

Product: 2006 Terex BT3000 Boom Trucks Workshop Parts Manual  
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**PARTS MANUAL**

**BT3000**

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**12261-289**

# 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 affixed to the Turret behind the Operator's Seat.



## PART IDENTIFICATION:

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

REF.	PART.NO.	DESCRIPTION	QTY.
1	656-00008	Boom Decal Kit.....	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 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.

# LOCATING INDIVIDUAL PARTS

1. Turn to the PARTS GROUP INDEX and find the general area of the part in question. (Example: Seat would be found in "Operator's Cab & Machinery Housing" Group 27).
2. Refer to the partsgroup and check to see if a subsequent letter-designated group is used. Check the title block on the pages to determine the application of the group to your particular machine.

<b>BOOM ASSEMBLY 100'</b>	<b>39</b>
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<b>JIB ASSEMBLY</b>	<b>39A</b>
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3. Major assemblies are shown at the beginning of each group with page references to component parts breakdowns on the pages which follow. Briefly skim through the group to familiarize yourself with the information included in it. Locate the illustration and parts list which pertain to the assembly or part you desire. Compare the serial number of your machine to those which may appear on the page to be sure you are ordering the correct part.
4. Item numbers on the illustration correspond to those in the parts list. Parts not shown with an item number are the same as identical or symmetrical parts with an item number. Parts keyed with an asterisk or other symbol are included in a repair kit. If no part number is shown, these parts cannot be ordered separately.
5. Quantities are shown as required per component assembly unless otherwise noted.
6. If an assembly is listed without any serviceable parts, it must be ordered complete. Serviceable parts of components are listed under the component part or a subsequent page as indicated.
7. All hardware shown without the size listed after the noun name is specially made for the particular application and must not be substituted with standard hardware.



## BT3000

# PARTS GROUPS

### LOWER

#### 2 CARRIER FRAME

- 2.1 TRUCK CHASSIS
- 2.2 SUBFRAME ASSEMBLY
- 2.3 SUBFRAME INSTALLATION
- 2.4 FLATBED OPTIONS
- 2.5 FLATBED INSTALLATION
- 2.6 BOOM REST ASSEMBLY
- 2.7 MAINFRAME INSTALLATION
- 2.8 MAINFRAME INSTALLATION
- 2.9 OPERATOR PLATFORM  
INSTALLATION

#### 3 OUTRIGGERS

- 3.1 OUTRIGGERS
- 3.2 MAIN OUTRIGGER  
ASSEMBLY
- 3.3 MAIN OUTRIGGER CYLINDER
- 3.4 MAIN OUTRIGGER CYLINDER
- 3.5 AUXILIARY OUTRIGGER  
ASSEMBLY
- 3.6 AUXILIARY OUTRIGGER  
CYLINDER
- 3.7 AUXILIARY OUTRIGGER  
CYLINDER

### UPPER

#### 12 SUPERSTRUCTURE

- 12.1 TURRET INSTALLATION  
NON-CONTINUOUS ROTATION
- 12.2 TURRET INSTALLATION  
CONTINUOUS ROTATION
- 12.3 SWING STOP INSTALLATION

### HYDRAULICS

#### 22 SWING SYSTEM

- 22.1 ROTATION GEARBOX  
INSTALLATION
- 22.2 ROTATION GEARBOX  
ASSEMBLY

#### 24 PUMP DRIVE CASE

- 24.1 HYDRAULIC PUMP  
INSTALLATION
- 24.2 TRIPLE VANE HYDRAULIC  
PUMP ASSEMBLY
- 24.3 TRIPLE VANE HYDRAULIC  
PUMP ASSEMBLY



## BT3000

# PARTS GROUPS

### 25 HYDRAULIC SYSTEM

- 25.1 HYDRAULIC RESERVOIR  
INSTALLATION
- 25.2 HYDRAULIC RESERVOIR  
FILTER INSTALLATION
- 25.3 HYDRAULIC RESERVOIR  
PIPING
- 25.4 MAIN VALVE ASSEMBLY  
STANDARD WINCH
- 25.5 MAIN VALVE PIPING  
NON-CONTINUOUS  
ROTATION
- 25.6 HYDRAULIC PIPING  
NON-CONTINUOUS  
ROTATION
- 25.7 HYDRAULIC PIPING - SWING
- 25.8 UNLOADER VALVE ASSEMBLY
- 25.9 WINCH VALVE ASSEMBLY

### CONTROLS

### 28 OPERATOR CONTROLS

- 28.1 CONTROL CONSOLE  
ASSEMBLY
- 28.2 CONTROL CONSOLE  
ASSEMBLY
- 28.3 CONTROL CONSOLE  
ASSEMBLY
- 28.4 THROTTLE ASSEMBLY
- 28.5 THROTTLE INSTALLATION

### MISCELLANEOUS

### 29 TOOLS, PAINT, LUBRICANTS

- 29.1 TOOLS / PAINTS
- 29.2 SPLIT FLANGE CLAMPS
- 29.3 CLAMPS

### 30 DECALS & PLACARDS

- 30.1 MARKING DECAL PLACEMENT
- 30.2 MARKING DECAL PLACEMENT
- 30.3 MARKING DECAL PLACEMENT

### ELECTRICAL

### 33 ELECTRICAL SYSTEM

- 33.1 ELECTRICAL SYSTEM  
HARNESSES
- 33.2 ELECTRICAL SYSTEM  
CONSOLE CONTROLS
- 33.3 ELECTRICAL SYSTEM  
OUTRIGGER ALARM SWITCH



# PARTS GROUPS

## BT3000

### WINCH, BOOM, & ATTACHMENTS

#### 39 HYDRAULIC TELESCOPING BOOMS

- 39.1 BOOM ASSEMBLY - 63' BASE
- 39.2 BOOM ASSEMBLY - 63'  
2ND STAGE
- 39.3 BOOM ASSEMBLY - 63'  
3RD STAGE
- 39.4 EXTENSION CYLINDER  
ASSEMBLY - 63' BOOM
- 39.5 CABLE GUIDE INSTALLATION  
63' BOOM
- 39.6 BOOM ASSEMBLY - 70' BASE
- 39.7 BOOM ASSEMBLY - 70'  
2ND STAGE
- 39.8 BOOM ASSEMBLY - 70'  
3RD STAGE
- 39.9 EXTENSION CYLINDER  
ASSEMBLY - 70' BOOM
- 39.10 CABLE GUIDE INSTALLATION  
70' BOOM
- 39.11 BOOM INSTALLATION
- 39.12 TOPPING CYLINDER  
ASSEMBLY
- 39.13 TOPPING CYLINDER

#### 39A JIB

- 39A.1 JIB ASSEMBLY - SINGLE  
STAGE
- 39A.2 JIB ASSEMBLY - TWO STAGE
- 39A.3 JIB STOWAGE

#### 40 HYDRAULIC WINCH

- 40.1 WINCH MOTOR
- 40.2 WINCH ASSEMBLY
- 40.3 WINCH ASSEMBLY
- 40.4 WINCH BRAKE VALVE

#### 44 HOOK BLOCKS, BALLS

- 44.1 HOOK BLOCK - 1 SHEAVE /  
17.5 TON
- 44.2 HOOK BLOCK - 2 SHEAVE /  
22.5 TON
- 44.3 HOOK BALL - 6 1/4 TON
- 44.4 HOOK BALL - 5 TON

#### 45 WIRE ROPE AND REEVING

- 45.1 WIRE ROPE AND REEVING



# PARTS GROUPS

## BT3000

### ACCESSORIES

#### 51 OPTIONAL EQUIPMENT

- 51.1 TOOL BOX - INSTALLATION
- 51.2 OIL COOLER INSTALLATION
- 51.3 FRONT BUMPER OUTRIGGER -  
INSTALLATION
- 51.4 FRONT BUMPER OUTRIGGER  
ASSEMBLY
- 51.5 FRONT BUMPER OUTRIGGER  
ASSEMBLY
- 51.6 FRONT BUMPER OUTRIGGER  
VALVE
- 51.7 HYDRAULIC PIPING / WIRING -  
CONTINUOUS ROTATION OPT.
- 51.8 HYDRAULIC SWIVEL /  
COLLECTOR RING CON. ROT.
- 51.9 MAIN VALVE PIPING -  
CONTINUOUS ROT. OPT.
- 51.10 WINCH VALVE PIPING -  
CONTINUOUS ROT. OPT.
- 51.11 2 SPEED WINCH OPTION
- 51.12 MOTOR SHIFT WINCH - OPTION
- 51.13 1 PERSON STEEL PLATFORM -  
ASSEMBLY
- 51.14 SELF LEVELING PLATFORM -  
ASSEMBLY
- 51.15 SELF LEVELING PLATFORM -  
ASSEMBLY
- 51.16 2 PERSON STEEL PLATFORM -  
ASSEMBLY
- 51.17 2 PERSON STEEL PLATFORM -  
ASSEMBLY
- 51.18 RADIO REMOTE CONTROL
- 51.19 RADIO REMOTE CONTROL
- 51.20 RADIO REMOTE CONTROL -  
THROTTLE INSTALLATION
- 51.21 RADIO REMOTE CONTROL -  
RELAY BOX ASSEMBLY
- 51.22 WINCH CABLE TENSIONER -  
ASSEMBLY
- 51.23 ROOFER'S PACKAGE
- 51.24 ROOFER'S PACKAGE
- 51.25 ROOFER'S PACKAGE -  
INSTALLATION
- 51.26 HYD GROUND TOOL CIRCUIT
- 51.27 AUXILIARY SHEAVE

#### 52 RATED CAPACITY INDICATOR

- 52.1 GREER MG586 RCI ASSEMBLY
- 52.2 GREER MG586 COMPUTER
- 52.3 GREER MG586 REEL
- 52.4 GREER MG586 DISPLAY
- 52.5 ANGLE DISPLAY (OPTION)



