

Product: 2004-2007 Terex BT4000 Boom Trucks Workshop Parts Manual
Full Download: <https://www.arepairmanual.com/downloads/2004-2007-terex-bt4000-boom-trucks-workshop-parts-manual/>



PARTS MANUAL

BT4000

Sample of manual. Download All 117 pages at:
<https://www.arepairmanual.com/downloads/2004-2007-terex-bt4000-boom-trucks-workshop-parts-manual/>

12261-286

BT4000 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.

© TEREX CRANES 2004

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.



BT4000

PARTS GROUPS

25 HYDRAULIC SYSTEM

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

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 HARNESSSES
- 33.2 ELECTRICAL SYSTEM CONSOLE CONTROLS
- 33.3 ELECTRICAL SYSTEM OUTRIGGER ALARM SWITCH

**TEREX**

PARTS GROUPS

BT4000

WINCH, BOOM, & ATTACHMENTS

39 HYDRAULIC TELESCOPING BOOMS

- 39.1 BOOM ASSEMBLY - 92' BASE
- 39.2 BOOM ASSEMBLY - 92'
2ND STAGE
- 39.3 BOOM ASSEMBLY - 92'
3RD STAGE
- 39.4 BOOM ASSEMBLY - 92'
4TH STAGE
- 39.5 EXTENSION CYLINDER
ASSEMBLY - 92' BOOM
- 39.6 EXTENSION CYLINDER
- 39.7 EXTENSION TUBE ASSEMBLY
92' BOOM
- 39.8 CABLE GUIDE INSTALLATION
92' BOOM
- 39.9 BOOM INSTALLATION
- 39.10 TOPPING CYLINDER
ASSEMBLY
- 39.11 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 BALLS

45 WIRE ROPE AND REEVING

- 45.1 WIRE ROPE AND REEVING



PARTS GROUPS

BT4000

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
OPTION
- 51.8 HYDRAULIC SWIVEL /
COLLECTOR RING
CONTINUOUS ROTATION
OPTION
- 51.9 MAIN VALVE PIPING -
CONTINUOUS ROTATION
OPTION
- 51.10 WINCH VALVE PIPING -
CONTINUOUS ROTATION
OPTION
- 51.11 MOTOR SHIFT 2 SPEED WINCH
OPTION
- 51.12 MOTOR SHIFT 2 SPEED 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/ATB
ASSEMBLY
- 52.2 GREER MG586 COMPUTER
- 52.3 GREER MG586 REEL
- 52.4 GREER MG586 DISPLAY
- 52.5 ANGLE DISPLAY (OPTION)

02 CARRIER FRAME



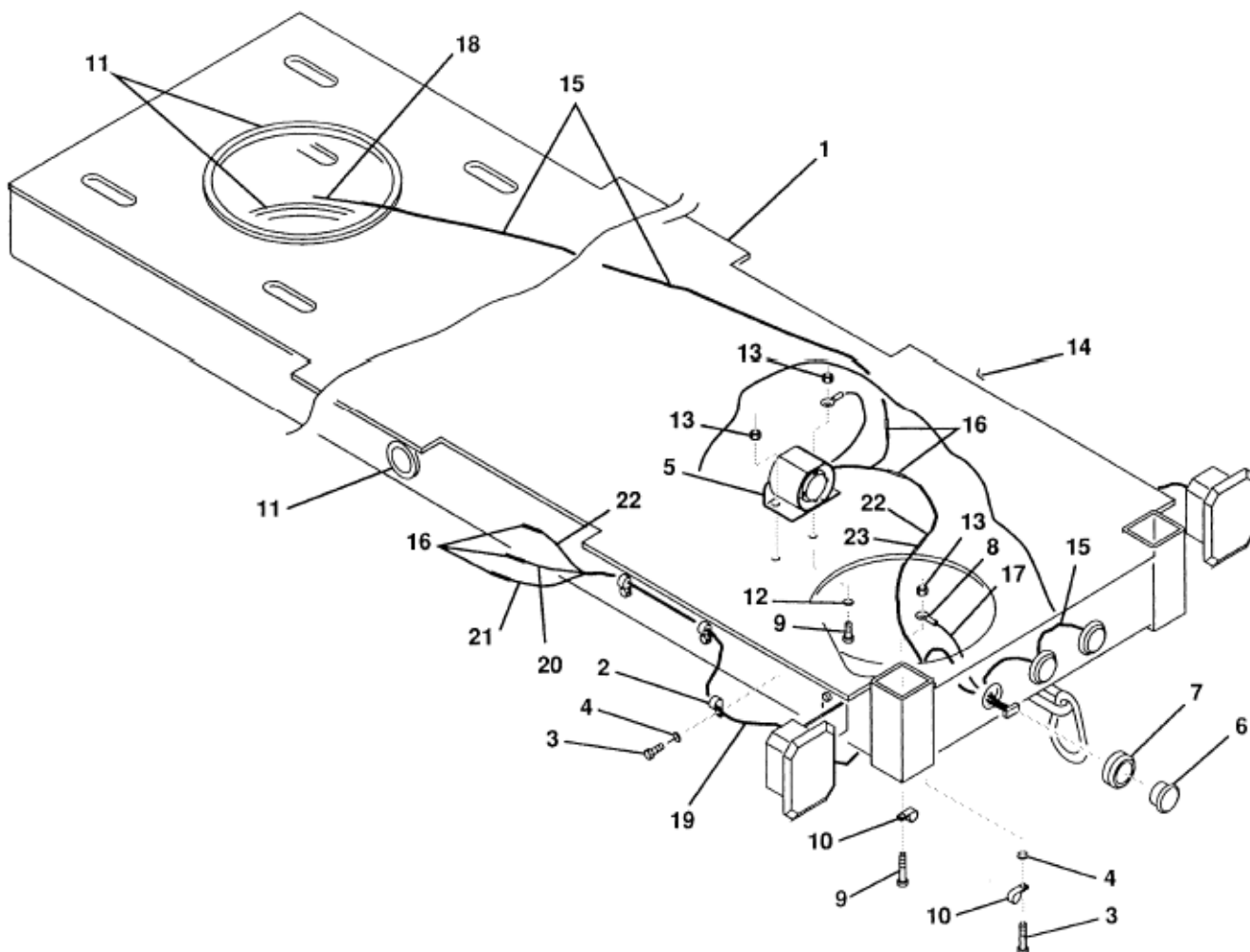
Truck Chassis

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



Sub-Frame Installation, Boom Truck (BT)s

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1*	Refer to "SUB-FRAME/FLATBED OPTIONS" on page 2.3.			13	221-90001	Nut, HH Top Lock 1/4UNC.....	3
		Sub-Frame - Weldment.....	1	14	400-01375	Wire - 16Ga Green.....	8'
2	201-00142	Clamp - Tube 1/4 x 1/2.....	8	15	400-01411	Loom - Wire 1/4 I.D.....	35"
3	223-15213	Bolt 1/4UNC x 3/4" Long.....	9	16	400-02202	Connector - Terminal Butt.....	1
4	222-10005	Washer - Lock 1/4.....	9	17	400-01248	Harness - Electrical ID Lights.....	1
5	400-05130	Horn - Outtrigger & Backup.....	1	18	400-01389	Wire - 16Ga Blue.....	26'
6	400-09094	Light.....	3	19	400-01412	Wire - Loom 3/8 I.D.....	8'
7	400-09291	Grommet.....	3	20	400-01377	Wire - 16Ga Yellow.....	8'
8	400-02298	Ring - Terminal 1/4.....	2	21	400-01378	Wire - 16Ga Black.....	8'
9	220-00003	Bolt 1/4UNC x 3/4" Long.....	3	22	400-01374	Wire - 16Ga Brown.....	11'
10	201-00141	Clamp 1/4 x 5/16.....	2	23	400-02226	Connector, Terminal Butt.....	1
11	209-00174	Trim - Seal.....	10'				
12	222-00006	Washer - Flat 1/4.....	2				

Refer to "SUB-FRAME/FLATBED OPTIONS" on page 2.3, or consult dealer for various sub-frames.

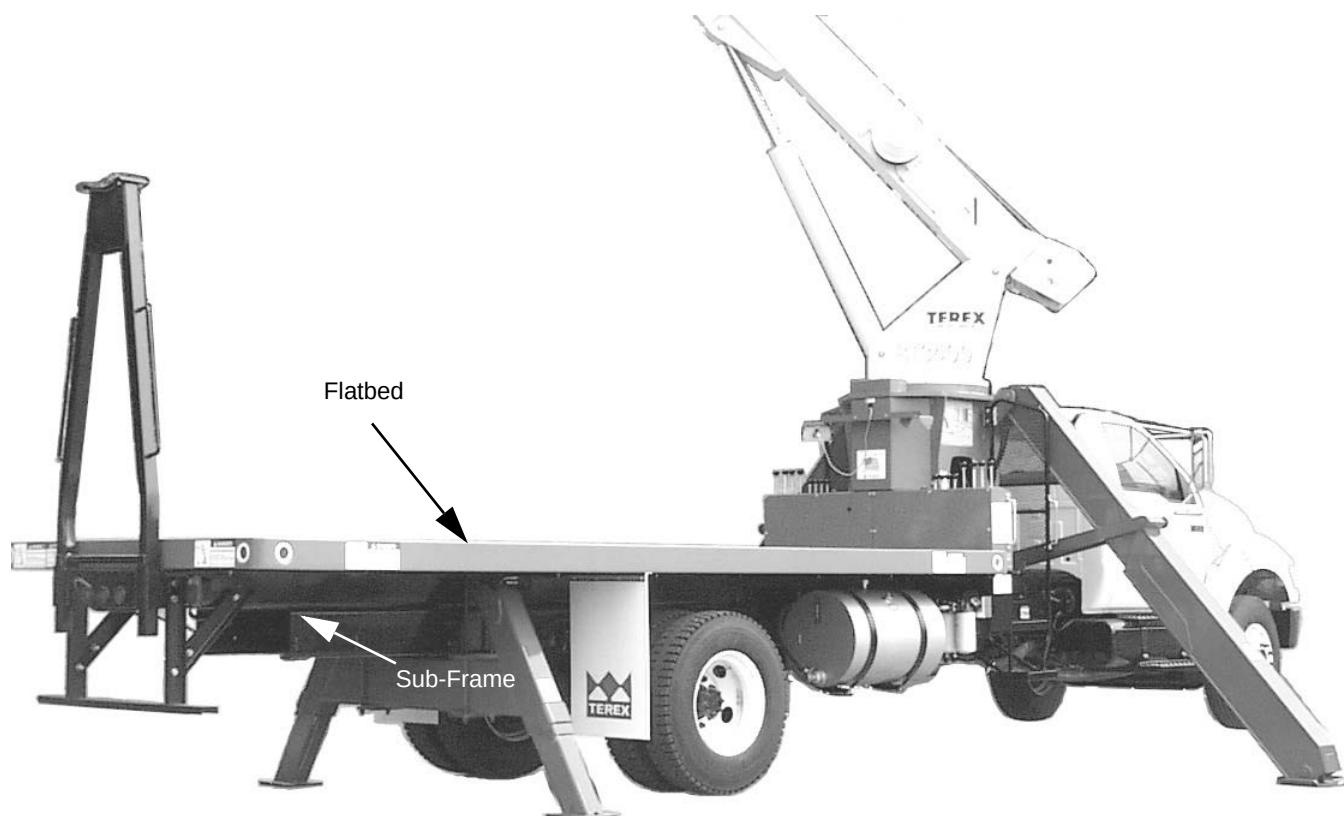
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



SUBFRAME INSTALLATION BOOM TRUCKS (BT)

DATE: Revised 03-2006
MODEL: BT4000
Page 02.2

GROUP
02



Sub Frame/Flatbed Options

Model	Bed Length	Standard Steel Flatbed	Sub-Frame
RM4792	16 Feet	600-38023	701-00554
BT4485	20 Feet	600-38021	701-00486
BT4792	21 Feet	600-38143	701-00511

NOTE* Not all options are listed above. Contact dealer for complete list of options available.

