
Manual Part # 99905439

Model 6000 Parts & Specifications

Revised: May 8, 2017



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Revisions

DATE	LOCATION	DESCRIPTION
20120815	99905420	ECN 11774 - ADDED CABLE GUIDE
	73734727	ECN 11783 - 73734727 WAS 73734635
20151109	51723636	ECN 11723-6-CHANGED 91723544 TO 91725601
20151222	51723174	CN 262-counterbalance valve
20160128	ECN12427-1	Changing winch suppliers from Dinamic to Braden.
20160405	99905420	CN284-changed 72532358 to qty 3, and added a fitting with a hex plug and updated drawing.
20160420	99905420	Added drawing that is effective through 04/17/13.
20160531	Introduction	Added fall protection tie-off information
20170413	77441537	Added missing schematics

CHAPTER 1

Introduction

This volume includes specifications, installation information, and spare parts drawings applicable to your particular crane. For operating, maintenance and repair instructions, see the Telescopic Crane Operation, Maintenance and Repair Manual (IMT part number 99905190).

It is your responsibility to operate and maintain this unit in a manner that will result in the safest working conditions possible. You must be aware of existing Federal, State and Local codes and regulations governing the safe use and maintenance of this IMT crane. The crane was designed and built to meet the standards of ANSI/ASME B30.5, Mobile & Locomotive Cranes. Contact the American Society of Mechanical Engineers (www.asme.org) for more information on ANSI/ASME B30.5.

Misuse of the crane through overloading, abuse, lack of maintenance and unauthorized modifications will void the warranty on any part of the unit subjected to this misuse. No warranty - verbal, written or implied - other than the official, published IMT new machinery and equipment warranty will be valid with this unit.

Throughout the manual, NOTES, CAUTIONS and WARNINGS are used to draw the attention of personnel. They are defined as follows:

NOTE

A NOTE is used to either convey additional information or to provide further emphasis for a previous point.

CAUTION

A CAUTION is used when there is the very strong possibility of damage to the equipment or premature equipment failure.

WARNING

A WARNING is used when there is the potential for personal injury or death.

For a safe work environment, treat this equipment with respect and service it regularly.

Personal Fall/Tie-Off Protection

When using IMT products for the purpose of personal fall protection, users shall read, understand, and follow the personal fall protection provisions of OSHA 29 CFR 1926.1423, paragraphs (g) *Anchorage criteria*; (j) *Anchoring to the load line*; (k) *Training*. Note OSHA sections, 1926.502(d)(15)* and 1926.502(e)(2)*, are cross-referenced in this section and is up to the user to read, understand, and follow these regulations. The above-referenced provisions within OSHA address specific personal fall protection requirements; however, users of IMT products are required to read, understand and follow all OSHA, industry, workplace, and employer-created regulations governing the use of this product, which includes, but is not limited to, 29 CFR 1926.1423. The user is also required to read, understand, and follow IMT's warnings and instructions. Nothing within this letter should be interpreted to limit or excuse non-compliance with the above requirements in their entirety.

When using IMT products with personal fall protection as described above, users shall utilize a two-part line with the snatch block installed on the winch load line. The personal fall protection shall be attached to the hook on the snatch block. The personal fall protection device shall be connected to the hook on the snatch block only if the hook has the original safety latch on the hook. At no time shall anyone use the hook on the snatch block for purposes of attaching personal fall protection if the safety latch is not original to the hook, or is missing or damaged, and/or if the safety latch is not properly functioning. At no time shall anyone use the winch wire-rope as a tie-off point for personal fall protection. The failure to follow the above regulations and strict adherence to all applicable OSHA, industry, workplace, employer-created, and IMT warnings and instructions can lead to personal injury or death.

These OSHA regulations can be found at:

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=67

* In order to use this method, the hook must have a safety latch, the crane must be capable of supporting 5,000 pounds (refer to the load chart affixed to the crane), limit the fall to less than 6-feet, and not allow a swinging fall. Crane hooks should be used only where there is no other suitable anchor point.

CHAPTER 2

Specifications

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Model 6000 Specifications

GENERAL SPECIFICATIONS	
CRANE RATING (Crane rating (ft-lb) is the rated load (lb) multiplied by the respective distance (ft) from centerline of rotation with all extensions retracted and lower boom in horizontal position.)	39,000 ft-lb (5.4 tm)
HORIZONTAL REACH - FLIP SHEAVE UP (From centerline of rotation)	22'-6" (6.9 m)
HORIZONTAL REACH - FLIP SHEAVE DOWN (From centerline of rotation)	21'-8" (6.6 m)
FULLY RETRACTED LENGTH	11'-11" (3.6 m)
HYDRAULIC EXTENSIONS (2)	60" (152 cm) & 57" (145 cm)
LIFTING HEIGHT (From base of crane)	23'-10" (7.3 m)
CRANE WEIGHT	1,785 lb (810 kg)
CRANE STORAGE HEIGHT	40.6" (103 cm)
MOUNTING SPACE REQUIRED (Crane base)	20" x 21" (50.8 cm x 53.3 cm)
OPTIMUM PUMP CAPACITY	10 -12 U.S gpm (37.9 - 45.4 l/min)
SYSTEM OPERATING PRESSURE	3200 psi (221 bar)
CENTER OF GRAVITY	
▪ Horizontal from Centerline of Rotation	42" (106.7 cm)
▪ Vertical from Bottom of Crane Base	19.6" (49.8 cm)
TIE-DOWN BOLT PATTERN (4 bolts)	14.75" x 14.75" (37.5 cm x 37.5 cm)
ROTATIONAL TORQUE	9,000 ft-lb (1.2 tm)

PERFORMANCE CHARACTERISTICS		
	SPECIFICATIONS	SPEED
ROTATION	400° (7.0 rad.)	30 seconds
LOWER BOOM ELEVATION	-10° to +80° (-0.17 to +1.4 rad)	12 seconds to raise or lower
EXTENSION CYLINDERS (2)	60" & 57" (152 cm & 145 cm)	33 seconds to extend or retract
WINCH SPEED (single line)		60 feet per minute

POWER SOURCE

PTO DRIVEN - Integral mounted hydraulic pump and PTO application. Other standard power sources may be used. Minimum power required is 23.5 horsepower based on 10-12 GPM (37.9 - 45.4 liters/min) at 3200 psi (221 bar).

CYLINDER HOLDING VALVES

The holding sides of all cylinders are equipped with integral-mounted counterbalance valves or load-holding check valves to prevent sudden cylinder collapse in case of hose failure.

ROTATION SYSTEM

Rotation of the crane is accomplished through a turntable gear bearing powered by a high-torque hydraulic motor through worm gear reduction. Standard rotation is 400° (6.98 rad).

HYDRAULIC SYSTEM (PTO DRIVEN)

The hydraulic system is an open-centered, full-pressure system that requires 10-12 GPM (37.9 - 45.4 liters/min.) optimum oil flow at 3200 psi (221 bar). It is equipped with a four-section, stack-type, electric, remote control valve with an RF remote-control system with a 30' (9.1 m) radio elimination cable. The system includes a separate hydraulic oil reservoir, suction line filter, return-line filter and control valve.

OVERLOAD PROTECTION SYSTEM

Overloading of the crane is prevented by the overload protection system. A pressure transducer mounted on the lower cylinder senses overload conditions. When in an overload situation, the winch-up, extension-out, and boom-down functions are stopped. To relieve the situation, raise the boom, retract the extensions, or lower the winch.

WINCH

The 4,300 lb (1,950 kg) planetary winch is powered using a high-torque hydraulic motor. The lifting capacity of the winch is 4,300 lb (1,950 kg) one-part line. Maximum two-part line capacity is based on the maximum crane capacity. The winch is equipped with 85 ft (25.9 m) of 3/8" (9.5 mm), 6X25 FW PRF RRL IWRC XIPS wire rope. A compact, anti-two block device is included to prevent the lower block or hook assembly from coming in contact with the boom sheave assembly. The winch meets ANSI B30.5 standards.

6000 Minimum Chassis Specifications

CRANE MODEL	6000
CHASSIS STYLE	Conventional Cab
BODY STYLE	Dominator™ I or II
CAB-TO-AXLE (1)	60 - 120" (152 - 305 cm)
RESISTANCE TO BENDING MOMENT	600,000 in-lb (69,127 kg-m)
FRAME SECTION MODULUS	14.2 cubic inches (232.7 cc)
RATED MOMENT	47,000 ft-lb (5415 kg-m)
GROSS VEHICLE WEIGHT RATING (2)	15,000 lb (6,805 kg) minimum (Dominator I application) 26,000 lb (11,793 kg) minimum (Dominator II application)

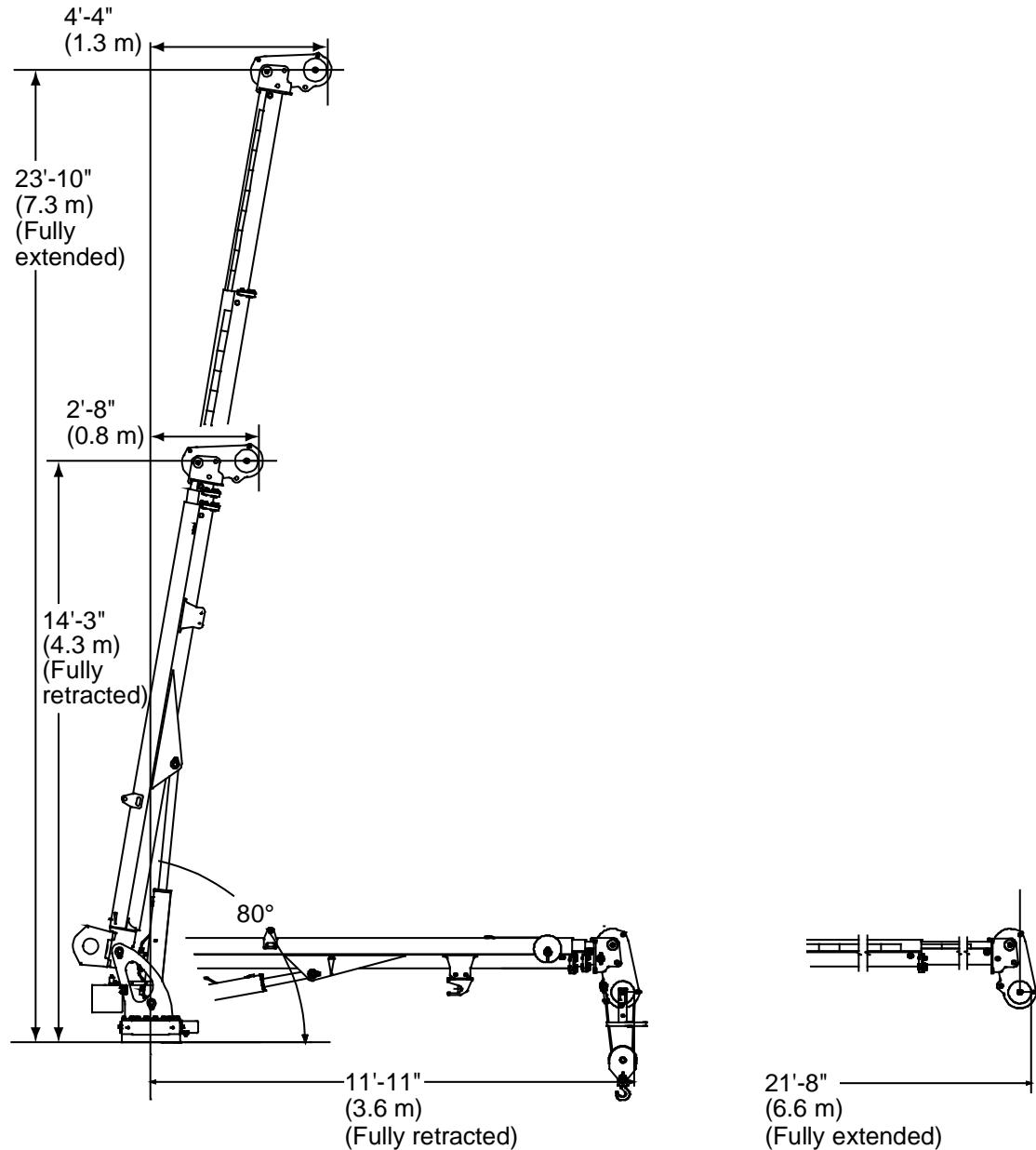
NOTES:

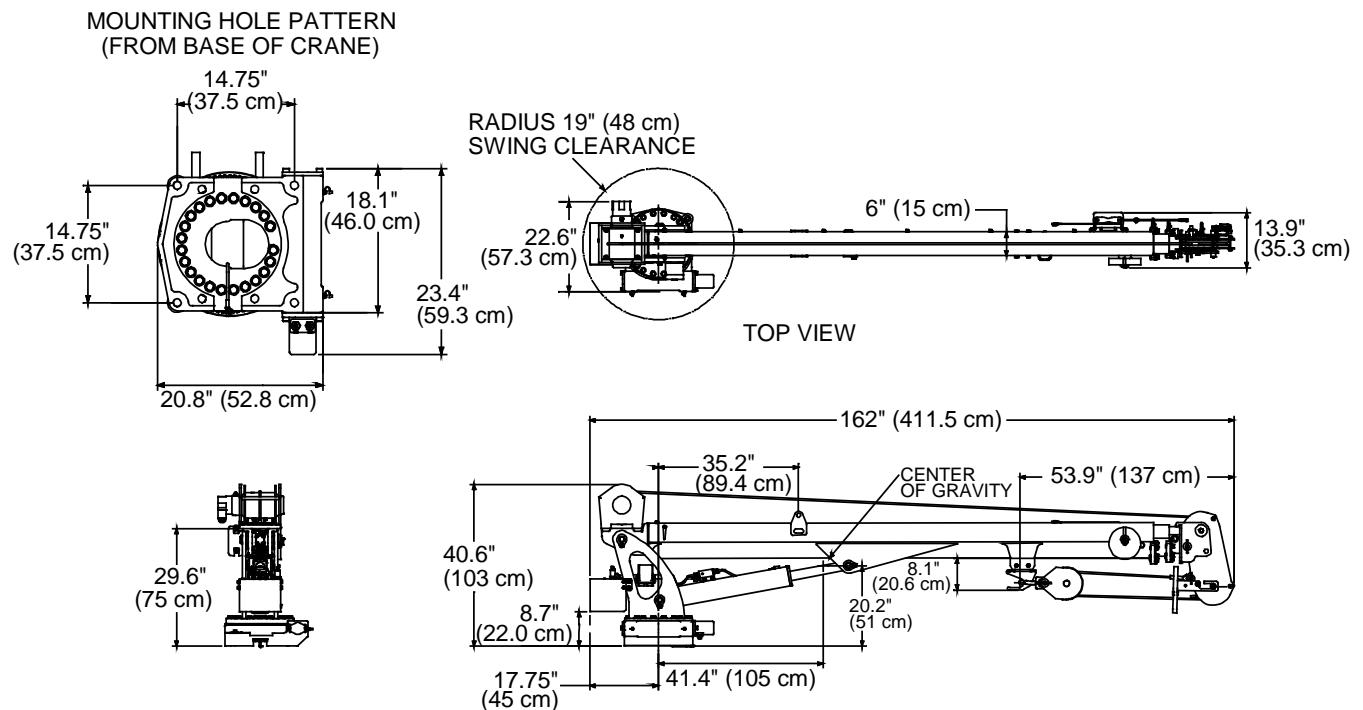
- 1 The Cab to Axle (CA) dimension varies based on the configuration of the body, crane, and auxiliary equipment including welder decks. Make sure the CA is free and clear from obstructions everywhere except between the frame rails.
- 2 The Gross Vehicle Weight Rating (GVW) is a minimum guideline. Contact IMT if you have questions regarding your particular installation.
- 3 In addition to these specifications, heavy duty electrical and cooling systems are required. It is recommended that the vehicle be equipped with an engine tachometer, auxiliary brake lock, and power steering.
- 4 Weight distribution calculations are required to determine final axle loading.
- 5 All chassis, crane and body combinations must be stability-tested to ensure stability per ANSI B30.5

Iowa Mold Tooling Co., Inc. reserves the right to change specifications and design without notice.

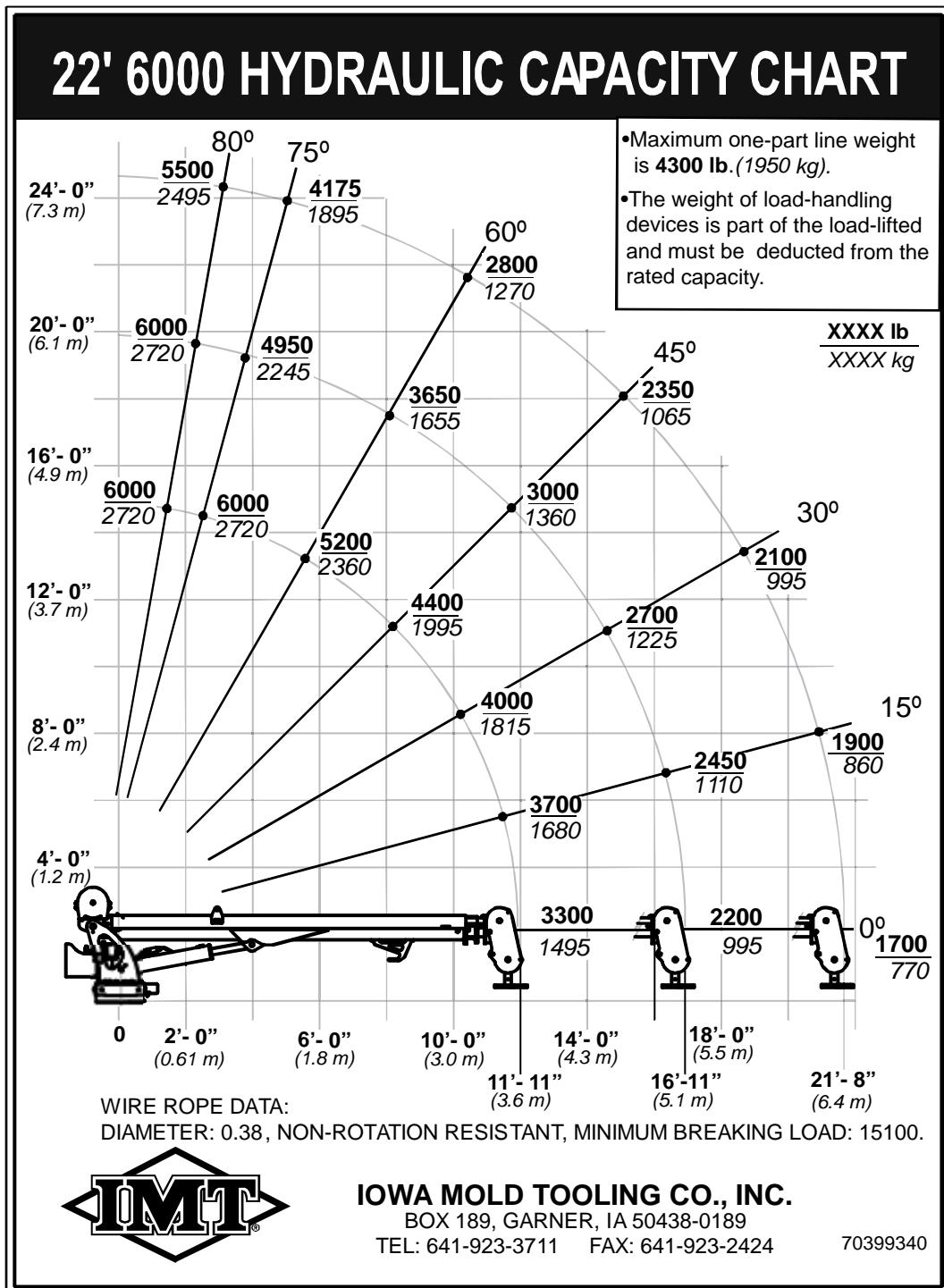
Dimensional Drawing

Dimensions for 22' 6000, 7500 and 8600 Crane





6000 Capacity Chart



CHAPTER 3

Crane Reference

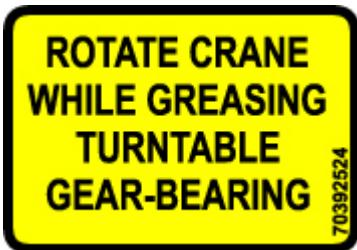
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Greasing Instructions

Different lubricants are required for different sections of your crane. Contact your lubricant supplier for specific product information. Follow the grease and lubricant specifications and intervals listed in this manual for best results.

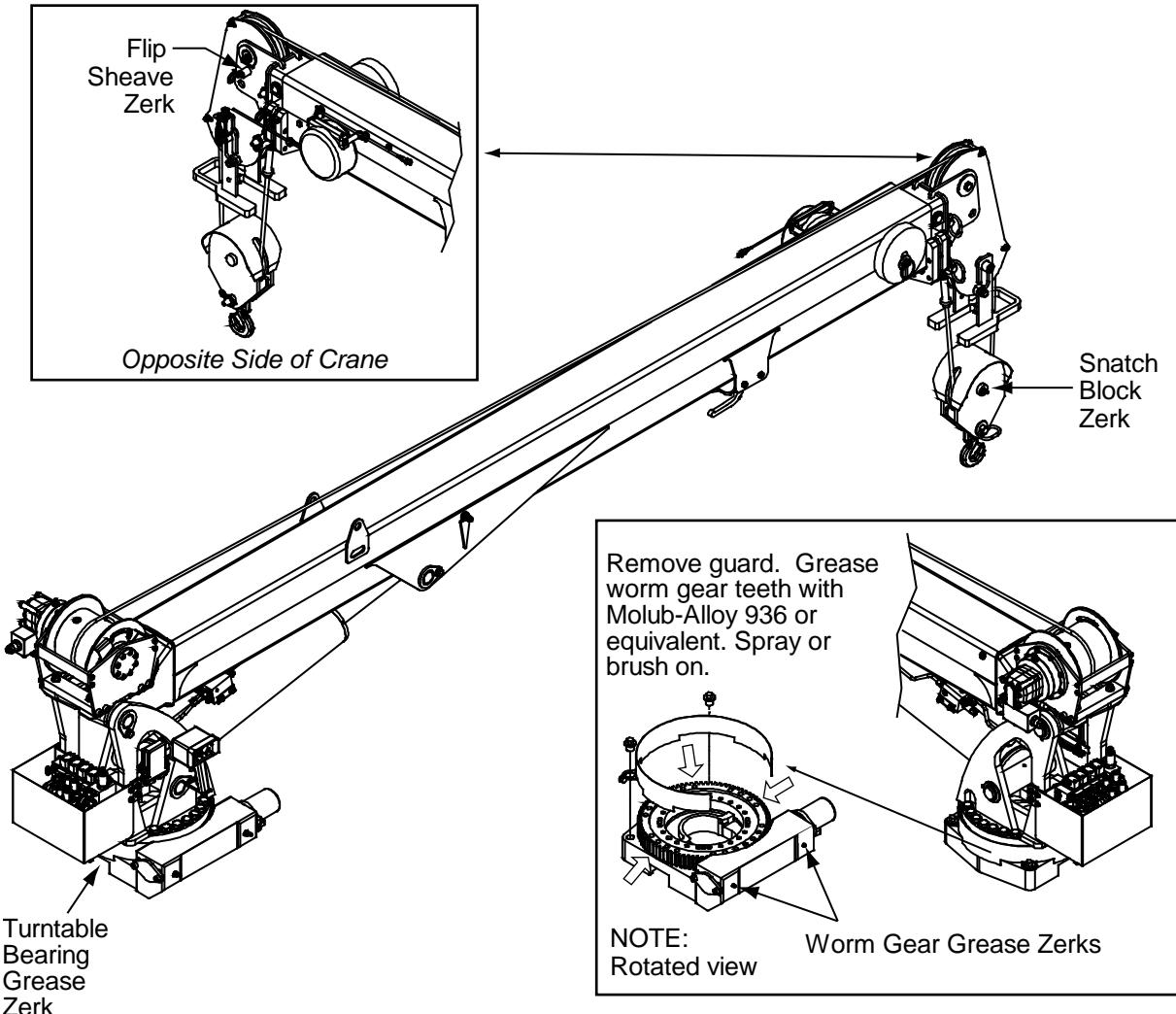
Crane grease zerks must be greased on a weekly basis during normal operating conditions. Under severe operating conditions the zerks must be greased more frequently. Each grease zerk is marked with a decal, "Grease Weekly", as shown. Rotate the worm gear bearing when greasing the worm gear bearing grease zerks.



Crane worm gear bearing teeth must be lubricated weekly with Molub-Alloy 936 or equivalent, applied with a grease gun or brush. Cover all teeth with grease and leave no exposed metal surfaces showing.

**Weekly, remove cover and lubricate with
IMT recommended
open-gear compound while rotating crane.
IMT part number: 89086244**

70392399



LOCATION	LUBRICANT	APPLICATION METHOD	FREQUENCY
Base - Turntable Bearing Grease Zerk	Extreme Pressure Lithium Grease such as Shell Alvania 2EP, Shell Retinax "A", Mobilgrease XHP 462, Cenex ML 365, Xtreme True-Flo MP EP2 Lithium Grease or equivalent.	Apply with hand or pneumatic pressure grease gun.	Weekly
Flip Sheave Pin Snatch Block Pin			
Worm Gear Bearings Grease Zerks (*Rotate crane while greasing)			
Rotation Worm Gear Teeth	Molub-Alloy 936 or equivalent	Brush or spray on.	Weekly

6000 Recommended Spare Parts

This parts list is intended to provide the user with a stock of parts sufficient to keep the unit operating with the minimal down-time waiting for parts, but it does not indicate these items will fail within a year. In addition, there may be parts failures not covered by this list. Parts not listed are considered as not being Critical or Normal Wear items during the first year of operations.

BASE & MAST ASSEMBLY		
73051919	HYDRAULIC MOTOR	1
72601949	CAP SCREW 0.50-13 X 1.25 SHZC	2
72060177	CAP SCREW .62-11X 3.00 HH GR8 Z	19
BOOM ASSEMBLY		
60030433	WEAR PAD-RC	1
60030339	WEAR PAD-ROUND	2
60030432	WEAR PAD-RC	1
60030431	WEAR PAD-RC	4
60030425	WEAR PAD-ROUND	2
60030427	WEAR PAD-ROUND	4
ANTI-TWO-BLOCK ASSEMBLY		
77041863	LIMIT SWITCH	1
CRANE & WINCH ASSEMBLY		
52719629	PIN	2
52723197	PIN	1
71073035	HOOK, 5.0 TON	1
70580182	WIRE ROPE ASSEMBLY	1
60030134	SHEAVE	1
LOWER CYLINDER (51723577)		
94399127	SEAL KIT	1
WINCH (70570761)		
IN PROCESS		
VALVE BANK (73734727)		
94399213	SEAL KIT, CONNECTION BLOCK	1
94399214	SEAL KIT, VALVE SECTIONS	1
77041898	SOLENOID, 12V	1

Installation Introduction

GENERAL

This section contains instructions for the installation of your crane. Prior to installing the crane and hydraulic components, make sure that the chassis is ready to receive the crane (see the Installation Section of the IMT Telescopic Crane Operation & Safety Manual, 99905190).

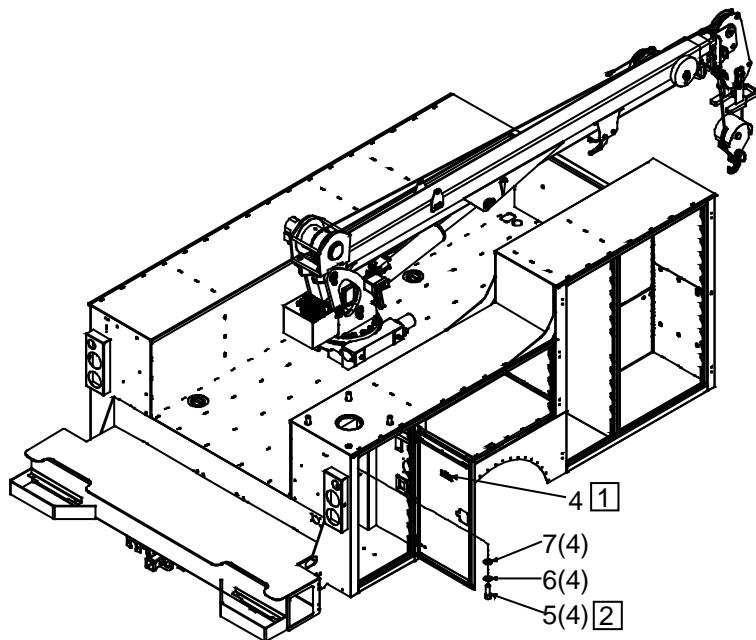
Reinforce the chassis frame, as necessary, and install the PTO and pump.

Each installation may vary in components used. It is important to use hoses of proper length, pumps of correct size, and PTO's of adequate speed. Study the applicable installation kit in the parts section before attempting any installation.

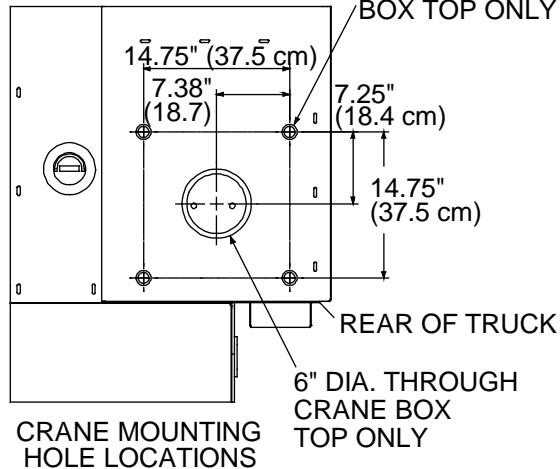
CRANE INSTALLATION

In addition to meeting Minimum Chassis Specifications, there must be sufficient room to mounting the crane and the platform must be strong enough to support the crane and rated load. Install the crane only on an IMT designed and approved truck body. The body must be designed to sustain the forces imposed by the crane when lifting the full rated load. In addition, an IMT designed body is designed to take full advantage of the standard reservoir placement. This reservoir is installed in the cargo area of the body. Before attempting to install the crane, the body must be installed.

Dominator I - 6000 & 7500 Installation Kit (99905066)



4 HOLES, 1.13" DIA
THROUGH CRANE
BOX TOP ONLY

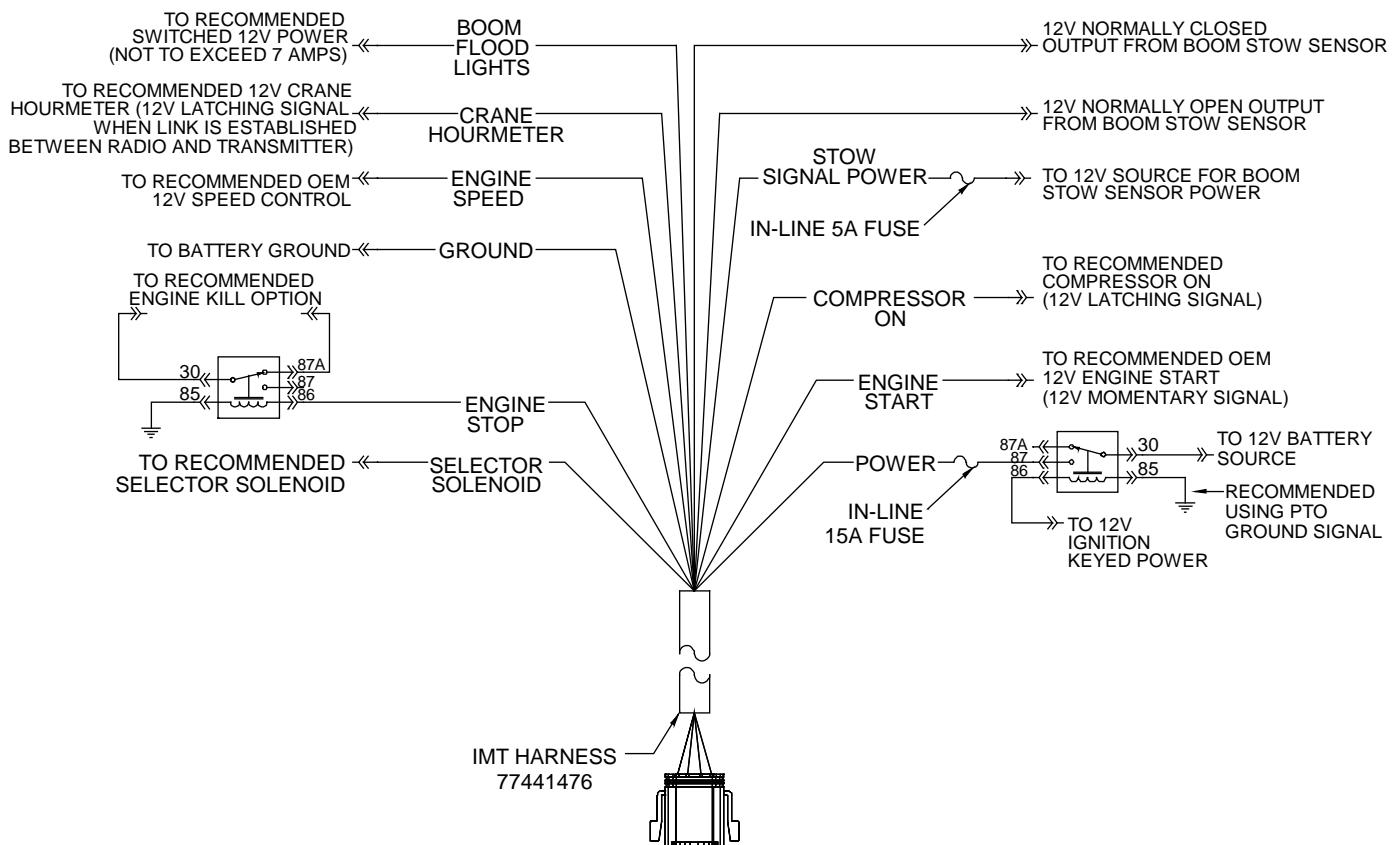


NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 INSTALL THE LEVEL INDICATOR (72042097) PARALLEL TO THE DOOR REINFORCEMENTS.
- 2 TORQUE MOUNTING BOLTS TO 680 FT-LB (94 KG-M). (4 PLACES) USE THE SUPPLIED 3" (7.6 cm) BOLTS WITH A CRANE BOX TOP PLATE THICKNESS OF 1/2" TO 5/8" (1.3 cm TO 1.6 cm) ONLY. DETERMINE THE THICKNESS OF THE CRANE BOX TOP PLATE PRIOR TO MOUNTING. IF DIFFERENT LENGTH BOLTS ARE REQUIRED, THEY MUST BE 1-8, GRADE 8, ZINC COATED, OF PROPER LENGTH. FAILURE TO USE PROPER LENGTH BOLTS MAY CAUSE THE BOLTS UNDER THE CRANE SWING BEARING TO BOTTOM OUT BEFORE TORQUING. INSURE A MINIMUM OF 1-1/2 THREAD ENGAGEMENT.

99905066 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	93713668	INSTALLATION KIT, 7500			1
2.	CRANE	CRANE ASSEMBLY		REF	
3.	BODY	DOMINATOR BODY		REF	
4.	72042097	LEVEL INDICATOR LEVEL		#1	1
5.	72601748	CAP SCREW	1.00-8 x3 SOCKET HEAD GRADE 8	#1	4
6.	72063066	WASHER	1" FLAT HIGH STRENGTH	#1	4
7.	60123848	WASHER-SPECIAL	1" X 2" X 0.25"	#1	4
8.	72063286	WASHER-FLAT	1"	#1	4
REV C 20120430					

Additional Installation Components, Non-IMT Body (93713748)**Chassis Wiring Harness (77441476 / 99905212)**

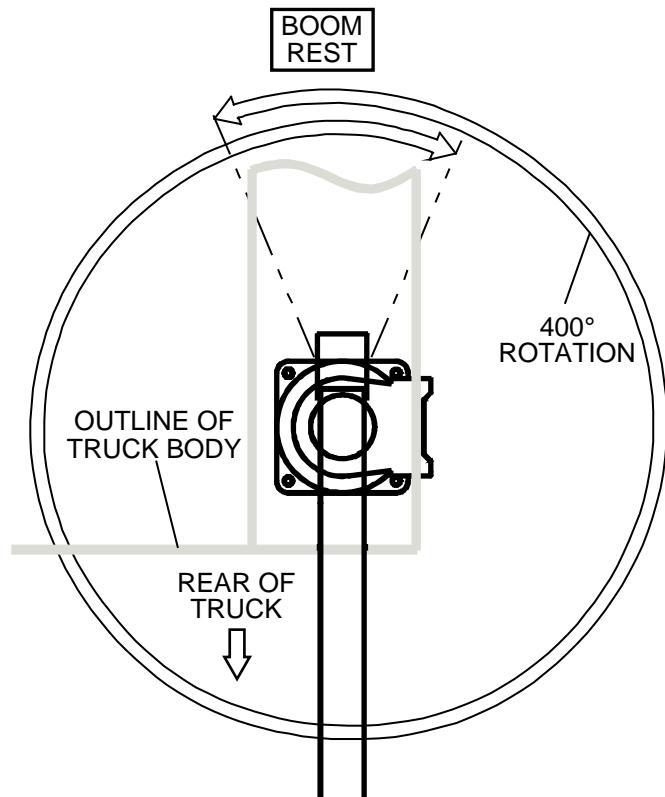
Filter (10 micron) (73052091)

Used on ship-out IMT telescopic cranes.