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

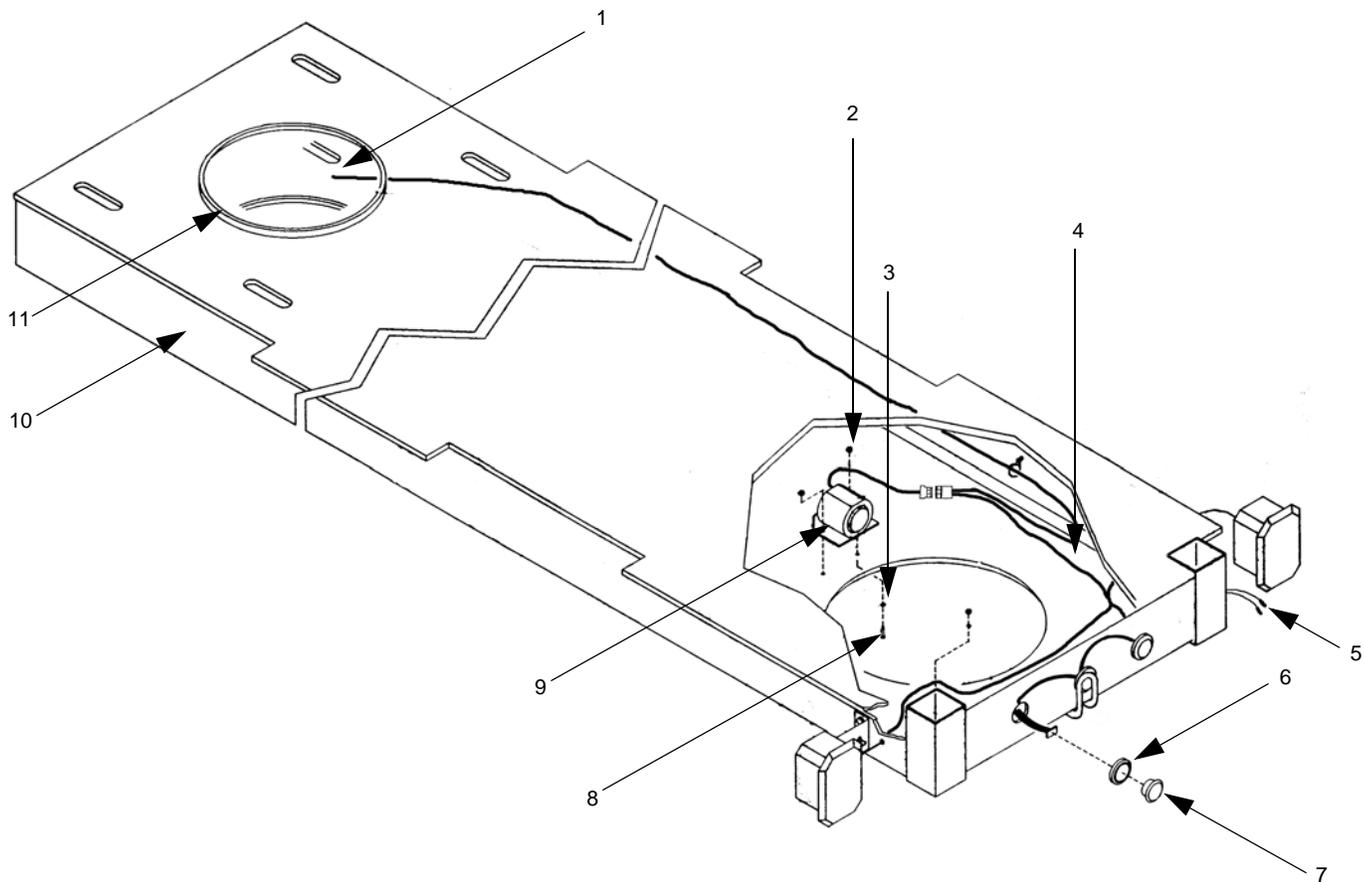
DATE: Revised 10-2006

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GROUP

**2**



<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	400-02323	Ring Terminal, #8 16/14ga .....	2
2	220-00003	HHCS, 1/4-20NC X .75 GR5 ZIN.....	9
3	222-00006	Flat Washer 1/4 Zinc Plate .....	9
4	400-25163	Wire Harness, Tail Light - Alarm.....	1
5	400-02230	Terminal - Butt Connection 14-16Ga.....	2
6	400-09318	Grommet 2 1/2" Light .....	3
7	400-09113	Light 2 1/2 Red Reflective.....	3
8	221-90001	Nut, HH Top Lock 1/4UNC .....	3
9	714A1432	Alarm, Backup/Outrigger .....	1
10	701-00698	Sub-Frame - Weldment, 18Ft. 3063 .....	1
	701-00694	Sub-Frame - Weldment, 20Ft. 3470 .....	1
11	209-00174	Trim - Seal .....	10'

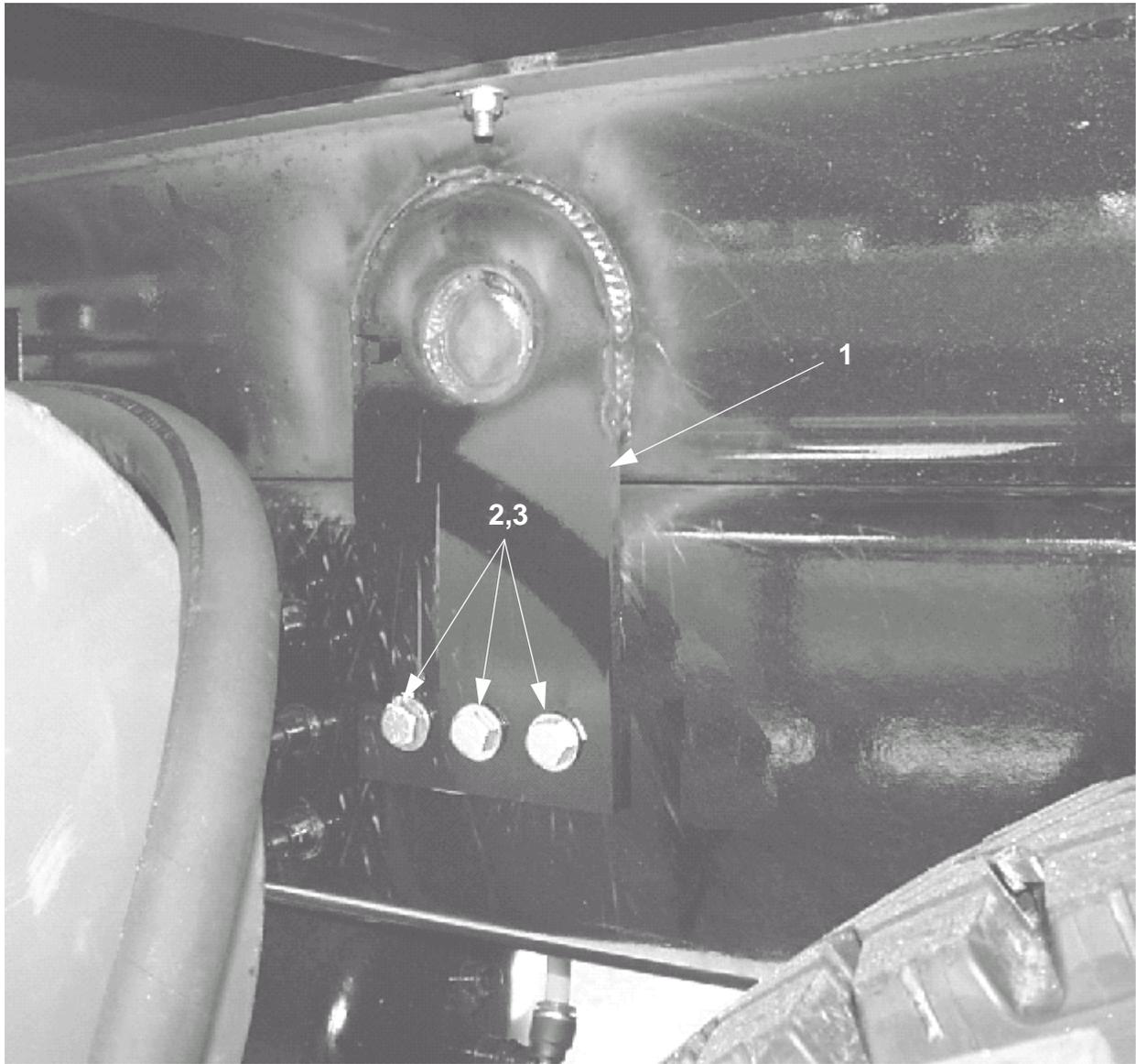
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**SUBFRAME ASSEMBLY**

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**GROUP**  
**2**



<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 x2 1/2" 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



## SUBFRAME INSTALLATION

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**GROUP**  
**2**



### BT3063

PART NUMBER	FLATBED OPTION
600-38018	18' Wood Flatbed
600-38019	18' STD Steel Flatbed (3063)
600-38124	18' Steel Super Duty Flatbed
600-38118	18' Wood Super Duty
600-38128	18' Steel/Wood Super Duty

### BT3470

PART NUMBER	FLATBED OPTION
600-38020	20' Wood Flatbed
600-38021	20' STD Steel Flatbed (3470)
600-38125	20' Steel Super Duty
600-38129	20' Steel/Wood

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



## FLATBED OPTIONS

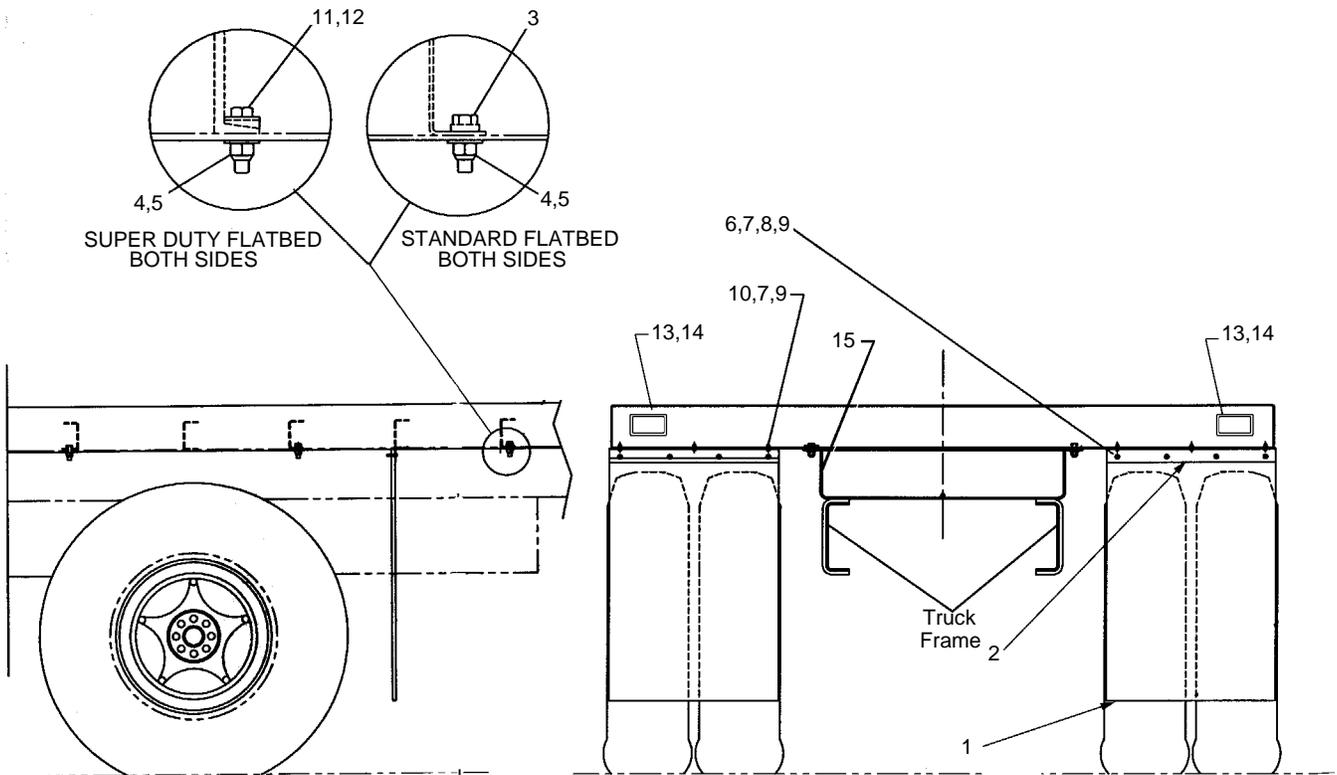
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GROUP

