
Manual # 99903711

Model 6006i Parts

Effective Serial Number #3970 and up.

Revised 20110802



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Revisions

DATE	LOCATION	DESCRIPTION
20060106	32000682	CHANGED DRAWING # TO 32000682 FROM DUPLICATE # 32000732.
20060802	32000521, 32000724	UPDATE DESCRIPTION OF 32000699, CABLE, 3/8 X 100'
20061213	32000692, 32000521	CHANGED TO 12VDC MOTOR, CHANGED MAST AND BOOM ASSEMBLY DRAWING.
	COVER	MANUAL UPDATE – ADDED COVER NOTES ON SERIAL NUMBERS. SERIAL NUMBERS 3970 – 4029 COVER 6006i CRANES WITH 12V HOIST, NO POWER SUPPLY BOX, SERIAL NUMBERS 4030 AND BEYOND ARE 6006i CRANES WITH 12V HOISTS, CONTINUATION ROTATION.
20070430	SPECS	2H DESCRIPTION CHANGED TO 1H 1M
20070524		ADDED CRANE WEIGHT TO SPECS.
20070914	32000692	ADDED 200 AMP FUSE.
20080131	32000521, 32000724, 32000877	NEW ANTI-TWO-BLOCK ASSEMBLY 32000877, UPDATED BOOM ASSEMBLY DRAWINGS.
20080304	32000521, 32000724	INCLUDED OLD ASSEMBLY DRAWINGS FOR SERVICE.
20080515	32000521, 32000724	HARDWARE, FITTING CHANGES
20080729	32000521, 32000724	REPLACED WINCH
	32000937, 32000928, 32000926	NEW PARTS FOR DUAL CYLINDER CRANE.
20080822	32000692, 32000937	UPDATED HIGH AMP FUSE FROM 200 AMP TO 225 AMP
	32000521, 32000724	CABLE CHANGED FROM 85' TO 100'
		ADDED WIRING DIAGRAM.
20090113		ADDED INSTRUCTIONS TO CONVERT ANTI-TWO-BLOCK SYSTEM FROM HANGING WEIGHT TO PLUNGER.
20090403	32000682	ADDITIONAL PARTS NEEDED FOR CIRCUIT BOARD.
20091007	32000515, 32000953	OBSOLETE OLD GEAR PUMP AND POWER UNIT. REPLACED WITH 32000953
20100816	32000960	NEW SOLENOID ASSEMBLY KIT. REPLACED 32000039.
20110802	32000039	REPLACED KIT WITH 32000039.

CHAPTER 1

Introduction

This manual deals with information applicable to your IMT crane model, and is provided to assist you with ordering parts for your IMT crane. It contains additional instructions regarding your installation.

For operating instructions, refer to the IMT Electric-Hydraulic Telescopic Crane Operation & Safety Manual (IMT part number 99903618), and for maintenance and repair instructions, refer to the IMT Electric-Hydraulic Telescopic Crane Maintenance & Repair Manual (IMT part number 99903619).

It is the user's responsibility to maintain and operate this unit in a manner that will result in the safest working conditions possible.

Warranty of this crane will be void on any part of the crane subjected to misuse due to overloading, abuse, lack of maintenance and unauthorized modifications. No warranty - verbal, written or implied - other than the official, published IMT new machinery and equipment warranty will be valid with this crane. In addition, it is also the user's responsibility to be aware of existing Federal, State and Local codes and regulations governing the safe use and maintenance of this crane. This 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.

Throughout this manual, three means are used to draw the attention of personnel. They are NOTES, CAUTIONs and WARNINGs and 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.

CHAPTER 2

Specifications

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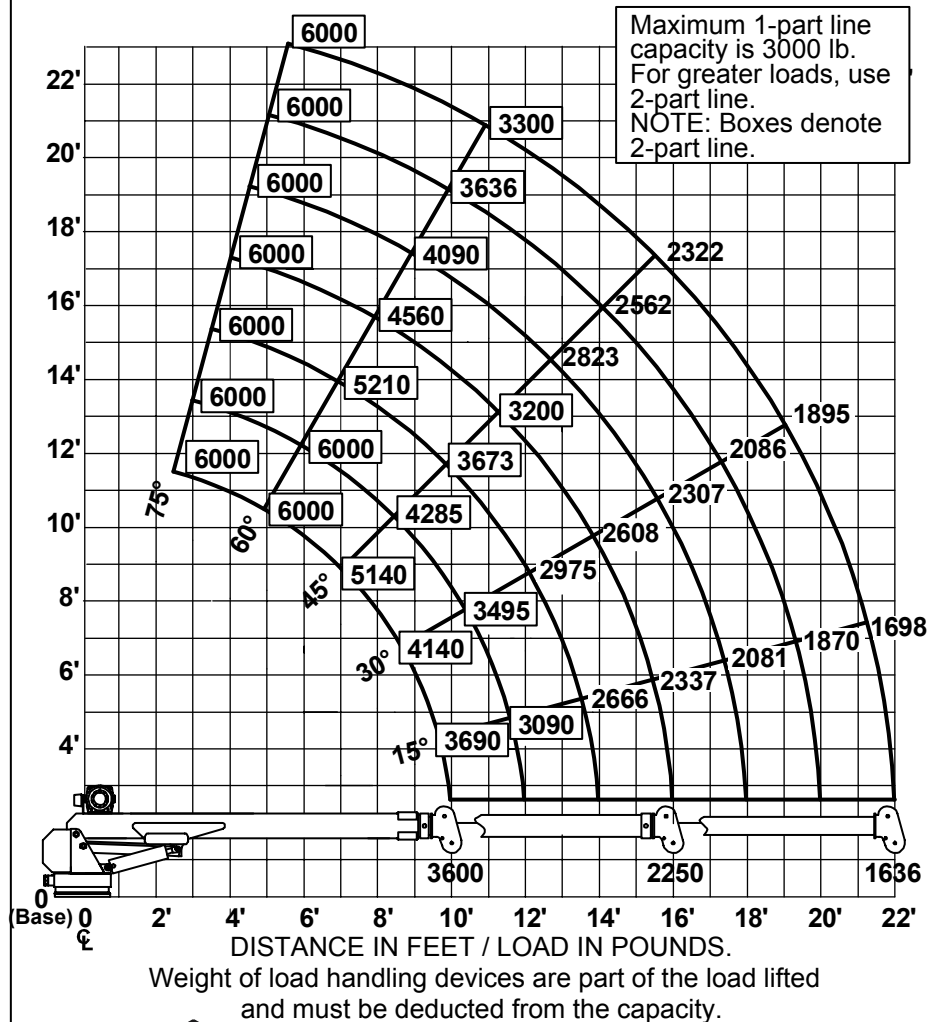
Model 6006i Specifications

Crane Rating	36,000 ft-lb
Maximum Horizontal Reach (from centerline of rotation)	16' (4.88 m) (1H) 22' (6.70 m) (1H1M)
Maximum Vertical Reach	17'-1" (5.21 m) (1H) 23'-1" (7.04 m) (1H1M)
Maximum Capacity	6,000 lb (2.721 kg)
Maximum Capacity at Maximum Reach	1,760 lb (798 kg) (1H) 1,600 lb (726 kg) (1H1M)
Crane Weight	1,290 lb (585 kg) (1H) 1,450 lb (658 kg) (1H1M)
Crane Storage Height	36" (91.4 cm)
Mounting Space Required	18" x 22" (45.7 cm x 55.9 cm)
Tie-down Bolt Pattern	14.75" x 14.75" (37.5 cm x 37.5 cm)
Wire Rope	100' (30.5 m) of 3/8" (0.9 cm) (7x19 Galv.)
Remote Control Cord Length	25' (7.6 m)
Electrical System	
Motor Voltage	12 VDC
Control Voltage	12 VDC
Battery Type	Two maintenance type 850 CCA, Deep Cycle type (minimum)
Alternator Requirement	100 amp minimum. 150 amp preferred.
Hydraulic System	
System Pressure	2,000 psi (138 bar)
Maximum Flow	2.2 gpm (8.3 lpm)
Oil Type	Dexron II, III or Mercon ATF
Minimum Chassis Requirement	14,500 lb (6577 kg) GVWR

Rev. 20070524

Model 6006i Capacity Chart

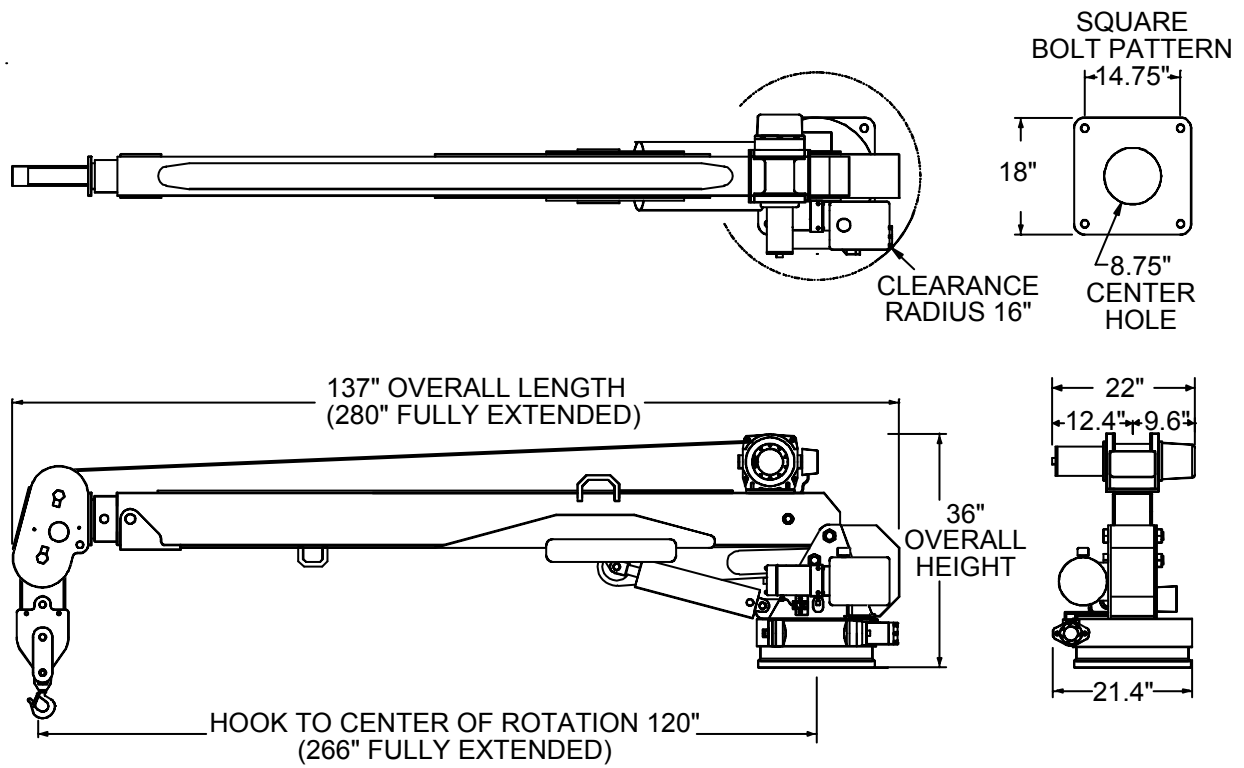
6006i CAPACITY CHART



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Model 6006i Crane Configuration



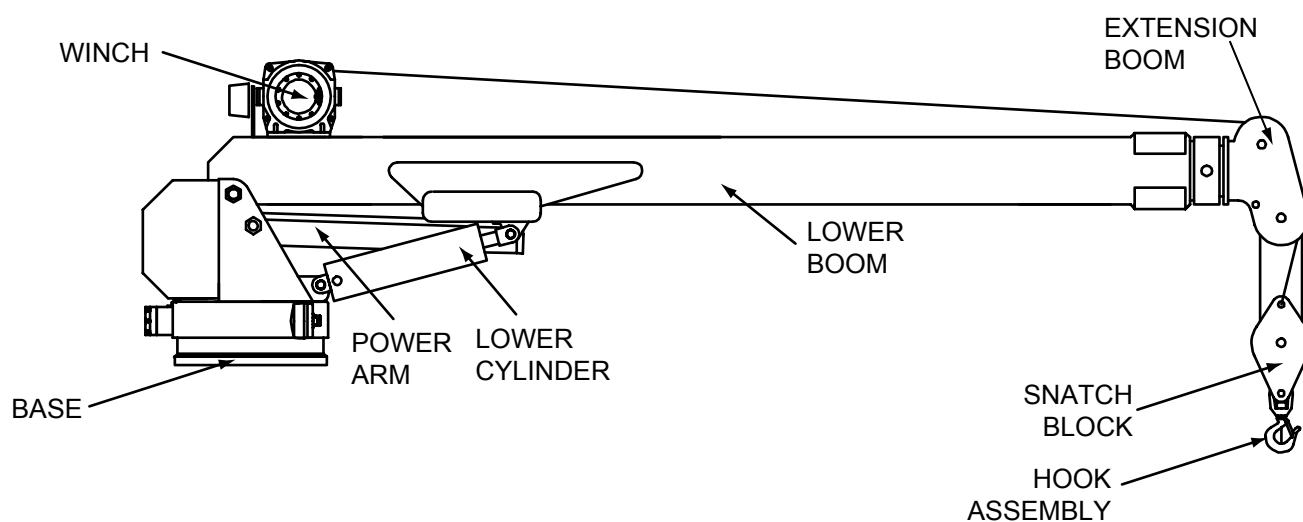
CHAPTER 3

Crane Reference

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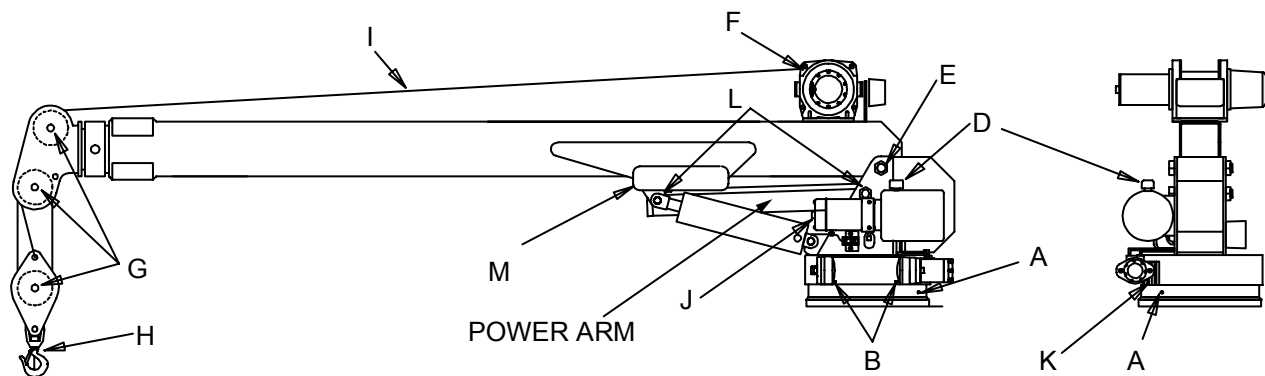
6006i Major Assemblies



Lubrication Schedule

Refer to the Lubrication Diagram for the locations of the lubrication points referred to in the following schedule.

DAILY	Check and fill hydraulic reservoir (D) to 1" of top using Dexron ATF. Make sure all cylinders are retracted before checking level.
WEEKLY	Apply high quality bearing grease to worm gear bearing via zerk fittings (B).
	Check rotation gear (K) for coverage and contaminants. Clean and reapply grease as necessary. Use only Moly 29 grease.
MONTHLY	Lubricate rotation bearing via zerk (A).
	Lubricate boom pivot pin via zerks (E).
	Apply small amount of machine oil to hook swivel mechanism (H).
	Apply small amount of grease between polymer rope pulleys (G) and axles.
	Apply rope oil with rag or spray to wire rope (I). Wipe off excess.
	Lubricate power arm bushings via zerks (L).
YEARLY	Clean polymer slide pad (M) and apply a light coat of lithium grease. (Model 6006i)
	Remove load brake from winch (F) and clean and apply a light coat of Lithium base grease to brake. Wipe interior bore of rope drum clean and inspect for damage. If no damage, apply light coat of Lithium grease and reassemble winch.
	Remove end cap from DC motor. Blow out debris and dust. Apply small amount of grease to armature bearing (J) and reassemble.