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



SUB-FRAME/FLATBED OPTIONS

DATE: Revised 03-2006

MODEL: BT4000

Page 02.3

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>
1	709-01251	Plate - Shear	1	3	222-06010	Washer - Flat 5/8	12
2	220-06032	Bolt 5/8UNC x1/2" Long	6	4	221-96005	Nut - Lock 5/8UNC.....	6

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



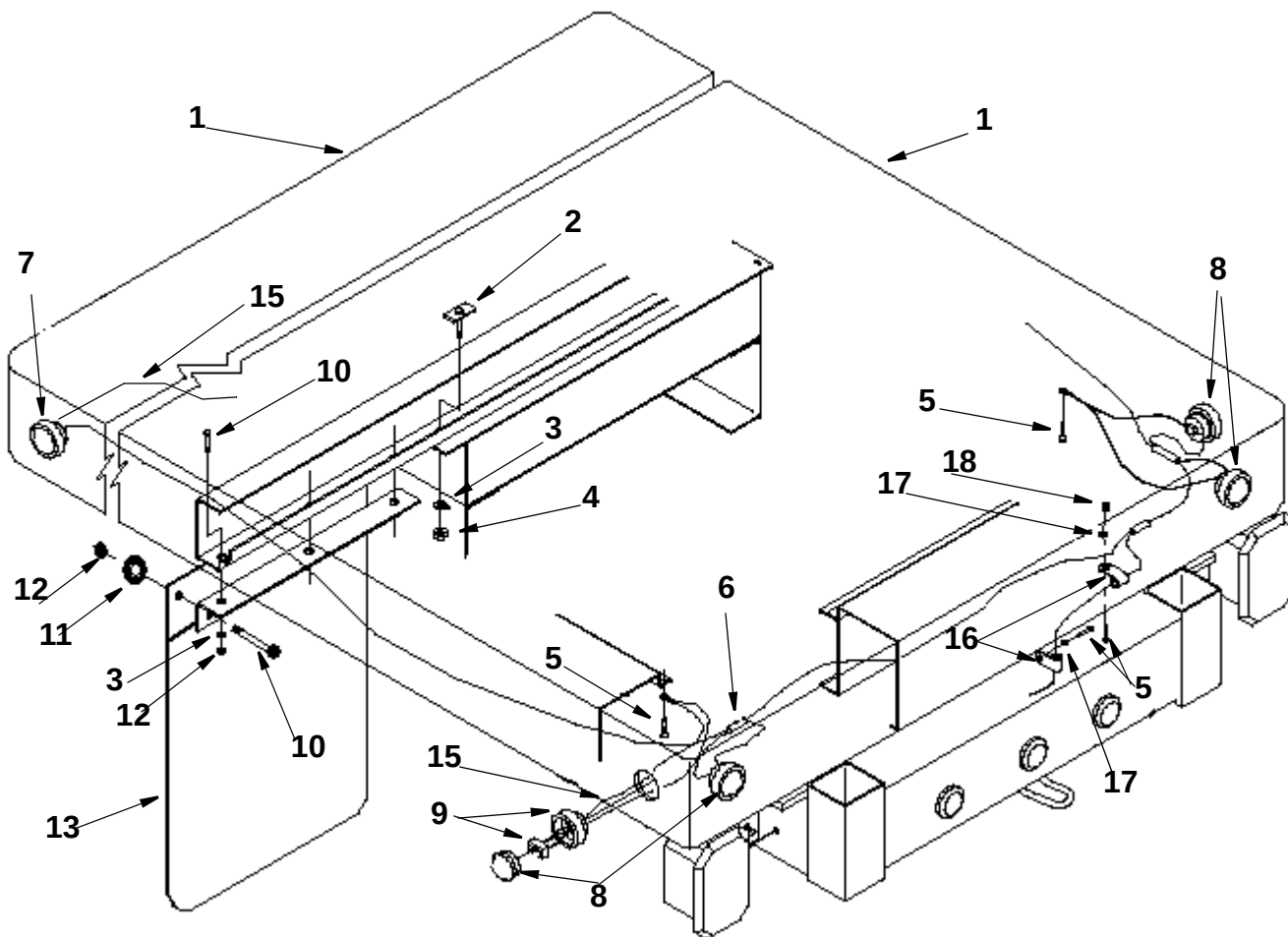
SHEAR PLATE INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000

Page 02.4

GROUP
02



Flatbed Installation

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1	Refer to "SUB-FRAME/FLATBED OPTIONS" on page 2.3.			7	400-09096	Light, Clearance, Amber	2
*	209-00596	Install Group, Super Duty Flatbed (Includes Items 2 Through 17)		8	400-09003	Light, Clearance, Red	4
2	709-01221	Bolt Weld, Flatbed Tie Down	10	9	400-09097	Grommet Kit, Truck Light	8
3	222-32005	Washer, Beveled-1/2" Bolt	10	10	220-00001	Bolt, 20 x 1 HCS	12
4	221-94002	Nut, Toplock, 1/2 GR C	10	11	220-00019	Washer, Flat 1/4 x 1 1/2 Z	6
5	1200-104	HHCS 1/2-13 X 2, GR.5	2	12	220-04001	Nut, Hex Head 1/2"	12
6	400-02202	Terminal, Butt Connector, 16-14 Ga.	16	13	209-00461	Mud Flap-1/2x24x36 Logo Wht	2
				14	785-00561	Support Angle Mud Flap(Ey2)	2
				15	201-00141	Clamp, 1/4 x 5/16" Dia.	2
				16*	210-00002	Fastener Kit-FB Install-BT	1
				17*	990-50023	Instruction Sheet, Decal Install	1

* -Consists of items: (3, 4, 9, 10, & 11)

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



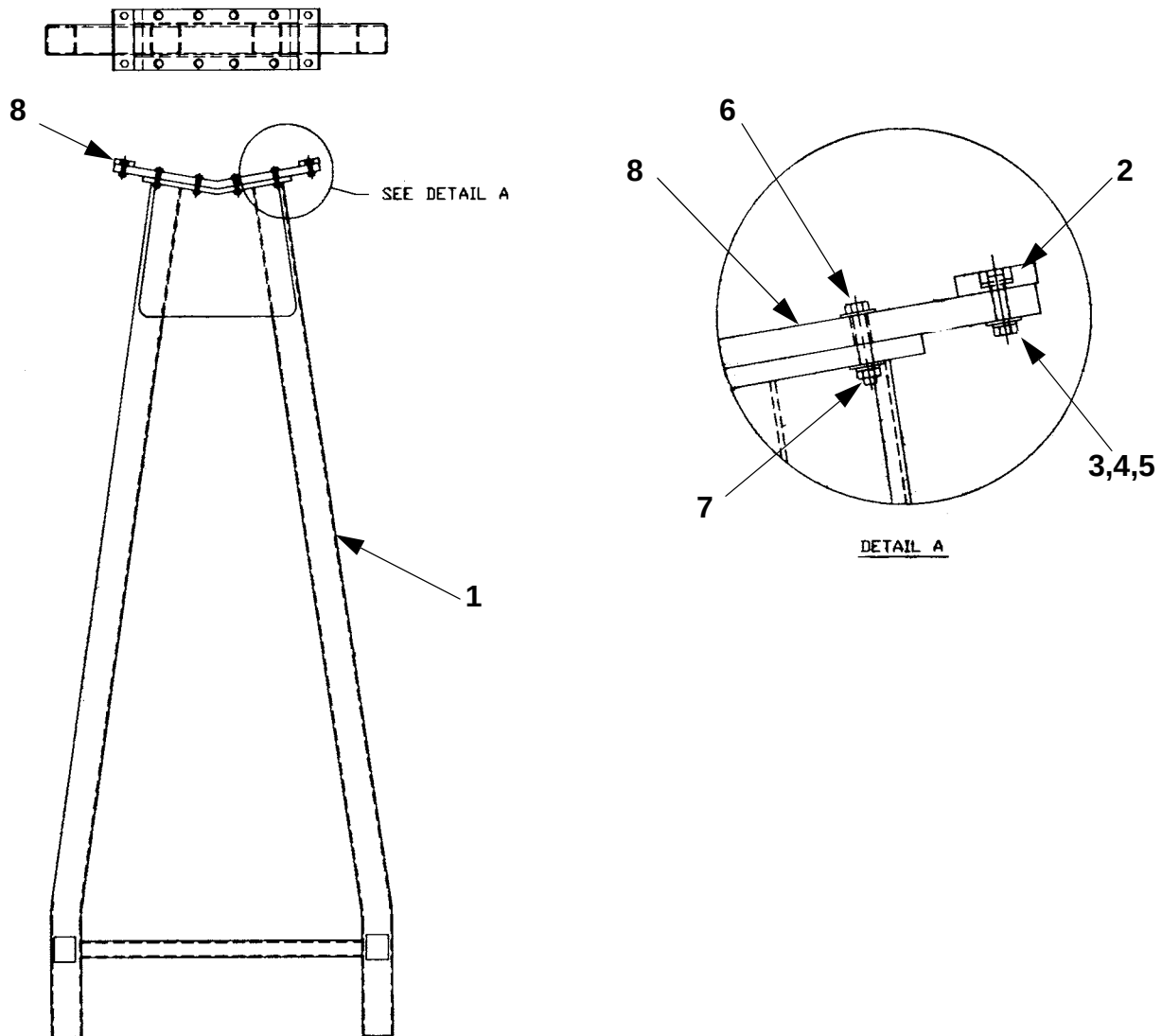
FLATBED INSTALLATION BOOM TRUCKS (BT)

