

Product: 2004 Terex BT2000 Boom Trucks Workshop Parts Manual  
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**PARTS MANUAL**

**BT2000**

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**12261-293**

# BT2000 BOOM TRUCKS

## Parts Manual

### INTRODUCTION

This **TEREX CRANES** Parts manual is supplied to aid you in the location and correct identification of component parts replacement and is based upon **TEREX CRANES** assembly standards at the time of manufacture.

The **TEREX CRANES** parts manual will enable you to maintain your unit according to manufacturer's recommendations. This unit is not to be altered or modified in any way without prior factory approval.

#### NOTICE

If this boom truck becomes involved in an accident resulting in property damage or personal injury, please contact your local **TEREX CRANES** dealer or the **TEREX CRANES** service department at (319) 352-3920 **IMMEDIATELY**.

All illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. Right is reserved to make changes at any time, without notice, in specifications, material and descriptions.

**MADE IN THE U.S.A.**

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This manual is delivered for the sole purpose of operating and maintaining specific equipment for its intended use and shall not be copied or information contained herein delivered to third parties without prior written approval of **TEREX CRANES**.

 **TEREX CRANES**

Waverly, Iowa

# INSTRUCTIONS FOR ORDERING PARTS

When ordering parts, contact your nearest Terex Cranes distributor and give the following information to assure prompt service:

## MACHINE IDENTIFICATION:

State the model and serial number, located on a plate on the turret on the driver's side.



## PART IDENTIFICATION:

State the part number, description and quantity required. Do not use the item number. Avoid using the words "Pairs" or "Sets".

<u>REF.</u>	<u>PART.NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	707 6594	Gear .....	1

## SHIPPING INSTRUCTIONS:

State the invoicing address. Unless otherwise specified, invoices will be mailed to the shipping address.

State the correct shipping address and the means of shipment: parcel post, air mail, air freight, UPS, bus, etc.

**INVOICE TO:**  
Mid State Equipment  
Milwaukee, WI

**SHIP TO:**  
Ace Construction Co.  
Madison, WI

# USING THIS PARTS BOOK

This Parts Manual has been designed for optimum ease of reading and is the key to Customer-Distributor-Factory communication. Genuine replacement parts, along with interchangeable product improvements as they become available, will keep your machine in a reliable and productive condition.

The following instructions describe the features of the manual and how to use it effectively.

Use this manual also as a supplement to the Operator's Manual and Maintenance Manual when performing service procedures on the machine.



## IMPORTANT

This manual lists serviceable parts for **EVERY** machine built of this model designation. Serial numbers are used to identify parts when a product improvement is made or an alternate component is used. **KNOW THE SERIAL NUMBER OF YOUR MACHINE** before searching for replacement parts.

The **PARTS GROUP INDEX** shows the functional arrangement of associated parts for the machine. A group number identifies the same group of parts regardless of model (Group 25 is always the hydraulic system). The groups which apply to the machine are listed in numerical order. A letter suffix to a group number, 25A, is used for variable or optional parts groups.

**PAGE NUMBERS** are in numerical sequence within each parts group. The first number is the group number and the second number is the numerical sequence number. Letter suffixes are used to maintain continuity to the manual as revisions are incorporated (1.1, 1.2, 1.2A, 1.2B, 1.3, etc.).

**EXPLODED VIEW ILLUSTRATIONS** show the relationship of assembled parts. The illustrations are keyed to an accompanying parts list on the same page or on the facing page and are positioned for ease in reading the manual.



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## BT2000

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# **TEREX PARTS GROUPS**

## BT2000

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# **TEREX PARTS GROUPS**

## BT2000

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# **TEREX PARTS GROUPS**

## BT2000

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**02 CARRIER FRAME**



**Truck Chassis**

Refer to Truck Chassis manufacturer (Ford, Freightliner, Sterling, etc.) for truck repair/replacement parts.

RECORD VEHICLE/MACHINE INFORMATION BELOW FOR USE WHEN ORDERING PARTS

Truck Chassis Manufacturer _____ Model _____	Comments
Boom Truck Model No. _____ Serial No. _____	Comments
Optional Equipment _____	Comments

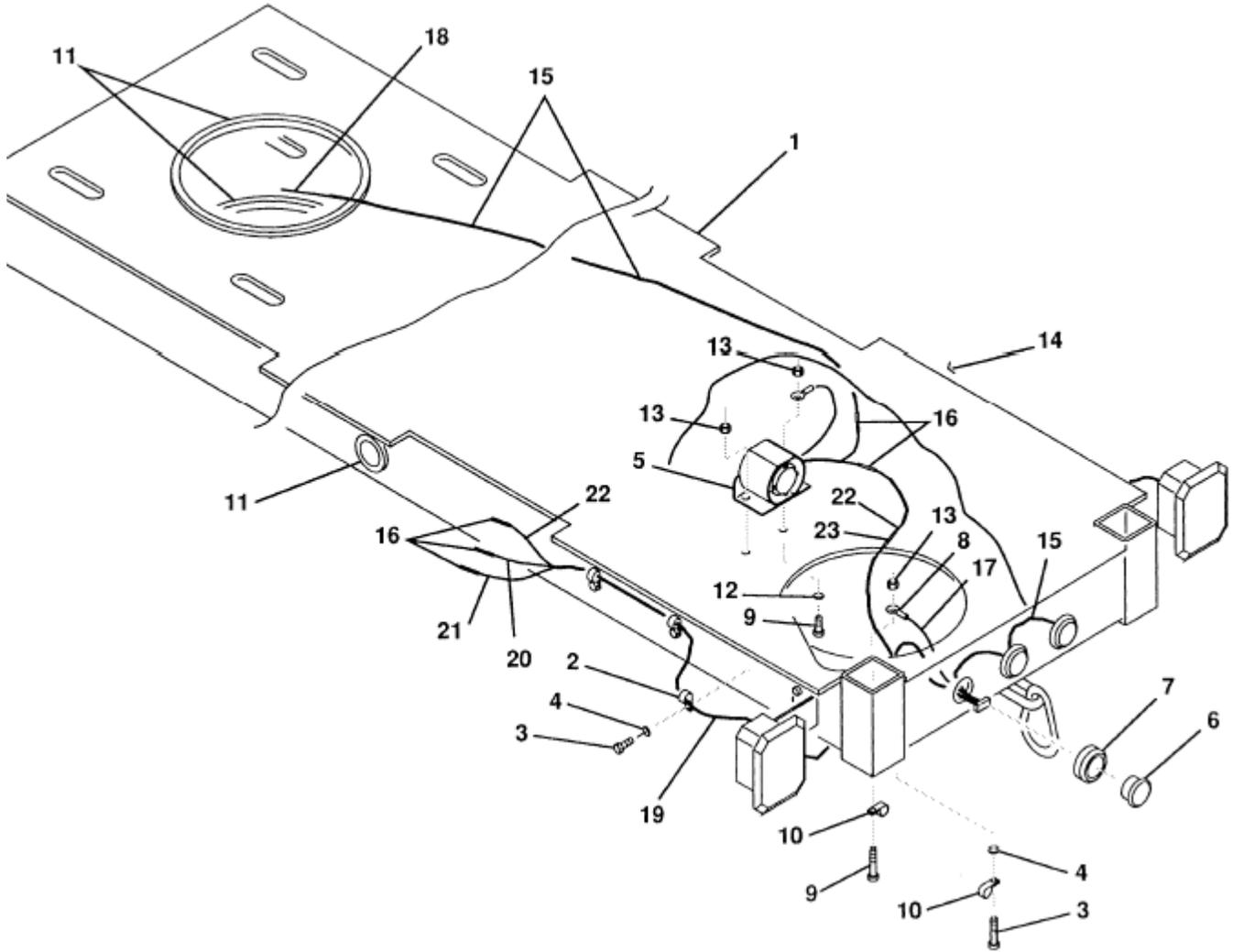
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**TRUCK CHASSIS**

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
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**GROUP  
02**



**Sub-Frame Installation**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1*	701-00474	Sub-Frame - Weldment, 16 Ft (2047/2057)					
	701-00718	Sub-Frame - Weldment, 16 Ft (2857)					
2	201-00142	Clamp - Tube 1/4 x 1/2.....	8	13	221-90001	Nut, HH Top Lock 1/4UNC.....	3
3	223-15213	Bolt 1/4UNC x 3/4" Long .....	9	14	400-01375	Wire - 16Ga Green.....	8'
4	222-10005	Washer - Lock 1/4 .....	9	15	400-01411	Loom - Wire 1/4 I.D.....	35"
5	400-05130	Horn - Outrigger & Backup .....	1	16	400-02202	Connector - Terminal Butt.....	1
6	400-09094	Light.....	3	17	400-01248	Harness - Electrical ID Lights.....	1
7	400-09291	Grommet .....	3	18	400-01389	Wire - 16Ga Blue .....	26'
8	400-02298	Ring - Terminal 1/4.....	2	19	400-01412	Wire - Loom 3/8 I.D.....	8'
9	220-00003	Bolt 1/4UNC x 3/4" Long .....	3	20	400-01377	Wire - 16Ga Yellow .....	8'
10	201-00141	Clamp 1/4 x 5/16 .....	2	21	400-01378	Wire - 16Ga Black.....	8'
11	209-00174	Trim - Seal.....	10'	22	400-01374	Wire - 16Ga Brown .....	11'
12	222-00006	Washer - Flat 1/4.....	2	23	400-02226	Connector, Terminal Butt.....	1