Recommended Spare Parts

Recommended spare parts for one-year for the 6006i Crane:

NOTE: This spare parts list does not necessarily indicate that the items can be expected to fail in the course of a year. It 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. 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 and you need to contact the distributor or manufacturer for availability.

Part #	Description	Quantity
32000877	Anti-Two-Block Assembly	1
32000739	Anti-Two-Block Reel	1
32000026	Hydraulic Reservoir	1
32000027	O-Ring, Hydraulic Reservoir	1
32000028	Breather Cap	1
32000030	Directional Valve Cartridge	1
32000031	Overload Pressure Switch	1
32000682	Control Module	1
32000033	Crane Wiring Harness	1
32000034	Remote Pendant	2
32000038	Dust Cap, Quik Turn	1
32000039	Solenoid Assembly	1
32000645	Circuit Breaker, 200 amp (Through S/N 4223)	1
32000826	Fuse, 225-amp (200-amp from S/N 4223 through S/N 4369)	1

Crane Control

IMT's electric-hydraulic telescopic cranes are controlled by pendant remote controls. The remote plugs into an outlet-style attachment at the back of the crane. After using the crane, stow the remote pendant in an interior location. Refer to the IMT Electric-Hydraulic Telescopic Crane Manual for additional crane operation information.

Crane Installation

Structural Preparation

Your new crane has been designed to lift the rated loads with sufficient safety factor included. However, the structure to which you bolt the crane must be strong enough to support the crane loads and to prevent failure under maximum loading conditions. If you are mounting to a truck body which has been factory reinforced for a crane, be sure that it has been designed and manufactured for the appropriate torque according to the following chart.

Crane Model	Truck Body Design Torque
Model 3203i	10,000 ft-lb
Model 4004i	16,000 ft-lb
Model 5005i	25,000 ft-lb
Model 6006i	36,000 ft-lb

If you are mounting to a truck body or platform body which has not been manufactured for crane installation, make sure you design and build a sufficient structure to support the crane. IMT recommends that you seek assistance from a professional engineer for the structural design of your installation.

It is critical that you follow the material and bolt recommendations per your crane model. Refer to the following chart for material and bolt grades.

Crane Model	Material	Bolt Size	Preferred Mounting Pattern
Model 3203i	A-36 steel plate, minimum 1/2" thick	1/2" grade 8 or equivalent	12" x 12"
Model 4004i	A-36 steel plate, minimum 1/2" thick	3/4" grade 8 or equivalent	12" x 12"
Model 5005i	A-36 steel plate, minimum 3/4" thick	7/8" grade 8 or equivalent	14-3/4" x 14-3/4"
Model 6006i	A-36 steel plate, minimum 1" thick	1" grade 8 or equivalent	14-3/4" x 14-3/4"

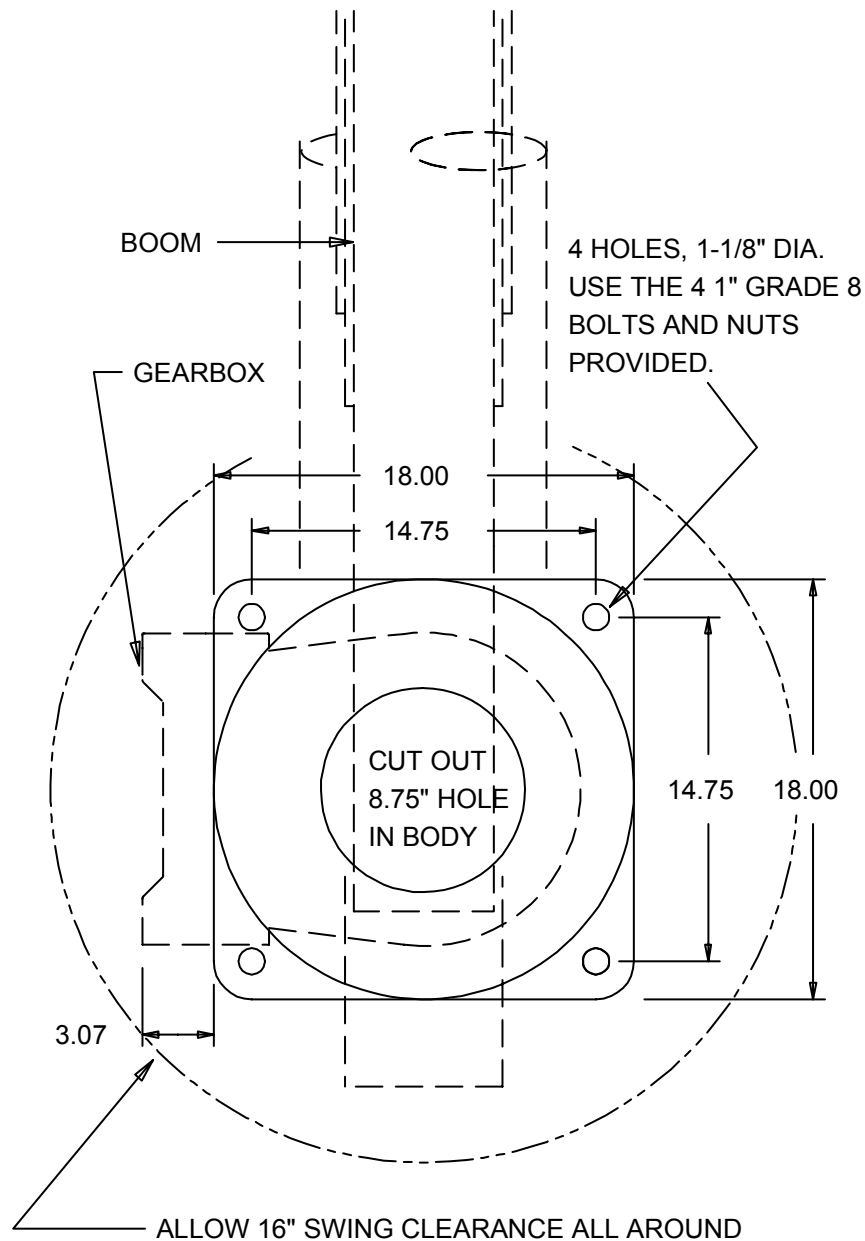
The mounting structure of the body should effectively transfer the crane loads to the ground via structural connection to the outrigger or similar structure.

CAUTION

Lifting loads without supporting the crane and truck body with outriggers can damage truck frame, body and rotation gear.

The addition of the weight of the crane to the vehicle weight can alter the driving and riding characteristics of the vehicle. It is recommended that additional overload springs be installed on the crane side of the truck to level it and compensate for the additional weight. Remember to subtract the installed weight of the crane and accessories from the payload capacity of the truck. Be careful not to overload the truck.

6006i Mounting Diagram

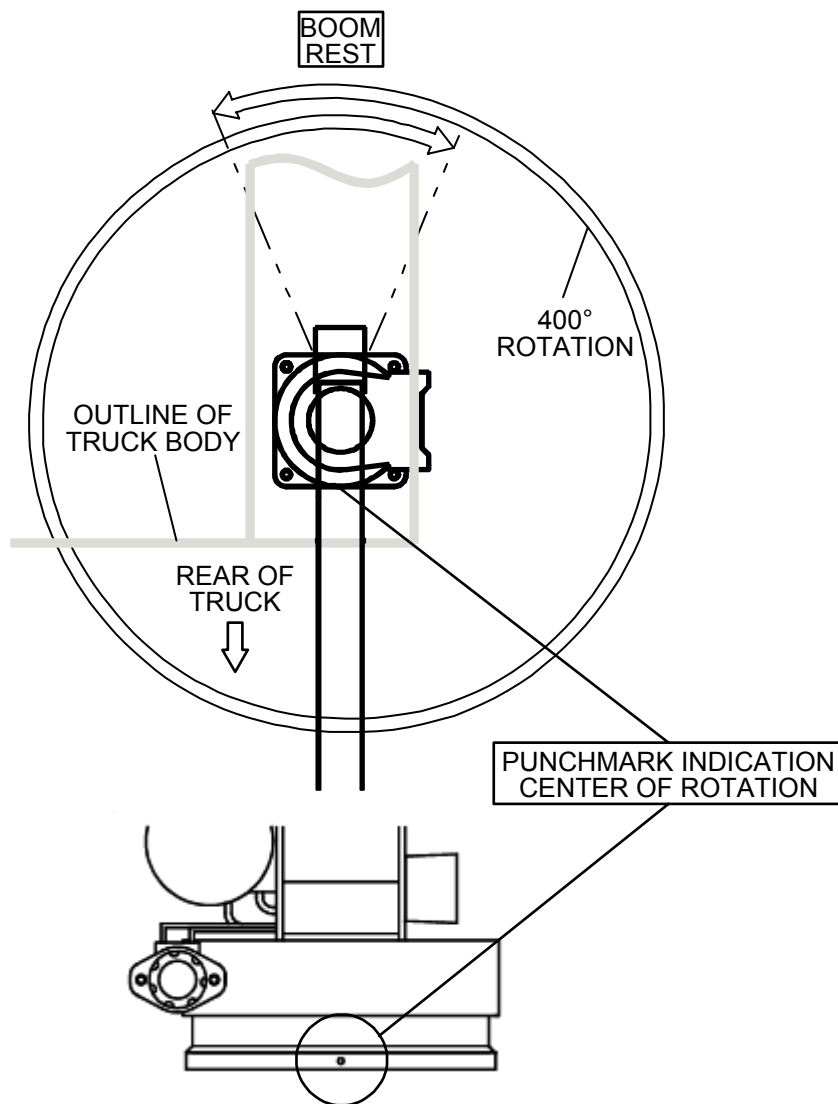


6006i Crane Orientation

IMT 6006i cranes are limited to 400° rotation.

It is important to position the crane on the body so the centerpoint of the rotation travel is to the REAR of the truck. There is a punch mark on the edge of the mounting base plate indicating the center of rotation travel. The crane should be oriented with this punch mark to the rear of the body.

When the crane is not factory-installed on a body, the crane is packed with the boom oriented over this punch mark to facilitate handling. Install the crane on the body with boom pointing backward. Once the crane is bolted down, it can be rotated 180° to the boom rest.



Recommended Installation Locations

The location of the crane on the truck body affects the usability and stability of the truck during lifting. Carefully plan the location of your crane on the truck body to account for safety, stability and functionality.

The following are suggested locations for your crane:

- 1 Passenger rear corner of the truck body. This is the most common location because it allows the operator to be on the “curb side” of the truck when working with the crane. This installation requires rear mounted outriggers.
- 2 In the center, at the rear – This allows the use of drop legs at each corner of the truck bed instead of outriggers. The disadvantage of this location is that for lifting at the side of the truck, the crane has to reach over half the width of the bed for the closest lifting point, which effectively lowers the maximum capacity of the crane at the side of the truck. An advantage of this location is that it provides the maximum stability for lifting the heaviest loads at the rear of the truck.
- 3 Other locations such as behind the cab, in the center of the bed, and as a trailer mount, have been successfully used to meet special needs. If you have special installation needs, contact the factory or your dealer for assistance in planning and executing your installation.

If you will not be lifting tall objects (24” or higher) or if you are mounting on top of the tool box on a crane reinforced utility body, you can bolt the crane directly to the body. If you will be mounting on a platform body and you will be handling loads which are taller than 24”, such as LP gas tanks, cemetery monuments, etc., use the mounting pedestal which raises the overall height of the mounted crane by 20”. This allows for more booming stroke with the taller loads.

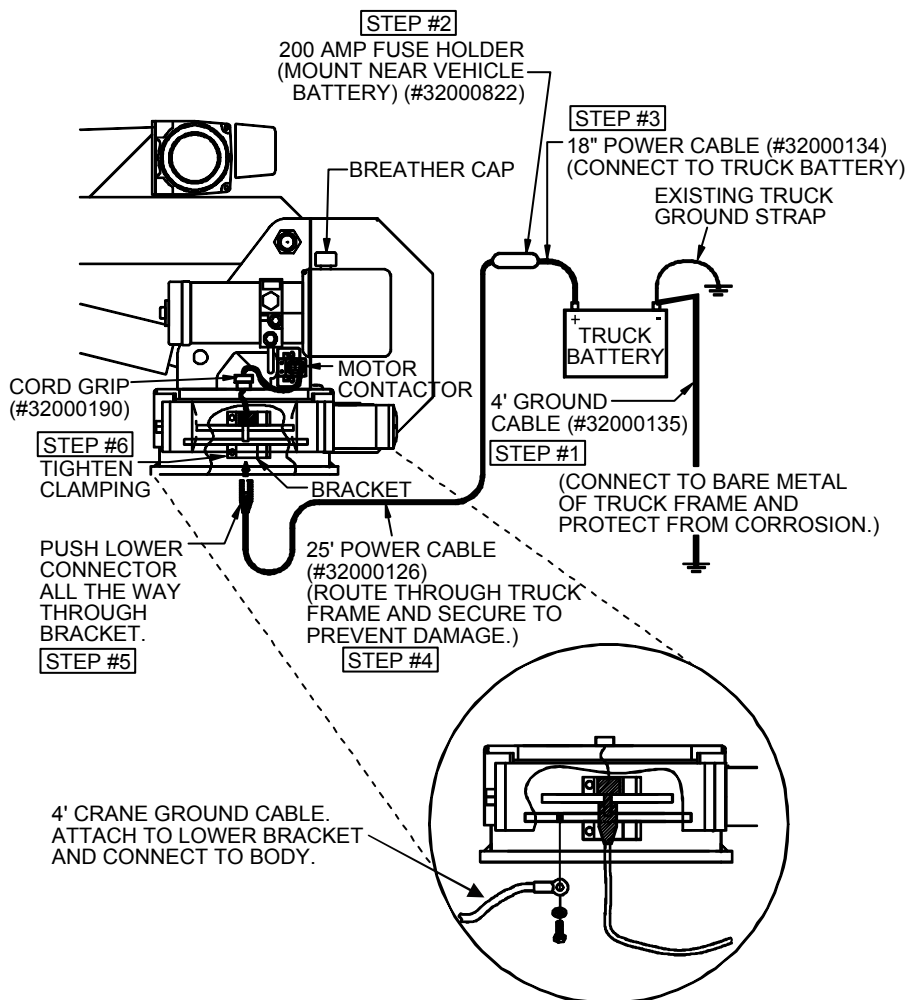
The crane should be supported when the vehicle is traveling (see the OPERATION section of this manual). Failure to provide or use a boom rest can result in damage to the crane. The boom rest should be installed to be as rigid as possible.

Electrical Installation

Once mounted, connect your crane to the vehicle's 12VDC electrical system via the 25-foot power cable.

