14	12	10976	CAP SCR 6MMX12MM HHGR8	4
4	C6353	WASHER 0.38 FLAT GR8	8	13	11910	COVER 6620 MAST	1
5	12167	CAP SCR 0.38-16X1.75 HHGR8	4	14	0340	WASHER 0.25 FLAT	4
6	0347	NUT 0.38-16 HH NYLOC	4	15	0420	CAP SCR 0.31-18X0.75 HHGR5	4
7	24685	VB 4 SECT ELECT W/PROP STERLING8GPM	1	16	11362	WINCH KINEMATIC'S 3000#	1
8	24139	CAP SCR 0.31-18X3.75 HHGR5	2	17	27813	COLLAR 0.38X0.69X0.38 UHMW	2
9	0343	WASHER 0.31 USS FLAT ZINC	4	18	4380	BUSHING 32DXR24 2.00X1.50 GARLOCK	4



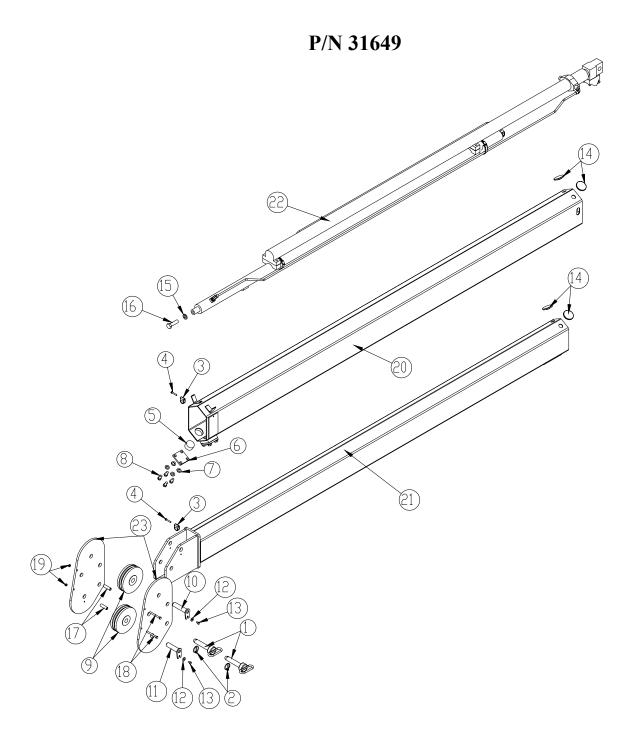
ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	31542	INNER BOOM 6628	1	16	C6106	NUT 0.50-13 HHGR5 NYLOC	2
2	31648	CYLINDER ASM 6628 INNER	1	17	9363	WEAR PAD 1.12X2.00 RND NYLATRON	2
3	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	4	18	9545	PLATE WEAR PAD SUPPORT	2
4	0068	BUSHING QSI-1618-24	2	19	13435	BRKT ROPE GUIDE 9620	1
5	9709	PIN 2.00X10.19 D&T	1	20	12168	CAP SCR 0.38-16X9.00 HHGR5	2
6	8377	PIN CAP 0.56X3.50X.25	6	21	27720	SPACER ROPE GUIDE 6620 UHMW	2
7	D0790	WASHER 0.50 FLAT GR8	18	22	0347	NUT 0.38-16 HH NYLOC	4
8	10172	CAP SCR 0.50-13X1.00 HHGR8 ZY	14	23	0335	CAP SCR 0.38-16X1.25 HHGR5	2
9	9711	PIN 2.00X8.88 D&T	1	24	0337	HOSE CLAMP LN 4190 PP	2
10	9710	PIN 2.00X11.69 D&T	1	25	0220	CAP SCR 0.25-20 X 1.50 HHGR5	2
11	9712	PIN 1.00X8.38 D&T	1	26	19166	CORD REEL 6620	1
12	7403	PIN CAP 0.44X2.50X.252	2	27	0340	WASHER 0.25 FLAT	2
13	C6353	WASHER 0.38 FLAT GR8	6	28	0478	CAP SCR 0.25-20X0.50 HHGR5	2
14	9843	CAP SCR 0.38-16X0.75 HHGR8	2	29	C5606	CLAMP 0.25 BLK VINYL	1
15	D1194	PLATE ANGLE INDICATOR	2				