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 02.5

GROUP
02



Boom Rest Assembly

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
	698-00018	Install Group, Boom rest		5	222-11002	Washer, Lock, 5/16 Med., PLTD.....	12
*	210-00057	Kit, Boom Rest assembly 4700		6	22001010	Bolt, Hex Head 5/16-18NC x 1 3/4" Long, GR5	8
1	709-01212	Boom Rest Weldment	1	7	221-01001	Nut, Hex Head, 5/16-18 NC	8
2	729-02175	Pad, Wear, 2 x 6 PLYSERT	2	8	709-01318	Support Plate, Boom Rest	1
3	220-01005	Bolt, Hex Head 5/16-18NC x 1 "Long, GR5.....	4				
4	222-01001	Washer, Flat, 5/16, PLTD.....	20				

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



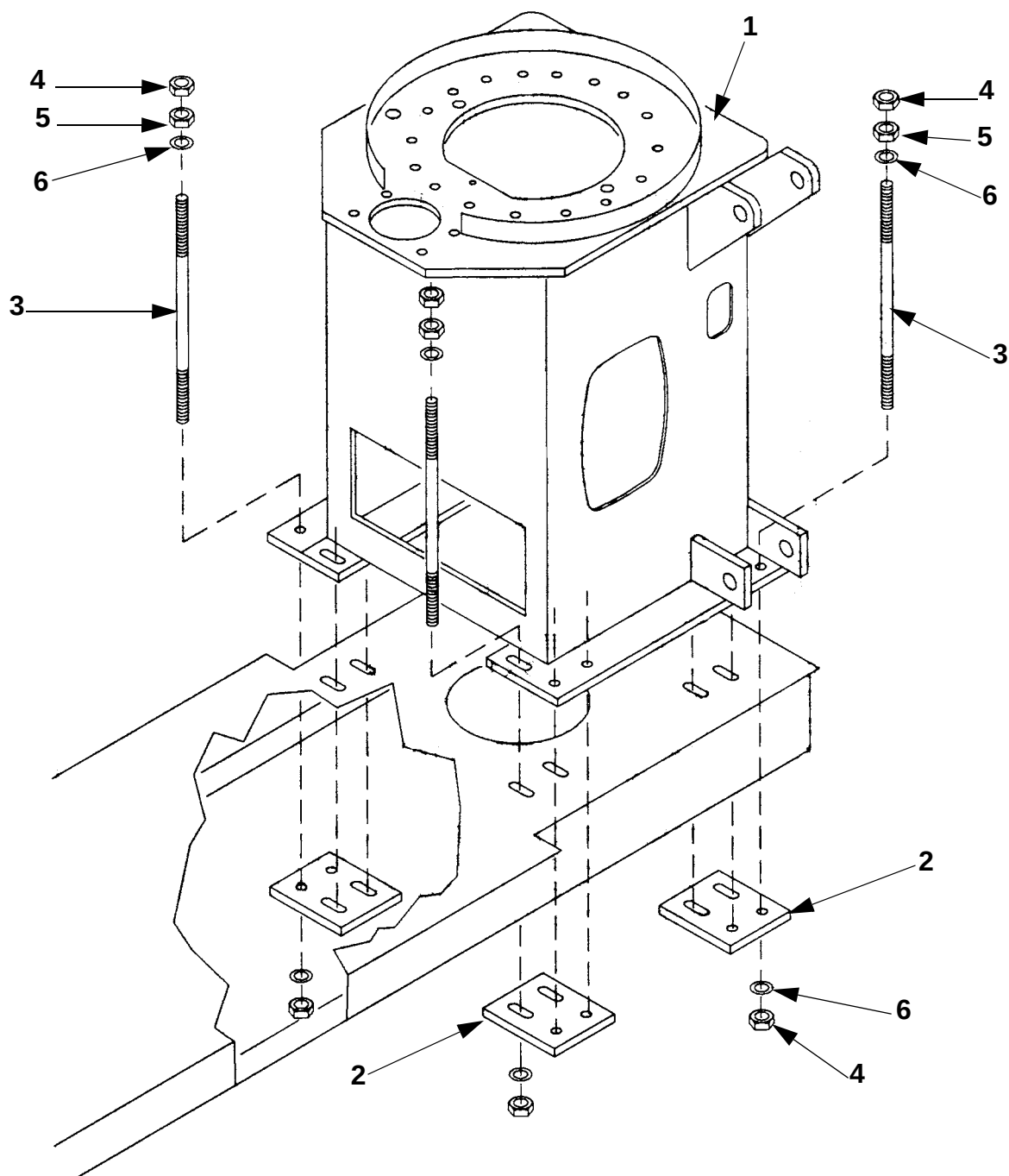
BOOM REST ASSEMBLY

DATE: Revised 03-2006

MODEL: BT4000

Page 02.6

GROUP
02



Mainframe Sub-Assembly Installation

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	700-00719	Install Group Pedestal 38/47	1	2	783-02895	Bar, clamp.....	4
	210-00048	Kit Main Frame Install, 10FT	1	3	220-09078	Bolt, 1 1/4NF x 30" Long.....	16
		(Consists of Items 1 through 6)		4	221-99014	Nut, Lock 1 1/4NF.....	32
1	701-00527	Mainframe Sub-Assembly Weldment.....	1	5	221-29006	Nut, Jam 1 1/4NF.....	16
				6	222-09005	Washer, Flat 1 1/4PLTD	32

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



TEREX

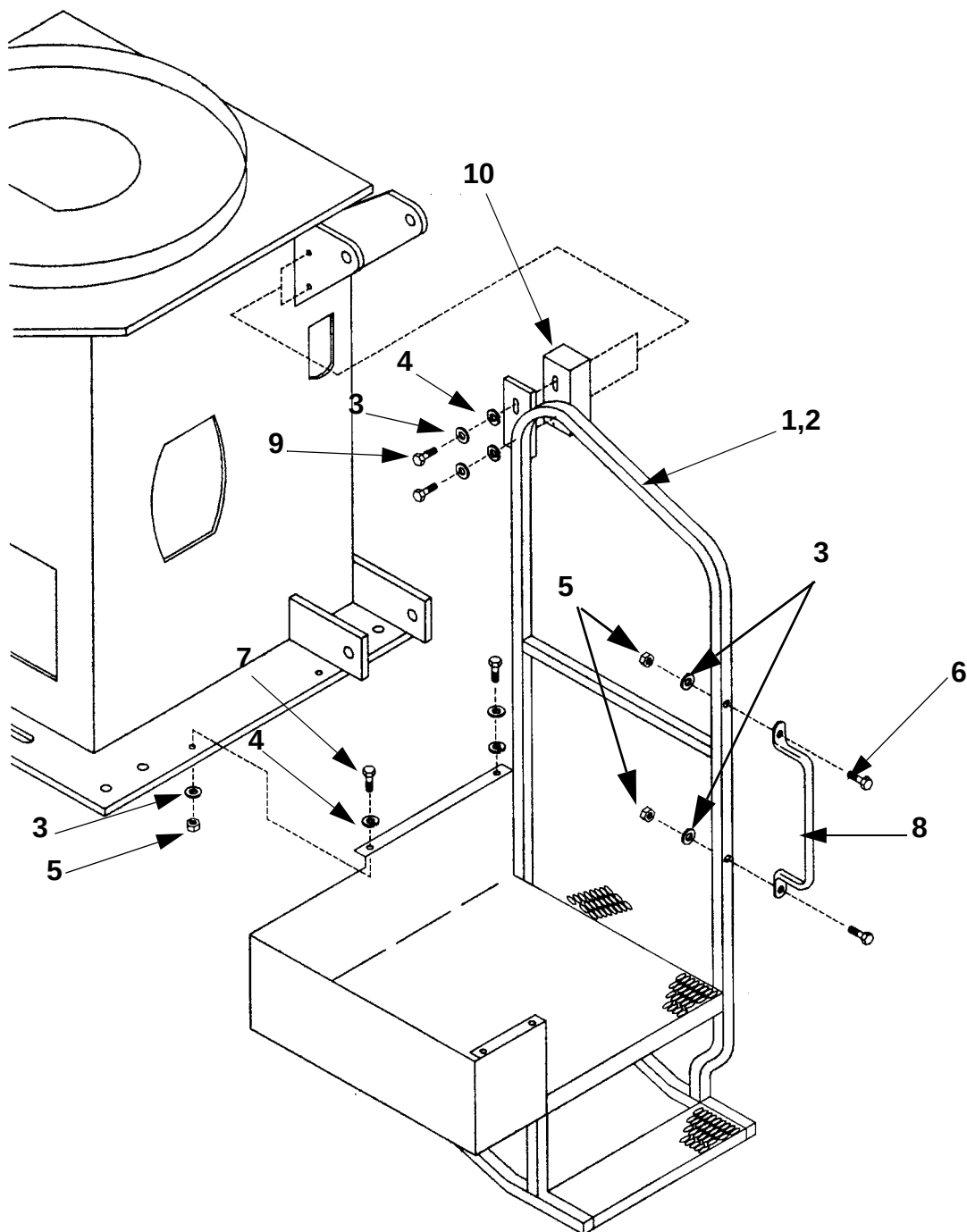
MAINFRAME SUB- ASSEMBLY INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 02.7

GROUP
02



Operator's Platform Installation

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
	706-00022	Platform Installation Group		6	220-02011	Bolt, Hex Head, 3/8NC x 2" Long	4
1	709-01301	Platform, LH Weldment	1	7	220-02007	Bolt, Hex Head 3/8 NC x 3/4" Long	4
2*	709-01300	Platform, RH Weldment	1	8	209-00444	Handle, grab	2
3	222-12001	Washer, Lock 3/8 PLTD	12	9	220-02008	Bolt, Hex Head 3/8NC x 3 1/2" Long	4
4	222-02005	Washer, flat 3/8 PLTD	8	10	783-03022	Bar, spacer	2
5	221-02001	Nut, Hex 3/8NC	8	* ITEM NOT SHOWN			