NOTE

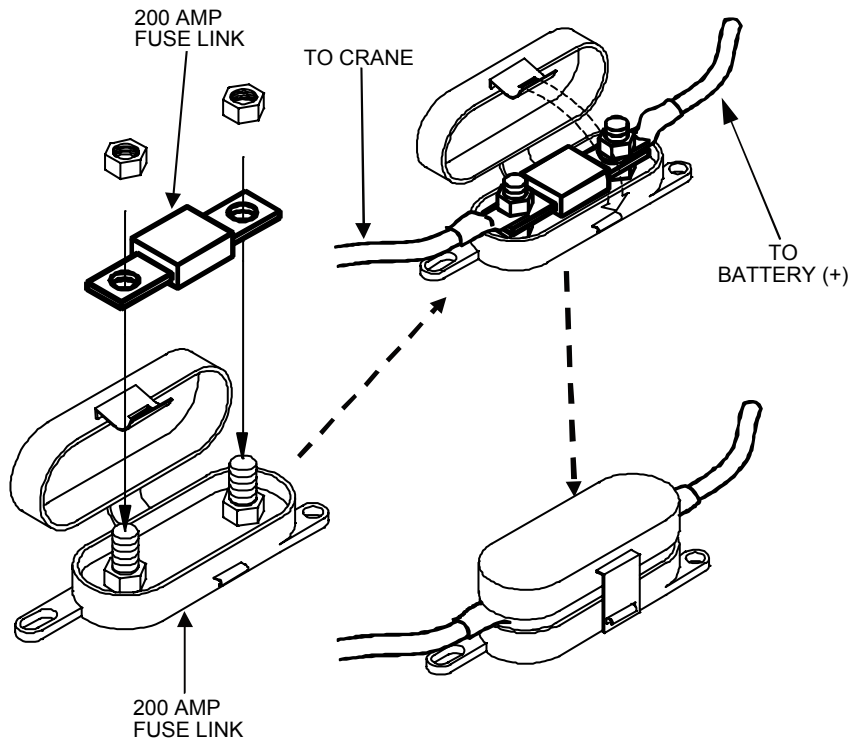
Replace the vehicle's original equipment battery with one or two (depending on crane model) maintenance type, deep cycle batteries in order to handle the extra power requirements of the crane. Under normal usage (up to 3 to 4 short operations per day), one or two 1000 CCA Deep Cycle Truck batteries should provide sufficient power for the crane as long as the vehicle is running at a fast idle while the crane is in use. An alternator of at least 100 amp rating is required, and 150 amps are recommended for higher duty cycle applications. If longer duty cycles are anticipated, a second battery (located as close to the crane as possible) may be needed. In this case, BE SURE to provide circuit protection from shorting of the power cable either with a circuit breaker or an inline fuse. Coat all battery and power cable connections with a corrosion protective coating.



- 1 Install the 4-foot crane ground cable (#32000135) (shown in detail in figure) to the lower rotation bracket. Attach the cable to bare metal on the truck body which is grounded to the battery system.

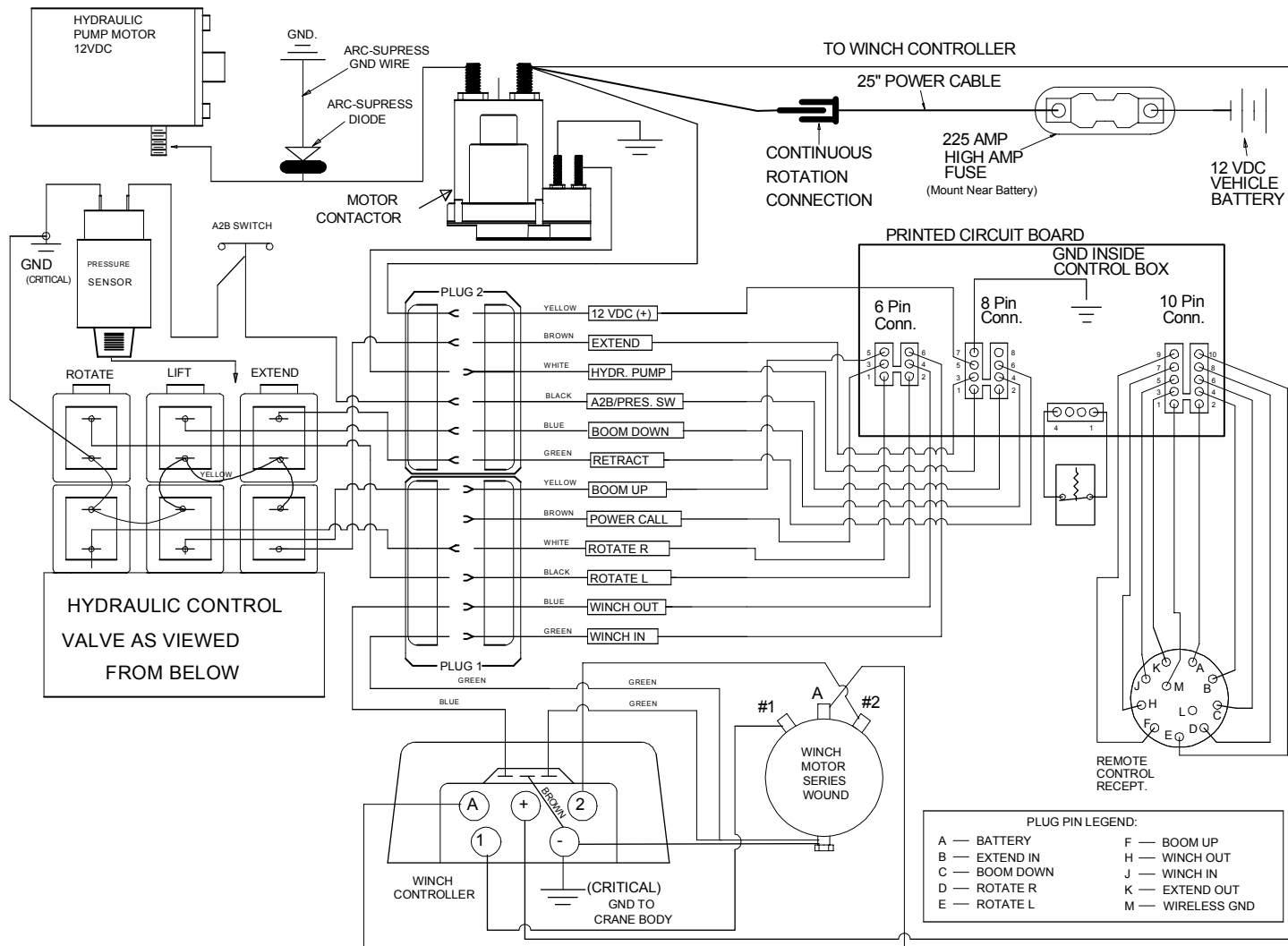
IMPORTANT! Install the 4 foot Frame Ground Cable (supplied) from the negative terminal of the battery to the vehicle frame making sure that good metal to metal contact is made. The crane electric system's ground completes the electrical circuit through the structure of the crane to the vehicle frame. The factory ground provided in the vehicle is NOT sufficient to carry the current required by the crane. Without the addition of this extra ground cable your crane will not operate to its' rated capacity and damage to the crane's electric motors, contactors or the vehicle electrical system may occur.

- 2 Mount the 200 amp fuse holder (#32000822) as close as possible to the battery.
- 3 Connect it to the positive (+) post of the battery with the 18" power jumper cable (#32000134). The fuse holder should be easily accessible in case of fuse replacement.



- 4 Run the 25-foot power cable (#32000126) through the truck frame and up into the engine compartment.
- 5 Push the power cable connector up through the bracket clamp all the way until the upper and lower rubber insulators touch.
- 6 Tighten the clamp all the way. Protect the power cable from abrasion, flying gravel, hot exhaust pipes etc. by fastening it inside the frame channel and using protective covering (loom, conduit etc.). Be sure to use rubber grommets or other protection when running power cable through steel bulkheads, etc.

Wiring Diagram, 5005i & 6006i



CHAPTER 4

Parts

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Outrigger, Single Pull Side Crank (32000018)	50

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

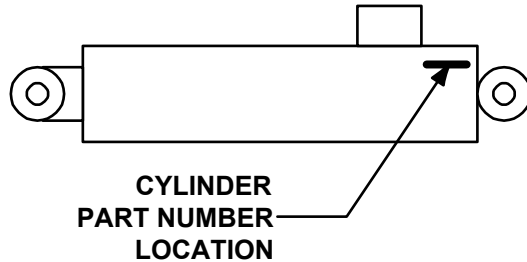
Every IMT crane has an identification placard (see figure). This placard is attached to the inner boom, mast, or crane base. When ordering parts, communicating warranty information, or referring to the unit in correspondence, always include the serial number and model numbers. Address all inquiries to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

IOWA MOLD TOOLING CO., INC. BOX 189, GARNER, IA 50438-0189	
MODEL NUMBER	
SERIAL NUMBER	
MFG DATE	
70029119	

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

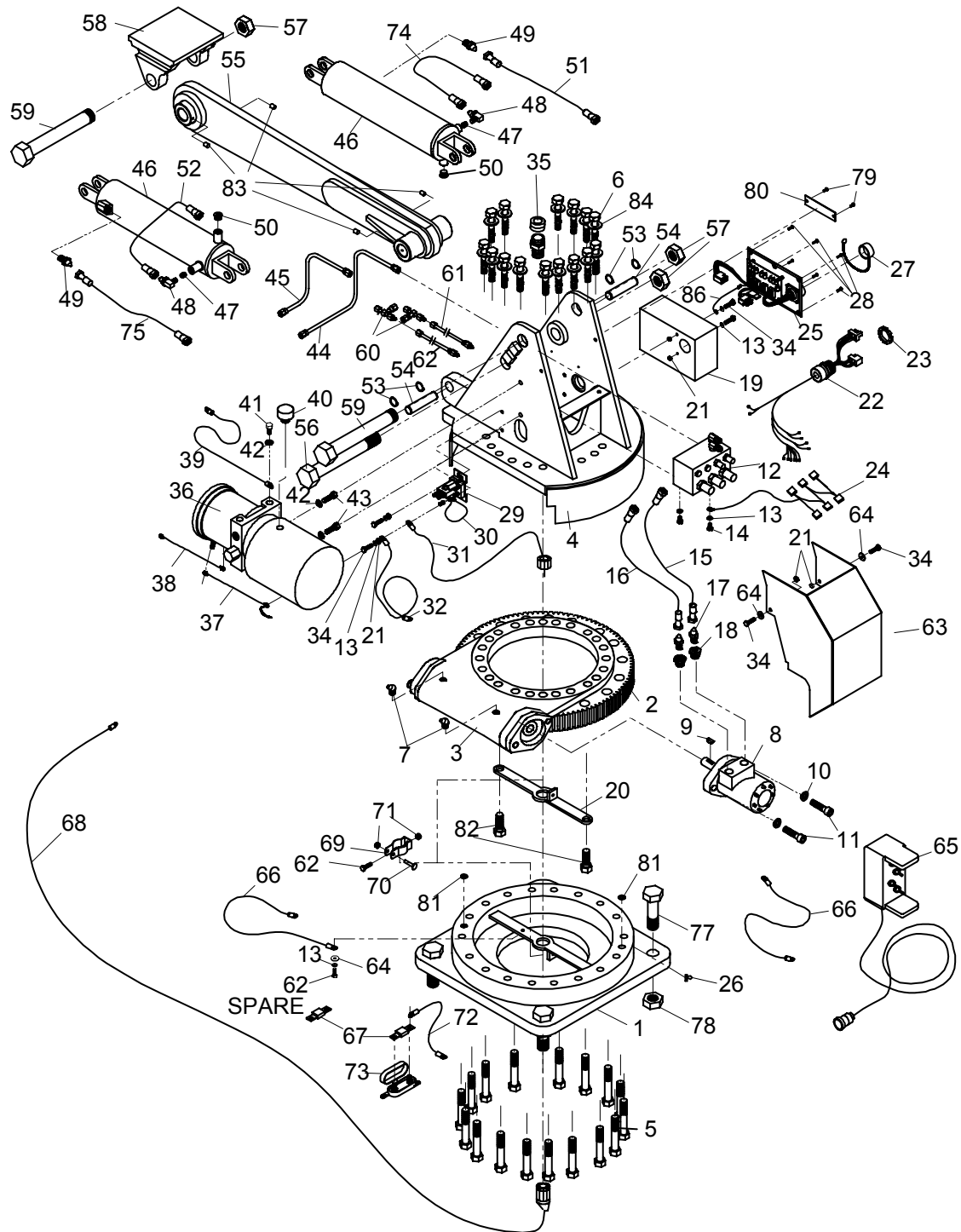
Each of the major weldments - base, mast, inner boom, outer boom, extension boom and outrigger weldments bear a stamped part number. Any time a major weldment is replaced, you must specify the complete part number as stamped on the weldment. The locations of the part numbers are shown in the Crane Reference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

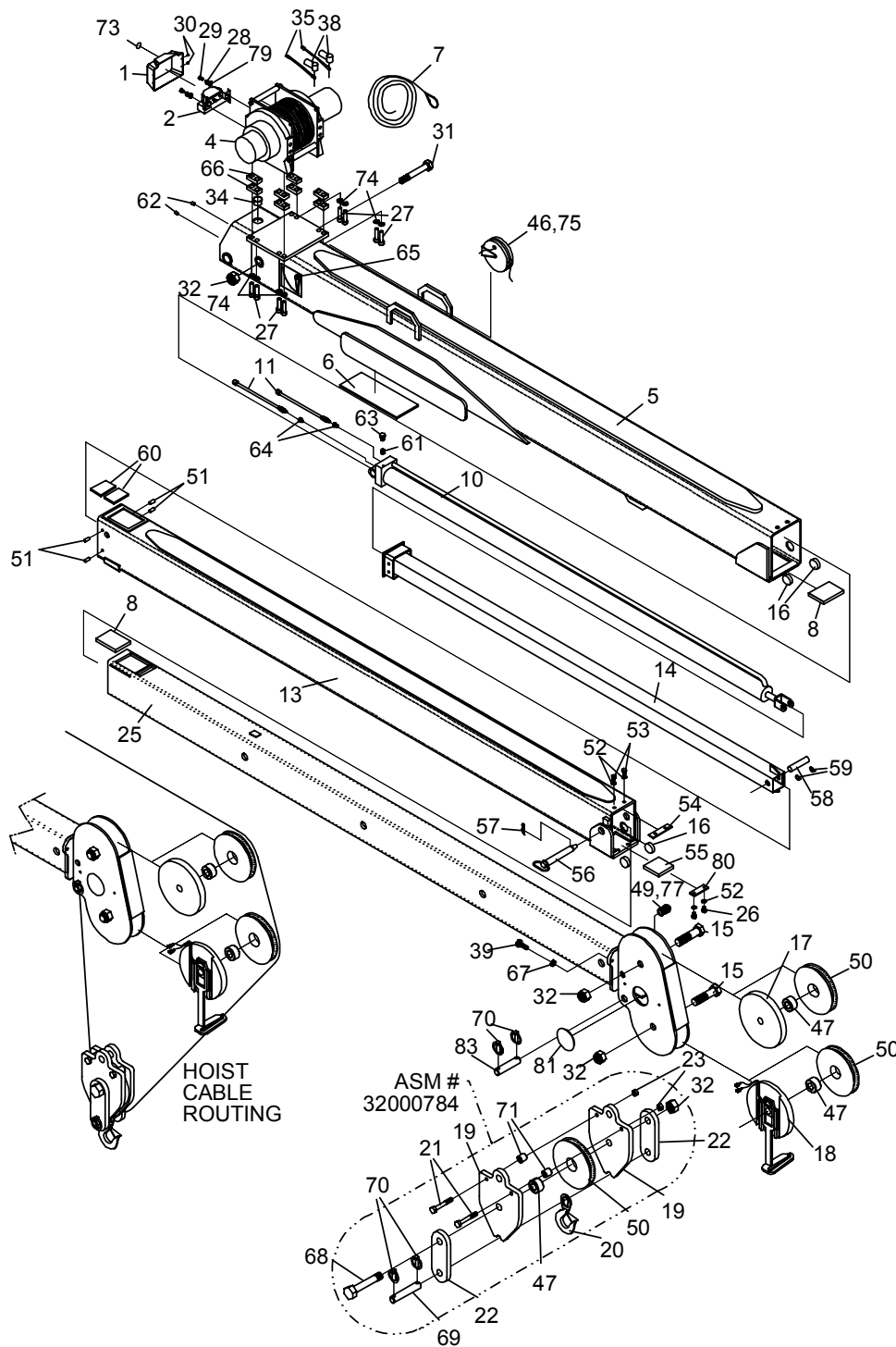
Mast Assembly (32000692) (S/N 3970b and beyond)