Telescopic Crane Orientation

When an IMT telescopic crane is not factory-installed on a body, the crane is packed with the boom oriented as it is built on a test stand to facilitate handling. Install the crane on the body with boom pointing backward. Once the crane is bolted down, it can be rotated 180° (3.14 radians) to the boom rest.

With non-factory-installed cranes, a loose hose sleeve is included in the box with the installation kit. After the crane is installed, rotated and placed in the boom support, wrap the hose sleeve around the hoses, then slide sleeve toward the fittings to protect the hoses during rotation.





Viewed looking up from crane box. The pressure, return, and rotation hoses are wrapped in the 60350105 hose sleeve.

Crane Controls

IMT's telescopic cranes are controlled by radio remote controls. See the *Telescopic Crane Radio Remote System* manual, IMT # 99905114, for complete details on the radio remote system.

CHAPTER 4

Parts

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Parts Information

GENERAL

This section contains the exploded parts drawings and accompanying parts lists for the assemblies used on this crane. These drawings are intended to be used in conjunction with the instructions found in the maintenance and repair manuals for this crane family. For optional equipment such as winches and remote controls, refer to the appropriate service manual.

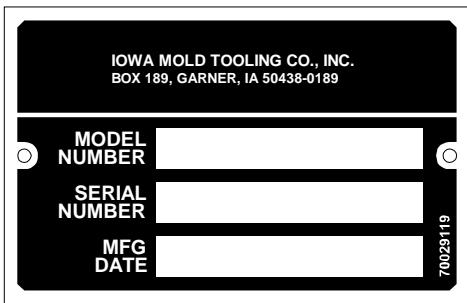
WARNING

DO NOT ATTEMPT TO REPAIR ANY COMPONENT WITHOUT READING THE INFORMATION CONTAINED IN THE REPAIR SECTION. PAY PARTICULAR ATTENTION TO STATEMENTS MARKED WARNING, CAUTION, OR NOTE IN THAT SECTION. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THE EQUIPMENT, PERSONAL INJURY, OR DEATH.

CRANE IDENTIFICATION

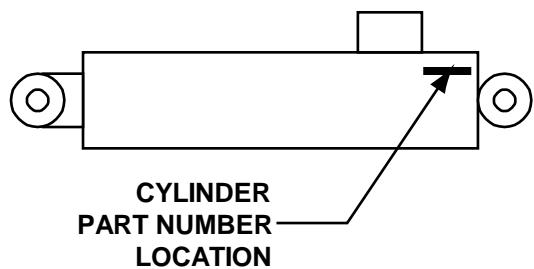
Every IMT crane has an identification placard (see figure). This placard is attached to the inner boom, mast, or crane base. When ordering parts, communicating warranty information, or referring to the unit in correspondence, always include the serial number and model numbers. Address all inquiries to your authorized IMT distributor or to:

Iowa Mold Tooling Co., Inc.
Box 189, Garner, IA 50438-0189
Telephone: 641-923-3711
Technical Support Fax: 641-923-2424



CYLINDER IDENTIFICATION

To insure proper replacement parts are received, it is necessary to specify the complete number/letter sequence for any part requested. Part numbers may be cross checked by comparing the stamped identification on the cylinder case (See figure below) against the information contained in the service manual. You must include the part number stamped on the cylinder case when ordering parts.



WELDMENT IDENTIFICATION

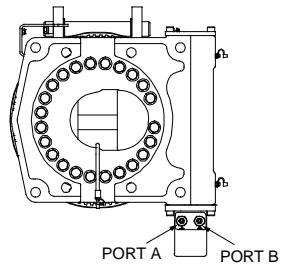
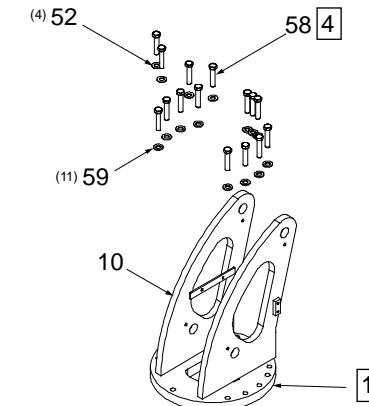
Each of the major weldments - base, mast, inner boom, outer boom, extension boom and stabilizer weldments bear a stamped part number. Any time a major weldment is replaced, you must specify the complete part number as stamped on the weldment. The locations of the part numbers are shown in the Crane Reference Section.

ORDERING REPAIR PARTS

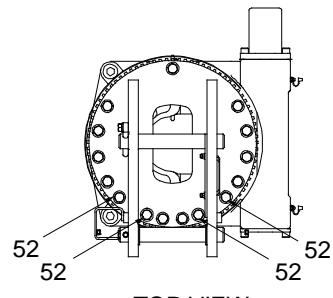
When ordering replacement parts:

- 1 Give the model number of the unit.
- 2 Give the serial number of the unit.
- 3 Specify the complete part number. When ordering cylinder parts, or one of the main weldments, always give the stamped part number.
- 4 Give a complete description of the part.
- 5 Specify the quantity required.

Base & Mast Assembly – Test Stand Mount (99905420) Effective 03/21/16



BOTTOM VIEW
PORT IDENTIFICATION



TOP VIEW
CUT WASHER LOCATION

TEST STAND MOUNT

NOTES:

1. USE RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST AND TOP OF GEAR BOX.
2. APPLY BLUE THREAD LOCKER.
3. APPLY GEAR LUBE ON GEAR TEETH.
4. TORQUE TO 160 FT-LB.

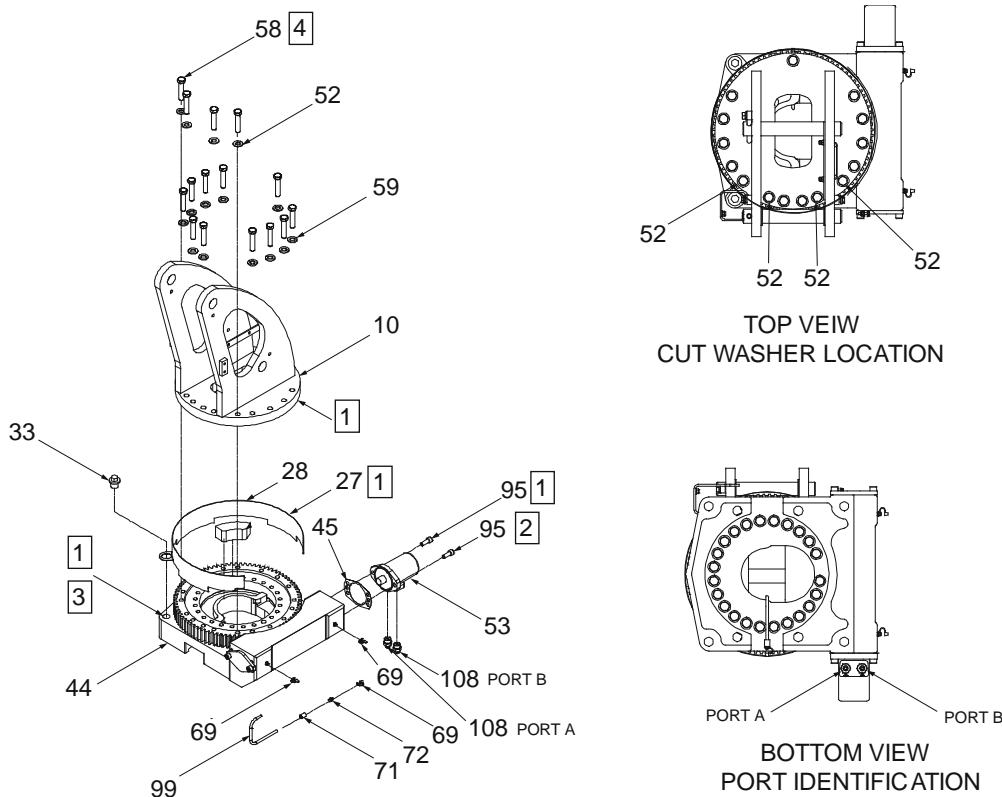
BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON TEST STAND

99905420-3 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
10	52725122	MAST WLDmnt-SERIES III S		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
33	70029595	THREADED PLUG 1.00-8 (3816)		2
44	71056543	GEAR ROTATOR 5020 170-00012-1		1
45	76039295	GASKET-GEA19 008-10056-1	#44	1

52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1
58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	#1	15
59	72063119	WASHER .62 FLAT ASTM F436	#1	11
69	70034382	CAP-GREASE PRO20 GC-RED	#5	6
71	72053301	COUPLING-GLV .12 SCH 40	#5	1
72	72053508	ZERK-NPT .12	#5	4
95	72601949	CAP SCR .50-13X 1.25 SH ZC	#5	2
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5	1
108	72533613	ADPTR-M STR/M JIC 10 6	#6	2
REV. AA 20160405				

Base & Mast Assembly – Truck Mount (99905420) Effective 03/21/16



NOTES:

1. USE RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST AND TOP OF GEAR BEARING.
2. APPLY BLUE TRHEAD LOCKER.
3. APPLY GEAR LUBE ON GEAR TEETH.
4. TORQUE TO 160 FT-LB.

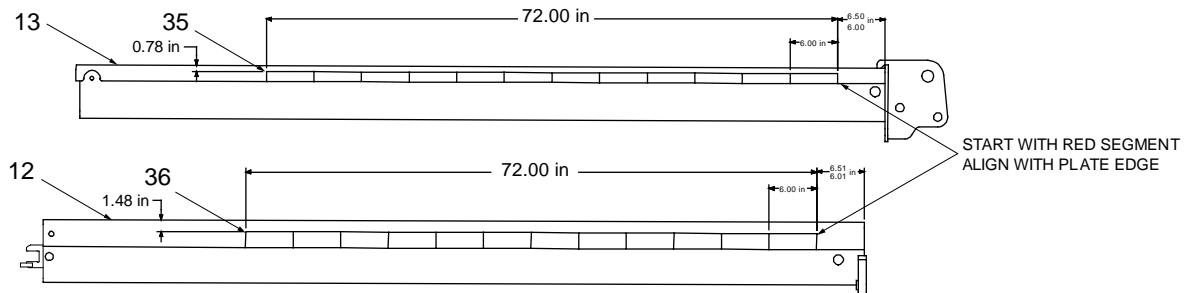
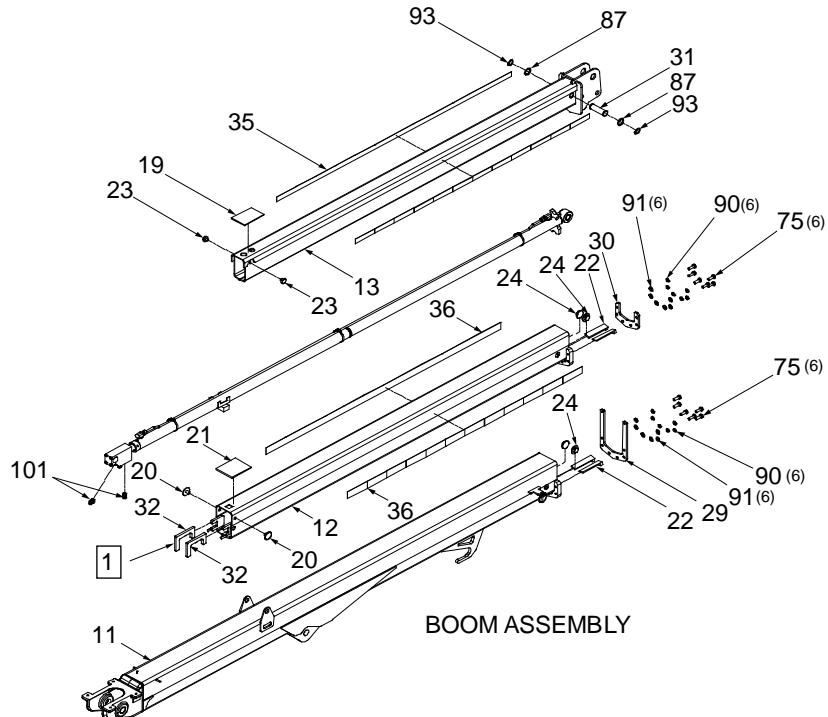
BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON TRUCK

99905420-4 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
10	52725122	MAST WLMNT-SERIES III S		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
33	70029595	THREADED PLUG 1.00-8 (3816)		2
44	71056543	GEAR ROTATOR 5020 170-00012-1		1
45	76039295	GASKET-GEA19 008-10056-1	#44	1
52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1

58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	#1	15
59	72063119	WASHER .62 FLAT ASTM F436	#1	11
69	70034382	CAP-GREASE PRO20 GC-RED	#5	6
71	72053301	COUPLING-GLV .12 SCH 40	#5	1
72	72053508	ZERK-NPT .12	#5	4
95	72601949	CAP SCR .50-13X 1.25 SH ZC	#5	2
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5	1
108	72533613	ADPTR-M STR/M JIC 10 6	#6	2
REV. AA 20160405				

Boom Assembly (99905420) Effective 03/21/16



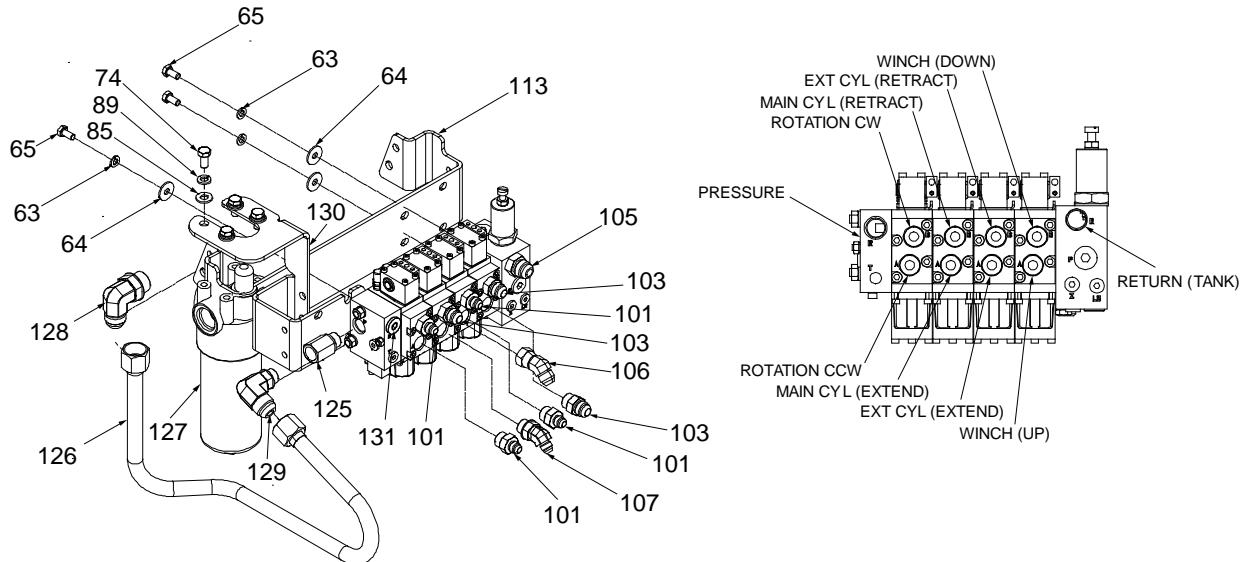
NOTES:

1. INSTALL EXTENSION CYLINDER FIRST, ADD RETAINERS NEXT, INSTALL WEAR PADS LAST.

99905420-5 PARTS LIST Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
11	52725158	WLDMNT-LOWER BOOM 7500-8600S		1
12	52725159	WLDMNT-1st STAGE EXT BOOM 7500S		1
13	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
19	60030433	WEAR PAD-RC 0.19 X 6.00X 4.00		1
20	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21	60030432	WEAR PAD-RC 0.25 X 6.00X 5.00		1

22	60030431	WEAR PAD-RC 0.25X 6.00X 1.25		4
23	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
29	60140900	CAP-LOWER BOOM	#111	1
30	60136129	CAP-FIRST STAGE		1
31	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32	60127979	PLATE-EXT CYL C-CLIP		2
35	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2
36	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15
87	72063035	MACHY BUSHING 1.25X10 GA NR	#5	2
90	72063053	WASHER .50 LOCK	#5	15
91	72063132	WASHER .50 FLAT ASTM F436	#5	17
93	72066129	RETAINING RING-EXT 1.25 HD	#5	2
101	72532356	ADPTR-M STR/M JIC 8 6	#6	6
REV. AA 20160405				

Valve Bank Assembly (99905420) Effective 03/21/16



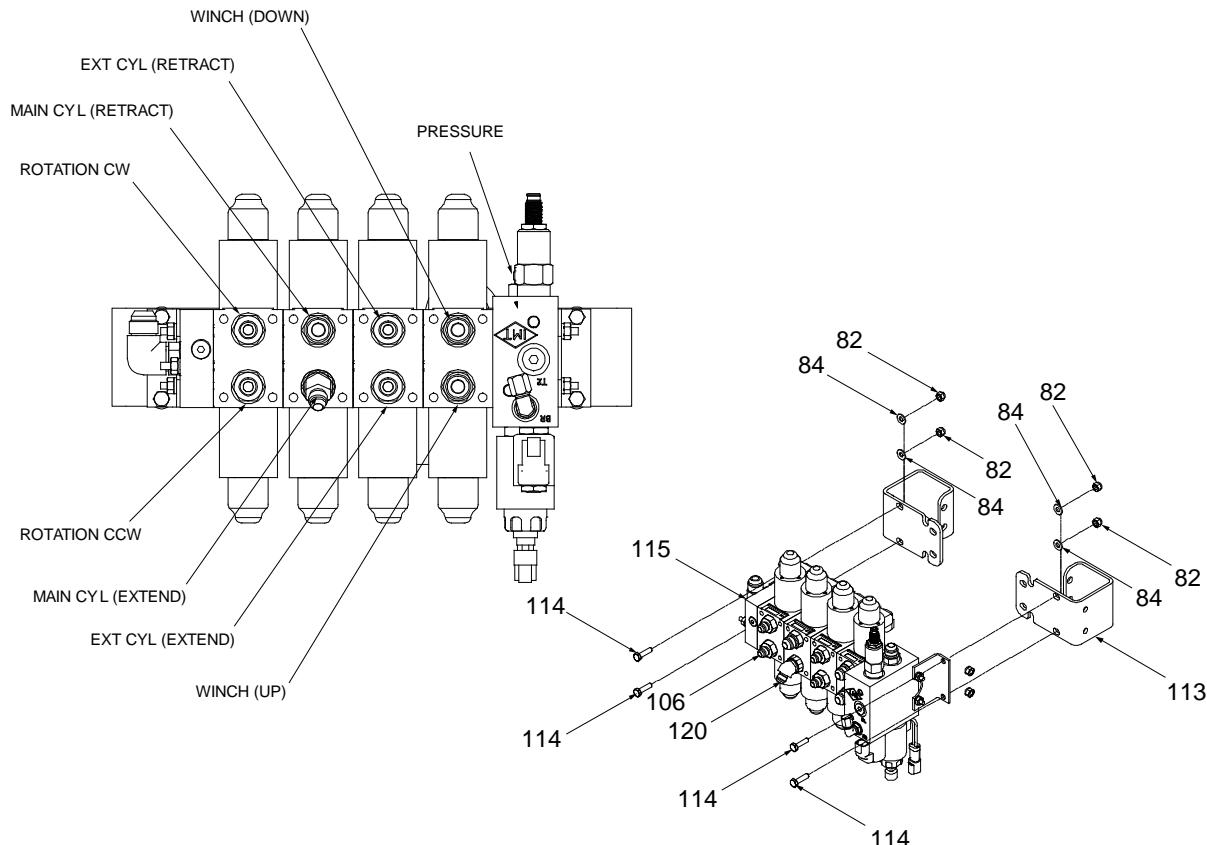
FULLY PROPORTIONAL VALVE BANK ASSEMBLY

99905420-6 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
63	72601797	WASHER-LOCK 8MM	#3	4
64	72602065	WASHER-FLAT M 8	#3	4
65	72602052	CAP SCR M 8-1.25X 16 HHZ	#3	4
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	#5	8
85	72063003	WASHER .38 FLAT	#5	12
89	72063051	WASHER .38 LOCK	#5	8
101	72532356	ADPTR-M STR/M JIC 8 6	#6	6
103	72532358	ADPTR-M STR/M JIC 8 8	#6	3
105	72532361	ADPTR-M STR/M JIC 8 10	#6	1
106	72532670	ELBOW-M JIC/45/F JIC 8 8	#6	1
107	72533583	ELBOW-M STR/45/M JIC 8 6	#6	1
113	60140839	BRKT-MAST VB 6000-8600S		2
125	72534898	O-RING EXTENDER 08-08		1
126	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
127	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1

99905420-6 PARTS LIST Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
130	60143075	BRKT-MAST VB 6000-8600S FP		1
131	72532686	PLUG-STR SOC HD STL 8 (.75 THD)	#6	1
REV. AA 20160405				

Single Proportional Valve Bank Assembly (99905420) Effective 03/21/16



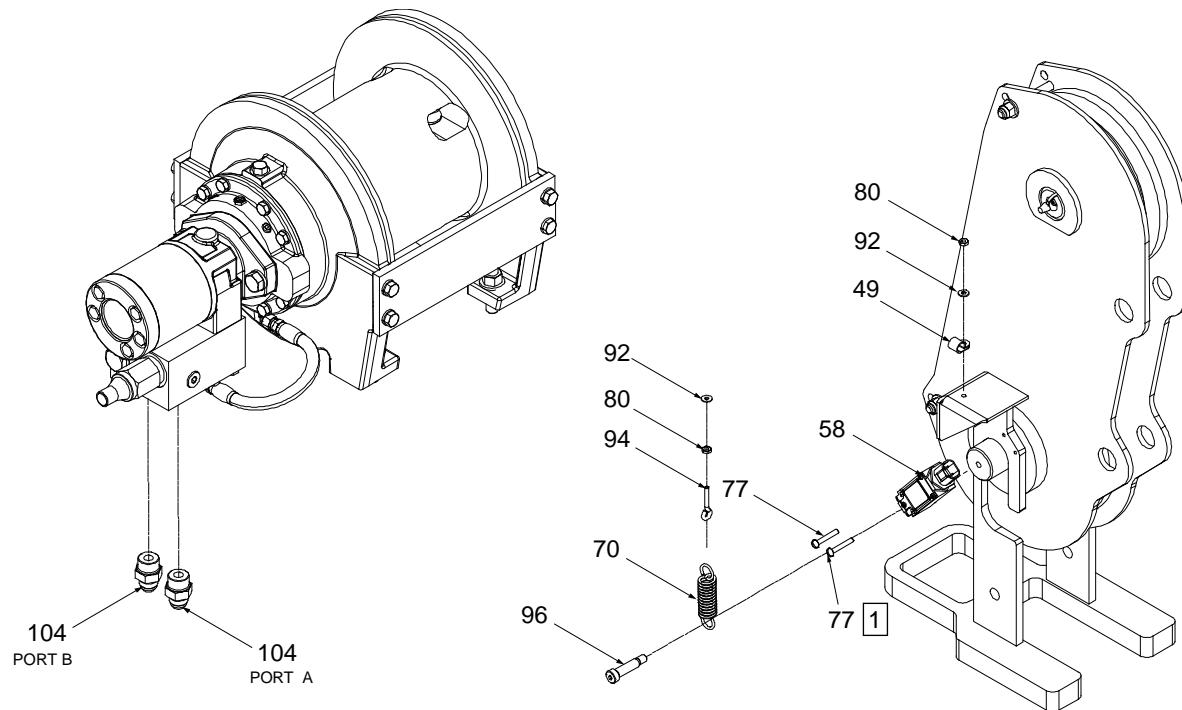
99905420-7 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
82	72062104	NUT .25-20 HEX NYLOCK	#5	6
84	72063001	WASHER .25 FLAT	#5	18
106	72532670	ELBOW-M JIC/45/F JIC 8 8	#6	1
113	60140839	BRKT-MAST VB 6000-8600S		2
114	72060004	CAP SCR .25-20X 1.00 HH GR5 Z	#5	8
115	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69		A/R
120	60030486	SPACER-A2B BRACKET		2

REV. AA 20160405

Winch & Anti-Two-Block Assembly (99905420)

Effective 03/21/16



WINCH ASSEMBLY

A2B ASSEMBLY

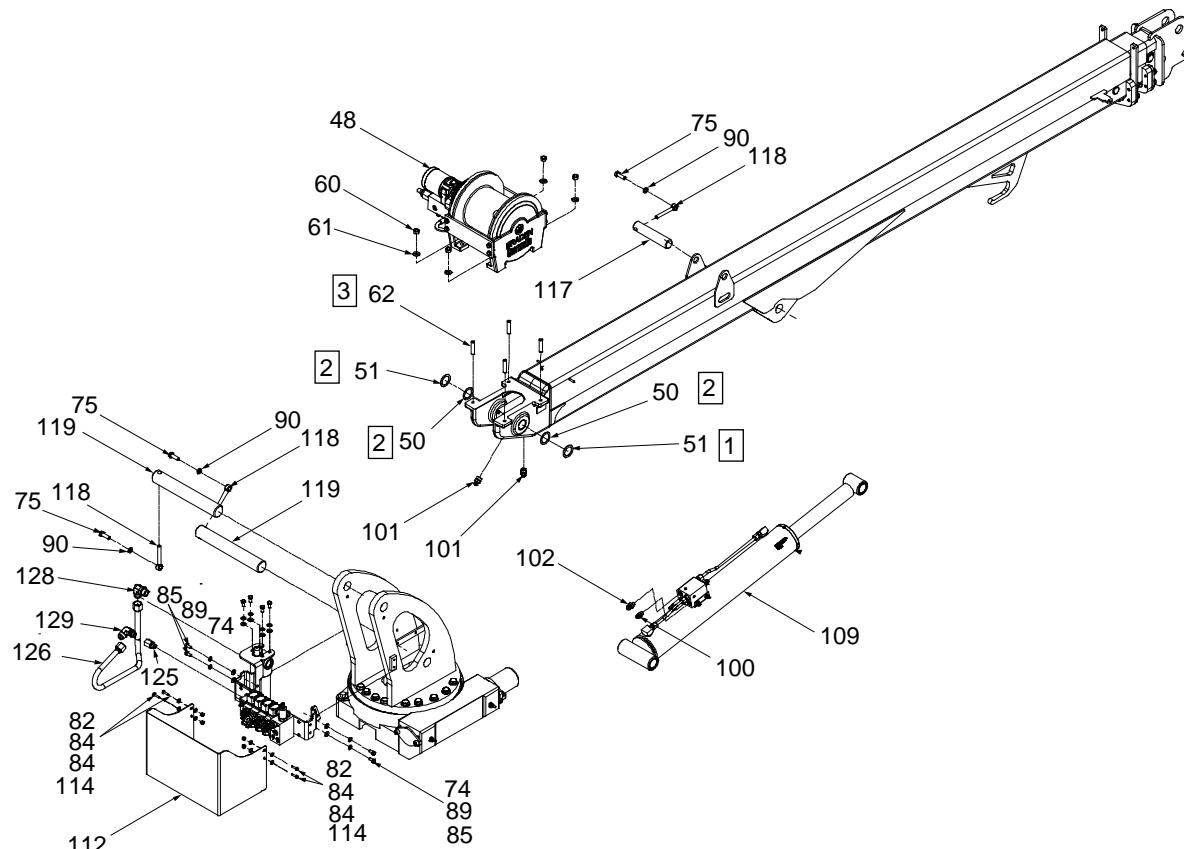
NOTES:

1. APPLY BLUE LOCTITE.

99905420-8 PARTS LIST Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	QTY	KIT
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
56	77041863	SWITCH-LIMIT DT04-4P CONN		1
70	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	#5	1
77	72060639	SCR-MACH 10-24X 1.25 RDH	#5	4
80	72062093	NUT # 8-32 HEX ZINC	#5	2
92	72063271	WASHER # 8 W FLAT ANSI B27.2Z	#5	2
94	72601938	BOLT-EYE # 8-32X 1.125	#5	1
104	72532359	ADPTR-M STR/M JIC 10 8	#6	2

REV. AA 20160405

Crane & Winch Assembly (99905420) Effective 03/21/16



NOTES:

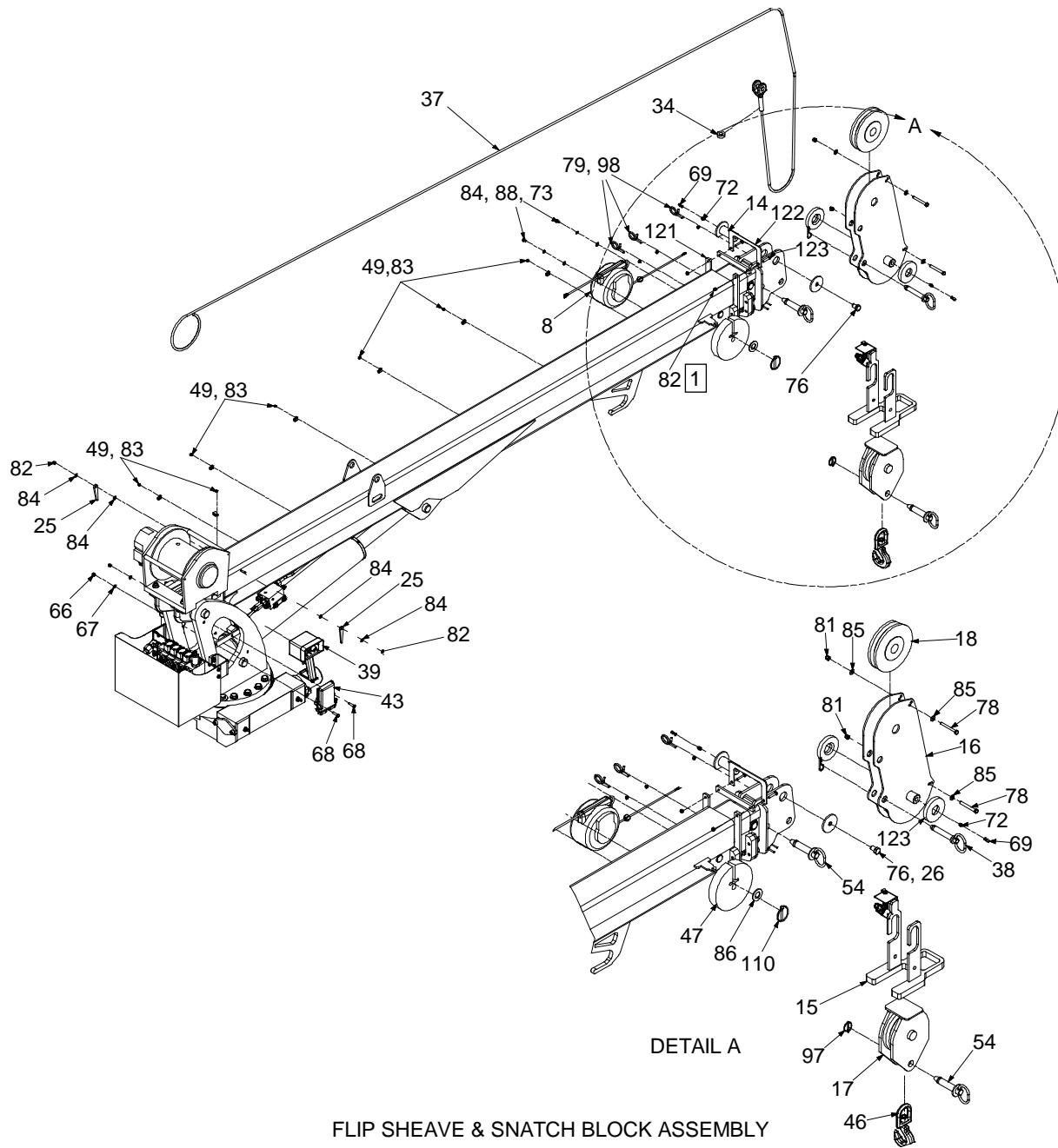
1. APPLY ANTI-SEEZ TO BOOM AND CYLINDER MOUNTING PINS. DO NOT ALLOW ANTI-SEEZ TO COME IN CONTACT WITH BOOM OR CYLINDER PIN BOSS BEARINGS.
2. IF REQUIRED, USE 72063036 OR 7206037 MACHNY BUSHINGS, BETWEEN MAST AND LOWER BOOM.
3. APPLY BLUE LOCTITE.