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED

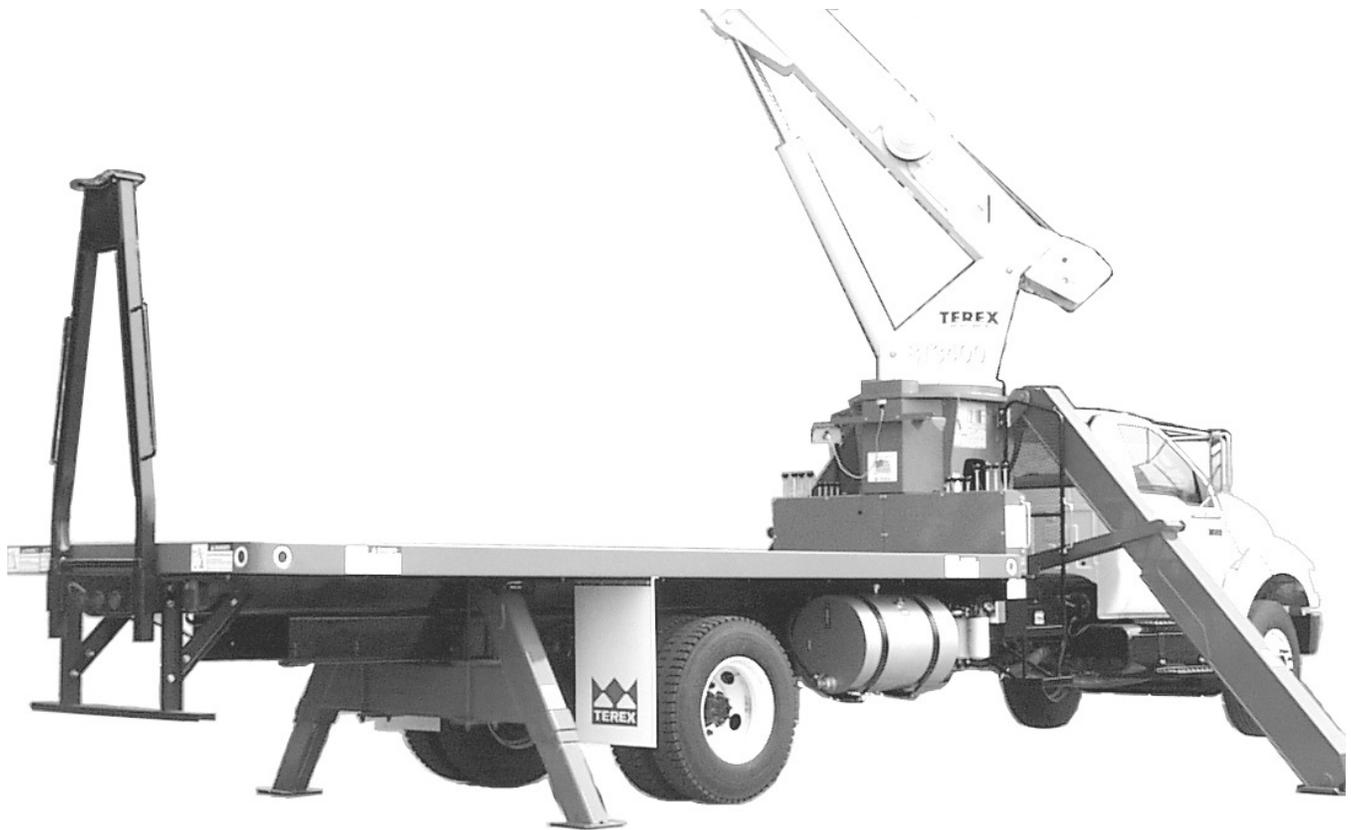


**TEREX**

**SUBFRAME INSTALLATION**

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**GROUP  
02**



**Sub Frame/Flatbed Options**

PART NUMBER	SUBFRAME & FLATBED OPTION
696-00009	16' Wood Flatbed, (RM)
696-00010	16' Steel flatbed, (RM)
696-00014	16' Steel, Super duty
FBG-1602	16' Steel/Wood, Super Duty

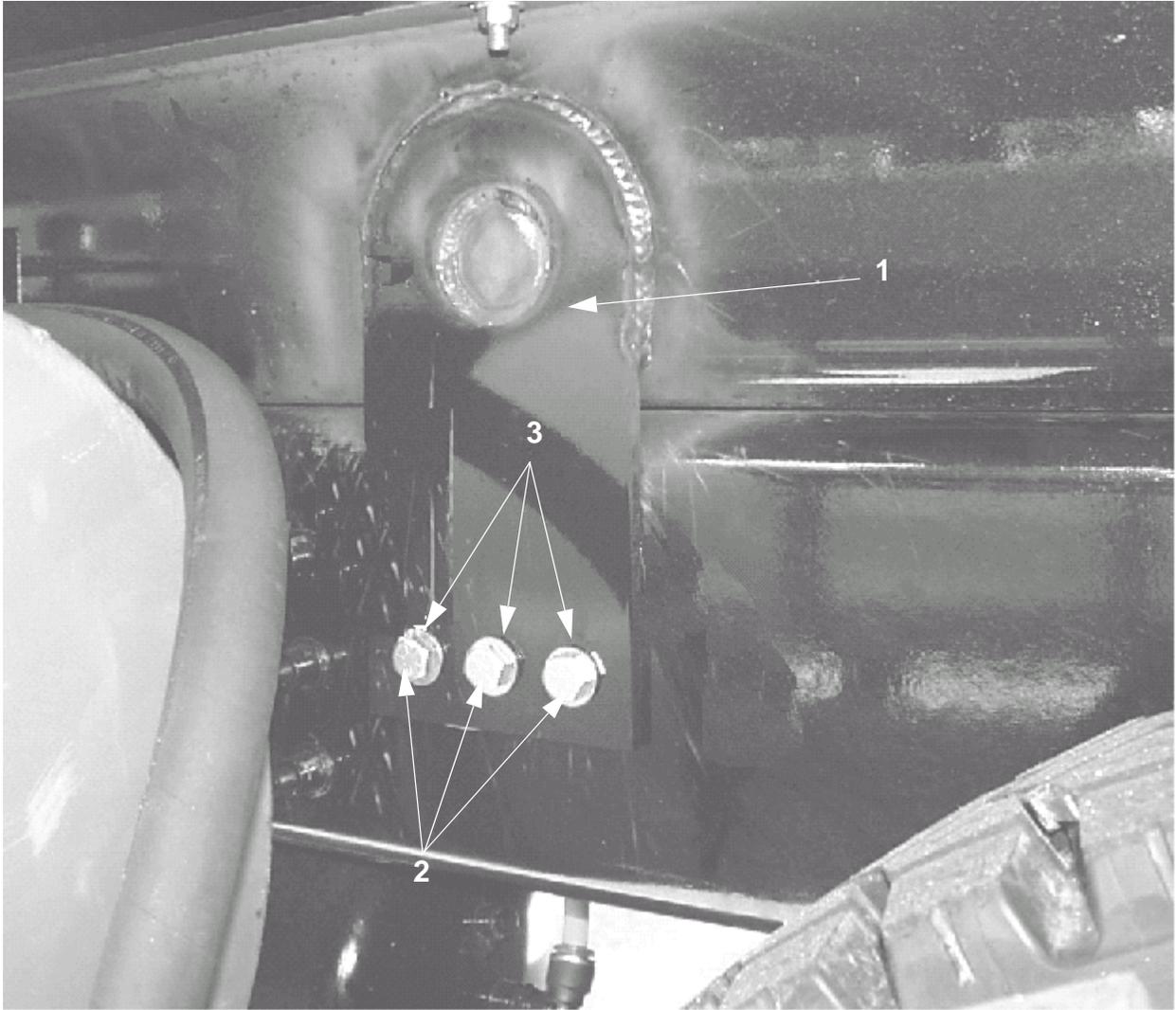
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**FLATBED OPTIONS**

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**GROUP  
02**



**Shear Plate Installation**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	709-01251	Plate - Shear.....	1
2	220-06032	Bolt 5/8UNC x1/2" Long.....	6
3	222-06010	Washer - Flat 5/8.....	12
4	221-96005	Nut - Lock 5/8UNC.....	6

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



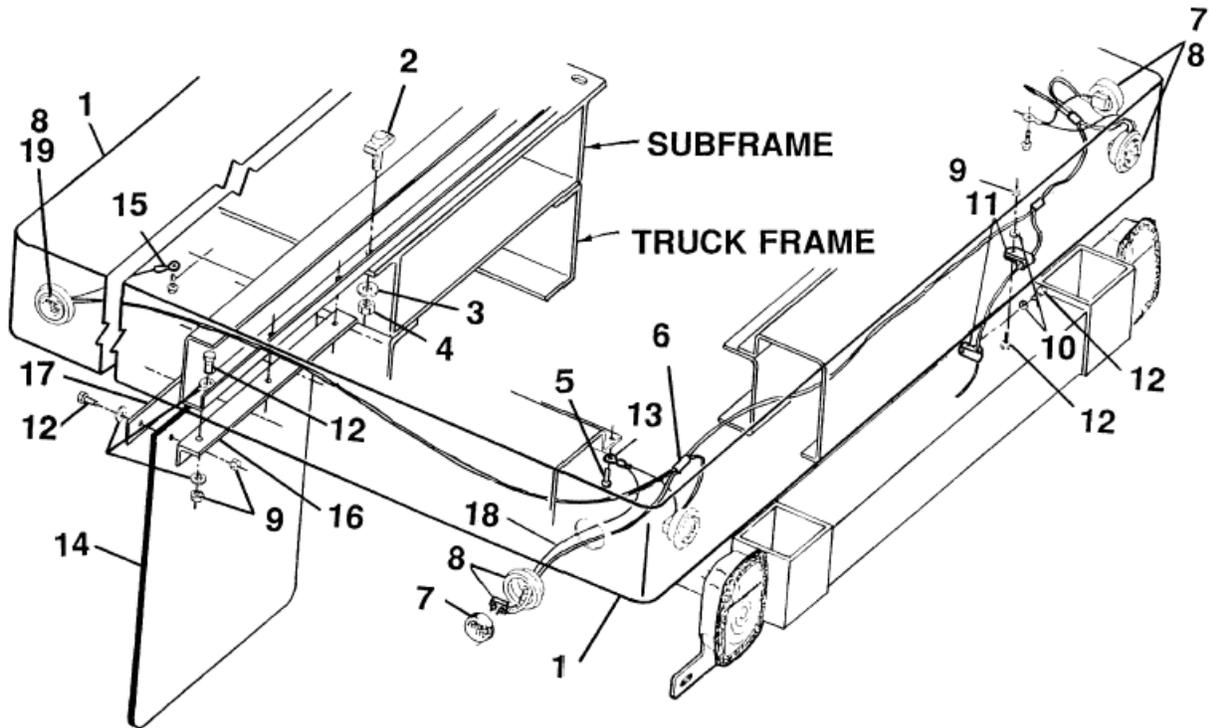
## SHEAR PLATE INSTALLATION

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**GROUP  
02**



**Flatbed Installation**

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1	600-38023	Flatbed, -16' Standard Steel (Shown) .....	1	9	220-90001	Bolt, 20 x 1 HCS .....	12
*	209-00596	Install Grp, Super Duty Flatbed (Includes Items 2 Through 21)		10	222-00006	Washer, Flat 1/4 x 1 1/2 Z.....	Ref
				11	400-02245	Terminal Ring.....	5
				12	220-00004	Bolt, Hex Head.....	Ref
2	709-00160	Bolt Weld, Flatbed Tiedown .....	10	13	400-02226	Terminal-Insulator Connector .....	4
3	222-04001	Washer, beveled-1/2" Bolt.....	Ref	14	209-00292	Mud Flat .....	2
4	221-94002	Nut, Toplock, 1/2 Gr C.....	Ref	15	210-00002	Terminal Ring.....	4
5	223-15203	HHCS 1/2-13 X 2, GR.5 .....	2	16	785-00561	Mounting angle, Mud Flap .....	2
6	400-02202	Terminal, Butt Connector, 16-14 Ga. ....	16	17	783-01238	Mounting Bar, flap.....	2
7	400-09113	Light, Clearance, Red.....	4	18	400-01378	Wire, 16 Ga. Black.....	15'
8	400-09097	Grommet Kit, Truck Light .....	8	19	400-09096	Light, Back .....	4
				20	210-00002	Kit, Flatbed Fastener.....	1
				21**	990-50002	Installation Sheet .....	1