32000692 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000819	MOUNT BASE W/A w/ CONT. ROTATION	1
2.	32000408	SLEWNG RING, 6000	1
3.	32000504	WORM GEAR BOX	1
4.	32000681	YOKE WELDED ASSY	1
5.	32000689	BOLT, HEX HD, 5/8-11 X 3.75"	20
6.	32000084	BOLT, HEX HD, 5/8-11 X 3.5 Gr8	18
7.	32000236	GREASE ZERK, 1/8-27	2
8.	32000277	HYDRAULIC MOTOR, 7.3 c.i.	1
9.	32000265	1/4" WOODRUFF SHAFT KEY	1
10.	32000473	LOCK WASHER, 1/2"	2
11.	32000690	SOCKET BOLT, 1/2-13 x 2.00	2
12.	32000686	HYDRAULIC MANIFOLD ASSY L6 PXTW	1
13.	32000469	LOCK WASHER, 1/4"	7
14.	32000070	HEX BOLT, 1/4-20 x .50	2
15.	32000671	HOSE, 4-90FJICx4FJICx22.5"	1
16.	32000672	HOSE, 4-90FJICx4FJICx24.5"	1
17.	32000544	O-RING 4-MSAE 4-MJIC	2
18.	32000340	REDUCER, INT SAE/EXT SAE, 10-4	2
19.	32000647	CONTROL BOX	1
20.	32000820	L6 UPPER CONT. ROTATION BRKT.	1
21.	32000285	HEX NUT, 1/4-20	6
22.	32000033	WIRING HARNESS, L3/4/6	1
23.	32000295	CONDUIT NUT, 1"	1
24.	32000243	VALVE GROUND HARNESS PXTW	1
25.	32000682	CONTROL MODULE, W/CIRCUIT BREAKER	1
26.	32000617	GREASE ZERK, 1/8-27 STRAIGHT	1
27.	32000038	QUICK TURN DUST CAP	1
28.	32000382	PHILLIPS HD SCREW, 6-32 x .50	6
29.	32000039	SOLENOID ASSEMBLY	1
30.	32000262	E/H MOTOR CONTACTOR GND JUMPER	1
31.	32000510	POWER CABLE 15"	1
32.	32000157	WINCH POWER CABLE	1
33.		-	-
34.	32000067	HEX BOLT, 1/4-20 x 1"	6
35.	32000190	CORD GRIP, 3/4	1
36.	32000259	HYDRAULIC POWER UNIT ASSY, PXTW, 12V	1
37.	32000154	E'H MOTOR ARC-SUPPRESSION CABLE	1
38.	32000147	PUMP MOTOR GROUND CABLE, 13-1/2	1
39.	32000237	WINCH GROUND CABLE	1
40.	32000028	BREATHING CAP	1
41.	32000077	HEX BOLT, 3/8-16 x .50	1
42.	32000476	LOCK WASHER, 3/8"	3
43.	32000805	HEX BOLT, 3/8-16 x 1.25	2
44.	32000454	RETURN TUBE	1
45.	32000452	PUMP TUBE	1
46.	32000199	HYDRAULIC CYLINDER	2
47.	32000248	HOSE BREAK VALVE	2
48.	32000217	1/4 MJIC x 3/8 M O-RING 90°	2
49.	32000428	1/4 MJIC x 3/8 M O-RING	2
50.	32000309	O-RING HEX PLUG #6	2
51.	32000667	HYDRAULIC HOSE, 24" LG.	1
52.	32000670	HYDRAULIC HOSE, 21-1/2" LG.	1
53.	32000363	SNAP RING, 1" EXT.	4
54.	32000323	CYLINDER PIN, 1" x 2-3/4"	2

32000692 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
55.	32000680	POWER ARM	1
56.	32000806	LOWER YOKE BOLT	1
57.	32000287	NUT, HEX, 1-1/4-7	3
58.	32000411	SLIDE PLATE WELDED ASSY	1
59.	32000676	SLIDE PAD / UPPER YOKE BOLT	2
60.	32000674	TEE, 6 x 6 x 6 MJIC MALE	2
61.	32000666	HYDRAULIC HOSE, 10"	2
62.	32000066	HEX BOLT, 1/4-20 x 3/4	3
63.	32000679	VALVE COVER WELD ASSY	1
64.	32000471	WASHER, FLAT, 1/4	3
65.	32000034	PENDANT 25' W/BAYONET CONNECTOR	1
66.	32000135	48" GROUND CABLE	2
67.	32000826	HIGH AMP FUSE 225 AMP (WAS 200 AMP)	2
68.	32000126	POWER CABLE, 25'	1
69.	32000562	CONDUIT CLAMP	2
70.	32000655	BOLT, CARRIAGE 1/4-20 x 3/4	2
71.	32000286	NUT, NYLON LOCK 1/4-20	4
72.	32000134	CABLE, 18" BREAKER TO TRUCK BATTERY	1
73.	32000822	HIGH AMP FUSE HOLDER	1
74.	32000668	HYDRAULIC HOSE, 22" LG.	1
75.	32000669	HYDRAULIC HOSE, 24-1/2" LG.	1
76.		-	-
77.	32000688	BOLT, HEX HD, 1-8 x 3.5 grd 8	4
78.	32000687	NUT, HEX, 1-8	4
79.	32000658	SCREW, DRIVE, #8 x 3/8	2
80.	32000644	SERIAL NUMBER PLATE	1
81.	32000673	O-RING 3/32 C/S x 7/16 ID x 5/8 OD	2
82.	32000821	BOLT, HEX HD, 5/8-11 x 1-3/4 grd 5	2
83.	32000572	GREASE ZERK INSERT	4
84.	32000468	WASHER, 5/8 SAE FLAT HARD PLT	18
85.		-	-
86.	32000184	CONTROL MODULE, GROUND JUMPER	1
REV 20100816 SN4223			

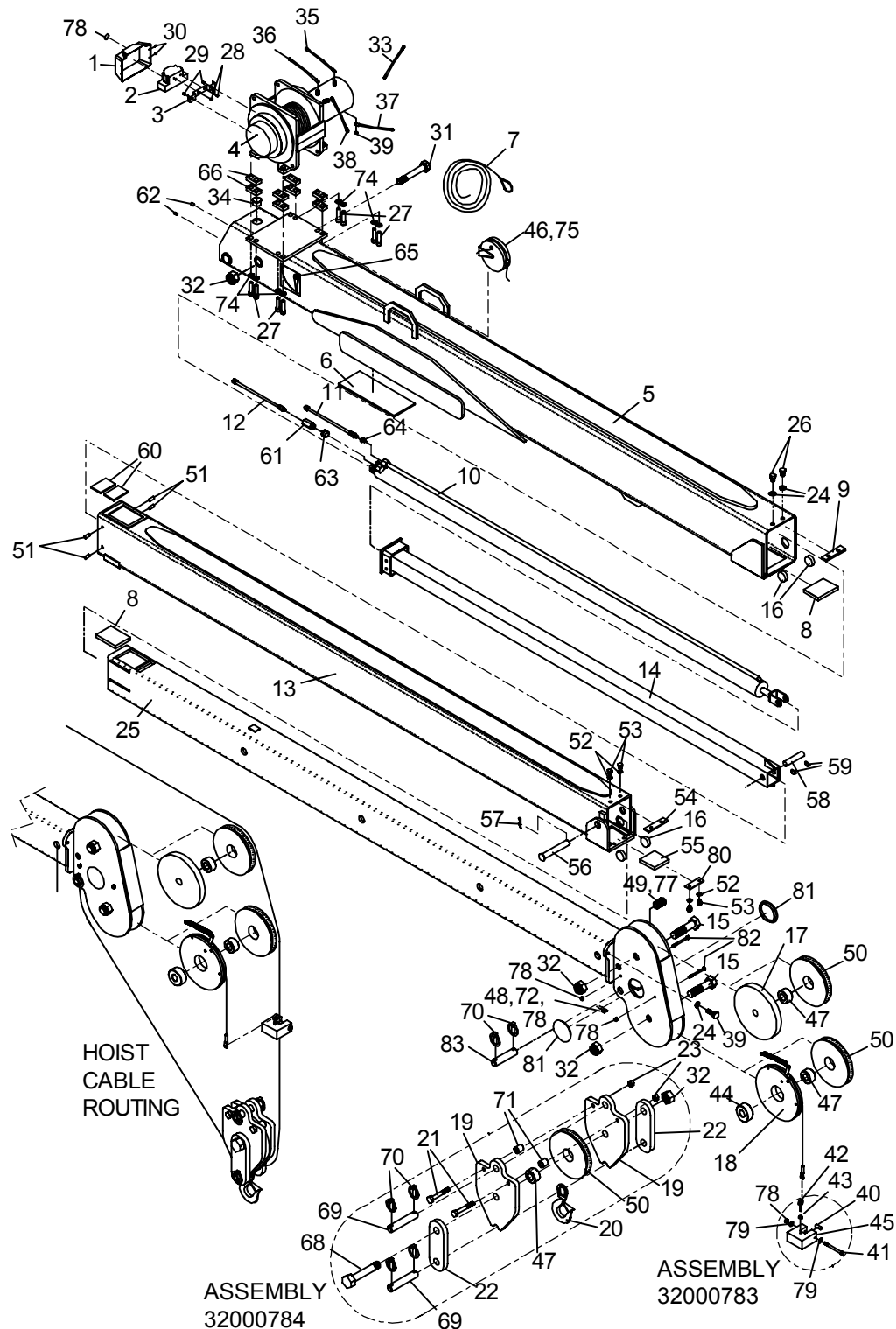
Boom Assembly (32000521) (Eff. S/N 4296)



32000521 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000196	WINCH CONTROL COVER	1
2.	32000181	CONTACTOR-12V (LF/MF)	1
4.	32000863	WINCH, DC3000 - 12V (EFF S/N 4320) (WAS 32000801 THROUGH 7/2008)	1
5.	32000711	OUTER BOOM	1
6.	32000486	NYTRN, WEAR PAD	1
7.	32000945	CABLE, 5/16 X 100' 6x36 EIPS (EFF S/N 4370) (WAS 32000841 THROUGH S/N 4369)	1
8.	32000410	NYTRN, WEAR PAD 1/2x4.0x3.0	2
10.	32000800	HYDRAULIC EXT. CYLINDER	1
11.	32000696	HYD HOSE, 1/4" 4FJIC x 4FJIC 25"	2
13.	32000729	INTERMEDIATE BOOM	1
14.	32000464	THRUST TUBE	1
15.	32000719	BOLT, HEX 1-8x4.00 grd 5	2
16.	32000702	BOOM SLIDE SPACER	4
17.	32000703	SHEAVE SPACER, Ø8.50	1
18.	32000877	ANTI-2 BLOCK w/ SWITCH ARM	1
19.	32000705	3T LOAD BLOCK SIDE PLATE	2
20.	32000437	SWIVEL HOOK,3-TON	1
21.	32000720	BOLT, HEX HD 1/2-13 x 3.25 grd 5	2
22.	32000706	T3 LOAD BLOCK HOOK LINK	2
23.	32000284	NUT, NYLON LOCK, 1/2-13	2
25.	32000730	INNER BOOM	1
26.	32000802	HEX BOLT, 3/8-16 x 7/8	2
27.	32000721	SOCKET HEAD BOLT, M12 - 1.75 x 45mm	8
28.	32000469	WASHER, LOCK 1/4	2
29.	32000070	BOLT, HEX HD, 1/4-20 x 1/2	2
30.	32000796	PAN HEAD SCREW 10-24 X 1/2"	2
31.	32000072	BOLT, HEX, 1"-8 X 8",Grd 8 PLTD	1
32.	32000289	NUT, NYLON LOCK 1"-8, PLTD	4
33.	32000146	CABLE, GROUND 36"	1
34.	32000297	NYLON GROMMET, 1"	1
35.	32000145	CABLE, WINCH MOTOR	2
38.	32000891	WINCH CORD BOOT (ADDED S/N 4320)	2
39.	32000061	BOLT 1/2-13 x 1-1/2	1
46.	32000342	A-2-B REEL	1
47.	32000707	3T LOAD BLOCK PULLEY BUSHING	3
49.	32000189	CORD GRIP	1
50.	32000698	WIRE ROPE PULLEY, 7.50	3
51.	32000568	PIN, THRUST TUBE LOCKING	4
52.	32000476	3/8" LOCK WASHER	4
53.	32000077	HEX BOLT, 3/8-16 X 1/2"	2
54.	32000725	BOOM RETAINER	1
55.	32000727	WEAR PAD 3.00 x 3.00 x .50	1
56.	32000584	XTW LOCKING PIN	1
57.	32000425	SPRING COTTER PIN, 1"	1
58.	32000465	THRUST TUBE PIN 3"	1
59.	32000363	SNAP RING, 1"	2
60.	32000481	NYLTRN, WEAR PAD	2
61.	32000248	VELOCITY FUSE	1
62.	32000572	GREASE ZERK INSERT	2
63.	32000331	PLUG, 6SAE, ALLEN HEAD (32000309 THRU S/N 4319)	1
64.	32000428	1/4 MJIC x 3/8 M ORING	2
65.	32000203	BOOM ANGLE INDICATOR KIT	1

32000521 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
66.	32000701	HOIST BLOCK	8
67.	32000803	NUT, JAM 1/2-13	1
68.	32000718	BOLT, HEX HD, 1-8 x 5.50 grd 8	1
69.	32000709	3T LOAD BLOCK HOOK PIN	1
70.	32000537	QUICK PIN	4
71.	32000708	T3 LOAD BLOCK SPACER	2
73.	32000616	PLUG, 7/8 FLUSH BUTTON	1
74.	32000571	WASHER, LOCK, M12	8
75.	32000372	SCREW, TEK, #10 x .75	2
77.	32000694	NUT, CONDUIT CONNECT 1/2"	1
79.	32000471	WASHER, FLAT, 1/4	2
80.	32000726	INTERMEDIATE PAD RETAINER	1
81.	32000693	PLUG, SHEAVE HEAD (QTY 2 THROUGH S/N 4319)	1
83.	32000710	SHEAVE HEAD PIN	1
	32000714	DECAL PACK	1
REV 20080815 SN 4370			

Boom Assembly (32000521) (Eff. S/N 3970)