99905420-9 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
48	70570761	WINCH-PLANETARY 5500 LB LINE PULL		1
50	72063036	MACHY BUSHING 1.50X14 GA NR	A/R	
51	72063037	MACHY BUSHING 1.50X10 GA NR	A/R	
60	72062108	NUT .50-20 HEX CENTER LOCKING	#2	4
61	72063132	WASHER .50 FLAT ASTM F436	#2	4
62	72602138	STUD .50-20X 2.25 DBL .50-13 GR8 STL	#2	4
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	#5	8
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15

99905420-9 PARTS LIST Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
82	72062104	NUT .25-20 HEX NYLOCK	#5	6
84	72063001	WASHER .25 FLAT	#5	18
85	72063003	WASHER .38 FLAT	#5	12
89	72063051	WASHER .38 LOCK	#5	8
90	72063053	WASHER .50 LOCK	#5	15
100	72532355	ADPTR-M STR/M JIC 6 6	#6	1
101	72532356	ADPTR-M STR/M JIC 8 6	#6	6
102	72532357	ADPTR-M STR/M JIC 6 8	#6	1
109	51724528	CYL-4.0/2.2 25.06S 45.52CC C		1
112	60144215	COVER-VALVE BANK SIII		1
114	72060004	CAP SCR .25-20X 1.00 HH GR5 Z	#5	8
117	60140913	PIN-TYPE NN 1.50X 7.25		1
118	71415015	KEEPER-PIN .50		3
119	60140914	PIN-TYPE NN 1.50X10.75		2
125	72534898	O-RING EXTENDER 08-08		1
126	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
REV. AA 20160405				

Flip Sheave Assembly (99905420) Effective 03/21/16



NOTES:

1. USE BLUE THREAD LOCTITE.

99905420-10 PARTS LIST Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
8	51723610	CORD REEL ASM- 30FT W/PACKARD W/DEUTSCH		1
14	52723030	PIN-TYPE M 1.50X 3.38		1
15	52725155	WLDMT- A2B BRKT		1
16	52725153	WLDMT-FLIP SHEAVE 7500/8600		1
17	52725065	WLDMT- SNATCH BLOCK 7500/8600		1
18	60030134	SHEAVE- 8.00 POLYMER		1
25	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26	60109337	RETAINER PLT-PIN 3.00 DIA		1
34	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
37	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN		1
39	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN		A/R
43	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN		A/R
46	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
54	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
66	72062194	NUT-SS .25-20 NYLOC	#4	2
67	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	#4	2
68	72601846	CAP SCR .25-20X 1.25 HH SS	#4	2
69	70034382	CAP-GREASE PRO20 GC-RED	#5	6
72	72053508	ZERK-NPT .12	#5	4
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	#5	2
76	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	#5	1
78	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	#5	2
79	72062000	NUT .25-20 HEX	#5	3
81	72062103	NUT .38-16 HEX NYLOCK	#5	2
82	72062104	NUT .25-20 HEX NYLOCK	#5	6
83	72062106	NUT 10-24 HEX NYLOCK	#5	7
84	72063001	WASHER .25 FLAT	#5	18
85	72063003	WASHER .38 FLAT	#5	12
86	72063010	WASHER 1.00 FLAT	#5	1
88	72063049	WASHER .25 LOCK	#5	2
97	72661543	PIN-QUICK 316-10QP	#5	2
98	72661694	BRIDLE RING 1-1/12ID X 1/4-20	#5	3
110	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	#5	1
121	60140934	GUIDE - CABLE WEAR (NARROW)	#111	1
122	60140937	BRKT - CABLE GUIDE (NARROW)	#111	1

99905420-10 PARTS LIST Effective 03/21/16

ITEM	PART NO.	DESCRIPTION	KIT	QTY
123	72060006	CAP SCR .25-20X 1.50 HH GR5 Z	#111	2
REV. AA 20160405				

Model 6000 Crane Parts List, Complete (99905420)

99905420 Complete Parts List Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
1	91723654	KIT-HRDW BASE & MAST 7500/8600S		1
2	91726834	KIT-HRDW WINCH MNT BG4-BG6		1
3	91723543	KIT-HRDW VB MNT HAWE		1
4	51719413	KIT-HRDW TELE CRANE RADIO CONTROLS		1
5	91725204	KIT-HRDW SERIES III 7500/8600S		1
6	91726822	KIT-HYD BG4 SERIES III FP 7500/8600S		A/R
7	91726823	KIT-HYD BG4 SERIES III SP 7500/8600S		A/R
8	51723610	CORD REEL ASM- 30FT W/PACKARD W/DEUTSCH		1
9	51723174	CYL-2.0/1.5 117.00S 139.11CC C		1
10	52725122	MAST WLDMNT-SERIES III S		1
11	52725158	WLDMNT-LOWER BOOM 7500-8600S		1
12	52725159	WLDMNT-1st STAGE EXT BOOM 7500S		1
13	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
14	52723030	PIN-TYPE M 1.50X 3.38		1
15	52725155	WLDMT- A2B BRKT		1
16	52725153	WLDMT-FLIP SHEAVE 7500/8600		1
17	52725065	WLDMT- SNATCH BLOCK 7500/8600		1
18	60030134	SHEAVE- 8.00 POLYMER		1
19	60030433	WEAR PAD-RC 0.19 X 6.00X 4.00		1
20	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21	60030432	WEAR PAD-RC 0.25 X 6.00X 5.00		1
22	60030431	WEAR PAD-RC 0.25X 6.00X 1.25		4
23	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
25	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26	60109337	RETAINER PLT-PIN 3.00 DIA		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
29	60140900	CAP-LOWER BOOM	#111	1
30	60136129	CAP-FIRST STAGE		1
31	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32	60127979	PLATE-EXT CYL C-CLIP		2
33	70029595	THREADED PLUG 1.00-8 (3816)		2
34	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
35	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2
36	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2

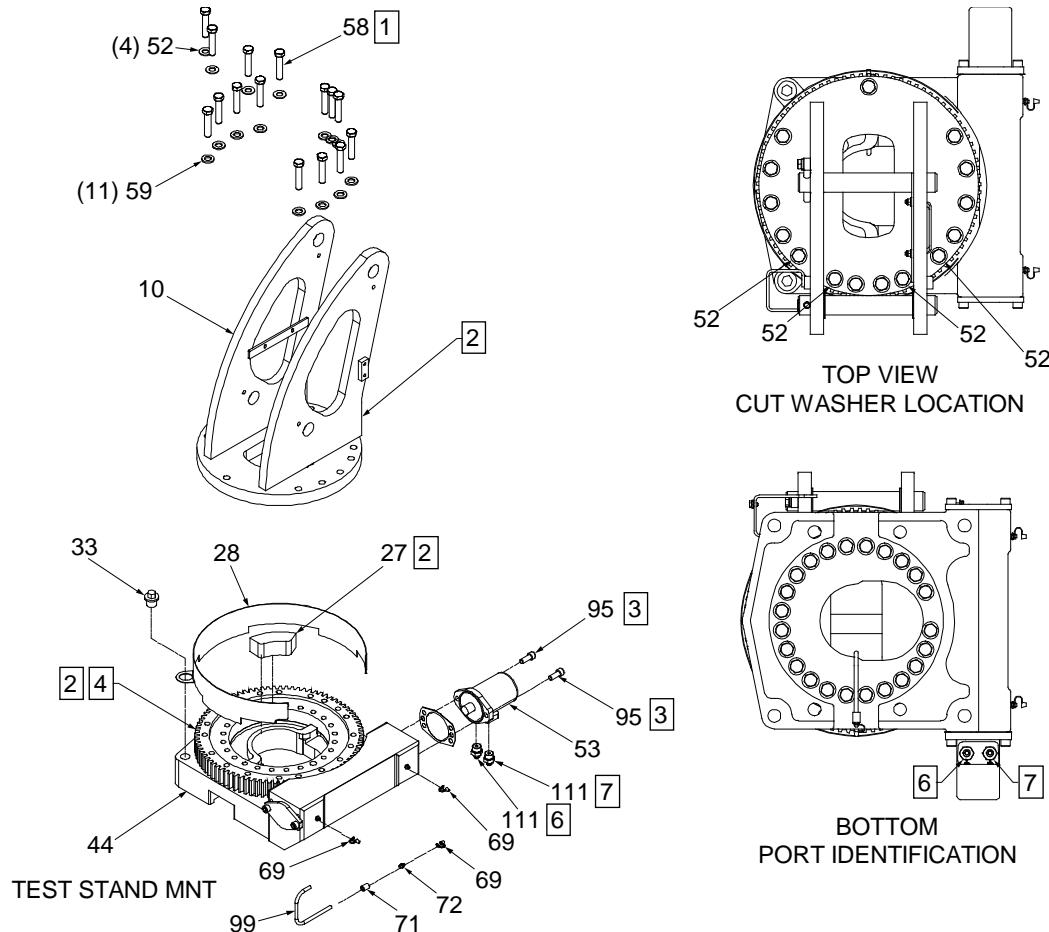
99905420 Complete Parts List Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
37	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN		1
39	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN		A/R
40	70734762	TRANSMITTER-RAD REM TELE S3 GATED W-HORN		A/R
41	70734748	TRANSMITTER-S3 TELE SINGLE PROP		A/R
42	70734750	RECEIVER-S3 TELE SINGLE PROP		A/R
43	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN		A/R
44	71056543	GEAR ROTATOR 5020 170-00012-1		1
45	76039295	GASKET-GEA19 008-10056-1	#44	1
46	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
48	70570761	WINCH-PLANETARY 5500 LB LINE PULL		1
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
50	72063036	MACHY BUSHING 1.50X14 GA NR		A/R
51	72063037	MACHY BUSHING 1.50X10 GA NR		A/R
52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1
54	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
55	73734727	VALVE BANK-4SEC 4R 10GPM TELE PROP 12V G		A/R
56	77041863	SWITCH-LIMIT DT04-4P CONN		1
57	77441481	Harness-TELE RADIO REMOTE SERIES III		A/R
58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	#1	15
59	72063119	WASHER .62 FLAT ASTM F436	#1	11
60	72062108	NUT .50-20 HEX CENTER LOCKING	#2	4
61	72063132	WASHER .50 FLAT ASTM F436	#2	4
62	72602138	STUD .50-20X 2.25 DBL .50-13 GR8 STL	#2	4
63	72601797	WASHER-LOCK 8MM	#3	4
64	72602065	WASHER-FLAT M 8	#3	4
65	72602052	CAP SCR M 8-1.25X 16 HHZ	#3	4
66	72062194	NUT-SS .25-20 NYLOC	#4	2
67	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	#4	2
68	72601846	CAP SCR .25-20X 1.25 HH SS	#4	2
69	70034382	CAP-GREASE PRO20 GC-RED	#5	6
70	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	#5	1
71	72053301	COUPLING-GLV .12 SCH 40	#5	1
72	72053508	ZERK-NPT .12	#5	4
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	#5	2
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	#5	8
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15

99905420 Complete Parts List Effective 03/21/16					
ITEM	PART NO.	DESCRIPTION	KIT	QTY	
76	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	#5	1	
77	72060639	SCR-MACH 10-24X 1.25 RDH	#5	4	
78	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	#5	2	
79	72062000	NUT .25-20 HEX	#5	3	
80	72062093	NUT # 8-32 HEX ZINC	#5	2	
81	72062103	NUT .38-16 HEX NYLOCK	#5	2	
82	72062104	NUT .25-20 HEX NYLOCK	#5	6	
83	72062106	NUT 10-24 HEX NYLOCK	#5	7	
84	72063001	WASHER .25 FLAT	#5	18	
85	72063003	WASHER .38 FLAT	#5	12	
86	72063010	WASHER 1.00 FLAT	#5	1	
87	72063035	MACHY BUSHING 1.25X10 GA NR	#5	2	
88	72063049	WASHER .25 LOCK	#5	2	
89	72063051	WASHER .38 LOCK	#5	8	
90	72063053	WASHER .50 LOCK	#5	15	
91	72063132	WASHER .50 FLAT ASTM F436	#5	17	
92	72063271	WASHER # 8 W FLAT ANSI B27.2Z	#5	2	
93	72066129	RETAINING RING-EXT 1.25 HD	#5	2	
94	72601938	BOLT-EYE # 8-32X 1.125	#5	1	
95	72601949	CAP SCR .50-13X 1.25 SH ZC	#5	2	
96	72602085	BOLT-SHLDR .38X 1.25 (5/16 thds) SS	#5	1	
97	72661543	PIN-QUICK 316-10QP	#5	2	
98	72661694	BRIDLE RING 1-1/12ID X 1/4-20	#5	3	
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5	1	
100	72532355	ADPTR-M STR/M JIC 6 6	#6	1	
101	72532356	ADPTR-M STR/M JIC 8 6	#6	6	
102	72532357	ADPTR-M STR/M JIC 6 8	#6	1	
103	72532358	ADPTR-M STR/M JIC 8 8	#6	3	
104	72532359	ADPTR-M STR/M JIC 10 8	#6	2	
105	72532361	ADPTR-M STR/M JIC 8 10	#6	1	
106	72532670	ELBOW-M JIC/45/F JIC 8 8	#6	1	
107	72533583	ELBOW-M STR/45/M JIC 8 6	#6	1	
108	72533613	ADPTR-M STR/M JIC 10 6	#6	2	
109	51724528	CYL-4.0/2.2 25.06S 45.52CC C		1	
110	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	#5	1	
111	93725208	KIT-CABLE GUIDE 7500/8600S		1	
112	60144215	COVER-VALVE BANK SIII		1	
113	60140839	BRKT-MAST VB 6000-8600S		2	

99905420 Complete Parts List Effective 03/21/16				
ITEM	PART NO.	DESCRIPTION	KIT	QTY
114	72060004	CAP SCR .25-20X 1.00 HH GR5 Z	#5	8
115	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69		A/R
116	77441537	HARNESS-S3 TELE S-PROP VALVE BANK CERVIS		A/R
117	60140913	PIN-TYPE NN 1.50X 7.25		1
118	71415015	KEEPER-PIN .50		3
119	60140914	PIN-TYPE NN 1.50X10.75		2
120	60030486	SPACER-A2B BRACKET		2
121	60140934	GUIDE - CABLE WEAR (NARROW)	#111	1
122	60140937	BRKT - CABLE GUIDE (NARROW)	#111	1
123	72060006	CAP SCR .25-20X 1.50 HH GR5 Z	#111	2
124	72062104	NUT .25-20 HEX NYLOCK	#111	2
125	72534898	O-RING EXTENDER 08-08		1
126	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
127	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
130	60143075	BRKT-MAST VB 6000-8600S FP		1
131	72532686	PLUG-STR SOC HD STL 8 (.75 THD)	#6	1
REV. AA 20160405				

Base & Mast Assembly, Test Stand (99905420)

NOTE: This base and mast assembly is shown as if it were mounted on a test stand.



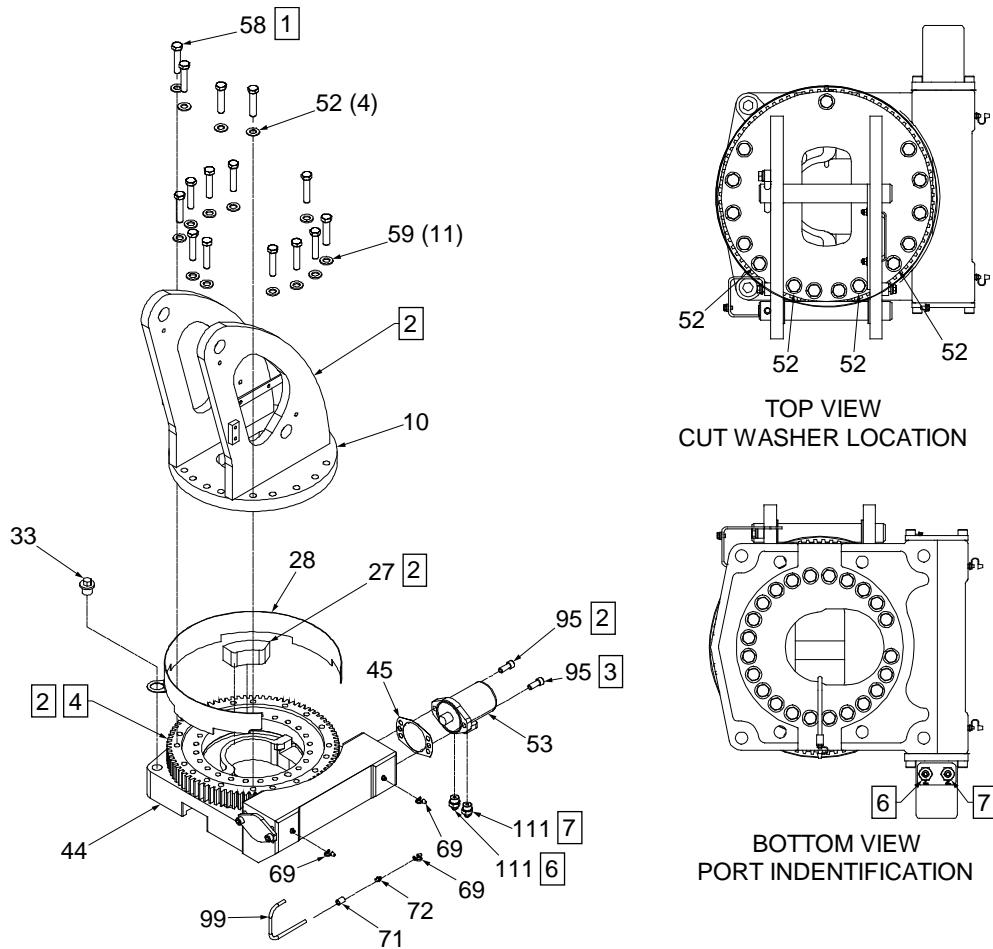
NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 TORQUE TO 160 FT-LB (22.1 KG-M)
- 2 APPLY RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST, TOP OF GEAR BEARING.
- 3 APPLY BLUE THREAD LOCKER.
- 4 APPLY GEAR LUBE ON GEAR TEETH.
- 5 BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON THE TEST STAND. NOTE ORIENTATION OF MOTOR. BOTTOM VIEW OF ROTATION ASSEMBLY.
- 6 PORT A
- 7 PORT B

99905420 BASE & MAST ON TEST STAND				
ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY
1.	91723654	KIT-HRDW BASE & MAST 7500/8600S		1
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
10.	52725122	MAST WLDMNT-SERIES III S (eff. from 05/22/13)		1
27.	60120138	SLIDE-ROTATION STOP 3816		1
28.	60128849	GEAR GUARD 6025 SII		1
33.	70029595	THREADED PLUG 1.00-8 (3816)		2
44.	71056543	GEAR ROTATOR 5020 170-00012-1		1
52.	72063219	WASHER-FLAT .62 (eff. from 02/14/13)		4
53.	73051919	MOTOR-HYD (101-2638-009)		1
58.	72060177	CAP SCR .62-11X 3.00 HH GR8 Z (eff. from 02/14/13)	#1	15
59.	72063119	WASHER .62 FLAT ASTM F436 (eff. from 02/14/13)	#1	11
69.	70034382	CAP-GREASE PRO20 GC-RED	#5	6
71.	72053301	COUPLING-GLV .12 SCH 40	#5	1
72.	72053508	ZERK-NPT .12	#5	4
95.	72601949	CAP SCR .50-13X 1.25 SH ZC	#5	2
99.	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5	1
111.	72533613	ADPTR-M STR/M JIC 10 6	#6	2
REV V 20150622				

Base & Mast Assembly, Truck Mount (99905420)

NOTE: This base and mast assembly is shown as if it were mounted on a truck.

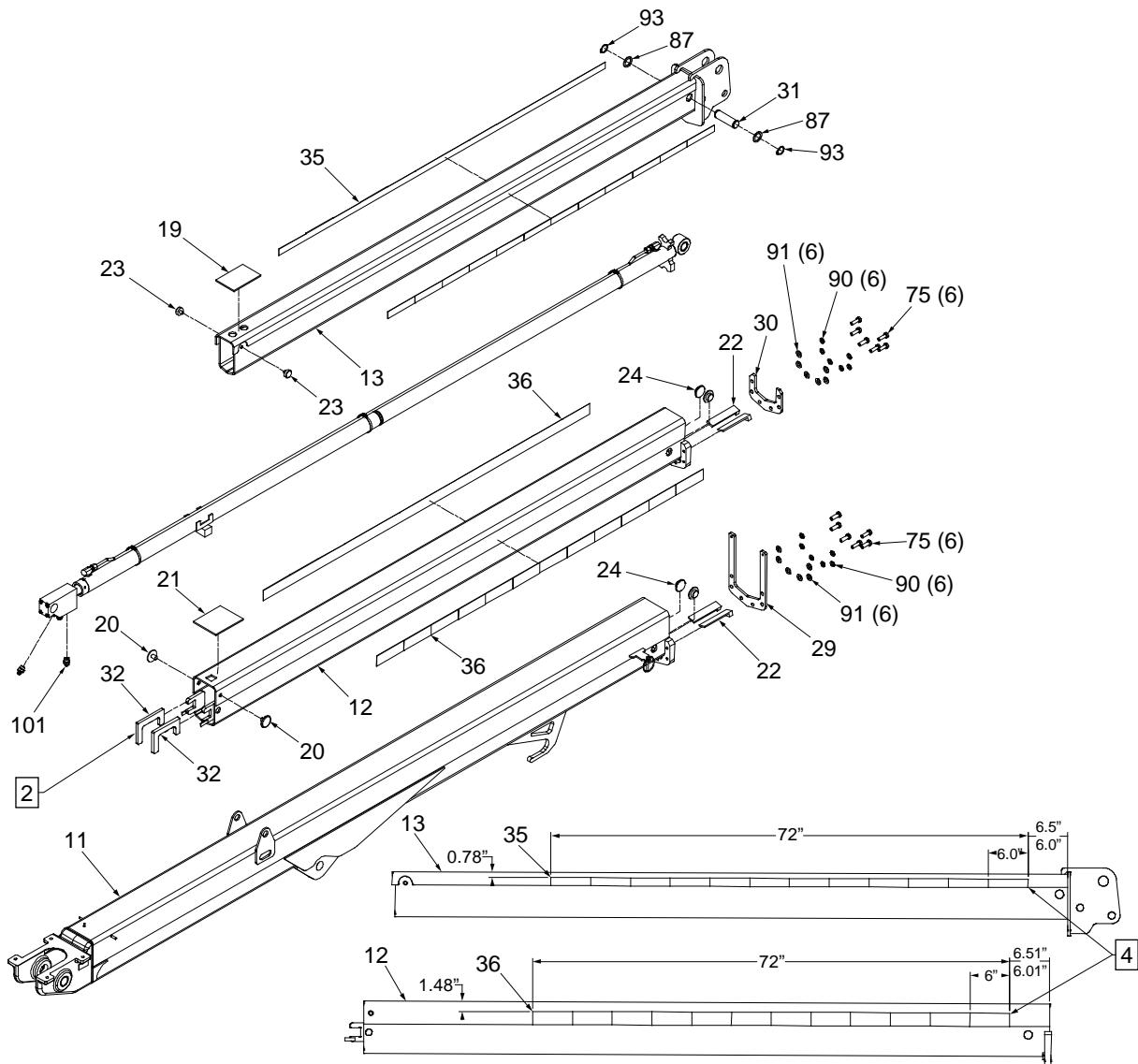


NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 TORQUE TO 160 FT-LB (22.1 KG-M)
- 2 APPLY RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST, TOP OF GEAR BEARING.
- 3 APPLY BLUE THREAD LOCKER.
- 4 APPLY GEAR LUBE ON GEAR TEETH.
- 5 BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON THE TEST STAND. NOTE ORIENTATION OF MOTOR. BOTTOM VIEW OF ROTATION ASSEMBLY.
- 6 PORT A
- 7 PORT B

99905420 BASE & MAST ON TRUCK					
ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY	
1.	91723654	KIT-HRDW BASE & MAST 7500/8600S		1	
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1	
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R	
10.	52725122	MAST WLDMNT-SERIES III S (eff. from 05/22/13)		1	
27.	60120138	SLIDE-ROTATION STOP 3816		1	
28.	60128849	GEAR GUARD 6025 SII		1	
33.	70029595	THREADED PLUG 1.00-8 (3816)		2	
44.	71056543	GEAR ROTATOR 5020 170-00012-1		1	
45.	76039295	GASKET-GEA19 008-10056-1	#44	1	
52.	72063219	WASHER-FLAT .62 (eff. from 02/14/13)		4	
53.	73051919	MOTOR-HYD (101-2638-009)		1	
58.	72060177	CAP SCR .62-11X 3.00 HH GR8 Z (eff. from 02/14/13)	#1	15	
59.	72063119	WASHER .62 FLAT ASTM F436 (eff. from 02/14/13)	#1	11	
69.	70034382	CAP-GREASE PRO20 GC-RED	#5	6	
71.	72053301	COUPLING-GLV .12 SCH 40	#5	1	
72.	72053508	ZERK-NPT .12	#5	4	
95.	72601949	CAP SCR .50-13X 1.25 SH ZC	#5	2	
99.	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5	1	
111.	72533613	ADPTR-M STR/M JIC 10 6	#6	2	
REV V 20150622					

Boom Assembly (99905420)

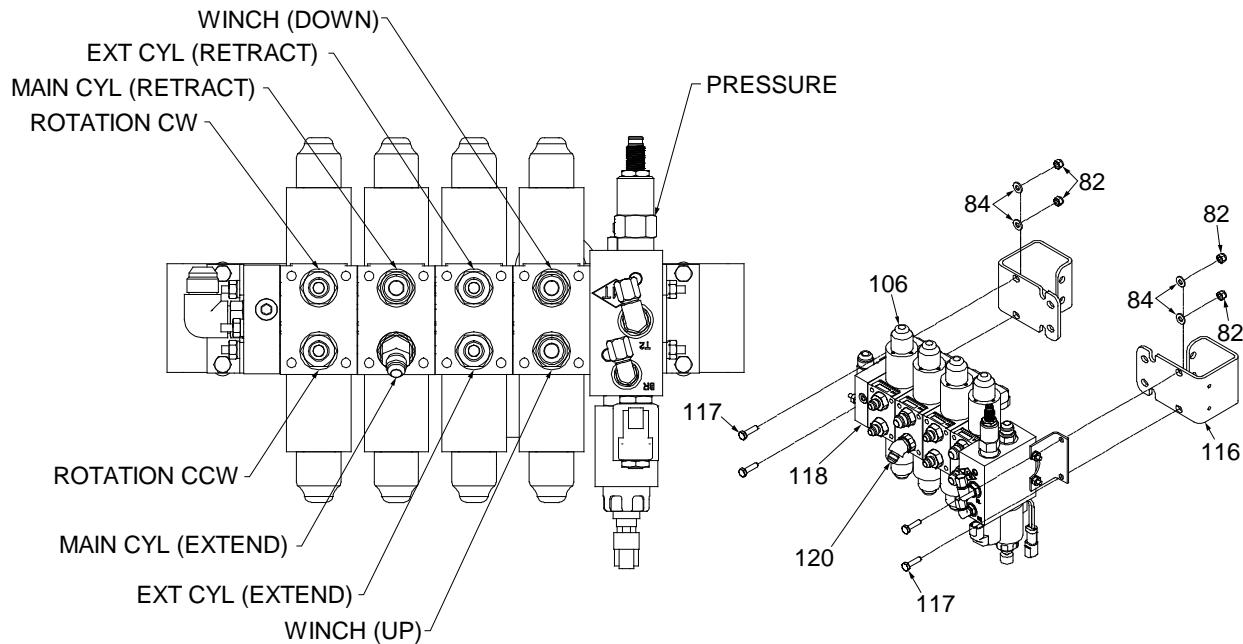


NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 APPLY NEVER SEEZ.
- 2 INSTALL EXTENSION CYLINDER FIRST, FOLLOWED BY RETAINERS AND WEAR PADS.
- 3 TORSUE TO 6-7 FT-LB (0.83 - 0.97 KG-M). USE BLUE THREAD LOCKER. ITEM 9 - EXTENSION CYLINDER - INCLUDES THE CYLINDER CAP AND CAP SCREWS.
- 4 START WITH RED SEGMENT. ALIGN WITH PLATE EDGE.

99905420 PARTS LIST				
ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
11.	52725158	WLDMNT-LOWER BOOM 7500-8600S (eff. from 05/22/13)		1
12.	52725159	WLDMNT-1st STAGE EXT BOOM 7500S (eff. from 05/22/13)		1
13.	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
19.	60030433	WEAR PAD-RC .19 X 6.00X 4.00		1
20.	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21.	60030432	WEAR PAD-RC .25 X 6.00X 5.00		1
22.	60030431	WEAR PAD-RC .25X 6.00X 1.25		4
23.	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24.	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
29.	60140900	CAP-LOWER BOOM	#124	1
31.	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32.	60127979	PLATE-EXT CYL C-CLIP		2
35.	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2
36.	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2
75.	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15
87.	72063035	MACHY BUSHING 1.25X10 GA NR	#5	2
90.	72063053	WASHER .50 LOCK (eff. from 05/22/13)	#5	15
91.	72063132	WASHER .50 FLAT ASTM F436	#5	17
93.	72066129	RETAINING RING-EXT 1.25 HD	#5	2
101.	72532356	ADPTR-M STR/M JIC 8 6	#6	6
124.	60140934	GUIDE - CABLE WEAR (NARROW) (eff. from 04/12/13)		1
REV V 20150622				

Valvebank Assembly (99905420)

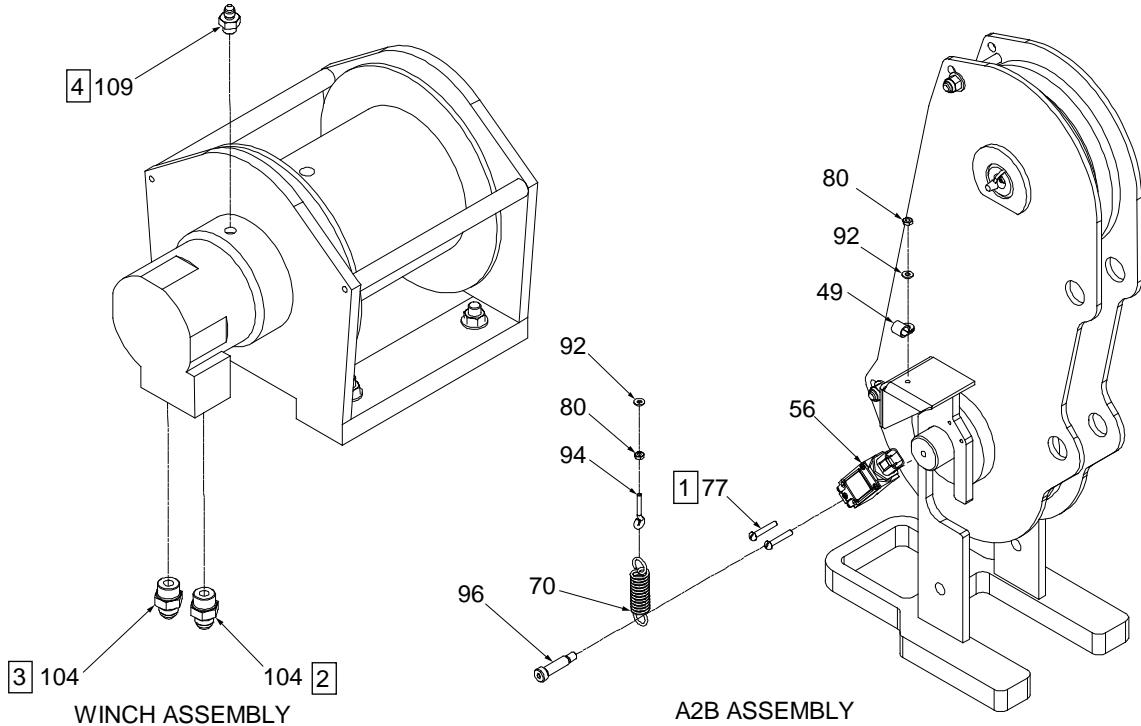


VALVEBANK ASSEMBLY PARTS LIST (99905420)

ITEM	PART #	DESCRIPTION	KIT #	QTY
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
82.	72062104	NUT .25-20 HEX NYLOCK (eff. from 04/12/13)	#5	6
84.	72063001	WASHER .25 FLAT (eff. from 02/28/13)	#5	14
106.	72532670	ELBOW-M JIC/45/F JIC 8 8	#6	1
116.	60140839	BRKT-MAST VB 6000-8600S (eff. from 03/05/13)		2
117.	72060004	CAP SCR .25-20X 1.00 HH GR5 Z (eff. from 03/05/13)	#5	4
118.	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69		A/R
120.	60140913	PIN-TYPE NN 1.50X 7.25 (eff. from 05/22/13)		1

REV V 20150622

Winch & Anti-Two-Block Assembly (99905420)



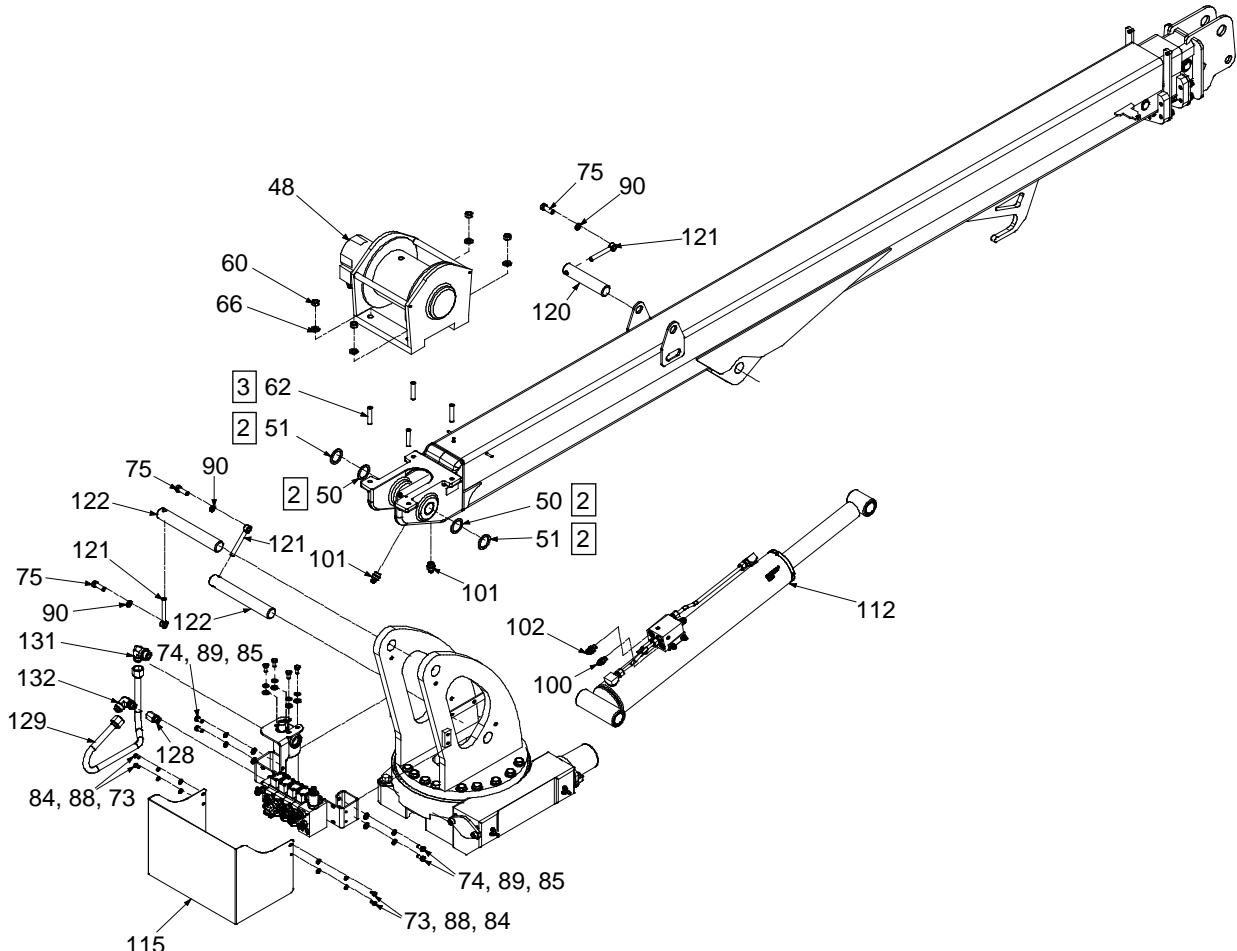
NOTES:

- 1 USE BLUE LOCTITE.
- 2 PORT A
- 3 PORT B
- 4 CASE DRAIN

99905420 WINCH & ANTI-TWO BLOCK ASSEMBLY

ITEM	PART #	DESCRIPTION	KIT #	QTY
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
49.	72034485	CLAMP-PLASTIC 1/4" CABLE		8
56.	77041863	SWITCH-LIMIT DT04-4P CONN		1
70.	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	#5	1
77.	72060639	SCR-MACH 10-24X 1.25 RDH	#5	4
80.	72062093	NUT # 8-32 HEX ZINC (eff. from 04/10/13)	#5	2
92.	72063271	WASHER # 8 W FLAT ANSI B27.2Z	#5	2
94.	72601938	BOLT-EYE # 8-32X 1.125	#5	1
96.	72602085	BOLT-SHLDR .38X 1.25 (5/16 thds) SS	#5	1
104.	72532359	ADPTR-M STR/M JIC 10 8	#6	2
109.	72533490	ADPTR-M BSPP/M JIC 4 4	#6	1
REV V 20150622				

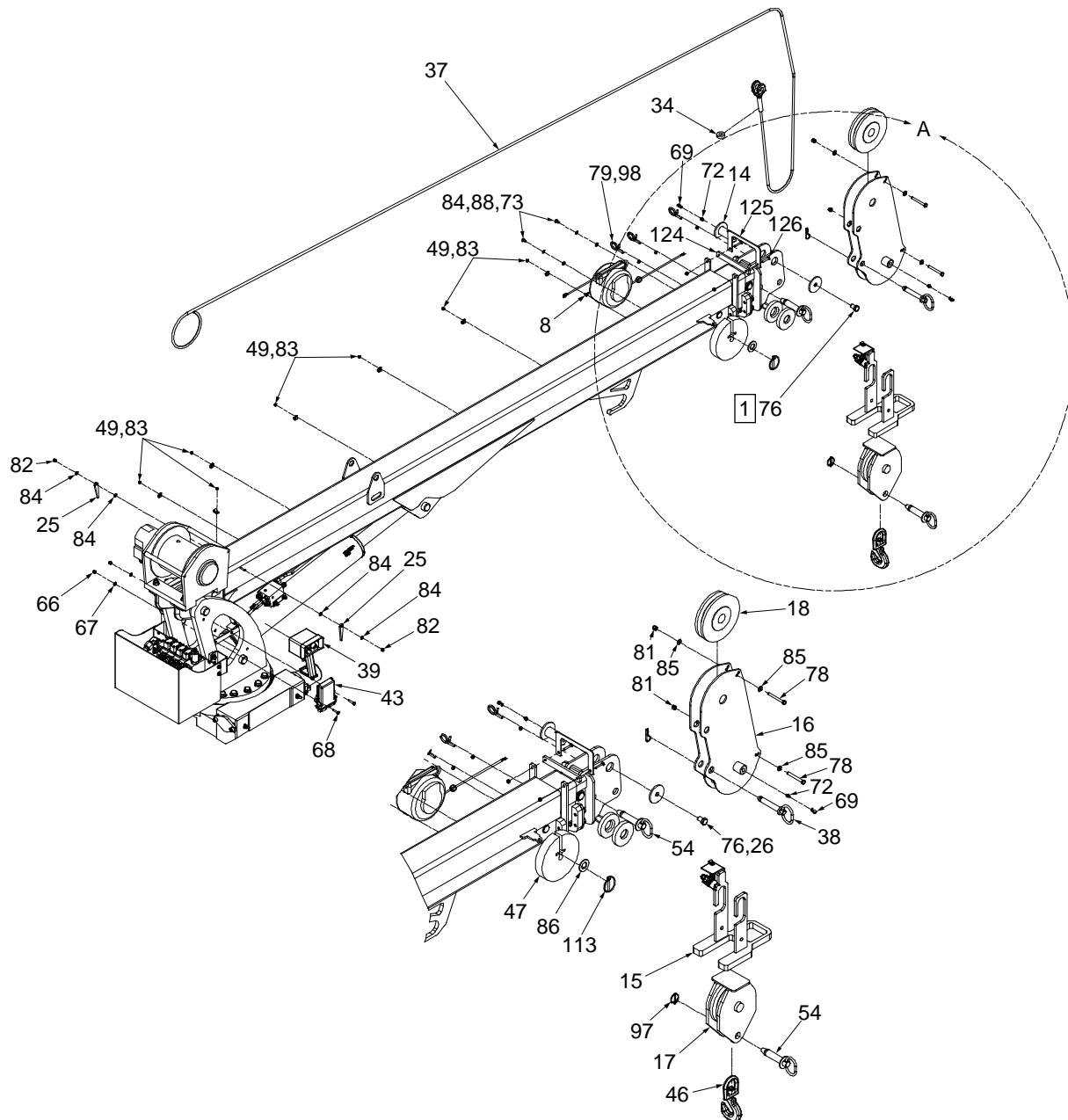
Crane & Winch Assembly (99905420)

**NOTES (SEE REFERENCE NUMBER IN BOX):**

- 1 APPLY ANTI-SEEZ TO BOOM AND CYLINDER MOUNTING PINS ON THE MAST. DO NOT ALLOW ANTI-SEEZ TO CONTACT BOOM OR CYLINDER PIN BOSS BEARINGS.
- 2 IF REQUIRED, USE 72063036 OR 72063037 MACHINERY BUSHINGS BETWEEN THE MAST AND LOWER BOOM.
- 3 APPLY BLUE LOCKTITE.