\* -Consists of items: (2 through 21)

\*\* - Item not Shown

BED LENGTH	SUB-FRAME	STANDARD STEEL FLATBED
14/16 Feet	To Be Determined (TBD)	TBD
16 Feet	701-00474	600-38023
16 Feet	701-00718	600-38023

**BT2000 Sub-frame Assembly Standard Options**

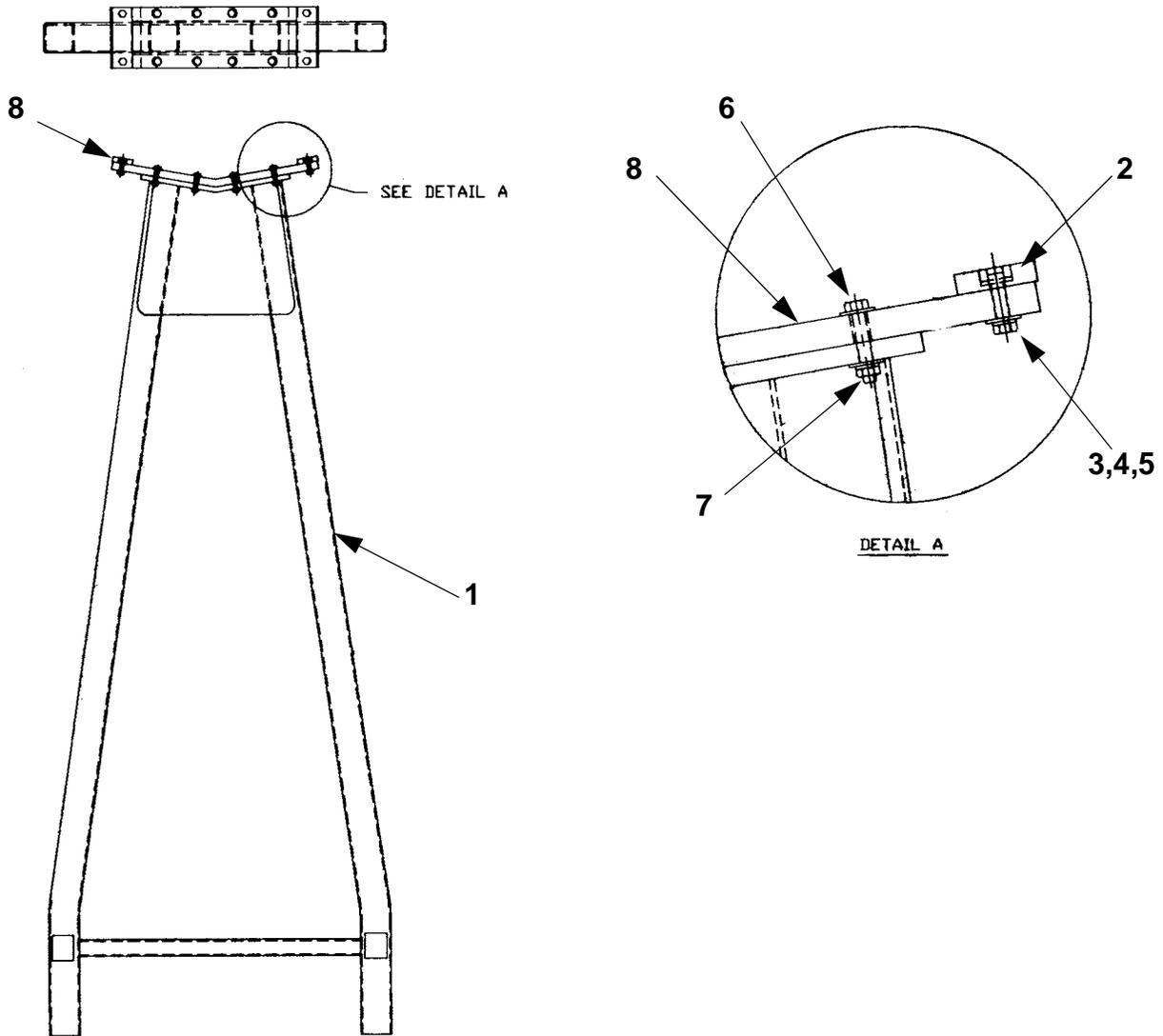
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**FLATBED INSTALLATION**

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**GROUP**  
**02**



**Boom Rest Assembly**

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1	709-01212	Boom Rest Weldment, BT2057, BT2857 ..	1	5	222-11002	Washer, Lock, 5/16 Med., PLTD.....	12
	709-01204	Boom Rest Weldment, BT2047		6	22001010	Bolt, Hex Head 5/16-18NC x 1 3/4" Long, GR5 .....	8
2	729-02175	Pad, Wear, 2 x 6 PLYSERT .....	2	7	221-01001	Nut, Hex Head, 5/16-18 NC .....	8
3	220-01005	Bolt, Hex Head 5/16-18NC x 1 "Long, GR5.....	4	8	709-01318	Support Plate, Boom Rest .....	1
4	222-01001	Washer, Flat, 5/16, PLTD.....	20				

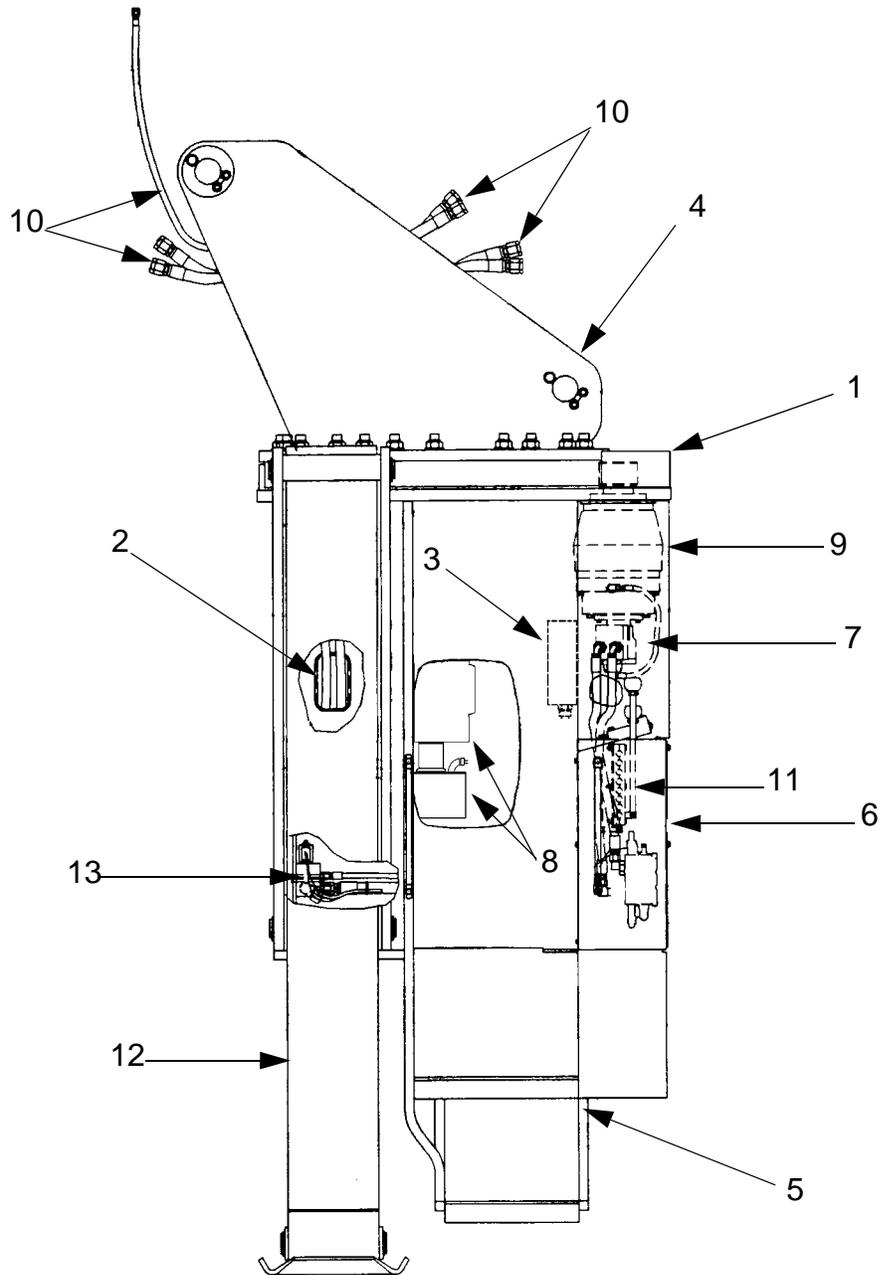
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**BOOM REST ASSEMBLY**

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**GROUP  
02**



**Mainframe Assembly, Continuous Rotation**

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	700-00986	Mainframe Sub-Assembly, 2000 series.....	Ref	7	705-00041	Swing Group Installation, .....	1
1	701-00753	Mainframe Machining, BT 2000 .....	1	8	500-01708	Center Post Installation.....	1
2	209-00470	Seal, Trim .....	4Ft	9	292-00037	Rotation Gearbox Assembly .....	1
3	400-02438	Computer Control Installation.....	1	10	500-01794	Hydraulic Piping, Mainframe (Continuous Rotation) .....	1
4	710-00275	Turret Installation, Continuous Rotation ...	1	11	550-00392	Main Control Valve Assembly .....	1
5	706-00022	Platform Installation.....	2	12	760-00292	Main Outrigger Assembly.....	1
6	800-50054	Control Console Assembly.....	2	13	559-00146	Priority Valve, Auxiliary Outrigger .....	1