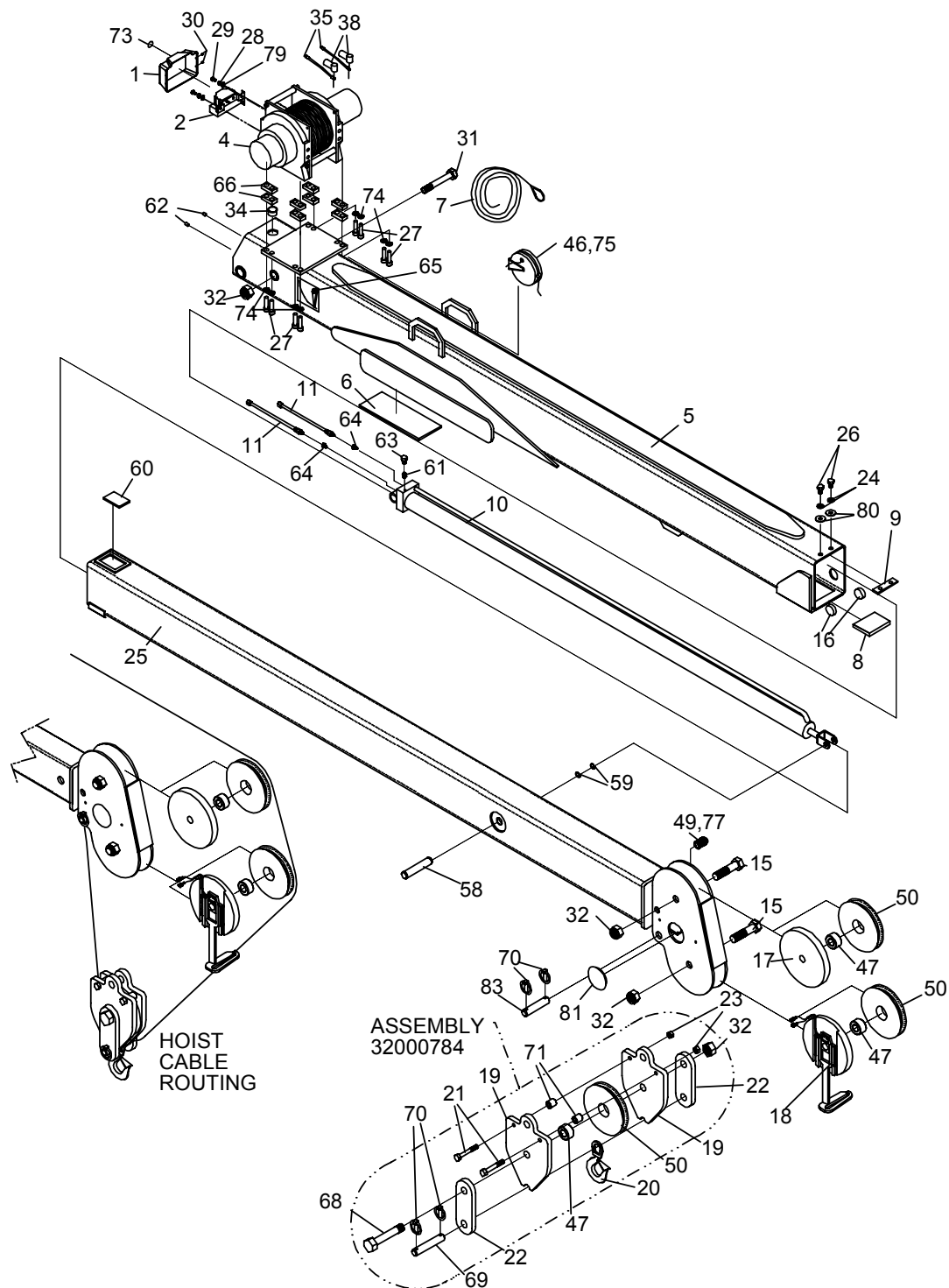


32000521 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000196	COVER 12V (LF/MF)	1
2.	32000181	CONTACTOR-12V (LF/MF)	1
3.	32000104	BRACKET 12 V (LF/MF)	1
4.	32000700	WINCH, 24V -DC4000	1
5.	32000711	OUTER BOOM	1
6.	32000486	NYTRN, WEAR PAD	1
7.	32000699	CABLE, 3/8 X 100'	1
8.	32000410	NYTRN, WEAR PAD 1/2x4.0x3.0	2
9.	32000096	BOOM PAD RETAINER	1
10.	32000200	HYDRAULIC EXT. CYLINDER	1
11.	32000696	HYD HOSE, 1/4" 4FJIC x 4FJIC 25"	1
12.	32000695	HYD HOSE, 4MNPT x 4FJIC 23"	1
13.	32000729	INTERMEDIATE BOOM	1
14.	32000464	THRUST TUBE	1
15.	32000719	BOLT, HEX 1-8x4.00 grd 5	2
16.	32000702	L6 BOOM SLIDE SPACER	4
17.	32000703	SHEAVE SPACER, Ø8.50	1
18.	32000713	ANTI-2 BLOCK	1
19.	32000705	3T LOAD BLOCK SIDE PLATE	2
20.	32000437	SWIVEL HOOK,3-TON	1
21.	32000720	BOLT, HEX HD 1/2-13 x 3.25 grd 5	2
22.	32000706	T3 LOAD BLOCK HOOK LINK	2
23.	32000284	NUT, NYLON LOCK, 1/2-13	2
24.	32000473	1/2" LOCK WASHER	3
25.	32000730	INNER BOOM	1
26.	32000716	HEX BOLT, 1/2-13 X3/4"	2
27.	32000721	SOCKET HEAD BOLT, M12 - 1.75 x 45mm	4
28.	32000383	RD HD SCREW 8-32 X 3/8"	2
29.	32000376	PAN HEAD SCREW 10-32 X 7/8"	2
30.	32000375	PAN HEAD SCREW 10-32 X 1/2"	2
31.	32000072	BOLT, HEX, 1"-8 X 8",Grd 8 PLTD	1
32.	32000289	NUT, NYLON LOCK 1"-8, PLTD	4
33.	32000146	CABLE, GROUND 36"	1
34.	32000297	NYLON GROMMET, 1"	1
35.	32000145	CABLE, A	1
36.	32000145	CABLE, F2	1
37.	32000145	CABLE, GROUND 16"	1
38.	32000145	CABLE, F1	1
39.	32000061	BOLT, HEX HD 1/2-13 x 1.50	1
40.	32000122	A-2-B WEIGHT, ROLLER BUSHING	1
41.	32000573	BOLT, HEX, 1/4-20 x 3.50	1
42.	32000229	EYE BOLT, E-1 BENT	1
43.	32000285	HEX NUT, 1/4-20	1
44.	32000728	A-2-B-SHEAVE BUSHING	1
45.	32000488	A-2-B WEIGHT	1
46.	32000342	A-2-B REEL	1
47.	32000707	3T LOAD BLOCK PULLEY BUSHING	3
48.	32000435	A-2-B MAGNETIC SWITCH	1
49.	32000189	CORD GRIP	1
50.	32000698	WIRE ROPE PULLEY, 7.50	3
51.	32000568	PIN, THRUST TUBE LOCKING	4
52.	32000476	3/8" LOCK WASHER	4
53.	32000077	HEX BOLT, 3/8-16 X 1/2"	4
54.	32000725	BOOM RETAINER	1

32000521 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
55.	32000727	WEAR PAD 3.00 x 3.00 x .50	1
56.	32000325	PULL OUT BOOM PIN	1
57.	32000425	SPRING COTTER PIN, 1"	1
58.	32000465	THRUST TUBE PIN 3"	1
59.	32000723	SNAP RING, 1"	2
60.	32000481	NYLTRN, WEAR PAD	2
61.	32000575	VELOCITY FUSE	1
62.	32000572	GREASE ZERK INSERT	2
63.	32000697	M O-RING x F PIPE STRAIGHT	1
64.	32000428	1/4 MJIC x 3/8 M ORING	1
65.	32000203	BOOM ANGLE INDICATOR KIT	1
66.	32000701	HOIST BLOCK	8
67.		-	-
68.	32000718	BOLT, HEX HD, 1-8 x 5.50 grd 8	1
69.	32000709	3T LOAD BLOCK HOOK PIN	2
70.	32000537	QUICK PIN	6
71.	32000708	T3 LOAD BLOCK SPACER	2
72.	32000722	SCREW, SLOT RD HD, 6-32 x .50	2
73.	32000616	PLUG, 7/8 FLUSH BUTTON	1
74.	32000571	WASHER, LOCK, M12	8
75.	32000372	SCREW, TEK, #10 x .75	2
76.	32000294	NUT, HEX 6-32	2
77.	32000694	NUT, CONDUIT CONNECT 1/2"	1
78.	32000715	NUT, NYLON LOCK, 1/4-20	3
79.	32000471	WASHER, FLAT, 1/4	2
80.	32000726	INTERMEDIATE PAD RETAINER	1
81.	32000693	PLUG, L6 SHEAVE HEAD	2
82.	32000717	BOLT, HEX 1/4-20 x 3.00	2
83.	32000710	SHEAVE HEAD PIN	1
-	32000714	DECAL PACK L6	1

REV 20060801

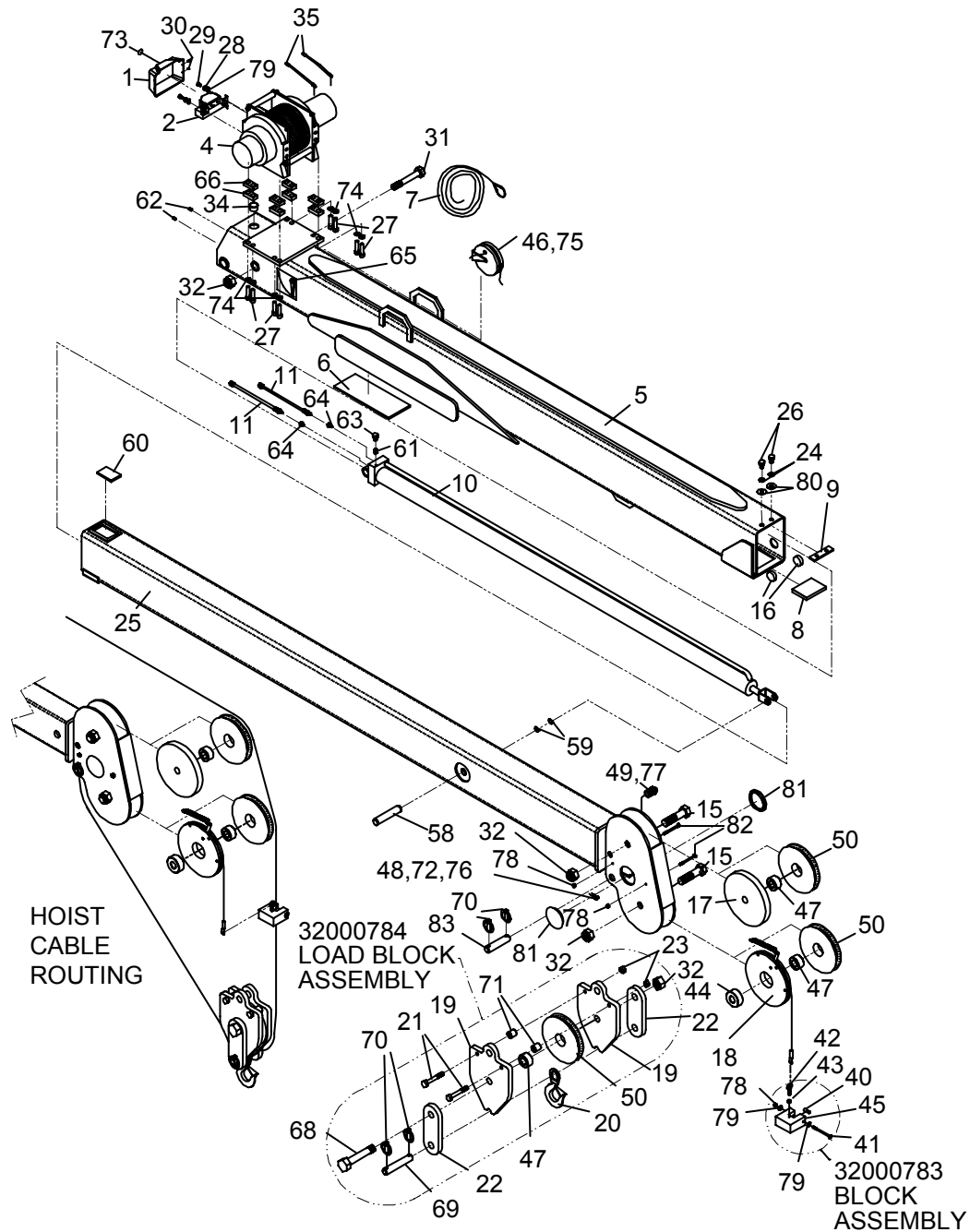
Boom Assembly (32000724) (Eff. S/N 4296)



32000724 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000196	WINCH CONTROL COVER	1
2.	32000181	CONTACTOR-12V (LF/MF) (WAS 32000180)	1
4.	32000863	WINCH, DC3000 - 12V (WAS 32000801 THROUGH 7/2008)	1
5.	32000711	OUTER BOOM	1
6.	32000486	NYTRN, WEAR PAD	1
7.	32000945	CABLE, 5/16 x100' - 6x36 EIPS (WAS 32000841 THROUGH S/N 4369, 32000699)	1
8.	32000410	NYTRN, WEAR PAD 1/2x4.0x3.0	2
10.	32000800	HYDRAULIC EXT. CYLINDER	1
11.	32000696	HYD HOSE, 1/4" 4FJIC x 4FJIC 25"	2
13.	32000729	INTERMEDIATE BOOM	1
14.	32000464	THRUST TUBE	1
15.	32000719	BOLT, HEX 1-8x4.00 GR 5	2
16.	32000702	BOOM SLIDE SPACER	4
17.	32000703	SHEAVE SPACER, 78.50	1
18.	32000877	ANTI-2 BLOCK (WAS 32000713)	1
19.	32000705	3T LOAD BLOCK SIDE PLATE	2
20.	32000437	SWIVEL HOOK,3-TON	1
21.	32000720	BOLT, HEX HD 1/2-13 x 3.25 GR 5	2
22.	32000706	LOAD BLOCK HOOK LINK, 3-TON	2
23.	32000284	NUT, NYLON LOCK, 1/2-13	2
25.	32000730	INNER BOOM	1
26.	32000802	HEX BOLT, 3/8-16 x 7/8	2
27.	32000721	SOCKET HEAD BOLT, M12 - 1.75 x 45mm	8
28.	32000469	WASHER, LOCK 1/4	2
29.	32000070	BOLT, HEX HD, 1/4-20 x 1/2	2
30.	32000796	PAN HEAD SCREW 10-24 X 1/2"	2
31.	32000072	BOLT, HEX, 1"-8 X 8",GR 8 PLTD	1
32.	32000289	NUT, NYLON LOCK 1"-8, PLTD	4
33.	32000146	CABLE, GROUND 36"	1
34.	32000297	NYLON GROMMET, 1"	1
35.	32000145	CABLE, WINCH MOTOR	2
38.	32000891	WINCH CORD BOOT (ADDED S/N 4320)	2
46.	32000342	A-2-B REEL	1
47.	32000707	LOAD BLOCK PULLEY BUSHING, 3-TON	3
49.	32000189	CORD GRIP	1
50.	32000698	WIRE ROPE PULLEY, 7.50	3
51.	32000568	PIN, THRUST TUBE LOCKING	4
52.	32000476	3/8" LOCK WASHER	4
53.	32000077	HEX BOLT, 3/8-16 X 1/2"	2
54.	32000725	BOOM RETAINER	1
55.	32000727	WEAR PAD 3.00 x 3.00 x .50	1
56.	32000584	LOCKING PIN	1
57.	32000425	SPRING COTTER PIN, 1"	1
58.	32000465	THRUST TUBE PIN 3"	1
59.	32000363	SNAP RING, 1"	2

32000724 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
60.	32000481	NYLTRN, WEAR PAD	2
61.	32000248	VELOCITY FUSE	1
62.	32000572	GREASE ZERK INSERT	2
63.	32000331	PLUG, 6SAE ALLEN HEAD (WAS 32000309 THRU S/N 4319)	1
64.	32000428	1/4 MJIC x 3/8 M ORING	2
65.	32000203	BOOM ANGLE INDICATOR KIT	1
66.	32000701	HOIST BLOCK	8
67.	32000803	NUT, JAM 1/2-13	1
68.	32000718	BOLT, HEX HD, 1-8 x 5.50 GR 8	1
69.	32000709	3T LOAD BLOCK HOOK PIN	1
70.	32000537	QUICK PIN	4
71.	32000708	T3 LOAD BLOCK SPACER	2
73.	32000616	PLUG, 7/8 FLUSH BUTTON	1
74.	32000571	WASHER, LOCK, M12	8
75.	32000372	SCREW, TEK, #10 x .75	2
77.	32000694	NUT, CONDUIT CONNECT 1/2"	1
79.	32000471	WASHER, FLAT, 1/4 (WAS 4)	2
80.	32000726	INTERMEDIATE PAD RETAINER	1
81.	32000693	PLUG, SHEAVE HEAD (WAS 2 THRU S/N 4319)	1
83.	32000710	SHEAVE HEAD PIN	1
-	32000714	DECAL PACK	1
REV 20080815 S/N # 4370			

Boom Assembly (32000724) (Eff S/N 3970)

