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SERVICE BULLETIN

WAINTENANCE OF WAT EQUIPMENT						
DATE:	12-12-2017	BULLETIN NO : 17-012				
TITLE:	Corrective Repair of Premature w	ear of Pivot Assembly				
RATING:	DIRECTIVE (Action Is Required)	ALERT (Potential Problem)				
	INFORMATION (Action Is Optional)	X PRODUCT IMPROVEMENT (Enhance Product)				
PRODUCT SERIES / MODEL: Model 6700 Tamper PD Workheads with rigid style upper pivot pin designs (no square center bonded joint).						
SERIAL NO:	Factory built 6700 PD Workhead machine S/N's 153807 and earlier. All 6700's that were rebuilt from standard vibrating workheads to PD workheads.					
SUMMARY:	The upper pivot assembly has shown premature wear with PD workheads.					
OPERATIONA	OPERATIONAL IMPACT:					
	Improved Workhead performance. Avoid further physical damages to the Workheads / Machine. Proper control and setting of the Workheads operation.					

- 3. Proper control and setting of the Workheads operation.
- 4. Improves the life time of Pivot Assembly and Workheads.
- 5. Improved safety if there is a failure in the pivot assembly.

ACTION:

The rigid style upper pivot pins have been prone to wear over time of use. This service bulletin reworks the machine and the upper pivot ears of the pivot assembly of the workhead to incorporate latest OEM builds. There are both the 25 inch stroke and a 28 inch stroke style workheads that were installed on machines. Overtime components will wear and this service bulletin should be applied to ensure machine functionally.

CONTACT: If you have any questions or if we can be of any service, please contact:

Harsco Rail Service Department

Ludington, MI. Facility

(231) 843-7413

Contact the Parts Department at Harsco Rail to order the parts.

Harsco Rail Parts Department

Ludington, MI 1-800-800-6410

Important: Be able to provide the Machine Model and Serial number when ordering parts.

SAFETY INFORMATION



■ FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE MACHINE FROM ALL ENERGY SOURCES. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

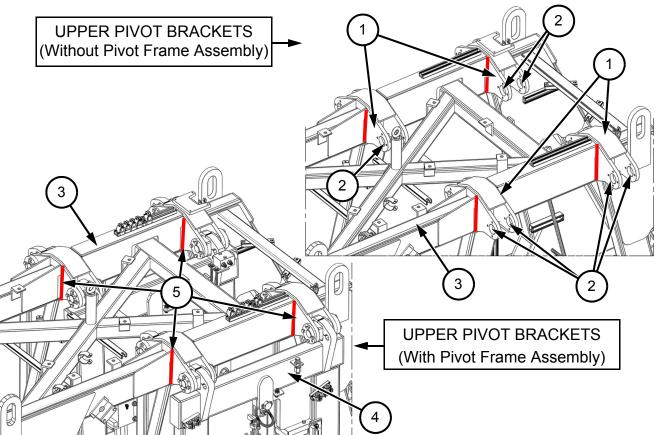
Welding Precautions: Disconnect the Battery Cables, make proper grounding, use 70Ksi filler material and welding should be carried out according to the engineering drawings at the end of this Service bulletin.

- 1. Frame Pivot conversion (P/N 5061246) See Figure 1
 - a. Remove the Pivot frame assembly(4) from the Mainframe (3).
 - b. Inspect the Pivot Pin holes (2) on the Upper Pivot brackets (1).

Note: This conversion is not required if there is no wear in Pivot Pin Holes. If no wear is observed proceed to Step 2.

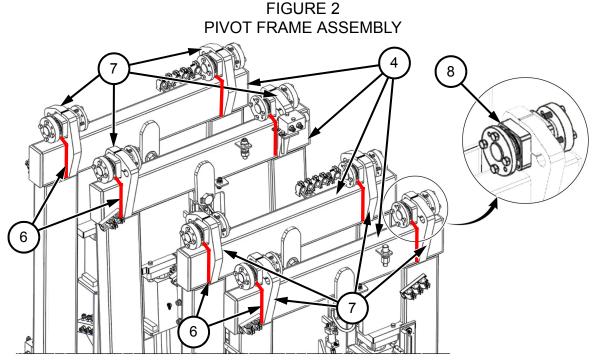
- c. If there is wear observed to the Pivot Pin holes (2), Cut off workhead upper pivot brackets (1) at the weld (5).
- d. Keep surrounding member pieces intact.
- e. Grind the surfaces smooth and remove all burrs.
- f. Replace the Upper Pivot brackets (1) with new brackets by welding them to the Mainframe (3)

FIGURE 1 WORKHEAD UPPER PIVOT BRACKET



2. Upper Pivot Frame conversion (P/N 5061209) - See Figure 1 & 2

- a. Remove Pivot Frame Assembly (4) from the Mainframe (3).
- b. Cut off Pivot brackets (7) from Pivot Frame Assembly (4) at the welds (6).
- c. Keep rectangular tube intact.
- d. Grind the surfaces smooth and remove all burrs.
- e. Replace the Pivot brackets (7) with new brackets by welding them to the Pivot Frame Assembly (4).
- f. Assemble the Pivot Frame Assembly(4) to Mainframe (3) using Square Upper Pin Kits (8).