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



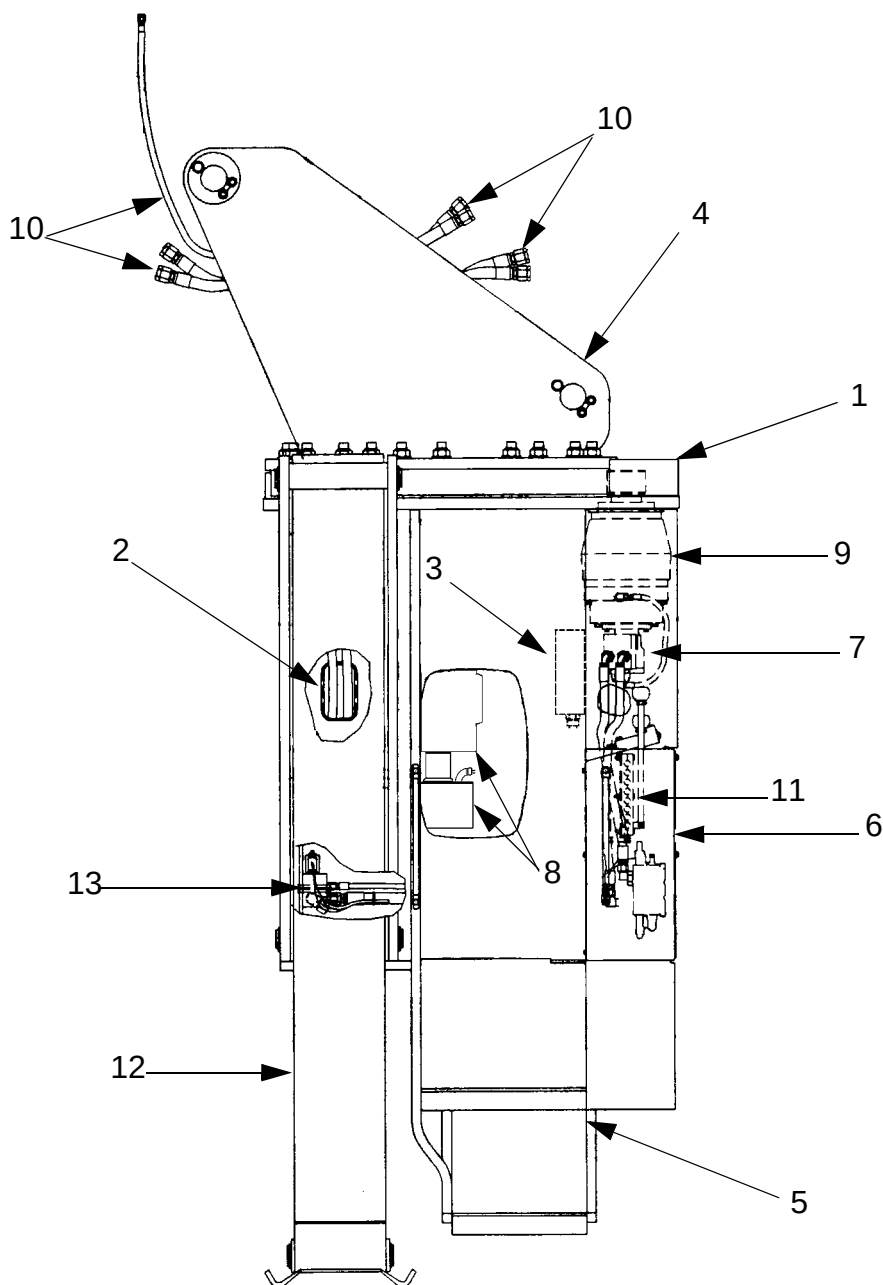
OPERATOR PLATFORM INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000

Page 02.8

GROUP
02



Mainframe Assembly, Continuous Rotation

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	700-00981	Mainframe Sub-Assembly, Ref		7	705-00041	Swing Group Installation,.....1	
1	701-00527	Mainframe Machining, BT 4000 1		8	500-01708	Center Post Installation.....1	
2	209-00470	Seal, Trim 4Ft		9	292-00037	Rotation Gearbox Assembly1	
3	400-02438	Computer Control Installation..... 1		10	500-01794	Hydraulic Piping, Mainframe (Continuous Rotation)1	
4	710-00275	Turret Installation, Continuous Rotating 1		11	550-00392	Main Control Valve Assembly1	
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 Outrigger1	

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



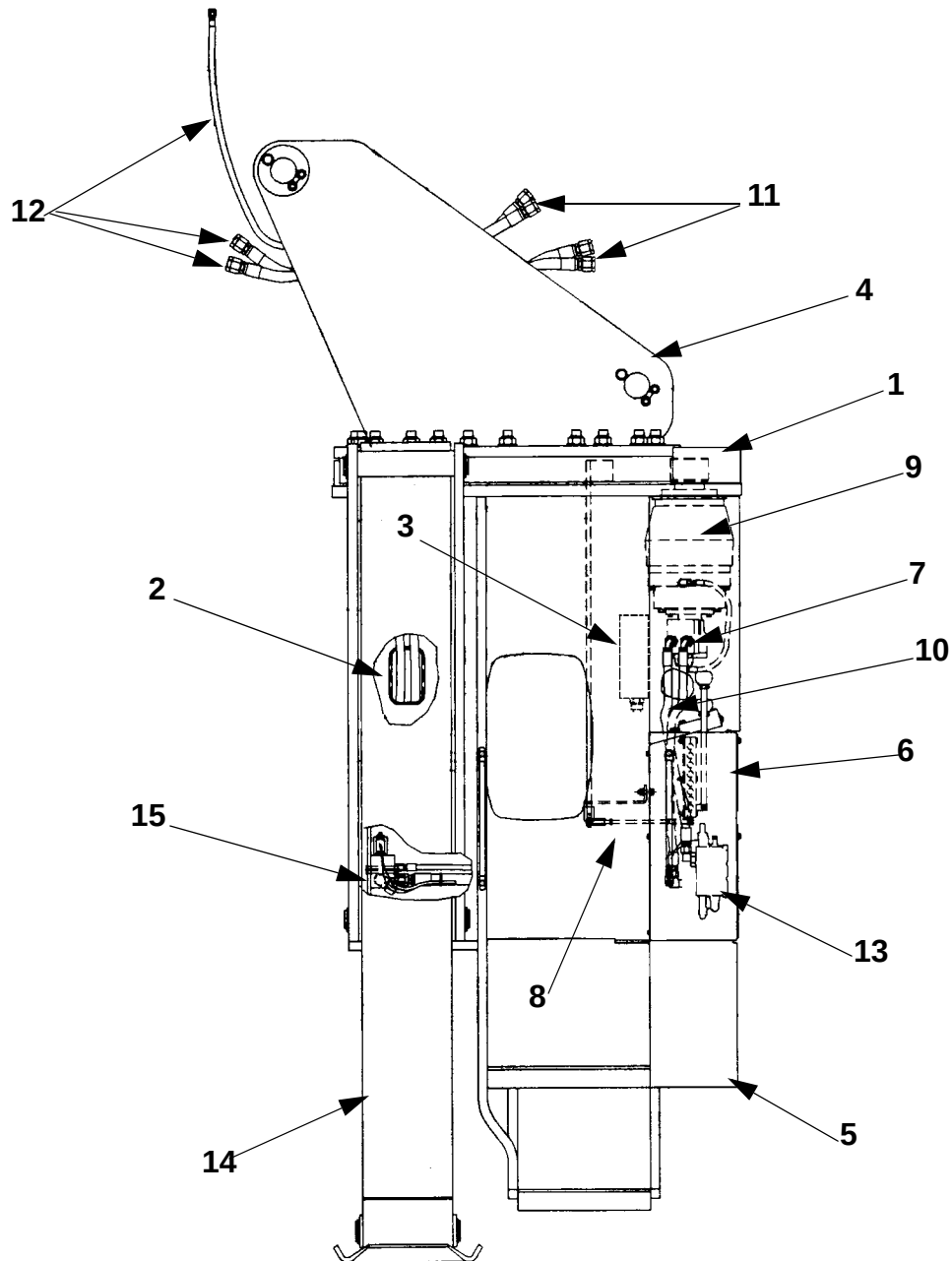
MAINFRAME ASSEMBLY, CONTINUOUS ROTATION

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 02.9

**GROUP
02**



Mainframe Assembly - 370 Deg rotation

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	700-00981	Mainframe Sub-assembly 4000 Series Ref		8	809-00410	Rotation Stop Installation, 370 Deg.1	
1	701-00527	Main Frame Machining, BT 4700 1		9	292-00037	Rotation Gearbox Assembly1	
2	209-00470	Seal, Trim 4Ft		10	500-30001	Hydraulic Piping, Swing1	
3	400-16122	Computer Control Box, (Greer 586) 1		11	500-10017	Hydraulic Piping, Topping & Extension.....1	
4	710-00226	Turret & Rotation Bearing Installation, 370 Deg..... 1		12	500-20003	Hydraulic Piping, Winch1	
5	706-00007	Platform Installation..... Ref		13	550-00392	Main Control Valve Assembly1	
6	800-50038	Control Console Assembly, Triple-4700... 2		14	765-00011	Main Outrigger Assembly.....1	
7	705-00013	Swing Group Installation, BT 4700..... 1		15	559-00146	Priority Valve, Auxiliary Outrigger1	