#### CYLINDER ASSEMBLY P/N 31648



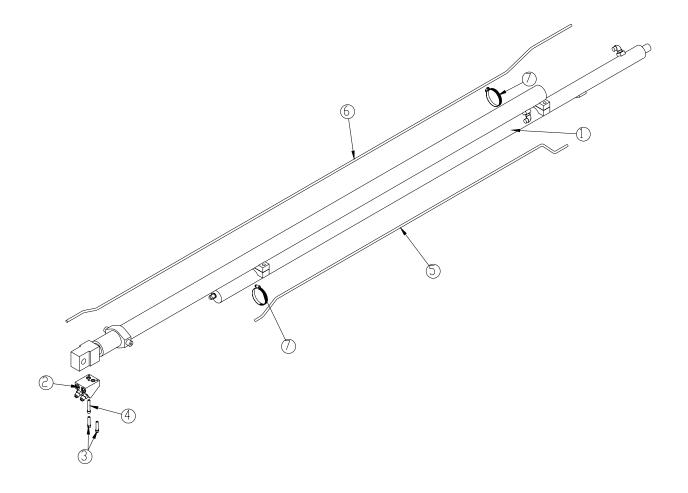
ITEM	PART	DESCRIPTION	QTY.
1	31074P	CYLINDER 4.50X21.38	1
2	0279	FTG ADAPT 6-F5OLO-S	4
3	12158	TUBE ASM 0.38X8.88 MAIN CYL 6620	2
4	13080	MANIFOLD ASM 6620 INNER HOLDING	1
5	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	4

#### **EXTENSION ASSEMBLY**



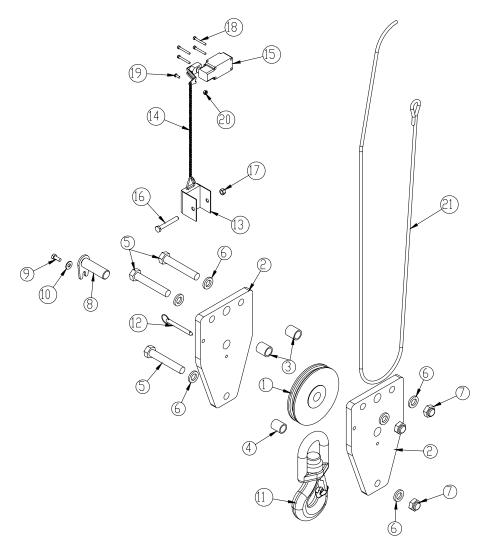
ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	12824	PIN HITCH 1.00X4.50	2	13	0484	CAP SCR 0.31-18 X 0.50 HHGR5	2
2	5753	PIN 0.19X1.56 LYNCH	2	14	9991	WEAR PAD 0.25X2.00 RND NYLATRON	4
3	0337	HOSE CLAMP LN 4190 PP	2	15	C6219	WASHER 0.75 SAE FLAT YELLOW GR8	1
4	0220	CAP SCR 0.25-20 X 1.50 HHGR5	2	16	4974	CAP SCR 0.75-10X2.50 HHGR8 ZY	1
5	9363	WEAR PAD 1.12X2.00 RND NYLATRON	2	17	27719	SPACER BOOM TIP 6620 UHMW	2
6	9545	PLATE WEAR PAD SUPPORT	2	18	0490	CAP SCR 0.31-18X3.50 HHGR5	2
7	D0790	WASHER 0.50 FLAT GR8	8	19	0342	NUT 0.31-18 HH NYLOC	2
8	10172	CAP SCR 0.50-13X1.00 HHGR8 ZY	8	20	31533	EXT BOOM 1ST 6628	1
9	11545	SHEAVE 6620 6.75 DIA .31R/1.94 THK	2	21	31528	EXT BOOM 2ND 6628	1
10	13400	PIN TEAR DROP 1.00X4.38	1	22	31650	CYLINDER EXT ASM 6628 31073P	1
11	13399	PIN TEAR DROP 1.00X3.81	1	23	31653	PLATE SHEAVE MOUNTING 6628	2
12	0343	WASHER 0.31 USS FLAT ZINC	2				