3. Square Upper Pin Kits (P/N 5061131) - See Figure 2

Square Upper Pin Kit (8) has the pivot pins, associated hardware and square bonded pivot bushings that are required after conversion 1 or 2.

Once conversion 1 or 2 are done on a machine Square Upper Pin Kit (8) can be used to refresh the pins and bushing (around 1 to 5 yearly intervals, depending on insertions/hours).

Parts List

ITEM	PART NO	QTY	DESCRIPTION
1	5061246	1	Conversion, Wkhd Upper Pivot Bracket
2	5061209	4	Conversion, Pivot Frame
3	5061131	4	Kit, Upper Workhead Pin

Note: The above quantities are for one machine

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Notes:		
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306 West 4th Street Fairmont, MN 56031-1837

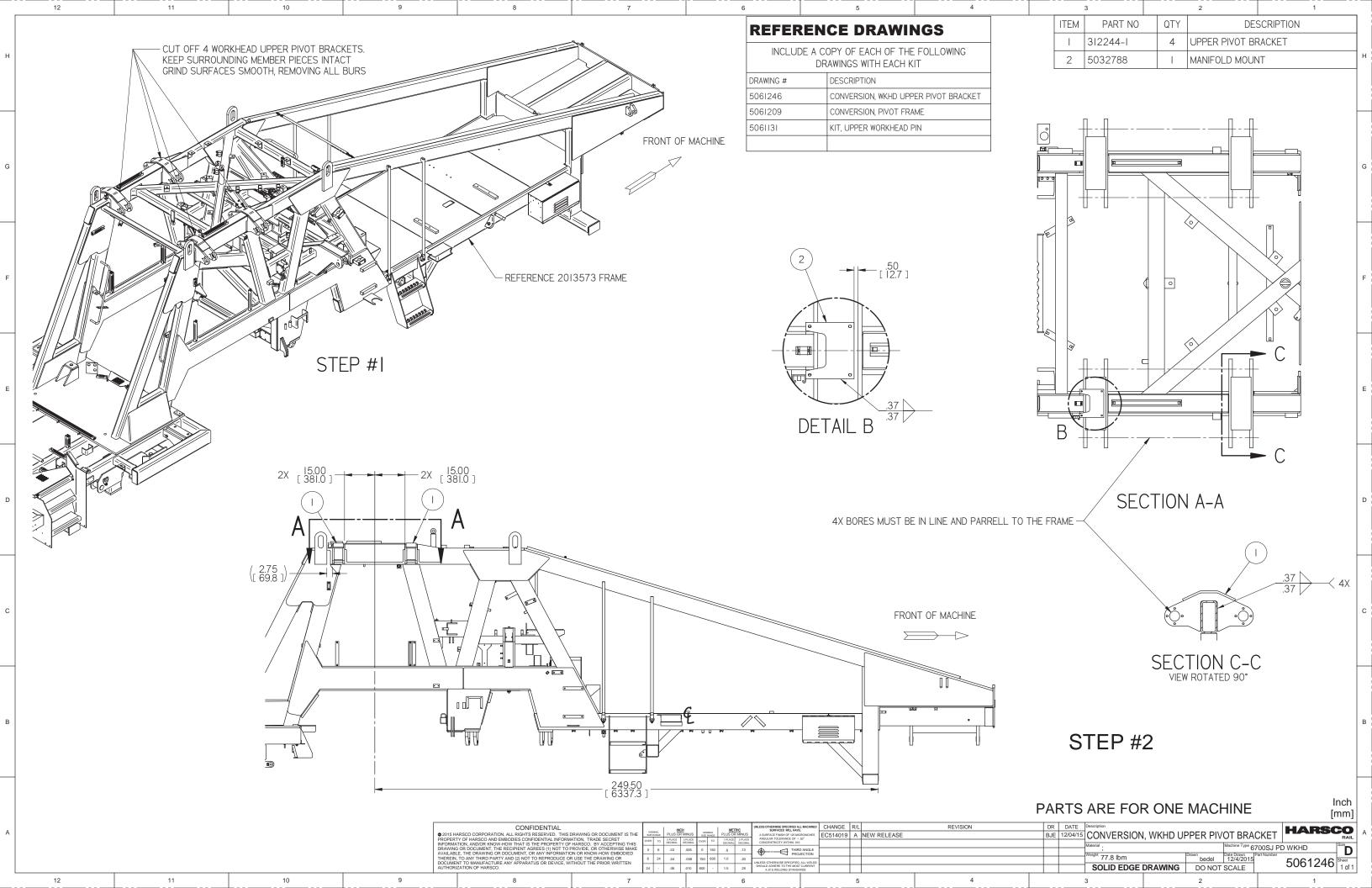
Tel: (507) 235-7376 Fax: (507) 235-7372 2401 Edmund Road, Box 20 Cayce-West Columbia, SC 29171-0020 Tel: (803) 822-9160