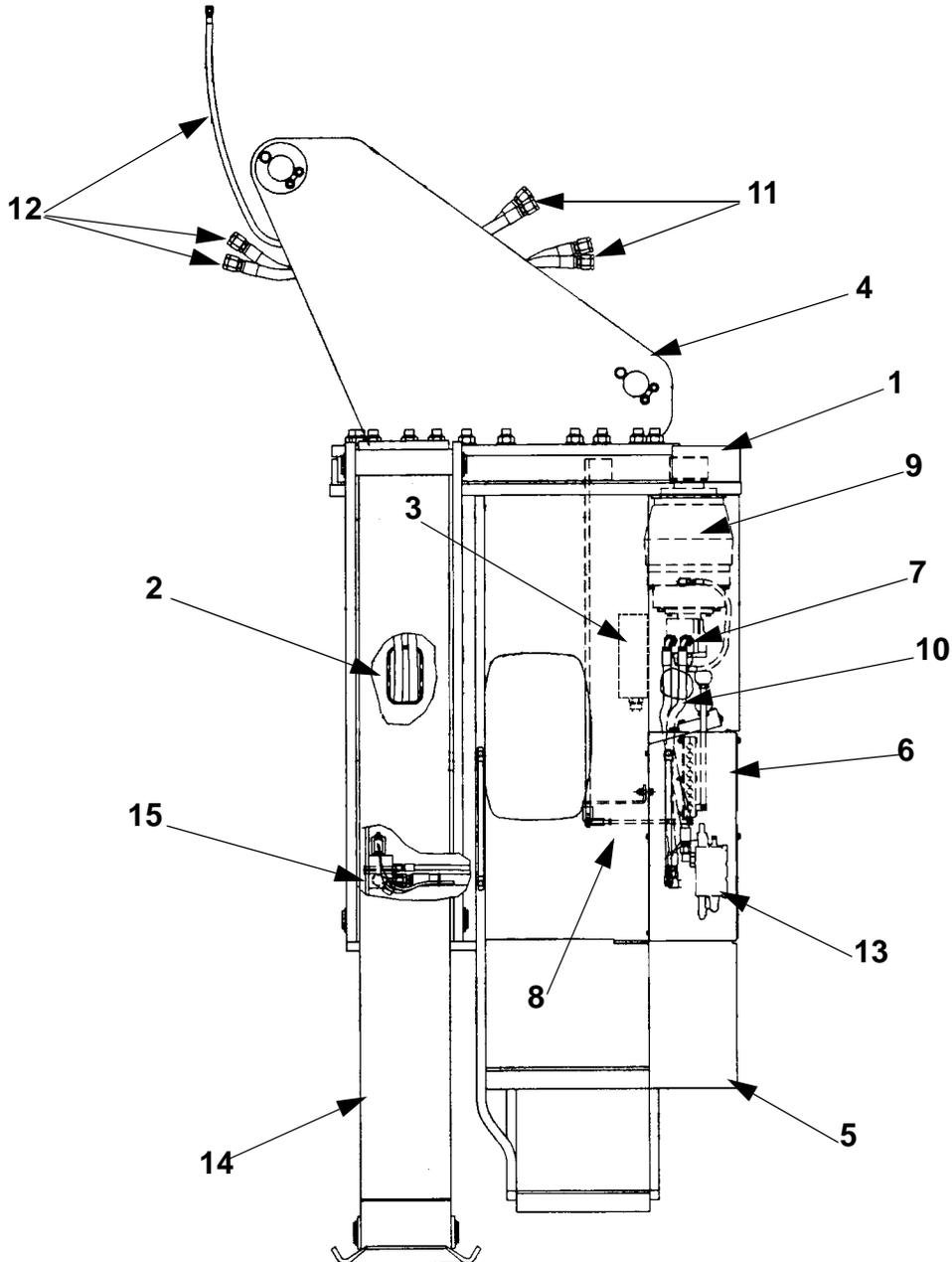
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**MAINFRAME ASSEMBLY,  
CONTINUOUS ROTATION**

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
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**GROUP  
02**



**Mainframe Assembly, 370 Deg. Rotation**

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	700-00986	Mainframe Sub-Assembly, 2000 series.....	Ref	6	800-50054	Control Console Assembly.....	1
1	701-00753	Main Frame Machining, BT 2000 .....	1	7	705-00041	Swing Group Installation, BT 3800 .....	1
2	209-00470	Seal, Trim .....	4Ft	8	809-00410	Rotation Stop Installation, 370 Deg. ....	1
3	400-16122	Computer Control Box, (Greer 586) .....	1	9	292-00037	Rotation Gearbox Assembly .....	1
4	710-00226	Turret & Rotation Bearing Installation, 370 Deg.....	1	10	500-01793	Hydraulic Piping, Mainframe.....	1
5	706-00022	Platform Installation.....	Ref	11	550-00392	Main Control Valve Assembly .....	1
				12	760-00292	Main Outrigger Assembly.....	1
				13	559-00146	Priority Valve, Auxiliary Outrigger .....	1

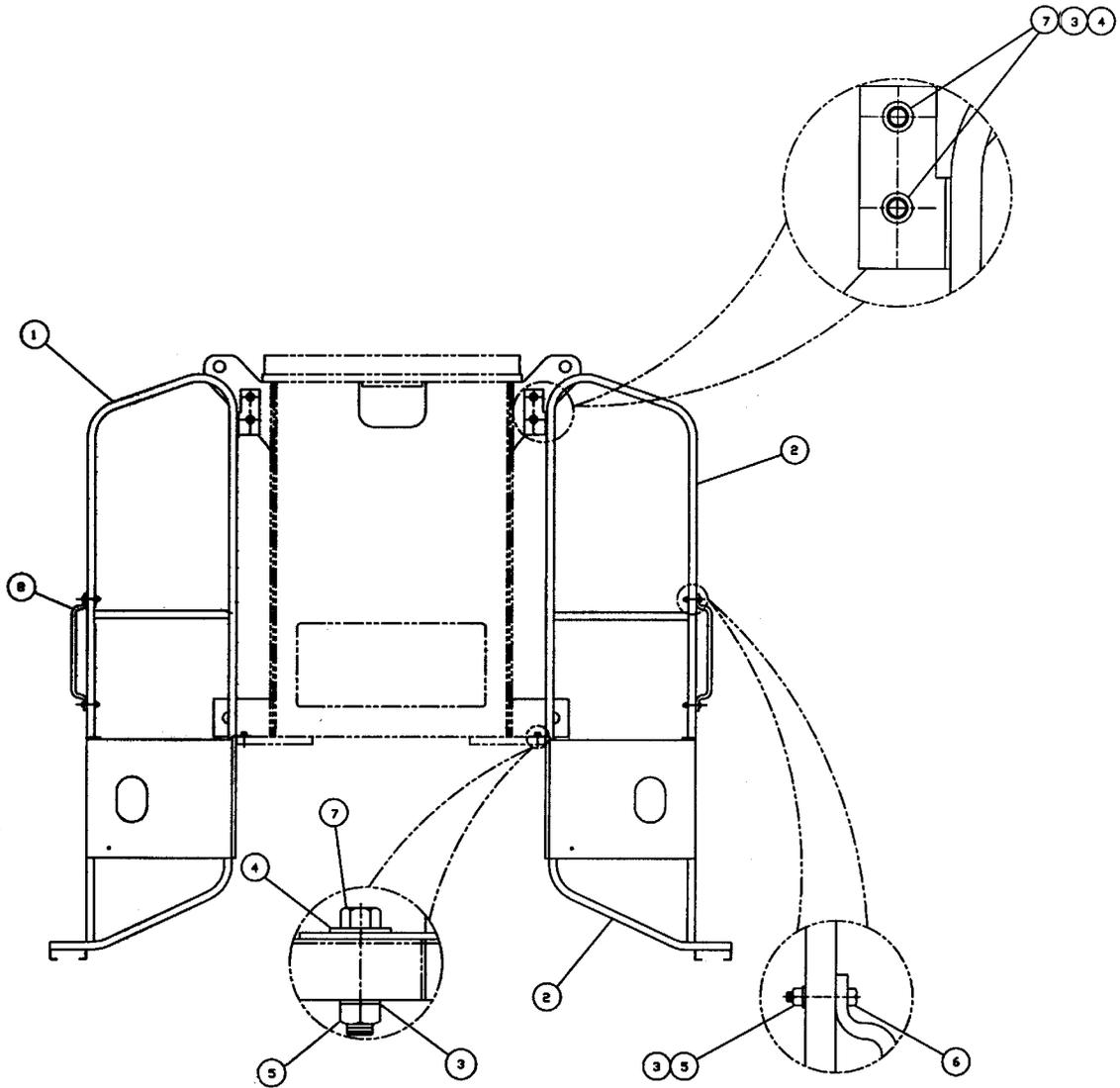
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**MAINFRAME ASSEMBLY,  
370 Deg. ROTATION**

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 MODEL: BT2000 Series  
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**GROUP  
02**



**Operator's Platform Installation**

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	709-00022	Platform Install Group.....	1	5	221-02001	Nut, Hex 3/8NC.....	8
1	709-01301	Platform, LH Weldment.....	1	6	220-02011	Bolt, Hex Head, 3/8NC x 2" Long.....	4
2*	709-01300	Platform, RH Weldment.....	1	7	220-02007	Bolt, Hex Head 3/8 NC x 3/4" Long.....	4
3	222-12001	Washer, Lock 3/8 PLTD.....	12	8	209-00444	Handle, grab.....	2
4	222-02005	Washer, flat 3/8 PLTD.....	8	9	220-02008	Bolt, Hex Head 3/8NC x 3 1/2" Long.....	4
				10	783-03022	Bar, spacer.....	2

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
				2	772-00025	Mainframe Tiedown Bracket.....	4
1	701-00753	Mainframe weldment.....	1	3	1242-163	HHCS 1-8NC x 12" GR8 (2000series).....	8