#### CYLINDER ASSEMBLY P/N 31650



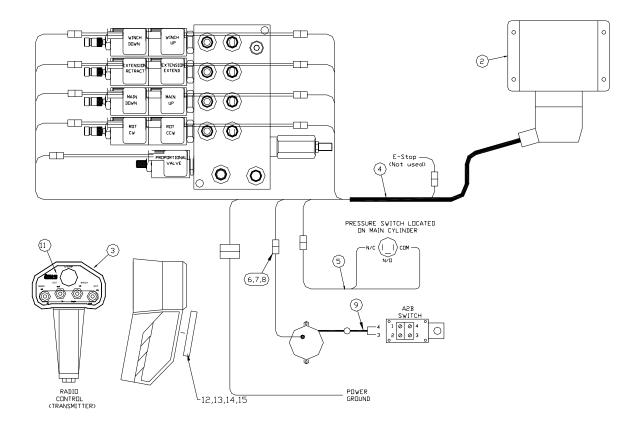
ITEM PART DESCRIPTION QT   1 31073P CYLINDER EXT 6628 2 STAGE 2.5/2.0 2   2 14115 MANIFOLD ASM 6620 EXT CBBD-LJN-XVN 3   3 11882 CAP SCR 0.38-16X1.75 SH ZC 4   4 14601 CAP SCR 0.38-16X2.25 SH ZC 5   5 31652 TUBE ASM 0.38X 72.86 EXT CYL 6628 6   6 31651 TUBE ASM 0.38X 119 75 EXT CYL 6628 6				
2 14115 MANIFOLD ASM 6620 EXT CBBD-LJN-XVN   3 11882 CAP SCR 0.38-16X1.75 SH ZC   4 14601 CAP SCR 0.38-16X2.25 SH ZC   5 31652 TUBE ASM 0.38X 72.86 EXT CYL 6628	ITEM	PART	DESCRIPTION	QTY.
3 11882 CAP SCR 0.38-16X1.75 SH ZC   4 14601 CAP SCR 0.38-16X2.25 SH ZC   5 31652 TUBE ASM 0.38X 72.86 EXT CYL 6628	1	31073P	CYLINDER EXT 6628 2 STAGE 2.5/2.0	1
4 14601 CAP SCR 0.38-16X2.25 SH ZC 5 31652 TUBE ASM 0.38X 72.86 EXT CYL 6628	2	14115	MANIFOLD ASM 6620 EXT CBBD-LJN-XVN	1
5 31652 TUBE ASM 0.38X 72.86 EXT CYL 6628	3	11882	CAP SCR 0.38-16X1.75 SH ZC	2
	4	14601	CAP SCR 0.38-16X2.25 SH ZC	1
6 31651 TUBE ASM 0 38X 119 75 EXT CYL 6628	5	31652	TUBE ASM 0.38X 72.86 EXT CYL 6628	1
	6	31651	TUBE ASM 0.38X 119.75 EXT CYL 6628	1
7 29143 HOSE CLAMP #40 SS	7	29143	HOSE CLAMP #40 SS	2