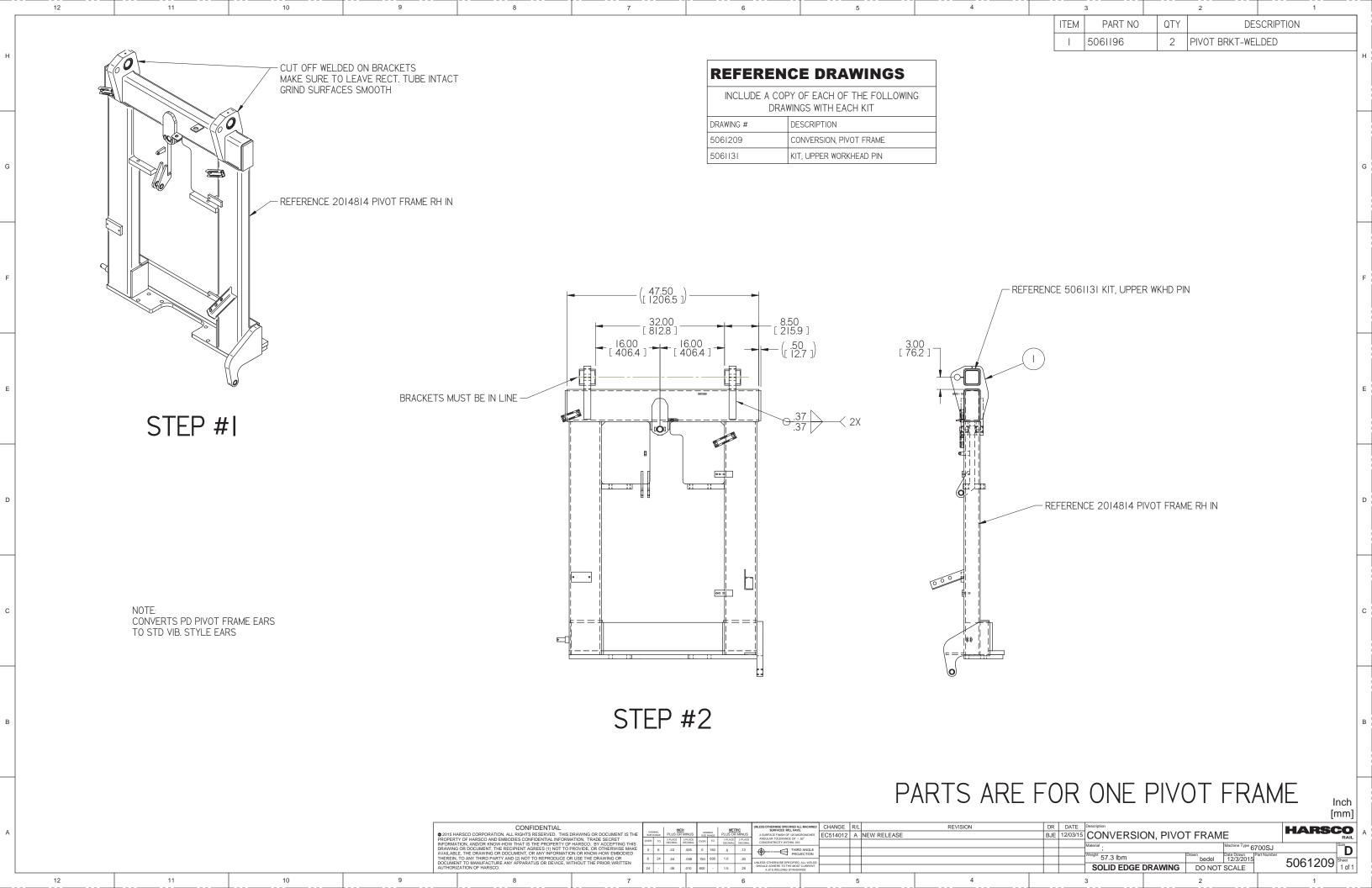
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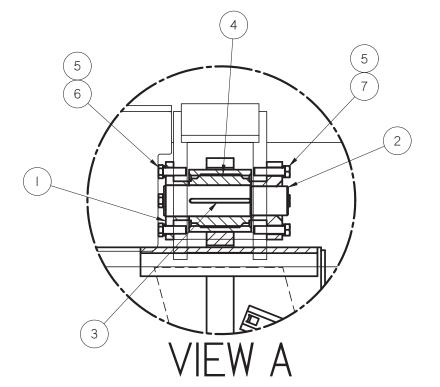
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200 South Jackson Road Ludington, MI 49431 Tel: (231) 843-3431