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



MAINFRAME ASSEMBLY, 370 Deg. ROTATION

DATE: Revised 03-2006

MODEL: BT4000

Page 02.10

**GROUP
02**

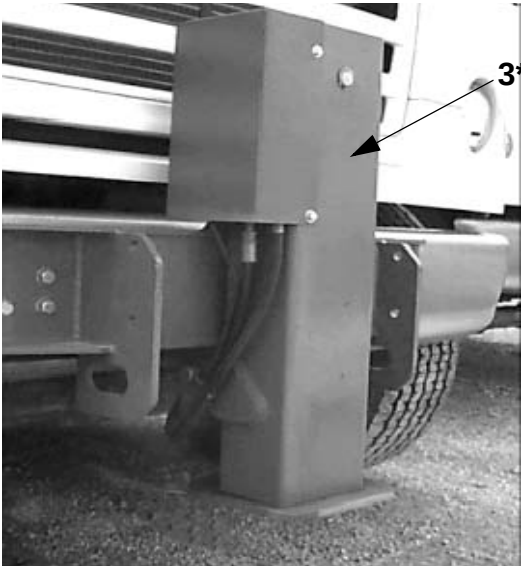
03 OUTRIGGERS



Outtiggers

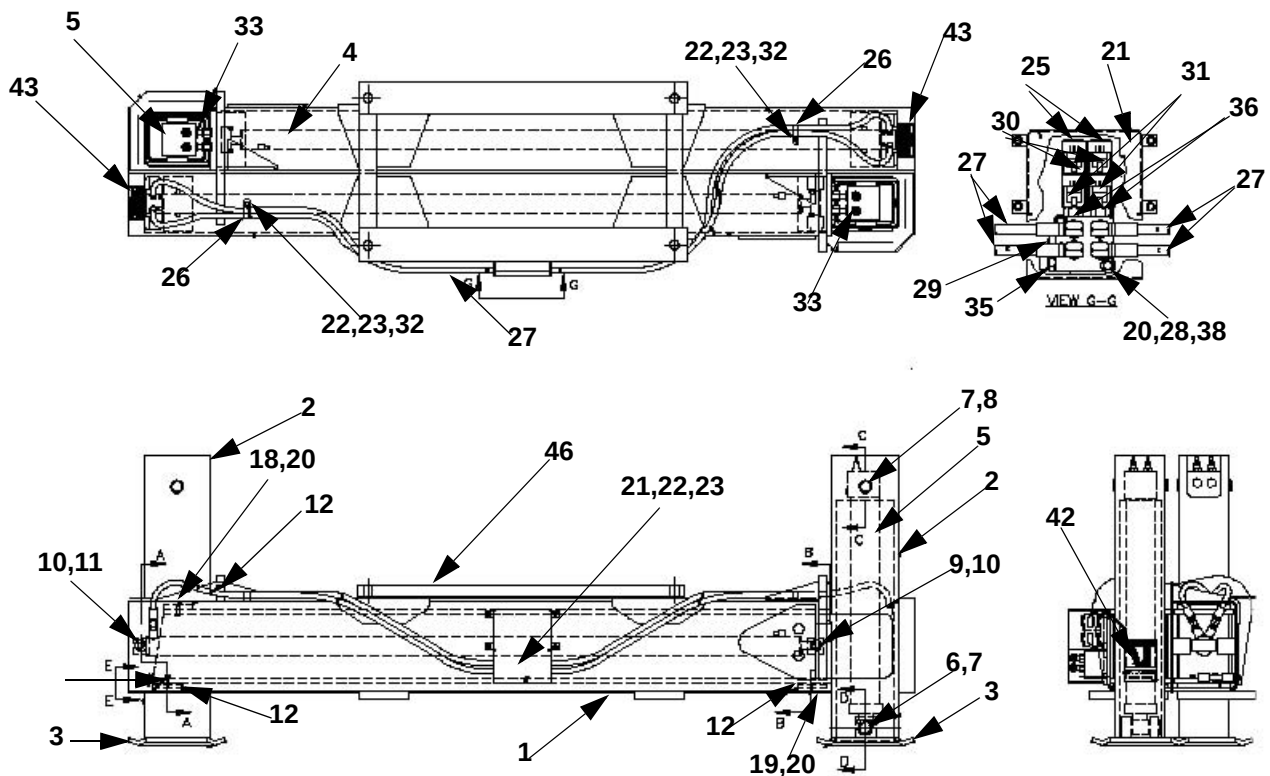
REF	PART NO	DESCRIPTION	QTY
1	760-00378	Aux. Outrigger Assembly (BT4485/4792)..	1
	760-00315	Aux. Outrigger Assembly (RM4792)	
2	760-00306	Main Outrigger Assembly	1
3*	760-00436	Front Bumper Outrigger (Optional).....	1

* See Group 51 (Optional Equipment)

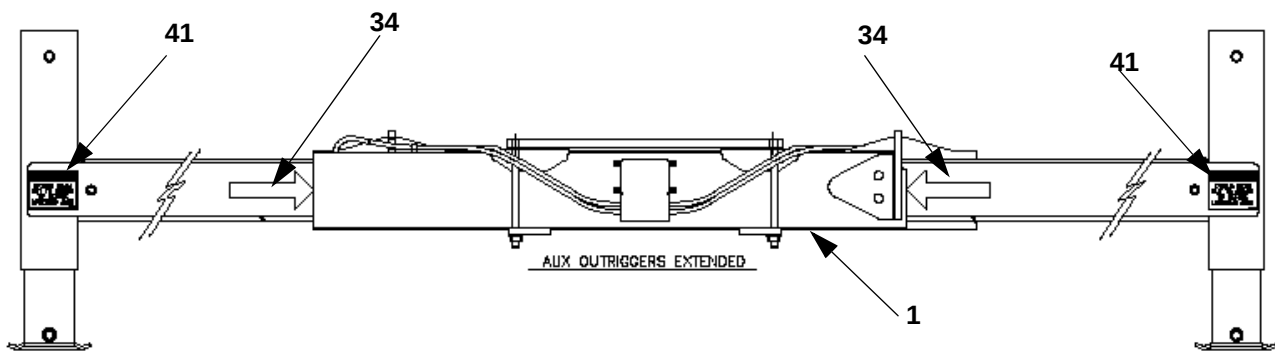
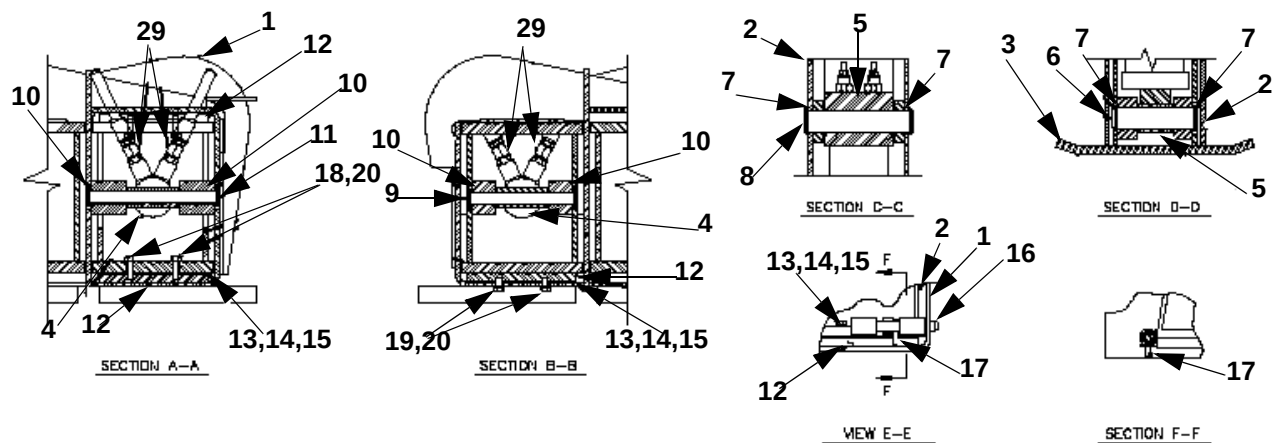


Front Bumper Outrigger

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



See page 3.3



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



AUXILLIARY OUTRIGGER ASSEMBLY - BT

DATE: Revised 03-2006

MODEL: BT4000

Page 03.2

GROUP
03

See page 3.2

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
*	760-00378	Auxiliary Outrigger Assembly (BT4485/4792) (Includes Items 1 through 46).....	1	20	222-11002	Washer, Lock 5/16	14
1	760-20436	Auxiliary Outrigger, Horizontal Outer Weld	1	21	802-01594	Cover, Control Valve Auxiliary Outrigger ...	1
2	760-10336	Auxiliary Outrigger, Horizontal inner Weld	2	22	220-00002	Bolt, hex Head 1/4-20UNC x 1/2"	6
3	760-10335	Auxiliary Outrigger, Vertical inner Weld	2	23	222-10005	Washer, Lock 1/4".....	6
4	540-00061	Auxiliary Outrigger, Horizontal Cylinder	2	24	220-01003	Bolt, Hex Head 5/16-18UNC x 1 1/4"	4
5	540-30177	Auxiliary Outrigger, Vertical Cylinder.....	2	25	394-00003	Nut, Normally Closed	2
6	870-30211	Pin, Cylinder Vertical, Rod end	2	26	201-00170	Clamp, Double 5/8 x.406H.....	2
7	200-10013	Ring, Retaining, 1 1/4.....	8	27	502-20971	Hose Assembly, Auxiliary OR Horizontal....	4
8	70-30212	Pin. Cylinder Vertical, Barrel End	2	28	222-01001	Washer, Flat 5/16 STD - PLD	2
9	870-10184	Pin, Cylinder Horizontal Rod end	2	29	513-40014	Connector, #6 x #6 ORB	4
10	200-00006	Ring, retaining 3/4	8	30	394-00002	Coil, Molded 12 VDC Dual Spade.....	4
11	870-10185	Pin, Cylinder Horizontal Barrel End	2	31	394-00008	Spacer, Coil	2
12	729-02238	Pad, Wear	6	32	222-00006	Washer, flat 1/4.....	2
13	787-00255	Shim, Wear Pad -.040.....	4	33	513-40015	Connector, Long - #6 OFS x #6 ORB	4
14	787-00256	Shim, Wear Pad -.063.....	4	34	653-00276	Placard, Arrow - Outrigger Beam.....	4
15	787-00257	Shim, Wear Pad -.100	4	35	513-50026	Connector, #8 OFS x #5 ORB	4
16	870-10186	Lock Pin, Horizontal Auxiliary Outrigger....	2	36	551-10122	Solenoid Valve Sub Assembly	2
17	224-16014	Pin, Roll - 1/4 x 1 1/2 - PLTD.....	2	37	559-00157	Valve, Control Auxiliary Outrigger.....	1
18	220-01004	Bolt, Hex Head 5/16-18UNC x 1"	4	38	220-01008	Bolt, Hex Head 5/16-18NC x 3 -PLT GR5 .2	
19	220-01005	Bolt, Hex Head 5/16-18UNC x 3/4"	4	39	NOT USED		
				40	NOT USED		
				41	651-00275	Placard, CAUTION- OUTRIGGER BEAM .4	
				42	651-00186	Placard, CAUTION- OUTRIGGER EXTEND2	
				43	652-00469	Placard, OUTRIGGER BEAM PIN.....	2
				44	NOT USED		
				45	NOT USED		
				46	783-03010	Bar, Auxiliary Outrigger Support	2