**2**



REF	PART NO	DESCRIPTION	QTY
1	209-00461	Mud Flap, 1/2 x 24 x 36 Logo White.....	2
2	785-00561	Angle support, Mud Flap .....	2
3	709-00160	Weldment Bolt, Flatbed Tiedown .....	14
4	221-94002	Nut Toplock1/2-13 .....	14
5	222-04009	Washer, Flat Hard Zinc 1/2 .....	14
6	220-00004	Cap Screw, Hex head1/4-20NC x 1.25 .....	8
7	221-90001	Nut, TopLock.....	14
8	222-00019	Washer, Flat.....	8
9	222-00006	Washer, Flat.....	14
10	220-00003	Capscrew Hex Head .....	6
11	220-04001	Cap Screw, Hex head1/2-13NC x 2 .....	14
12	222-32005	Bevel Washer 1/2" .....	14
13	400-09371	Marker Light, Red W/Grommet (Rear) .....	4
14	400-09372	Marker Light, Amber W/Grommet (Front)..	4
15	PG 2.2	Subframe.....	1

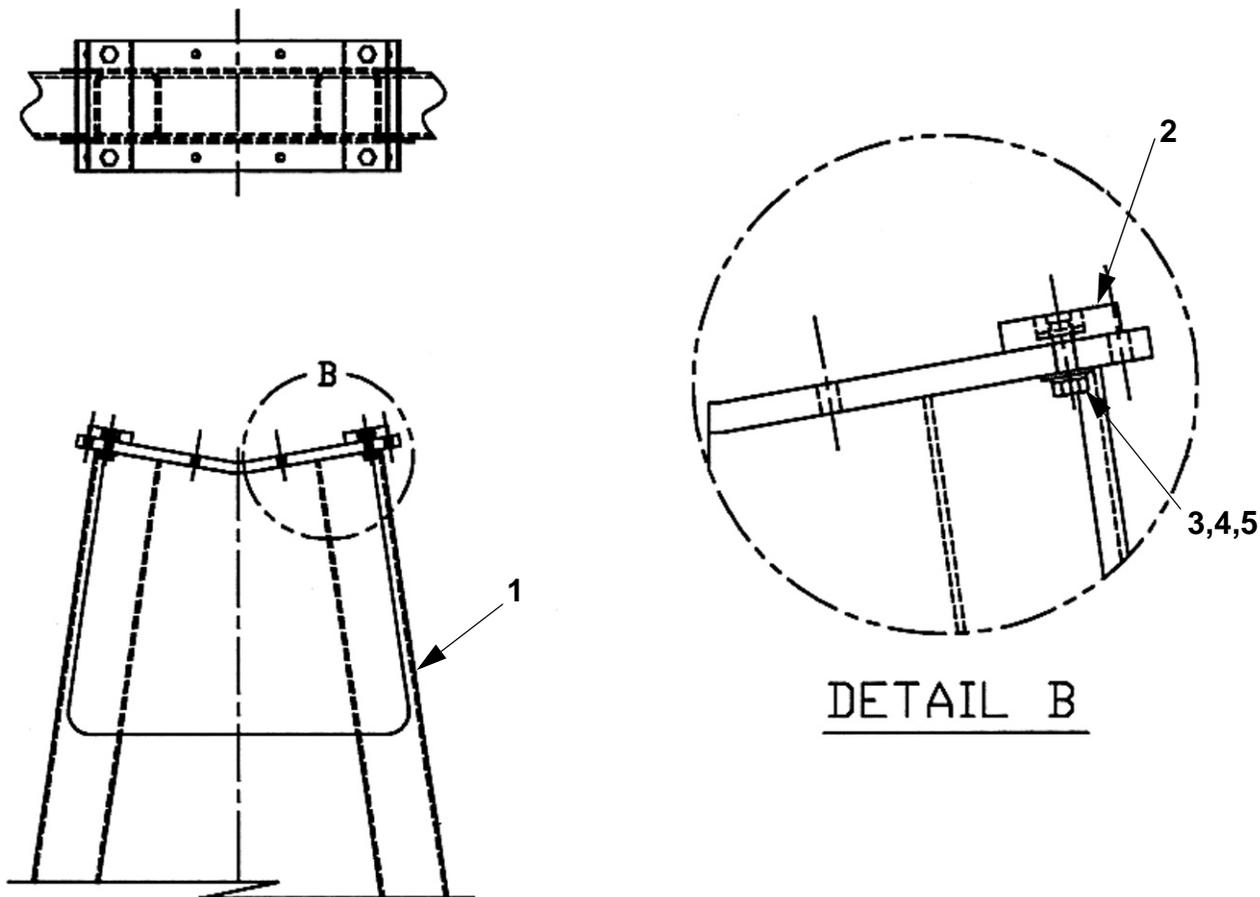
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



## FLATBED INSTALLATION

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GROUP  
**2**



DETAIL B

<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	698-00063-2	Boom Rest Assembly.....	1
1	709-01212	Boom Rest Weldment.....	1
2	729-02175	Pad, Wear, 2 x 6 PLYSERT.....	2
3	220-01005	HHCS 5/16-18NC x 1 " GR5.....	4
4	222-01001	Washer, Flat, 5/16, PLTD.....	20
5	222-11002	Washer, Lock, 5/16 Med., PLTD.....	12

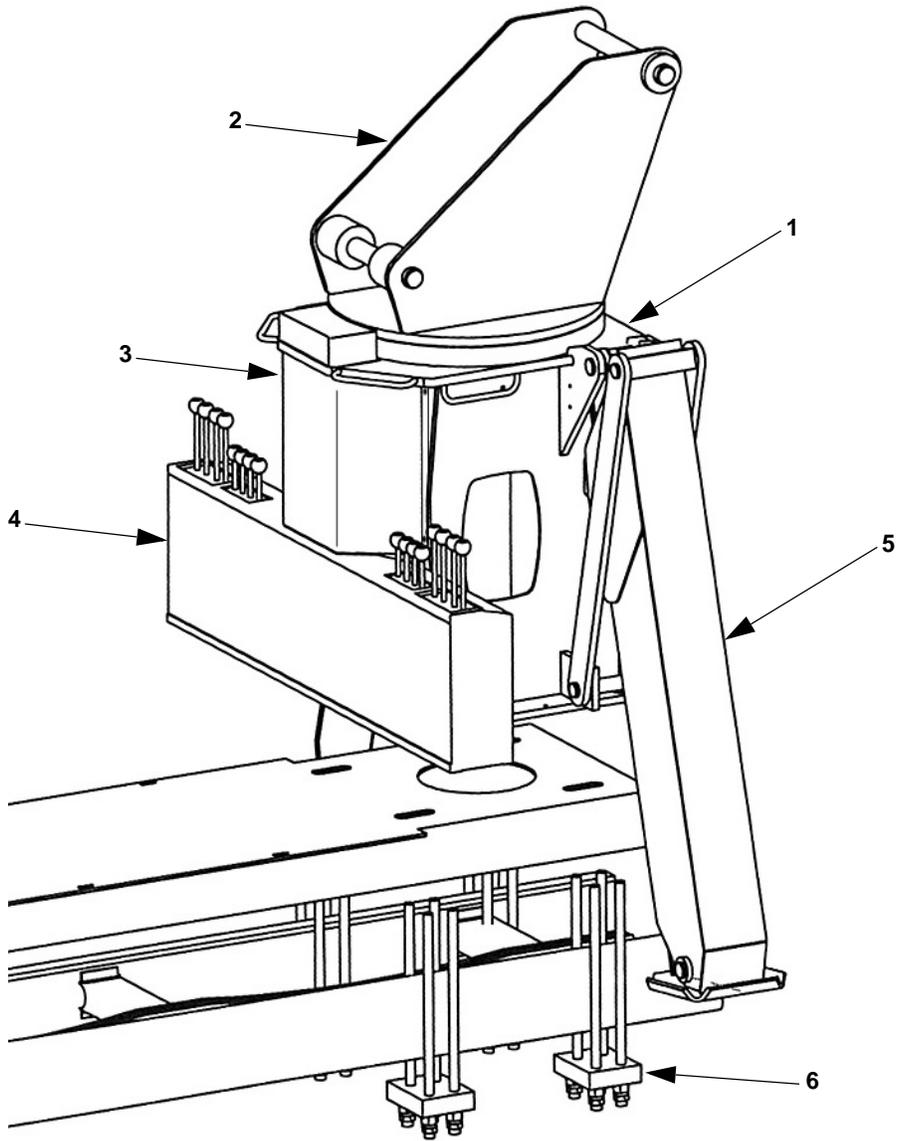
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**BOOM REST ASSEMBLY**

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**GROUP**  
**2**



<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	701-00577	Mainframe 3000 series	
2	Page 12.2	Turret Installation,	
3	Page 22.1	Rotation Gearbox Installation	
4	Page 28.1	Control Console Assembly	
5	Page 3.2	Main Outrigger Leg Assembly	
6	Page 2.8	Mainframe Installation	

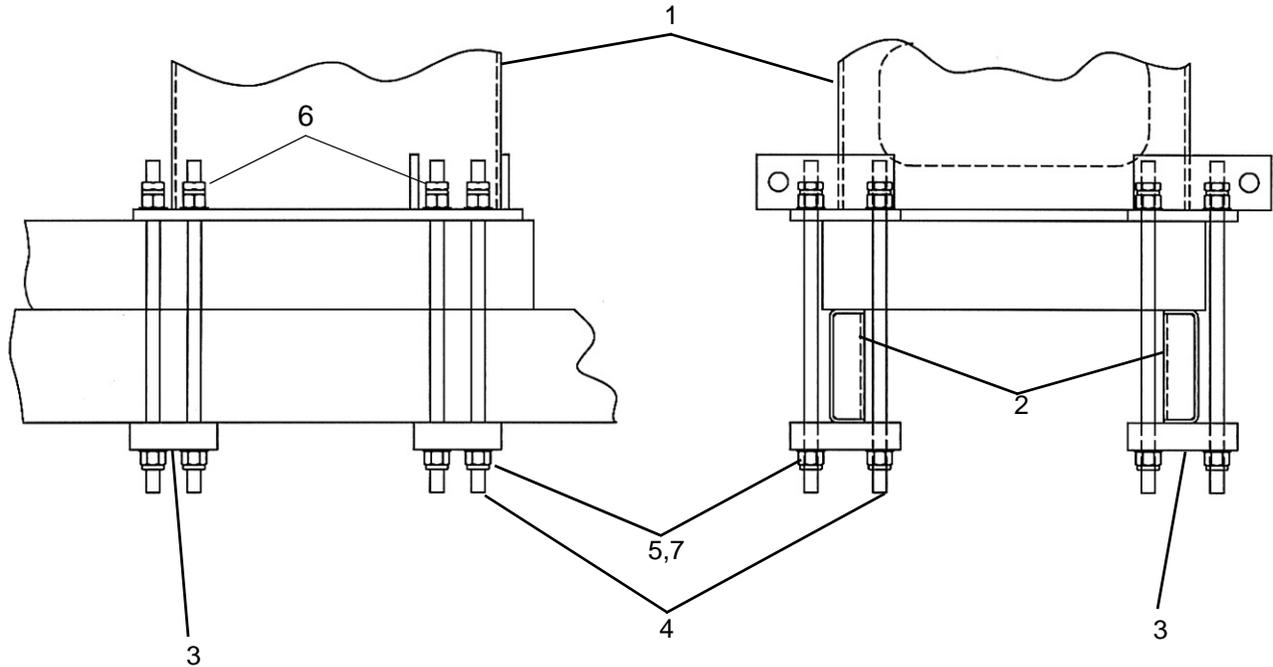
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



## MAINFRAME INSTALLATION

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**GROUP**  
**2**



REF	PART NO	DESCRIPTION	QTY
1	Page 2.7	Mainframe Sub-Assembly, 3000 series .....	
2	021-40046	Frame Stiffener .....	4
3	783-02895	Clamp Bar .....	4
4	220-09090	Tiedown Stud 1 1/4 -12 x 28" .....	16
5	221-99014	Lock Nut 1 1/4" NF .....	32
6	221-29006	Jam Nut 1 1/4" NF .....	16
7	222-09005	Flat Washer 1 1/4" Hard .....	32