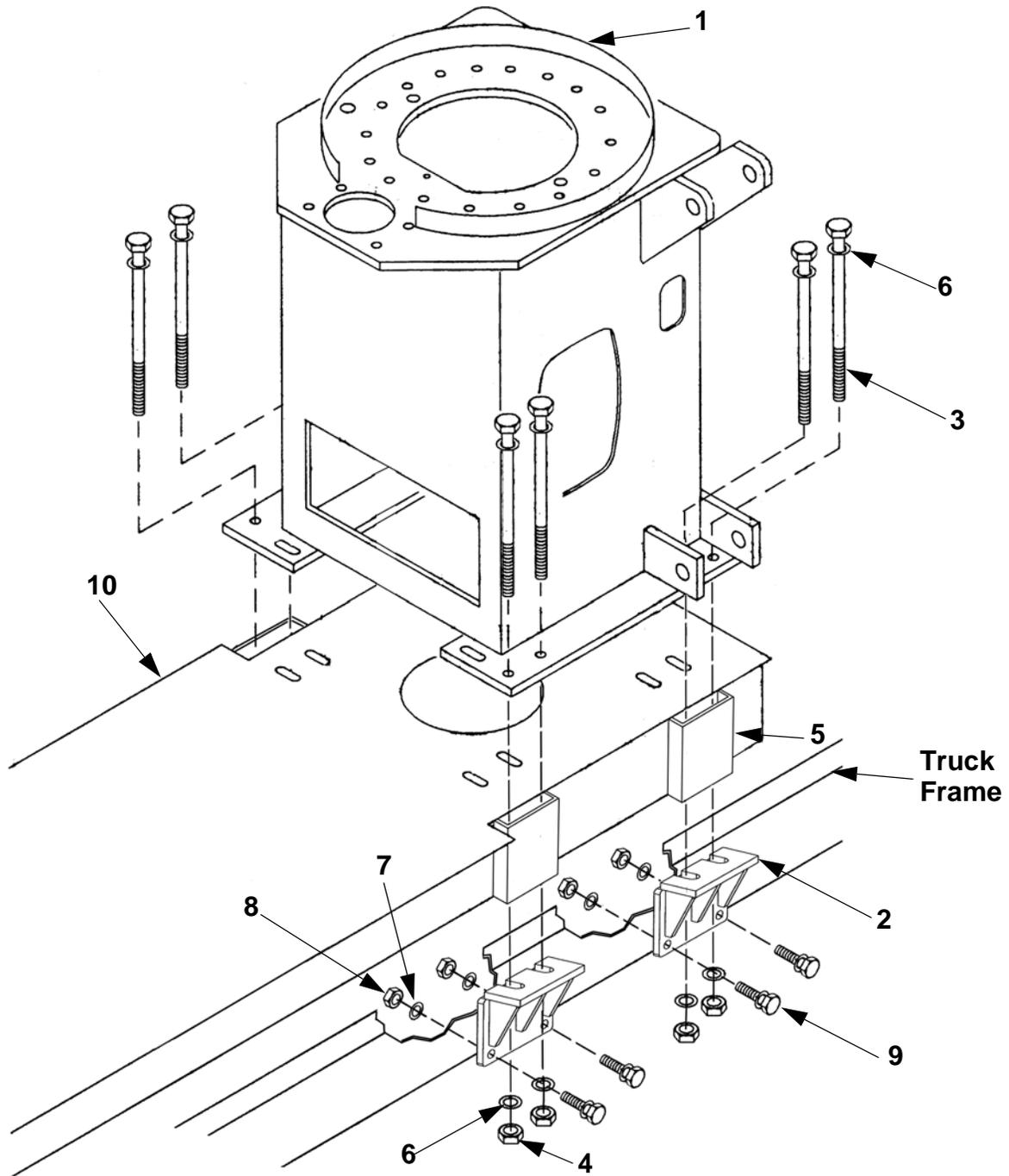
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**OPERATOR PLATFORM  
INSTALLATION**

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**GROUP  
02**



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	701-00753	Pedestal (Main Frame) Weldment.....	1	6	222-09004	Flat Washer Hardened 1".....	16
2	772-00025	Main Frame Tie Down Bracket .....	4	7	222-0703	Flat Washer, Hard 3/4".....	32
3*	1242-163	HHCS 1-8NC x 12" GR8 (2000 Series)....	8	8	221-97002	NILN 3/4-10NC GR8 .....	16
*	1242-173	HHCS 1-8NC x 10" GR8 (2800 Series)....	8	9	220-07020	HHCS 3/4-10NC x 2" GR8.....	16
4	1205-122	Hex Lock Nut 1-8NC GR8 .....	8	10*	701-00474	Subframe Weldment (2000 Series).....	1
5*	021-50017	C-Channel Stiffener (2000 Series) .....	4	*	701-00756	Subframe Weldment (2800 Series).....	1

\* Varies as Indicated by Model Series

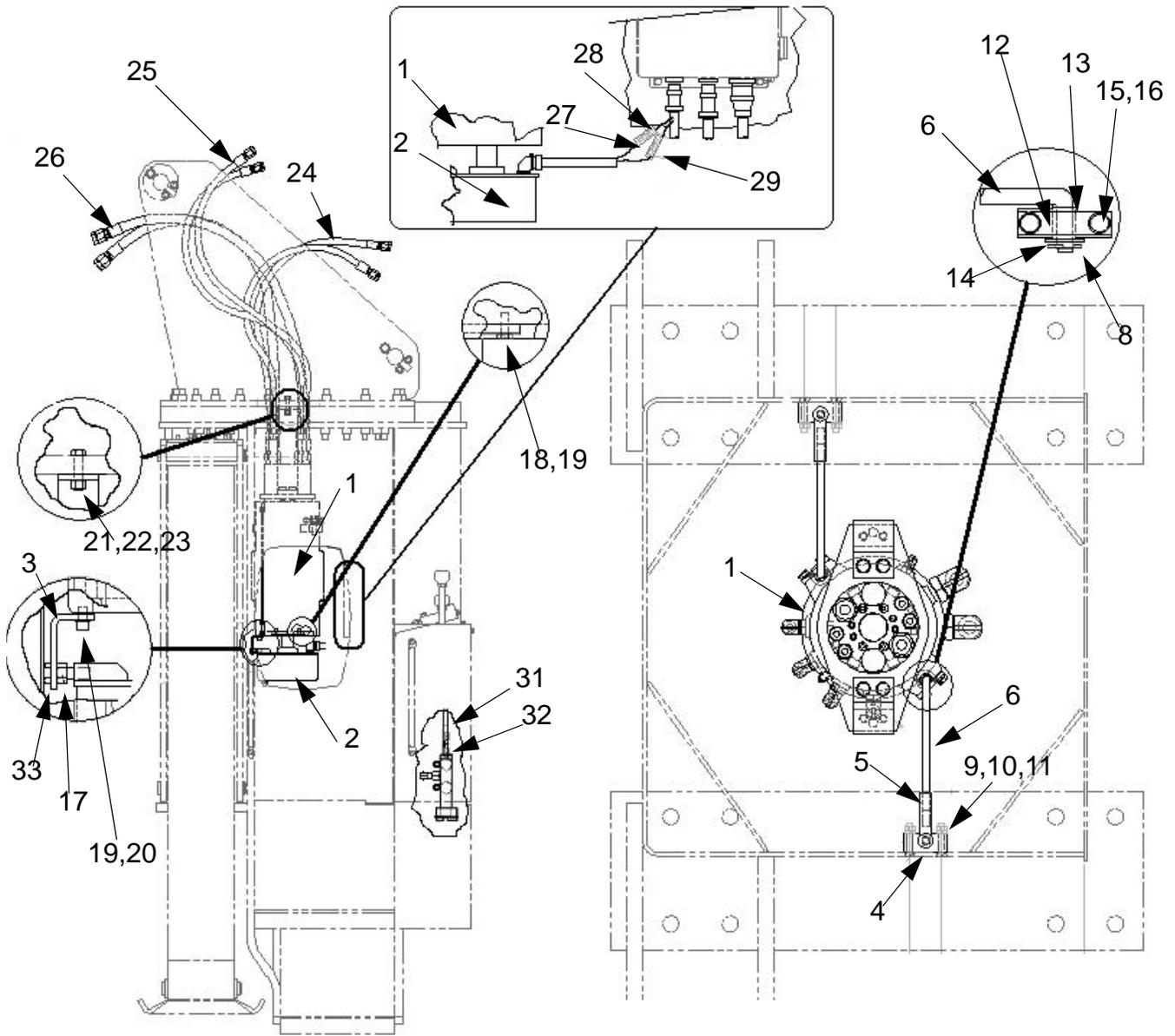
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



# PEDESTAL INSTALLATION

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 MODEL: BT2000 Series  
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GROUP  
**02**



**Centerpost Installation, Continuous Rotation**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
*	500-01638	Centerpost Installation Continuous Rotation.....	1	11	221-01001	Hex Nut, 5/16UNC .....	4
1	500-01635	Centerpost Assembly .....	1	12	789-04121	Plate, Torque Rod Retainer .....	2
2	400-17082	Collector Ring Assembly .....	1	13	502-30604	Hose, Torque Rod spacer.....	2
3	785-01709	Angle, Collector Ring Stop .....	1	14	222-04001	Flatwasher, 1/2 .....	2
4	783-03134	Bar, Torque Rod Support .....	2	15	220-02002	Hex Head Bolt, 3/8-16UNC x1 1/4 .....	4
5	809-00036	Yoke, 1/2-20UNF.....	2	16	222-12001	Lockwasher 3/8.....	4
6	209-00677	Torque Rod Centerpost.....	2	17	221-04002	Jam Nut1/2-13 UNC PLT .....	1
7	870-00008	Pin, Clevis,1/2 .....	2	18	220-00003	Hex Head Bolt, 1/4-20UNC x 3/4 .....	2
8	224-02004	Cotter Pin 1/8 x 1 PLTD .....	4	19	222-10005	Lockwasher, 1/4.....	4
9	223-00302	FHM Screw, 5/16-18UNC x 2 1/4.....	4	20	220-00003	Hex Head Bolt, 1/4-20UNC x 3/4LG .....	2
10	222-11002	Lockwasher, 5/16 .....	4	21	220-04006	Hex Head Bolt, 1/2-13UNC x 1/4 .....	2
				22	222-14003	Lockwasher 1/2.....	2

**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**CENTERPOST INSTALL-  
CONTINUOUS ROTATION**

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
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**GROUP  
02**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
23	221-04001	Hex Nut 1/2-20UNF.....	2	28	400-02292	Plug, Male.....	4
24	502-30626	Hose Assembly, Boom Hoist.....	2	29	400-15085	Tubing, Heat Shrink.....	2
25	502-30630	Hose Assembly, Telescope Supply.....	2	30	400-15088	Tie, Nylon Cable.....	4
26	502-40743	Hose Assembly, Winch Supply.....	2	31	502-11262	Hose assembly, Centerpost drain.....	1
27	400-02293	Plug, Female.....	4	32	516-82003	Tee, Swivel Nut Run.....	1
				33	220-04005	Hex Head Bolt 1/2-13NC x 1 1/2LG.....	1

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**CENTERPOST INSTALL-  
CONTINUOUS ROTATION**

DATE: Revised 03-2006  
MODEL: BT2000 Series  
Page 02.12

**GROUP  
02**

03 OUTRIGGERS



**Outriggers**

<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	760-00293	Aux Outrigger Assembly, BT 2047, BT20571		2	760-00276	Main Outrigger Assembly.....	1
	760-00440	Aux Outrigger SF Assembly, BT2857 .....	1				