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



AUXILLIARY OUTRIGGER ASSEMBLY - BT

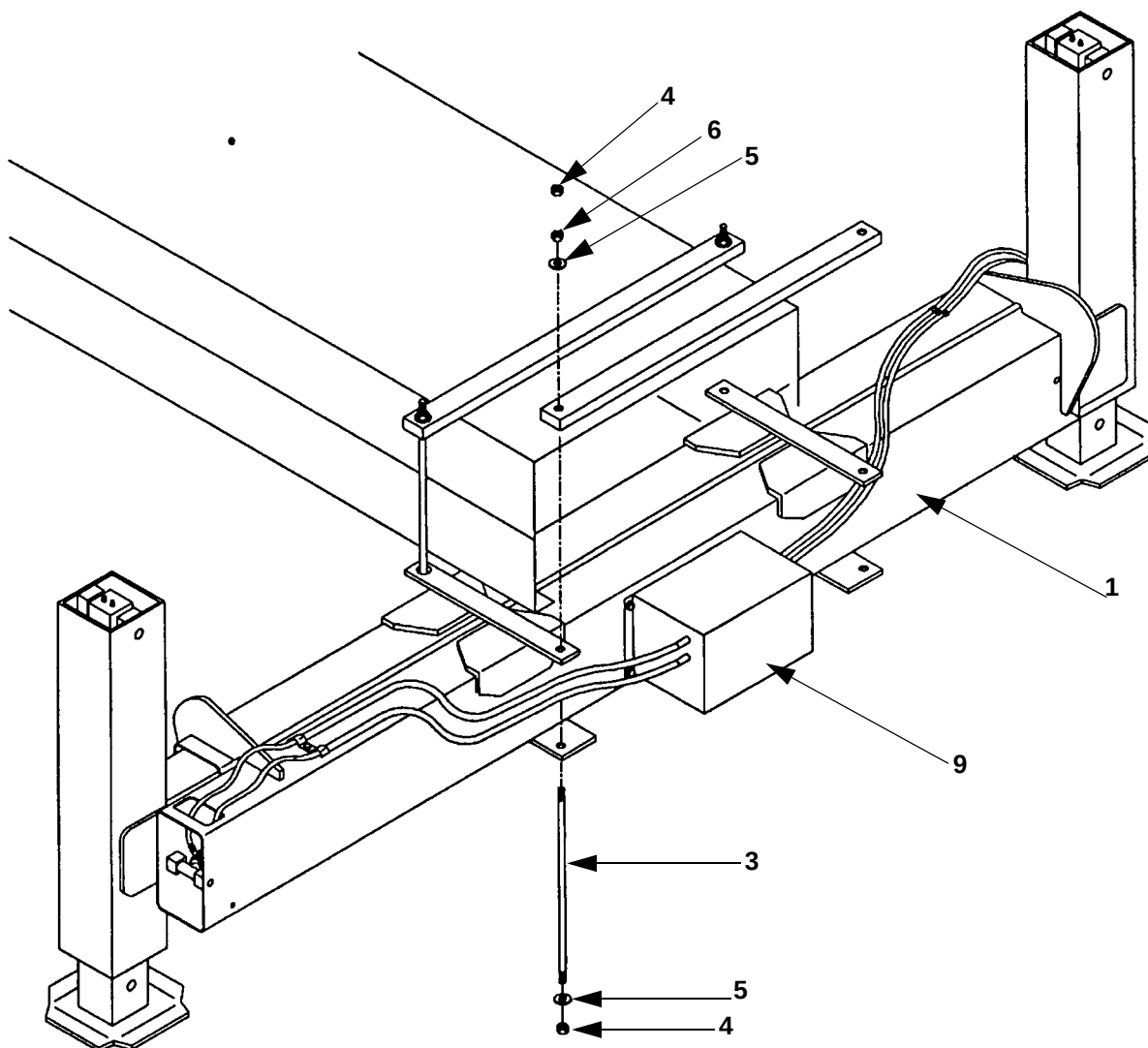
DATE: Revised 03-2006

MODEL: BT4000 Series

Page 03.3

GROUP

03



Auxiliary Outrigger Installation

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1	760-00378	Auxiliary Outrigger Assembly	1	6	221-29005	Nut, Jam 1 1/4UNC	4
2	783-03010	Bar Support, Auxiliary. Outrigger.....	2	7*	021-40042	Frame, Stiffener (Not shown)	REF
3	220-09089	Stud, Tie Down	4	8	400-25084	Harness Assembly, Electrical, O/R Valve .. (Not Shown)	1
4	221-99013	Nut, Lock 1 1/4UNF	8	9	559-00187	Valve, Control, Aux. Outrigger	1
5	222-09003	Washer, Flat	8				

*REF - The number of Frame Stiffeners depends on Flatbed size

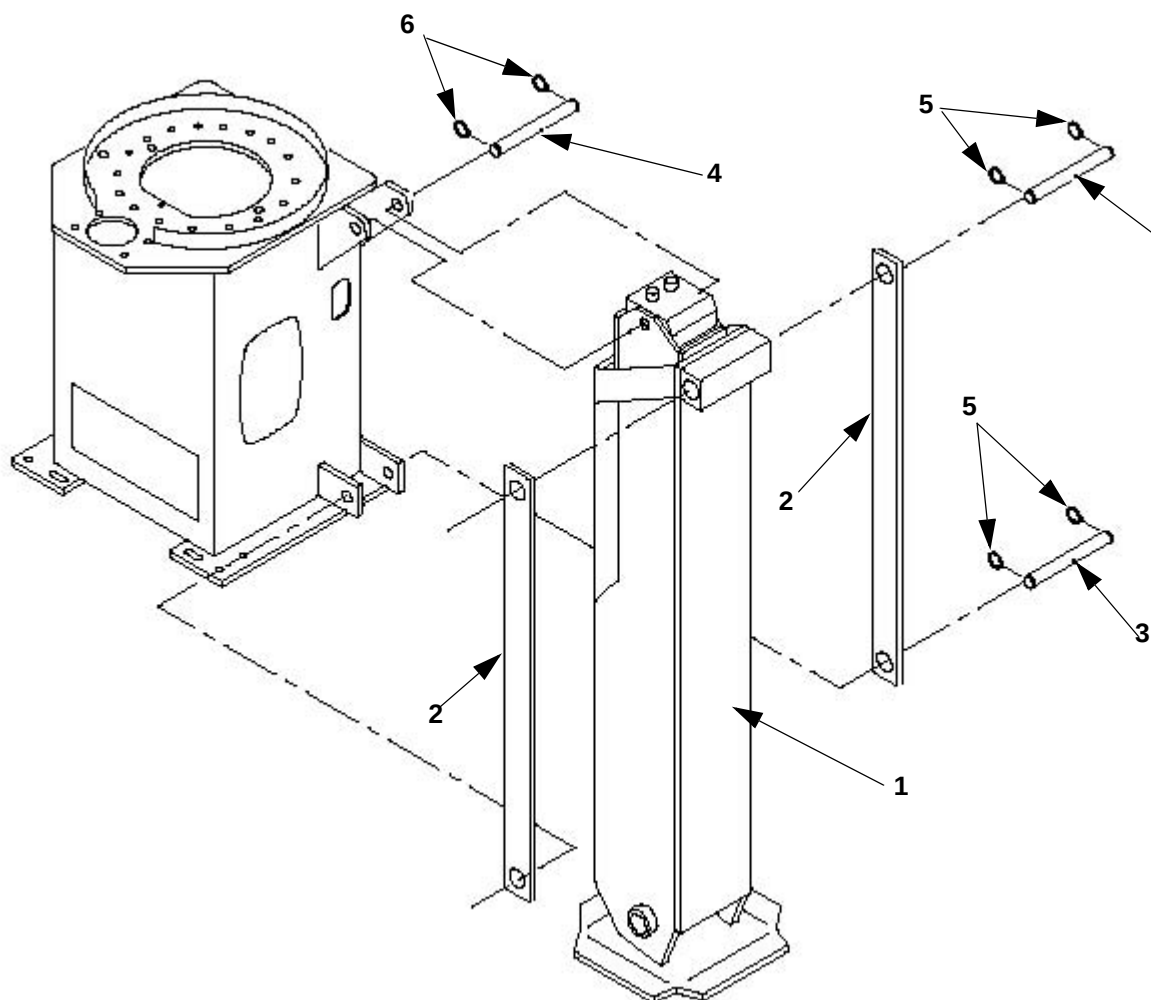
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



AUXILIARY OUTRIGGER INSTALLATION-BT

DATE: Revised 03-2006
MODEL: BT4000
Page 03.4

GROUP
03



Main Outrigger Installation-BT

REF	PART NO	DESCRIPTION	QTY	REF	PART NO	DESCRIPTION	QTY
1	760-00306	Main Outrigger Assembly	2	4	870-70066	Pin, Outrigger	2
2	760-90034	Link Bar	4	5	200-30006	Snap, Ring	8
3	870-60202	Pin, Link Bar	4	6	200-30009	Snap, Ring	4

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



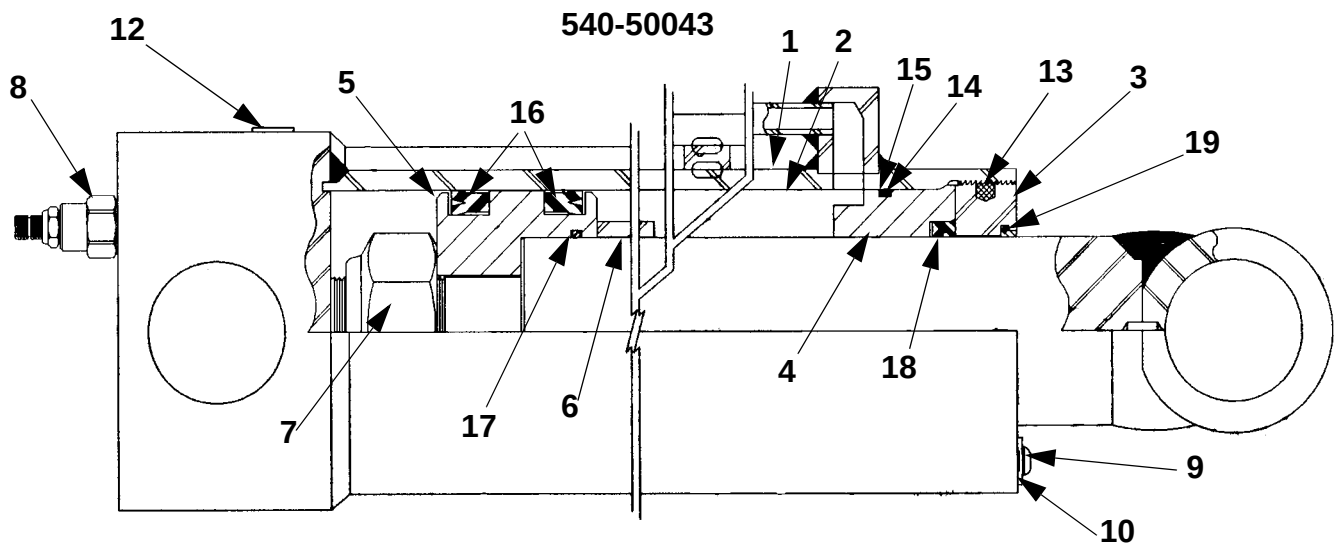
MAIN OUTRIGGER INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 03.5

GROUP
03



Main Outrigger Cylinders

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	540-50043	Main Outrigger Cylinder Assembly.....	2	4	346-00746	Gland, Head.....	1
		(Includes Items 1 Through 19)		5	346-00745	Piston.....	1
	268-90179	Seal Kit, (For P/N 540-50043)	1	6	346-00744	Spacer.....	1
		(Includes Items 12 Through 19)		7	346-00698	Nut, ring	1
1	346-00749	Case, Weldment.....	1	8	552-00088	CB Cartridge	2
2	346-00748	Rod, Weldment.....	1		059-00013	Seal Kit for CB Cartridge.....	1
3	346-00747	Ring, thread.....	1	9	346-00701	Screw, Cap	1
				10	346-00702	Washer, Lock	1
				11	346-00715	Plug, Port	2