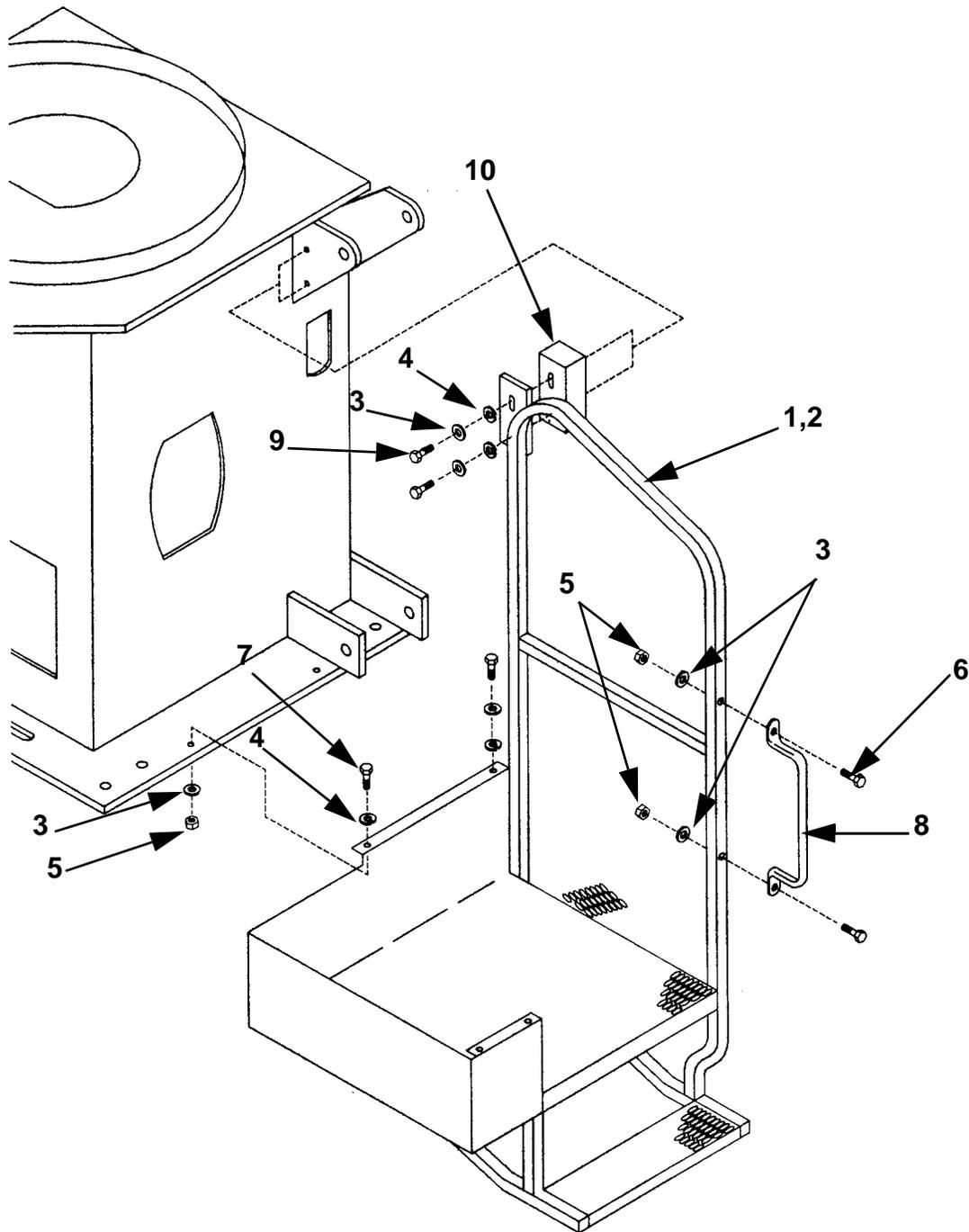
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



## MAINFRAME INSTALLATION

DATE: Revised 10-2006  
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 Page 2.8

GROUP  
**2**



REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
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 1 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
5	221-02001	Nut, Hex 3/8NC .....	8	10	783-02896	Bar, spacer .....	2

\*ITEM NOT SHOWN

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



## OPERATOR PLATFORM Installation

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MODEL: BT3000 Series

Page 2.9

**GROUP  
2**



2

1

3

<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	Page 3.2	Main Outrigger Assembly .....	2
2	Page 3.5	Auxiliary Outrigger Assembly .....	1
3	Page 51.3	Front Bumper Stabilizer (option) .....	1

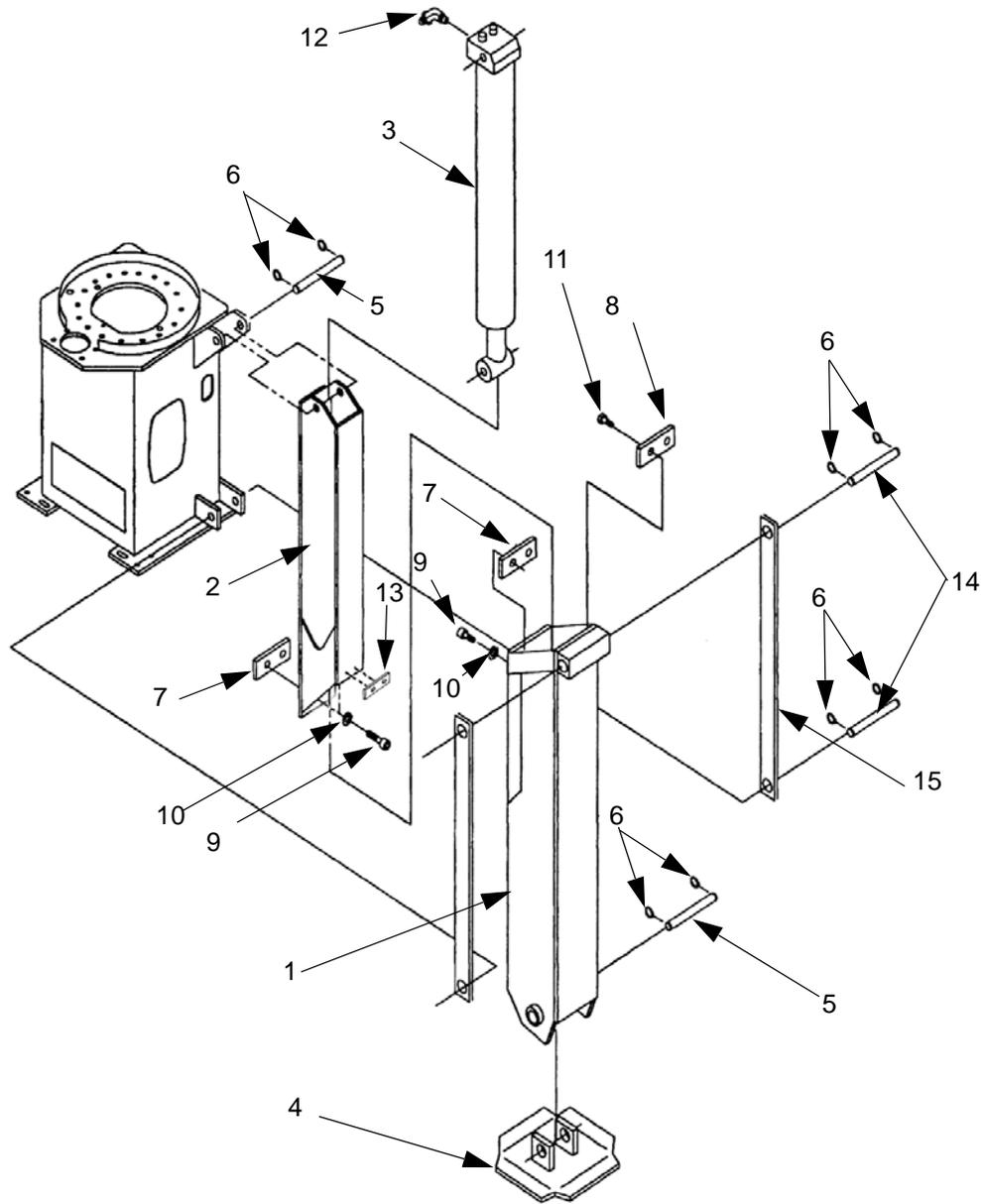
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



**OUTRIGGERS**

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Page 3.1

**GROUP  
3**



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	760-00292	Main Outrigger Assembly, .....	Ref	8	729-02239	Wear Pad, 3 1/2 x 6 1/2 CSK.....	1
1	760-10316	Outer Weldment, Main Outrigger Leg ..	1	9	220-01005	Hex Head Cap Screw 5/16-18 x 1" .....	6
2	760-10314	Inner Weldment, Main Outrigger Leg ...	1	10	222-11002	Washer, Lock 5/16 .....	6
3	Page 3.4	Cylinder, Main Outrigger .....	1	11	223-00306	FHMS.....	2
4	760-30163	Shoe Weldment, Outrigger.....	1	12	515-05003	Elbow, 45 Deg.....	2
5	870-50103	Pin, Outrigger.....	2	13	729-02341	Wear Pad, 1 1/2 x 3 1/2 PLYSRT .....	1
6	200-30008	Ring, retainer.....	8	14	870-50067	Pin, Link Bar .....	4
7	729-02238	wear Pad, 3 1/2 x 6 1/2 PLYSRT .....	2	15	760-90036	Link Bar.....	2

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

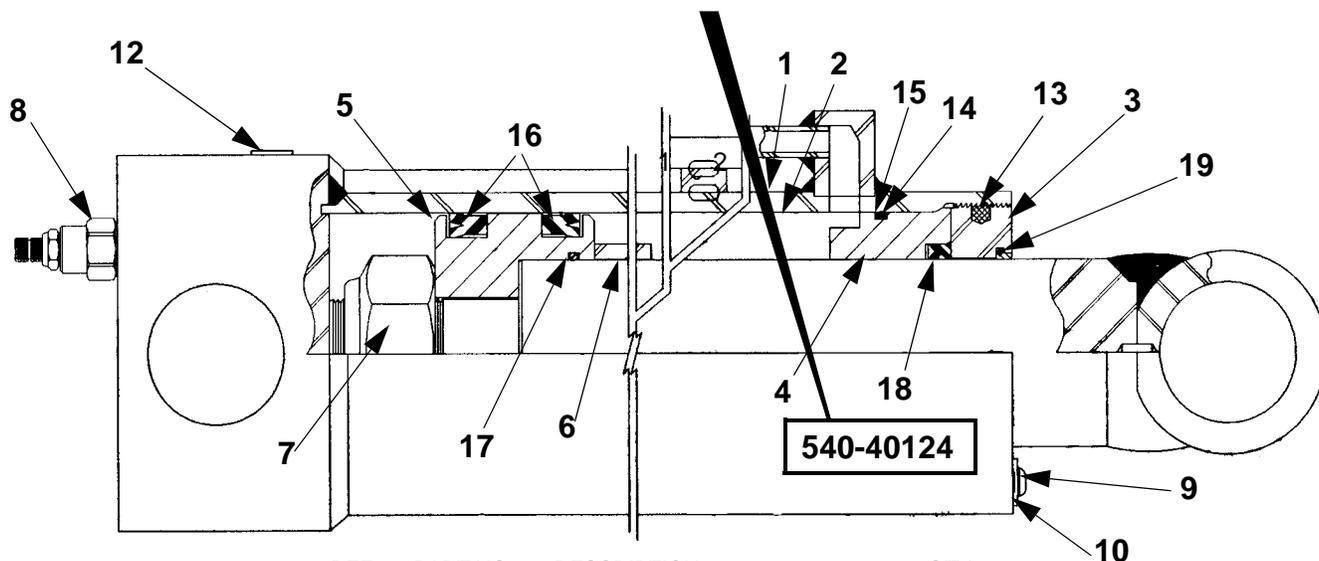


## MAIN OUTRIGGER ASSEMBLY

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 MODEL: BT3000 Series  
 Page 3.2