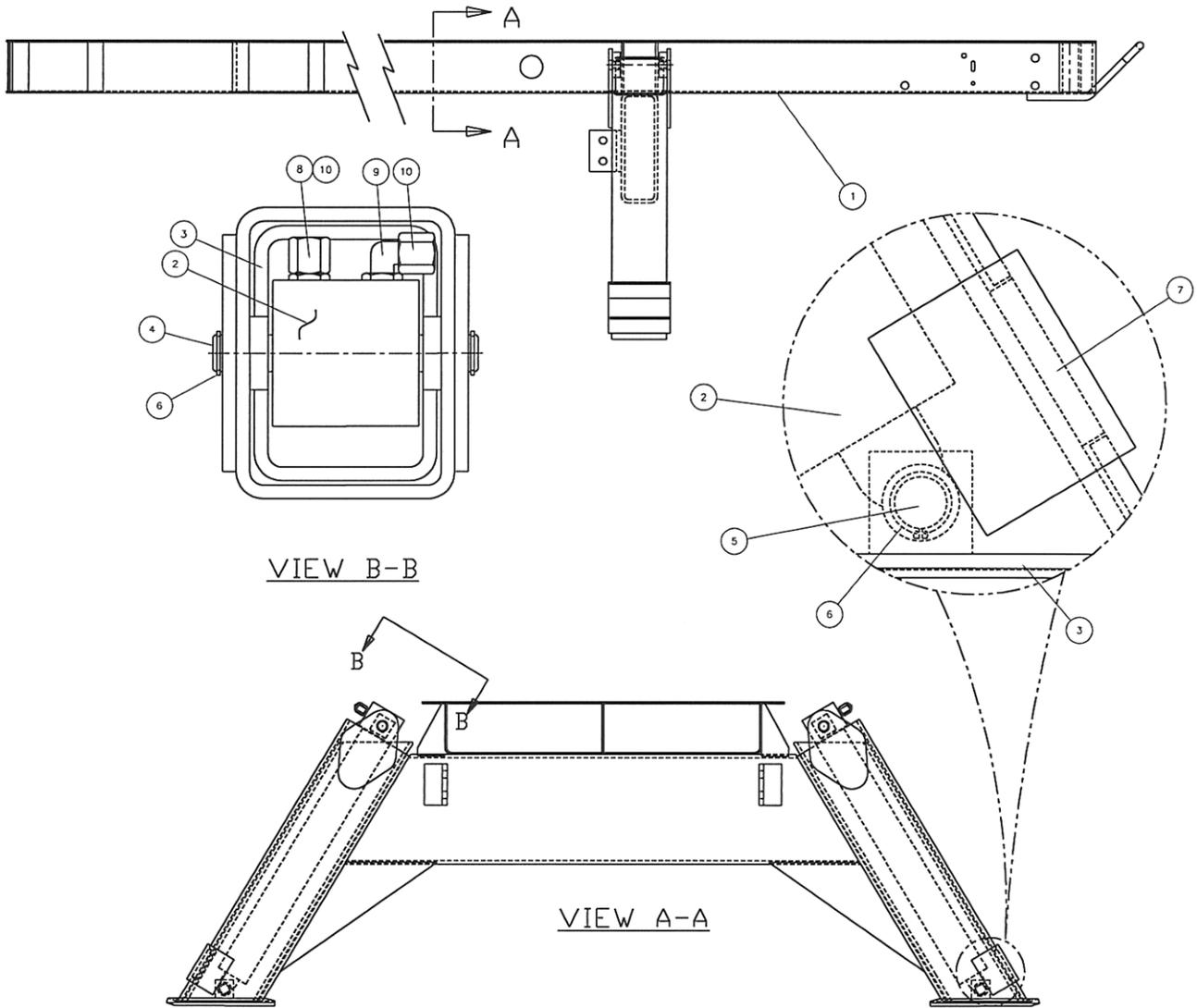
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**OUTRIGGERS**

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
 Page 03.1

**GROUP**  
**03**



REF	PART NO.	DESCRIPTION	QTY
	760-00440	Subframe / Aux Outrigger Assembly (2857)	
1	701-00756	Sub Frame / Auxiliary Outrigger Weldment1	
2	540-20100	Outrigger Cylinder.....	2
3	760-10298	Outrigger Leg Weld.....	2
4	870-20234	Pin, Cylinder Base .....	2
5	870-20233	Pin Cylinder Rod.....	2
6	200-10011	Snap Ring .....	8
7	729-00411	Wear Pad.....	2
8	514-54004	Elbow 90 .....	2
9	513-40014	Straight Connector.....	2
10	519-40007	Cap 3/8 .....	4

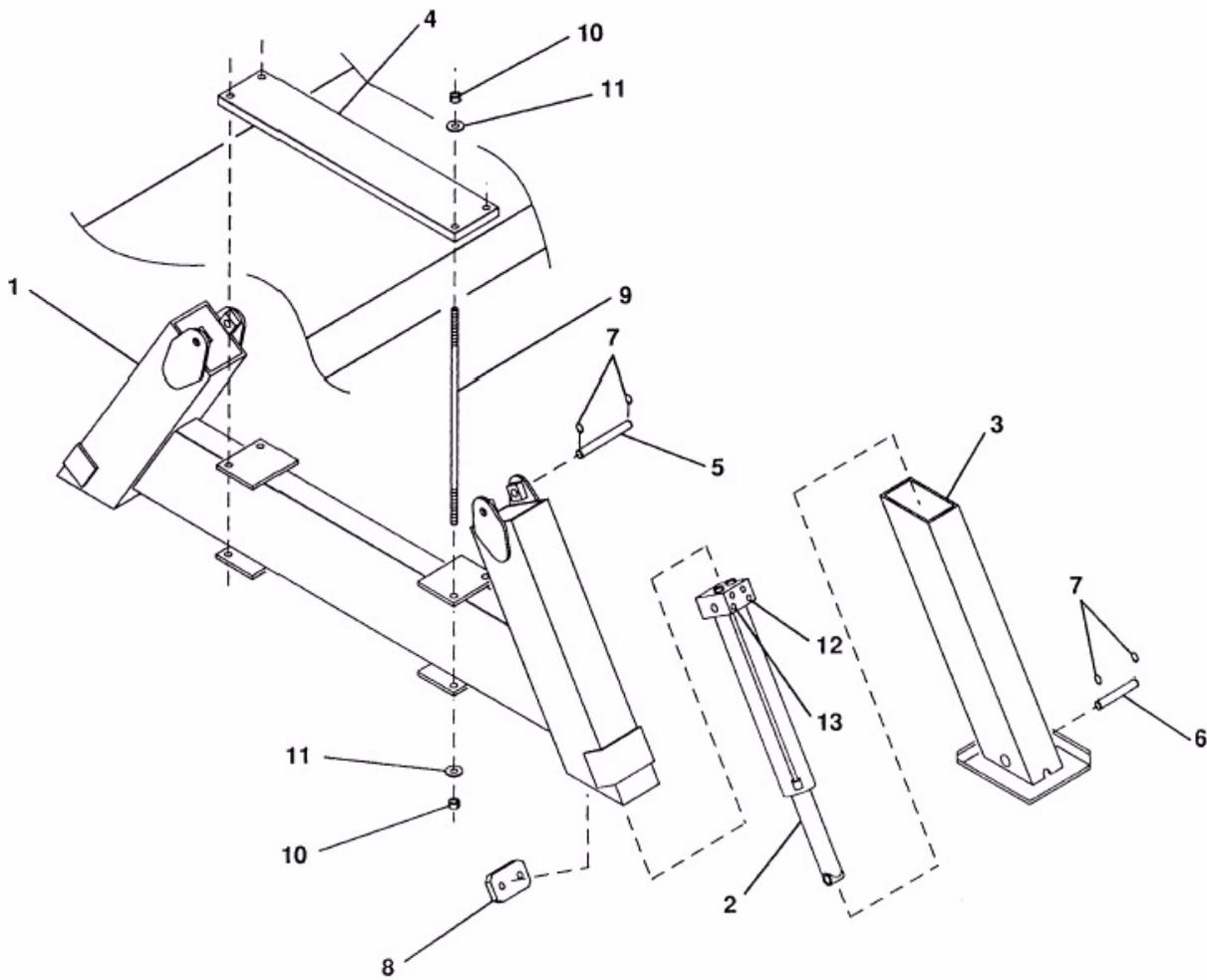
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**AUXILIARY OUTRIGGER/SUBFRAME**  
 Assembly - BT2857

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
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**GROUP**  
**03**



**Auxiliary Outrigger Installation**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	760-00293	Outrigger Assembly (2047/2057)	
1	760-20412	Housing, Auxilliary Outrigger .....	1
2	540-20100	Cylinder, Outrigger.....	2
3	760-10298	Leg, Outrigger Weld.....	2
4	783-02903	Tie Down, Support Bar .....	1
5	870-20234	Pin, Cylinder Base .....	2
6	870-20233	Pin, Cylinder Rod.....	2
7	200-10011	Ring, Snap .....	8
8	729-00411	Pad, Wear .....	2
9	220-07041	Tie Down stud.....	4
10	221-97002	Washer, Lock 3/4 NC.....	8
11	222-07005	Washer, flat.....	8
12	514-54004	Elbow, 90 Deg. ....	2
13	513-40014	Connector, Straight.....	2

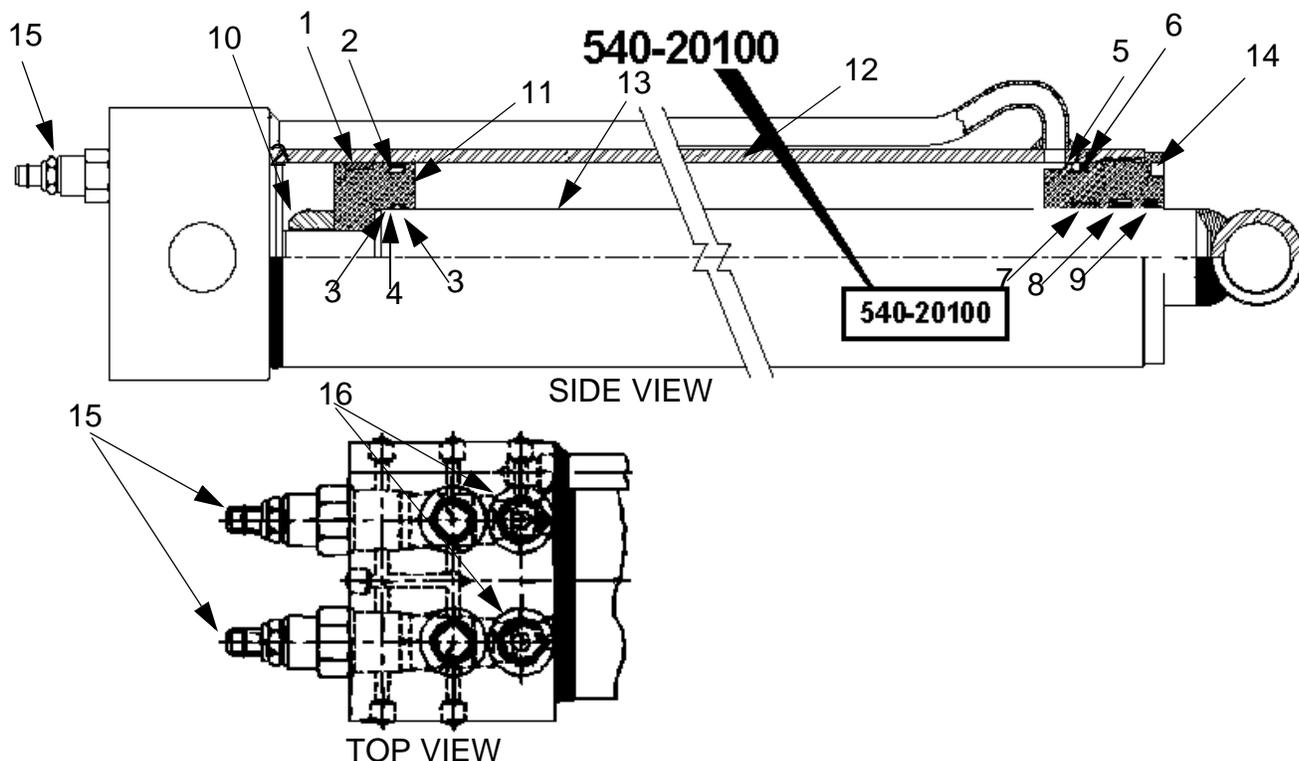
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**AUXILIARY OUTRIGGER**  
Installation - BT 2047 / BT2057