CRANE & WINCH ASSEMBLY PARTS (99905420)				
ITEM	PART #	DESCRIPTION	KIT #	QTY
2	91723579	KIT-HRDW WINCH A40-60		1
4	51719413	KIT-HRDW TELE CRANE RADIO CONTROLS		1
5	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
48	71570968	WINCH-PLANETARY 4400 LINE PULL (A41)		1
50	72063036	MACHY BUSHING 1.50X14 GA NR		A/R
51	72063037	MACHY BUSHING 1.50X10 GA NR		A/R
60	72062108	NUT .50-20 HEX CENTER LOCKING	#2	4
62	72602061	STUD .50-13(20)X 2.50 NC(NF) GR8 STL	#2	4
66	72062194	NUT-SS .25-20 NYLOC	#4	2
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	#5	6
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	#5	8
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15
84	72063001	WASHER .25 FLAT (eff. from 02/28/13)	#5	14
85	72063003	WASHER .38 FLAT (eff. from 04/10/13)	#5	12
88	72063049	WASHER .25 LOCK (eff. from 02/28/13)	#5	6
89	72063051	WASHER .38 LOCK	#5	8
90	72063053	WASHER .50 LOCK (eff. from 05/22/13)	#5	15
100	72532355	ADPTR-M STR/M JIC 6 6	#6	1
101	72532356	ADPTR-M STR/M JIC 8 6	#6	6
102	72532357	ADPTR-M STR/M JIC 6 8	#6	1
112	51724528	CYL-4.0/2.2 25.06S 45.52CC C		1
115	60140838	COVER-VALVE BANK SIII (eff. from 03/05/13)		1
120	60140913	PIN-TYPE NN 1.50X 7.25 (eff. from 05/22/13)		1
121	71415015	KEEPER-PIN .50 (eff. from 05/22/13)		3
122	60140914	PIN-TYPE NN 1.50X10.75 (eff. from 05/22/13)		2
128	72534898	O-RING EXTENDER 08-08		1
129	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
131	72053767	ELBOW-M STR/90/M JIC 12 12		1
132	72533623	ELBOW-M STR/90/M JIC 8 12		1
REV V 20150622				

Flip Sheave Assembly (99905420)



NOTES (SEE REFERENCE NUMBER IN BOX):

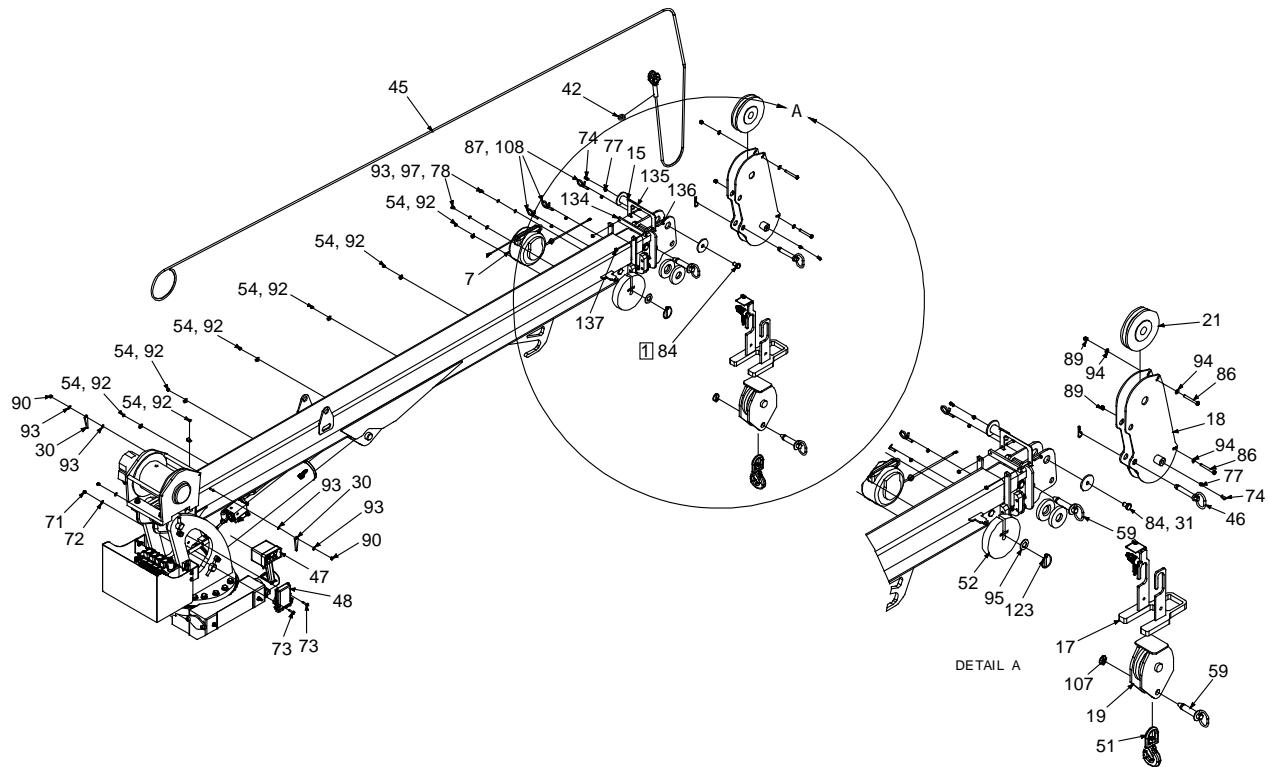
- ## 1 USE BLUE THREAD LOCK

FLIP SHEAVE ASSEMBLY PARTS LIST (99905420)				
ITEM	PART #	DESCRIPTION	KIT #	QTY
4.	51719413	KIT-HRDW TELE CRANE RADIO CONTROLS		1
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1

FLIP SHEAVE ASSEMBLY PARTS LIST (99905420)				
ITEM	PART #	DESCRIPTION	KIT #	QTY
8.	51723610	CORD REEL ASM- 30FT W/PACKARD W/DEUTSCH		1
14.	52723030	PIN-TYPE M 1.50X 3.38		1
15.	52725155	WLDMT- A2B BRKT (eff. from 04/17/13)		1
16.	52725153	WLDMT-FLIP SHEAVE 7500/8600 (eff. from 04/17/13)		1
17.	52725065	WLDMT- SNATCH BLOCK 7500/8600 (eff. from 01/30/13)		1
18.	60030134	SHEAVE- 8.00 POLYMER		1
25.	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26.	60109337	RETAINER PLT-PIN 3.00 DIA		1
34.	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
37.	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38.	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN (eff. from 03/15/13)		1
39.	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN (eff. from 04/17/13)		A/R
43.	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN (eff. from 04/17/13)		A/R
46.	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47.	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
49.	72034485	CLAMP-PLASTIC 1/4" CABLE		8
54.	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
66.	72062194	NUT-SS .25-20 NYLOC	#4	2
67.	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	#4	2
68.	72601846	CAP SCR .25-20X 1.25 HH SS	#4	2
69.	70034382	CAP-GREASE PRO20 GC-RED	#5	6
72.	72053508	ZERK-NPT .12	#5	4
73.	72060000	CAP SCR .25-20X .50 HH GR5 Z	#5	6
76.	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	#5	1
78.	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	#5	2
79.	72062000	NUT .25-20 HEX	#5	3
81.	72062103	NUT .38-16 HEX NYLOCK	#5	2
82.	72062104	NUT .25-20 HEX NYLOCK (eff. from 04/12/13)	#5	6
83.	72062106	NUT 10-24 HEX NYLOCK	#5	7
84.	72063001	WASHER .25 FLAT (eff. from 02/28/13)	#5	14
85.	72063003	WASHER .38 FLAT (eff. from 04/10/13)	#5	12
86.	72063010	WASHER 1.00 FLAT	#5	1
88.	72063049	WASHER .25 LOCK (eff. from 02/28/13)	#5	6
97.	72661543	PIN-QUICK 316-10QP (eff. from 03/15/13)	#5	2
98.	72661694	BRIDLE RING 1-1/12ID X 1/4-20	#5	3
113.	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	#5	1
124.	60140934	GUIDE - CABLE WEAR (NARROW) (eff. from 04/12/13)		1
125.	60140937	BRKT - CABLE GUIDE (NARROW) (eff. from 04/12/13)	#124	1
126.	72060006	CAP SCR .25-20X 1.50 HH GR5 Z (eff. from 04/12/13)	#124	2

REV V 20150622

Flip Sheave Assembly (99905420)



NOTES (SEE REFERENCE NUMBER IN BOX):

1. USE BLUE THREAD LOCK.

FLIP SHEAVE ASSEMBLY PARTS LIST (99905420)

ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
4.	51719413	KIT-HARDWARE TELE CRANE RADIO CONTROLS			1
5.	91723655	KIT-HARDWARE SERIES III 7500/8600S (effective through 05/22/13)			1
7.	51723610	CORD REEL ASSEMBLY	30 FOOT		1
15.	52723030	PIN	1.50X 3.38		1
17.	52723058	WELDMENT- ANTI-TWO-BLOCK BRACKET (effective through 04/17/13)			1
18.	52723062	WELDMENT-FLIP 7500/8600 (effective through 04/17/13)			1
19.	52723063	WELDMENT- SNATCH BLOCK 7500/8600 (effective through 05/22/13)			1
21.	60030134	SHEAVE	8.00 NYLATRON GSM		1
26.	60030424	CAP- ANTI-TWO-BLOCK PIN (effective through 04/17/13)		2	
29.	60030429	WEAR PAD- ANTI-TWO-BLOCK BRACKET (effective through 04/17/13)		2	
30.	70034490	PLATE-ANGLE PLASTIC	3.5"		2
31.	60109337	RETAINER PLATE-PIN	3.00 DIA		1
37.	52723625	HOOK HOLDER-WELDMENT (effective through 05/22/13)			1

FLIP SHEAVE ASSEMBLY PARTS LIST (99905420)					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
41.	70034517	SPLIT SHEAVE PROTECTOR (effective through 05/22/13)			1
42.	70149793	COLLAR-SHAFT 2 PIECE	.11/.16 IN		1
45.	70580182	CABLE ASSEMBLY	.85FT .38 6X25 FW IWRC XIPS		1
46.	72661514	PIN-LOCK W/HANDLE (effective through 03/15/13)	.875 X 4.25		1
47.	70734559	TRANSMITTER-RADIO REMOTE (effective through 04/17/13)			1
48.	70734560	RECEIVER-RADIO REMOTE (effective through 04/17/13)			1
51.	71073035	HOOK-SWIVEL	L322 AN 5.0T W/LATCH		1
52.	71414204	PLATE-SINGLE SHEAVE	(20#) .38 WIRE ROPE		1
54.	72034485	CLAMP-PLASTIC	1/4" CABLE		8
59.	73734565	PIN-LOCK W/HANDLE	1.00 X 3.50 W/HAIRPIN		2
71.	72062194	NUT-SS	.25-20 NYLOC	#4	2
72.	72063166	WASHER-FLAT	.25 R WRT 18-8 .62OD SS	#4	2
73.	72601846	CAP SCREW	.25-20X 1.25 HH SS	#4	2
74.	70034382	CAP-GREASE		#5	6
77.	72053508	ZERK	NPT 0.12	#5	4
78.	72060000	CAP SCREW	.25-20X .50 HH GR5 Z	#5	2
81.	72060064	CAP SCREW (effective through 04/17/13)	.44-14X 1.50 HH GR5 Z	#5	4
82.	72060091	CAP SCREW (effective through 05/22/13)	.50-13X 1.00 HH GR5 Z	#5	5
84.	72060147	CAP SCREW	.62-11X 1.00 HH GR5 Z	#5	1
86.	72060893	CAP SCREW	.38-16X 3.25 HH GR5 Z	#5	2
87.	72062000	NUT	.25-20 HEX	#5	3
89.	72062103	NUT	.38-16 HEX NYLOCK	#5	2
90.	72062104	NUT (effective through 04/12/13)	.25-20 HEX NYLOCK	#5	2
91.	72062105	NUT (effective through 04/17/13)	.44-14 HEX NYLOCK	#5	4
92.	72062106	NUT	10-24 HEX NYLOCK	#5	7
93.	72063001	WASHER (effective through 02/28/13)	.25 FLAT	#5	10
94.	72063003	WASHER (effective through 04/10/13)	.38 FLAT	#5	16
95.	72063010	WASHER	1.00 FLAT	#5	1
97.	72063049	WASHER (effective through 02/28/13)	.25 LOCK	#5	6
99.	72063053	WASHER (effective through 05/22/13)	.50 LOCK	#5	17
100.	72063132	WASHER	.50 FLAT ASTM F436	#5	17
107.	72661543	PIN-QUICK (effective through 03/15/13)	(WAS 4)	#5	3
108.	72661694	BRIDLE RING	1-1/12ID X 1/4-20	#5	3
123.	72661641	PIN-QUICK	5/16-2-1/16 ZINC YELLOW	#5	1
REV D 20120815					

Model 6000 Crane Parts List, Complete (99905420)

99905420 PARTS LIST, COMPLETE				
ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY
1.	91723654	KIT-HRDW BASE & MAST 7500/8600S		1
2.	91723579	KIT-HRDW WINCH A40-60		1
3.	91723543	KIT-HRDW VB MNT HAWE		1
4.	51719413	KIT-HRDW TELE CRANE RADIO CONTROLS		1
5.	91725204	KIT-HRDW SERIES III 7500/8600S (eff. from 05/22/13)		1
6.	91725087	KIT-HYD A40 SERIES III SP 7500/8600S		A/R
7.	91723656	KIT-HYD A40 SERIES III 7500/8600S		A/R
8.	51723610	CORD REEL ASM- 30FT W/PACKARD W/DEUTSCH		1
9.	51723174	CYL-2.0/1.5 117.00S 139.11CC C		1
10.	52725122	MAST WLDMNT-SERIES III S (eff. from 05/22/13)		1
11.	52725158	WLDMNT-LOWER BOOM 7500-8600S (eff. from 05/22/13)		1
12.	52725159	WLDMNT-1st STAGE EXT BOOM 7500S (eff. from 05/22/13)		1
13.	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
14.	52723030	PIN-TYPE M 1.50X 3.38		1
15.	52725155	WLDMT- A2B BRKT (eff. from 04/17/13)		1
16.	52725153	WLDMT-FLIP SHEAVE 7500/8600 (eff. from 04/17/13)		1
17.	52725065	WLDMT- SNATCH BLOCK 7500/8600 (eff. from 01/30/13)		1
18.	60030134	SHEAVE- 8.00 POLYMER		1
19.	60030433	WEAR PAD-RC 0.19 X 6.00X 4.00		1
20.	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21.	60030432	WEAR PAD-RC 0.25 X 6.00X 5.00		1
22.	60030431	WEAR PAD-RC 0.25X 6.00X 1.25		4
23.	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24.	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
25.	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26.	60109337	RETAINER PLT-PIN 3.00 DIA		1
27.	60120138	SLIDE-ROTATION STOP 3816		1
28.	60128849	GEAR GUARD 6025 SII		1
29.	60140900	CAP-LOWER BOOM	#124	1
30.	60136129	CAP-FIRST STAGE		1
31.	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32.	60127979	PLATE-EXT CYL C-CLIP		2
33.	70029595	THREADED PLUG 1.00-8 (3816)		2
34.	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
35.	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2
36.	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2
37.	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38.	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN (eff. from 03/15/13)		1
39.	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN (eff. from 04/17/13)		A/R
40.	70734762	TRANSMITTER-RAD REM TELE S3 GATED W-HORN (eff. from 04/17/13)		A/R
41.	70734748	TRANSMITTER-S3 TELE SINGLE PROP (eff. from 04/17/13)		A/R
42.	70734750	RECEIVER-S3 TELE SINGLE PROP (eff. from 04/17/13)		A/R

99905420 PARTS LIST, COMPLETE				
ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY
43.	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN (eff. from 04/17/13)		A/R
44.	71056543	GEAR ROTATOR 5020 170-00012-1		1
45.	76039295	GASKET-GEA19 008-10056-1	#44	1
46.	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47.	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
48.	71570968	WINCH-PLANETARY 4400 LINE PULL (A41)		1
49.	72034485	CLAMP-PLASTIC 1/4" CABLE		8
50.	72063036	MACHY BUSHING 1.50X14 GA NR		A/R
51.	72063037	MACHY BUSHING 1.50X10 GA NR		A/R
52.	72063219	WASHER-FLAT .62 (eff. from 02/14/13)		4
53.	73051919	MOTOR-HYD (101-2638-009)		1
54.	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
55.	73734727	VALVE BANK-4SEC 4R 10GPM TELE PROP 12V G (WAS 73734635)		A/R
56.	77041863	SWITCH-LIMIT DT04-4P CONN		1
57.	77441481	HARNESS-TELE RADIO REMOTE SERIES III (WAS 77441426)		A/R
58.	72060177	CAP SCR .62-11X 3.00 HH GR8 Z (eff. from 02/14/13)	#1	15
59.	72063119	WASHER .62 FLAT ASTM F436 (eff. from 02/14/13)	#1	11
60.	72062108	NUT .50-20 HEX CENTER LOCKING	#2	4
61.	72063132	WASHER .50 FLAT ASTM F436	#2	4
62.	72602061	STUD .50-13(20)X 2.50 NC(NF) GR8 STL	#2	4
63.	72601797	WASHER-LOCK 8MM	#3	4
64.	72602065	WASHER-FLAT M 8	#3	4
65.	72602052	CAP SCR M 8-1.25X 16 HHZ	#3	4
66.	72062194	NUT-SS .25-20 NYLOC	#4	2
67.	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	#4	2
68.	72601846	CAP SCR .25-20X 1.25 HH SS	#4	2
69.	70034382	CAP-GREASE PRO20 GC-RED	#5	6
70.	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	#5	1
71.	72053301	COUPLING-GLV .12 SCH 40	#5	1
72.	72053508	ZERK-NPT .12	#5	4
73.	72060000	CAP SCR .25-20X .50 HH GR5 Z	#5	6
74.	72060044	CAP SCR .38-16X .75 HH GR5 Z	#5	8
75.	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	#5	15
76.	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	#5	1
77.	72060639	SCR-MACH 10-24X 1.25 RDH	#5	4
78.	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	#5	2
79.	72062000	NUT .25-20 HEX	#5	3
80.	72062093	NUT # 8-32 HEX ZINC (eff. from 04/10/13)	#5	2
81.	72062103	NUT .38-16 HEX NYLOCK	#5	2
82.	72062104	NUT .25-20 HEX NYLOCK (eff. from 04/12/13)	#5	6
83.	72062106	NUT 10-24 HEX NYLOCK	#5	7
84.	72063001	WASHER .25 FLAT (eff. from 02/28/13)	#5	14
85.	72063003	WASHER .38 FLAT (eff. from 04/10/13)	#5	12
86.	72063010	WASHER 1.00 FLAT	#5	1
87.	72063035	MACHY BUSHING 1.25X10 GA NR	#5	2
88.	72063049	WASHER .25 LOCK (eff. from 02/28/13)	#5	6

99905420 PARTS LIST, COMPLETE			
ITEM	PART NUMBER	DESCRIPTION	KIT # QTY
89.	72063051	WASHER .38 LOCK	#5 8
90.	72063053	WASHER .50 LOCK (eff. from 05/22/13)	#5 15
91.	72063132	WASHER .50 FLAT ASTM F436	#5 17
92.	72063271	WASHER # 8 W FLAT ANSI B27.2Z	#5 2
93.	72066129	RETAINING RING-EXT 1.25 HD	#5 2
94.	72601938	BOLT-EYE # 8-32X 1.125	#5 1
95.	72601949	CAP SCR .50-13X 1.25 SH ZC	#5 2
96.	72602085	BOLT-SHLDR .38X 1.25 (5/16 thds) SS	#5 1
97.	72661543	PIN-QUICK 316-10QP (eff. from 03/15/13)	#5 2
98.	72661694	BRIDLE RING 1-1/12ID X 1/4-20	#5 3
99.	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	#5 1
100.	72532355	ADPTR-M STR/M JIC 6 6	#6 1
101.	72532356	ADPTR-M STR/M JIC 8 6	#6 6
102.	72532357	ADPTR-M STR/M JIC 6 8	#6 1
103.	72532358	ADPTR-M STR/M JIC 8 8	#6 4
104.	72532359	ADPTR-M STR/M JIC 10 8	#6 2
105.	72532361	ADPTR-M STR/M JIC 8 10	#6 1
106.	72532670	ELBOW-M JIC/45/F JIC 8 8	#6 1
107.	72532690	ELBOW-M JIC/90/F JIC SW 4 4	#6 1
108.	72532792	ADPTR-M STR/M JIC 8 4	#6 1
109.	72533490	ADPTR-M BSPP/M JIC 4 4	#6 1
110.	72533583	ELBOW-M STR/45/M JIC 8 6	#6 1
111.	72533613	ADPTR-M STR/M JIC 10 6	#6 2
112.	51724528	CYL-4.0/2.2 25.06S 45.52CC C	1
113.	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	#5 1
114.	93725208	KIT-CABLE GUIDE 7500/8600S	1
115.	60140838	COVER-VALVE BANK SIII (eff. from 03/05/13)	1
116.	60140839	BRKT-MAST VB 6000-8600S (eff. from 03/05/13)	2
117.	72060004	CAP SCR .25-20X 1.00 HH GR5 Z (eff. from 03/05/13)	#5 4
118.	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69	A/R
119.	77441537	HARNESS-S3 TELE S-PROP VALVE BANK CERVIS	A/R
120.	60140913	PIN-TYPE NN 1.50X 7.25 (eff. from 05/22/13)	1
121.	71415015	KEEPER-PIN .50 (eff. from 05/22/13)	3
122.	60140914	PIN-TYPE NN 1.50X10.75 (eff. from 05/22/13)	2
123.	60030486	SPACER-A2B BRACKET (eff. from 05/22/13)	2
124.	60140934	GUIDE - CABLE WEAR (NARROW) (eff. from 04/12/13)	1
125.	60140937	BRKT - CABLE GUIDE (NARROW) (eff. from 04/12/13)	#124 1
126.	72060006	CAP SCR .25-20X 1.50 HH GR5 Z (eff. from 04/12/13)	#124 2
127.	72062104	NUT .25-20 HEX NYLOCK (eff. from 04/12/13)	#124 2
128.	72534898	O-RING EXTENDER 08-08	1
129.	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST	1
130.	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12	1
131.	72053767	ELBOW-M STR/90/M JIC 12 12	1
132.	72533623	ELBOW-M STR/90/M JIC 8 12	1
133.	60143075	BRKT-MAST VB 6000-8600S FP	1

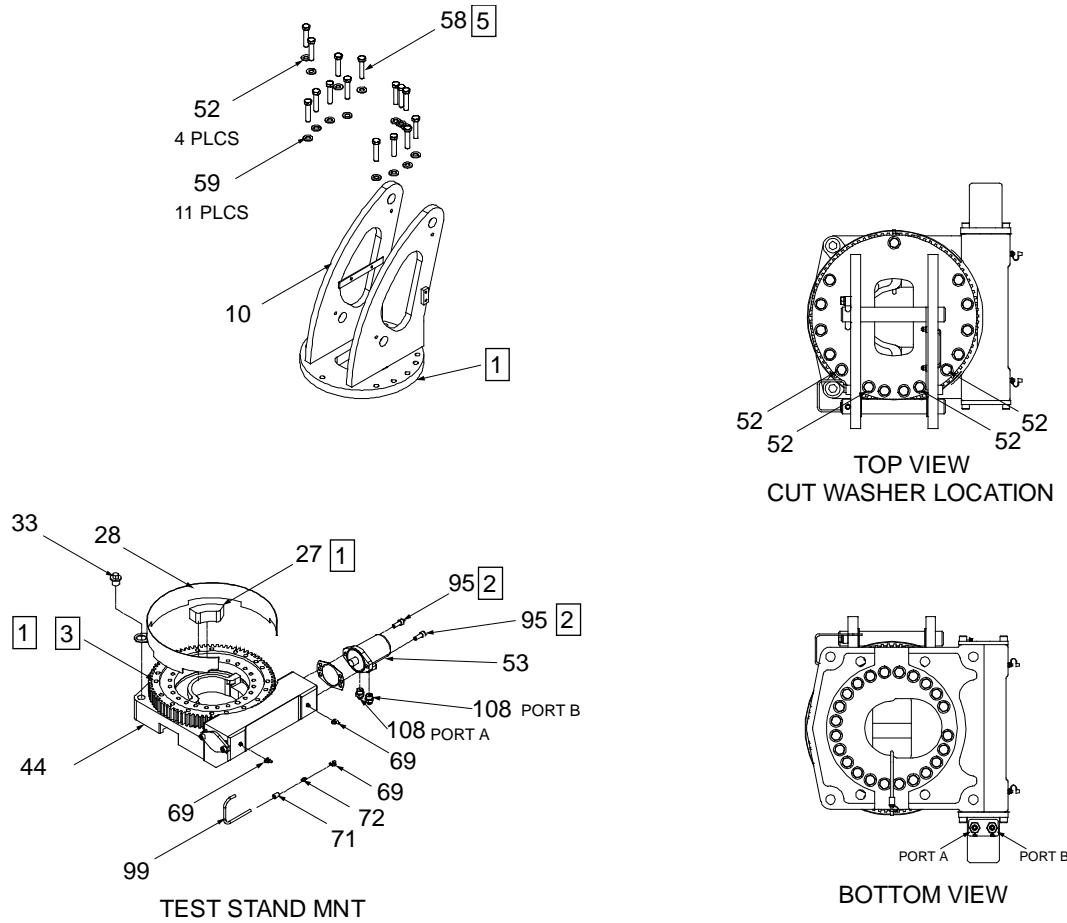
99905420 PARTS LIST, COMPLETE

ITEM	PART NUMBER	DESCRIPTION	KIT #	QTY
REV V	20150622			

Base & Mast Assembly, Test Stand, Effective 01/04/16)

99905420-3

NOTE: This base and mast assembly is shown as if it were mounted on a test stand.



NOTES:

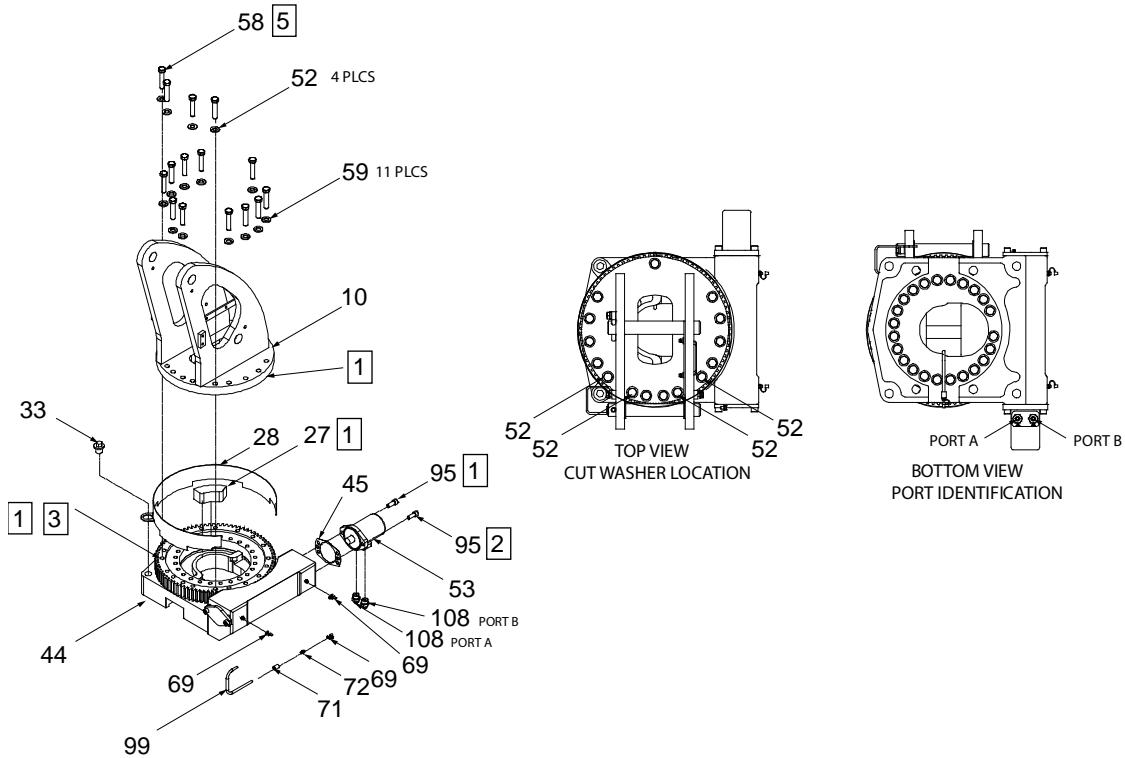
1. USE RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST, AND TOP OF GEAR BEARING.
2. APPLY BLUE THREAD LOCKER.
3. APPLY GEAR LUBE ON GEAR TEETH.
4. BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON TRUCK.
5. TORQUE TO 160 FT-LBS.

99905420-3 BASE & MAST ON TRUCK (Effective 01/04/16)				
ITEM	PART NO	DESCRIPTION	KIT #	QTY
10	52725122	MAST WLDMNT-SERIES III S		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
33	70029595	THREADED PLUG 1.00-8 (3816)		2
44	71056543	GEAR ROTATOR 5020 170-00012-1		1
52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1
58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	1	15
59	72063119	WASHER .62 FLAT ASTM F436	1	11
69	70034382	CAP-GREASE PRO20 GC-RED	5	6
71	72053301	COUPLING-GLV .12 SCH 40	5	1
72	72053508	ZERK-NPT .12	5	4
95	72601949	CAP SCR .50-13X 1.25 SH ZC	5	2
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	5	1
108	72533613	ADPTR-M STR/M JIC 10 6	6	2
REV. Z 20160128				

Base & Mast Assembly, Truck Mount (99905420) (Effective 01/04/16)

99905420-4

NOTE: This base and mast assembly is shown as if it were mounted on a truck.



NOTES:

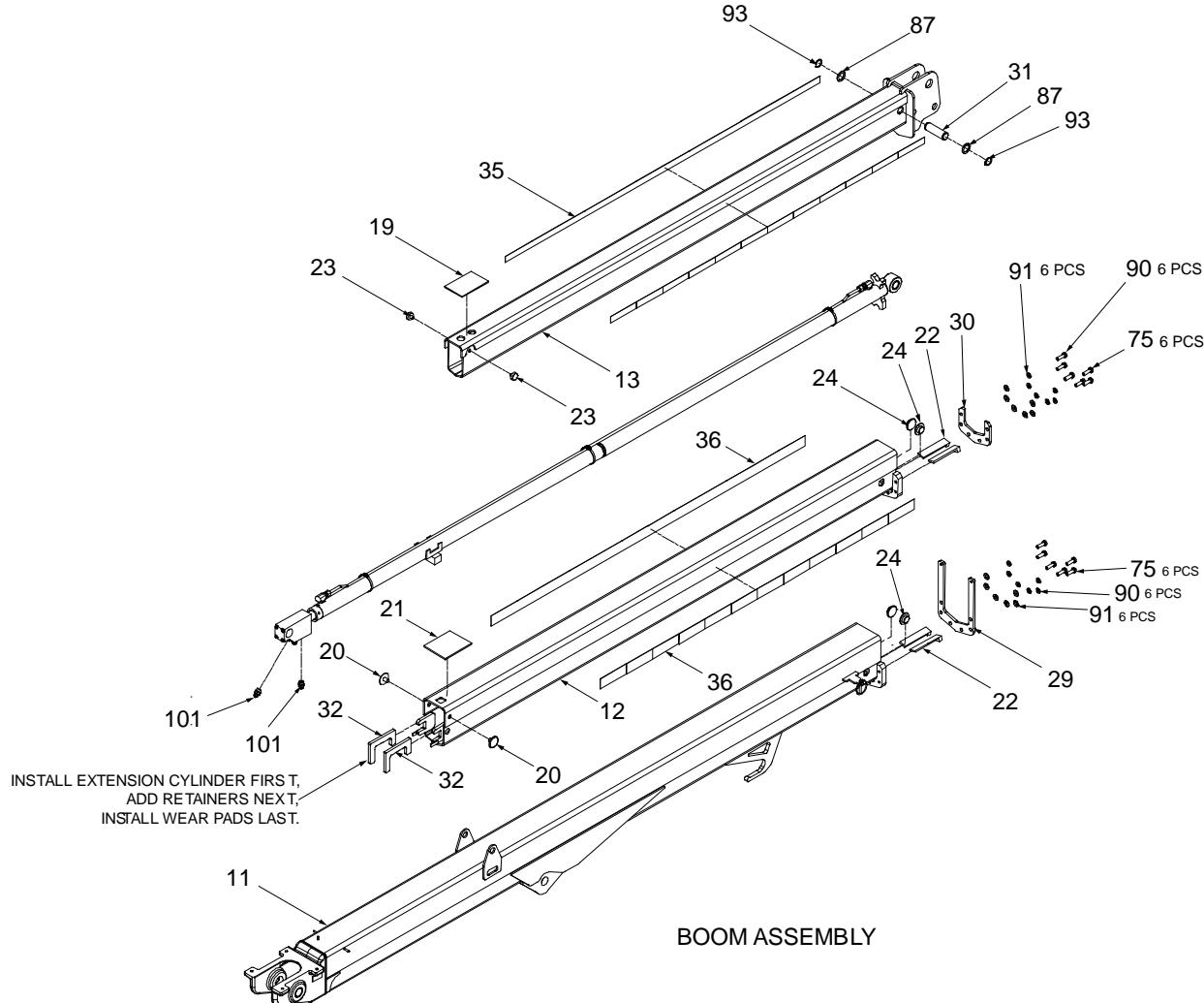
1. USE RUST PREVENTATIVE ON SLIDE STOP, BEARING RACE, BOTTOM OF MAST, AND TOP OF GEAR BEARING.
2. APPLY BLUE THREAD LOCKER.
3. APPLY GEAR LUBE ON GEAR TEETH.
4. BASE AND MAST ASSEMBLY SHOWN AS MOUNTED ON TRUCK.
5. TORQUE TO 160 FT-LBS.

99905420-4 BASE & MAST ON TRUCK (Effective 01/04/16)				
ITEM	PART NO	DESCRIPTION	KIT #	QTY
10	52725122	MAST WLDMNT-SERIES III S		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
33	70029595	THREADED PLUG 1.00-8 (3816)		2
44	71056543	GEAR ROTATOR 5020 170-00012-1		1

45	76039295	GASKET-GEA19 008-10056-1	44	1
52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1
58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	1	15
59	72063119	WASHER .62 FLAT ASTM F436	1	11
69	70034382	CAP-GREASE PRO20 GC-RED	5	6
71	72053301	COUPLING-GLV .12 SCH 40	5	1
72	72053508	ZERK-NPT .12	5	4
95	72601949	CAP SCR .50-13X 1.25 SH ZC	5	2
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	5	1
108	72533613	ADPTR-M STR/M JIC 10 6	6	2
REV. Z 20160128				

Boom Assembly (99905420) Effective 01/04/16

99905420-5



NOTES: CYLINDER CAP & CAP SCREWS ARE INCLUDED WITH THE EXTENSION CYLINDER.