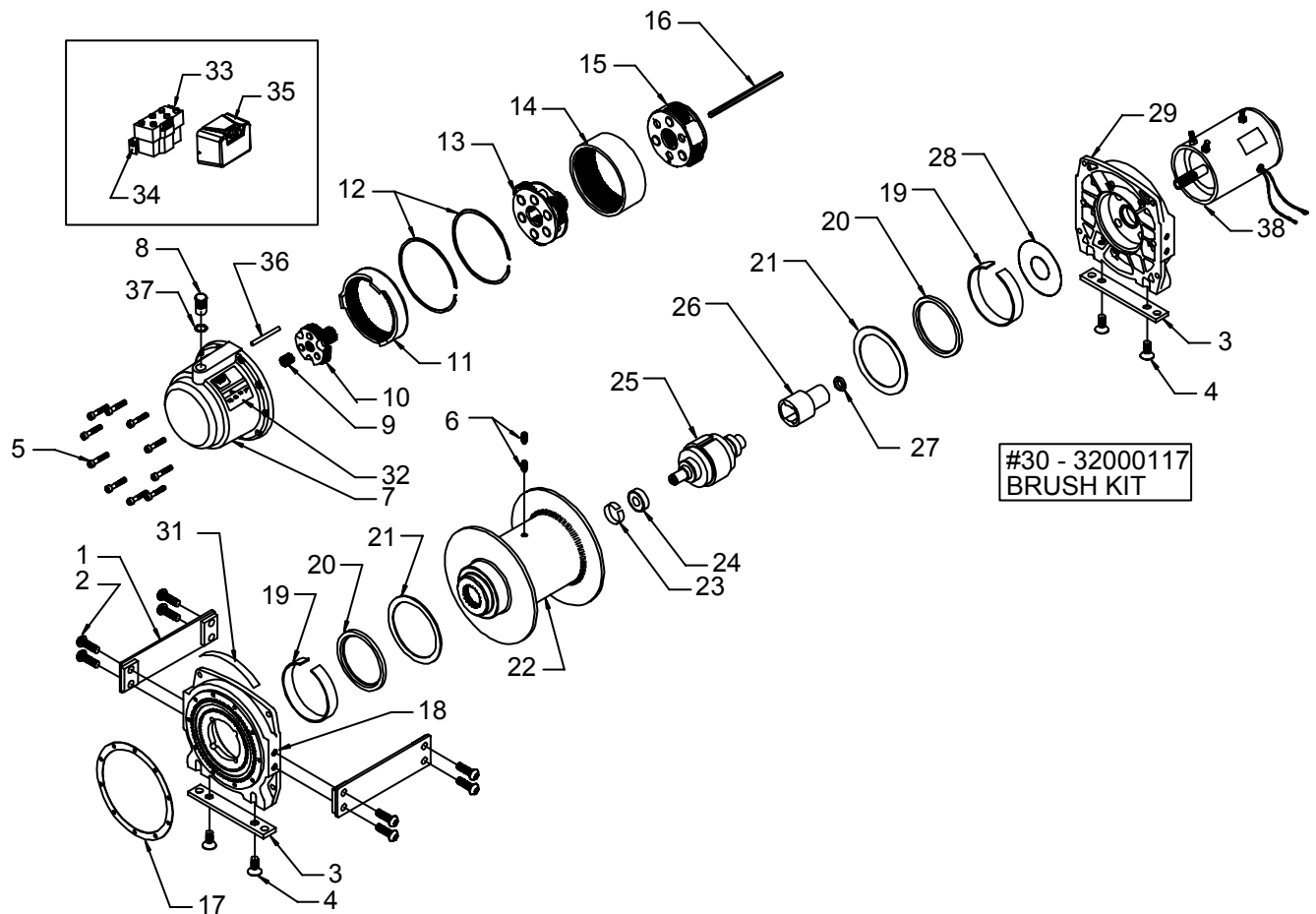


32000724 (S/N 3970) PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000196	COVER 12V (LF/MF)	1
2.	32000180	CONTACTOR-12V (LF/MF)	1
3.		-	-
4.	32000801	WINCH, DC4000 - 12V	1
5.	32000711	OUTER BOOM	1
6.	32000486	NYTRN, WEAR PAD	1
7.	32000699	CABLE, 3/8 X 120"	1
8.	32000410	NYTRN, WEAR PAD 1/2x4.0x3.0	1
9.	32000096	BOOM PAD RETAINER	1
10.	32000800	HYDRAULIC EXT. CYLINDER	1
11.	32000696	HYD HOSE, 1/4" 4FJIC x 4FJIC 25"	2
12.		-	-
13.		-	-
14.		-	-
15.	32000719	BOLT, HEX 1-8x4.00 grd 5	2
16.	32000702	L6 BOOM SLIDE SPACER	2
17.	32000703	SHEAVE SPACER, Ø8.50	1
18.	32000713	ANTI-2 BLOCK	1
19.	32000705	3T LOAD BLOCK SIDE PLATE	2
20.	32000437	SWIVEL HOOK,3-TON	1
21.	32000720	BOLT, HEX HD 1/2-13 x 3.25 grd 5	2
22.	32000706	3T LOAD BLOCK HOOK LINK	2
23.	32000284	NUT, NYLON LOCK, 1/2-13	2
24.	32000473	1/2" LOCK WASHER	2
25.	32000712	INNER BOOM	1
26.	32000716	HEX BOLT, 1/2-13 X 3/4"	2
27.	32000721	SOCKET HEAD BOLT, M12 - 1.75 x 45mm	4
28.	32000469	WASHER, LOCK 1/4	2
29.	32000070	BOLT, HEX HD, 1/4-20 x 1/2	2
30.	32000796	PAN HEAD SCREW 10-24 X 1/2"	2
31.	32000072	BOLT, HEX, 1"-8 X 8",Grd 8 PLTD	1
32.	32000289	NUT, NYLON LOCK 1"-8, PLTD	4
33.	32000146	CABLE, GROUND 36"	1
34.	32000297	NYLON GROMMET, 1"	1
35.	32000145	CABLE, WINCH MOTOR	2
36.		-	-
37.		-	-
38.		-	-
39.		-	-
40.	32000122	A-2-B WEIGHT, ROLLER BUSHING	1
41.	32000573	BOLT, HEX, 1/4-20 x 3.50	1
42.	32000229	EYE BOLT, E-1 BENT	1
43.	32000285	HEX NUT, 1/4-20	1
44.	32000728	A-2-B-SHEAVE BUSHING	1
45.	32000488	A-2-B WEIGHT	1
46.	32000342	A-2-B REEL	1
47.	32000707	3T LOAD BLOCK PULLEY BUSHING	3
48.	32000435	A-2-B MAGNETIC SWITCH	1
49.	32000189	CORD GRIP	1
50.	32000698	WIRE ROPE PULLEY, 7.50	3
51.		-	-
52.		-	-
53.		-	-

32000724 (S/N 3970) PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
54.		-	-
55.		-	-
56.		-	-
57.		-	-
58.	32000704	PIN, EXT CYL ROD END	1
59.	32000363	SNAP RING, 1"	2
60.	32000481	NYLTRN, WEAR PAD	1
61.	32000248	VELOCITY FUSE	1
62.	32000572	GREASE ZERK INSERT	2
63.	32000309	M O-RING, PLUG	1
64.	32000428	1/4 MJIC x 3/8 M ORING	2
65.	32000203	BOOM ANGLE INDICATOR KIT	1
66.	32000701	HOIST BLOCK	8
67.		-	-
68.	32000718	BOLT, HEX HD, 1-8 x 5.50 grd 8	1
69.	32000709	3T LOAD BLOCK HOOK PIN	1
70.	32000537	QUICK PIN	4
71.	32000708	3T LOAD BLOCK SPACER	2
72.	32000722	SCREW, SLOT RD HD, 6-32 x .50	2
73.	32000616	PLUG, 7/8 FLUSH BUTTON	1
74.	32000571	WASHER, LOCK, M12	8
75.	32000372	SCREW, TEK, #10 x .75	2
76.	32000294	NUT, HEX 6-32	2
77.	32000694	NUT, CONDUIT CONNECT 1/2"	1
78.	32000286	NUT, NYLON LOCK, 1/4-20	3
79.	32000471	WASHER, FLAT, 1/4	4
80.		WASHER, FLAT, 1/2	2
81.	32000693	PLUG, L6 SHEAVE HEAD	2
82.	32000717	BOLT, HEX 1/4-20 x 3.00	2
83.	32000710	SHEAVE HEAD PIN	1
-	32000714	DECAL PACK L6	1
S/N 3970			

Winch, 12V (32000863)

Replaced 32000700 effective July 2008.

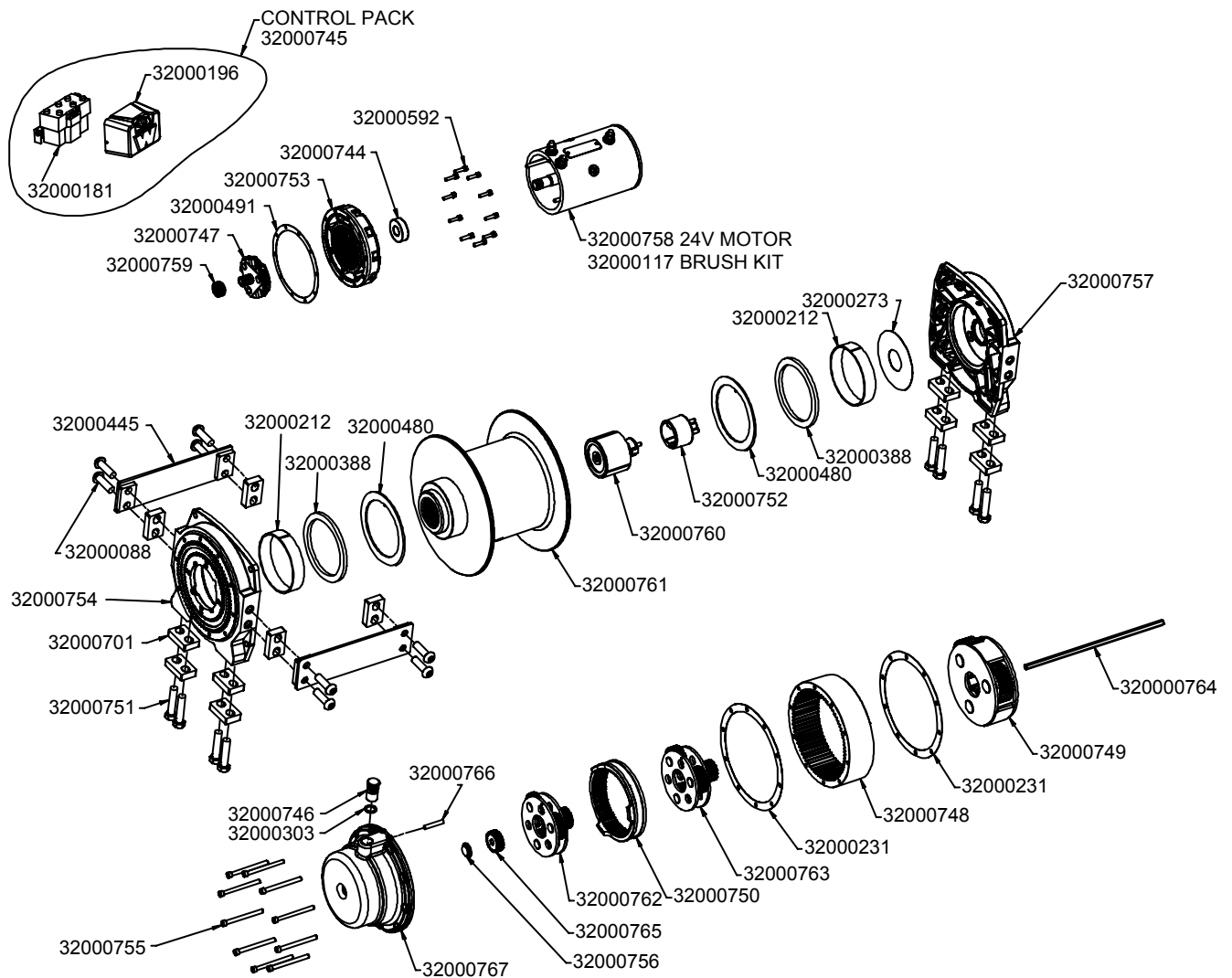


WINCH PARTS LIST (32000863)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000445	TIE BAR	2
2.	32000088	SOCKET HEAD BOLT, M12, 1.75X	8
3.	32000281	MOUNT BRACKET	2
4.	32000089	SOCKET HEAD BOLT, M12, 1.75X3	4
5.	32000087	HEX BOLT, END HOUSING	10
6.	32000385	SET SCREW	2
7.	32000224	END HOUSING	1
8.	32000176	CLUTCH BLOCK-OUT	1
9.	32000432	SUN GEAR	1
10.	32000172	CARRIER ASSEMBLY, OUTER	1
11.	32000357	RING GEAR, OUTER	1

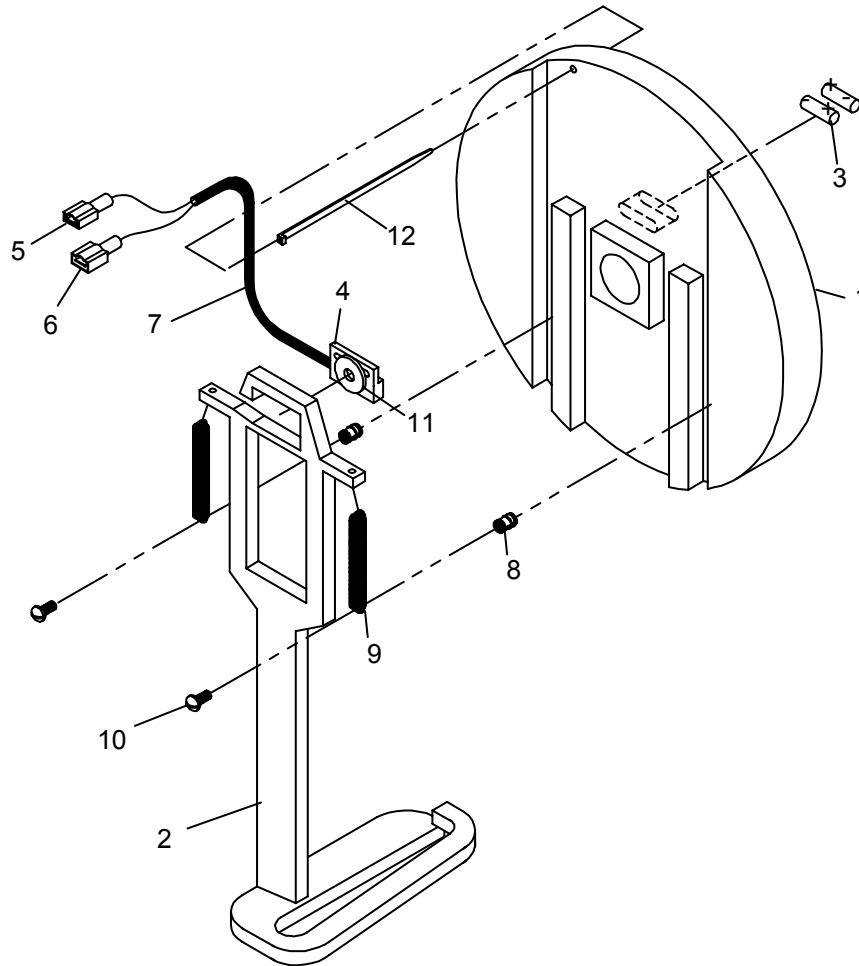
WINCH PARTS LIST (32000863)			
ITEM	PART #	DESCRIPTION	QUANTITY
12.	32000263	KEEPER RING	2
13.	32000171	CARRIER ASSEMBLY, INTERMEDIATE	1
14.	32000355	RING GEAR	1
15.	32000170	CARRIER ASSEMBLY, INNER	1
16.	32000391	HEX SHAFT	1
17.	32000231	GASKET	1
18.	32000214	DRUM SUPPORT, CARRIER END	1
19.	32000212	DRUM BUSHING	2
20.	32000388	SEAL	2
21.	32000480	THRUST WASHER	2
22.	32000210	DRUM	1
23.	32000118	BUSHING	1
24.	32000111	BRAKE BEARING	1
25.	77566637	BRAKE ASSEMBLY	1
26.	32000195	COUPLER	1
27.	32000420	MOTOR SPACER	1
28.	32000273	MASK, DUST	1
29.	32000216	DRUM SUPPORT, MOTOR END	1
30.	32000117	BRUSH KIT	1
31.	32000267	LABEL, DRUM DIRECTION	1
32.	32000268	LABEL, WARNING	1
33.	32000181	CONTACTOR	1
34.	32000104	CONTACTOR BRACKET	1
35.	32000196	CONTACTOR COVER	1
36.	32000177	CLUTCH PIN	1
37.	32000303	O-RING	1
38.	73540402	MOTOR 12V	1

Winch, 24V (32000700)

Replaced by 32000863 effective July 2008.