#### CABLE AND HOOK ASSEMBLY P/N 17371



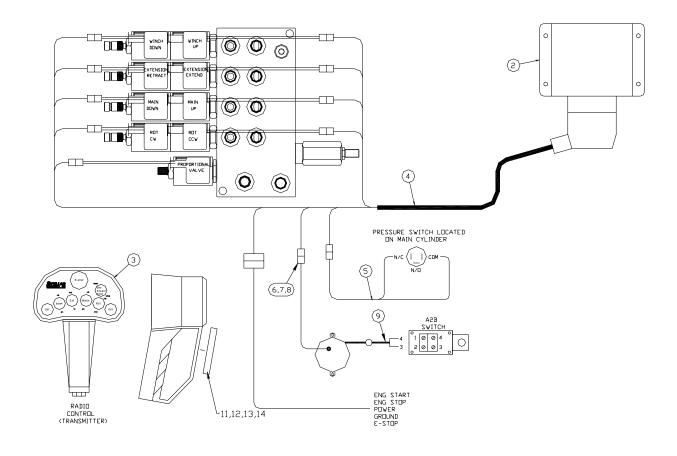
ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	11934	SHEAVE 6620 6.50 DIA .31R/1.12 THK	1	12	9263	PIN .38X3.00 QUICK RELEASE	1
2	9676	PLATE 6620 SNATCH BLOCK	2	13	19994PC	WEIGHT ANTI 2 BLCK 19994 POWDERCOAT	1
3	27812	SPACER 6620 SNATCH BLOCK UHMW	2	14	10972	CHAIN 0.105 (RM) 2607-21201	1
4	11666	SPACER 5520 SNATCH BLOCK	1	15	11938	SWITCH LIMIT A2B FURNAS 3SE3170	1
5	C6218	CAP SCR 0.75-10X4.00 HHGR8 ZY	3	16	0530	CAP SCR 0.38-16X2.75 HHGR5	1
6	C6219	WASHER 0.75 SAE FLAT YELLOW GR8	6	17	0347	NUT 0.38-16 HH NYLOC	1
7	C0538	NUT 0.75-10 HHGR8 NYLOC	3	18	12177	CAP SCR #10-24 X 1.50 SHGR5	4
8	9706	PIN TEAR DROP 1.00X3.25	1	19	D1711	CAP SCR #10-24X0.50 BTNHD SS	1
9	0420	CAP SCR 0.31-18X0.75 HHGR5	1	20	C4956	NUT #10-24 HH NYLOC SS	1
10	0343	WASHER 0.31 USS FLAT ZINC	1	21	17005	WIRE ROPE 5/16 6X19 IWRC-XIP 150FT	1
11	25831	HOOK 5 TON SWIVEL CROSBY 1028623	1				

#### CONTROL KIT – 4 FUNCTION P/N 18932



15	0333	NUT 0.25-20 HHGR5 NYLEC	1
14	C6021	CAP SCR 0.25-20X0.75 BTNHD SS	1
13	6832	DECAL MAGNET CO∨ER-2.94DIA	1
12	6629	MAGNET 70# 2.80 DIA	1
11	18469	Decal - 4 function - Mech Cranes	1
10	16255	BATTERY CHARGER W/BTRY 110-3.6V	1
09	10965	CABLE GROMMET	1
08	10978	CONTACT M/TERM SHROUD	2
11	18469	Decal - 4 function - Mech Cranes	1
10	16255	BATTERY CHARGER W/BTRY 110-3.6V	1
09	10965	CABLE GROMMET	1
08	10978	CONTACT M/TERM SHROUD	2
07	8384	CABLE SEAL	2
06	9752	CONNECT 2 PIN SHROUD	1
05	13004	WIRE HARNESS PRESSURE SWITCH 6620	1
04	17744	WIRE HARNESS RADID/VB	1
03	11833	TRANSMITTER - RADIO (PART OF 1)	REF
02	11847	RECEIVER - RADIO (PART OF 1)	REF
01	11832	RADIO CONTROLLER ASSEMBLY	1
ITEM	PART No.	DESCRIPTION	QTY