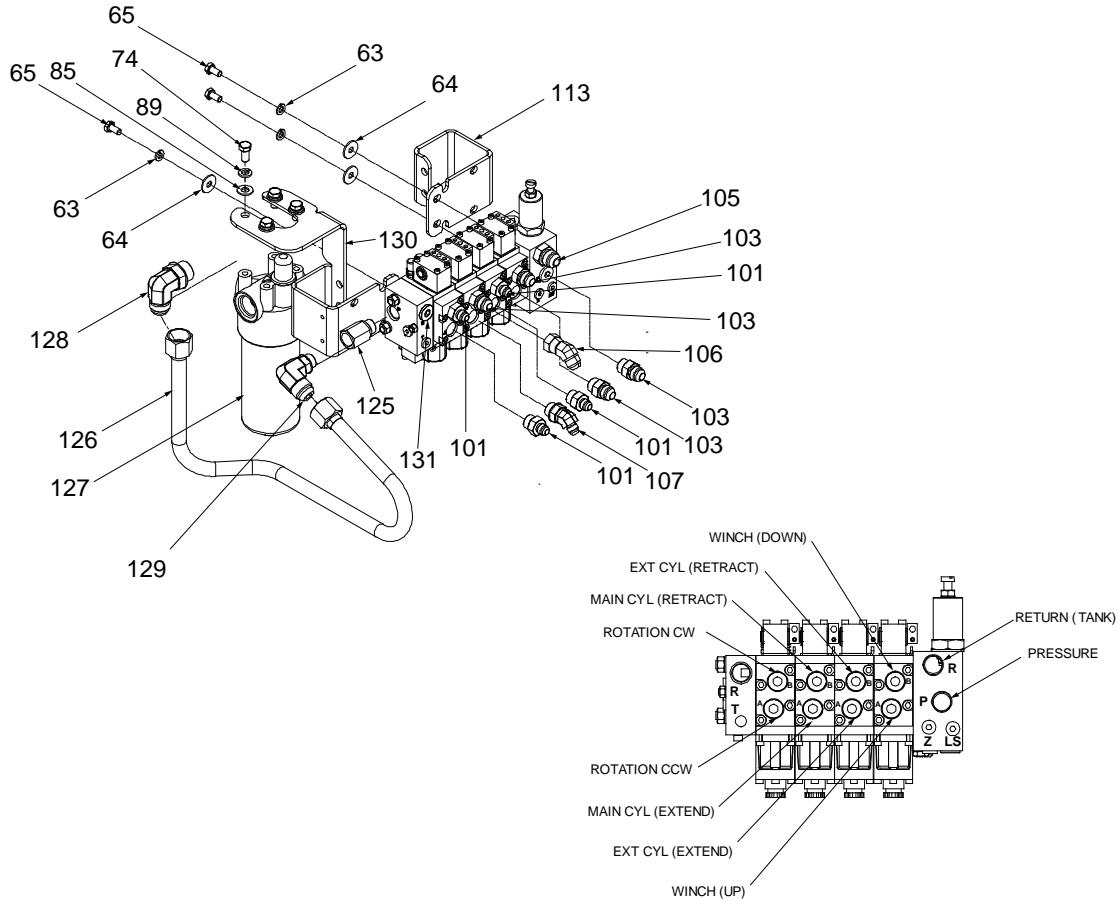
99905420-5 PARTS LIST (Effective 01/04/16)		
ITEM	PART NO	DESCRIPTION
		KIT # QTY

ITEM	PART NO	DESCRIPTION	KIT #	QTY

11	52725158	WLDMNT-LOWER BOOM 7500-8600S		1
12	52725159	WLDMNT-1st STAGE EXT BOOM 7500S		1
13	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
19	60030433	WEAR PAD-RC .19 X 6.00X 4.00		1
20	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21	60030432	WEAR PAD-RC .25 X 6.00X 5.00		1
22	60030431	WEAR PAD-RC .25X 6.00X 1.25		4
23	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
29	60140900	CAP-LOWER BOOM	111	1
30	60136129	CAP-FIRST STAGE		1
31	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32	60127979	PLATE-EXT CYL C-CLIP		2
35	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2
36	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	5	15
87	72063035	MACHY BUSHING 1.25X10 GA NR	5	2
90	72063053	WASHER .50 LOCK	5	15
91	72063132	WASHER .50 FLAT ASTM F436	5	17
93	72066129	RETAINING RING-EXT 1.25 HD	5	2
101	72532356	ADPTR-M STR/M JIC 8 6	6	6
REV. Z 20160128				

Valve Bank Assembly (99905420) Effective 01/04/16

99905420-7



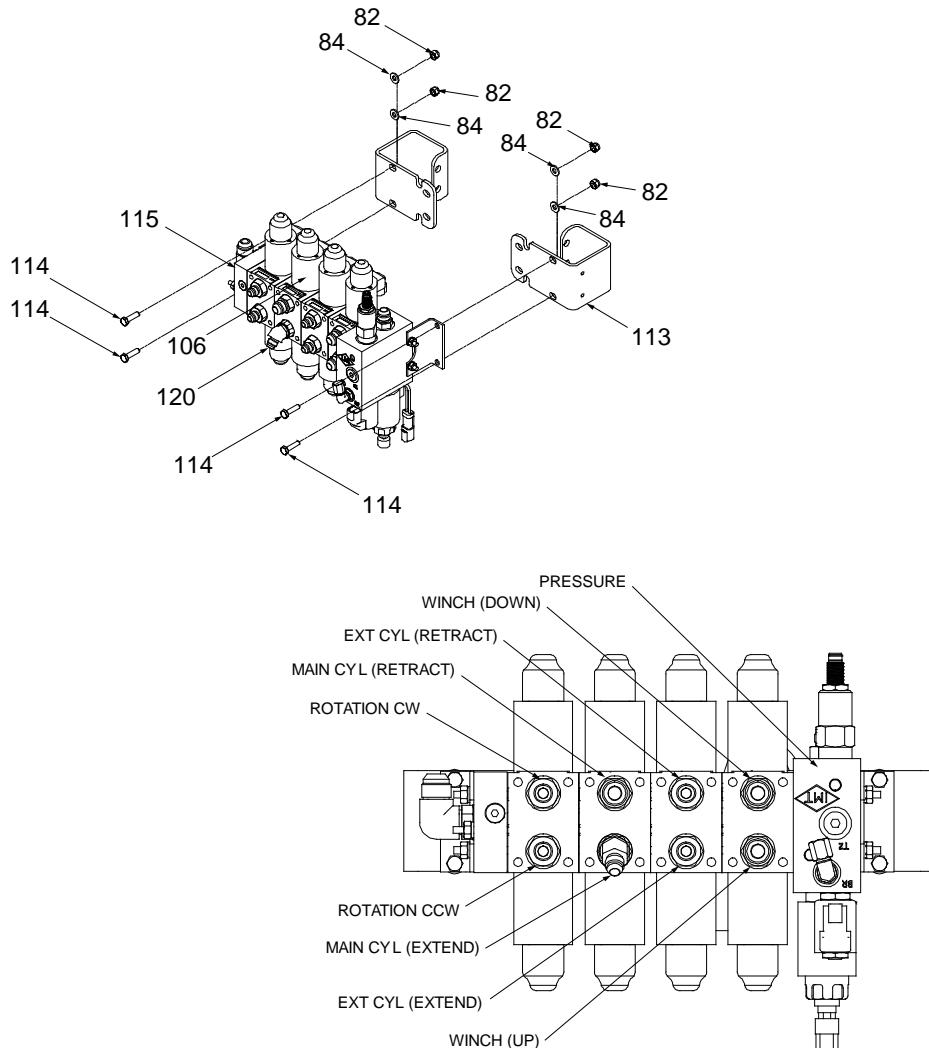
FULLY PROPORTIONAL VALVE BANK ASSEMBLY

99905420-7 PARTS LIST (EFFECTIVE 01/04/16)				
ITEM	PART NO	DESCRIPTION	KIT NO	QTY
63	72601797	WASHER-LOCK 8MM	3	4
64	72602065	WASHER-FLAT M 8	3	4
65	72602052	CAP SCR M 8-1.25X 16 HHZ	3	4
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	5	8
85	72063003	WASHER .38 FLAT	5	12
89	72063051	WASHER .38 LOCK	5	8
101	72532356	ADPTR-M STR/M JIC 8 6	6	6

103	72532358	ADPTR-M STR/M JIC 8 8	6	4
105	72532361	ADPTR-M STR/M JIC 8 10	6	1
106	72532670	ELBOW-M JIC/45/F JIC 8 8	6	1
107	72533583	ELBOW-M STR/45/M JIC 8 6	6	1
113	60140839	BRKT-MAST VB 6000-8600S		2
125	72534898	O-RING EXTENDER 08-08		1
126	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
127	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
131	72532686	PLUG-STR SOC HD STL 8 (.75 THD)	6	1
REV. Z 20160128				

Single Proportional Valve Bank Assembly (99905420) Effective 01/04/2016

99905420-8



SINGLE PROPORTIONAL VALVE BANK ASSEMBLY

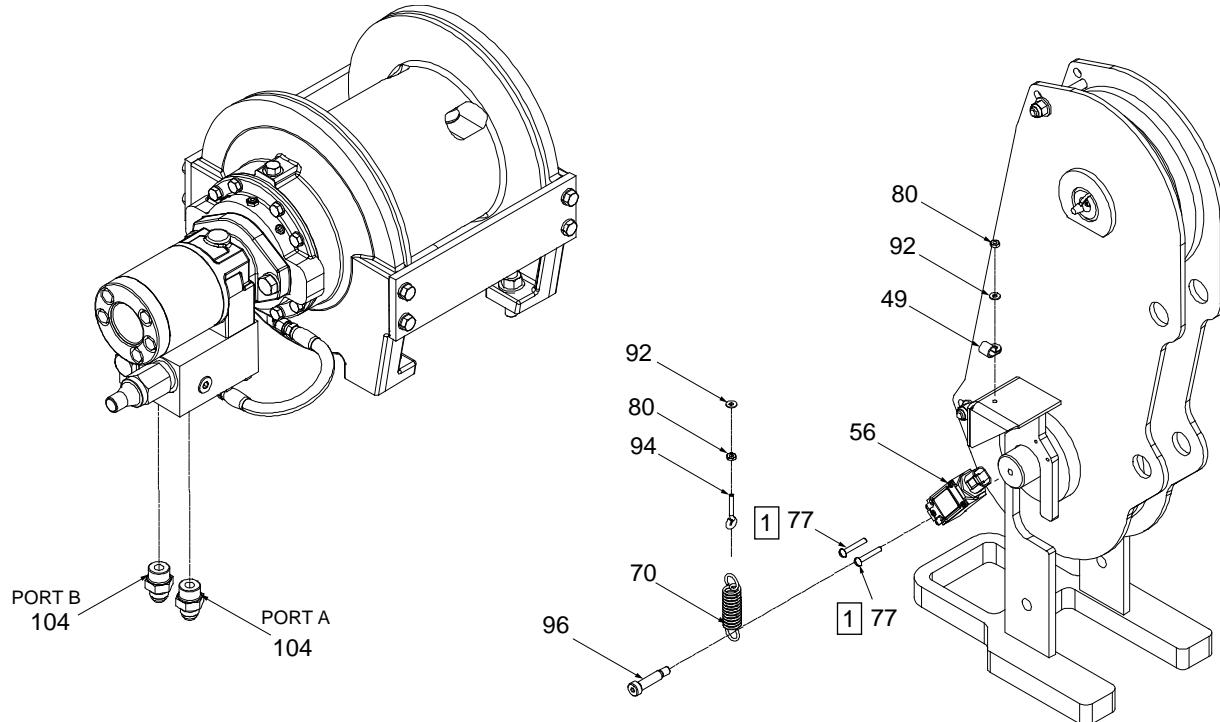
SINGLE PROPORTIONAL VALVEBANK ASSEMBLY PARTS LIST (99905420-8) (EFFECTIVE 01/04/16)				
ITEM	PART #	DESCRIPTION	KIT #	QTY
82	72062104	NUT .25-20 HEX NYLOCK	5	6
84	72063001	WASHER .25 FLAT	5	18
106	72532670	ELBOW-M JIC/45/F JIC 8 8	6	1

SINGLE PROPORTIONAL VALVEBANK ASSEMBLY PARTS LIST (99905420-8) (EFFECTIVE 01/04/16)				
ITEM	PART #	DESCRIPTION	KIT #	QTY
113	60140839	BRKT-MAST VB 6000-8600S		2
114	72060004	CAP SCR .25-20X 1.00 HH GR5 Z	5	8
115	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69		A/R
120	60030486	SPACER-A2B BRACKET		2

REV. Z 20160128

A2B Assembly (99905420-9) Effective 01/04/16

99905420-9



A2B ASSEMBLY

NOTES:

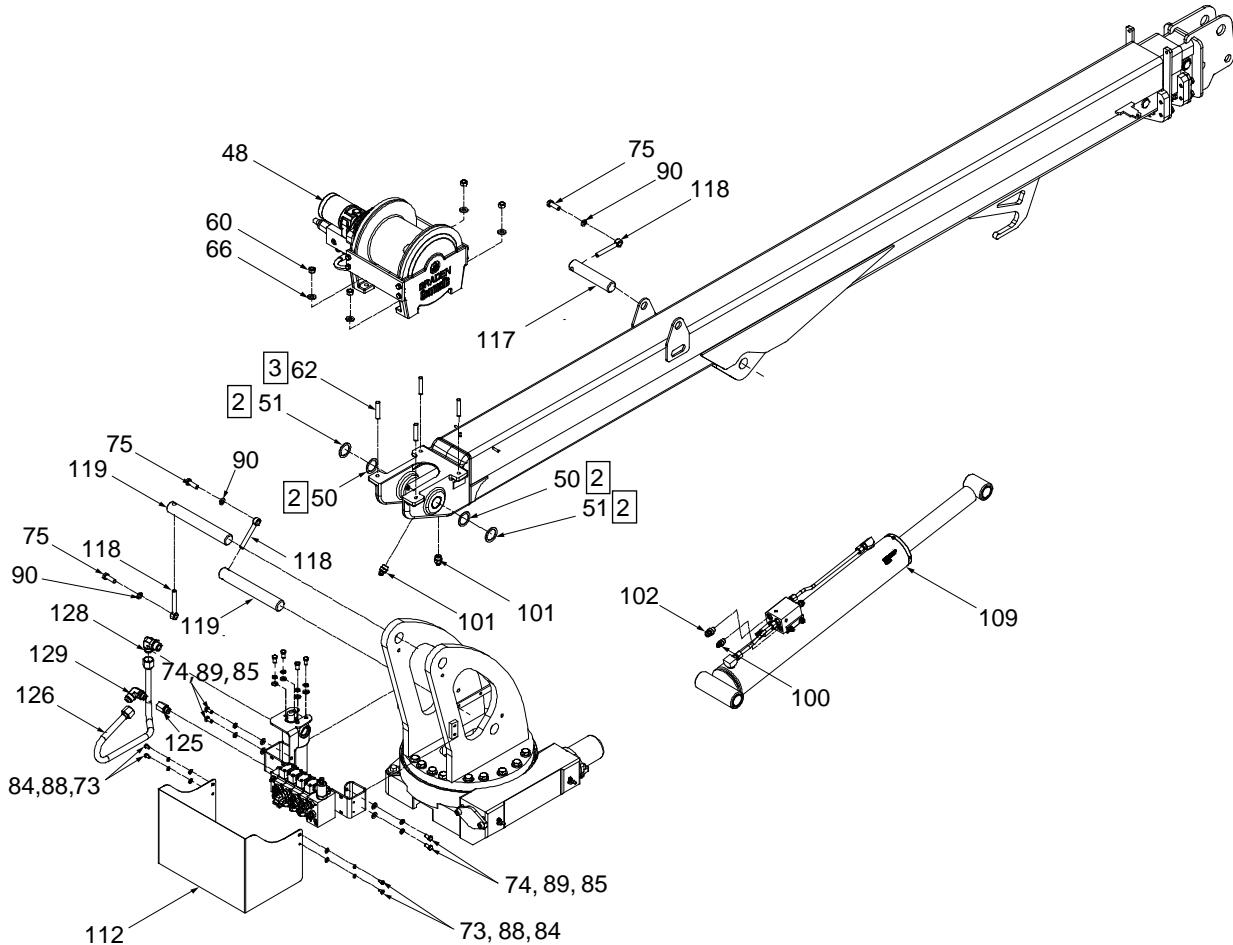
1. APPLY BLUE LOCKTITE

99905420-9 WINCH & ANTI-TWO BLOCK ASSEMBLY (EFFECTIVE 01/04/16)

ITEM	PART #	DESCRIPTION	KIT #	QTY
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
56	77041863	SWITCH-LIMIT DT04-4P CONN		1
70	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	5	1
77	72060639	SCR-MACH 10-24X 1.25 RDH	5	4
80	72062093	NUT # 8-32 HEX ZINC	5	2
92	72063271	WASHER # 8 W FLAT ANSI B27.2Z	5	2
94	72601938	BOLT-EYE # 8-32X 1.125	5	1
96	72602085	BOLT-SHLD R .38X 1.25 (5/16 thds) SS	5	1
104	72532359	ADPTR-M STR/M JIC 10 8	6	2
REV. Z 20160128				

Crane and Winch Assembly (99905420-10)

Effective 01/04/16


NOTES:

1. APPLY ANTI-SEEZ TO BOOM AND CYLINDER MOUNTING PINS. DO NOT ALLOW ANTI-SEEZ TO COME IN CONTACT WITH BOOM OR CYLINDER PIN BOSS BEARINGS.
2. IF REQUIRED USE 72063036 OR 72063037 MACHNY BUSHINGS BETWEEN MAST AND LOWER BOOM.
3. APPLY BLUE LOCKTITE.

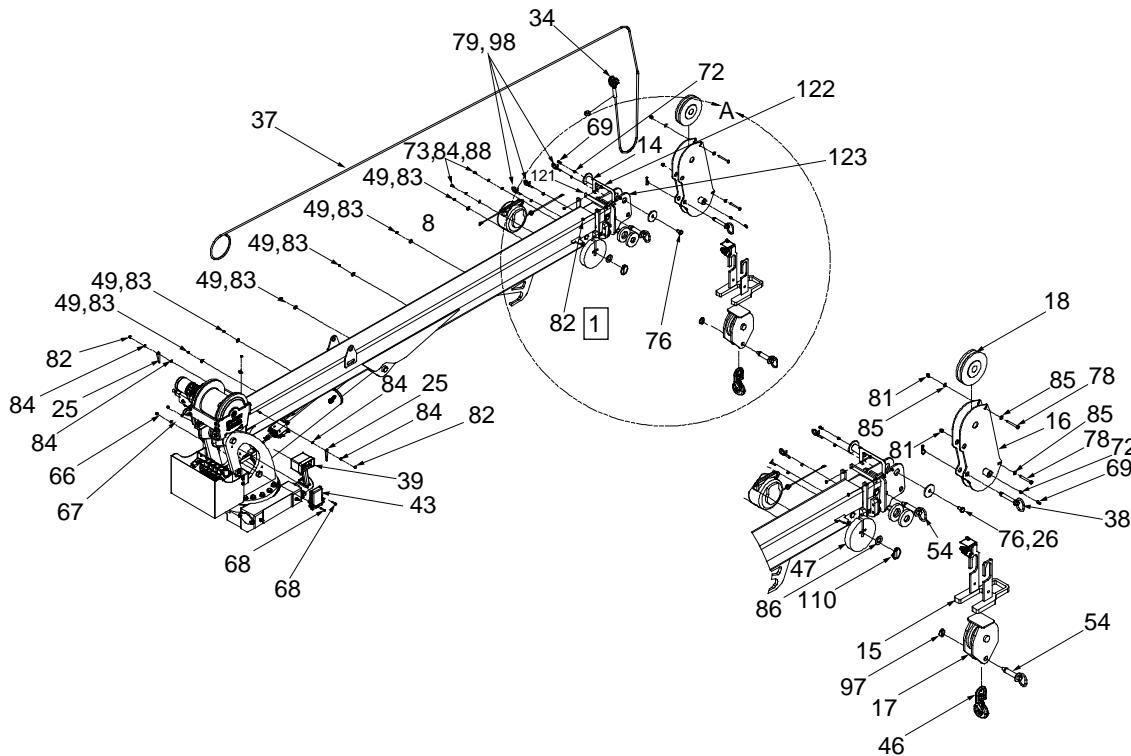
CRANE & WINCH ASSEMBLY PARTS (99905420-10) (EFFECTIVE 01/04/16)

ITEM	PART #	DESCRIPTION	KIT #	QTY
48	70570761	WINCH-PLANETARY 5500 LB LINE PULL		1
50	72063036	MACHY BUSHING 1.50X14 GA NR		A/R
51	72063037	MACHY BUSHING 1.50X10 GA NR		A/R
60	72062108	NUT .50-20 HEX CENTER LOCKING	2	4
62	72062138	STUD .50-20X 2.25 DBL .50-13 GR8 STL	2	4
66	72062194	NUT-SS .25-20 NYLOC	4	2
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	5	2

74	72060044	CAP SCR .38-16X .75 HH GR5 Z	5	8
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	5	15
84	72063001	WASHER .25 FLAT	5	18
85	72063003	WASHER .38 FLAT	5	12
88	72063049	WASHER .25 LOCK	5	2
89	72063051	WASHER .38 LOCK	5	8
90	72063053	WASHER .50 LOCK	5	15
100	72532355	ADPTR-M STR/M JIC 6 6	6	1
101	72532356	ADPTR-M STR/M JIC 8 6	6	6
102	72532357	ADPTR-M STR/M JIC 6 8	6	1
109	51724528	CYL-4.0/2.2 25.06S 45.52CC C		1
112	60144215	COVER-VALVE BANK SIII		1
117	60140913	PIN-TYPE NN 1.50X 7.25		1
118	71415015	KEEPER-PIN .50		3
119	60140914	PIN-TYPE NN 1.50X10.75		2
125	72534898	O-RING EXTENDER 08-08		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
REV. Z 20160128				

Flip Sheave Assembly (99905420) Effective 01/04/16

99905420-11



FLIP SHEAVE ASSEMBLY

NOTES:

- ## **1. APPLY BLUE THREAD LOCKTITE.**

99905420-11 PARTS LIST (Effective 01/04/16)				
ITEM	PARTS NO	DESCRIPTION	KIT NO.	QTY
15	52725155	WLDMT- A2B BRKT		1
16	52725153	WLDMT-FLIP SHEAVE 7500/8600		1
17	52725065	WLDMT- SNATCH BLOCK 7500/8600		1
18	60030134	SHEAVE- 8.00 POLYMER		1
25	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26	60109337	RETAINER PLT-PIN 3.00 DIA		1
34	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
37	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN		1

39	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN		A/R
43	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN		A/R
46	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
54	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
66	72062194	NUT-SS .25-20 NYLOC	4	2
67	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	4	2
68	72601846	CAP SCR .25-20X 1.25 HH SS	4	2
72	72053508	ZERK-NPT .12	5	4
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	5	2
76	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	5	1
78	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	5	2
79	72062000	NUT .25-20 HEX	5	3
81	72062103	NUT .38-16 HEX NYLOCK	5	2
82	72062104	NUT .25-20 HEX NYLOCK	5	6
83	72062106	NUT 10-24 HEX NYLOCK	5	7
84	72063001	WASHER .25 FLAT	5	18
85	72063003	WASHER .38 FLAT	5	12
86	72063010	WASHER 1.00 FLAT	5	1
88	72063049	WASHER .25 LOCK	5	2
97	72661543	PIN-QUICK 316-10QP	5	2
98	72661694	BRIDLE RING 1-1/12ID X 1/4-20	5	3
110	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	5	1
122	60140937	BRKT - CABLE GUIDE (NARROW)	111	1
123	72060006	CAP SCR .25-20X 1.50 HH GR5 Z	111	2

REV. Z 20160128

Model 6000 Crane Parts List, Complete (99905420) (Effective 01/04/16)

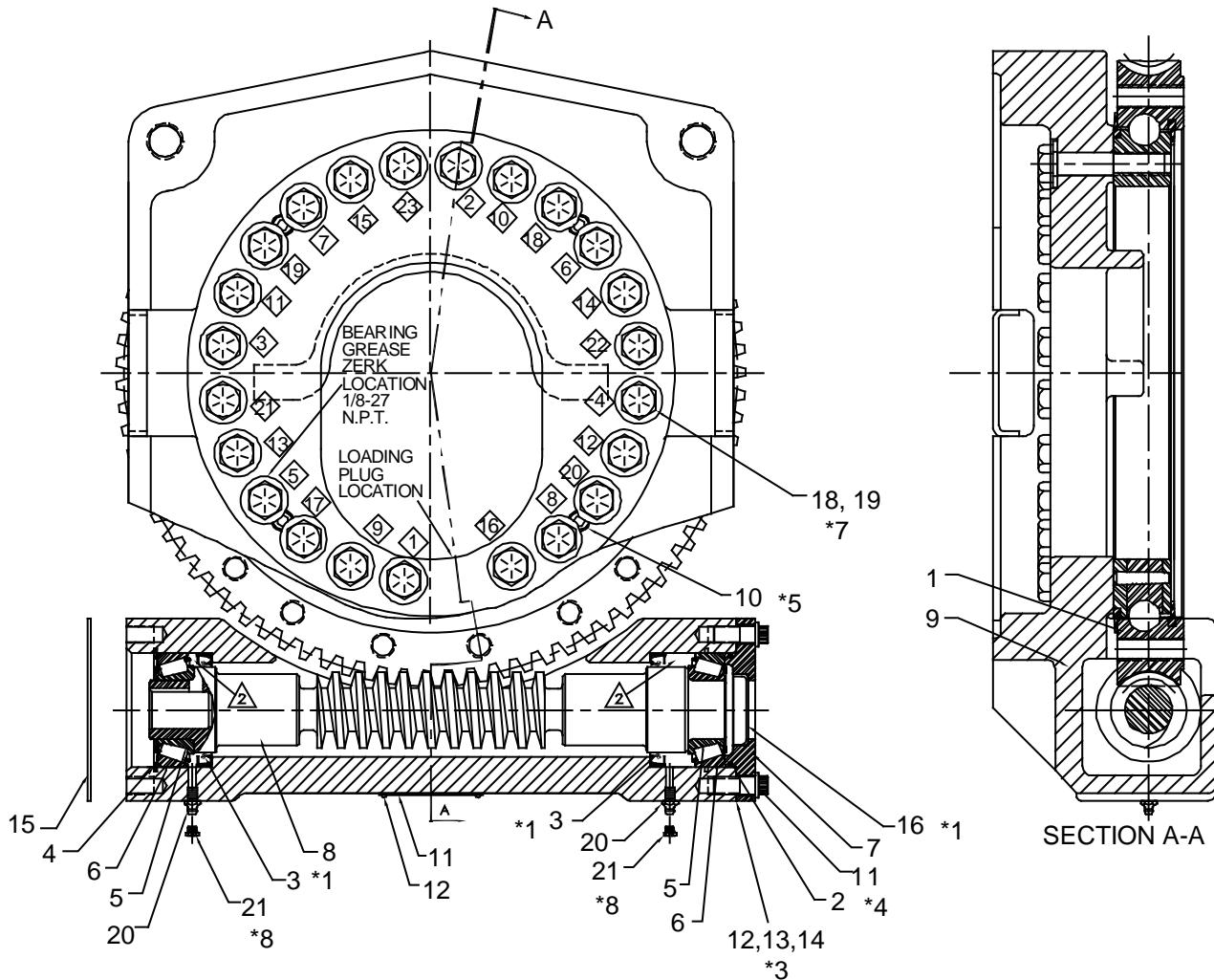
99905420 COMPLETE PARTS LIST (EFFECTIVE 01/04/16)				
ITEM	PART NO	DESCRIPTION	KIT NO	QTY
1	91723654	KIT-HRDW BASE & MAST 7500/8600S		1
2	91726834	KIT-HRDW WINCH MNT BG4-BG6		1
3	91723543	KIT-HRDW VB MNT HAWE		1
4	51719413	KIT-HRDW TELE CRANE RADIO CONTROLS		1
5	91725204	KIT-HRDW SERIES III 7500/8600S		1
6	91726822	KIT-HYD BG4 SERIES III FP 7500/8600S (Effective 01/04/16)		A/R
7	91726823	KIT-HYD BG4 SERIES III SP 7500/8600S		A/R
8	51723610	CORD REEL ASM- 30FT W/PACKARD W/DEUTSCH		1
9	51723174	CYL-2.0/1.5 117.00S 139.11CC C		1
10	52725122	MAST WLDMNT-SERIES III S		1
11	52725158	WLDMNT-LOWER BOOM 7500-8600S		1
12	52725159	WLDMNT-1st STAGE EXT BOOM 7500S		1
13	52723169	WLDMNT-2ND STAGE EXT BOOM 7500/8600		1
14	52723030	PIN-TYPE M 1.50X 3.38		1
15	52725155	WLDMT- A2B BRKT		1
16	52725153	WLDMT-FLIP SHEAVE 7500/8600		1
17	52725065	WLDMT- SNATCH BLOCK 7500/8600		1
18	60030134	SHEAVE- 8.00 POLYMER		1
19	60030433	WEAR PAD-RC 0.19 X 6.00X 4.00		1
20	60030339	WEAR PAD-RND 0.19X 2.00X .60X .81		2
21	60030432	WEAR PAD-RC 0.25 X 6.00X 5.00		1
22	60030431	WEAR PAD-RC 0.25X 6.00X 1.25		4
23	60030425	WEAR PAD-RND 0.44X 1.25X .50X .50		2
24	60030427	WEAR PAD-RND 0.19X 2.00X 1.25X .44		4
25	70034490	PLATE-ANGLE PLASTIC 3.50"		2
26	60109337	RETAINER PLT-PIN 3.00 DIA		1
27	60120138	SLIDE-ROTATION STOP 3816		1
28	60128849	GEAR GUARD 6025 SII		1
29	60140900	CAP-LOWER BOOM	111	1
30	60136129	CAP-FIRST STAGE		1
31	60136309	PIN-TYPE A 1.25X 4.27 (3.83)		1
32	60127979	PLATE-EXT CYL C-CLIP		2
33	70029595	THREADED PLUG 1.00-8 (3816)		2
34	70149793	COLLAR-SHAFT 2 PIECE 11/16 IN		1
35	70399053	TAPE-REFLECTIVE RED/SILVER 1.25X72.00		2

36	70396734	TAPE-REFLECTIVE RED/SILVER 2.00X72.00		2
37	70580182	CABLE ASM-1020in .38 6X25 FW IWRC XIPS		1
38	73734752	PIN-LOCK W/HANDLE 0.75 X 4.00 W/HAIRPIN		1
39	70734761	TRANSMITTER-RAD REM TELE S3 NON-G W-HORN		A/R
40	70734762	TRANSMITTER-RAD REM TELE S3 GATED W-HORN		A/R
41	70734748	TRANSMITTER-S3 TELE SINGLE PROP		A/R
42	70734750	RECEIVER-S3 TELE SINGLE PROP		A/R
43	70734763	RECEIVER-RADIO REMOTE TELE SIII W-HORN		A/R
44	71056543	GEAR ROTATOR 5020 170-00012-1		1
45	76039295	GASKET-GEA19 008-10056-1	44	1
46	71073035	HOOK-SWVL L322 AN 5.0T W/LATCH		1
47	71414204	PLATE-SINGLE SHEAVE (20#) .38 WIRE ROPE		1
48	70570761	WINCH-PLANETARY 5500 LB LINE PULL		1
49	72034485	CLAMP-PLASTIC 1/4" CABLE		8
50	72063036	MACHY BUSHING 1.50X14 GA NR		A/R
51	72063037	MACHY BUSHING 1.50X10 GA NR		A/R
52	72063219	WASHER-FLAT .62		4
53	73051919	MOTOR-HYD (101-2638-009)		1
54	73734565	PIN-LOCK W/HANDLE 1.00 X 3.50 W/HAIRPIN		2
55	73734727	VALVE BANK-4SEC 4R 10GPM TELE PROP 12V G		A/R
56	77041863	SWITCH-LIMIT DT04-4P CONN		1
57	77441481	Harness-TELE RADIO REMOTE SERIES III		A/R
58	72060177	CAP SCR .62-11X 3.00 HH GR8 Z	1	15
59	72063119	WASHER .62 FLAT ASTM F436	1	11
60	72062108	NUT .50-20 HEX CENTER LOCKING	2	4
61	72063132	WASHER .50 FLAT ASTM F436	2	4
62	72602138	STUD .50-20X 2.25 DBL .50-13 GR8 STL	2	4
63	72601797	WASHER-LOCK 8MM	3	4
64	72602065	WASHER-FLAT M 8	3	4
65	72602052	CAP SCR M 8-1.25X 16 HHZ	3	4
66	72062194	NUT-SS .25-20 NYLOC	4	2
67	72063166	WASHER-FLAT .25 R WRT 18-8 .62OD SS	4	2
68	72601846	CAP SCR .25-20X 1.25 HH SS	4	2
69	70034382	CAP-GREASE PRO20 GC-RED	5	6
70	71413185	SPRING-.105WIRE 0.75OD 2.875 LG	5	1
71	72053301	COUPLING-GLV .12 SCH 40	5	1
72	72053508	ZERK-NPT .12	5	4
73	72060000	CAP SCR .25-20X .50 HH GR5 Z	5	2
74	72060044	CAP SCR .38-16X .75 HH GR5 Z	5	8
75	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	5	15

76	72060147	CAP SCR .62-11X 1.00 HH GR5 Z	5	1
77	72060639	SCR-MACH 10-24X 1.25 RDH	5	4
78	72060893	CAP SCR .38-16X 3.25 HH GR5 Z	5	2
79	72062000	NUT .25-20 HEX	5	3
80	72062093	NUT # 8-32 HEX ZINC	5	2
81	72062103	NUT .38-16 HEX NYLOCK	5	2
82	72062104	NUT .25-20 HEX NYLOCK	5	6
83	72062106	NUT 10-24 HEX NYLOCK	5	7
84	72063001	WASHER .25 FLAT	5	18
85	72063003	WASHER .38 FLAT	5	12
86	72063010	WASHER 1.00 FLAT	5	1
87	72063035	MACHY BUSHING 1.25X10 GA NR	5	2
88	72063049	WASHER .25 LOCK	5	2
89	72063051	WASHER .38 LOCK	5	8
90	72063053	WASHER .50 LOCK	5	15
91	72063132	WASHER .50 FLAT ASTM F436	5	17
92	72063271	WASHER # 8 W FLAT ANSI B27.2Z	5	2
93	72066129	RETAINING RING-EXT 1.25 HD	5	2
94	72601938	BOLT-EYE # 8-32X 1.125	5	1
95	72601949	CAP SCR .50-13X 1.25 SH ZC	5	2
96	72602085	BOLT-SHLDR .38X 1.25 (5/16 thds) SS	5	1
97	72661543	PIN-QUICK 316-10QP	5	2
98	72661694	BRIDLE RING 1-1/12ID X 1/4-20	5	3
99	51395121	HOSE-AA .13 X 13.50 OAL (2-2)	5	1
100	72532355	ADPTR-M STR/M JIC 6 6	6	1
101	72532356	ADPTR-M STR/M JIC 8 6	6	6
102	72532357	ADPTR-M STR/M JIC 6 8	6	1
103	72532358	ADPTR-M STR/M JIC 8 8	6	4
104	72532359	ADPTR-M STR/M JIC 10 8	6	2
105	72532361	ADPTR-M STR/M JIC 8 10	6	1
106	72532670	ELBOW-M JIC/45/F JIC 8 8	6	1
107	72533583	ELBOW-M STR/45/M JIC 8 6	6	1
108	72533613	ADPTR-M STR/M JIC 10 6	6	2
109	51724528	CYL-4.0/2.2 25.06S 45.52CC C		1
110	72661641	PIN-QUICK 5/16-2-1/16 ZINC YELLOW	5	1
111	93725208	KIT-CABLE GUIDE 7500/8600S		1
112	60144215	COVER-VLV BANK S3 6000-14000 12GA 2016		1
113	60140839	BRKT-MAST VB 6000-8600S		2
114	72060004	CAP SCR .25-20X 1.00 HH GR5 Z	5	8
115	73734472	VALVE BANK-MOD.INLET (PW) 12VDC IP69		A/R
116	77441537	HARNESS-S3 TELE S-PROP VALVE BANK CERVIS		A/R

117	60140913	PIN-TYPE NN 1.50X 7.25		1
118	71415015	KEEPER-PIN .50		3
119	60140914	PIN-TYPE NN 1.50X10.75		2
120	60030486	SPACER-A2B BRACKET		2
121	60140934	GUIDE - CABLE WEAR (NARROW)	111	1
122	60140937	BRKT - CABLE GUIDE (NARROW)	111	1
123	72060006	CAP SCR .25-20X 1.50 HH GR5 Z	111	2
124	72062104	NUT .25-20 HEX NYLOCK	111	2
125	72534898	O-RING EXTENDER 08-08		1
126	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
127	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12		1
128	72053767	ELBOW-M STR/90/M JIC 12 12		1
129	72533623	ELBOW-M STR/90/M JIC 8 12		1
130	60143075	BRKT-MAST VB 6000-8600S FP		1
131	72532686	PLUG-STR SOC HD STL 8 (.75 THD)	6	1
REV. Z 20160128				

Gear Rotator (71056543) (Primary)



NOTES (*)

- 1 INSTALL SEALS #3 AND #16 WITH LOCTITE PLASTIC GASKET ON O.D. LUBRICATE SEAL SURFACE BEFORE ASSEMBLY.
- 2 PACK CAVITIES WITH EPO GREASE
- 3 SHIM TO OBTAIN 0.000 / 0.004 END PLAY ON WORM SHAFT.
- 4 LUBRICATE O-RING #2 WITH WORM GEAR OIL BEFORE INSTALLING.
- 5 INSTALL BOLTS #10 WITH LOCTITE #242.
- 6 SET BACKLASH BETWEEN WORM AND ROTATION BEARING 0.005 - 0.012.
- 7 TIGHTEN 5/8-11 UNC GRADE 8 MOUNTING BOLTS AS FOLLOWS: TIGHTEN PROGRESSIVELY AND AT 180° INTERVALS. FIRST INTERVAL AT 70 FT-LB. SECOND INTERVAL AT 140 FT-LB. THIRD INTERVAL AT 210 FT-LB. TIGHTEN BOLTS IN ORDER SHOWN IN DIAMONDS (<>). DO NOT USE LOCTITE ON MOUNTING BOLTS.
- 8 ITEM #20 SHIPS LOOSE. INSTALL ITEM #21 FOR SHIPPING.