Anti-Two-Block Assembly (32000877)

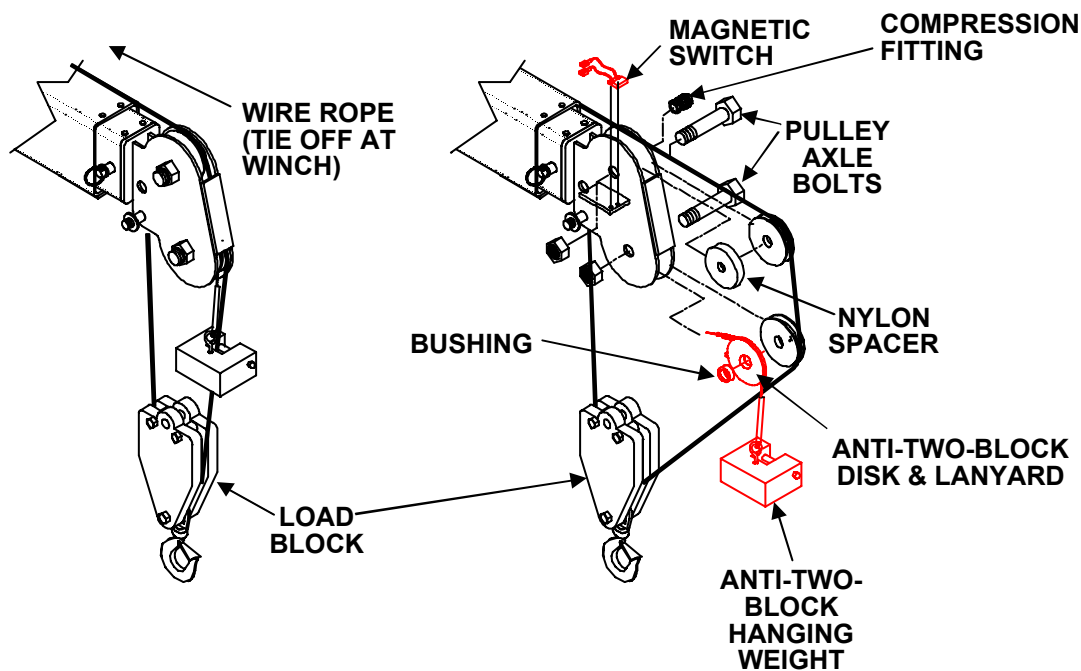


ANTI-TWO-BLOCK ASSEMBLY PARTS LIST (32000877)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000878	DISK	1
2.	32000879	SWITCH ARM	1
3.	32000270	MAGNET 1/4 X 3/4	2
4.	32000435	MAGNET SWITCH	1
5.	32000873	TERMINAL, FEM INSULATED	1
6.	32000769	TERMINAL, MALE INSULATED	1
7.	32000877	SHRINK TUBE, 3/16"	4"
8.	32000875	THREADED INSERT, 8-32	2
9.	32000426	SPRING	2
10.	32000383	SCREW, ROUND HD SLOT, 8-32 X 3/8	2
11.	32000471	WASHER, FLAT 1/4"	1
12.	32000888	WIRE TIE, 1 X 4"	1
REV. 20080214			

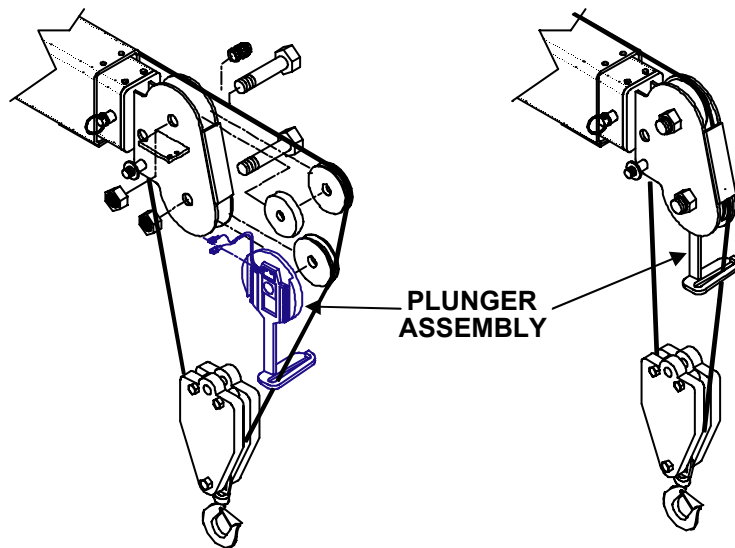
Anti-Two-Block Conversion from Hanging Weight to Plunger

NOTE: Cranes manufactured after January 2008 use the plunger anti-two-block design. The hanging-weight anti-two-block design has been discontinued. If your crane uses the hanging-weight design and your anti-two-block system requires repair, the system must be converted to the plunger design.

Removing Hanging-Weight Anti-Two-Block Parts:

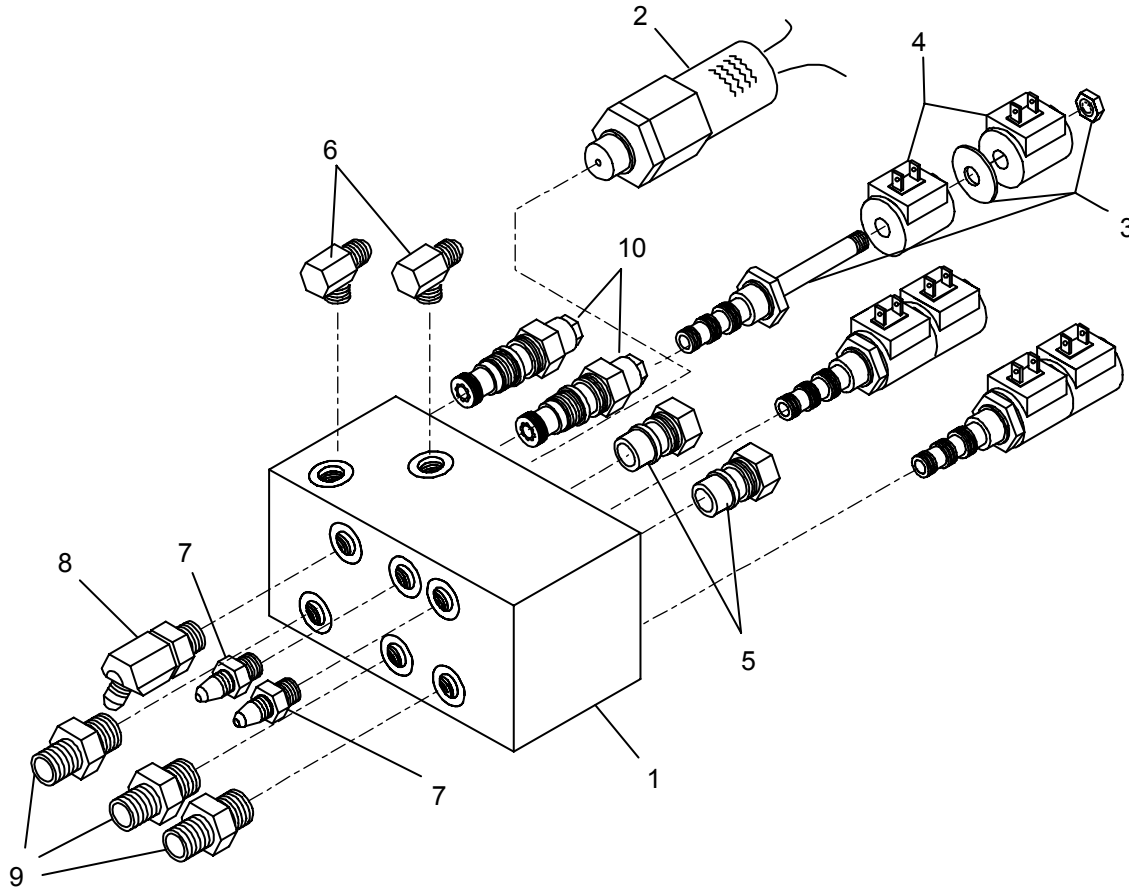


- 1 Secure the wire rope at the winch to preserve the wraps and prevent backlash. Remove the load block or support it to take the tension off the rope.
- 2 Loosen and remove the pulley axle bolts and nuts, pulleys, nylon spacer, anti-two-block disk with lanyard, stop, and spring, and bushing. Save the pulleys, bolts, and nuts but discard the anti-two-block disk and weight.
- 3 Loosen the nut on the compression fitting on the left side of the boom and pull enough wire through so you can unplug and remove the magnetic switch. Discard the magnetic switch.

Installing Plunger Anti-Two-Block Parts:

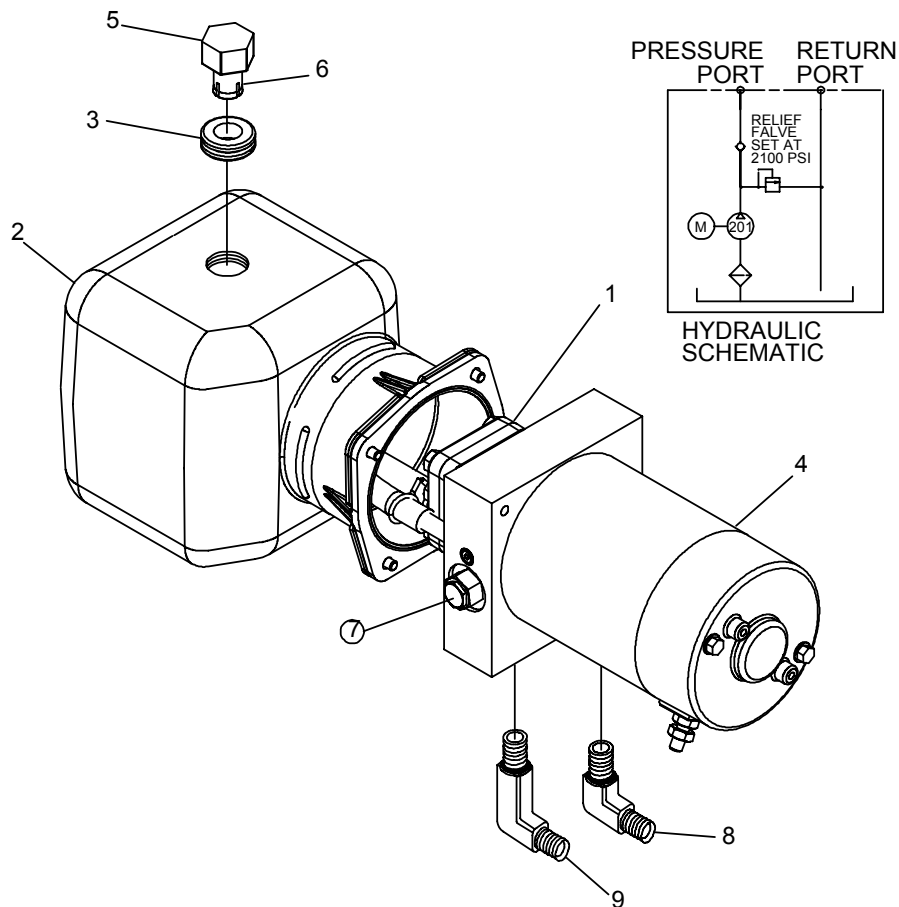
- 1 Connect the new magnetic switch on the plunger assembly to existing wire connections.
- 2 Install the lower pulley axle bolt far enough to support the lower pulley, but not far enough to interfere with sliding the plunger assembly up in place beside the lower pulley.
- 3 Put the lower pulley in place. Lay the wire rope in the lower pulley. Slide the plunger assembly into place. Make sure the magnetic switch stays in its slot and the wires are not caught between the plunger and pulley or the plunger and steel side of the boom sheave plate.
- 4 Push the lower pulley axle bolt through and install the nut. Do not overtighten! Hand tighten until snug.
- 5 Pull the excess wire (running to the switch) through the compression fitting. Leave just enough excess to allow the plunger assembly to rotate to the rear without pulling on the wires. Re-tighten the compressor fitting.
- 6 Reinstall the upper pulley, nylon spacer, upper pulley axle bolt, and nut. Do not overtighten the nut! Make sure the wire rope lays in the upper pulley.
- 7 Thread the wire rope through the shoe of the plunger assembly. Hang the load block.
- 8 Test anti-two-block system before returning the crane to service.

Hydraulic Manifold Assembly, 6006i (32000686)



HYDRAULIC MANIFOLD PARTS LIST (32000686)			
ITEM	PART #	DESCRIPTION	QTY
1.	32000257	HYDRAULIC MANIFOLD	1
2.	32000031	PRESSURE SWITCH	1
3.	32000030	DIRECTIONAL VALVE CARTRIDGE	3
4.	32000415	SOLENOID COIL, 10V	6
5.	32000173	CAVITY PLUG	2
6.	32000219	ELBOW, 4MSAE X 4MJIC	2
7.	32000544	O-RING #4MSAE #4MJIC	2
8.	32000731	CONNECTOR, 45° 4SAE X 4MJIC	1
9.	32000052	#6MJIC #6MO-RING	3
10.	32000194	COUNTERBALANCE VALVE	2

Hydraulic Power Unit (32000953) (Eff. S/N 4338)

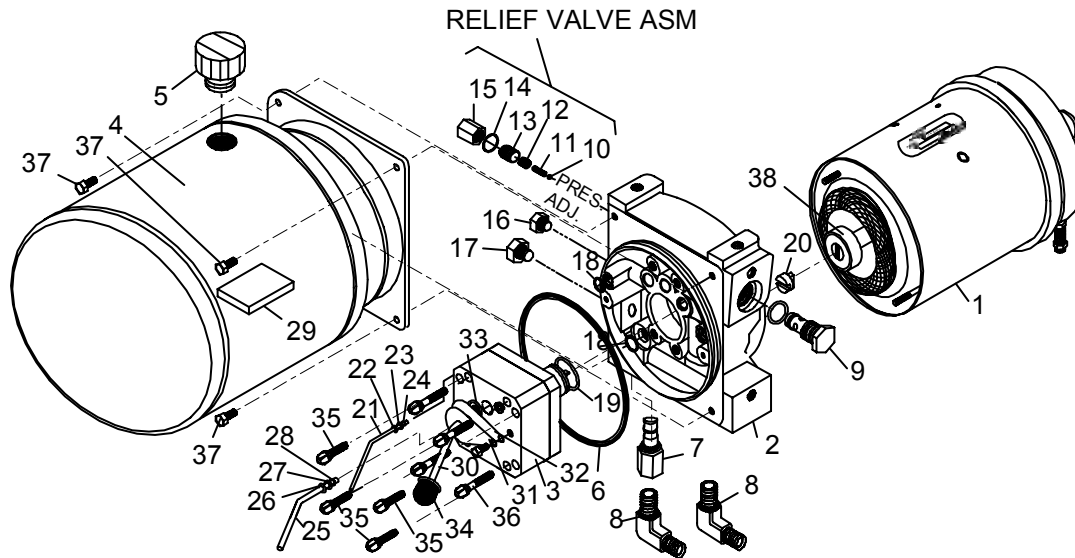


32000953 PARTS LIST

ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000954	PUMP	1
2.	32000910	RESERVOIR, 1-GAL PLASTIC	1
3.	32000892	RUBBER GROMMET	1
4.	32000029	MOTOR, 12VDC STANDARD DUTY	1
5.	32000893	BREATHING CAP	1
6.	32000894	INLET FILTER	1
7.	32000923	RELIEF VALVE	1
8.	32000559	ELBOW, M-JIC M-ORING 90DEG 6-6	1
9.	32000911	ELBOW, M-JIC M-ORING 90DEG 6-6 LL	1
REV 20091008			

IF YOUR CRANE SERIAL NUMBER IS 4337 OR LOWER, YOUR POWER UNIT ASSEMBLY 32000515 IS NO LONGER AVAILABLE. PLEASE ORDER 32000953 TO REPLACE IT.