**GROUP**  
**3**

# 540-40124



REF	PART NO.	DESCRIPTION	QTY
	540-40124	Main Outrigger Cylinder Assembly (Goldstar).....	2
		(Includes Items 1 Through 19)	
	268-90176	Seal Kit, (For P/N 540-40124) .....	1
		(Includes Items 12 Through 19)	
1	812-00035	Case, Weldment .....	1
2	812-00036	Rod, Weldment .....	1
3	346-00747	Ring, thread .....	1
4	812-00037	Gland, Head.....	1
5	812-00033	Piston.....	1
6	812-00034	Spacer .....	1
7	812-00021	Nut, ring .....	1
8	552-00088	CB Cartridge .....	2
	059-00005	Seal Kit for CB Cartridge .....	1
9	346-00701	Screw, Cap .....	1
10	346-00702	Washer, Lock.....	1
11	812-00014	Plug, Port.....	2
12		O-Ring .....	2
13		Plug, Nylon .....	1
14		Ring, Back-Up.....	1
15		O-Ring .....	1
16		U-Cup .....	2
17		O-ring.....	1
18		U-Cup .....	1
19		Wiper- AN .....	1
<b>ALTERNATE CYLINDERS</b>			
	540-40122	Main Outrigger Cylinder Assembly .....	2
		(Great Bend)	
*	269-90081	Kit, Seal, (For P/N 540-40122) .....	1
*	540-40104	Main Outrigger Cylinder Assembly .....	2
		(Simon)	
*	268-90131	Kit, Seal, (For P/N 540-40104.....)	1

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



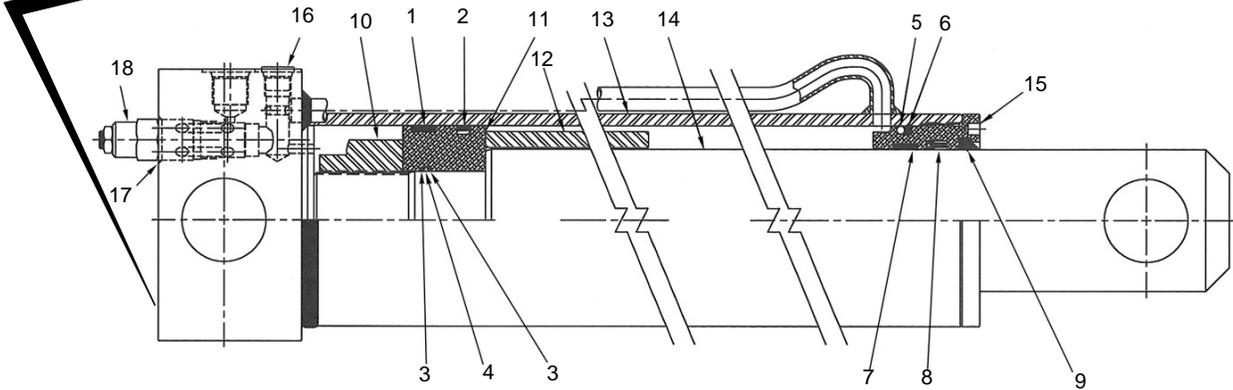
## MAIN OUTRIGGER CYLINDER

Before March 2006

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 MODEL: BT3000 Series  
 Page 3.3

GROUP  
**3**

# 540-40126



REF	PART NO.	DESCRIPTION	QTY
	540-40126	Main Outrigger Cylinder Assembly .....	2
	268-90176	Seal Kit, (For P/N 540-50126) .....	1
		(Includes Items 1 Through 9)	
1		Wear Ring .....	1
2		PSP Seal.....	1
3		Back Up Ring .....	2
4		O-Ring.....	1
5		O-Ring.....	1
6		Back Up Ring .....	1
7		Wear Ring .....	1
8		Loaded U-Cup.....	1
9		Rod Wiper .....	1
10	812-00012	Lock Nut.....	1
11	812-00033	Piston.....	1
12	812-00034	Spacer.....	2
13	812-00038	Barrel Assembly.....	1
14	812-00036	Rod .....	1
15	812-00037	Internal Head .....	1
16	812-00014	Steel Plug.....	2
17	552-00079	Check Valve.....	1
18	552-00144	Counter Balance Valve .....	1

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

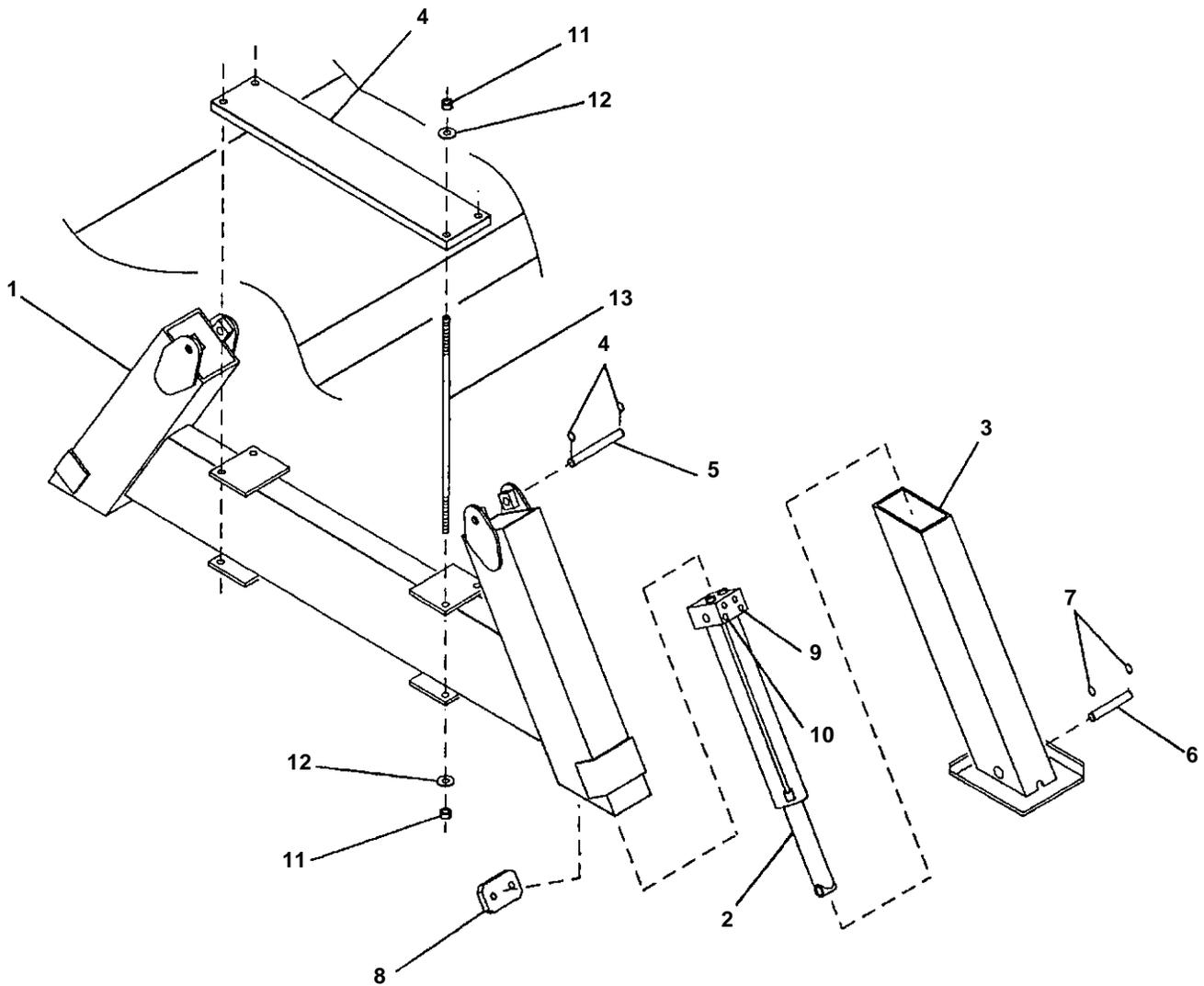


## MAIN OUTRIGGER CYLINDER

After March 2006

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**GROUP**  
**3**



REF	PART NO.	DESCRIPTION	QTY
	760-00293	Auxiliary Outrigger Assembly (Items 1-10)	
1	760-20412	Housing, Auxiliary Outrigger .....	1
2	Page 3.7	Cylinder, Auxiliary 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	514-54004	Elbow, 90 Deg. ....	2
10	513-40014	Connector, Straight.....	2
11	221-97002	Nut, Lock 3/4 NC .....	8
12	222-07005	Washer, flat.....	8
13	220-07041	Tie Down Stud 3/4NC x 36 .....	4

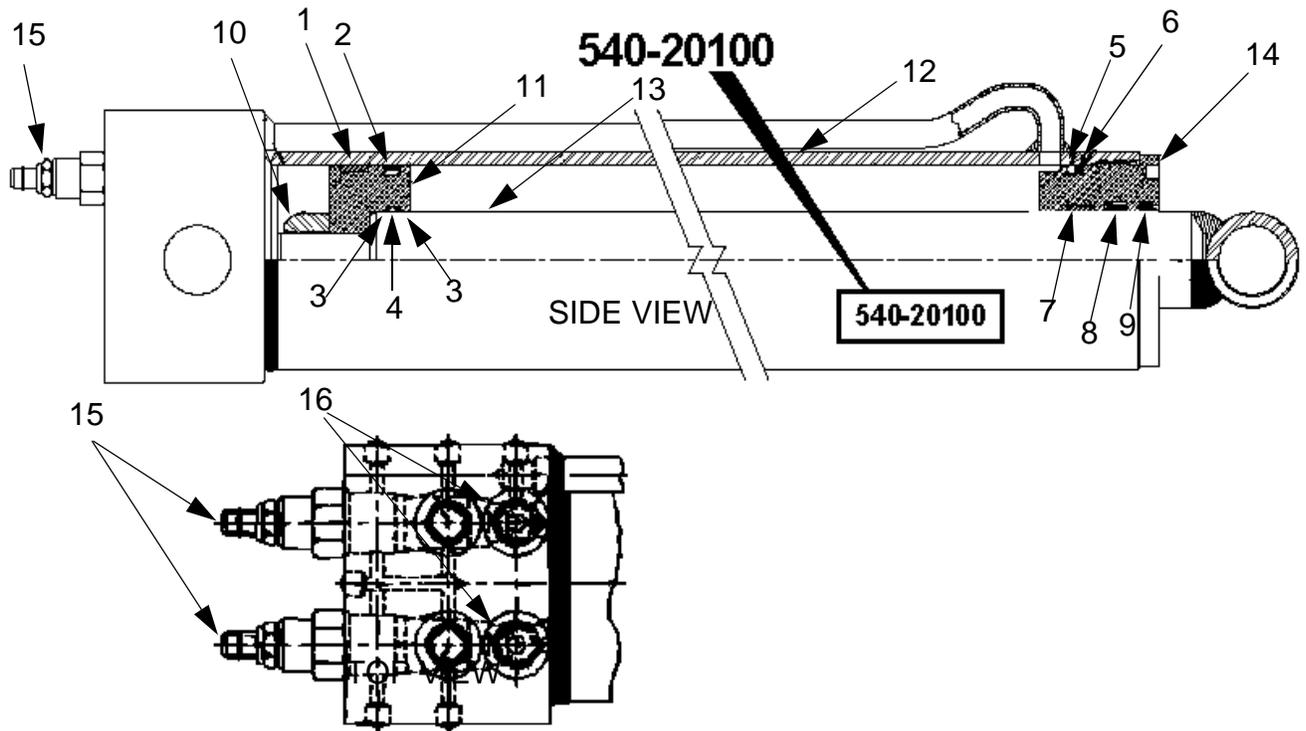
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**AUXILIARY OUTRIGGER**  
Assembly