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MODEL: BT2000 Series  
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**GROUP**  
**03**



**Auxiliary Outrigger Cylinder**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
540-20100		Auxiliary Outrigger Cylinder..... (Green) (Includes Items 1 Through 15)	2	10	346-00722	Lock Nut.....	1
				11	346-00723	Piston.....	1
				12	346-00724	Barrel Assembly.....	1
				13	346-00725	Rod Assembly.....	1
268-91013		Seal Kit (For P/N 540-20100)..... (Includes Items 1 Through 9)	1	14	346-00726	Internal Head.....	1
				15	552-00088	Counterbalance Valve.....	2
					059-0013	Seal Kit for Counterbalance Valve.....	1

**ALTERNATE CYLINDER MANUFACTURERS**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
*	540-20106	Auxiliary Outrigger Cylinder..... (Simon)	2	*	540-20134	Auxiliary Outrigger Cylinder..... (Goldstar)	2
*	268-90126	Kit, Seal, (For P/N 540-20106)..... (Includes Items 1 Through 9)	1	*	268-90170	Kit, Seal, (For P/N 540-20134)..... (Includes Items 1 Through 9)	1
	540-20133	Auxiliary Outrigger Cylinder..... (Great Bend)	2	*	540-20132	Auxiliary Outrigger Cylinder..... (Goldstar)	2
*	268-90158	Kit, Seal, (For P/N 540-20133)..... (Includes Items 1 Through 9)	1	*	268-90157	Kit, Seal, (For P/N 540-20132)..... (Includes Items 1 Through 9)	1

**SEAL KITS CONTENTS**

1	N/A	Wear, Ring.....	1	6	N/A	Back-Up ring.....	1
2	N/A	PSP Seal.....	1	7	N/A	Wear ring.....	1
3	N/A	Back-Up Ring.....	2	8	N/A	Loaded U-Cup.....	1
4	N/A	O-Ring.....	1	9	N/A	Rod Wiper.....	1
5	N/A	O-Ring.....	1				

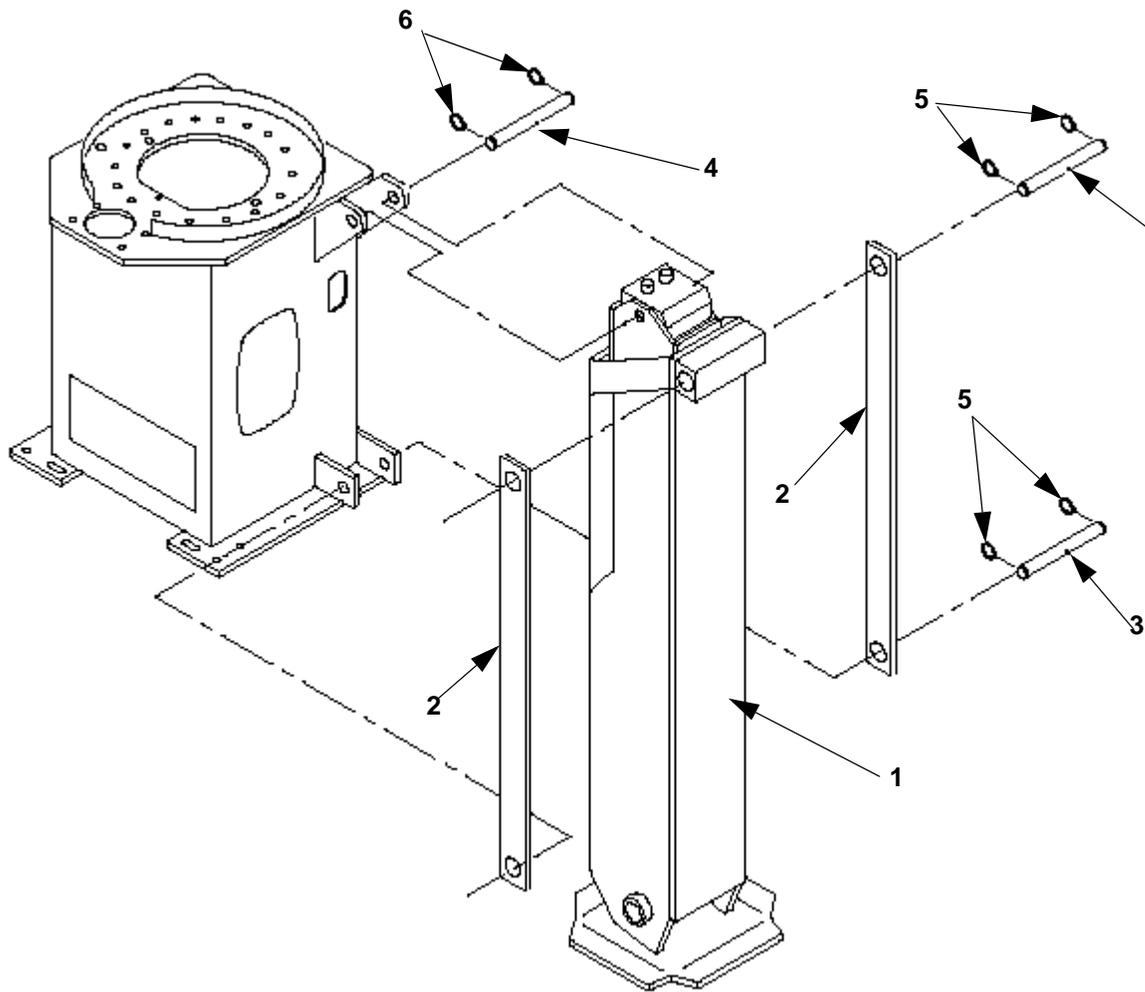
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**AUXILIARY OUTRIGGER CYLINDER**

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 MODEL: BT2000 Series  
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**GROUP 03**



**Main Outrigger Installation**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	701-00482	Pedestal Weldment .....	Ref	6	870-50067	Pin, Link Outrigger .....	2
	760-00006	Install Group, Main Outrigger (Includes Items * Through 15)		7	870-50066	Pin, Upper and Lower Outrigger .....	2
*	760-00276	Outrigger, Main Assembly .....	2	8	200-30008	Ring, snap .....	8
2	760-10303	Leg, Outrigger Inner Weldment .....	1	9	729-02238	Pad wear .....	2
3	540-20139	Cylinder, Main Outrigger .....	1	10	729-02239	Pad Wear .....	1
4	760-10302	Leg, Outer Outrigger Weldment .....	1	11	220-01005	Screw, 5/16UNC x 1" Long .....	6
5	760-90031	Bar, Link .....	2	12	222-11005	Washer, Lock .....	6
				13	223-00306	Screw, 5/16UNC x 1" Long .....	2
				14	760-30163	Shoe, Outrigger Weldment .....	1
				15	515-05003	Elbow, 90 Deg.....	2

**NOTE - ONLY ONE SIDE SHOWN**  
Both Sides Identical

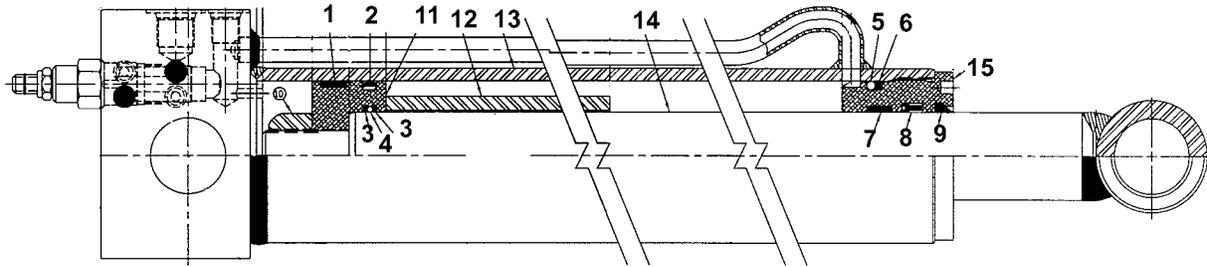
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



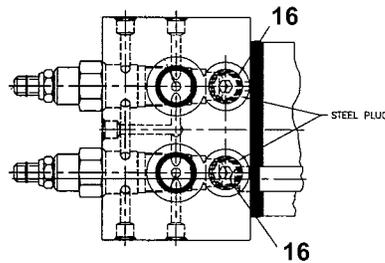
**MAIN OUTRIGGER  
INSTALLATION**

DATE: Revised 03-2006  
MODEL: BT2000 Series  
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**GROUP  
03**



TOP VIEW



**Main Outrigger Cylinder**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	540-20139	Main Outrigger Cylinder Assembly.....	2	4		O-Ring.....	1
	268-90170	Seal Kit, (For P/N 540-20139 ..... (Seal Kits Contents Items 1-9)	1	5		O-Ring.....	1
1		Wear Ring .....	1	6		Back-Up Ring.....	1
2		PSP Seal.....	1	7		Wear Ring.....	1
3		Back-Up Ring.....	2	8		Loaded U-Cup.....	1
				9		Rod Wiper.....	1

**CYLINDER COMPONENTS  
(ITEMS 10-16)**

10	812-00015	Locknut.....	1	14	812-00020	Rod Assembly.....	1
11	812-00010	Piston .....	1	15	812-00013	Internal Head .....	1
12	812-00018	Spacer.....	1	16	812-00014	Steel Plug.....	2
13	812-00019	Barrel Assembly .....	1				

Seal Kit for CB Cartridge 054-00013

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**MAIN OUTRIGGER  
CYLINDER**