Hydraulic Power Unit (32000515) (Through S/N 4337)



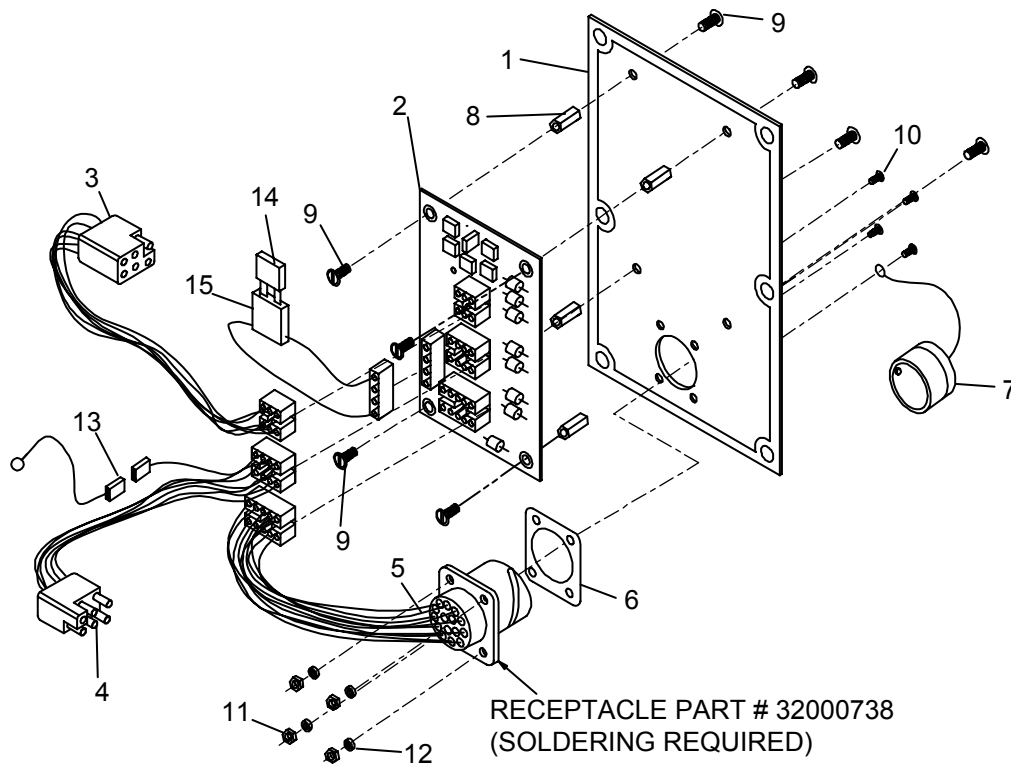
NOTE:

EFFECTIVE 10-1-2009, ITEM #3 - 32000233, GEAR PUMP KIT, AND REFERENCE ITEM - 32000337, PUMP, ARE NO LONGER AVAILABLE. IF YOU NEED EITHER OF THOSE COMPONENTS, YOU MUST PURCHASE THE COMPLETE POWER UNIT, 32000902 FOR A 3203i OR 4004i CRANE, OR 32000953 FOR A 5005i OR 6006i CRANE.

HYDRAULIC POWER UNIT PARTS LIST (32000515)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000029	MOTOR, HYD PUMP, 12V	1
2.	32000338	PUMP ADAPTER	1
3.	32000233	GEAR PUMP KIT	1
4.	32000026	RESERVOIR, 1 GAL WELDED	1
5.	32000028	CAP, BREATHER 3/8 NPT	1
6.	32000027	O-RING FOR 1 GAL WELDED RESV	1
7.	32000333	PORT PLUG KIT	1
8.	32000559	ELBOW, 6MSAE X 6MJIC	2
9.	32000174	CHECK VALVE ASSY	1
10.	32000389	SEAL, BALL	1
11.	32000423	SPRING	1
12.	32000427	SPRING, HIGH PRESSURE	1
13.	32000384	SCREW, ADJUSTING	1
14.	32000387	SEAL	1
15.	32000296	NUT, HEX CAP	1
16.	32000308	O-RING PLUG #4	1
17.	32000309	O-RING PLUG #6	1
18.	32000304	O-RING 1/4"	2

HYDRAULIC POWER UNIT PARTS LIST (32000515)			
19.	32000311	O-RING, PUMP TO ADAPTER	1
20.	32000339	PUMP COUPLING	1
21.	32000455	TUBE, RETURN, RELIEF VALVE	1
22.	32000307	O-RING FOR RETURN TUBE	1
23.	32000360	RING, PUSH-ON RING, RET. TUBE	1
24.	32000398	SHIM FOR RETURN TUBE	1
25.	32000453	TUBE, RETURN	1
26.	32000466	WASHER	1
27.	32000359	RING, PUSH-ON	1
28.	32000302	O-RING	1
29.	32000271	MAGNET, RESERVOIR	1
30.	32000450	TUBE, INLET	1
31.	32000353	RETAINER, LOCKING	1
32.	32000310	O-RING RETAINER	1
33.	32000306	O-RING FOR INLET TUBE	1
34.	32000430	STRAINER	1
35.	32000068	BOLT, 1/4-20 X 1.25 TORX HD	4
36.	32000069	BOLT, 1/4-20 X 2 TORX HD	4
37.	32000070	BOLT, 1/4-20 X 1/2"	4
38.	32000056	BEARING, BALL	1
REF	32000337	PUMP (EXCL. 1,7,8)	1
REV 20080129 S/N 3624B			

Quik-Turn Control Module (32000682)

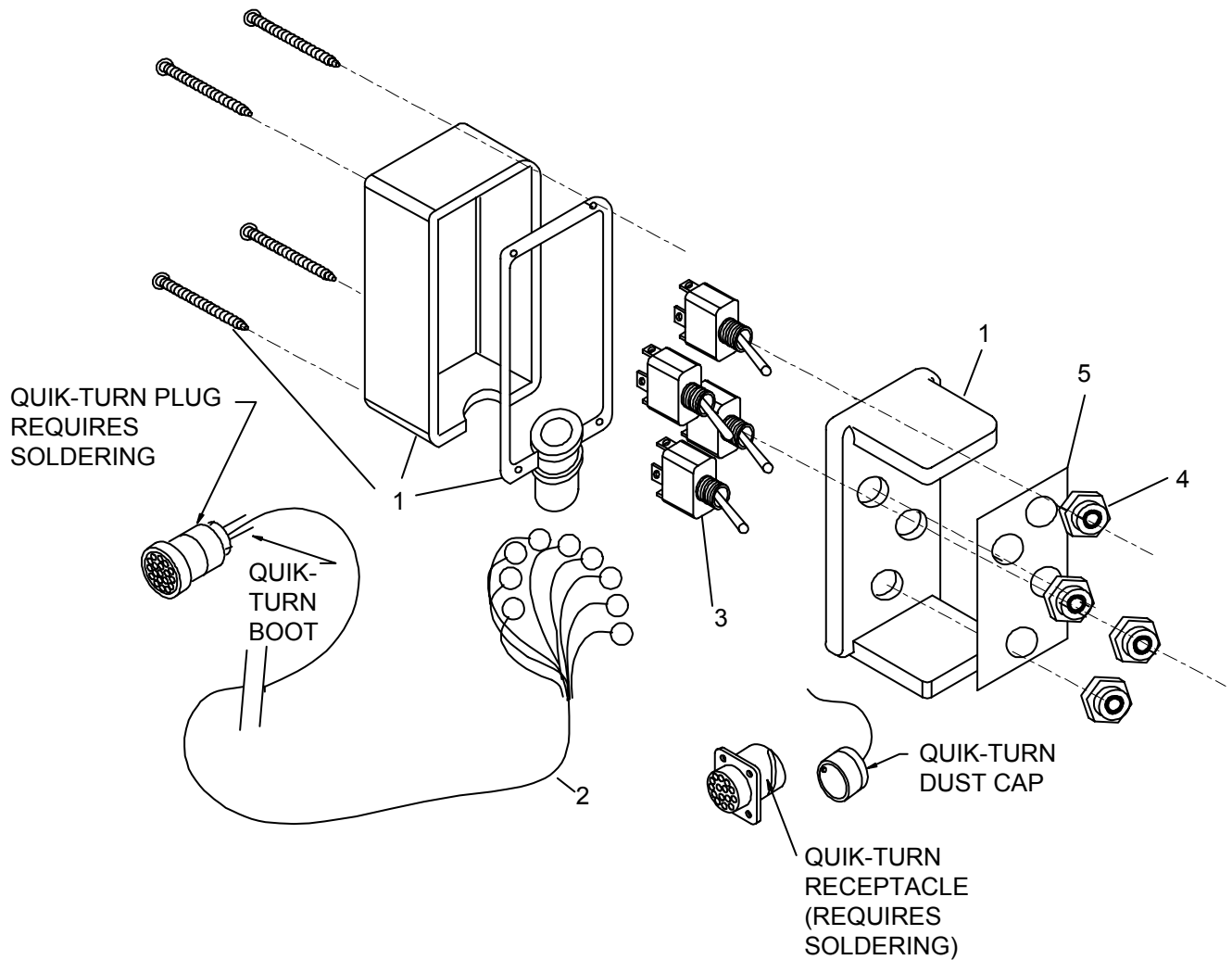


QUIK-TURN CONTROL MODULE (32000682)			
ITEM	PART #	DESCRIPTION	QTY
1.	32000183	CONTROL MODULE LID	1
2.	32000948	CIRCUIT BOARD, CONTROL MODULE (SEE NOTES)	1
3.	32000733	HARNESS, CONTROL BOARD, 6-PIN	1
4.	32000734	HARNESS, CONTROL BOARD, 8-PIN	1
5.	32000735	HARNESS, CONTROL BOARD, 10-PIN	1
6.	32000232	GASKET, QUIK-TURN, 11-PIN	1
7.	32000038	CAP, DUST, QUIK TURN	1
8.	32000283	NUT 1/4" HEX STANDOFF NUT 6-32X.50	4
9.	32000380	SCREW, 6-32 X .25 RDHD	8
10.	32000381	SCREW, 6-32 X .5 RDHD	4
11.	32000294	NUT, 6-32 HEX	4
12.	32000472	WASHER, LOCK #6	8
13.	32000184	CONTROL MODULE, GROUND JUMPER	1
14.	32000736	CIRCUIT BREAKER, 10-AMP	1
15.	32000737	HARNESS, FUSE HOLDER, CONTROL BOARD	1
REV. 20090316			

CIRCUIT BOARD REPLACEMENT NOTES:

- 1 CIRCUIT BOARD 32000175 REPLACED BY CIRCUIT BOARD 32000948 EFFECTIVE S/N 4440.
- 2 CRANES WITH SERIAL NUMBERS FROM 2414 - 3707 ALSO MUST PURCHASE 1-EACH OF FUSE HARNESS 32000949, FUSE 32000736, AND 10-PIN HARNESS 32000950.
- 3 CRANES WITH SERIAL NUMBERS FROM 3708 - 4439 ALSO MUST PURCHASE 1-EACH OF 10-PIN HARNESS 32000950.

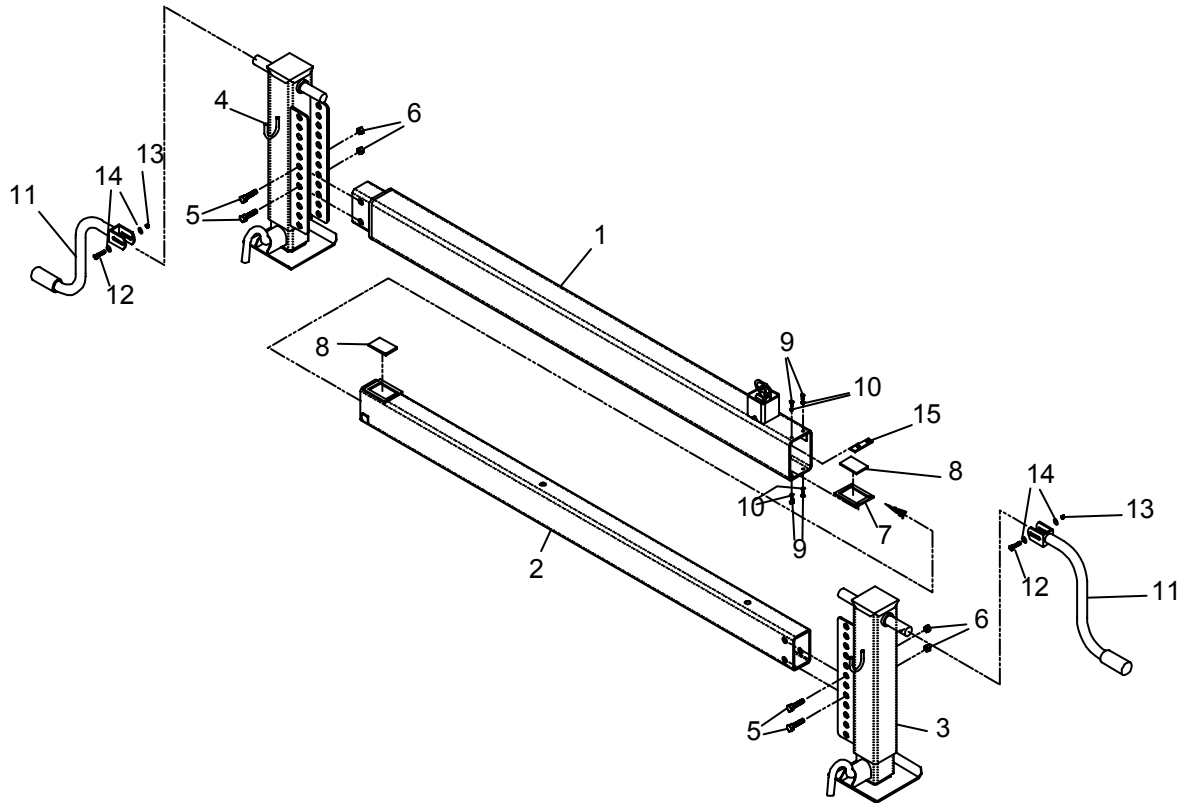
Quik-Turn Remote Pendant (32000034)



32000034 PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
1.	32000318	PENDANT BOX	1
2.	32000193	CORD/PLUG, QUIK TURN, 25'	1
3.	32000447	TOGGLE SWITCH, SPDT	4
4.	32000434	SWITCH BOOT, NEOPRENE	4
5.	32000204	DECAL, QUIK TURN	1

Outrigger, Single Pull Side Crank (32000018)



32000018 PARTS LIST

ITEM	PART #	DESCRIPTION	QUANTITY
1.	32000912	OUTER TUBE WELDMENT	1
2.	32000913	INNER TUBE WELDMENT	1
3.	32000914	LEFT HAND JACK WELDMENT	1
4.	32000915	RIGHT HAND JACK WELDMENT	1
5.	32000916	BOLT, HEX 3/4-10 X 4-1/2	4
6.	32000600	NUT, HEX 3/4-10 GR 8	4
7.	32000529	PAD RETAINER	1
8.	32000481	WEAR PAD	2
9.	32000070	BOLT, HEX 1/4-20 X 1/2	4
10.	32000469	LOCK WASHER 1/4	4
11.	32000917	JACK HANDLE	2
12.	32000918	BOLT, HEX 3/8-16 X 2-1/2	2
13.	32000292	NUT, HEX 3/8-16	2
14.	32000470	FLAT WASHER 3/8	4
15.	32000482	BOOM RETAINER	1
REV 20080513			