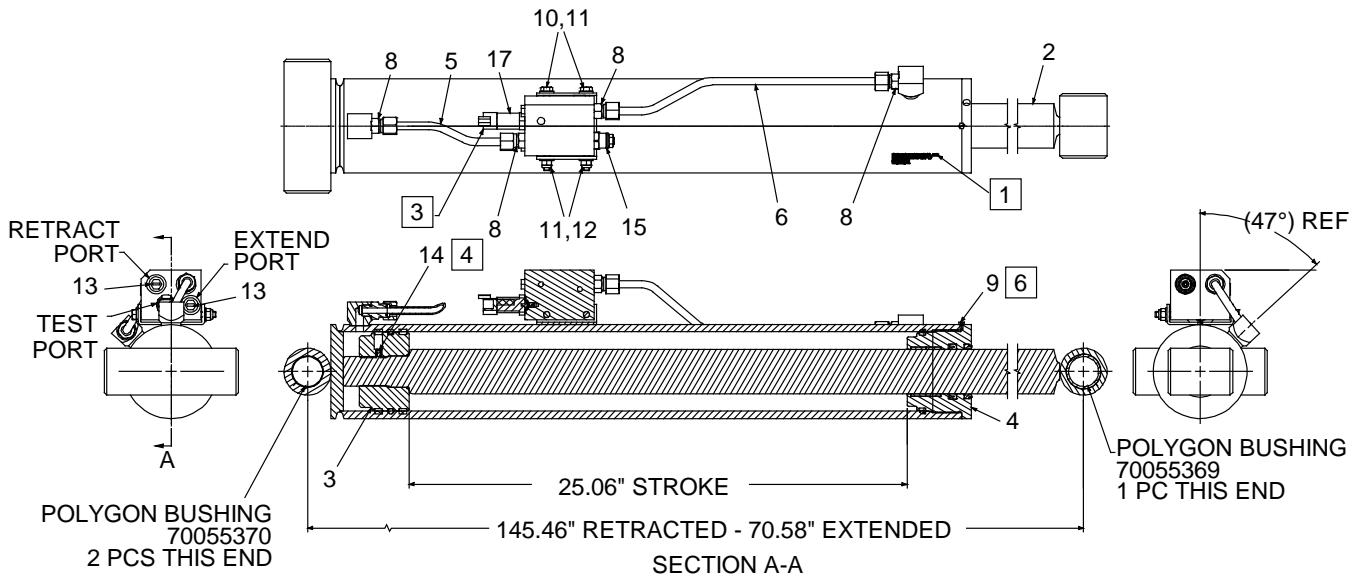
WARNING

ANY TIME THE GEAR-BEARING BOLTS HAVE BEEN REMOVED, THEY MUST BE REPLACED WITH NEW BOLTS OF IDENTICAL GRADE AND SIZE. FAILURE TO REPLACE GEAR-BEARING BOLTS MAY RESULT IN BOLT FAILURE DUE TO METAL FATIGUE, CAUSING DEATH OR SERIOUS INJURY.

71056543 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	70056527	ROTATION BEARING		1
2.	70395074	O-RING		1
3.	70395076	SEAL		2
4.	70145786	SNAP RING		1
5.	70055271	BEARING-CONE		2
6.	70055281	BEARING-CUP		2
7.	70145501	BEARING RETAINER		1
8.	70056550	WORM		1
9.	70145787	HOUSING		1
10.	72601734	CAP SCREW	3/8-16X1-1/4 SH	4
11.	72601733	CAP SCREW	1/2-13X1-1/4 FERRY	4
12.	73145506	SHIM	.005" THICK	2
13.	73145505	SHIM	.015" THICK	2
14.	73145504	SHIM	.030" THICK	2
15.	76395075	GASKET		1
16.	72533604	PLUG		1
17.	72661504	PIN	3/8X1	2
18.	72601751	CAP SCREW	5/8-11X2-3/4 HHGR8	23
19.	72063219	WASHER	5/8 FLAT HARD	23
20.	72533605	ZERK		2
21.	72533439	VENT PLUG		2

REV. B 20031029

Lower Cylinder (51724528)



NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 SEE PART NUMBER AND REVISION STAMPED ON CYLINDER
- 2 REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED TO REDUCE DOWNTIME.
- 3 APPLY "LUBRIPLATE" NO 630-2 MEDIUM-HEAVY, MULTI-PRO LUBRICANT TO ALL PISTON, HEAD GLAND AND HOLDING VALVE SEALS.
- 4 TORQUE ROD BEARING TO 500-600 FT-LB (69-83 KG-M); PISTON TO 200-300 FT-LB (27.6-41.5 KG-M); AND PISTON SET SCREW TO 12-18 FT-LB (1.7-2.5 KG-M).
- 5 USE BLUE LOCTITE ON PISTON.
- 6 TO LOCK THE HEAD GLAND ON THE CYLINDER, DRILL A #26 HOLE 0.25-0.30" (6-7.6 mm) DEEP IN A SEAM BETWEEN THE ROD BEARING AND THE CASE. INSTALL LOCKING SCREW (ITEM #9, SELF-TAPPING #8-32 X .25" SET SCREW) IN THE HOLE UNTIL SEATED.

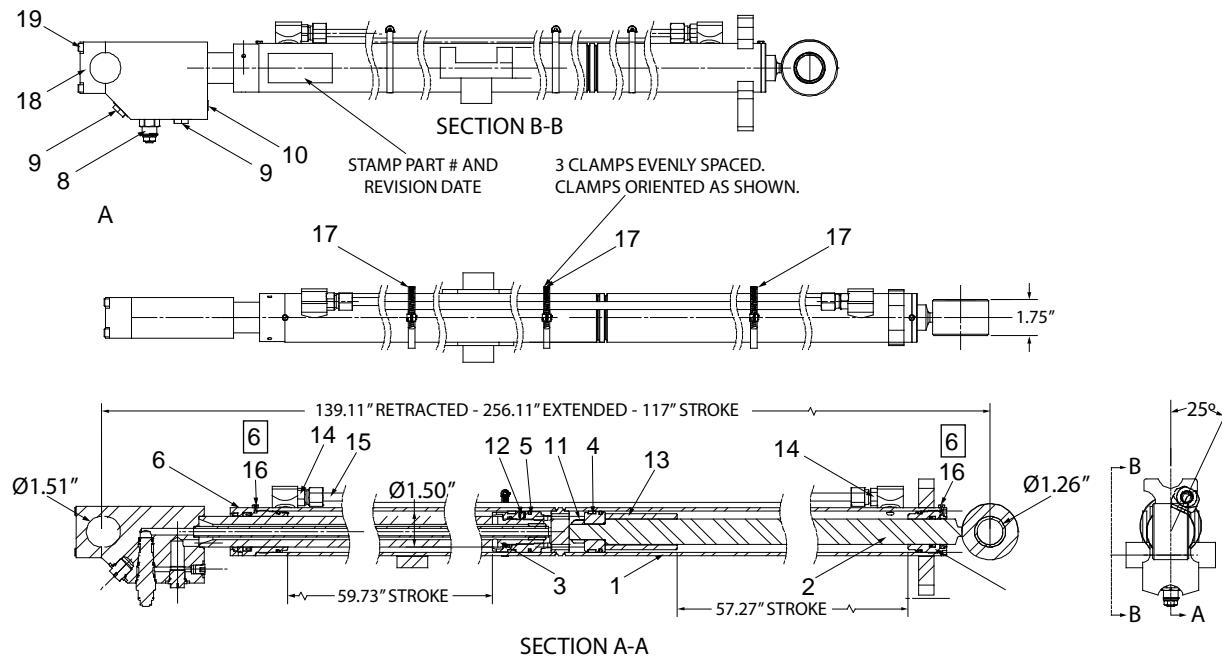
51724528 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	52724531	CASE		1
2.		ROD ASSEMBLY		1
3.		PISTON ASSEMBLY		1
4.		ROD BEARING ASSEMBLY		1
5.	71414693	TRANSFER TUBE		1
6.	71414694	TRANSFER TUBE		1
7.	73540444	VALVE BLOCK ASSEMBLY		1
8.		FITTING ADAPTER		4
9.		LOCKING SCREW		1
10.	72060037	BOLT	5/16"-18 X 4.00 HEX GRADE 5	2

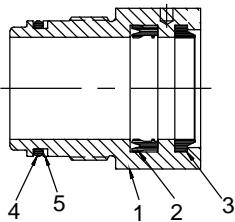
51724528 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
11.	72063002	WASHER	.31 FLAT	4
12.	72062109	NUT	.31-18 NYLOC	2
13.		PLASTIC PLUG	SAE O-RING #6	3
14.		SET SCREW	.250-20 UNC NYLON TIP	1
15.	73540490	COUNTERBALANCE VALVE	3300 PSI	1
16.		PLUG	STEEL SAE O-RING #4	1
17.	77041866	PRESSURE TRANSDUCER		1
REF	94399356	SEAL KIT		1
REV A 20120712				

Extension Cylinder (51723174)

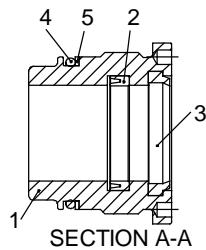


ROD SEALS FOR 71414676 ROD



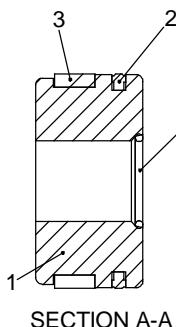
ITEM NO.	DESCRIPTION	QTY.
1	ROD BEARING	1
2	ROD SEAL	1
3	WIPER	1
4	O-RING	1
5	BACKUP RING	1

ROD SEALS FOR 71414677 ROD



ITEM NO.	DESCRIPTION	QTY.
1	ROD BEARING	1
2	ROD SEAL	1
3	WIPER	1
4	O-RING	1
5	BACKUP RING	1

PISTON SEALS FOR 71414674 PISTON

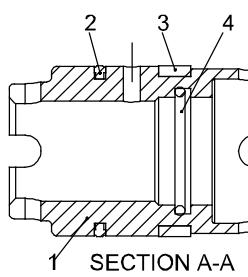


SECTION A-A

PISTON SEALS

ITEM NO.	DESCRIPTION	QTY.
1	PISTON	1
2	PISTON SEAL	1
3	WEAR RING (PISTON)	1
4	O-RING	1

PISTON SEALS FOR 71414675 PISTON



SECTION A-A

PISTON SEALS

ITEM NO.	DESCRIPTION	QTY.
1	PISTON	1
2	PISTON SEAL	1
3	WEAR RING (PISTON)	1
4	O-RING	1

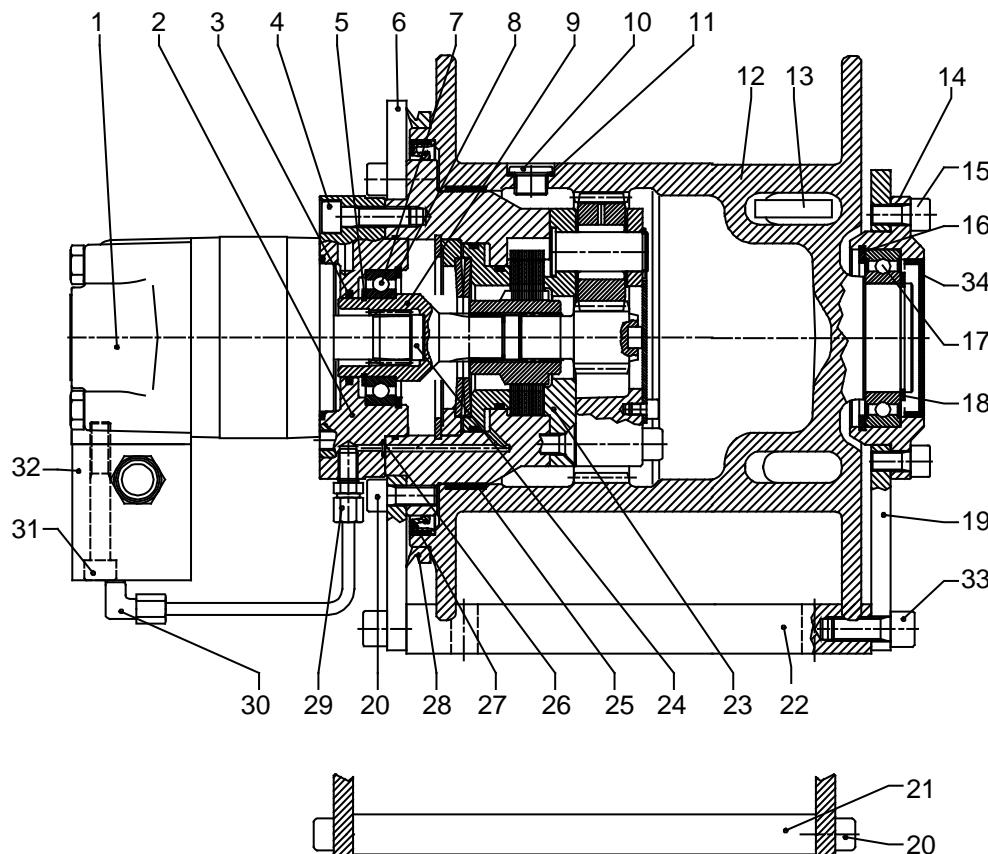
PART OF SEAL KIT # 94399126, WHICH INCLUDES ALL SEAL AND PISTON SEALS.
SEALS CANNOT BE PURCHASED INDIVIDUALLY.

NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 SEE PART NUMBER AND REVISION STAMPED ON CYLINDER.
- 2 REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED TO REDUCE DOWNTIME.
- 3 APPLY "LUBRIPLATE" NO. 630-2 MEDIUM HEAVY, MULTI-PURPOSE LUBRICANT, TO ALL PISTON, HEAD GLAND, AND HOLDING VALVE SEALS, NYLON LOCK RING, CAST IRON PISTON RINGS, AND ROD STINGER THREADS.
- 4 TORQUE PISTON TO 200 FT-LB (27.6 KG-M). TORQUE PISTON NUT (3/4-16 UNF) PER SPEC.
- 5 USE BLUE LOCTITE ON PISTON.
- 6 TO LOCK THE HEAD GLAND ON THE CYLINDER, DRILL A #26 HOLE 0.25-0.30" DEEP IN SEAMS BETWEEN THE ROD BEARING AND THE CASE. INSTALL LOCKING SCREWS (ITEM #16, SELF-TAPPING #8-32X0.25" SET SCREWS) IN THE HOLES UNTIL SEATED.

51723174 PARTS LIST			
ITEM	PART NO.	DESCRIPTION	QTY
1	52723910	CASE	1
2	52723911	ROD ASSEMBLY	1
3	52723912	ROD ASSEMBLY	1
4	71414674	PISTON ASSEMBLY	1
5	71414675	PISTON ASSEMBLY 1	1
6	71414676	ROD BEARING ASSEMBLY	1
7	71414677	ROD BEARING ASSEMBLY 1	1
8	73540565	VALVE-CBAL 15 GPM 45:1 T11-A @ 4000PSIZ	1
9		PLASTIC PLUG SAE O-RING #8	2
10		STEEL SAE O-RING PLUG #4	1
11		SELF-LOCKING NUT .75-16 UNF	1
12		.250 - 20 UNC NYLON TIP SET SCREW	1
13	73050198	STROKE LIMITER	1
14		FITTING ADAPTER	2
15	71414678	TRANSFER TUBE	1
16		LOCKING SCREW	2
17		#48 HOSE CLAMP	3
18	71416609	ROD END CAP	1
19	71416610	.25 - 20 X 1.50" LG SHCS GR8	4
REF	94399126	SEAL KIT	1
REV. C 20151223			

Winch, Planetary (71570968)

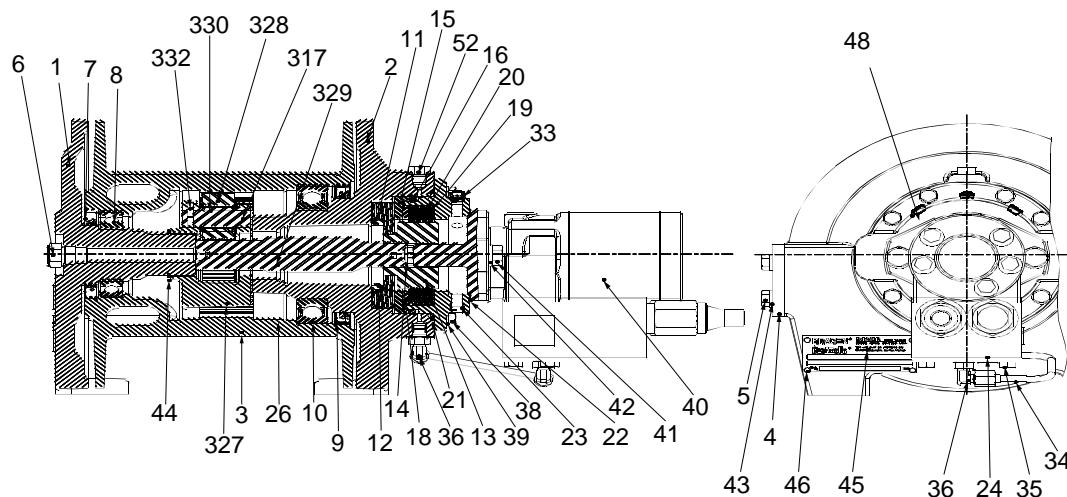


71570968 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS
1.	73540453	Hydraulic motor	1
	Part of 94399223	Seal for motor	2REF
2.	025110129	Motor mounting flange	1
3.	Part of 94399223	Seal	1
4.		Hex socket head cap screw	4
5.	421000600	Seeger	1
6.		Engine support	1
7.	400023000	Ball bearing	1
8.	72661702	Retaining ring	1
9.		Sleeve	1
10.		Plug	2
11.	Part of 94399223	Copper washer	2

71570968 PARTS LIST			
ITEM	PART #	DESCRIPTION	DETAILS
12.		Winch drum	1
13.	70580214	Wedge, winch cable	1
13.		Thimble	1
14.		Bearing support	1
15.		Hex socked head cap screw	6
16.		Seeger	1
17.		Ball bearing	1
18.		Seeger	1
19.		Hub side support	1
20.		1 Hex socked head cap screw	1
20.		1 Hex socked head cap screw	1
21.		Cross member	2
22.		Fastening surface plate	2
23.	71056673	Brake unit (Reduction gear unit).	1
24.		Insert	1
25.		Guide	1
26.	Part of 94399223	O-ring joint	1
27.	Part of 94399223	Oil retainer seal	1
28.	Part of 94399223	V-Ring	1
29.		Straight pipe fitting (Conical)	1
30.		90° Connection (Conical)	1
31.		Hex socked head cap screw	2
32.	73540308	Valve	1
	Part of 94399223	Seal for valve	1REF
33.		Hex socked head cap screw	8
34.		Plug	1
	94399223	SEAL KIT	REF

Winch, Planetary (70570761) (Effective 01/04/16)



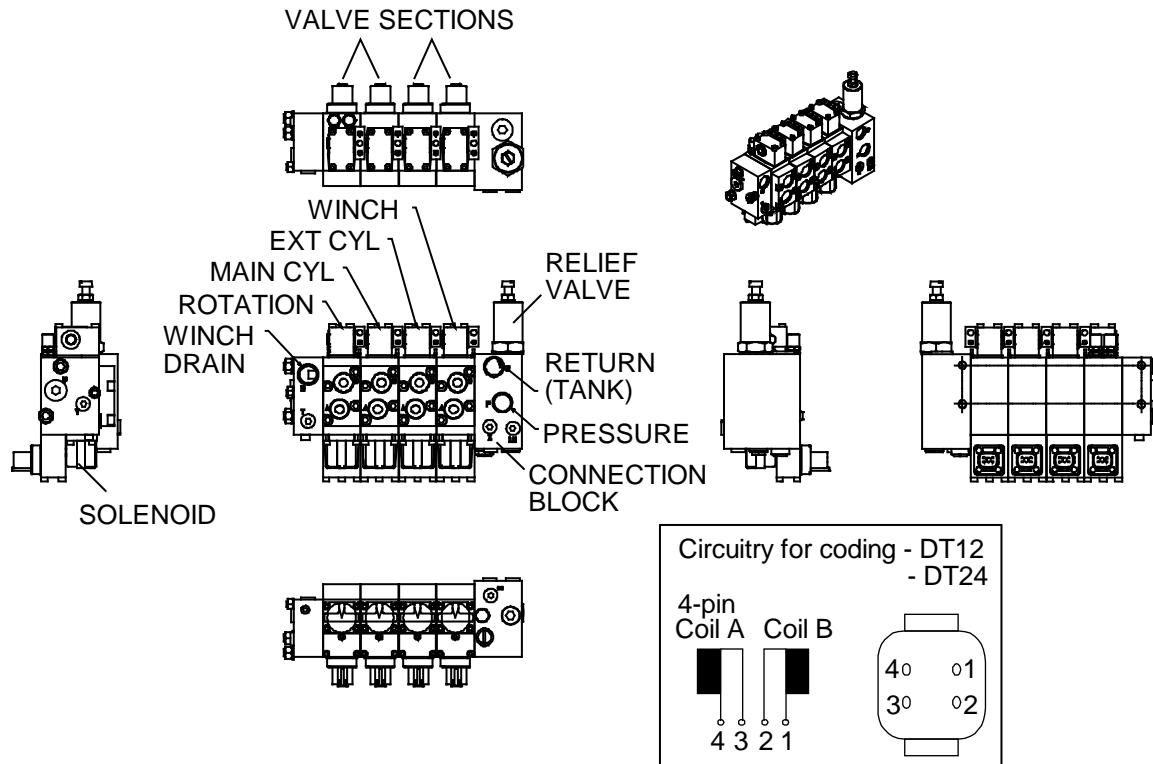
70570761 PARTS LIST (Effective 01/04/16)

PART NO	DESCRIPTION	QTY	ITEM
	BRAKE SUB-ASSY BG4B-01H *	1	000
	PRIMARY PLANET CARRIER ASSY	1	000
71411150	CABLE WEDGE	1	000
	BEARING SUPPORT ENDPLATE	1	001
	BRAKE CYLINDER ENDPLATE	1	002
	CABLE DRUM	1	003
	TIEPLATE	2	004
	CAPSCREW	8	005
	SIGHT GAUGE	1	006
	OIL SEAL	1	007
71411143	BALL BEARING	1	008
	OIL SEAL	1	009
71411144	BALL BEARING	1	010
71411146	SPRING	12	011
	SPRING LOCATOR	1	012
	BRAKE COUPLING	1	013
	SNAP RING	1	014
	SPRING PLATE	1	015
	U-CUP SEAL	1	016
	THRUST RACE	6	017
	BRAKE PLATE SPACER	1	018
71411147	FRICITION DISC	8	019

	BRAKE DISC	9	020
	O-RING	1	021
	GASKET - MOTOR 2B A MOUNT	1	022
	MOTOR ADAPTER	1	023
	VALVE,BRAKE	1	024
	WASHER *	4	025
	SUN GEAR	1	026
	PRIMARY PLANET CARRIER	1	027
	PLANET GEAR	3	028
	PRIMARY PLANET GEAR SHAFT	3	029
71411145	ROLLER BEARING	3	030
	SHIPPING PLUG	2	031
	ROLLPIN	3	032
	RELIEF VALVE 7.5-15 PSI	1	033
	HOSE ASSY	1	034
	CAPSCREW *	4	035
	ELBOW FITTING	1	036
	ELBOW FITTING	1	036
	CAPSCREW *	8	038
	LOCKWASHER *	8	039
73511057	HYD MOTOR	1	040
	CAPSCREW *	2	041
	LOCKWASHER *	2	042
	LOCKWASHER	8	043
	21-B3-1 SNAP RING	1	044
	NAMEPLATE, GH5, PD5 WINCHES	1	045
	DRIVE SCREW	4	046
	PIPE PLUG	3	048
	HEX HEAD PLUG (-4SAE)	1	052

REV. X 20160128

Valvebank (73734727)

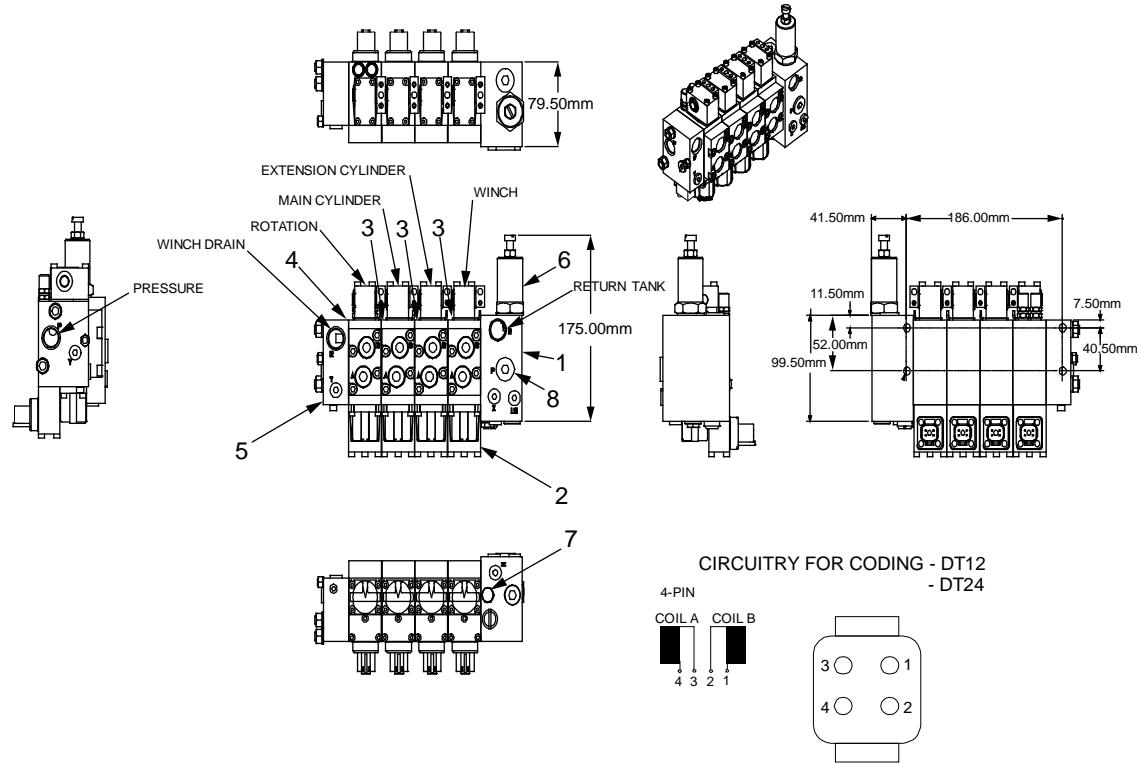


73734727 PARTS LIST

PART #	DESCRIPTION	QUANTITY
94399213	SEAL KIT, CONNECTION BLOCK	1
94399214	SEAL KIT, SEALS BETWEEN SECTIONS	1
77041898	SOLENOID, 12V	4
77040598	12V COIL FOR 77041898 SOLENOID	

WAS 73734635 THROUGH S/N 6000121004.

Valve Bank (73734727)(Effective 01/04/16)

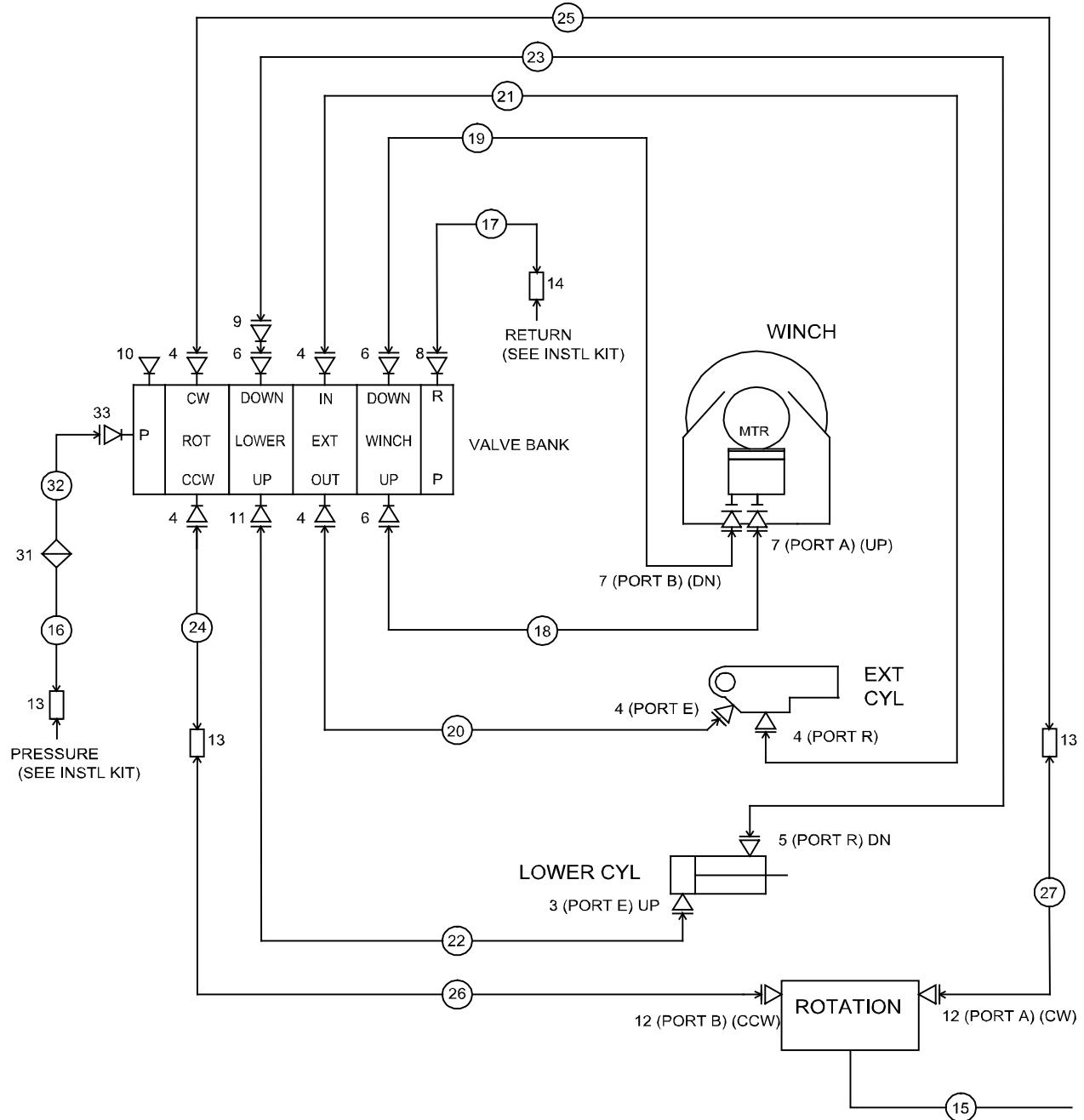


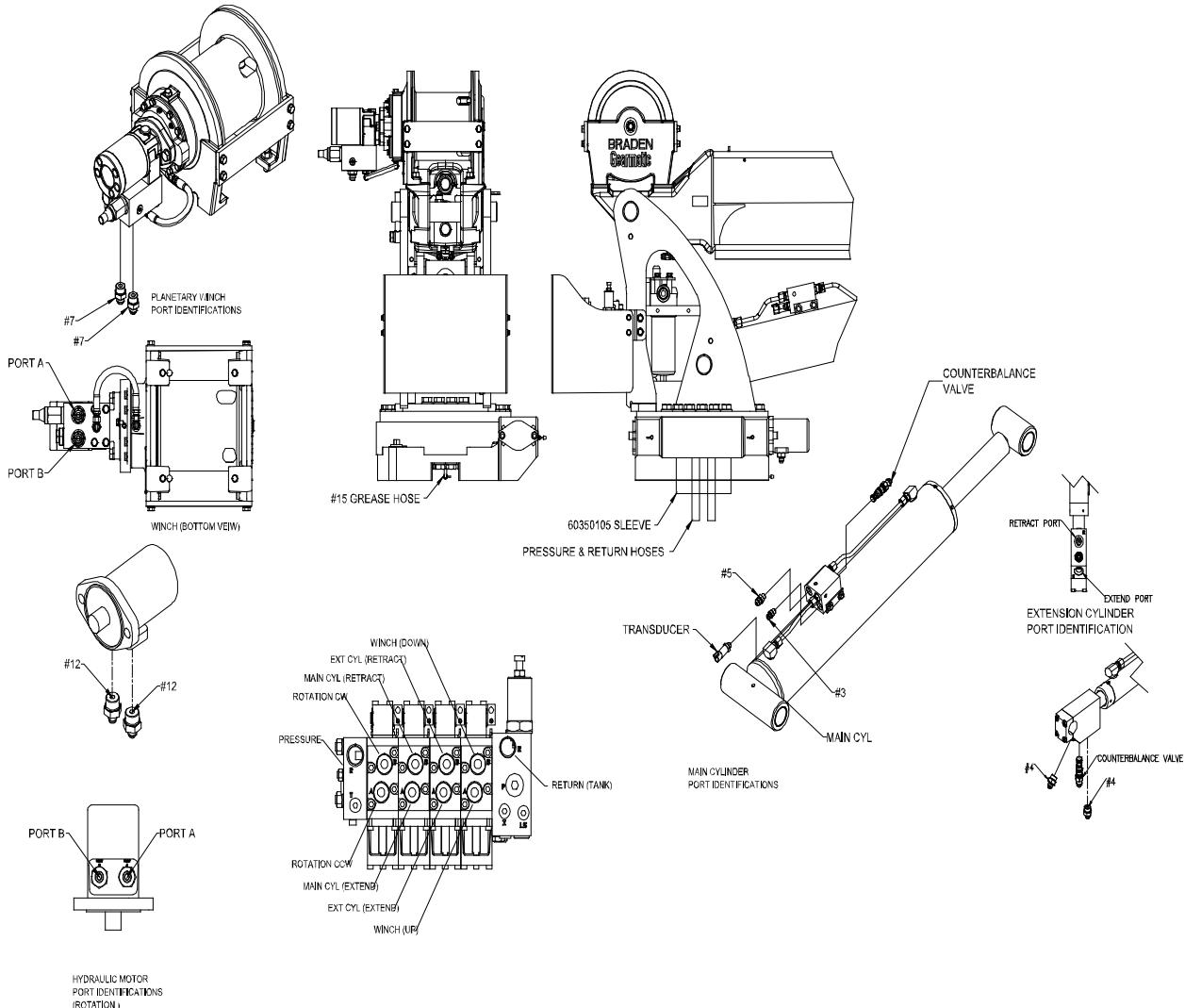
73734727 PARTS LIST			
ITEM	PART NO	DESCRIPTION	QTY
1	73540534	SECTION-VALVE BANK W PR VALVE	1
2	77040598	COIL-12V DEUTSCH FOR 73734635	1
3	73540535	SECTION-VALVE BANK 10 GPM	1
4	73540536	SECTION-VALVE BANK 10 GPM ADJ	1
5	73540537	SECTION-VALVE BANK WO PR VALVE	1
6	73540538	VALVE-PRESSURE RELIEF	1
7	73734728	SCREW-DAMPENING VALVE G	1
8	72532686	PLUG-STR HOL HEX STL 8 (.75 THD)	1

REV. X 20160128

Hydraulic Schematic (99906025)

(Effective 01/04/16)



99906025-2**NOTES:**

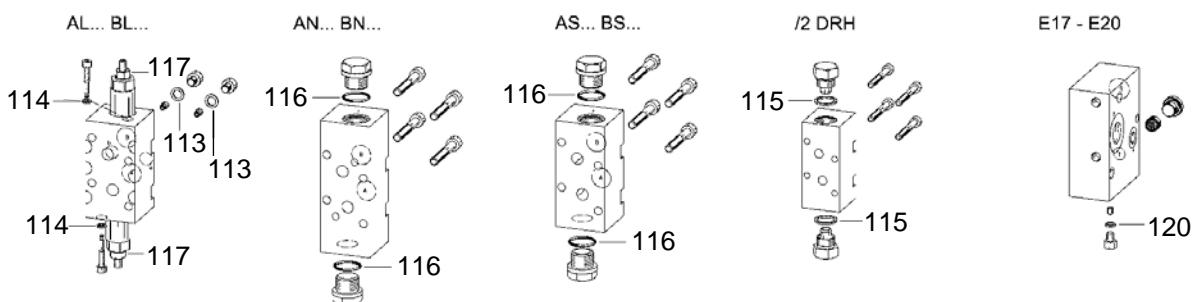
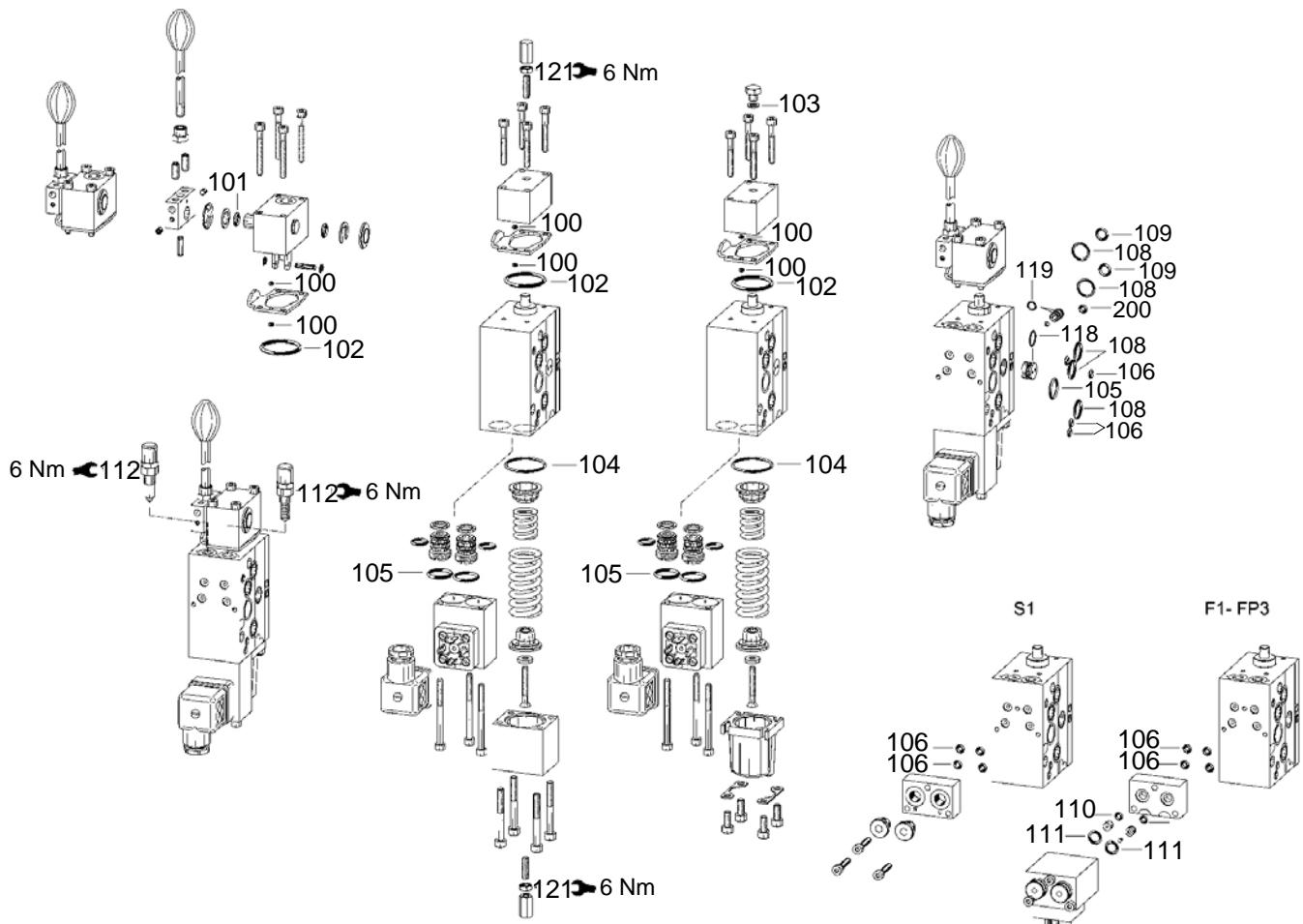
1. INSTALL SLEEVE #28 60350141, ON EXTENSION CYLINDER, LOWER CYLINDER, AND ROTATION HOSES.
2. INSTALL SLEEVE #29 60350142, ON WINCH, PRESSURE AND RETURN VALVE BANK HOSES.
3. INSTALL SLEEV #30 60350105, ON PRESSURE AND RETURN HOSES, AND ROTATION HOSES ROUTED THROUGH MAST.