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REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
540-20100		Auxiliary Outrigger Cylinder..... 2 (Green) (Includes Items 1 Through 15)		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)..... 1 (Includes Items 1 Through 9)		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..... 2 (Simon)		*	540-20134	Auxiliary Outrigger Cylinder..... 2 (Goldstar)	
*	268-90126	Kit, Seal, (For P/N 540-20106)..... 1 (Includes Items 1 Through 9)		*	268-90170	Kit, Seal, (For P/N 540-20134)..... 1 (Includes Items 1 Through 9)	
	540-20133	Auxiliary Outrigger Cylinder..... 2 (Great Bend)		*	540-20132	Auxiliary Outrigger Cylinder..... 2 (Goldstar)	
*	268-90158	Kit, Seal, (For P/N 540-20133)..... 1 (Includes Items 1 Through 9)		*	268-90157	Kit, Seal, (For P/N 540-20132)..... 1 (Includes Items 1 Through 9)	

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

Before March 2006

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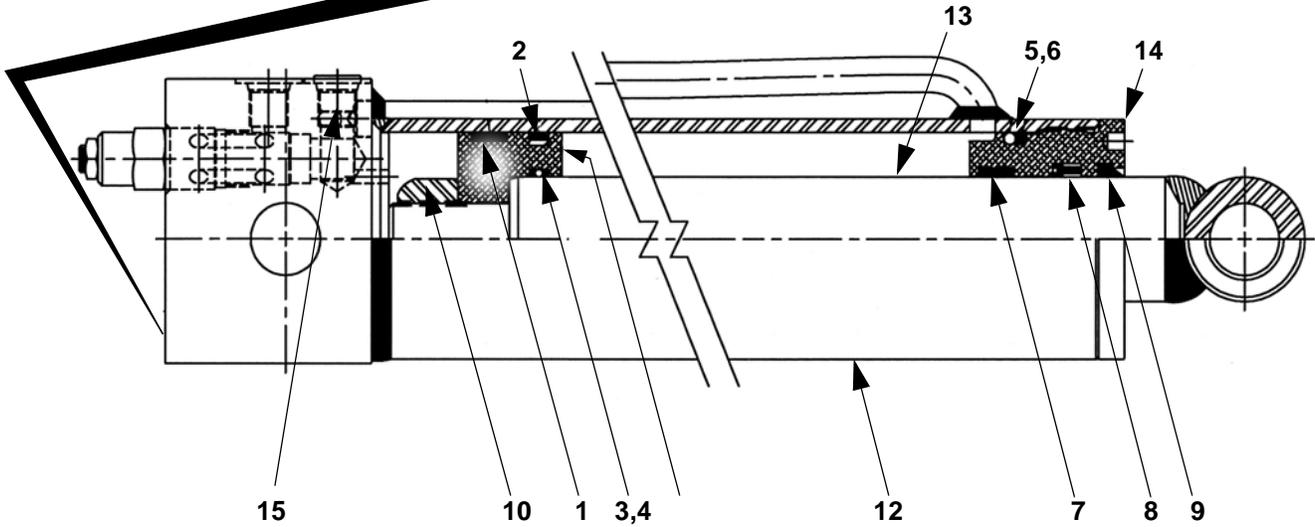
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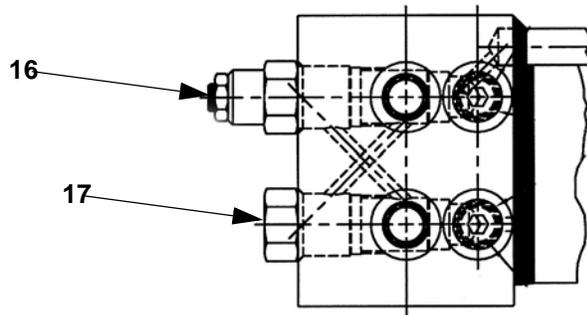
GROUP

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# 540-20143



TOP VIEW



REF	PART NO.	DESCRIPTION	QTY
	540-20143	Auxiliary Outrigger Cylinder	
*	268-90170	Seal Kit .....	
1	*	Wear Ring .....	1
2	*	PSP Seal .....	1
3	*	Back-Up Ring .....	2
4	*	O-Ring .....	1
5	*	O-Ring .....	1
6	*	Back-Up Ring .....	1
7	*	Wear Ring.....	1
8	*	Loaded U-Cup .....	1
9	*	Rod Wiper.....	1
10	812-00015	Lock Nut .....	1
11	812-00010	Piston.....	1
12	812-00039	Barrel Assembly .....	1
13	812-00017	Rod Assembly .....	1
14	812-00013	Internal Head .....	1
15	812-00014	Steel Plug .....	2
16	552-00144	Counter Balance Valve.....	1
17	552-00079	Check Valve .....	1

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



## AUXILIARY OUTRIGGER Cylinder

After March 2006

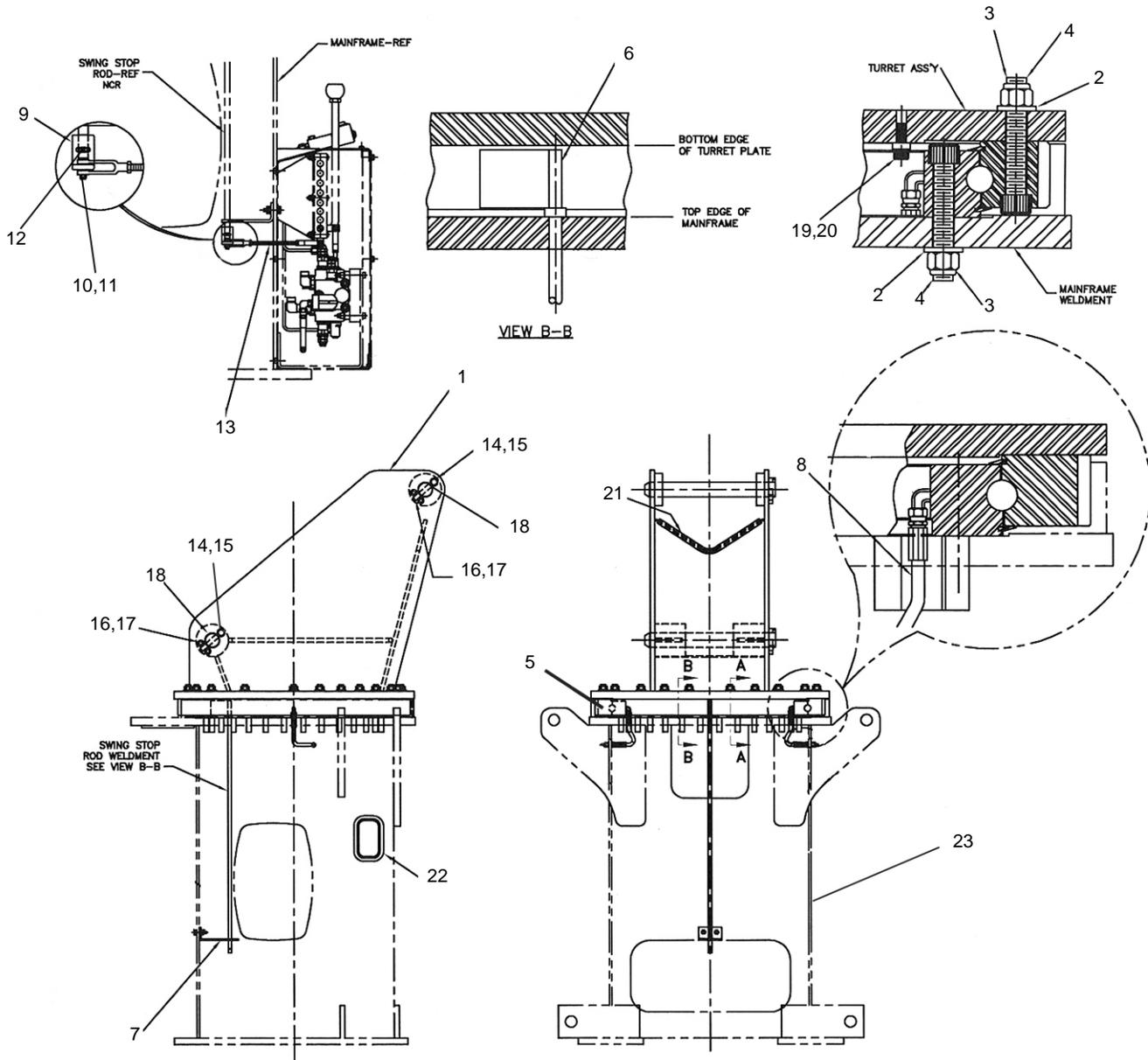
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3



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	712-00167	Turret, 3000 Series.....	1	13	806-00245	Swing Kick Out Link Assembly .....	1
2	222-07009	Washer, Flat 3/4" A325 Hard PLTD.....	54	14	224-26005	Rod End .....	2
3	1205-102	Locknut Hex 3/4-10UNC ESNA.....	54	15	220-06037	Bolt, Hex Head 5/8-11 .....	2
4	220-37023	Capscrew, Socket Head 3/4-10 UNC.....	54	16	222-16003	Washer, Lock 5/8" .....	8
5	716-00030	Swing Bearing, 3000 Series .....	1	17	220-36010	Bolt, Socket Head 5/8 .....	4
6	Page 12.3	Swing Stop Rod Weldment.....	1	18	870-70068	Pin.....	2
7	Page 12.3	Support Angle, Swing Stop.....	1	19	220-32001	Bolt socket Head 3/8-16.....	1
8	Page 12.3	Hose Assembly, Swing Bearing Lube .....	2	20	011-20013	Spacer.....	1
9	100-30028	Collar Casting, Swing stop .....	1	21	100-00802	Trim Edging 5/8 .....	2ft
10	870-00129	Clevis Pin, 5/16" .....	2	22	209-00470	Trim Edging 1/2.....	3ft
11	224-02001	Cotter Pin.....	2	23	Pg 2.7	Mainframe Weldment.....	1
12	224-14004	Roll Pin.....	1				