ALTERNATE CYLINDER MANUFACTURERS

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
*	540-50034	Main Outrigger Cylinder Assembly.....	2	*	540-50018	Main Outrigger Cylinder Assembly	2
		(Great Bend)				(Green)	
*	269-90079	Kit, Seal, (For P/N 540-50034)	1	*	268-91012	Kit, Seal, (For P/N 540-50018).....	1

SEAL KITS CONTENTS

12	O-Ring.....	2	16	U-Cup.....	2
13	Plug, Nylon	1	17	O-ring.....	1
14	Ring, Back-Up	1	18	U-Cup.....	1
15	O-Ring.....	1	19	Wiper- AN	1

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

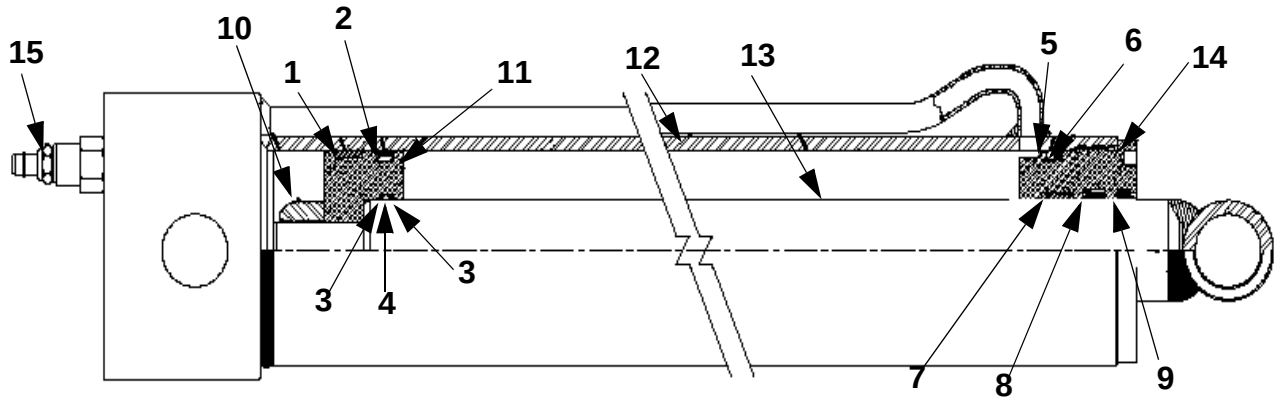


MAIN OUTRIGGER CYLINDER (Goldstar)

DATE: Revised 03-2006
MODEL: BT4000
Page 03.6

GROUP
03

540-30177



Auxiliary Outrigger Vertical Cylinders

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
540-30177		Auxiliary Outrigger Vertical Cylinder..... 2 (Goldstar) (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
268-90170		Seal Kit (For P/N 540-30177)..... 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
*	540-30175	Auxiliary Outrigger Vertical Cylinder..... 2 (Great Bend)		*	540-30157	Auxiliary Outrigger Vertical Cylinder2 (Green)	
*	269-90079	Kit, Seal, (For P/N 540-30175)..... 1 (Includes Items 1 Through 9)		*	268-91012	Kit, Seal, (For P/N 540-30157).....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 VERTICAL CYLINDER

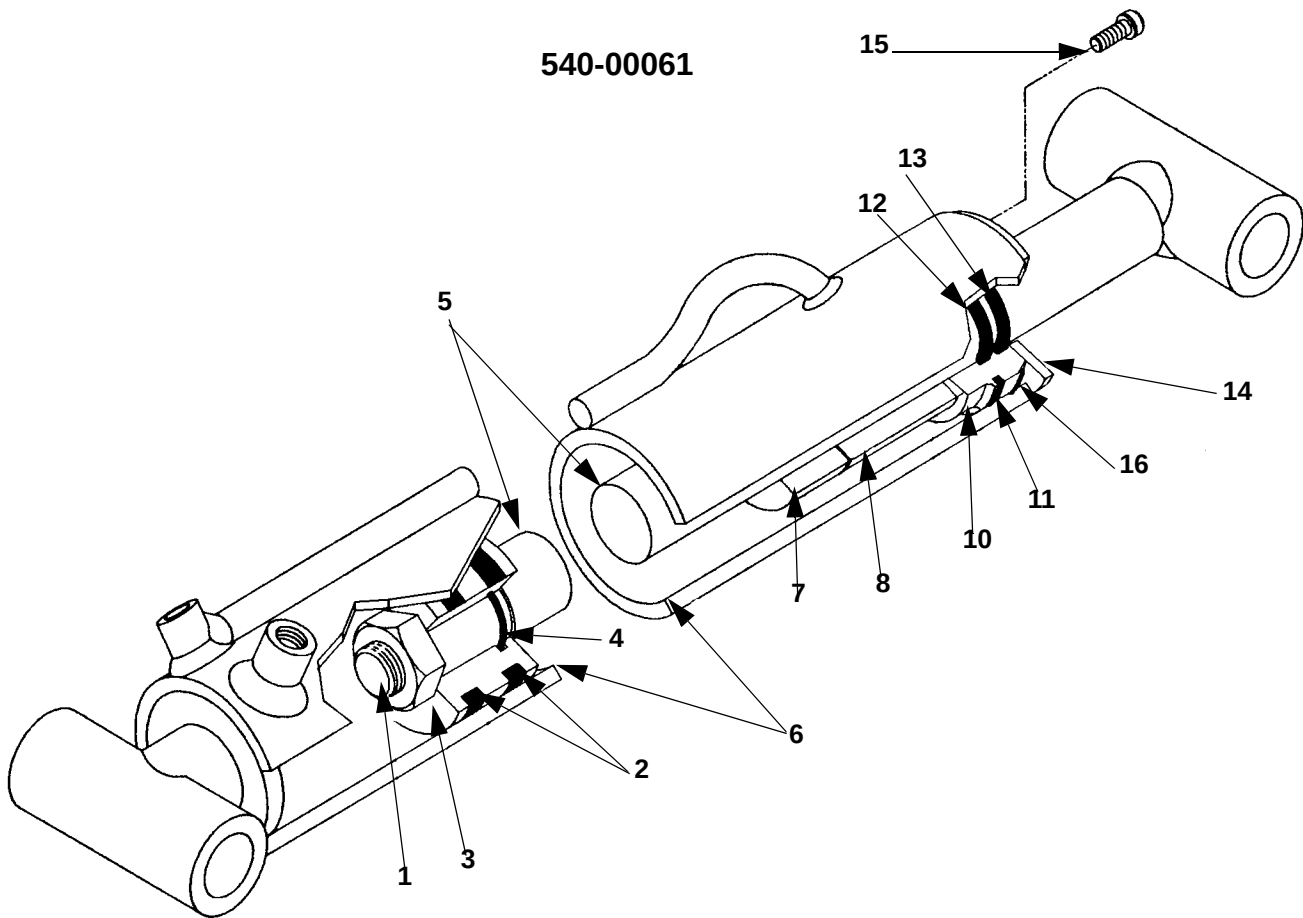
DATE: Revised 03-2006

MODEL: BT4000 Series

Page 03.7

GROUP
03

540-00061



Auxiliary Outrigger Horizontal Cylinder-(Green)

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
*	540-00061	Auxiliary Outrigger Horizontal Cylinder 2 (Includes Items 1 Through 16)		6	341-00173	Barrel Assembly.....	1
*	268-91011	Seal Kit (For P/N 540-00061)..... 1 (Includes items 2, 4, & 10 Through 13)		7	341-00174	Stop Tube	1
1	341-00169	Nut, Hex, Jam,.....	1	8	341-00175	Stop Tube	1
3	341-00171	Piston	1	9	341-00008	Sleeve	1
5	341-00172	Rod Assembly	1	14	341-00011	Washer.....	1
				15	341-00012	Machine, Screw	1
				16	341-00010	Lock, Wire	1
SEAL KITS CONTENTS							
2		Piston Seal	2	11		Back-Up	1
4		O-Ring	1	12		Rod, Seal	1
10		O-Ring	1	13		Rod, Wiper	1

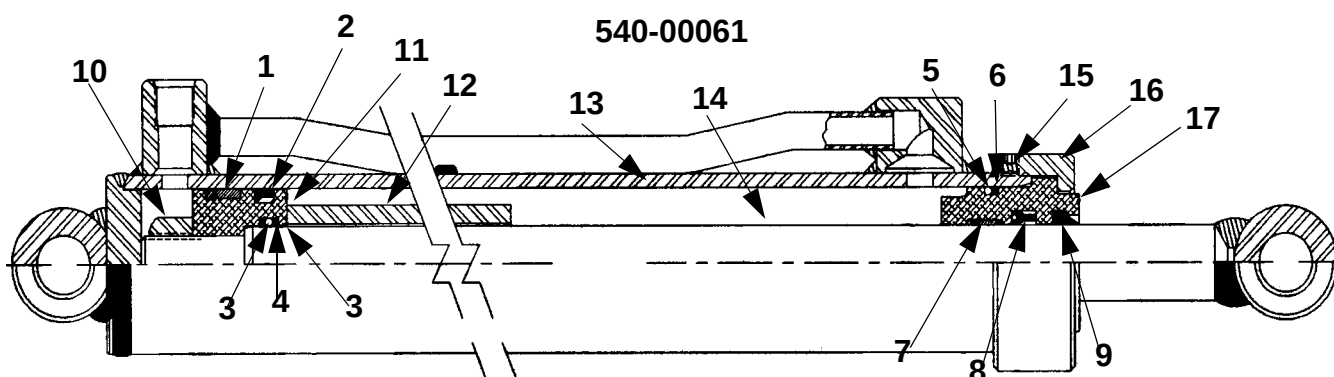
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PARTS REQUIRED



AUXILIARY OUTRIGGER HORIZONTAL CYL. - Green

DATE: Revised 03-2006
MODEL: BT4000
Page 03.8

GROUP
03



Auxiliary Outrigger Horizontal Cylinder-(Goldstar)

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	540-00061	Aux. Outrigger, Horizontal Cyl. (Goldstar). 2 (Includes Items 1 Through 16)		7	N/A	Wear Ring	1
	268-90169	Seal Kit (For P/N 540-00061)..... 1 (Includes Items 1 Through 9)	1	8	N/A	U-Cup, Loaded.....	1
		SEAL KITS CONTENTS		9	N/A	Rod, Wiper.....	1
1	N/A	Wear, Ring	1	10	812-00001	Lock Nut.....	1
2	N/A	PSP Seal.....	1	11	812-00002	Piston.....	1
3	N/A	Back-Up ring.....	2	12	812-00003	Barrel Assembly.....	1
4	N/A	O-Ring.....	1	13	812-00004	Rod Assembly.....	1
5	N/A	O-ring	1	14	812-00005	Set Screw, Cup Point.....	1
6	N/A	Back-Up Ring	1	15	812-00007	Cap, Threaded.....	1
				16	812-00008	Cap Head, Threaded	1