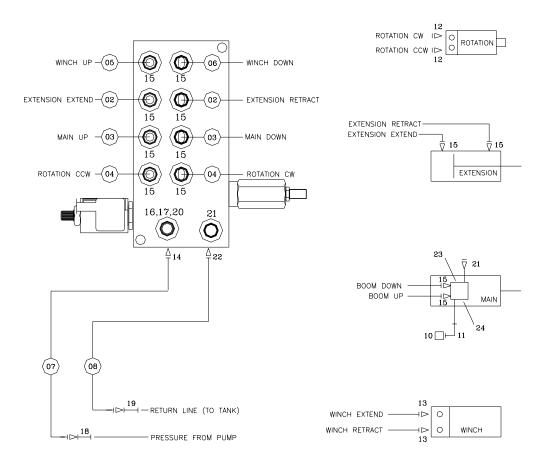
#### CONTROL KIT – 7 FUNCTION P/N 10701



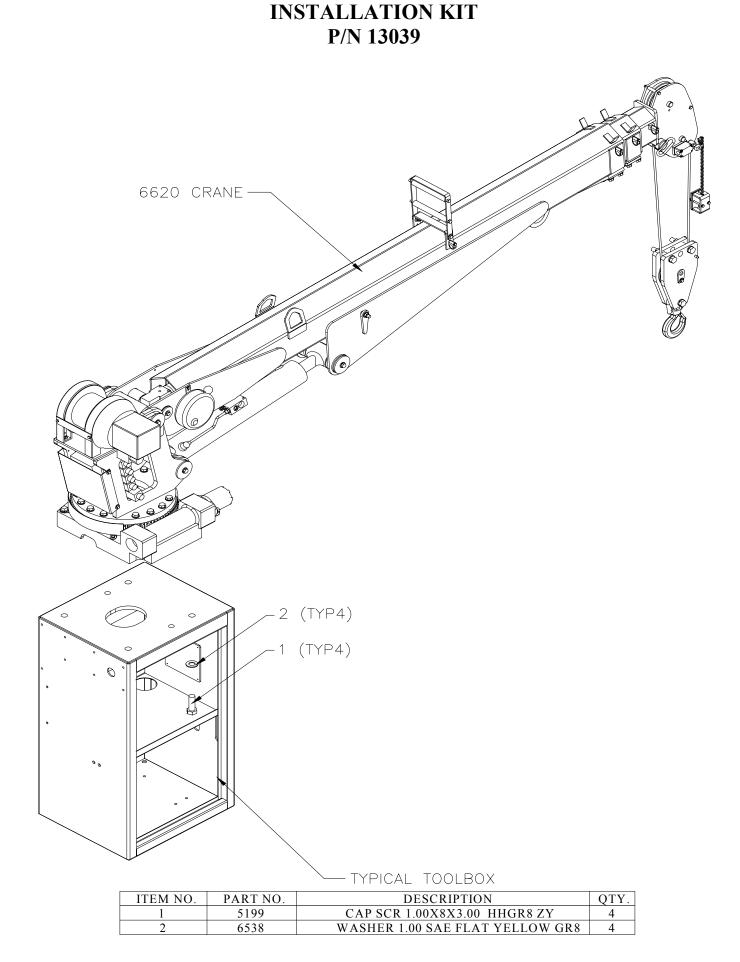
ITEM	PART No.	DESCRIPTION	QTY
01	11835	RADIO CONTROLLER ASSEMBLY	1
02	11847	RECEIVER - RADIO (PART OF 1)	REF
03	11834	TRANSMITTER - RADIO (PART OF 1)	REF
04	12134	WIRE HARNESS RADID/VB	1
05	13004	WIRE HARNESS PRESSURE SWITCH 6620	1
06	9752	CONNECT 2 PIN SHROUD	1
07	8384	CABLE SEAL	2
08	10978	CONTACT M/TERM SHROUD	2
09	10965	CABLE GROMMET	1
10	16255	BATTERY CHARGER W/BTRY 110-3.6V	1
11	6629	MAGNET 70# 2.80 DIA	1
12	6832	DECAL MAGNET COVER-2.94DIA	1
13	C6021	CAP SCR 0.25-20X0.75 BTNHD SS	1
14	0333	NUT 0.25-20 HHGR5 NYLOC	1