99906025 COMPLETE PARTS LIST (EFFECTIVE 01/04/16)

ITEM	PART NO	DESCRIPTION	KIT NO.	QTY
1	91726822	KIT-HYD BG4 SERIES III FP 7500/8600S		1
2	73734727	VALVE BANK-4SEC 4R 10GPM TELE PROP 12V G		1 REF
3	72532355	ADPTR-M STR/M JIC 6 6	1	1
4	72532356	ADPTR-M STR/M JIC 8 6	1	6
5	72532357	ADPTR-M STR/M JIC 6 8	1	1
6	72532358	ADPTR-M STR/M JIC 8 8	1	4
7	72532359	ADPTR-M STR/M JIC 10 8	1	2
8	72532361	ADPTR-M STR/M JIC 8 10	1	1
9	72532670	ELBOW-M JIC/45/F JIC 8 8	1	1
10	72532686	PLUG-STR SOC HD STL 8 (.75 THD)	1	1

11	72533583	ELBOW-M STR/45/M JIC 8 6	1	1
12	72533613	ADPTR-M STR/M JIC 10 6	1	2
13	72533648	SWIVEL-M JIC/90/M JIC 8 8	1	3
14	72534412	SWIVEL-M JIC/90/M JIC 10 10	1	1
15	51395121	HOSE-AA .13 X 13.50 (2-2) 100R17	1	1
16	51399890	HOSE-FJJ .50 X 40.00 (8-8) 100R17	1	1
17	51397080	HOSE-FJ .62 X 30.00 (10-10) 100R17	1	1
18	51397081	HOSE-FZ .50 X 31.50 (8-8) 100R17	1	1
19	51397082	HOSE-FJ .50 X 31.00 (8-8) 100R17	1	1
20	51396810	HOSE-JZ .38 X 21.50 (6-6) 100R17 180	1	1
21	51396811	HOSE-JJ .38 X 23.00 (6-6) 100R17 180	1	1
22	51399077	HOSE-FJ .38 X 30.00 (6-6) 100R17	1	1
23	51399078	HOSE-FZ .50 X 32.00 (8-8) 100R17	1	1
24	51399072	HOSE-FJ .38 X 22.50 (8-6) 100R17	1	1
25	51399073	HOSE-FZ .38 X 25.00 (8-6) 100R17	1	1
26	51399228	HOSE-FJ .38 X 18.00 (8-6) 100R17	1	1
27	51399229	HOSE-FJ .38 X 22.00 (8-6) 100R17	1	1
28	60350141	SLEEVE-HOSE NHS-159 X 12 CUT & SEALED	1	3
29	60350142	SLEEVE-HOSE NHS-254 X 15 CUT & SEALED	1	2
30	60350105	HOSE SLEEVE-WRAP AROUND 4in DIA		1
31	73052156	FILTER-PRES 4000PSI 25GPM 10MIC -12		1
32	71415690	TUBE ASM-PRESSURE FILTER S3FP SMALL MAST		1
33	72534898	O-RING EXTENDER 08-08		1
REV. X 20160128				

Seal Kit for 73734727 (94399214)



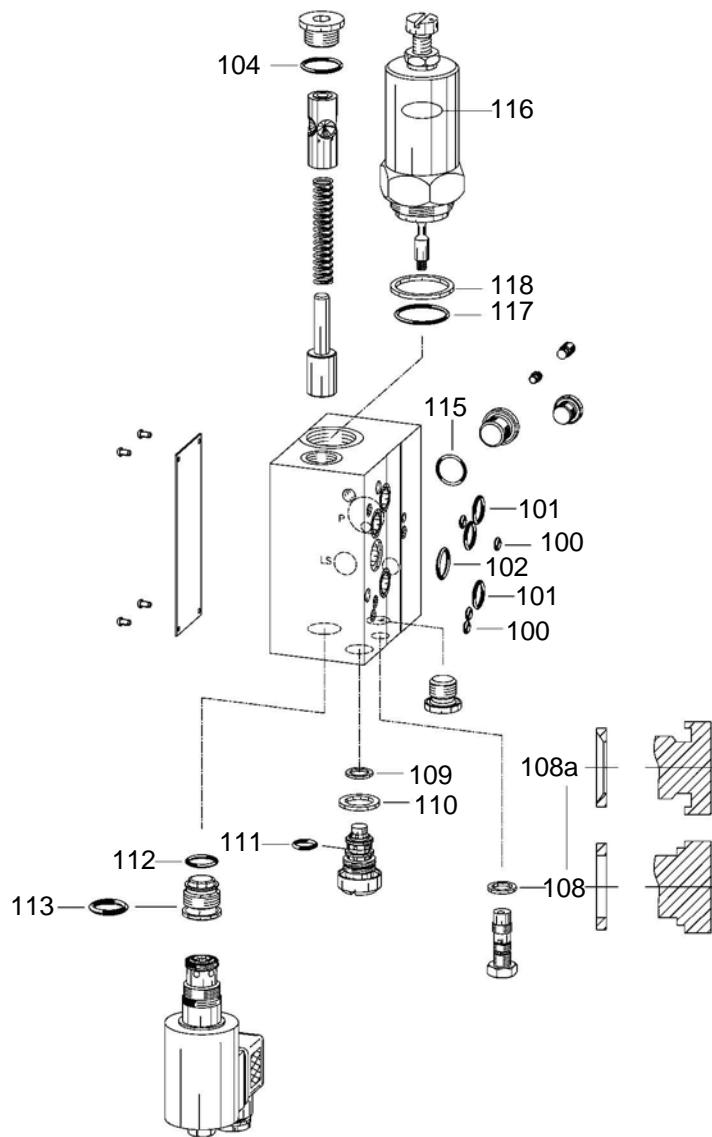
94399214 SEAL KIT PARTS

ITEM	DESCRIPTION	DETAILS	QUANTITY
100.	O-RING	1.78 x 1.02 mm	2
101.	O-RING	6.75 x 1.75 mm P5001	2
102.	O-RING	25.07 x 2.62 mm Z24	1

94399214 SEAL KIT PARTS			
ITEM	DESCRIPTION	DETAILS	QUANTITY
103.	USIT-RING	ST 37 STANDARD	1
104.	O-RING	26.7 x 1.78 mm Z24	1
105.	O-RING	12.42 x 1.78 mm P5001	3
106.	O-RING	2.90 x 1.78 mm Z24	8
108.	O-RING	10.82 x 1.78mm P5001	6
109.	O-RING	6.07 x 1.78 mm P5001	4
110.	O-RING	3 x 1.5 mm	2
111.	O-RING	6.75 x 1.78 mm P5001	2
112.	SEAL NUT		2
113.	USIT-RING	ST 37 STANDARD	2
114.	COPPER RING	4 x 8 x 1 mm	2
115.	SOFT IRON SEAL RING		2
116.	O-RING	17.17 x 1.78 mm P5001	2
117.	SEAL-LOCK COLLAR NUT	M6 12 x 1	2
118.	O-RING	10.00 x 1.00 mm P5001	1
119.	O-RING	5.00 x 1.00 mm P5001	2
120.	COPPER RING	5 x 7.5 x 1 mm	1
121.	SEAL NUT		2

NOTE: These seals are all part of 94399214, and cannot be purchased individually.

Connection Block Seal Kit for 73734727 (94399213)

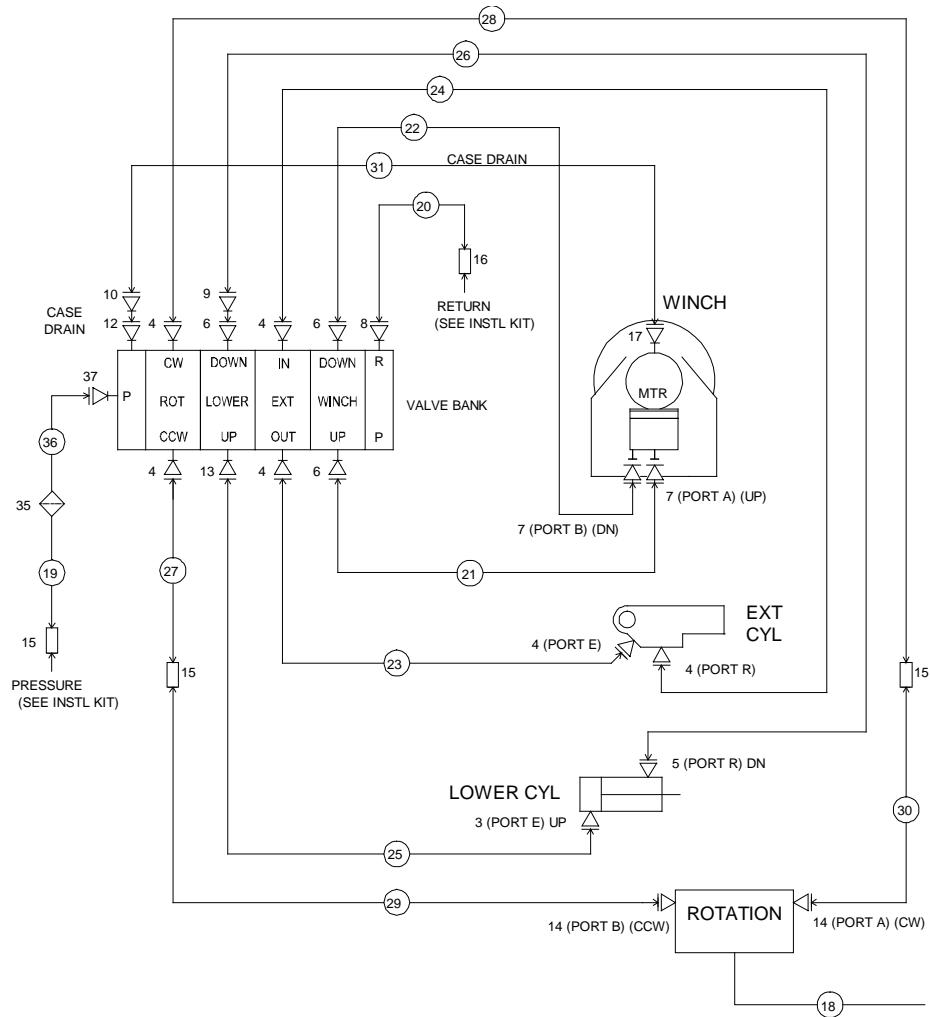


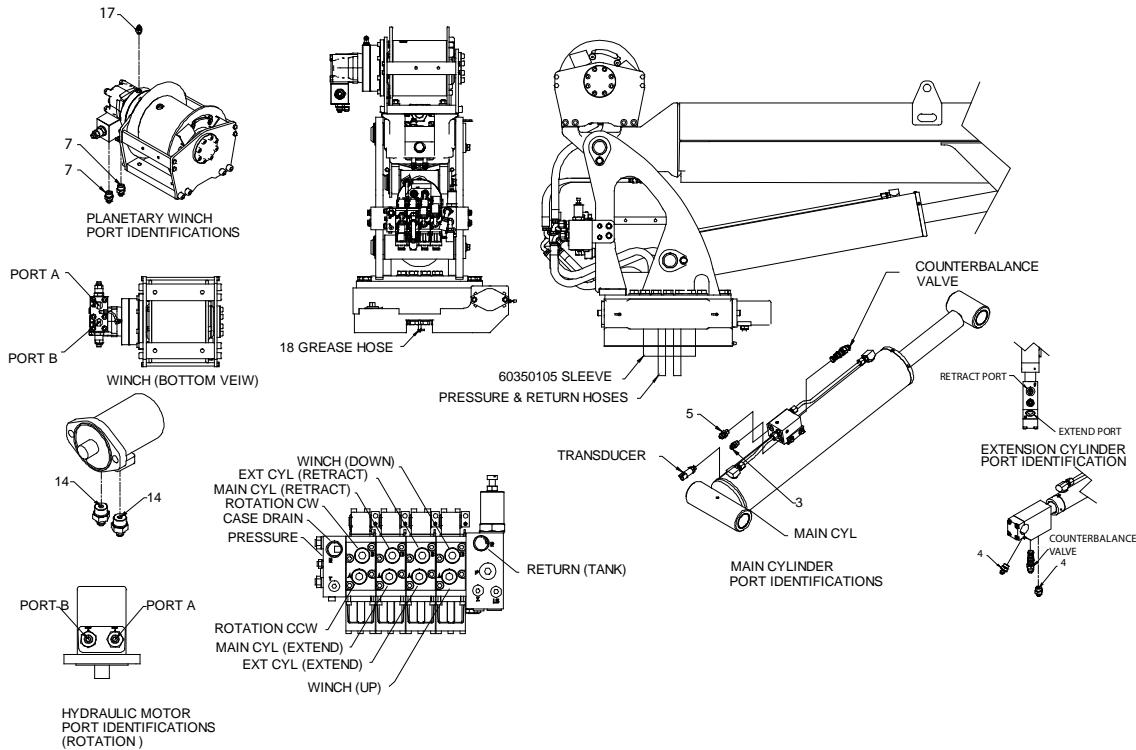
CONNECTION BLOCK SEAL KIT FOR 73734727 (94399213)			
ITEM	DESCRIPTION	DETAILS	QUANTITY
100.	O-RING	2.90x1.78 Z24	4
101.	O-RING	10.82x1.78 P5001	3
102.	O-RING	12.42x1.78 P5001	1
104.	O-RING	17.17 x 1.78 P 5001	1
108.	COPPER RING	SHAPE A DIN 7603 10X14X1.5-Cu	1
108a.	FITTING SEAL		1
109.	SEAL RING	8.3X11X1.15 PTFE 7625 109/1	1
110.	SEAL	1/4" DRV	1
111.	O-RING	9X1.5 NBR 90 SH	1

CONNECTION BLOCK SEAL KIT FOR 73734727 (94399213)			
ITEM	DESCRIPTION	DETAILS	QUANTITY
112.	O-RING	12.42x1.78 P5001	1
113.	O-RING	14.03x2.61 P5001 94 Sh A	1
115.	SEAL	G 1/4" DRV 100116-NB 650 NBR	2
116.	O-RING	15X2 HNBR 90 SH RED SPOT	1
117.	O-RING	23.52X1.78 HNBR 90 SH RED SPOT	1
118.	SEAL RING	27X32X2 ST	1

NOTE: These seals are all part of 94399213, and cannot be purchased individually.

Hydraulic Schematic (99905061) To: 01/03/16





NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 INSTALL SLEEVE #32, 60350141, ON EXTENSION CYLINDER, LOWER CYLINDER AND ROTATION HOSES.
- 2 INSTALL SLEEVE #33, 60350142, ON WINCH AND PRESSURE & RETURN VALVEBANK HOSES.
- 3 INSTALL SLEEVE #34, 60350105, ON PRESSURE & RETURN HOSES AND ROTATION HOSES ROUTED THROUGH MAST.

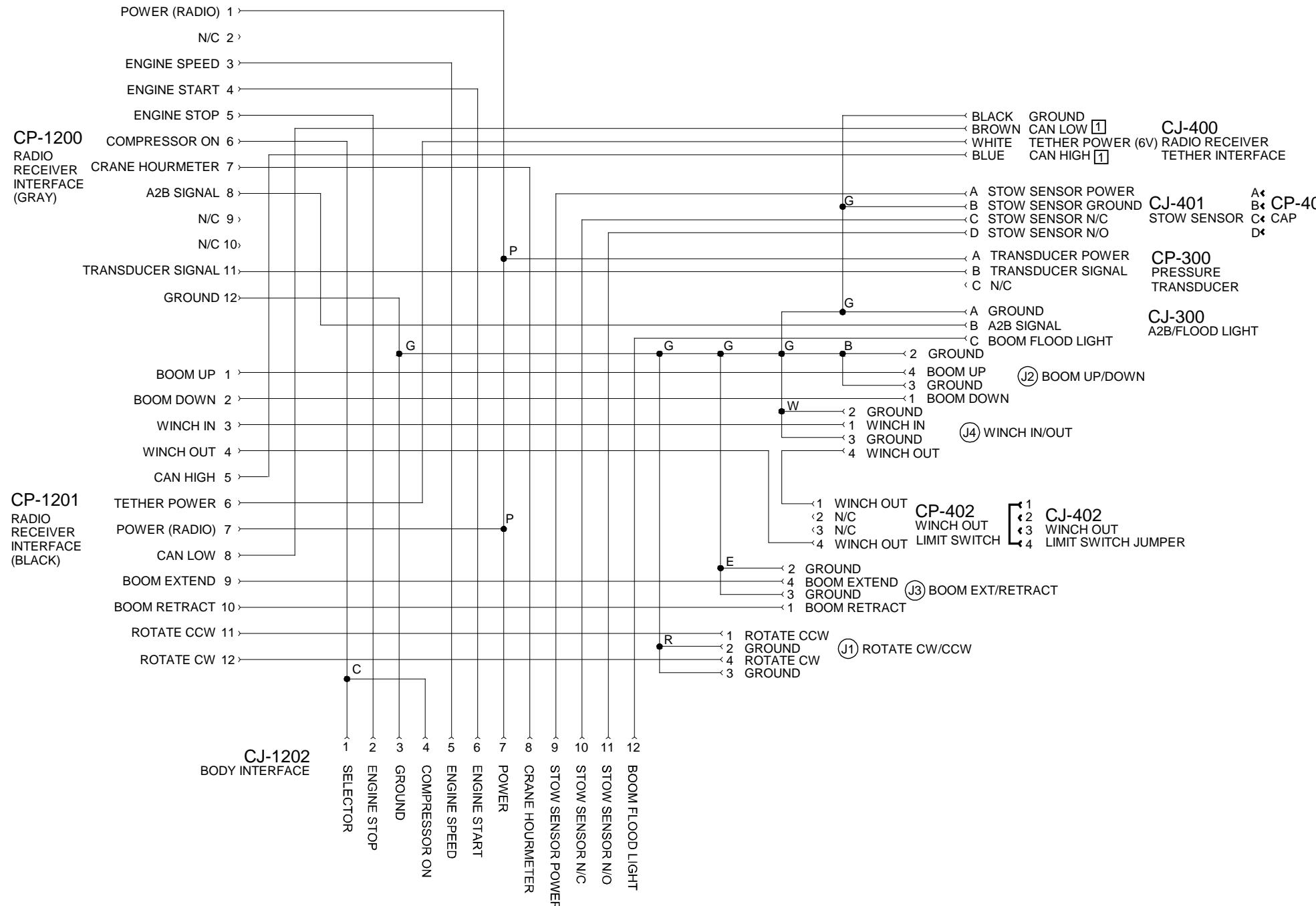
99905061 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QTY
1.	91723656	HYDRAULIC KIT - 7500/8600 SHORT			1
2.	73734727	VALVEBANK (WAS 73734635)	10 GPM PROPORTIONAL		1 REF
3.	72532355	ADAPTER	M STR/M JIC 6 6	#1	1
4.	72532356	ADAPTER	M STR/M JIC 8 6	#1	6
5.	72532357	ADAPTER	M STR/M JIC 6 8	#1	1
6.	72532358	ADAPTER	M STR/M JIC 8 8	#1	3
7.	72532359	ADAPTER	M STR/M J IC 10 8	#1	2
8.	72532361	ADAPTER	M STR/M J IC 8 10	#1	1
9.	72532670	ELBOW	M JIC/45/F JIC 8 8	#1	1
10.	72532690	ELBOW	M JIC/90/F JIC SW 4 4	#1	1
11.				#1	2
12.	72532792	ADAPTER	M STR/M JIC 8 4	#1	1
13.	72533583	ELBOW	M STR/45/M JIC 8 6	#1	1
14.	72533613	ADAPTER	M STR/M J IC 10 6	#1	2
15.	72533648	SWIVEL	M JIC/90/M JIC 8 8	#1	3

99905061 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QTY
16.	72534412	SWIVEL	M JIC/90/M JIC 10 10	#1	1
17.	72533490	ADAPTER	AA .13 X 13.50 (2-2) 100R17	#1	1
18.	51395121	HOSE		#1	1
19.	51399890	HOSE	FJ .50 X 40.00 (8-8) 100R16	#1	1
20.	51397080	HOSE	FJ .62 X 30.00 (10-10) 100R17	#1	1
21.	51397081	HOSE	FZ .50 X 31.50 (8-8) 100R17	#1	1
22.	51397082	HOSE	FJ .50 X 31.00 (8-8) 100R17	#1	1
23.	51396810	HOSE	JZ .38 X 21.50 (6-6) 100R17 180	#1	1
24.	51396811	HOSE	JJ .38 X 23.00 (6-6) 100R17 180	#1	1
25.	51399077	HOSE	FJ .38 X 30.00 (6-6) 100R17	#1	1
26.	51399078	HOSE	FZ .50 X 32.00 (8-8) 100R17	#1	1
27.	51399072	HOSE	FJ .38 X 22.50 (8-6) 100R17	#1	1
28.	51399073	HOSE	FZ .38 X 25.00 (8-6) 100R17	#1	1
29.	51399228	HOSE	FJ .38 X 18.00 (8-6) 100R17	#1	1
30.	51399229	HOSE	FJ .38 X 22.00 (8-6) 100R17	#1	1
31.	51399074	HOSE	FJ .25 X 32.00 (4-4) 100R2	#1	1
32.	60350141	SLEEVE-HOSE	159 X 12 CUT & SEALED	#1	3
33.	60350142	SLEEVE-HOSE	254 X 15 CUT & SEALED	#1	2
34.	60350105	SLEEVE-HOSE	WRAP AROUND 4 IN DIA.		1
35.	73052156	FILTERS	PRES 4000PSI 25GPM 10MIC – 12		1
36.	71415690	TUBE	ASM-PRESSURE FILTER 53FP SMALL MAST		1
37.	72534898	O-RING	EXTERDER 08-08		1

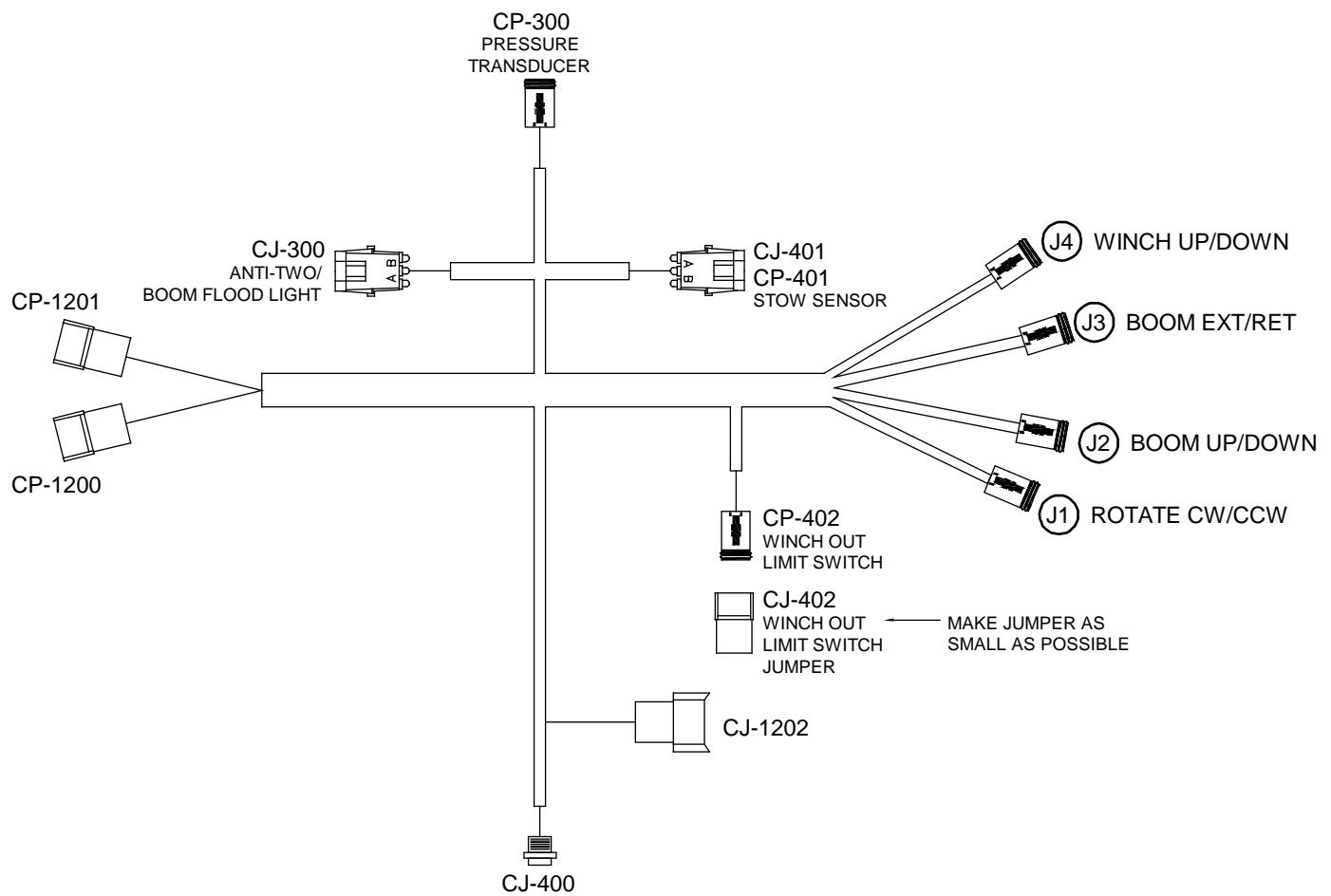
REV. L 20160406

Radio Remote Harness (77441481)



NOTES:

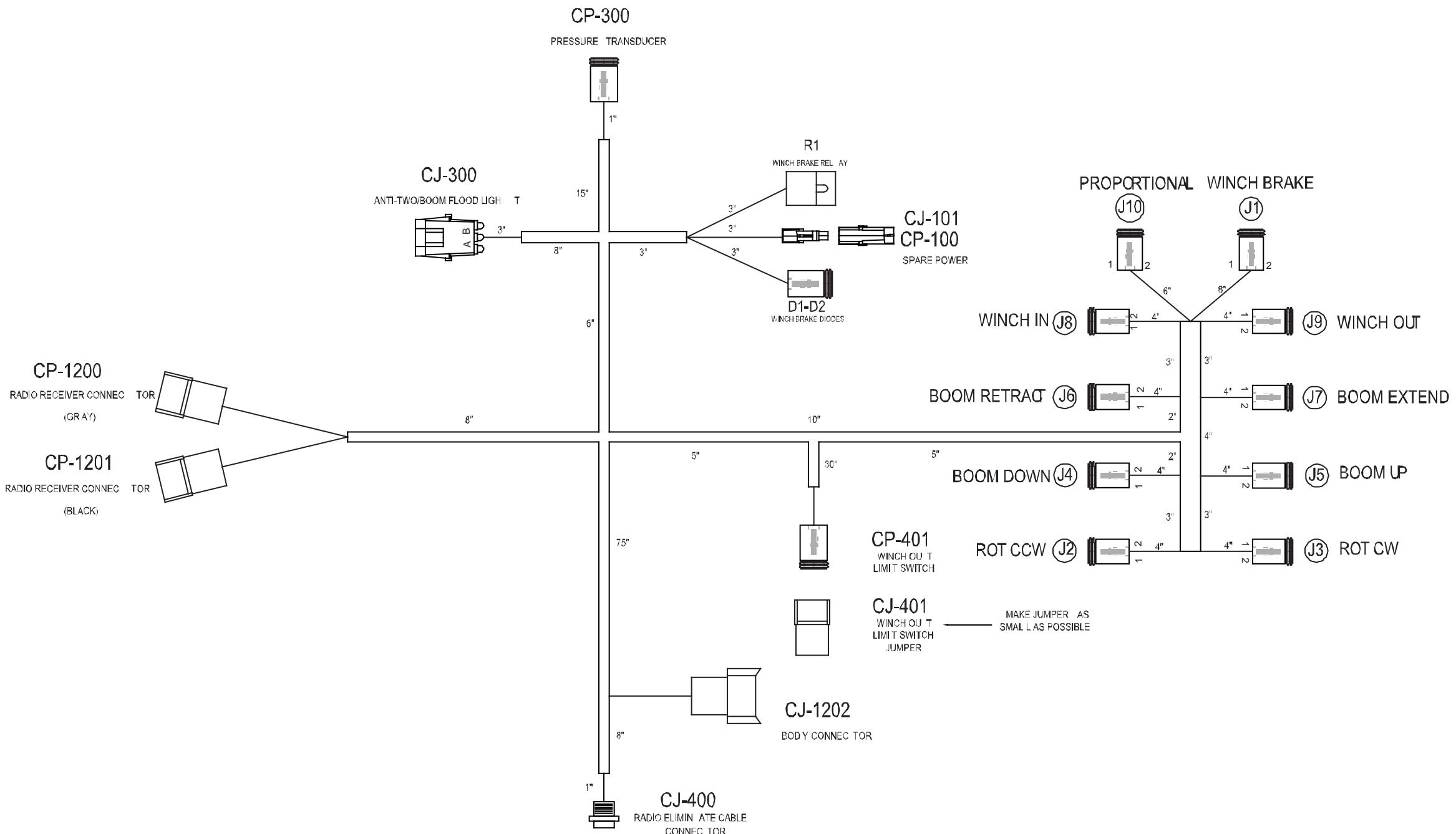
- 1 USE SHIELDED, TWISTED PAIR FOR CAN LOW, CAN HIGH BETWEEN CP-1201 AND CJ-400.



REV B 20111028

REPLACED 77441426.