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

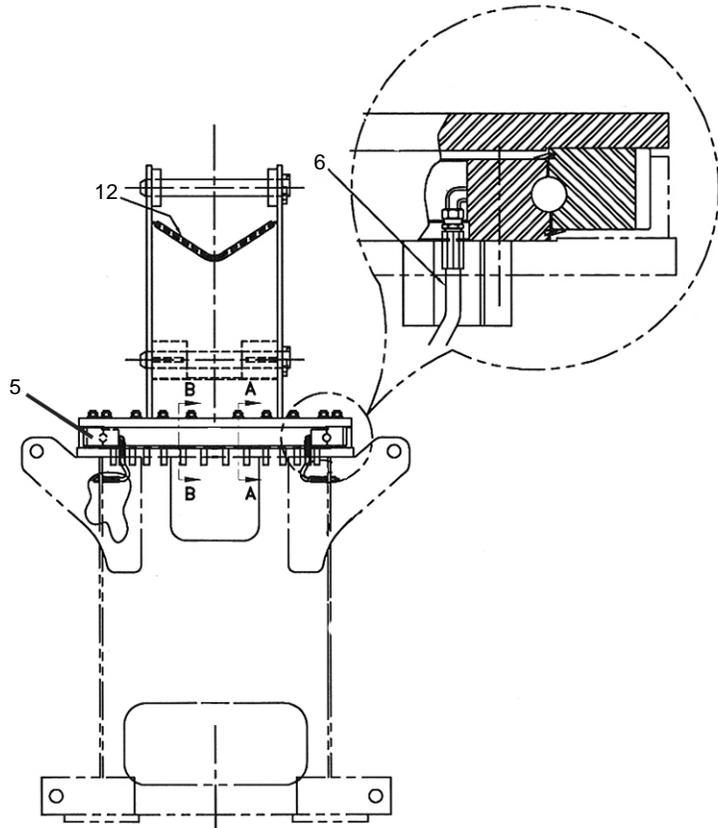
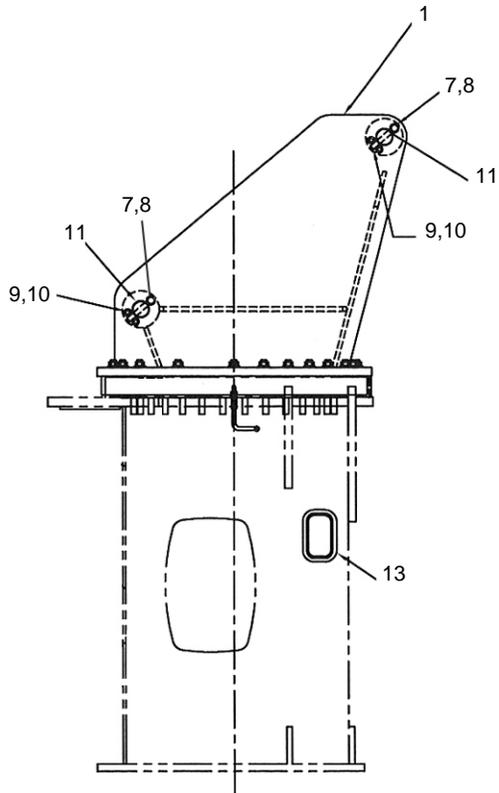
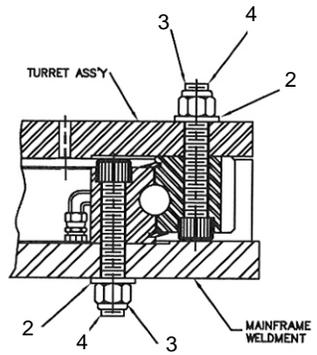


## TURRET INSTALLATION

Non-Continuous Rotation

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GROUP  
**12**



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	Pg 12.1	Turret, 3000 Series.....	1	8	220-06037	Bolt, Hex Head 5/8-11.....	2
2	222-07009	Washer, Flat 3/4" A325 Hard PLTD.....	54	9	222-16003	Washer, Lock 5/8".....	8
3	1205-102	Locknut Hex 3/4-10UNC ESNA.....	54	10	220-36010	Bolt, Socket Head 5/8.....	4
4	220-37023	Capscrew, Socket Head 3/4-10 UNC.....	54	11	870-70068	Pin.....	2
5	716-00030	Swing Bearing, 3000 Series.....	1	12	209-00802	Trim Edging 5/8.....	2ft
6	Page 12.3	Hose Assembly, Swing Bearing Lube.....	2	13	209-00470	Trim Edging 1/2.....	3ft
7	224-26005	Rod End.....	2				

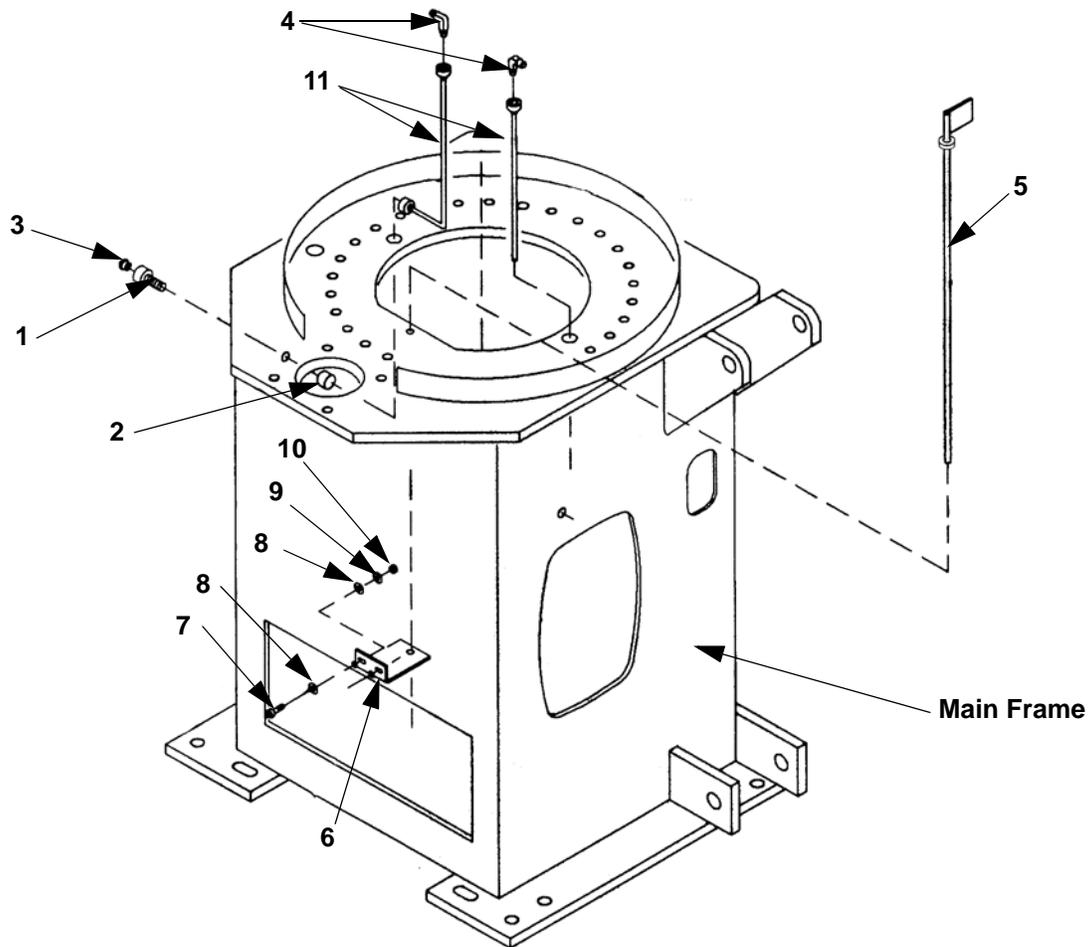
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**TURRET INSTALLATION**  
Continuous Rotation

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**GROUP**  
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REF	PART NO.	DESCRIPTION	QTY
1	518-20001	Connector, Bulkhead 1/8FPT .....	2
2	511-21001	Nut, Lock.....	2
3	501-03002	Zerk, 1/8NPT .....	2
4	514-02002	Elbow, 90 Deg. 1/4 Tube x 1/8NPT .....	2
5	719-00323	Rod, Swing Stop Weldment.....	1
6	785-01678	Angle, Swing Stop Support.....	1
7	220-01006	Screw, HHC 5/16NC x 1 1/2" Long.....	2
8	222-01001	Washer, Flat 5/16 PLTD .....	4
9	222-11002	Washer, Lock 5/16 PLTD.....	2
10	221-01001	Nut, Hex 5/16NC.....	2
11	502-00180	Hose Assembly, Swing Bearing Lube.....	2

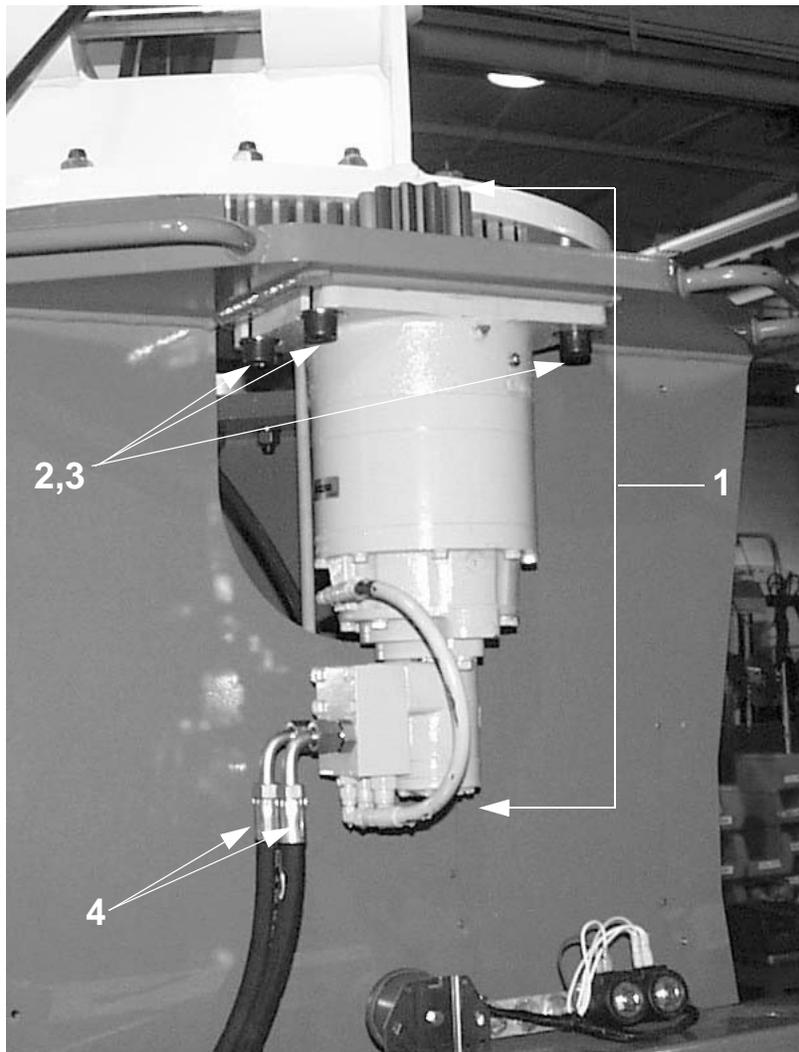
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



**SWING STOP INSTALLATION**  
Non-Continuous Rotation

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**GROUP**  
**12**



<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	Pg 22.2	Gearbox, Rotation Assembly.....	1
2	220-37020	Bolt, Socket Head, 3/4-10UNRC-3 x 2 1/4"	4
3	222-07003	Washer, Flat 3/4 PLT Hard.....	4
4	Pg 22.2	Hose, Hydraulic.....	1

NOTE: The Following Items Are Removed For Clarity

802-01646	Cover, Pinion Gear.....	1
802-01645	Cover, Front Plate .....	1
220-01004	Capscrew 5/16NC x 3/4 .....	6
222-11002	Washer, Lock 5/16 .....	6
222-01001	Washer, Flat 5/16 .....	6