#### HYDRAULIC KIT

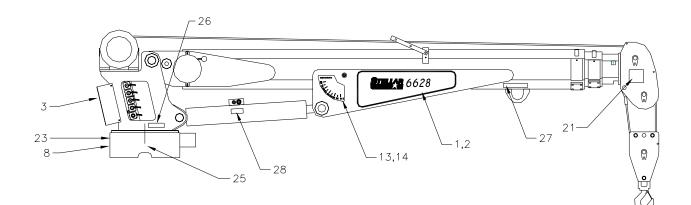
#### P/N 13042



24	11991	VALVE C-BAL PLUG	REF			
23	9803	VALVE C-BAL	REF			
22	C1175	FTG ELL 8-V50L0-S	1			
21	C4961	PLUG STR HOLLOW HEX 0.38 6-HP50N	2			
20	D1430	FTG ADAPT O'RING FMP 6-1/4 F50G-S	1			
19	12172	FTG SWIVEL 0.50 FS/FS PS81 JMJM-8-8	1			
18	12171	FTG SWIVEL 0.38 FS/FS PS81 JMJM-6-6	1			
17	6397	GAUGE OIL LF 2.5" 0-5000 CBM	1			
16	C5908	FTG 0.25 ML ELL	1			
15	0279	FTG ADAPT 6 F50L0-S	12			
14	D1193	FTG ADAPT 6-V50L0-S	1			
13	7343	FTG O'RING FS 45 DEG 6-8 V50L0				
12	D1302	FTG ST TH ELB 90 DEG 6-10 C50L0				
11	3861	FTG ML FM O'RING 90 DEG	1			
10	4587	SWITCH PRES OVERLD 744.6-S03R-3200N	1			
09			•			
08	25022	HOSE-HYD .50 X 5	1ref			
07	25021	HOSE-HYD .38 X 6	1ref			
06	13032	HOSE-HYD .38 X 13	1ref			
05	13031	HOSE-HYD .38 X 12	1ref			
04	13030	HOSE-HYD .38 X 39	2ref			
03	13029	HOSE-HYD .38 X 22.50	2ref			
02	13028	HOSE-HYD .38 X 17	2ref			
01	13026	HOSE KIT,6620 CRANE (incl:2-11)	1			
ITEM	PART No.	DESCRIPTION	QTY			



#### DECAL KIT P/N 31655



*15	12451	DECAL HOISTING PERSONNEL	1		*USE THESE DECALS WITH BODY PACKAGE				
14	D1197	DECAL-ANGLE INDICATOR LH	1						
13	D1196	DECAL-ANGLE INDICATOR RH	1	28	28256	DECAL WARNING OVERLOAD DEVICE	1		
*12	Ċ1179	DECAL-ELECTROCUTION 4.5×7.5	2	27	24712	DECAL CAUTION STOW HOOK	1		
*11	C5918	DECAL-DANGER MOVING O.R.	2	26	15172	DECAL ASME/ANSI B30.22/B30.5	1		
*10	C4795	DECAL-DANGER O.R.	2	25	15171	DECAL GREASE WORM DRIVE BEARINGS	1		
*09	4190	DECAL-DANGER	1	*24	C4545	DECAL-ELECTROCUTION 5x13	4		
08	9188	DECAL-ROTATE/GREASE	1	23	4188	DECAL-ROTATION ALIGNMENT	1		
*07	4189	DECAL-DANGER	1	*22	C4541	DECAL-CRANE STOWING	1		
06	4186	DECAL-ELECTROCUTION 2x2.75	1	21	12300	DECAL-TWO BLOCKING	1		
*05	C4544	DECAL-DANGER	1	*20	4214	DECAL-SERVICE	1		
*04	C4540	DECAL-DANGER	1	*19	C0568	DECAL-DIESEL	2		
*03	31072	DECAL CAPACITY	2	*18	12452	DECAL MANUAL EXT	1		
*02	31656	DECAL IDENTIFICATION CS	1	*17	C5911	DECAL-STELLAR 2×4.5	3		
01	31655	DECAL IDENTIFICATION SS	1	*16	C5910	DECAL-STELLAR 4×9.5	1		
ITEM	PART No.	DESCRIPTION	QTY	ITEM	PART No.	DESCRIPTION	QTY		

#### **STABILITY PROCEDURE**

Definition of **STABILITY** for the Stellar Telescopic Crane Products: A truck is stable until the load cannot be lifted off the ground with the winch, without tipping over the truck.

Every Stellar crane installed must be tested for stability to determine the actual load capacity of the final truck package. The actual test data must be recorded and supplied with the truck at the time of in-service and should be kept with the truck at all times. The following procedure will test the truck package for stability and will provide a stability capacity chart. The load limit information shown on the stability capacity chart is formulated on 85% of tipping.

### Set Up

-Locate the truck on a test course in position for loading and engage travel brakes.

-Set outriggers so that they make contact with firm, level footings.

-Operate the crane under partial load to assure operator proficiency and proper machine function.