Remote Harness – Single Proportional (77441537)



Remote Harness – Single Proportional (77441537)

LOCATOR CODE:	CP-300	DEUTSCH:	DT06-3S
TERM:	0462-201-16141	WEDGE:	W3S
CAVITY	COLOR	GA.	PRINT LABEL
A	WHT	16	TRANS PWR
B	WHT	16	TRANS SIG
C	-	-	TO

LOCATOR CODE:	CJ-300	PACKARD:	12010717
TERM:	12124582	SEAL:	12015323/12010293
CAVITY	COLOR	GA.	PRINT LABEL
A	WHT	16	GROUND
B	WHT	16	A2B SIG
C	WHT	14	BOOM FLDT

LOCATOR CODE:	CJ-400	BRAD/HARRIS:	8R5A00A18A120
		Cap:	8001 2TIE TO HARNESS OREQUN
CAVITY	COLOR	GA.	PRINT LABEL
-	BRN	22	CAN LOW
-	WHT	22	TETHER PWR
-	BLU	22	CAN HIGH
-	BLK	22	GROUND

LOCATOR CODE:	CP-401	DEUTSCH:	DT06-4S
TERM:	0462-201-16141	WEDGE:	W4S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	WINCH OUT
2	-	-	TO
3	-	-	TO
4	WHT	18	WINCH OUT

LOCATOR CODE:	CJ-401	DEUTSCH:	DT04-4P
TERM:	0460-202-16141	WEDGE:	W4P
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	WINCH OUT
2	-	-	TO
3	-	-	TO
4	WHT	18	WINCH OUT

LOCATOR CODE:	J1	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	WINCH BRK

LOCATOR CODE:	J2	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	ROT CCW

LOCATOR CODE:	J3	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	ROT CW

LOCATOR CODE:	J4	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	BOOM DN

LOCATOR CODE:	J5	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	BOOM UP

LOCATOR CODE:	J6	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	BOOM RF

LOCATOR CODE:	J7	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	BOOM EXT

LOCATOR CODE:	J8	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	WINCH IN

LOCATOR CODE:	J9	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	GND
2	WHT	18	WINCH OUT

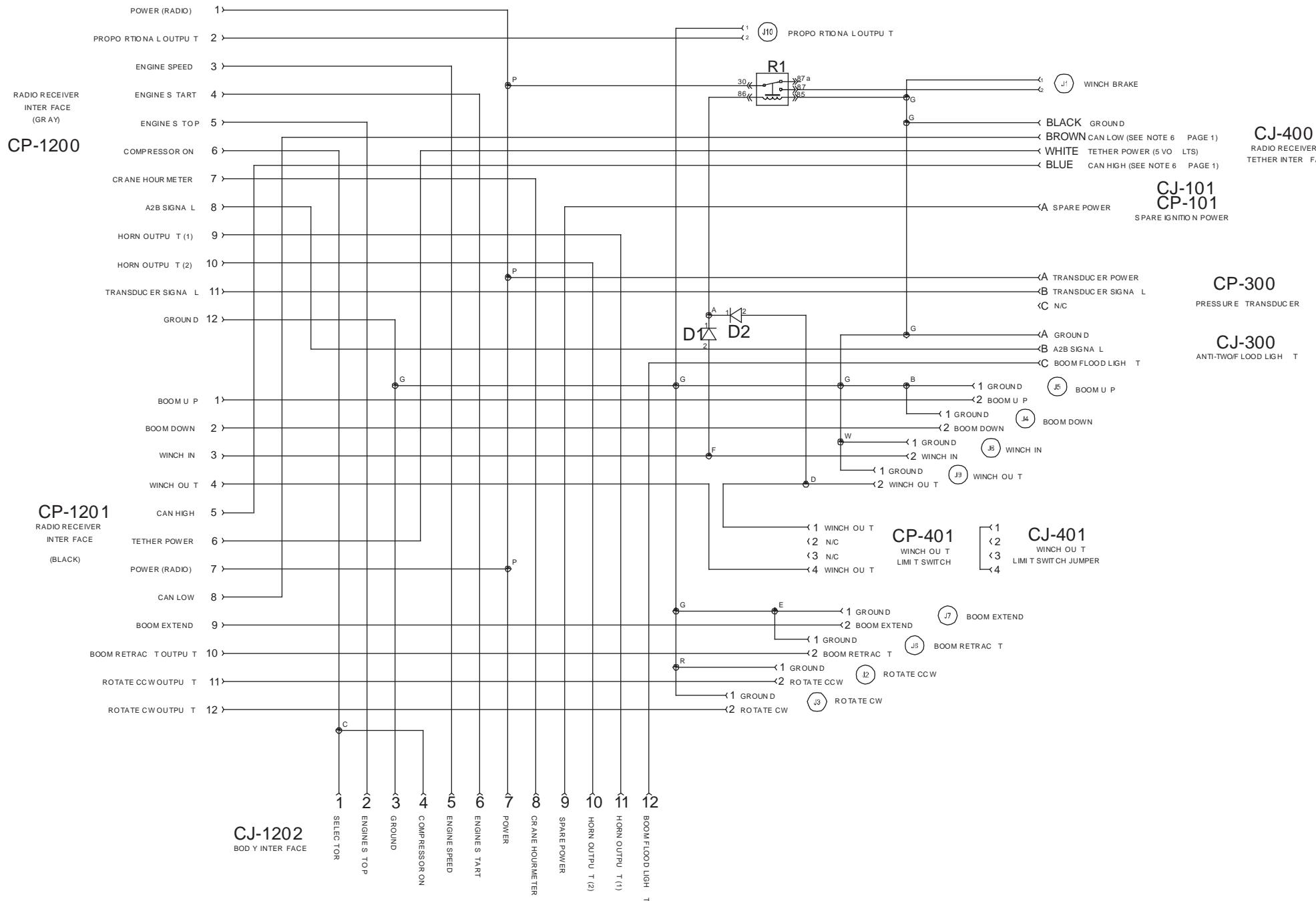
LOCATOR CODE:	J10	DEUTSCH:	DT06-2S
TERM:	0462-201-16141	WEDGE:	W2S
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	WINCH BRK
2	WHT	18	PROP OUT

LOCATOR CODE:	CP-1200	DEUTSCH:	DTM06-1SA
TERM:	1062-20-0122	WEDGE:	WM12S CAVITY PLUG: 0413-204-2005
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	16	PWR
2	WHT	18	PROP OUT

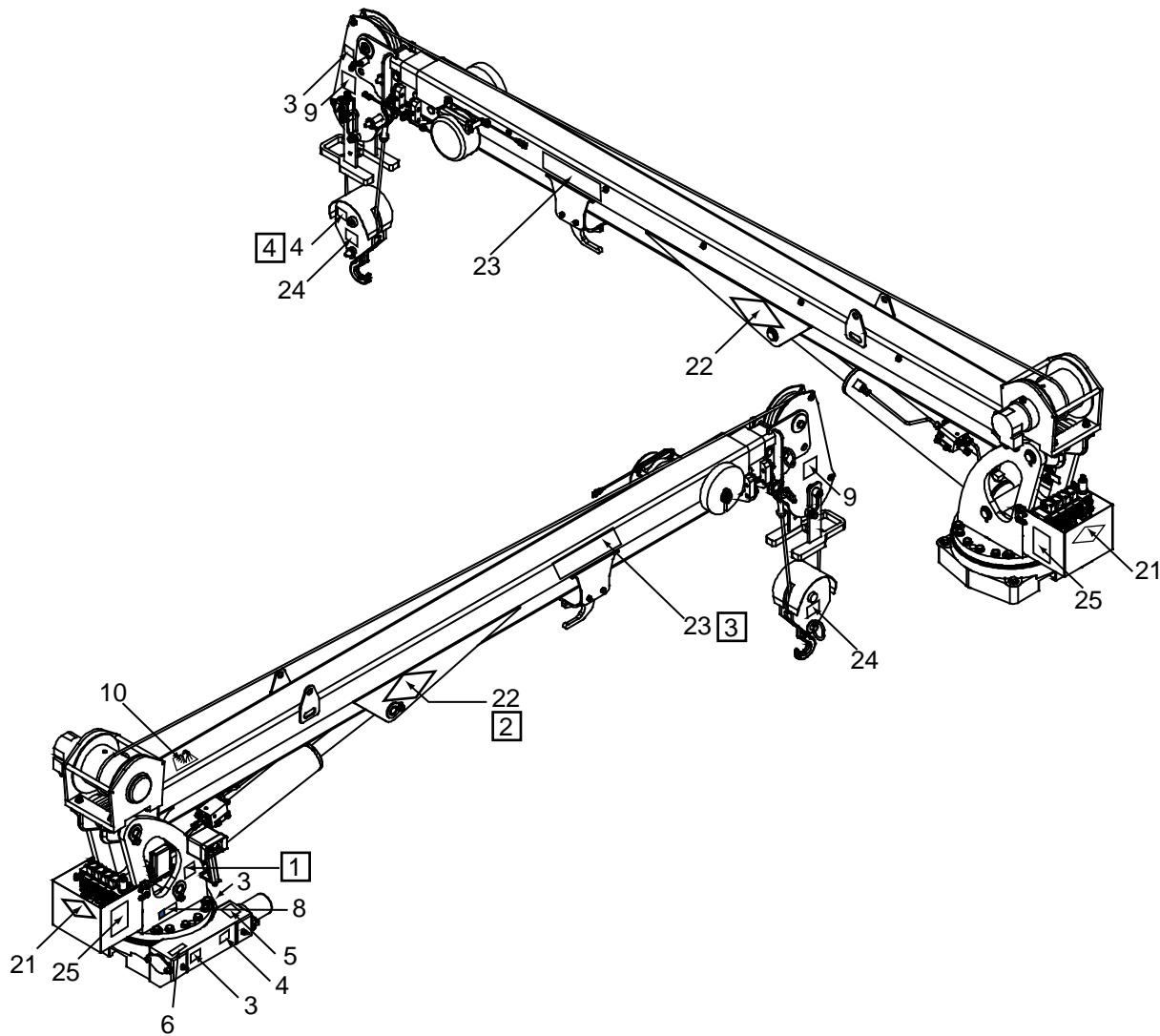
LOCATOR CODE:	CP-1201	DEUTSCH:	DTM06-12SA
TERM:	1062-20-0122	WEDGE:	WM12S CAVITY PLUG: 0413-204-2005
CAVITY	COLOR	GA.	PRINT LABEL
1	WHT	18	BOOM UP
2	WHT	18	BOOM DN

LOCATOR CODE:</

Remote Harness – Single Proportional (77441537)



Decal Placement, 6000 Crane

**NOTES (SEE REFERENCE NUMBER IN BOX):**

- 1 SERIAL NUMBER PLACARD. MOUNT STREETSIDE.
- 2 PLACE BOTTOM POINT OF DIAMOND ABOVE END OF CYLINDER PIN.
- 3 CENTER ABOVE HOOK WELDMENT.
- 4 EITHER SIDE.

DECAL PLACEMENT (IF NOT SHOWN ON CRANE)

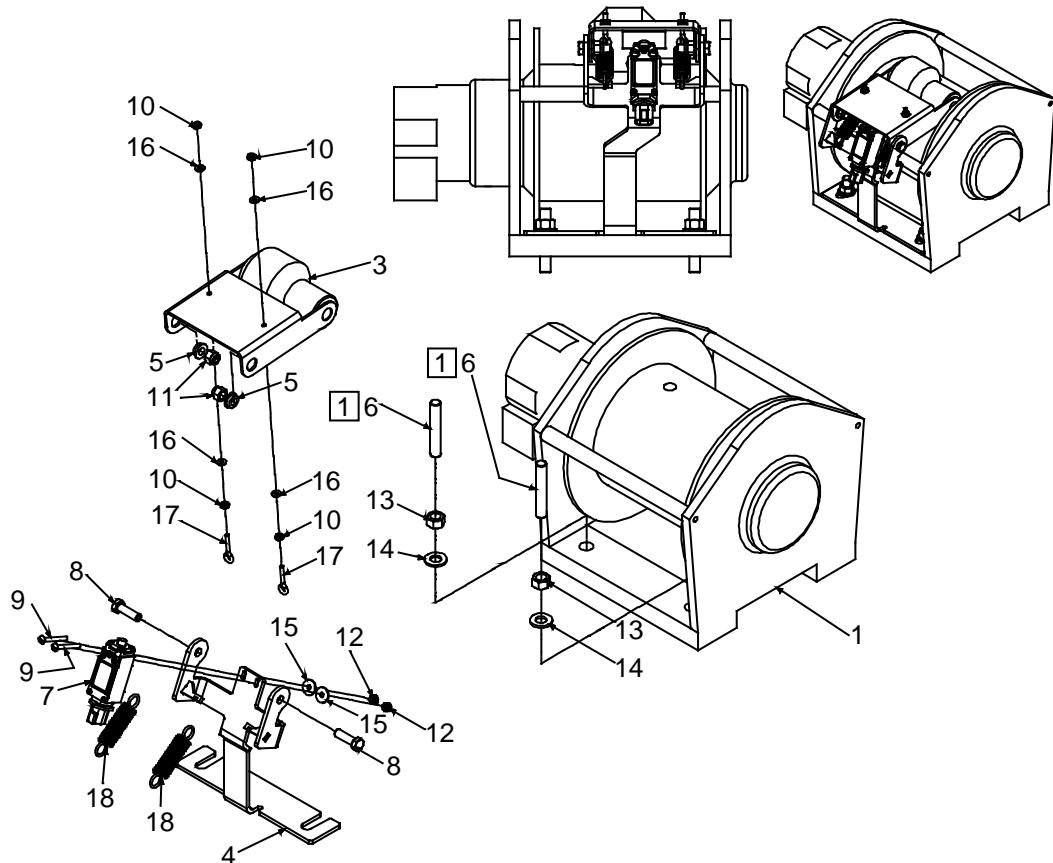
ITEM #	PLACEMENT
12,17,19,20, 25	AT OR NEAR REMOTE HANDLE STORAGE POINT
13	2 ON REAR STABILIZERS, 2 ON SIDEPACK FRONT WALLS
15	AT OR NEAR DRIVELINE
14,16	ON ALL FOUR SIDES OF CARRIER VEHICLE
18	ON TOP OF HYDRAULIC RESERVOIR

DECAL PLACEMENT, 6000 CRANES (REF 99905086)

ITEM	PART #	DESCRIPTION	KIT #	QTY IN KIT	QTY ON CRANE
1.	95724101	DECAL KIT - TELE COMMON SIII			1
2.	95719348	DECAL KIT - BODY COMMON			1
3.	70391612	DECAL-GREASE WEEKLY (LEFT)	1	3	3
4.	70391613	DECAL-GREASE WEEKLY (RIGHT)	1	2	2
5.	70392524	DECAL-ROTATE CRANE WHILE GREAS	1	1	1
6.	70392399	DECAL-LUBRICATE WORM	1	1	1
8.	70395324	DECAL-ASME/ANSI B30.5-TELESCOP	1	1	1
9.	70395670	DECAL-CAUTION DOWN HAUL WT	1	2	2
10.	71399136	DECAL-ANGLE INDICATOR RH	1	1	1
11.	71399137	DECAL-ANGLE INDICATOR LH	1	1	1
12.	70392213	DECAL-CAUTION DONT WASH/WAX	1	1	1
13.	70392864	DECAL-WARNING STABILIZER STAND CLEAR	2	4	4
14.	70392868	DECAL-WARNING CR LOADLINE (TRK)	2	4	4
15.	70392891	DECAL-DANGER DRIVELINE	2	1	1
16.	70394445	DECAL-DANGER ELEC HZD LG TELES	2	4	4
17.	70396613	DECAL-CRANE SAFETY OPER	2	1	1
18.	70394189	DECAL-MOBIL OIL RESERVOIR	2	1	1
19.	71039134	DECAL-CAUTION OIL LEVEL	2	1	1
20.	70392982	DECAL-SERVICE REPAIR	2	1	1
21.	70399195	DECAL-DIAMOND IMT 4 X 8 (REFL)	1	1	1
22.	70398903	DECAL-DIAMOND IMT 5X10 (REFL)	1	2	2
23.	70399339	DECAL-ID 6000			2REF
24.	70399345	DECAL-LOAD BLOCK RATING 4.3 TONS			2REF
25.	70399340	DECAL-CAP CHART 6000			3REF
REV B 20110811					

Option-Winch Roller (99905054)

Kit 51723636



NOTES (SEE REFERENCE NUMBER IN BOX):

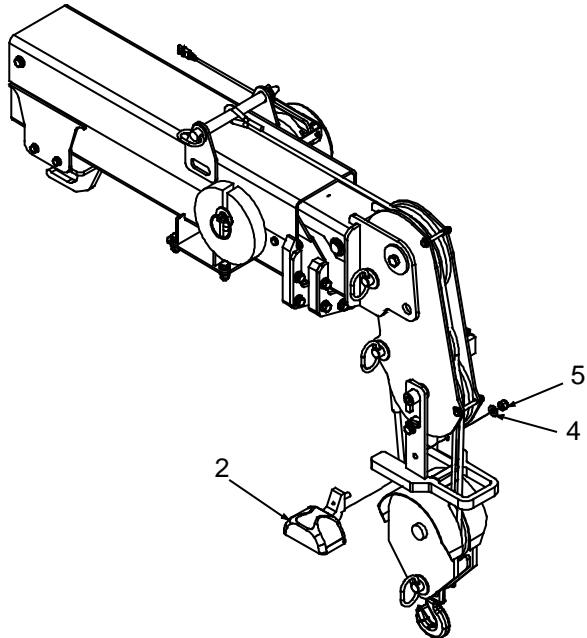
1 APPLY BLUE LOCKTITE WHEN INSTALLING STUDS INTO WINCH MOUNT CASTING.

99905054 PARTS LIST

ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	71570968	WINCH-PLANETARY 4400 LB LINE PULL			REF
2.	91725601	HARDWARE KIT-WINCH ROLLER			1
3.	52723095	ROLLER ASSEMBLY-WINCH SWITCH			1
4.	52723641	WELDMENT-BRACKET			1
5.	60030439	SLEEVE-TYPE C	0.38X 0.62X.25		2
6.	72602058	STUD	0.50-13(20)X3.00 NC GR8STL		2
7.	77041863	SWITCH-LIMIT			1
8.	72060047	CAP SCREW	.38-16X 1.25 HH G R5 Z #2		2

99905054 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
9.	72060641	MACHINE SCREW	#10-24X 1.75 ROUND HEAD	#2	2
10.	72062093	NUT	#8-32 HEX ZINC	#2	4
11.	72062103	NUT	.38-16 HEX NYLOCK	#2	2
12.	72062106	NUT	#10-24 HEX NYLOCK	#2	2
13.	72062108	NUT	.50-20 HEX CENTER LOCKING	#2	2
14.	72063132	WASHER	.50 FLAT ASTM F436	#2	2
15.	72063268	WASHER	#10 W FLAT ANSI B27.2Z	#2	2
16.	72063271	WASHER	# 8 W FLAT ANSI B27.2Z	#2	4
17.	72601938	BOLT-EYE	# 8-32X 1.125	#2	2
18.	71413185	SPRING	0.105WIRE 0.75 OD 2.875 LG	#2	2
REV A 20110513					

Option - Boom Tip Light Kit (99905289)

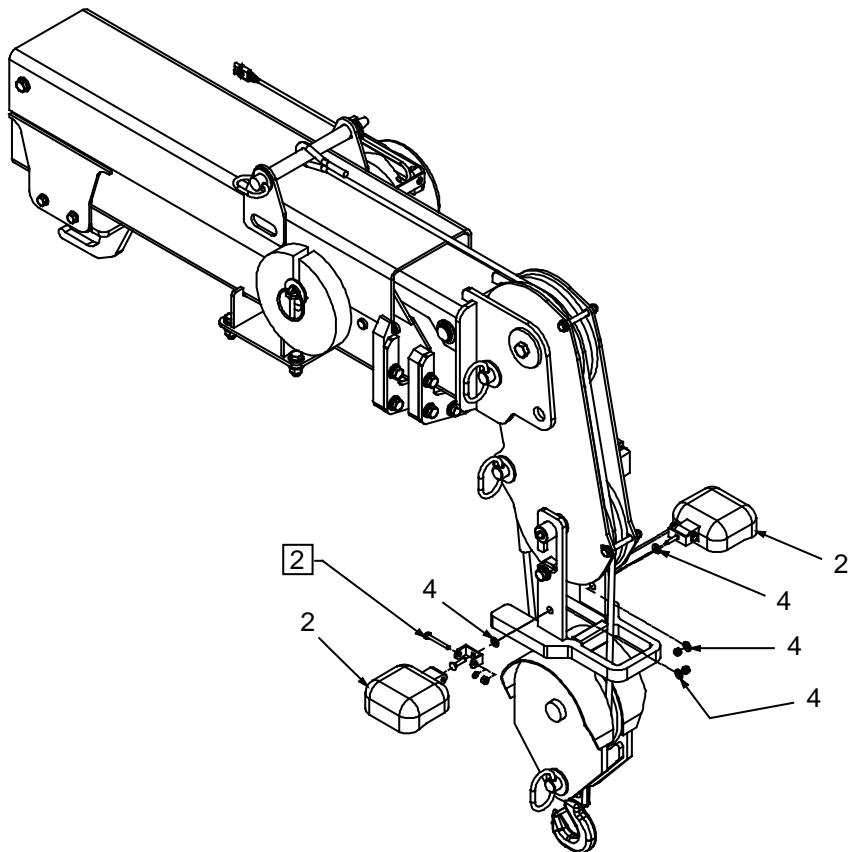


NOTES:

- 1 LIGHT CAN BE PLACED ON EITHER SIDE.
- 2 HARNESS CONNECTS TO CORD REEL AND ANTI-TWO-BLOCK SWITCH.

SINGLE INCANDESCENT LIGHT KIT (12V & 24V) (DWG 99905289)

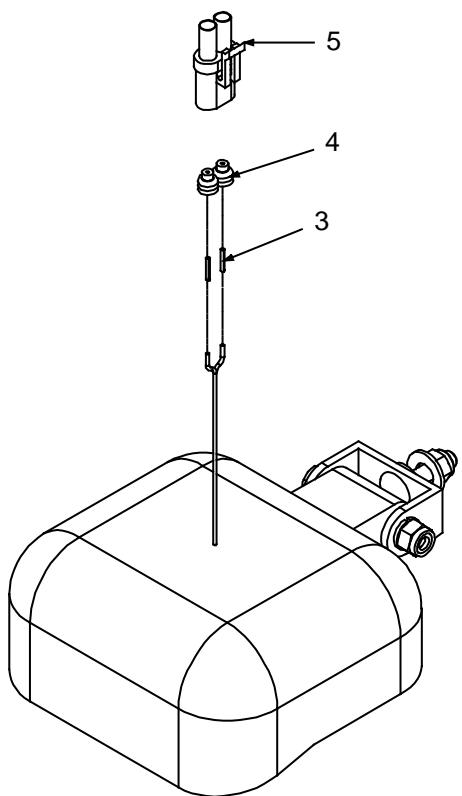
ITEM	PART #	DESCRIPTION	DETAILS	12V KIT (51723830)		24V KIT (51724606)	
				KIT #	QUANTITY	KIT #	QUANTITY
1.	51723830	ELECTRICAL KIT-BOOM SINGLE FLOOD LIGHT (12V)			1		
1A.	51724606	ELECTRICAL KIT-BOOM SINGLE FLOOD LIGHT (24V)					1
2.	77040424	FLOODLIGHT-COMPOSITE WORK LAMP TOP MTG (12V)		#1	1		1
2A.	77441279	FLOODLIGHT-COMPOSITE WORK LAMP TOP MTG (24V)				#1A	1
3.	77441470	HARNESS-BOOM TIP FLOOD LIGHT JUMPER		#1	1	#1A	1
4.	72063005	WASHER	.50 FLAT	#2	1	#2A	1
5.	72062080	NUT	.50-13 HEX NYLOCK	#2	1	#2A	1
REV B 20120413							


NOTES (SEE REFERENCE NUMBER IN BOX):

- 1 LIGHT CAN BE PLACED ON EITHER SIDE.
- 2 HARNESS CONNECTS TO CORD REEL AND ANTI-TWO-BLOCK SWITCH.

DUAL LED LIGHT KIT (KIT 51724116 / DWG 99905289)

ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	51724116	ELECTRICAL KIT-BOOM DUAL LED FLOOD LIGHT			1
2.	77040581	FLOODLIGHT-LED	12-36 VDC	#1	2
3.	77441473	HARNESS-BOOM TIP LED FLOOD LIGHT JUMPER		#1	1
4.	72063002	WASHER	.31 FLAT	#1	4
REV B 20120413					


ELECTRICAL INSTALLATION, LIGHT KITS (99905289)

ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51723830	ELECTRICAL KIT-BOOM SINGLE FLOOD LIGHT		1
1.	51724116	ELECTRICAL KIT-BOOM DUAL LED FLOOD LIGHT		1
1.	51724606	ELECTRICAL KIT-BOOM SINGLE FLOOD LIGHT 24V		1
3.	77045888	TERMINAL	PKRD WP 14-16GA FEM	2
4.	77044927	CABLE SEAL	14GA GRAY	2
5.	77044574	CONNECTOR	PKRD WP 2CAV FEM TOWER	1
REV B 20120416				

CHAPTER 5

General Reference

In This Chapter

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Deficiency / Recommendation / Corrective Action Report.....	122
Thread Torque Charts	124

Inspection Checklist

NOTICE:

The user of this form is responsible for determining that these inspections satisfy all applicable regulatory requirements.

OWNER/COMPANY:	TYPE OF INSPECTION (circle one):			
CONTACT PERSON:	DAILY	MONTHLY	QUARTERLY	ANNUAL
CRANE MAKE & MODEL:	DATE INSPECTED:			
CRANE SERIAL NUMBER:	HOURMETER READING (if applicable):			
UNIT I.D. NUMBER:	INSPECTED BY (print):			
LOCATION OF UNIT:	SIGNATURE OF INSPECTOR:			

TYPE OF INSPECTION**NOTES:**

Daily and monthly inspections are to be performed by a "competent person", who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

Quarterly and annual inspections are to be performed by a "qualified person" who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training and experience, successfully demonstrated the ability to solve/resolve problems relating to the subject matter, the work, or the project.

One hour of normal crane operation assumes 20 complete cycles per hour. If operation exceeds 20 cycles per hour, inspection frequency should be increased accordingly.

Consult Operator / Service Manual for additional inspection items, service bulletins and other information.

Before inspecting and operating crane, crane must be set up away from power lines and leveled with stabilizers fully extended.

DAILY (D): Before each shift of operation, those items designated with a (D) must be inspected.

MONTHLY (M): Monthly inspections or 100 hours of normal operation (which ever comes first) includes all daily inspections plus items designated with an (M). This inspection must be recorded and retained for a minimum of 3 months.

QUARTERLY (Q): Every three to four months or 300 hours of normal operation (which ever comes first) includes all daily and monthly inspection items plus items designated with a (Q). This inspection must be documented, maintained, and retained for a minimum of 12 months, by the employer that conducts the inspection.

ANNUAL (A): Each year or 1200 hours of normal operation (which ever comes first) includes all items on this form which encompasses daily, monthly and quarterly inspections plus those items designated by (A). This inspection must be documented, maintained, and retained for a minimum of 12 months, by the employer that conducts the inspection.

INSPECTION CHECKLIST STATUS KEY:

S = Satisfactory	X = Deficient
R = Recommendation (Should be considered for corrective action)	(NOTE: If a deficiency is found, an immediate determination must be made as to whether the deficiency constitutes a safety hazard and must be corrected prior to operation.)
NA = Not Applicable	

FREQUENCY	ITEM	KEY	INSPECTION DESCRIPTION	STATUS (S,R,X,NA)
D	1	Labels	All load charts, safety & warning labels, and control labels are present and legible.	
D	2	Crane	Check all safety devices for proper operation.	
D	3	Controls	Control mechanisms for proper operation of all functions, leaks and cracks.	
D	4	Station	Control and operator's station for dirt, contamination by lubricants, and foreign material.	
D	5	Hydraulic System	Hydraulic system (hoses, tubes, fittings) for leakage and proper oil level.	
D	6	Hook	Presence and proper operation of hook safety latches.	
D	7	Wire Rope	Inspect for apparent deficiencies per applicable requirements and manufacturer's specifications.	
D	8	Pins	Proper engagement of all connecting pins and pin retaining devices.	

FREQUENCY	ITEM	KEY	INSPECTION DESCRIPTION	STATUS (S,R,X,NA)
D	9	General	Overall observation of crane for damaged or missing parts, cracked welds, and presence of safety covers.	
D	10	Operation	During operation, observe crane for abnormal performance, unusual wear (loose pins, wire rope damage, etc.). If observed, discontinue use and determine cause and severity of hazard.	
D	11	Remote Ctrl	Operate remote control devices to check for proper operation.	
D	12	Electrical	Operate all lights, alarms, etc. to check for proper operation.	
D	13	Anti Two-Block or Two-Block Damage Prevention	Operate anti two-block or two-block damage prevention device to check for proper operation.	
D	14	Tires	Check tires (when in use) for proper inflation and condition.	
D	15	Ground Conditions	Check ground conditions around the equipment for proper support, watching for ground settling under and around stabilizers and supporting foundations, ground water accumulation, or similar conditions.	
D	16	Level	Check the equipment for level position within the tolerances specified by the equipment manufacturer's recommendations, both before each shift and after each move and setup.	
D	17	Operator cab windows	Check windows for cracks, breaks, or other deficiencies which would hamper the operator's view.	
D	18	Rails, rail stops, rail clamps and supporting surfaces	Check rails, rail stops, rail clamps and supporting surfaces when the equipment has rail traveling.	
D	19	Safety devices	Check safety devices and operational aids for proper operation.	
D	20	Electrical	Check electrical apparatus for malfunctioning, signs of apparent excessive deterioration, dirt or moisture accumulation.	
D	21	Other		
D	22	Other		
M	23	Daily	All daily inspection items.	
M	24	Cylinders	Visual inspection of cylinders for leakage at rod, fittings, and welds. Damage to rod and case.	
M	25	Valves	Holding valves for proper operation.	
M	26	Valves	Control valves for leaks at fittings and between stations.	
M	27	Valves	Control valve linkages for wear, smoothness of operation, and tightness of fasteners. Relief valve for proper pressure settings.	
M	28	General	Bent, broken, or significantly rusted/corroded parts.	
M	29	Electrical	Electrical apparatus for malfunctioning, signs of apparent excessive deterioration, dirt or moisture accumulation. Electrical systems for presence of dirt, moisture, and frayed wires.	
M	30	Structure	All structural members for damage.	
M	31	Welds	All welds for breaks and cracks.	
M	32	Pins	All pins for proper installation and condition.	
M	33	Hardware	All bolts, fasteners and retaining rings for tightness, wear and corrosion.	
M	34	Wear Pads	Presence of wear pads.	
M	35	Pump & Motor	Hydraulic pumps and motors for leakage at fittings, seals, and between sections. Check tightness of mounting bolts.	
M	36	PTO	Transmission/PTO for leakage, abnormal vibration & noise, alignment, and mounting bolt torque.	

FREQUENCY	ITEM	KEY	INSPECTION DESCRIPTION	STATUS (S,R,X,NA)
M	37	Hyd Fluid	Quality of hydraulic fluid and presence of water.	
M	38	Hyd Lines	Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage, and secured properly.	
M	39	Hook	Load hook for abnormal throat distance, twist, wear, and cracks.	
M	40	Wire Rope	Condition of load line.	
M	41	Manual	Presence of operator's manual with unit.	
M	42		Other	
M	43		Other	
Q	44	Daily	All daily inspection items.	
Q	45	Monthly	All monthly inspection items.	
Q	46	Rotation Sys	Rotation bearing for proper torque of all mounting bolts.	
Q	47	Hardware	Base mounting bolts for proper torque.	
Q	48	Structure	All structural members for deformation, cracks and corrosion.	
	49		• Base	
	50		• Stabilizer beams and legs	
	51		• Mast	
	52		• Inner Boom	
	53		• Outer Boom	
	54		• Extension(s)	
	55		• Jib boom	
	56		• Jib extension(s)	
	57		• Other	
Q	58	Hardware	Pins, bearing, shafts, gears, rollers, and locking devices for wear, cracks, corrosion and distortion.	
	59		• Rotation bearing(s)	
	60		• Inner boom pivot pin(s) and retainer(s)	
	61		• Outer boom pivot pin(s) and retainer(s)	
	62		• Inner boom cylinder pin(s) and retainer(s)	
	63		• Outer boom cylinder pin(s) and retainer(s)	
	64		• Extension cylinder pin(s) and retainer(s)	
	65		• Jib boom pin(s) and retainer(s)	
	66		• Jib cylinder pin(s) and retainer(s)	
	67		• Jib extension cylinder pin(s) and retainer(s)	
	68		• Boom tip attachment	
	69		• Other	
Q	70	Hyd Lines	Hoses, fittings and tubing for proper routing, leakage, blistering, deformation and excessive abrasion.	
	71		• Pressure line(s) from pump to control valve	
	72		• Return line(s) from control valve to reservoir	
	73		• Suction line(s) from reservoir to pump	
	74		• Pressure line(s) from control valve to each function	
	75		• Load holding valve pipe(s) and hose(s)	
	76		• Other	
Q	77	Pumps & Motors	Pumps and Motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating & excess pressure.	
	78		• Winch motor(s)	
	79		• Rotation motor(s)	
	80		• Other	
Q	81	Valves	Hydraulic valves for cracks, spool return to neutral, sticking spools, proper relief valve setting, relief valve failure.	

FREQUENCY	ITEM	KEY	INSPECTION DESCRIPTION	STATUS (S,R,X,NA)
	82		• Main control valve	
	83		• Load holding valve(s)	
	84		• Stabilizer or auxiliary control valve(s)	
	85		• Other	
	86		• Other	
Q	87	Cylinders	Hydraulic cylinders for drifting, rod seal leakage and leakage at welds. Rods for nicks, scores and dents. Case for damage. Case and rod ends for damage and abnormal wear.	
	88		• Stabilizer cylinder(s)	
	89		• Inner boom cylinder(s)	
	90		• Outer boom cylinder(s)	
	91		• Extension cylinder(s)	
	92		• Rotation cylinder(s)	
	93		• Jib lift cylinder(s)	
	94		• Jib extension cylinder(s)	
	95		• Other	
Q	96	Winch	Winch, sheaves and drums for damage, abnormal wear, abrasions and other irregularities.	
Q	97	Hyd Filters	Hydraulic filters for replacement per maintenance schedule.	
A	98	Daily	All daily inspection items.	
A	99	Monthly	All monthly inspection items.	
A	100	Quarterly	All quarterly inspection items.	
A	101	Hyd Sys	Hydraulic fluid change per maintenance schedule.	
A	102	Controls	Control valve calibration for correct pressure & relief valve settings.	
A	103	Valves	Safety valve calibration for correct pressure & relief valve settings.	
A	104	Valves	Valves for failure to maintain correct settings.	
A	105	Rotation Sys	Rotation drive system for proper backlash clearance & abnormal wear, deformation and cracks.	
A	106	Lubrication	Gear oil change in rotation drive system per maintenance schedule.	
A	107	Hardware	Check tightness of all fasteners and bolts, using torque specifications on component drawings or torque chart.	
A	108	Wear Pads	Wear pads for excessive wear.	
A	109	Loadline	Loadline for proper attachment to drum.	

Deficiency / Recommendation / Corrective Action Report

DATE:	OWNER:	UNIT I.D. NUMBER:
GUIDELINES		
<ul style="list-style-type: none">a A deficiency (X) may constitute a hazard. Deficiency must be corrected and/or faulty parts replaced before resuming operation.b Recommendations (R) should be considered for corrective actions. Corrective action for a particular recommendation depends on the facts in each situation.c Corrective actions (CA), repairs, adjustments, parts replacement, etc. are to be performed by a qualified person in accordance with all manufacturer's recommendations, specifications and requirements.		
NOTE: Deficiencies (X) listed must be followed by the corresponding corrective action taken (CA).		
X = DEFICIENCY R = RECOMMENDATION CA = CORRECTIVE ACTION TAKEN		

Thread Torque Charts

FINE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5		GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-24	0.3125	19	14	27	20
3/8-24	0.375	35	26	49	35
7/16-20	0.4375	55	41	78	58
1/2-20	0.5	90	64	120	90
9/16-18	0.5625	120	90	170	130
5/8-18	0.625	170	130	240	180
3/4-16	0.75	300	225	420	315
7/8-11	0.875	445	325	670	500
1-12	1	645	485	995	745
1 1/8-12	1.125	890	670	1445	1085
1 1/4-12	1.25	1240	930	2010	1510
1 3/8-12	1.375	1675	1255	2710	2035
1 1/2-12	1.5	2195	1645	3560	2670

COARSE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5		GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-18	0.3125	17	13	25	18
3/8-16	0.375	31	23	44	33
7/16-14	0.4375	49	37	70	52
1/2-13	0.5	75	57	105	80
9/16-12	0.5625	110	82	155	115
5/8-11	0.625	150	115	220	160
3/4-10	0.75	265	200	375	280
7/8-9	0.875	395	295	605	455
1-8	1	590	445	910	680
1 1/8-7	1.125	795	595	1290	965
1 1/4-7	1.25	1120	840	1815	1360
1 3/8-6	1.375	1470	1100	2380	1780
1 1/2-6	1.5	1950	1460	3160	2370

NOTES

- 1 Tightening torques provided are midrange.
- 2 Consult bolt manufacturer's particular specifications, when provided.
- 3 Use flat washers of equal strength.
- 4 All torque measurements are given in foot-pounds.
- 5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.

FINE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA. (INCHES)				
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-24	0.3125	3	2	4	3
3/8-24	0.375	5	4	7	5
7/16-20	0.4375	8	6	11	8
1/2-20	0.5	12	9	17	12
9/16-18	0.5625	17	12	24	18
5/8-18	0.625	24	18	33	25
3/4-16	0.75	41	31	58	44
7/8-11	0.875	62	45	93	69
1-12	1	89	67	138	103
1 1/8-12	1.125	123	93	200	150
1 1/4-12	1.25	171	129	278	209
1 3/8-12	1.375	232	174	375	281
1 1/2-12	1.5	304	228	492	369

COARSE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA (INCHES)				
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-18	0.3125	2	2	3	2
3/8-16	0.375	4	3	6	5
7/16-14	0.4375	7	5	10	7
1/2-13	0.5	10	8	15	11
9/16-12	0.5625	15	11	21	16
5/8-11	0.625	21	16	30	22
3/4-10	0.75	37	28	52	39
7/8-9	0.875	55	41	84	63
1-8	1	82	62	126	94
1 1/8-7	1.125	110	82	178	133
1 1/4-7	1.25	155	116	251	188
1 3/8-6	1.375	203	152	329	246
1 1/2-6	1.5	270	210	438	328

NOTES

- 1 Tightening torques provided are midrange.
- 2 Consult bolt manufacturer's particular specifications, when provided.
- 3 Use flat washers of equal strength.
- 4 All torque measurements are given in kilogram-meters.
- 5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.