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

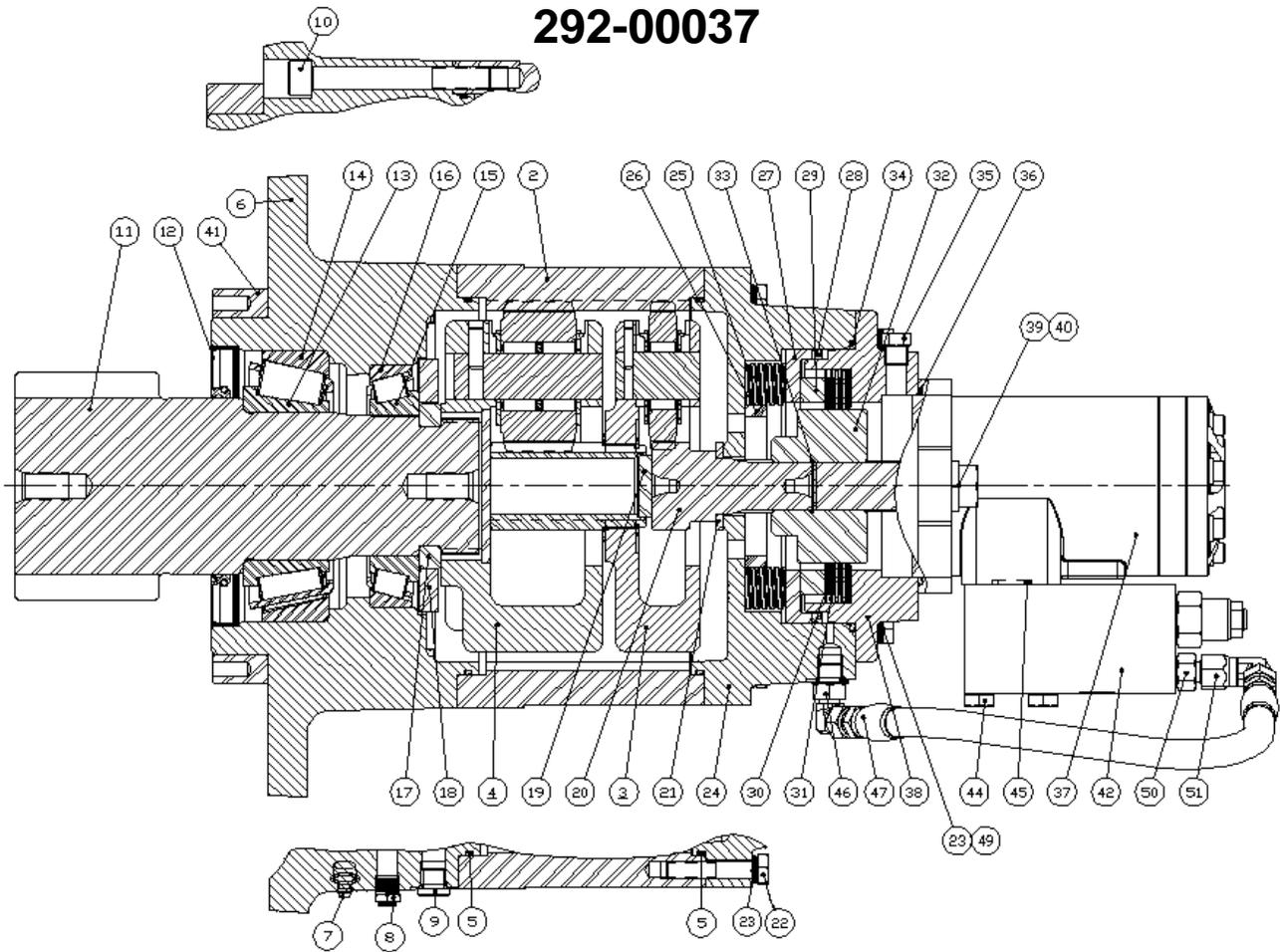


## ROTATION GEARBOX Installation

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**GROUP**  
**22**

# 292-00037



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
*	292-00037	Gearbox, Rotation .....	Ref	27	058-00685	Brake Plate .....	1
2	058-00661	Ring, Gear .....	1	28	058-00686	Seal, U-Cup .....	1
3	058-00662	Primary Planet Gear Assembly .....	1	29	058-00687	Brake Plate Spacer .....	1
4	058-00663	Output Planet Gear Assembly .....	1	30	058-00688	Friction Disc .....	3
5	058-00664	O-Ring .....	2	31	058-00689	Brake Disc .....	8
6	058-00665	Output Pinion Bearing Carrier .....	1	32	058-00690	Brake Hub .....	1
7	058-00123	Grease Fitting .....	1	33	058-00691	Retaining Ring .....	1
8	058-00047	Vent Plug .....	1	34	058-00692	O-Ring .....	1
9	058-00666	ORB Flush Plug .....	2	35	058-00693	Pipe, Plug .....	1
10	058-00667	SHCS, M10x80mm, 1.25, G12.9 .....	12	36	058-00694	O-Ring .....	1
11	058-00668	Output Pinion Gear .....	1	37	058-00696	Hydraulic Motor (5.9 cu. in.) .....	1
12	058-00670	Seal .....	1	38	058-00697	Motor Adapter .....	1
13	058-00671	Bearing Cone .....	1	39	058-00698	Capscrew, Hex Head (1/2NC x 1 1/4G5) ...	2
14	058-00672	Bearing Cup .....	1	40	058-00034	Lock washer (1/2) .....	2
15	058-00673	Bearing Cone .....	1	41	058-00699	Eccentric Ring .....	1
16	058-00674	Bearing Cup .....	1	42	058-00700	Brake Valve Block with CB Cartridges .....	1
17	058-00675	Split Ring .....	1	43	NOT USED		
18	058-00676	Split Ring Retainer .....	1	44	058-00701	Capscrew, Hex Head (5/16NC x 2 1/2G5) ..	2
19	058-00677	Thrust Washer .....	1	45	058-00702	O-Ring .....	2
20	058-00678	Primary Sun Gear .....	1	46	058-00703	Elbow fitting, 90 Deg. .....	1
21	058-00679	Thrust Washer .....	1	47	058-00704	Hose Assembly .....	1
22	058-00680	SHCS M8x35, 1.25, G10.9) .....	8	48	NOT USED		
23	058-00681	Lock washer, Metric (8mm) .....	16	49	058-00705	SHCS M8x25mm, 1.25 G10.9 .....	8
24	058-00682	Brake Housing .....	1	50	058-00706	Adapter .....	1
25	058-00683	Spring .....	6	51	058-00707	Swivel Nut 90 Deg. .....	1
26	058-00684	Spring Spacer .....	1				

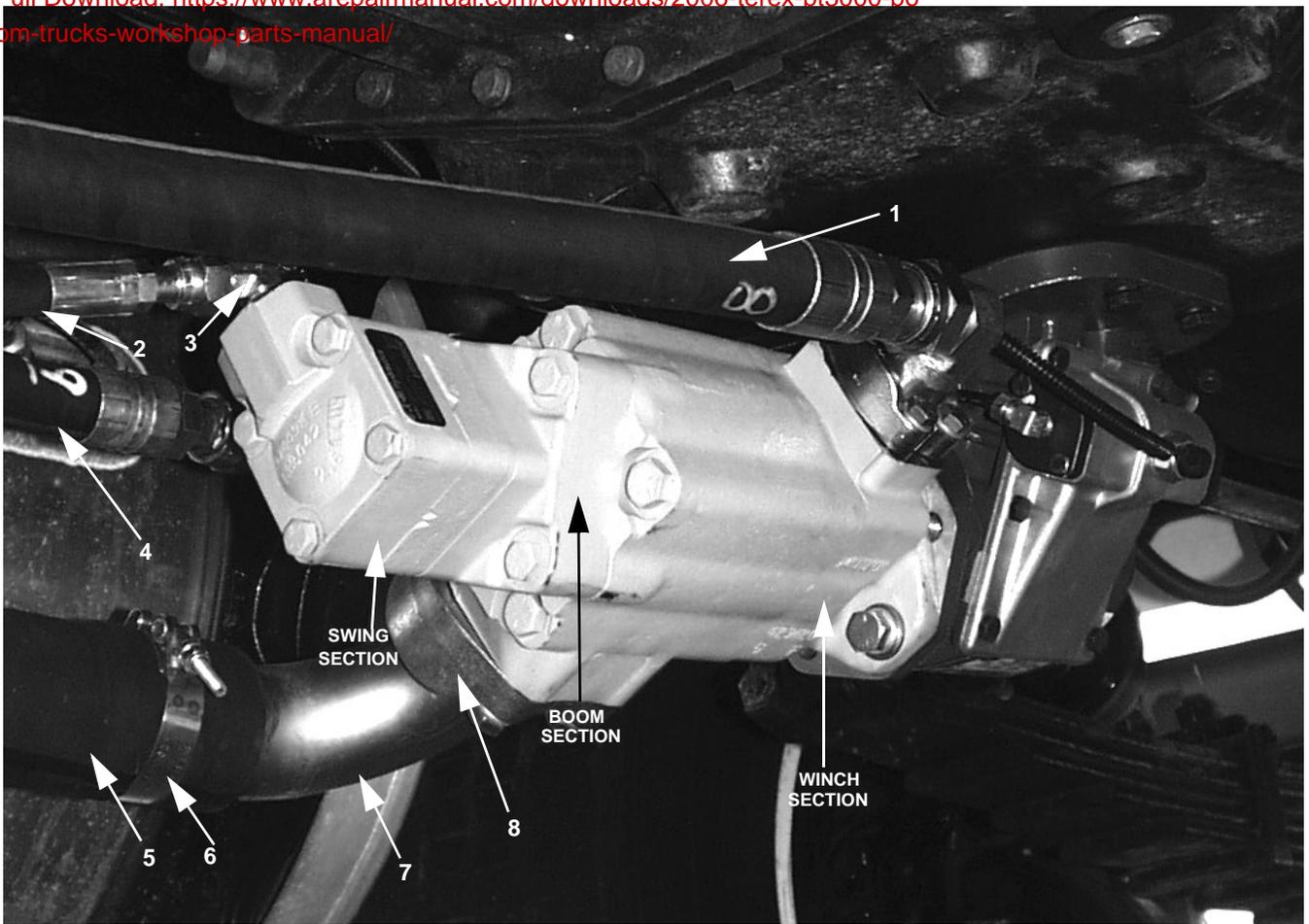
**WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED**



## ROTATION GEARBOX ASSEMBLY

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<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	Page 24.2	Triple Vane Hydraulic Pump	
1	502-50521	Hose, 1.0" Winch Pump .....	1
2	502-30749	Hose, .5" Swing Pump .....	1
3	514-55011	90, Elbow M#8 OFS x M#8 ORB .....	1
4	502-40929	Hose, .75" Boom Pump .....	1
5	503-06008	Pump Suction Hose .....	1
6	201-00248	Bolt Hose Clamp 3" .....	1
7	504-03509	90 Hose End, beaded .....	1
8	505-06004	Split Flange kit, 2.5" .....	1
*	505-01002	Split Flange Kit, .75" .....	1
*	505-02002	Split Flange Kit, 1.0" .....	1
		* ITEM NOT SHOWN	

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

Sample of manual. Download All 114 pages at:

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**TEREX HYDRAULIC PUMP INSTALLATION**

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