#### Test Data for 6628 Crane

- <u>Maximum Horizontal Reach</u> – 336 inches (center of rotation to boom tip)

- Stability Test Weight – 1600#

#### **Test Procedure**

-Rotate the crane into zone 1 position.

-With the crane fully retracted and the boom horizontal, winch the test weight off the ground. Note: keep the weight within six inches of the ground at all times.

-Extend the boom outward until full extension has been reached or until the truck becomes unstable (again, use the winch to keep the weight within six inches of the ground).

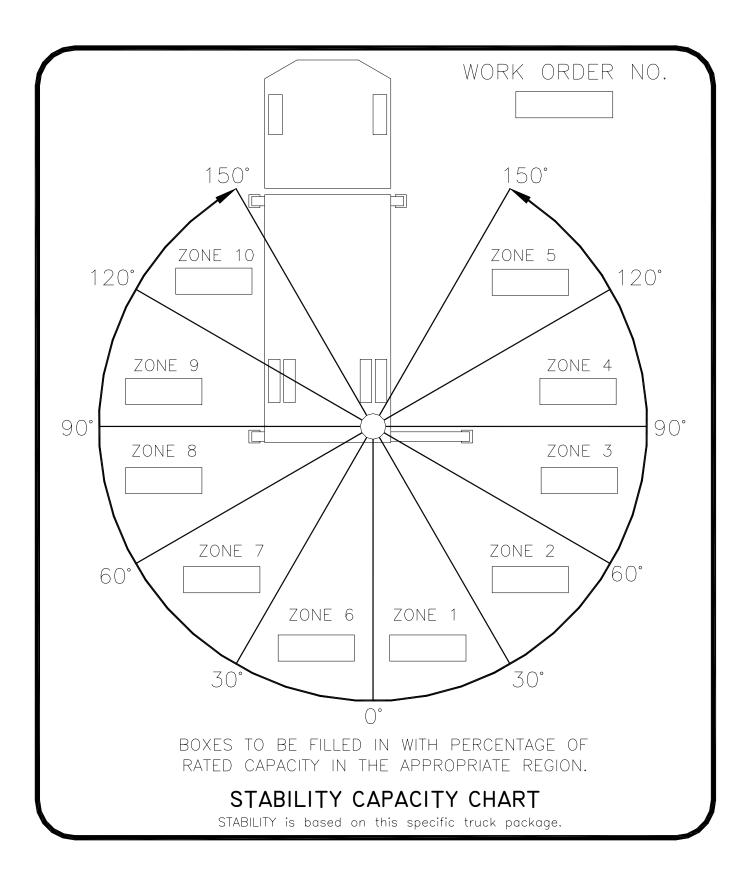
-If the boom goes full extension without becoming unstable, the crane is termed stable for this zone and 100% can be written in the zone 1 data box. -If the truck becomes unstable prior to going full extension - retract the boom until the truck becomes stable and measure the horizontal reach in this position (center of rotation to boom tip). This is the <u>stable horizontal reach</u> for this zone. Use the following formula to determine the percentage of rated capacity.

<u>Stable horizontal reach</u> divided by <u>Maximum horizontal reach</u> multiplied by 100 equals the percentage of rated capacity for this zone. Record this number in the data box for zone 1. This is the revised capacity due to stability for this zone.

-Repeat this procedure for each zone until the worksheet is completed.

-This is the revised CAPACITY based on STABILITY of this package.

#### **STABILITY CHART**



#### **Limited Warranty Statement**

#### for Stellar Tire Service Trucks, Truck-mounted Cranes, Truck-mounted Stellarc Welders & Truck-mounted Compressed Air Systems ONLY

**S**tellar Industries, Inc. (Stellar) warrants products designed and manufactured by Stellar to be free from defects in material and workmanship under proper use and maintenance. Products must be installed and operated in accordance with Stellar's written instructions and stated lifting capacities. The warranty period shall be Twelve (12) month warranty on all Stellar designed and fabricated parts, and Ninety (90) days repair labor.

The warranty period shall begin from the date recorded by Stellar as the in-service date. This date will be derived from the completed warranty registration card. In the event a warranty registration card is not received by Stellar, the factory ship date will be used. Stellar's obligation under this warranty is limited to, and the sole remedy for any such defect shall be, the repair and/or replacement (at Stellar's option) of the part and/or component in question. Stellar after-sales service personnel must be notified by telephone, fax, e-mail, or mail of any warranty-applicable damage within fourteen (14) days of it's occurrence. If at all possible, Stellar will ship the replacement part within 24-hours of notification by the most economical, yet expedient, means possible. Expedited freight delivery will be at the expense of the owner.

**W**arranty claims must be submitted and shall be processed in accordance with Stellar's established warranty claim procedure. Stellar Service personnel must be contacted prior to any warranty claim. A return materials authorization (RMA) account number must be issued to the claiming party prior to the return of any warranty parts. Parts returned without prior authorization will not be recognized for warranty consideration. All damaged parts must be returned to Stellar freight prepaid; freight collect returns will be refused.

Warranty service will be performed by any Stellar new equipment distributor, or by any Stellar-recognized service center authorized to service the type of product involved, or at the Stellar factory. At the time of requesting warranty service, the owner must present evidence of date of delivery of the product. The owner shall be obligated to pay for any overtime labor requested of the servicing company by the owner, any field service call charges, and any towing and/or transportation charges associated with moving the equipment to the designated repair/service provider.

All obligations of Stellar and it's authorized dealers and service providers shall be voided if someone other than an authorized Stellar dealer provides other than routine maintenance service without prior written approval from Stellar. In the case repair work is performed on the Stellar-manufactured product, original Stellar parts must be used to keep the warranty in force. The warranty may also be voided if the product is modified or altered in any way not approved, in writing, by Stellar engineering.

The owner/operator is responsible for furnishing proof of the date of original purchase of the Stellar product in question. Warranty registration is the ultimate responsibility of the owner and may be accomplished by the completion and return of the Stellar product registration card provided with the product. If the owner is unsure of registration, he is encouraged to contact Stellar at the address below to confirm registration of the product in question. This warranty covers only defective material and workmanship. It does not cover depreciation or damage caused by normal wear and tear, accident, mishap, untrained operators, or improper or unintended use. The owner has the obligation of performing routine care and maintenance duties as stated in Stellar's written instructions, recommendations, and specifications. Any damage resulting from owner/operator failure to perform such duties shall void the coverage of this warranty. The cost of labor and supplies associated with routine maintenance will be paid by the owner.

The only remedies the owner has in connection with the breach or performance of any warranty on the Stellar product specified are those set above. In no event will Stellar, the Stellar distributor/dealer, or any company affiliated with Stellar be liable for business interruptions, costs of delay, or for any special, indirect, incidental, or consequential costs or damages. Such costs may include, but are not limited to, loss of time, loss of revenue, loss of use, wages, salaries, commissions, lodging, meals, towing, hydraulic fluid, or any other incidental cost.

All products purchased by Stellar from outside vendors shall be covered by the warranty offered by that respective manufacturer only. Stellar does not participate in, or obligate itself to, any such warranty.

Hydraulic cylinders used in Stellar products are subject to the same warranty provisions stated above. Should a cylinder defect develop within the above stated warranty period, notify Stellar immediately. Stellar will ship, freight prepaid, by the most effective, expedient, means a new or re-manufactured cylinder of the same size and type. An authorization for return of the original part will be issued at the time the order is placed. The defective cylinder is to be returned to Stellar freight prepaid by the owner. Cylinders returned freight collect will be refused. Should the defective cylinder not be returned within 30 days of shipping the replacement cylinder, the owner is responsible to pay Stellar the full purchase price of the replacement part.

Stellar reserves the right to make changes in design or improvement upon it's products without imposing upon itself the same upon it's products theretofore manufactured.

This warranty will apply to all Stellar Tire Service Trucks, Truck-mounted Cranes, Truck-mounted Stellarc Welders & Truck-mounted Compressed Air Systems shipped from Stellar's factory after January 1,1997. The warranty is for the use of the original owner only and is not transferable without prior written permission from Stellar. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN. STELLAR INDUSTRIES, INC. IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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