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



AUX. OUTRIGGER HORIZ. CYLINDER - Goldstar

DATE: Revised 03-2006
MODEL: BT4000
Page 03.8A

GROUP
02

12 SUPERSTRUCTURE



Turret Assembly

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	712-00180	Turret Assembly, Standard.....	1	5	221-99002	Nut, Top Lock, 1NC	22
	711-00008	(BT4700 Standard Install Group)		6	224-26005	Rod End, 5/8 x 4 1/4" Long	2
	712-00239	Turret Assembly, Tall	1	7	220-06037	Bolt, Hex Head 5/8NC x 1 1/2" Long	2
	711-00034	(BT4700 Tall Install Group)		8	222-16003	Washer, Lock 5/8 PLTD.....	6
2	716-00032	Bearing, Rotation.....	1	9	220-36010	Bolt, SH 5/8NC x 3/4" Long	4
3	220-39003	Screw, SH Cap 1NC x 4 1/2" Long	46	10	870-90030	Pin, 2 3/4 x 26 1/16" Long.....	2
4	222-09004	Washer, Flat 1 PLTD.....	22	11*	220-32001	Bolt, SH 3/8NC x1" Long	1
				12*	011-20014	Spacer, Pipe 3/8 x 7/16" Long	1
				13	209-00802	Edging, Jumbo Trim.....	2ft

*Item 11 & 12 not seen
(engages Swing Stop)

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



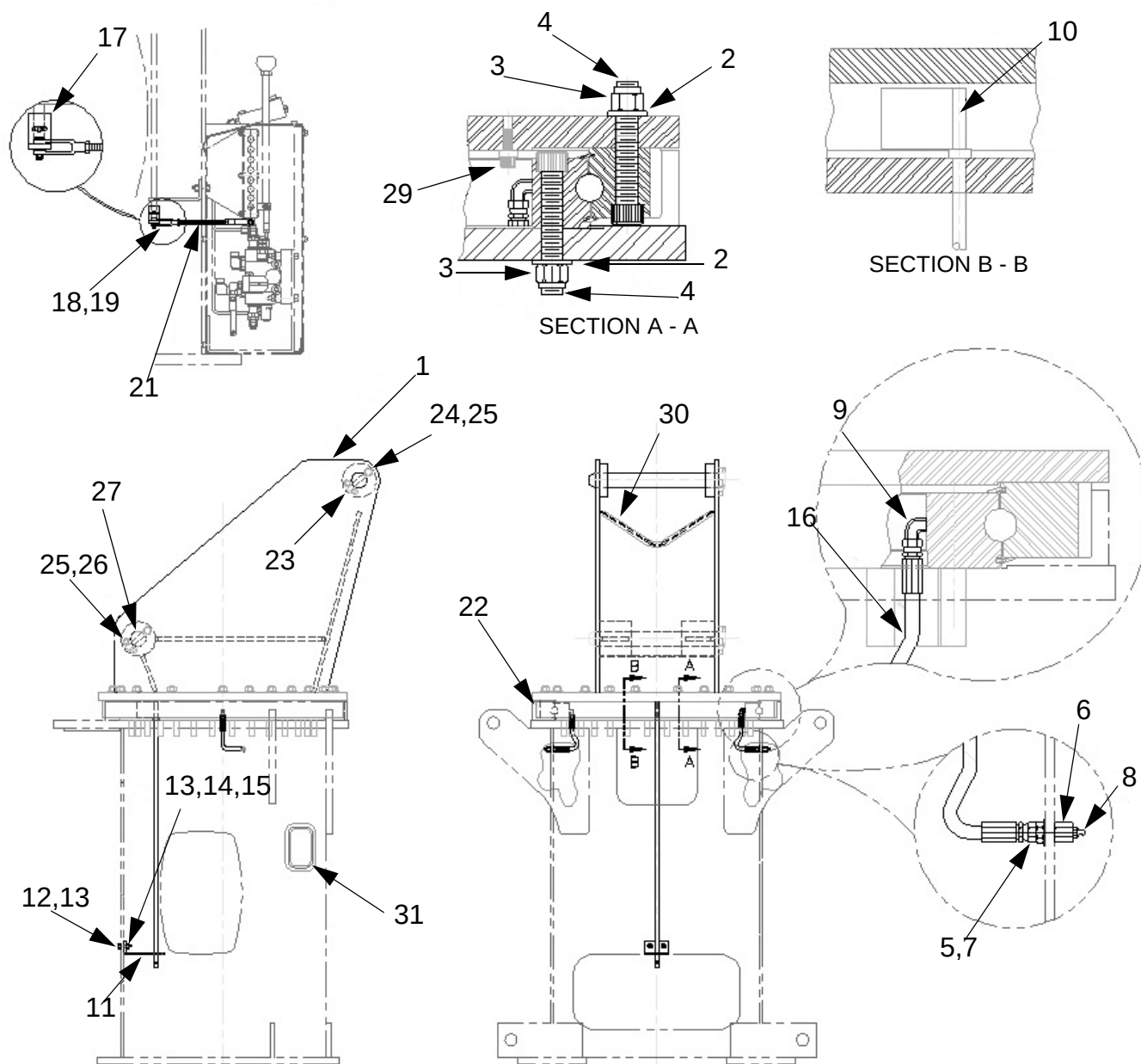
TURRET ASSEMBLY

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 12.1

GROUP
12



Turret /Rotation Gear Installation

REF	PART NO.	DESCRIPTION	QTY	6	518-20001	Connector, Bulkhead 1/8FPT.....	2
1	712-00180	Turret Assembly, Standard.....	1	7	511-21001	Nut, Lock.....	2
	711-00008	(BT4700 Standard Install Group)		8	501-03002	Zerk, 1/8NPT.....	2
	712-00239	Turret Assembly, Tall	1	9	514-02002	Elbow, 90 Deg. 1/4 Tube x 1/8NPT	2
	711-00034	(BT4700 Tall Install Group)		10	719-00323	Rod, Swing Stop Weldment.....	1
2	222-09004	Washer, Flat 1 PLTD.....	24	11	785-01678	Angle, Swing Stop Support.....	1
3	221-99002	Nut, Top Lock.....	24	12	220-01003	Screw, HHC 5/16NC x 1 1/4" Long.....	2
				13	222-01001	Washer, Flat 5/16 PLTD	4
REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
				14	222-11002	Washer, Lock 5/16 PLTD.....	2

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



TURRET /ROTATION GEAR INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 12.2

GROUP
12

15	221-01001	Nut, Hex 5/16NC	2	<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16	502-00180	Hose Assembly, Swing Bearing Lube	2	24	220-06037	Bolt, Hex Head 5/8-11.....	2
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	870-70068	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	716-00030	Rotation Bearing.....	1	30	209-00802	Trim Edging 5/8	2ft
23	224-26005	Rod End	2	31	209-00470	Trim Edging 1/2.....	3ft

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



TEREX

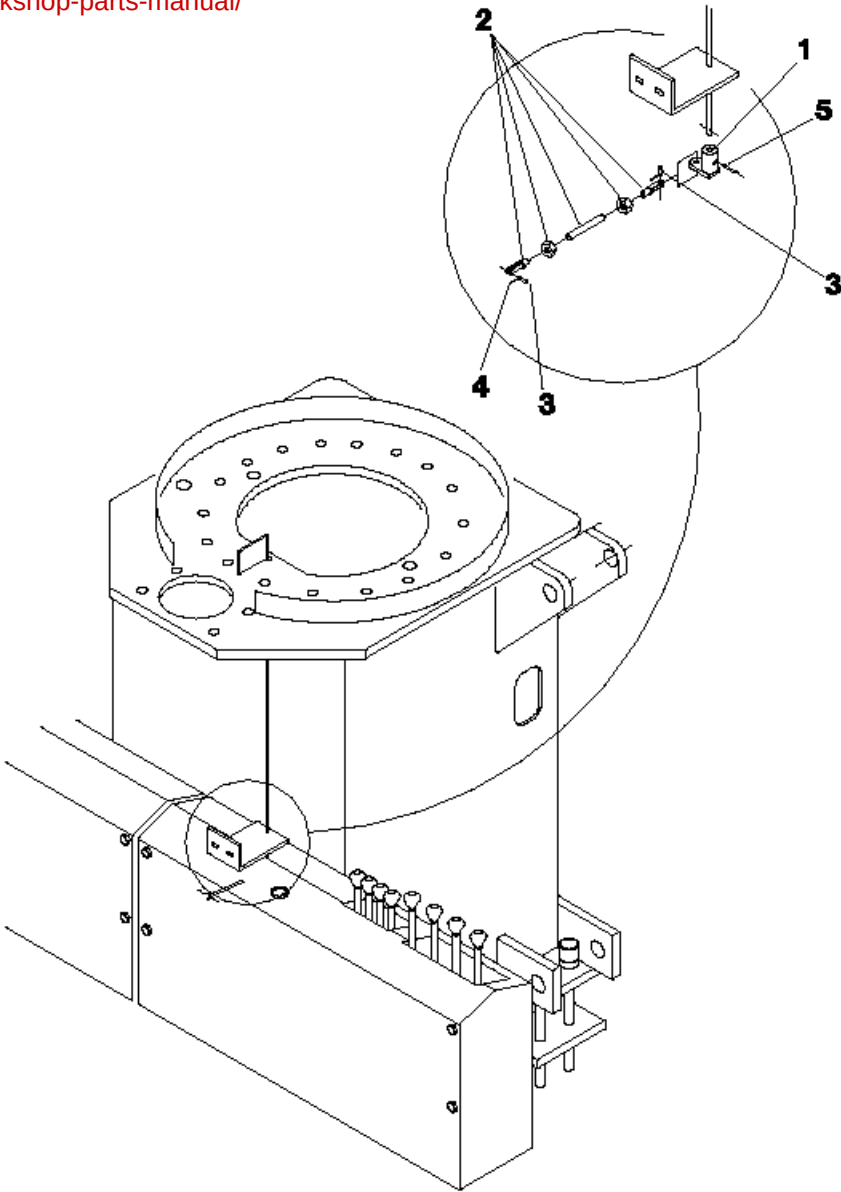
TURRET /ROTATION GEAR INSTALLATION

DATE: Revised 03-2006

MODEL: BT4000 Series

Page 12.3

**GROUP
12**



REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
	809-00410	Rotation Stop.....	1	*	221-11001	Nut, Hex Jam 5/16UNC	2
1	100-30028	Collar, Swing stop Casting	1	*	229-01008	Stud, Swing Kick Out	1
2	806-00245	Link, Swing Knockout Assembly	1	3	870-00129	Pin, Clevis, 5/16	2
*	809-00265	Yoke, 5/16	2	4	224-02001	Pin, Cotter	2
				5	224-14004	Pin, Roll 3/16 x 1 1/2"ong.....	1

*INCLUDED WITH ITEM #2

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