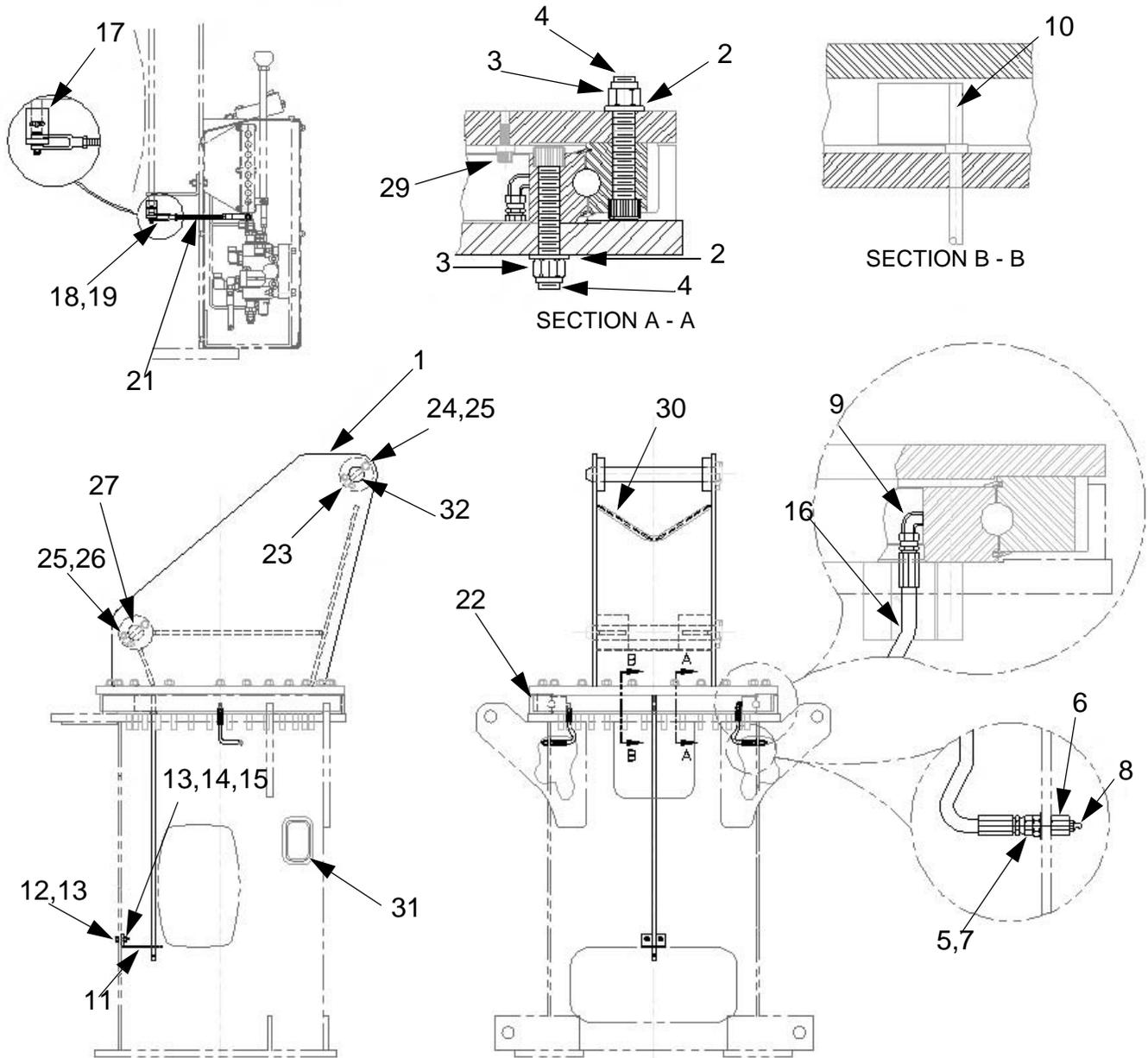
DATE: Revised 03-2006

MODEL: BT2000 Series

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**GROUP  
03**

12 SUPERSTRUCTURE



**Turret /Rotation Gear Installation**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	712-00276	Turret, 2000 Series.....	1	9	514-02002	Elbow, 90 Deg. 1/4 Tube x 1/8 NPT .....	2
2	222-06010	Washer, Flat 5/8 Hard .....	55	10*	719-00313	Swing Stop Rod weldment.....	1
3	1205-195	Locknut, Hex 5/8 .....	55	11*	785-01678	Support Angle, Swing Stop.....	1
4	220-36022	Socket Head Capscrew.....	55	12*	220-01006	Capscrew, Hex Head 5/16-18UNC x 1.5 ...	2
5	222-02005	Washer, Flat 3/8".....	2	13*	222-01001	Washer, Flat 5/16.....	4
6	518-20001	Bulkhead Connector.....	2	14*	222-11002	Washer, Lock, 5/16.....	2
7	511-21001	Locknut.....	2	15*	221-01001	Nut, Hex 5/16-18 UNC .....	2
8	501-03002	Zerk, 1/8 NPT.....	2	16	502-00180	Hose Assembly, Swing Bearing Lube.....	2

**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**TURRET /ROTATION GEAR  
INSTALLATION**

DATE: Revised 03-2006  
 MODEL: BT2000 Series  
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**GROUP  
12**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
17*	100-30028	Collar Casting, Swing stop .....	1	25	222-16003	Washer, Lock 5/8" .....	8
18*	870-00129	Clevis Pin, 5/16" .....	2	26	220-36010	Bolt, Socket Head 5/8 .....	4
19*	224-02001	Cotter Pin .....	2	27	870-60232	Pin.....	2
20*	224-14004	Roll Pin .....	1	28	220-32001	Bolt socket Head 3/8-16.....	1
21*	806-00245	Swing K/O Link Assembly .....	1	29	011-20013	Spacer.....	1
22	716-00040	Rotation Bearing, 2000 Series .....	1	30	209-00802	Trim Edging 5/8 .....	2ft
23	224-26005	Rod End .....	2	31	209-00470	Trim Edging 1/2.....	3ft
24	220-06037	Bolt, Hex Head 5/8-11 .....	2	32	870-60233	Pin, 2.25 Dia. x 17.88.....	1

NOTE, \* Non-Continuous Rotation ONLY

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



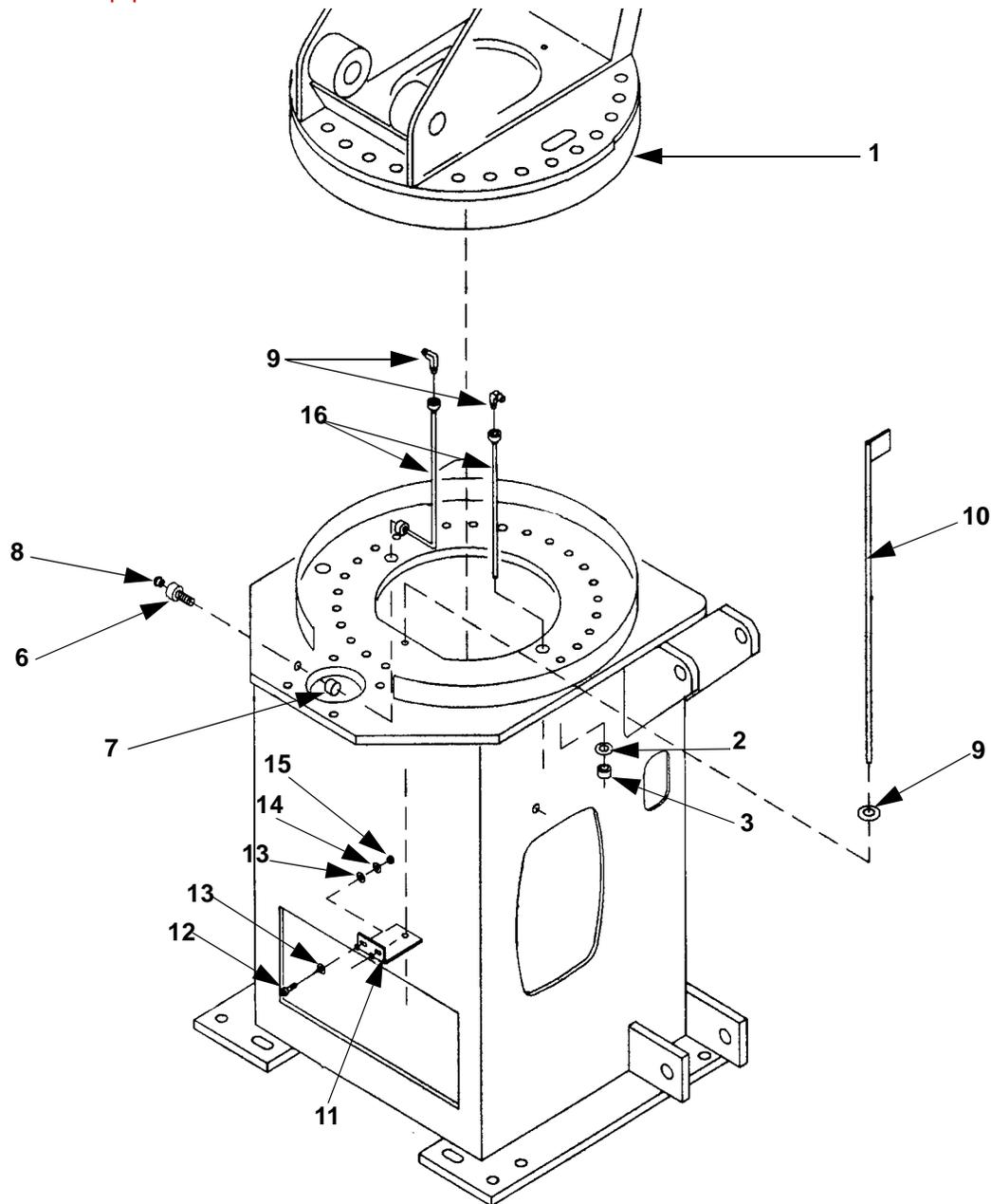
## TURRET /ROTATION GEAR INSTALLATION

DATE: Revised 03-2006

MODEL: BT2000 Series

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**GROUP  
12**



**370 Deg Rotation Stop Installation**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	712-00167 711-00006	Turret Assembly, 3000 Series (BT3000 Standard Install Group)	1	9	514-02002	Elbow, 90 Deg. 1/4 Tube x 1/8NPT	2
				10	719-00323	Rod, Swing Stop Weldment	1
				11	785-01678	Angle, Swing Stop Support	1
2	222-09004	Washer, Flat 1 PLTD	24	12	220-01003	Screw, HHC 5/16NC x 1 1/4" Long	2
3	221-99002	Nut, Top Lock	24	13	222-01001	Washer, Flat 5/16 PLTD	4
6	518-20001	Connector, Bulkhead 1/8FPT	2	14	222-11002	Washer, Lock 5/16 PLTD	2
7	511-21001	Nut, Lock	2	15	221-01001	Nut, Hex 5/16NC	2
8	501-03002	Zerk, 1/8NPT	2	16	502-00180	Hose Assembly, Swing Bearing Lube	2

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED