

Product: 2009 Terex BT3870 Boom Trucks Workshop Parts Manual

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# TEREX®



## PARTS MANUAL

# BT3870

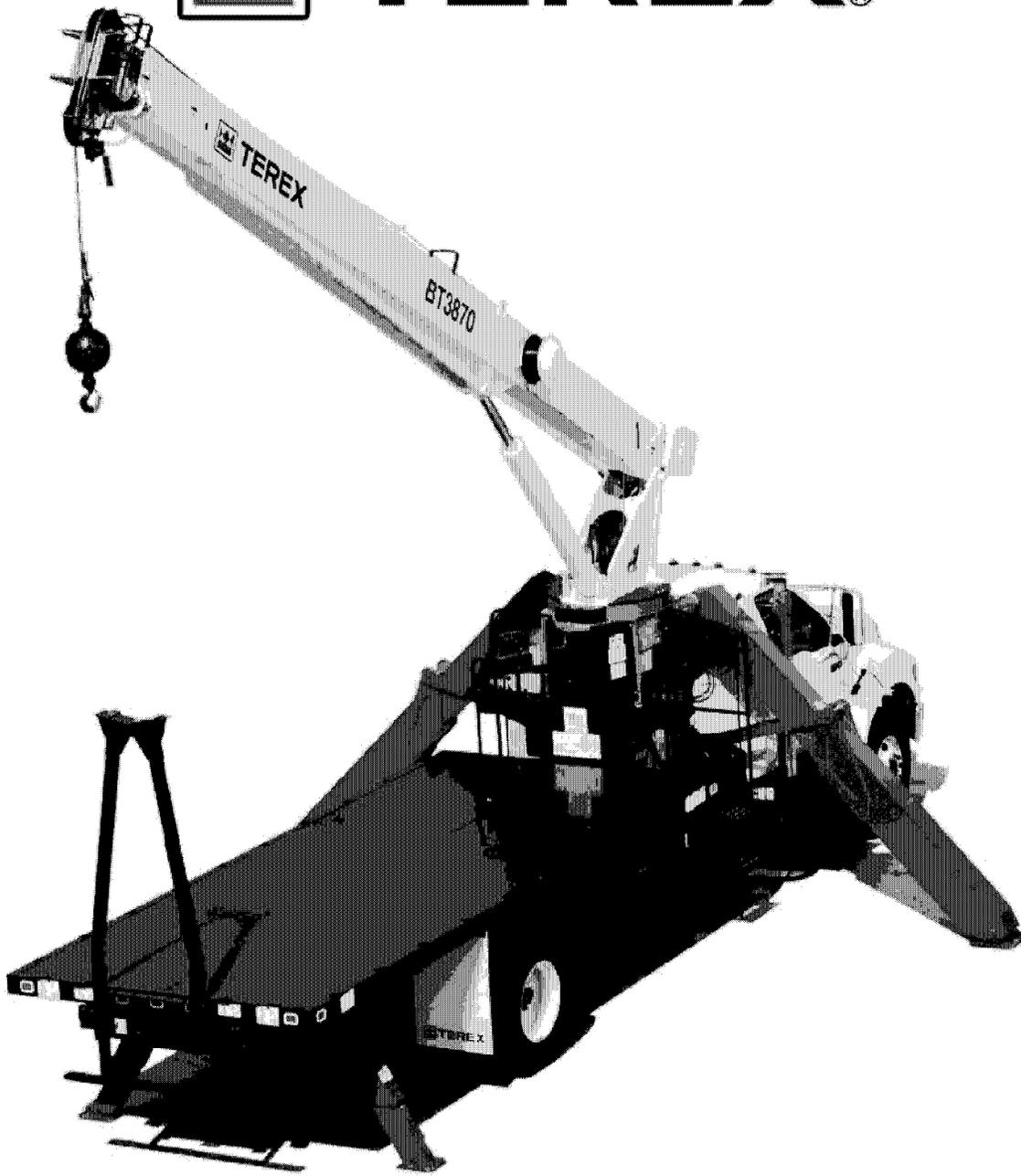
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## PARTS MANUAL

# BT3870

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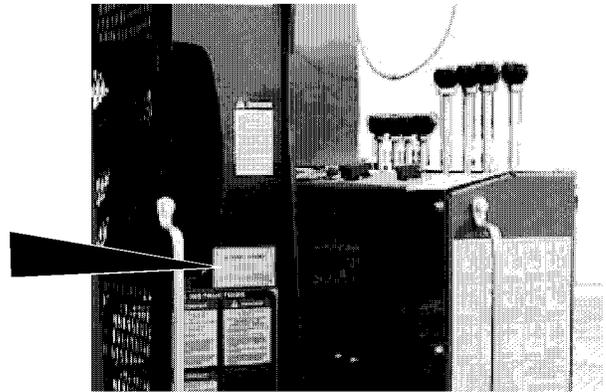
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# INSTRUCTIONS FOR ORDERING PARTS

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>
---------------------	------------

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.



**BT3870**

# PARTS GROUPS

## LOWER

- 2 CARRIER FRAME**
  - 2.1 TRUCK CHASSIS
  - 2.2 SUBFRAME ASSEMBLY
  - 2.5 SUBFRAME INSTALLATION
  - 2.7 MIDMOUNT TIEDOWN ASSEMBLY
  - 2.8 FLATBED OPTIONS
  - 2.9 FLATBED INSTALLATION MUDFLAP
  - 2.10 BOOM REST ASSEMBLY
  - 2.11 MAINFRAME INSTALLATION
  - 2.12 OPERATOR PLATFORM INSTALLATION
  - 2.13 OPERATOR PLATFORM ASSEMBLY
  - 2.14 PLATFORM US STREET SIDE
  - 2.16 PLATFORM US CURB SIDE
- 3 OUTRIGGERS**
  - 3.1 OUTRIGGERS
  - 3.2 MAIN OUTRIGGER ASSEMBLY
  - 3.3 MAIN OUTRIGGER ASSEMBLY
  - 3.4 MAIN OUTRIGGER CYLINDER
  - 3.5 AUXILIARY OUTRIGGER ASSEMBLY
  - 3.6 AUXILIARY OUTRIGGER CYLINDER
  - 3.7 SWITCH BOX ASSEMBLY - OUTRIGGERS

## UPPER

- 12 SUPERSTRUCTURE**
  - 12.1 TURRET INSTALLATION NON-CONTINUOUS ROTATION
  - 12.3 SWING STOP INSTALLATION NON-CONTINUOUS COMBINED FLOW
  - 12.5 SWING STOP INSTALLATION MOTOR SHIFT
  - 12.7 SWING STOP INSTALLATION FLAG WELD

## HYDRAULICS

- 22 SWING SYSTEM**
  - 22.1 ROTATION GEARBOX ASSEMBLY
- 24 PUMP DRIVE CASE**
  - 24.1 HYDRAULIC PUMP INSTALLATION
  - 24.2 TRIPLE VANE HYDRAULIC PUMP ASSEMBLY



## BT3870

# PARTS GROUPS

### 25 HYDRAULIC SYSTEM

- 25.1 HYDRAULIC RESERVOIR  
INSTALLATION
- 25.3 HYDRAULIC RESERVOIR  
FILTER INSTALLATION
- 25.4 HYDRAULIC RESERVOIR  
PIPING
- 25.5 MAIN VALVE ASSEMBLY  
STANDARD WINCH
- 25.6 MAIN VALVE PIPING  
NON-CONTINUOUS  
ROTATION
- 25.7 HYDRAULIC PIPING  
NON-CONTINUOUS  
ROTATION
- 25.8 HYDRAULIC PIPING - SWING
- 25.9 UNLOADER VALVE ASSEMBLY
- 25.10 WINCH VALVE ASSEMBLY
- 25.11 HYDRAULIC INSTALLATION  
SUBFRAME & MAINFRAME
- 25.15 HYDRAULIC INSTALLATION  
SUBFRAME & MAINFRAME
- 25.19 HYDRAULIC INSTALLATION  
SUBFRAME & MAINFRAME
- 25.23 HYDRAULIC INSTALLATION  
SUBFRAME & MAINFRAME
- 25.27 HYDRAULIC SCHEMATIC
- 25.30 HYDRAULIC INSTALLATION -  
MAINFRAME CONSOLE
- 25.34 HYDRAULIC INSTALLATION -  
MAINFRAME CONSOLE
- 25.38 HYDRAULIC INSTALLATION -  
MAINFRAME CONSOLE
- 25.44 HYDRAULIC INSTALLATION -  
MAINFRAME CONSOLE
- 25.50 CENTER POST INSTALLATION -  
CONTINUOUS ROTATION

### 28 OPERATOR CONTROLS

- 28.1 CONTROL CONSOLE  
ASSEMBLY  
CONTINUOUS ROTATION AND  
NON CONTINUOUS  
COMBINED FLOW
- 28.4 CONTROL CONSOLE  
ASSEMBLY  
CONTINUOUS ROTATION AND  
NON CONTINUOUS  
MOTOR SHIFT
- 28.7 THROTTLE ASSEMBLY
- 28.8 THROTTLE INSTALLATION

### MISCELLANEOUS

### 29 TOOLS, PAINT, LUBRICANTS

- 29.1 TOOLS / PAINTS

### 30 DECALS & PLACARDS

- 30.1 MARKING DECAL PLACEMENT
- 30.4 MARKING DECAL PLACEMENT
- 30.7 MARKING DECAL PLACEMENT
- 30.9 MARKING DECAL PLACEMENT
- 30.11 MARKING DECAL PLACEMENT
- 30.13 MARKING DECAL PLACEMENT -  
OPTIONAL



# PARTS GROUPS

## BT3870

### ELECTRICAL

#### 33 ELECTRICAL SYSTEM

- 33.1 ELECTRICAL SYSTEM  
HARNESSES
- 33.2 ELECTRICAL SYSTEM  
CONSOLE CONTROLS
- 33.3 ELECTRICAL ASSEMBLY -  
MAIN FRAME
- 33.4 ELECTRICAL OUTRIGGER CTL.
- 33.5 ELECTRICAL ASSEMBLY -  
SUBFRAME

### WINCH, BOOM, & ATTACHMENTS

#### 39 HYDRAULIC TELESCOPING BOOMS

- 39.1 BOOM ASSEMBLY - 70'
- 39.2 BOOM ASSEMBLY - 70' BASE
- 39.4 BOOM ASSEMBLY - 70'  
2ND STAGE
- 39.6 BOOM ASSEMBLY - 70'  
3RD STAGE
- 39.8 EXTENSION CYLINDER  
ASSEMBLY - 70' BOOM
- 39.10 CABLE GUIDE INSTALLATION  
70' BOOM
- 39.12 BOOM AND TOPPING  
CYLINDER INSTALLATION
- 39.14 TOPPING CYLINDER

#### 39A JIB

- 39A.1 JIB ASSEMBLY - SINGLE  
STAGE
- 39A.3 JIB ASSEMBLY - SINGLE  
STAGE
- 39A.4 JIB ASSEMBLY - TWO STAGE
- 39A.6 JIB ASSEMBLY - TWO STAGE
- 39A.9 JIB ASSEMBLY - TWO STAGE
- 39A.10 JIB ASSEMBLY - TWO STAGE
- 39A.11 JIB STOWAGE

#### 40 HYDRAULIC WINCH

- 40.1 HYDRAULIC WINCH  
NON-CONTINUOUS  
COMBINED FLOW 1 SPEED
- 40.10 HYDRAULIC WINCH  
NON-CONTINUOUS  
MOTOR SHIFT 2 SPEED
- 40.19 WINCH MOTOR  
CONTINUOUS ROTATION  
COMBINED FLOW 1 SPEED
- 40.28 WINCH MOTOR  
CONTINUOUS ROTATION  
MOTOR SHIFT 2 SPEED
- 40.37 WINCH ASSEMBLY
- 40.39 WINCH ASSEMBLY
- 40.41 WINCH BRAKE VALVE

#### 44 HOOK BLOCKS, BALLS

- 44.1 HOOK BLOCK - 1 SHEAVE /  
15 TON
- 44.2 HOOK BLOCK - 2 SHEAVE /  
25 TON
- 44.3 HOOK BALL - 6 1/4 TON
- 44.4 HOOK BALL - 7 TON SWIVEL
- 44.5 HOOK BALL - 7 TON NON -  
SWIVEL



**TEREX**

# PARTS GROUPS

## BT3870

### 45 WIRE ROPE AND REEVING

- 45.1 WIRE ROPE AND REEVING

### ACCESSORIES

### 51 OPTIONAL EQUIPMENT

- 51.1 TOOL BOX - INSTALLATION
- 51.3 OIL COOLER INSTALLATION
- 51.5 FRONT BUMPER OUTRIGGER -  
INSTALLATION (34" FRAME)
- 51.8 FRONT BUMPER OUTRIGGER -  
INSTALLATION (46" FRAME)
- 51.11 FRONT BUMPER OUTRIGGER  
VALVE
- 51.12 HYDRAULIC INSTALL NON  
CONTINUOUS ROTATION -  
COMBINED FLOW
- 51.21 HYDRAULIC INSTALL NON  
CONTINUOUS ROTATION -  
MOTOR SHIFT
- 51.30 HYDRAULIC INSTALL  
CONTINUOUS ROTATION -  
COMBINED FLOW
- 51.39 HYDRAULIC INSTALL  
CONTINUOUS ROTATION -  
MOTOR SHIFT
- 51.48 1 PERSON STEEL PLATFORM -  
ASSEMBLY
- 51.50 1 PERSON STEEL PLATFORM  
INSTALLATION
- 51.52 2 PERSON STEEL PLATFORM  
INSTALLATION
- 51.53 2 PERSON STEEL PLATFORM -  
ASSEMBLY

- 51.57 RADIO REMOTE CONTROL
- 51.59 RADIO REMOTE CONTROL  
ACTUATOR VALVE ASSEMBLY
- 51.60 RADIO REMOTE CONTROL -  
WIRING DIAGRAM
- 51.61 INCHING WINCH

### 52 RATED CAPACITY INDICATOR

- 52.1 GREER RCI510 ASSEMBLY
- 52.3 GREER UG500R COMPUTER
- 52.4 GREER REEL
- 52.6 SWITCH BOX  
ASSEMBLY - GREER DISPLAY



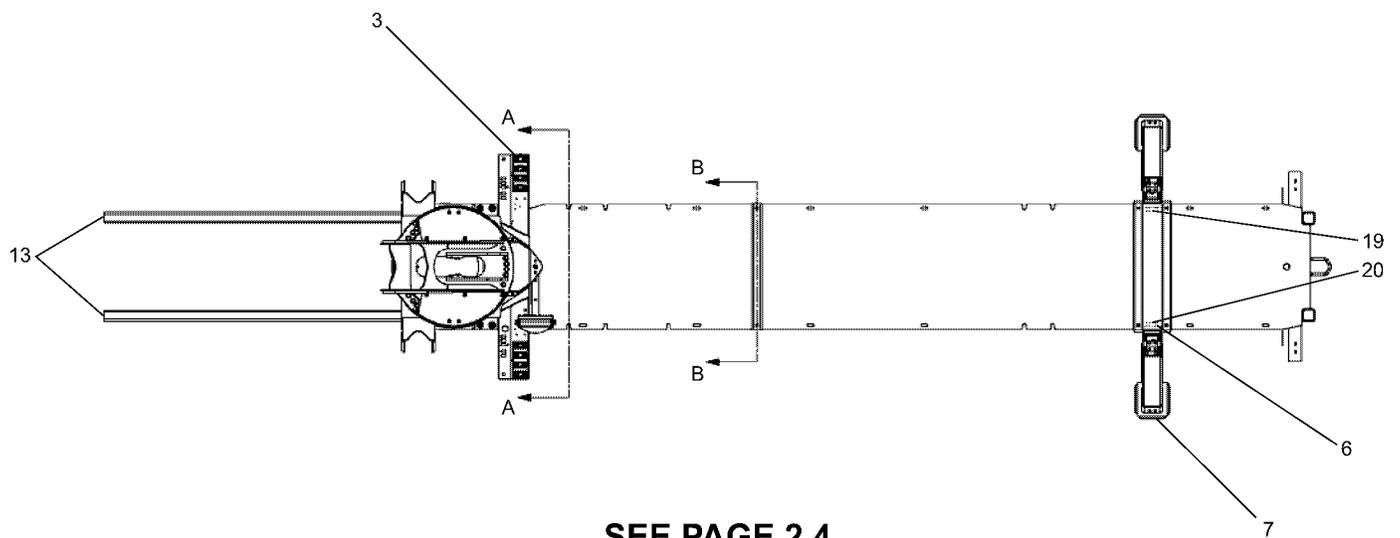
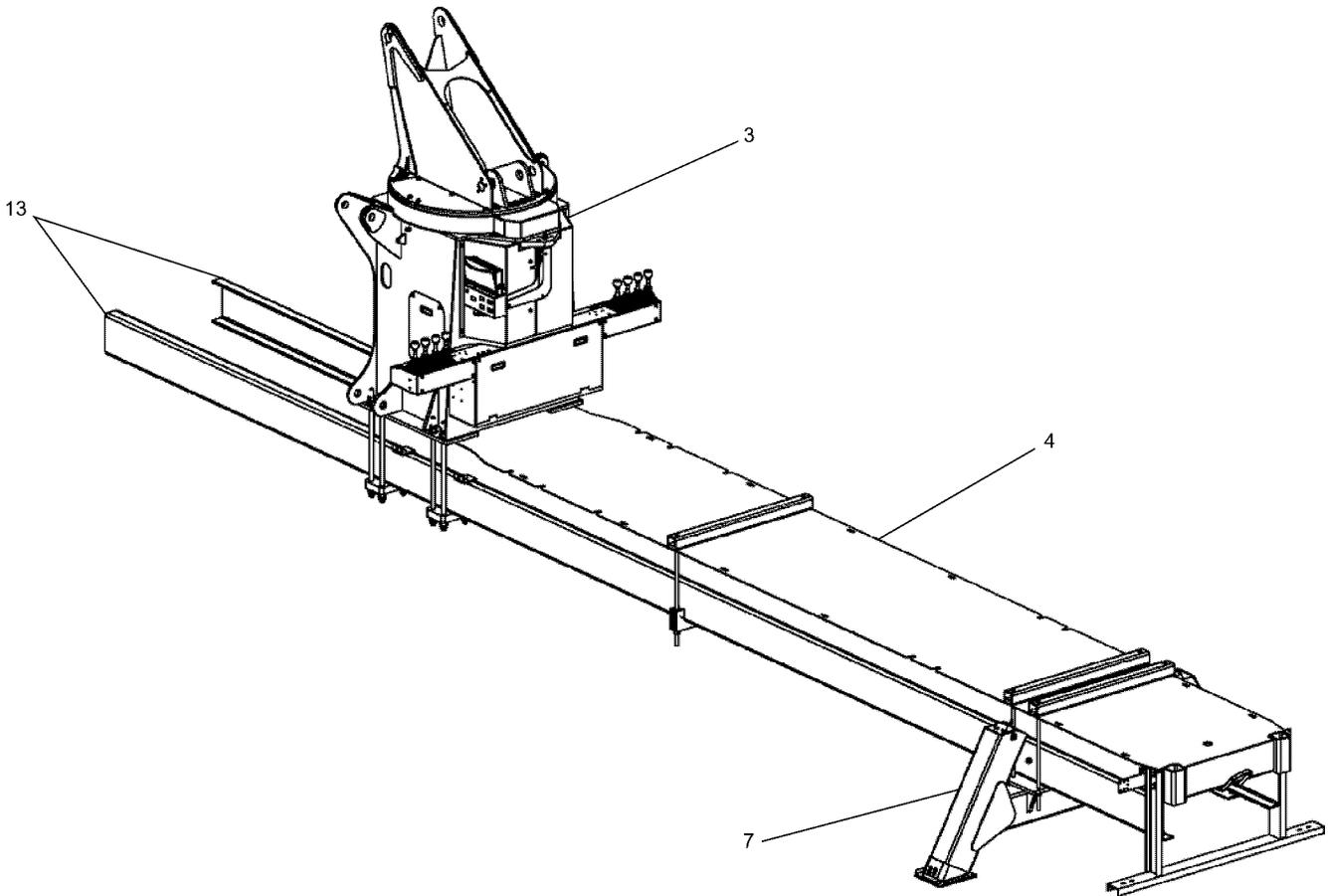
Refer to Truck Chassis manufacturer (Ford, Freightliner, Sterling, etc.) for truck repair/replacement parts.

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

	<b>TRUCK CHASSIS</b>	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.1	



**SEE PAGE 2.4**

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



**SUBFRAME ASSEMBLY**

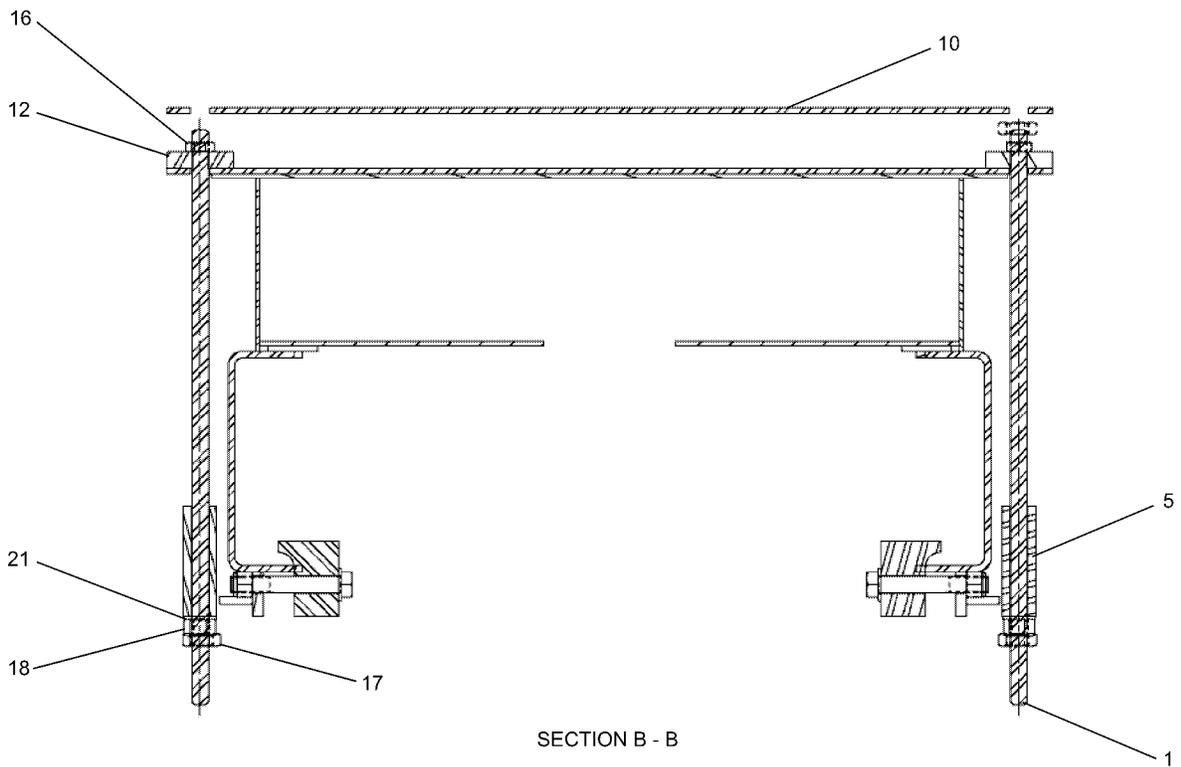
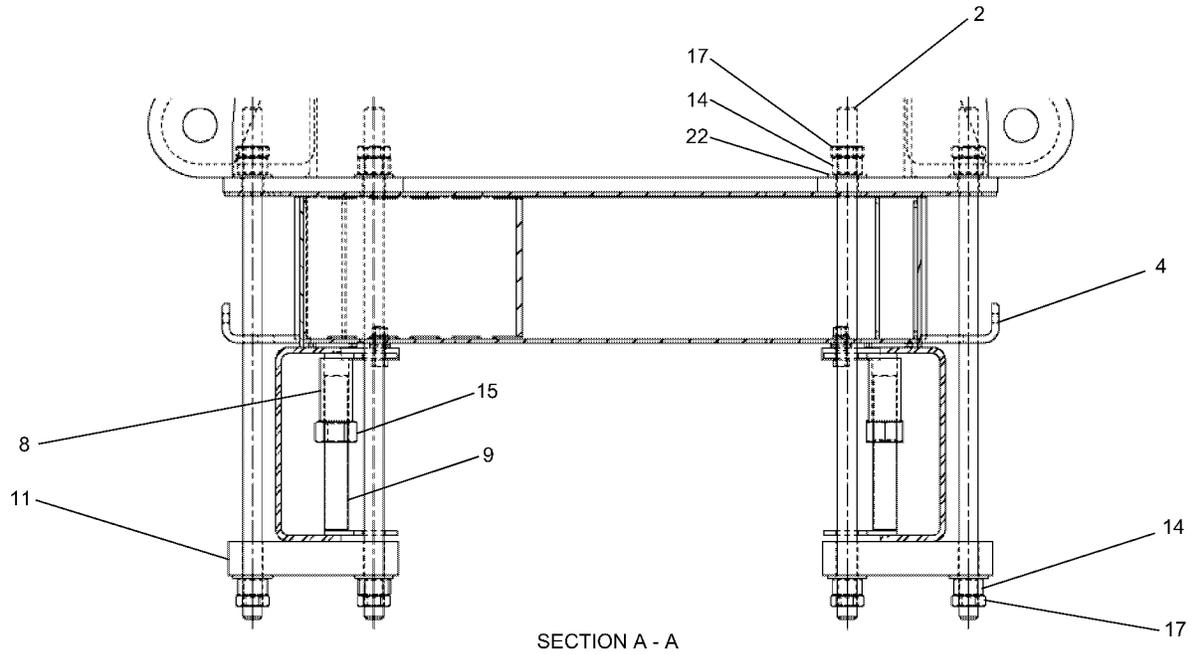
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.2

**GROUP**

**2**



**SEE PAGE 2.4**

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



**SUBFRAME ASSEMBLY**

DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.3

GROUP

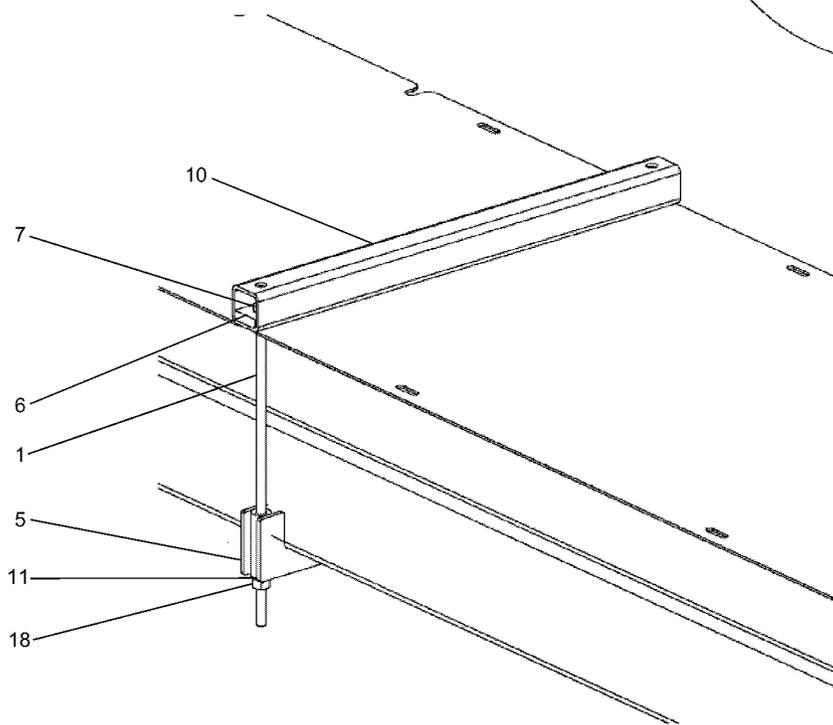
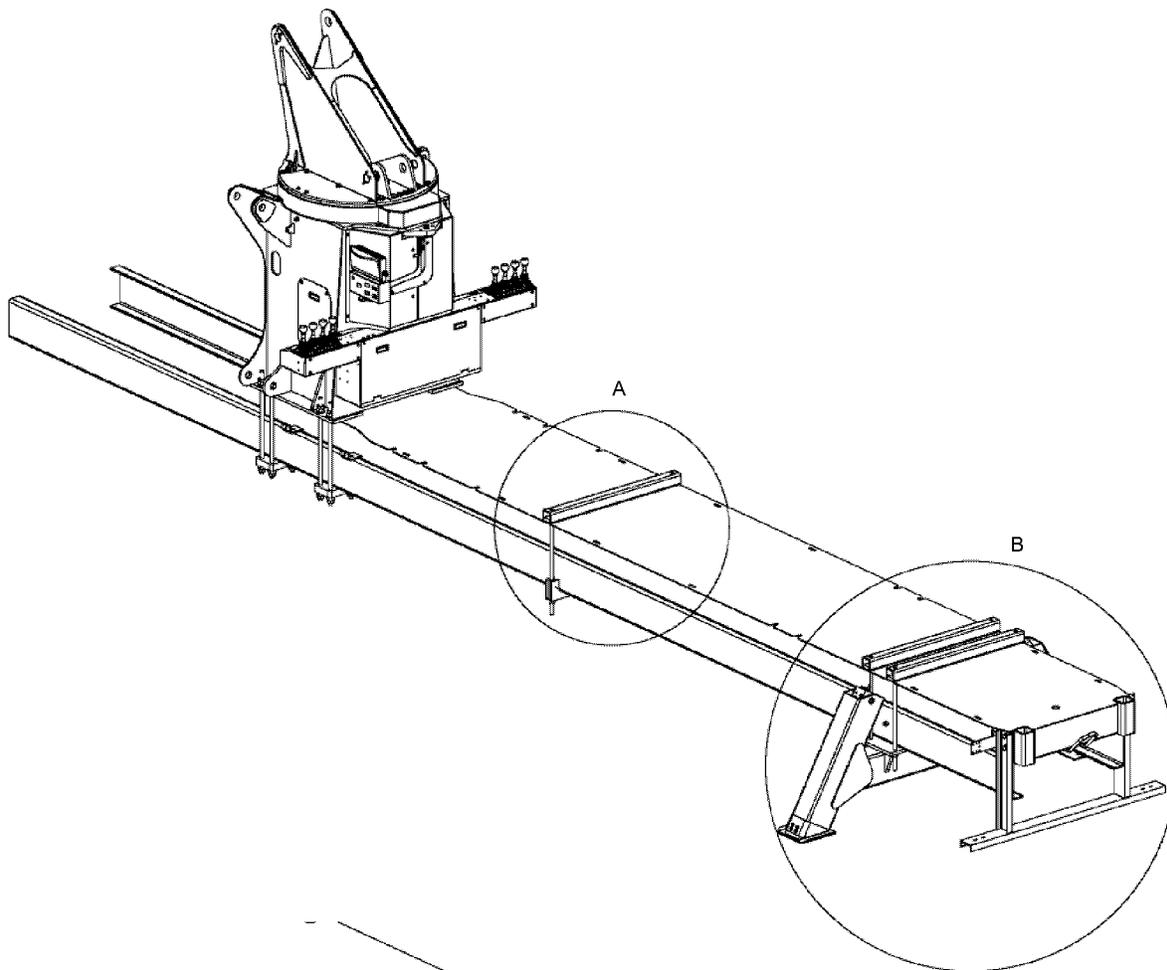
**2**

## SEE PAGES 2.2, 2.3

REF	PART NO.	DESCRIPTION	QTY
	695-10018	<i>Subframe - Mainframe Assembly (Items 1-22)</i>	
1	220-07056	Rod, Tie.....	6
2	220-09117	Tiedown Rod, Mainframe 1.00 - 14 X 26.0.....	16
3	695-00185	Mainframe - Console Assembly .....	1
4	695-00189	Subframe Assembly .....	1
5	701-00768	Mid - Mount Tiedown Assembly .....	2
6	709-01902	Frame Reinforcement.....	AS REQ
7	760-00446	Auxiliary Outrigger Assembly .....	1
8	772-00028	Frame Stiffener Weldment .....	4
9	772-00029	Frame Stiffener Weldment .....	4
10	782-01734	Cross Tube .....	3
11	789-05767	Tie Down Plate .....	4
12	789-05852	Tap Block .....	6
13	CHASSIS FRAME	Chassis Frame .....	REF
14	N04-A00S000-Y8	Nut, HEX 1.00 - 14, ST YZ GR8.....	32
15	N04-A25F000-Y8	Nut, HEX 1.25 - 12, ST YZ GR8.....	4
16	N05-750F000-Y8	Nut, HEX Jam 0.75 - 16, ST YZ GR8.....	6
17	N05-A00S000-2A	Nut, HEX Jam 1.00 - 14, ST Z GRA.....	32
18	N12-750F000-2A	Nut, HEX HVY 0.75 - 16, ST ZN GRA.....	6
19	NYL-625C000-25	Nut, HEX NYL - INS 0.625 - 11, ST Z G5 .....	AS REQ
20	S01-625CC50-25	Screw, HHCS 0.625 - 11 X 3.50, ST Z GR5 .....	AS REQ
21	WAH-75NX000-Y2	Washer, FL HRD A - NRW 0.75, ST YZ.....	6
22	WAH-A0NX000-Y2	Washer, FL HRD A - NRW 1.00, ST YZ.....	32

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

	<h3 style="margin: 0;">SUBFRAME ASSEMBLY</h3>	DATE: Revised 07-2009	<b>GROUP</b>  <span style="font-size: 2em; font-weight: bold;">2</span>
		MODEL: BT3870	
		PAGE 2.4	



DETAIL A

**SEE PAGE 2.6**

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



**SUBFRAME INSTALLATION**

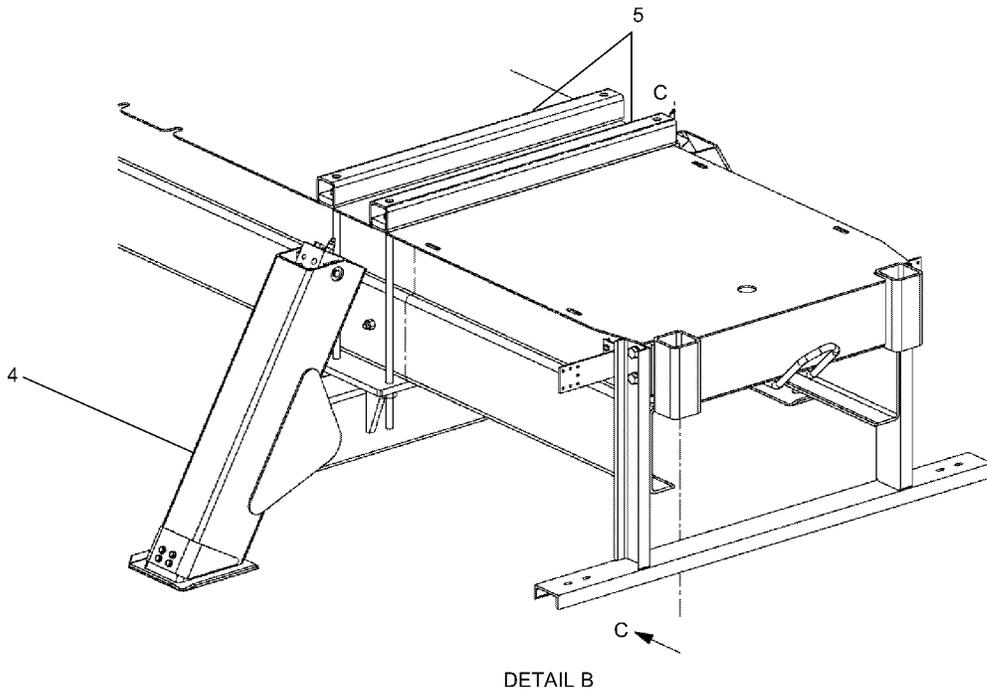
DATE: Revised 07-2009

MODEL: BT3870

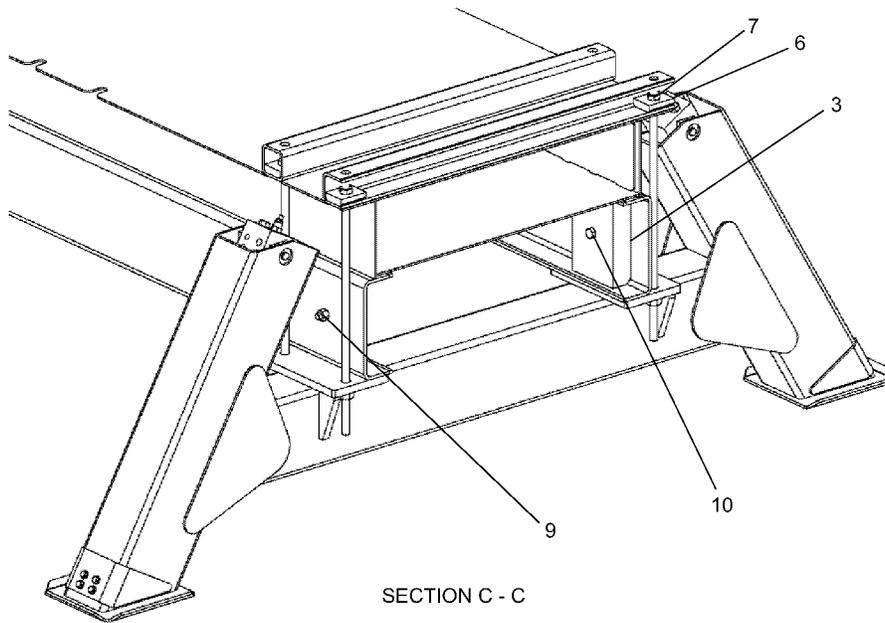
PAGE 2.5

GROUP

**2**



DETAIL B



SECTION C - C

**SEE PAGE 2.5**

REF	PART NO.	DESCRIPTION	QTY	REF	PART NO.	DESCRIPTION	QTY
1	220-07056	Rod, Tie .....	6	8	N12-750F000-2A	Nut, HEX HVY 0.75 - 16, ST ZN GRA.....	6
2	701-00768	Mid - Mount Tie Down Assembly .....	2	9	NYL-625C000-25	Nut, HEX NYL - INS 0.625 - 11, ST Z G5 .....	AS REQ
3	709-01902	Frame Reinforcement.....	AS REQ	10	S01-625CC50-25	Screw, HHCS 0.625 - 11 X 3.50, ST Z GR5 .....	AS REQ
4	760-00446	Auxiliary Outrigger Assembly.....	1	11	WAH-75NX000-Y2	Washer, FL HRD A - NRW 0.75, ST YZ .....	6
5	782-01734	Cross Tube .....	3				
6	789-05852	Tap Block .....	6				
7	N05-750F000-Y8	Nut, HEX Jam 0.75 - 16, ST YZ GR8 .....	6				

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



**SUBFRAME INSTALLATION**

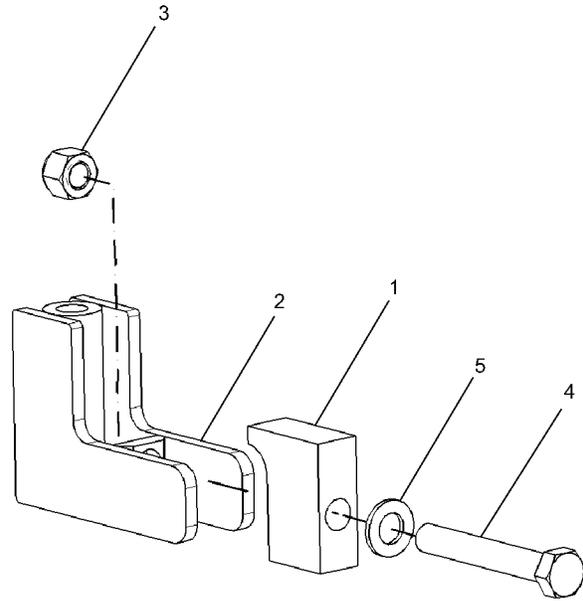
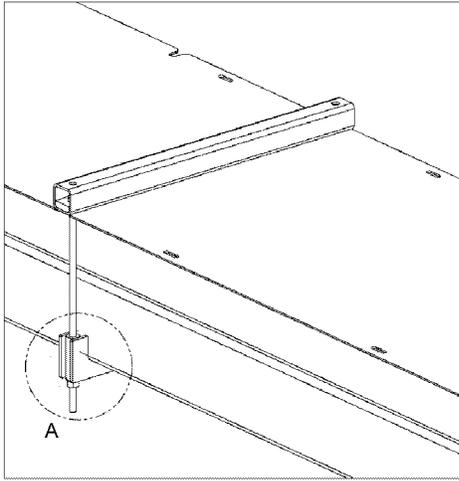
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.6

GROUP

**2**



DETAIL A

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	701-00768	Mid-Mount Tiedown assembly (Items 1-5)	
1	701-00769	Clamp Plate, Mid-Mount .....	1
2	701-00767	Mid-Mount Weldment .....	1
3	NYL-750C000-Y8	NUT, HEX NYL-INS 0.75-10,ST YZ G8 .....	1
4	S01-750CE00-Y8	HHCS 0.75-10X5.00, ST YZ GR8 .....	1
5	WAH-75NX000-Y2	WSH, FL HRD A-NRW 1.75, ST YZ.....	1

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

	<b>MIDMOUNT TIEDOWN</b> Assembly	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.7	

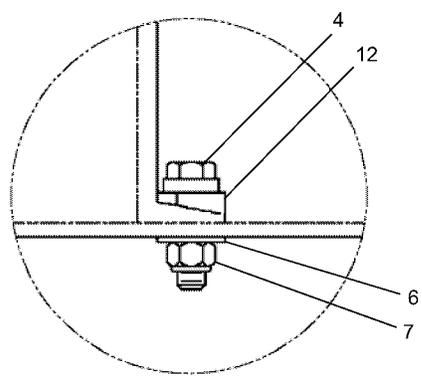
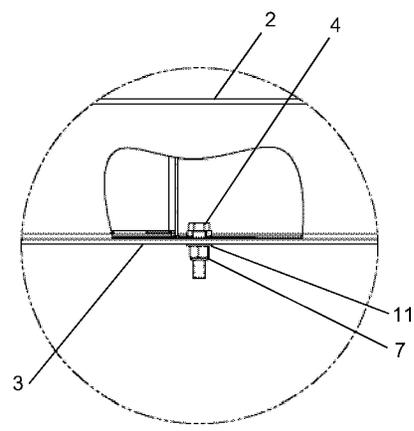
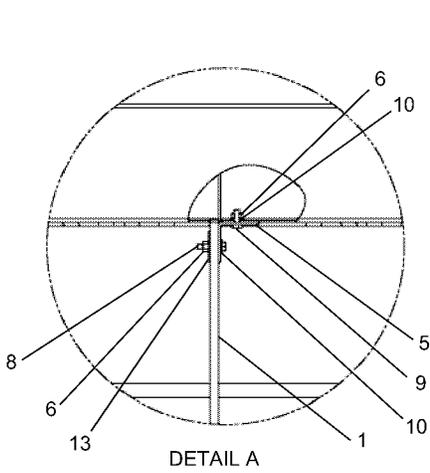
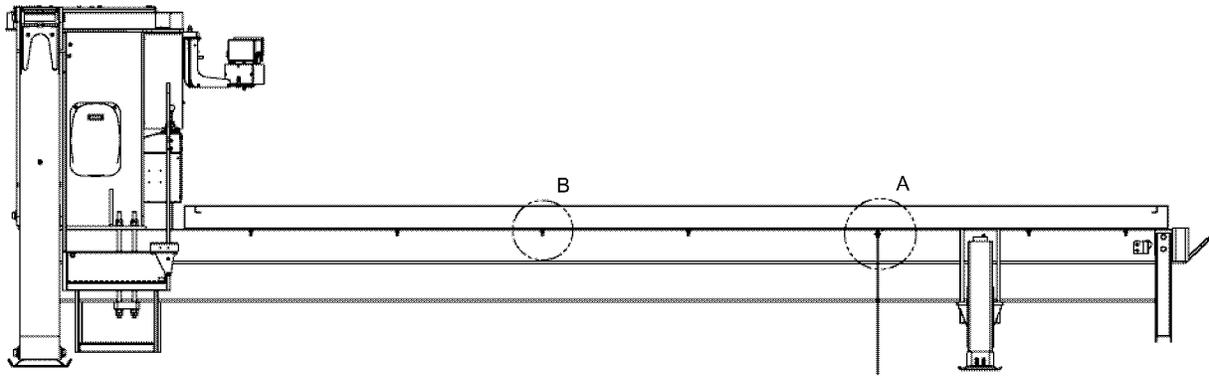


## BT3870

PART NUMBER	FLATBED OPTION
600-38232-1	20' Steel Standard Duty Flatbed
600-38232-2	20' Wood Standard Duty Flatbed
600-38232-3	20' Steel Super Duty Flatbed
600-38232-4	20' Wood Super Duty Flatbed

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

	<b>FLATBED OPTIONS</b>	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.8	



DETAIL A

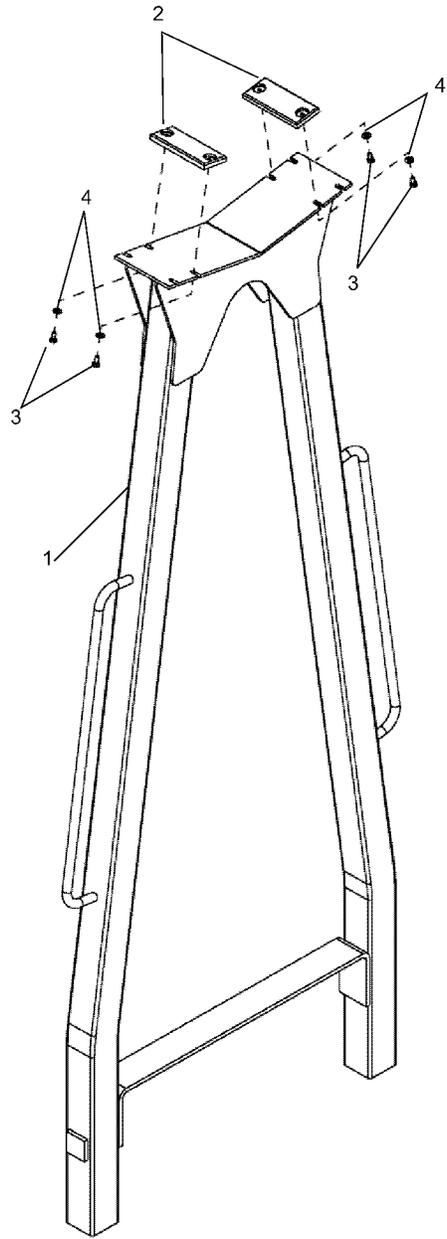
DETAIL B  
STD FLATBED  
TYP MOUNTING  
BOTH SIDES

SUPER DUTY FLATBED  
TYP MOUNTING  
BOTH SIDES (VIEW FOR REF)

REF	PART NO.	DESCRIPTION	QTY
1	209-00461	Mudflap.....	2
2	600-38232-1	Flatbed, Steel, Std Duty 240.00.....	REF
3	695-10018	Subframe - Mainframe Assembly.....	REF
4	709-01925	Flatbed Bolt Weld.....	12
5	785-00561	Support Angle - Mudflap.....	2
6	NYL-250C000-25	Nut, Hex NYL - INS 0.25 - 20, ST Z G5.....	18
7	NYL-500C000-25	Nut, Hex NYL - INS 0.50 - 13, ST Z G5.....	12
8	S01-250CA25-25	Screw, HHCS 0.25 - 20 X 1.25, ST Z GR5.....	8
9	SHF-250C750-25	Screw, HHCS FT 0.25 - 20 X 0.75, ST Z G5.....	6
10	WAN-25NX000-20	Washer, FL TYPA - NRW 0.25, ST Z.....	26
11	WAN-50NX000-20	Washer, FL TYPA - NRW 0.50, ST Z.....	16
12	WBV-500X001	Bevel Washer 1/2" Zinc PLT.....	REF
13	WFD-250XA50-20	Washer, FNDR 0.25 X 1.50, ST Z.....	8

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

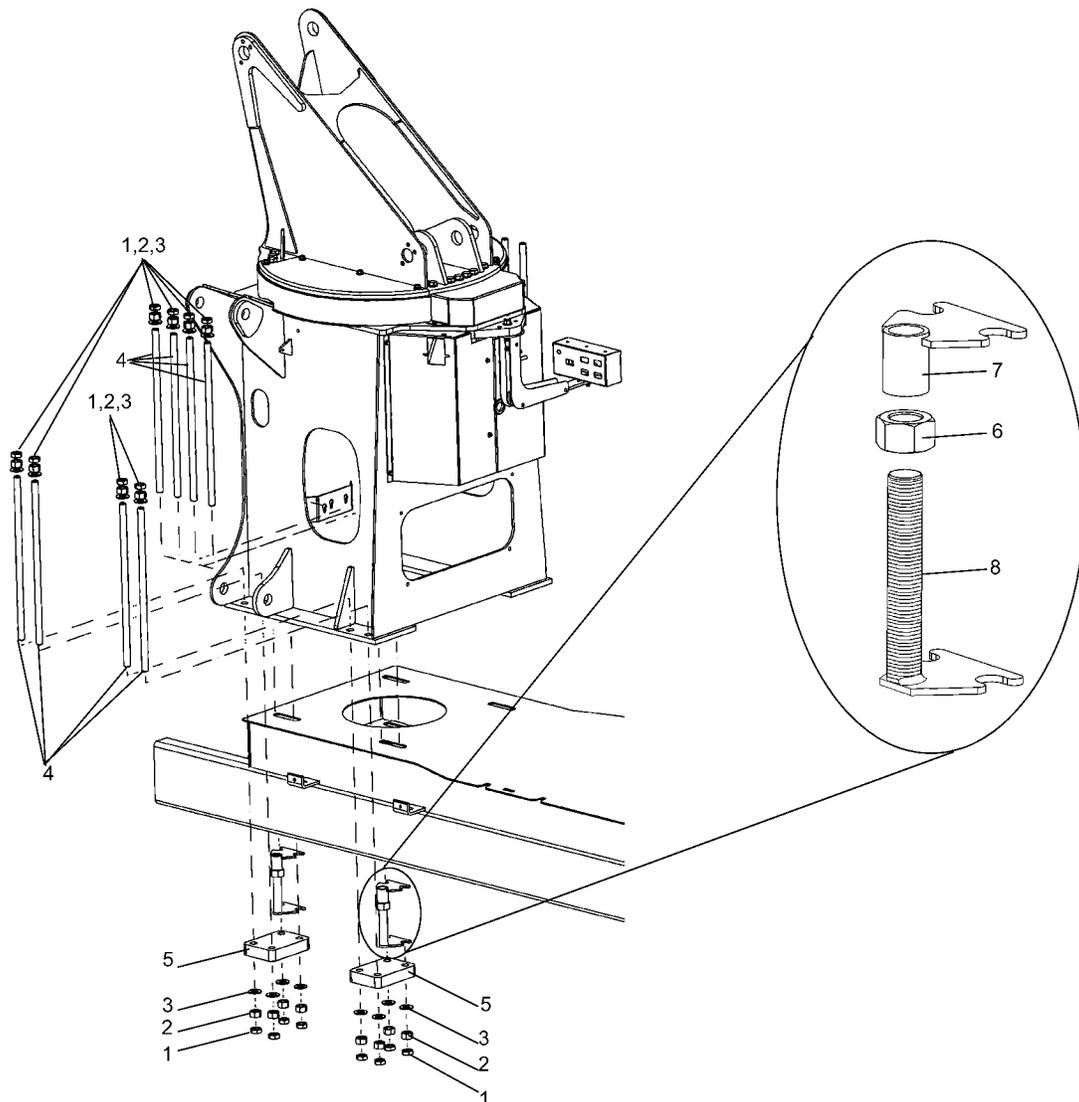
	<b>FLATBED INSTALLATION</b> Mudflap	DATE: Revised 07-2009	<b>GROUP</b> <b>2</b>
		MODEL: BT3870	
		PAGE 2.9	



<u>REF</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	698-00065	Boom Rest Assy (Items 1-4)	
1	709-01835	Boom Rest Weldment .....	1
2	729-02883	Boom Rest Pad .....	2
3	SHF-312C625-25	SCR,HHCS FT 0.312-18 X 0.625, STZG5.....	4
4	WAH-31NX000-Y2	WSH, FL HRD A-NRW 0.3125, ST YZ .....	4

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

	<b>BOOM REST ASSEMBLY</b>	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.10	



REF	PART NO	DESCRIPTION	QTY
1	N05-A00S000-2A	Nut, Hex Jam 1-14, ST Z GRA .....	32
2	N04-A00S000-Y8	Nut, Hex 1-14 ST YZ GR8 .....	32
3	Wah-A0NX000-Y2	WSH, FL Hard A-NRW 1.00 ST YZ .....	32
4	220-09117	Tiedown Rod, Mainframe 1-14x16.....	16
5	789-05767	Tie Down Plate .....	4
6	N04-A25F000-Y8	Nut, Hex 1.25-12, ST YZ GR8.....	4
7	772-00028	Frame Stiffener Weldment.....	4
8	772-00029	Frame Stiffener Weldment.....	4

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



## MAINFRAME INSTALLATION

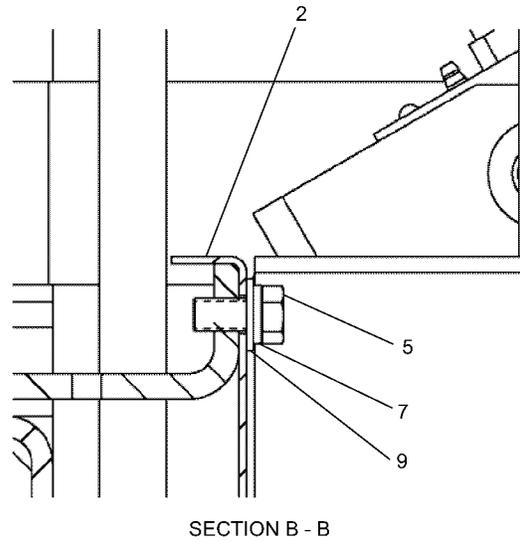
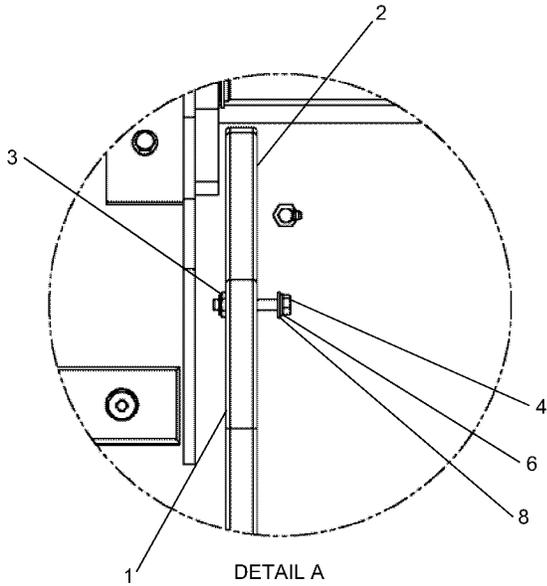
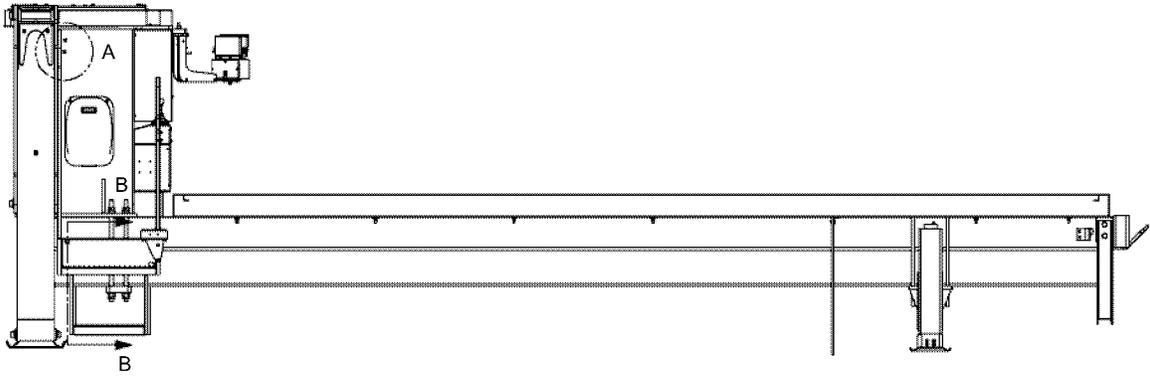
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.11

GROUP

**2**



REF	PART NO.	DESCRIPTION	QTY
1	695-10018	Subframe - Mainframe Assembly .....	REF
2	695-10026-1	Plat Form U.S Street Side .....	1
3	NYT-375C000-22	Nut, Nylk Hvythn 0.375 - 16, ST Z G2 .....	2
4	S01-375CB25-25	Screw, HHCS 0.375 - 16 X 2.25, ST Z GR5 .....	2
5	SHF-500CA00-25	Screw, HHCS FT 0.50 - 13 X 1.00, ST Z G5 .....	4
6	W07-375X000-20	Washer, LCK, Med Splt 0.375, ST Z .....	2
7	W07-500X000-20	Washer, LCK, Med Splt 0.50, ST Z .....	4
8	WAN-37NX000-20	Washer, FL TYPA-NRW 0.375, ST Z .....	2
9	WAN-50NX000-20	Washer, FL TYPA-NRW 0.50, ST Z .....	16

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



## OPERATOR PLATFORM

Installation

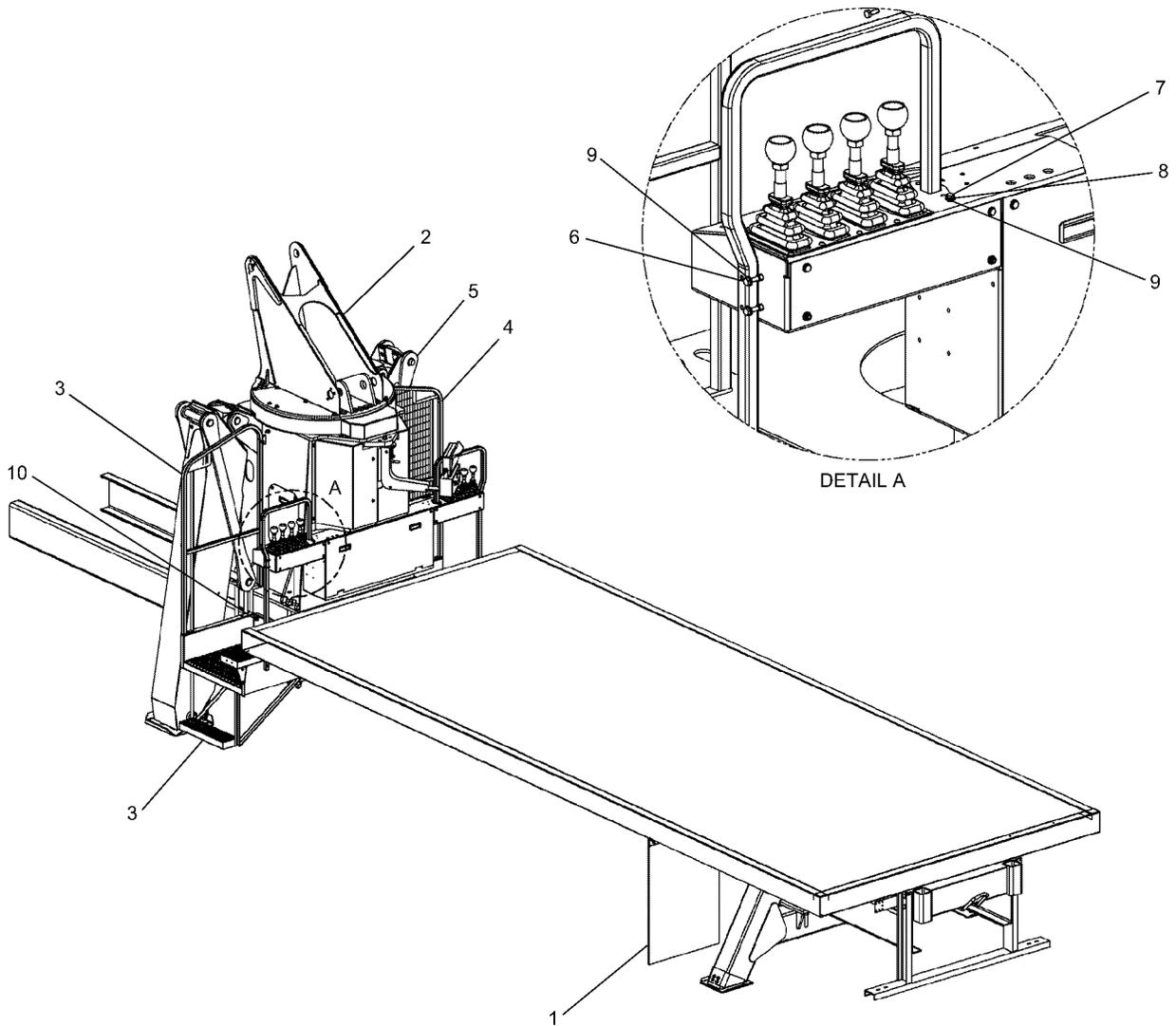
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.12

GROUP

**2**



REF	PART NO.	DESCRIPTION	QTY
1	209-00461	Mudflap .....	2
2	695-10018	Subframe - Mainframe Assembly .....	REF
3	695-10026-1	Plat Form U.S Street Side .....	1
4	695-10026-2	Plat Form U.S Curb Side .....	1
5	760-00445	Leg Assy, Main Outrigger .....	2
6	S01-250CA75-25	Screw, HHCS 0.25 - 20 X 1.75, ST Z GR5 .....	4
7	SHF-250C625-25	Screw, HHCS FT 0.25 - 20 X 0.625, ST Z G5 .....	4
8	W07-250X000-20	Washer, LCK, Med Spl't 0.25, ST Z .....	4
9	WAN-25NX000-30	Washer, FL TYPA - NRW 0.25, ST Z .....	26
10	WAN-50NX000-20	Washer, FL TYPA - NRW 0.50, ST Z .....	16

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



**OPERATOR PLATFORM**  
Assembly

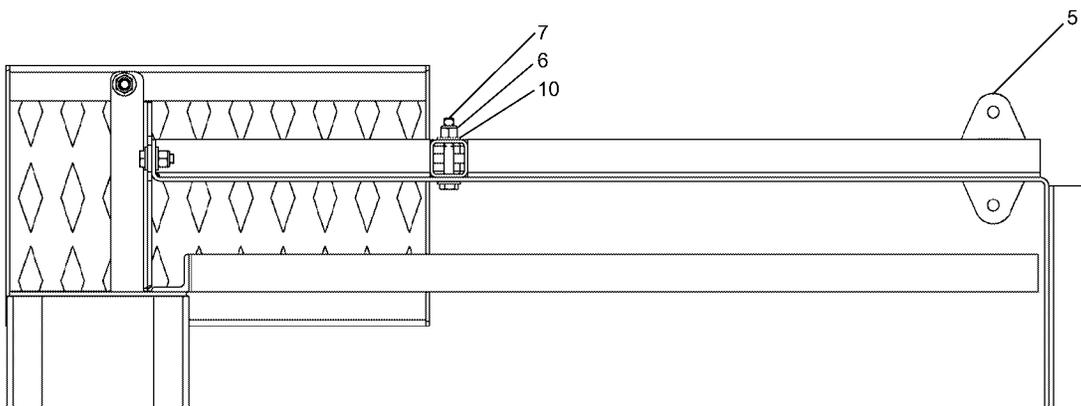
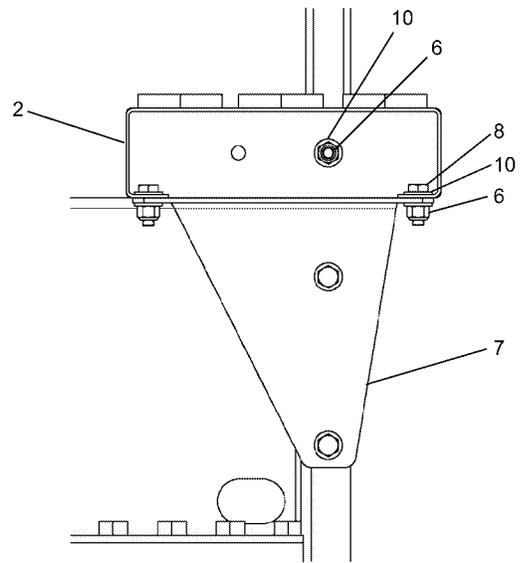
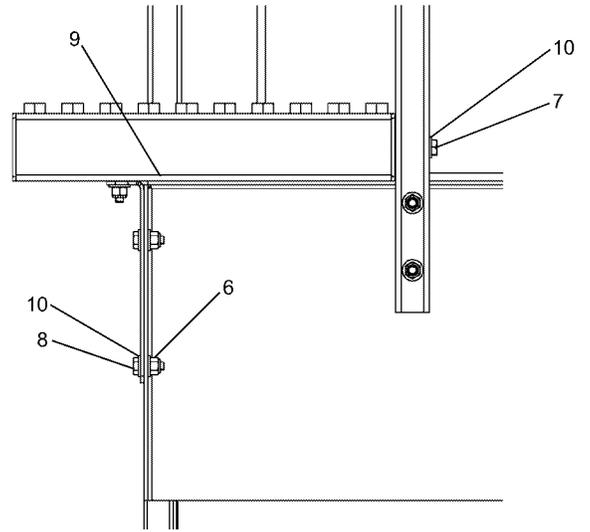
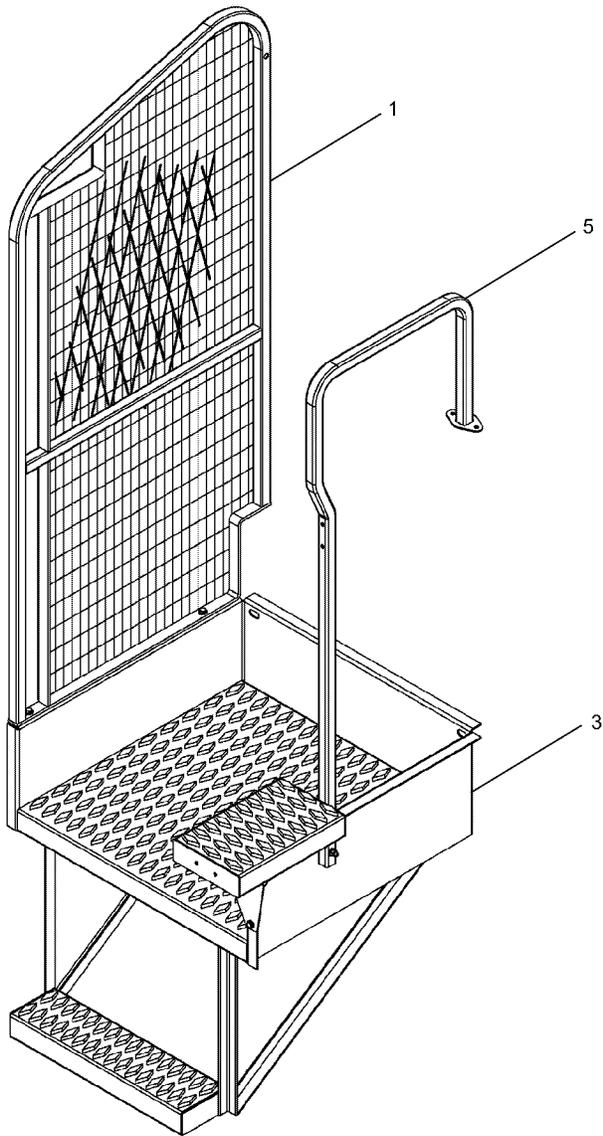
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.13

GROUP

**2**



**SEE PAGE 2.15**

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



**PLATFORM U.S. STREET SIDE**

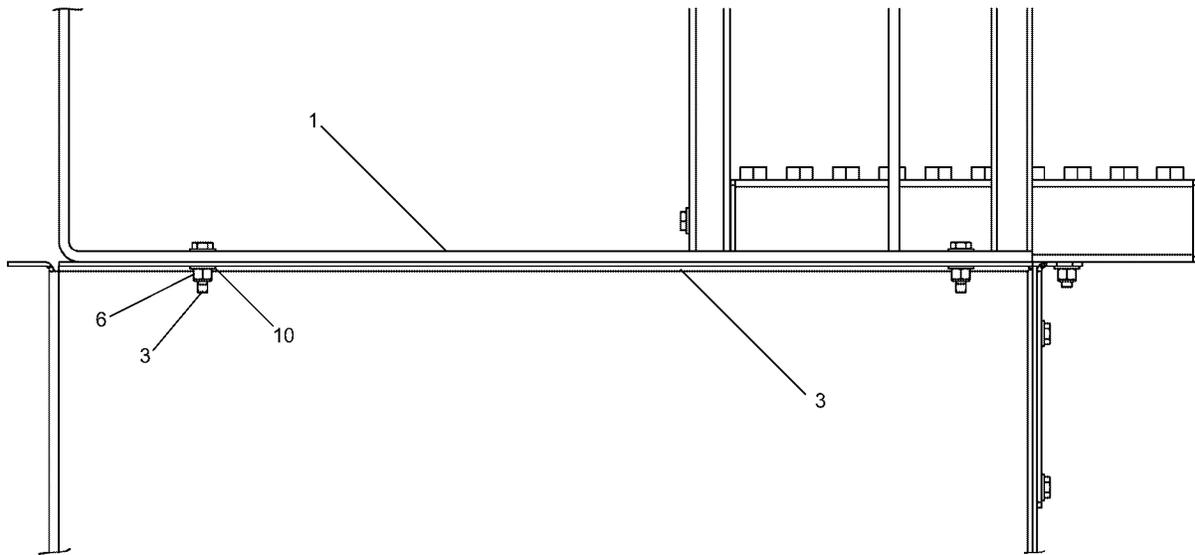
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.14

GROUP

**2**

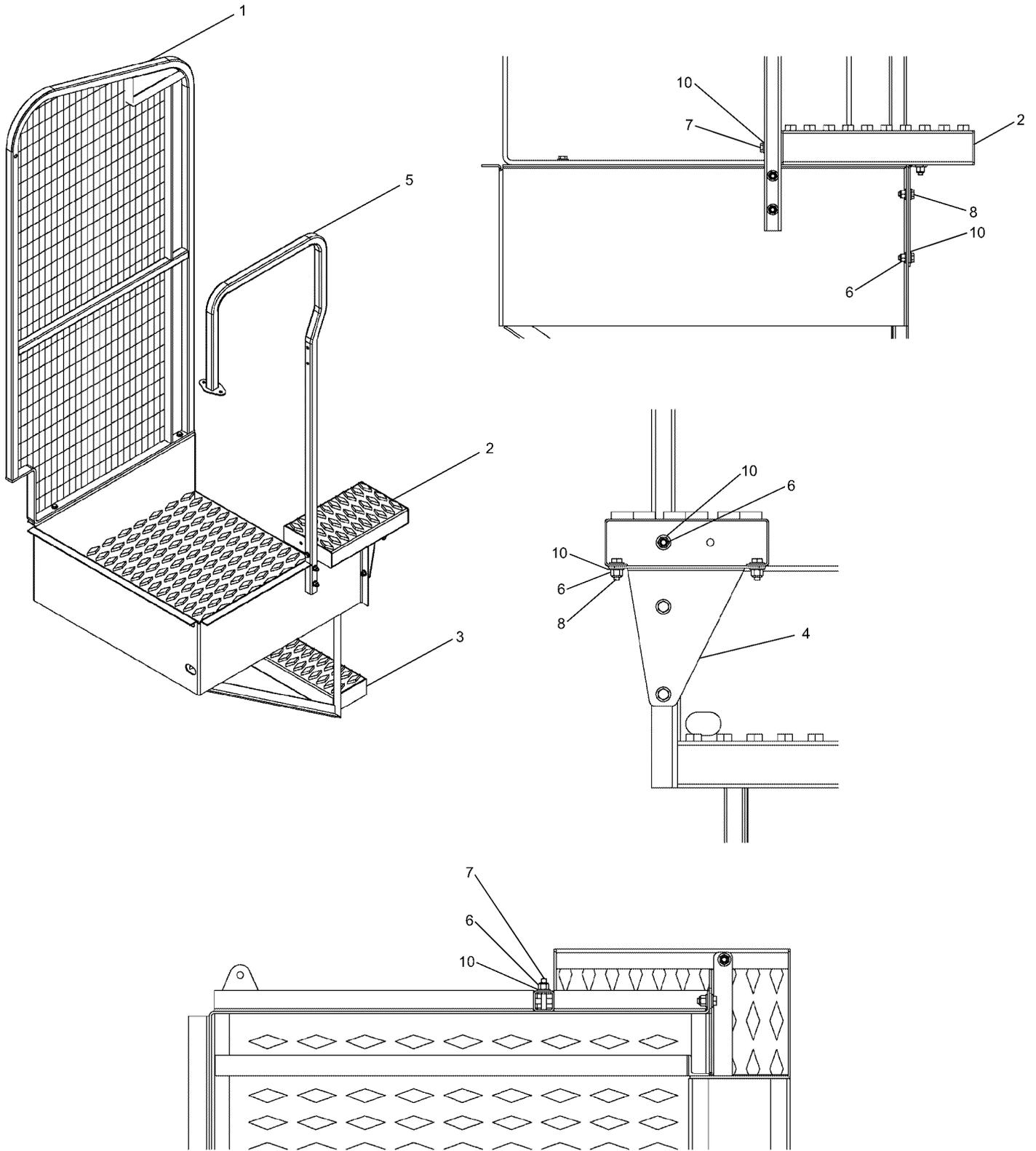


**SEE PAGE 2.14**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	695-10026-1	<i>Platform U.S Street Side (Items 1-10)</i>	
1	709-01880	Rear Guard, Platform .....	1
2	709-01883	Step Weldment.....	1
3	709-01917	Platform Weldment Street Side .....	1
4	789-05845	Bracket, Platform Step .....	1
5	809-00512	Console Handle Weldment.....	1
6	NYL-250C000-25	Nut, HEX NYL - INS 0.25-20,ST Z G5 .....	9
7	S01-250CA75-25	Screw, HHCS 0.25-20X1.75,ST Z GR5 .....	3
8	SHF-250C750-25	Screw,HHCS FT 0.25-20X0.75,ST Z G5.....	4
9	SHF-250C875-25	Screw,HHCS FT 0.25-20X0.875,ST Z G5.....	2
10	WAN-25NX000-20	Washer, FL TYP A-NRW 0.25, ST Z.....	18

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

	<b>PLATFORM U.S. STREET SIDE</b>	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.15	



SEE PAGE 2.17

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



PLATFORM U.S. CURB SIDE

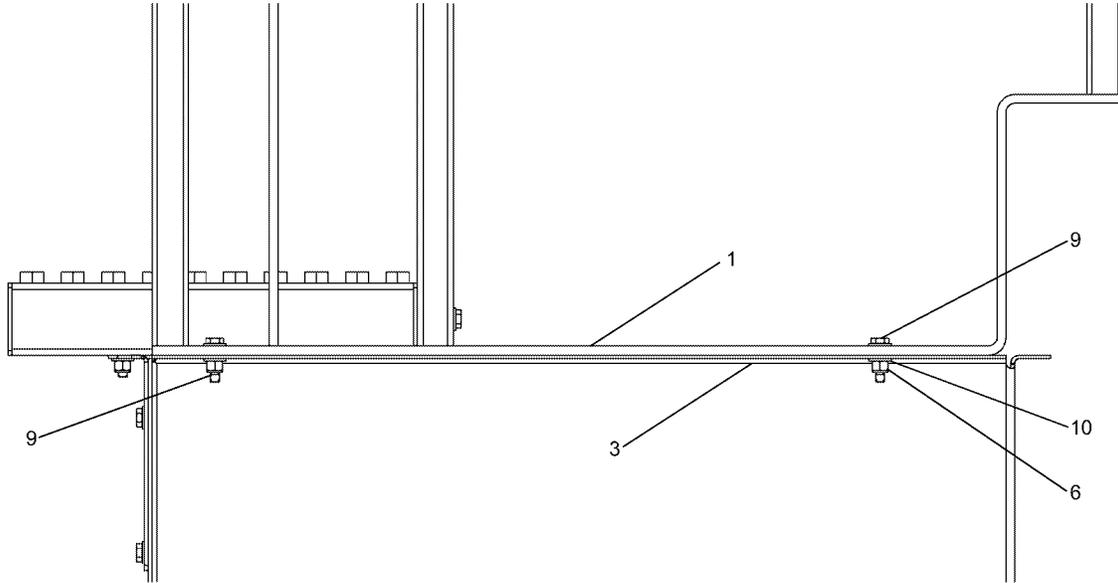
DATE: Revised 07-2009

MODEL: BT3870

PAGE 2.16

GROUP

2



**SEE PAGE 2.16**

<u>REF</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	695-10026-2	<i>Platform U.S Curb Side (Items 1-10)</i>	
1	709-01881	Rear Guard, Platform .....	1
2	709-01883	Step Weldment.....	1
3	709-01916	Platform Weldment Curb Side.....	1
4	789-05846	Step Bracket, Platform .....	1
5	809-00512	Console Handle Weldment.....	1
6	NYL-250C000-25	Nut, HEX NYL - INS 0.25-20,ST Z G5 .....	9
7	S01-250CA75-25	Screw, HHCS 0.25-20X1.75,ST Z GR5 .....	3
8	SHF-250C750-25	Screw,HHCS FT 0.25-20X0.75,ST Z G5.....	4
9	SHF-250C875-25	Screw,HHCS FT 0.25-20X0.875,ST Z G5.....	2
10	WAN-25NX000-20	Washer, FL TYP A-NRW 0.25, ST Z.....	18

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

	<b>PLATFORM U.S. CURB SIDE</b>	DATE: Revised 07-2009	<b>GROUP</b>  <b>2</b>
		MODEL: BT3870	
		PAGE 2.17	



2

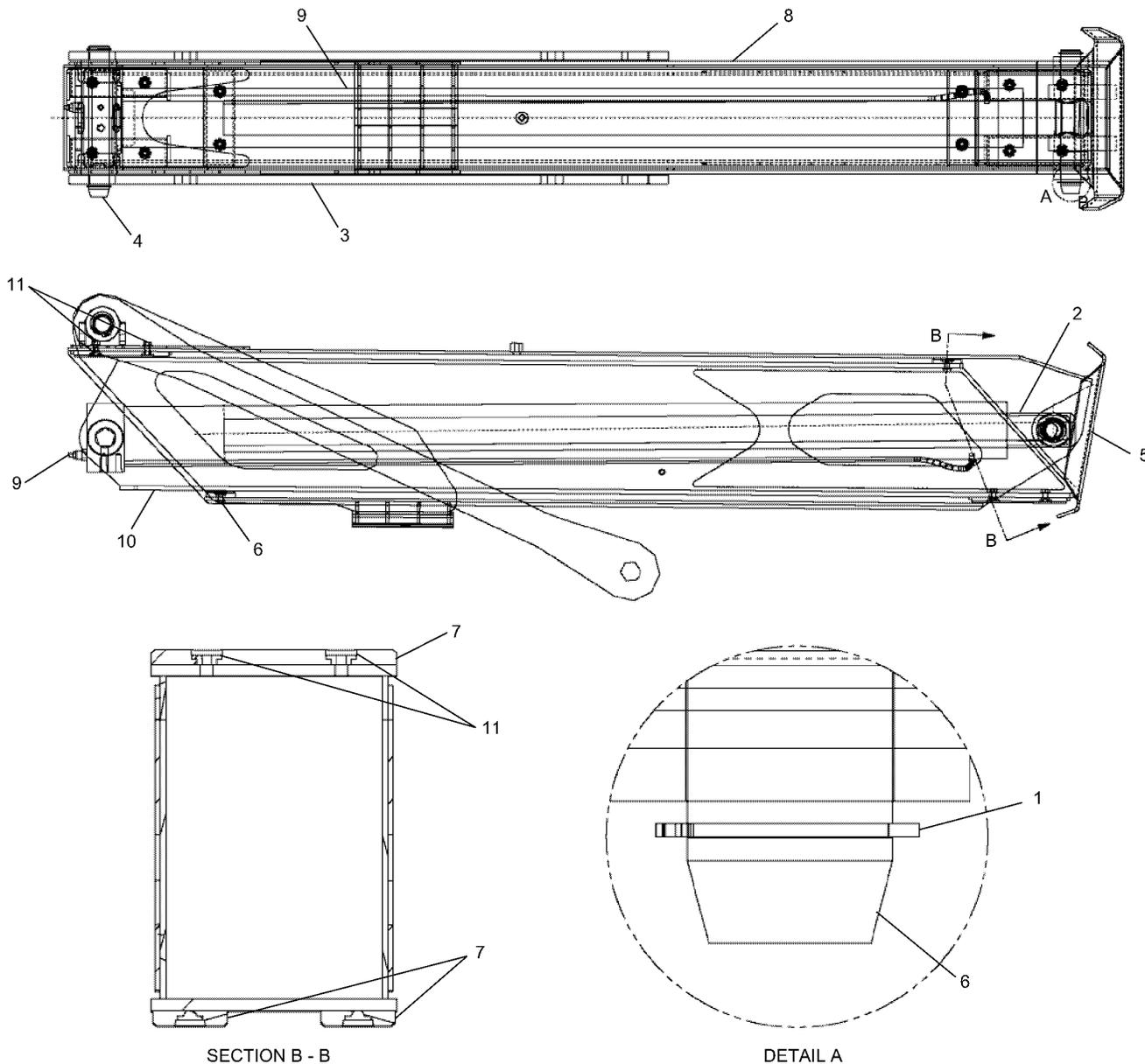
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3

<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 51.5	Front Bumper Outrigger Installation .....	1

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

	<h2>OUTRIGGERS</h2>	DATE: Revised 07-2009	<b>GROUP</b>  <b>3</b>
		MODEL: BT3870	
		PAGE 3.1	



REF	PART NO.	DESCRIPTION	QTY
	760-00445	<i>Leg Assembly, Main Outrigger (Items 1-11)</i>	
1	REX-A75X109-BP	Ring,EXTSNP HVY 1.75X0.109,ST BP .....	4
2	540-50046-ROD	540-50046-Rod .....	1
3	789-05763	Tension Link.....	2
4	870-80021	Pin, Outrigger 1.75 X 12.875.....	1
5	760-20479	Main Outrigger Shoe Weldment.....	1
6	870-80020	Pin, Outrigger 1.75 X 12.20.....	1
7	729-02819	Wear Pad, 8.25 X 2.50 X .050 .....	6
8	760-20478	Outer Leg Weldment.....	1
9	540-50046	Cylinder, Outrigger Leg, Main .....	1
10	760-20477	Inner Leg Weldment.....	1
11	SFS-375C500-27	Screw,HXFLG SER 0.375-16X0.50,G8.2 .....	12

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



## MAIN OUTRIGGER ASSEMBLY

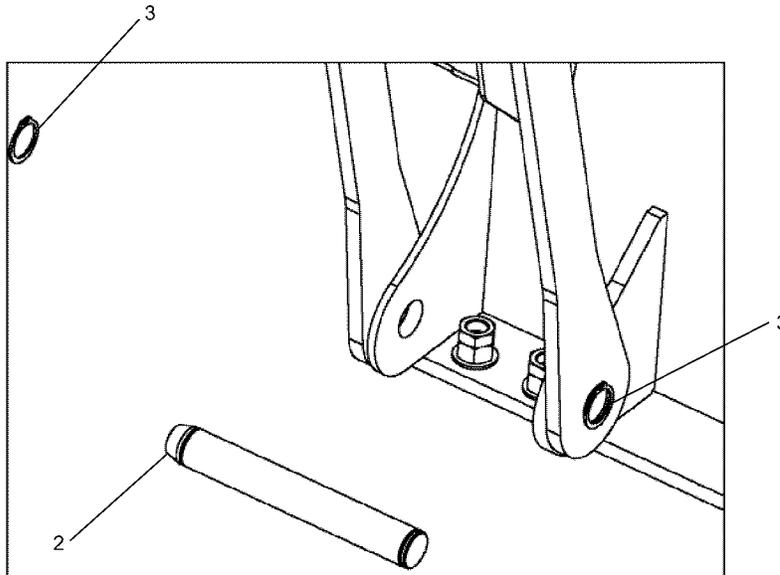
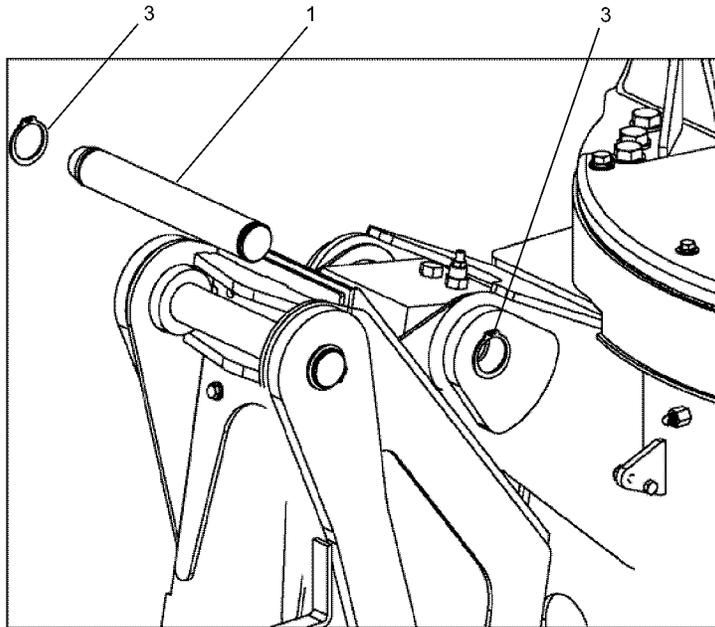
DATE: Revised 07-2009

MODEL: BT3870

PAGE 3.2

GROUP

**3**



REF	PART NO.	DESCRIPTION	QTY
1	870-80020	Pin, Outrigger 1.75 X 12.20 .....	2
2	870-80021	Pin, Outrigger 1.75 X 12.875 .....	2
3	REX-A75X109-BP	Ring,EXTSNP HVY 1.75X0.109,ST BP .....	8

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



**MAIN OUTRIGGER ASSEMBLY**

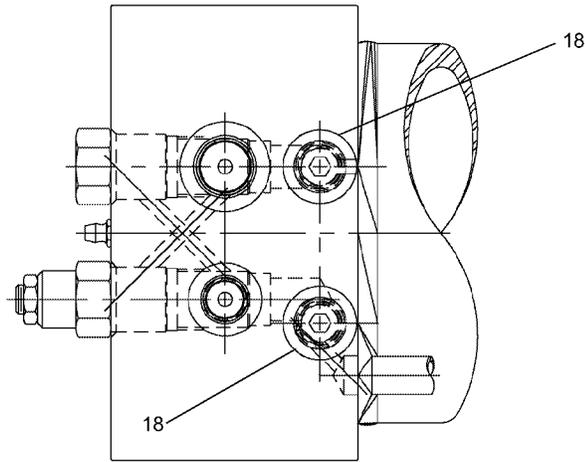
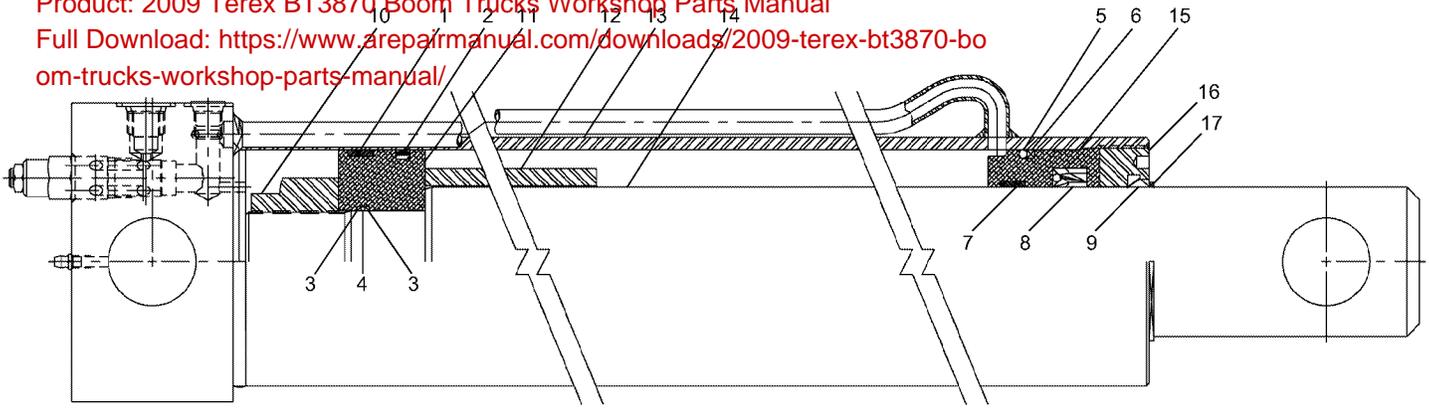
DATE: Revised 07-2009

MODEL: BT3870

PAGE 3.3

GROUP

**3**



REF	PART NO.	DESCRIPTION	QTY
	540-50046	Main Outrigger Cylinder (Items 1-18)	
	268-90179	Seal Kit (Items 1-9)	
1	PART OF 268-90179	Wear Ring.....	1
2	PART OF 268-90179	PSP Seal.....	1
3	PART OF 268-90179	Back-Up Ring.....	2
4	PART OF 268-90179	O-Ring.....	1
5	PART OF 268-90179	O-Ring.....	1
6	PART OF 268-90179	Back-Up Ring.....	1
7	PART OF 268-90179	Wear Ring.....	1
8	PART OF 268-90179	Loaded U-Cup.....	1
9	PART OF 268-90179	Rod Wiper.....	1
10	812-00021	Lock Nut.....	1
11	812-00022	Piston.....	1
12	812-00023	Spacer.....	1
13	812-00060	Barrel Assembly.....	1
14	812-00061	Rod.....	1
15	812-00026	Internal Head.....	1
16	812-00027	Thread Ring.....	1
17	812-00062	Square Ring.....	1
18	812-00014	Steel Plug.....	2

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



**MAIN OUTRIGGER CYLINDER**