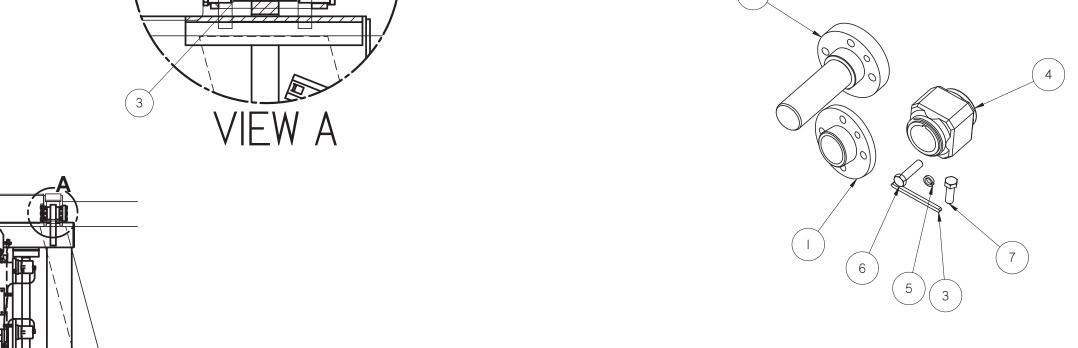
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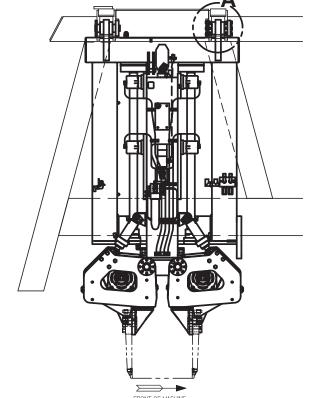






ITEM	PART NO	QTY	DESCRIPTION	
1	2005566	2	END PLATE-W.H. PIVOT	
2	2005567	2	PIN WELDMENT-W.H. PIVOT	<u> </u>
3	116716-1	2	KEY	
4	116735-1	2	SQ.CTR.BONDED JOINT	
5	150988-13	16	WASHER, LOCK, 1/2", HIGH COLLAR	
6	252272-254	8	SCREW-HHC, GRADE 8, .50-20 X 2	
7	157037-1	8	DC-HHD CAP SCRI/2-20XI-I/2GR8	
				1





REFERENCE DRAWINGS					
INCLUDE A COR	INCLUDE A COPY OF EACH OF THE FOLLOWING DRAWINGS WITH EACH KIT				
DRAWING #	DESCRIPTION				
5061131	KIT, UPPER WORKHEAD PIN				

REVISION

PARTS FOR ONE WORKHEAD

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ı	CONFIDENTIAL	
ı	© 2015 HARSCO CORPORATION, ALL RIGHTS RESERVED. THIS DRAWING OR DOCUMENT IS THE	NO SIZE
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THE		MINAL RANGE	INCH PLUS OR MINUS		NOMINAL SIZE RANGE		METRIC PLUS OR MINUS	
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$\neg \neg$								

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CE (AL	CONCENTRICITY WITHIN .010			Γ
	THIRD ANGLE PROJECTION			l
	UNLESS OTHERWISE SPECIFIED, ALL WELDS			
	SHOULD ADHERE TO THE MOST CURRENT A.W.S WELDING STANDARDS			

SURFACES WILL HAVE:	
A SURFACE FINISH OF 125 MICROINCHES	EC51
ANGULAR TOLERANCE OF ± .50* CONCENTRICITY WITHIN .010	
THIRD ANGLE PROJECTION	
ESS OTHERWISE SPECIFIED, ALL WELDS	
OULD ADHERE TO THE MOST CURRENT A.W.S WELDING STANDARDS	

SURFACES WILL HAVE:		,	
	EC513997	Α	NEW RELEASE
ENTRICITY WITHIN .010			
THIRD ANGLE PROJECTION			
THERWISE SPECIFIED, ALL WELDS			
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UN	JN		
VELDS			

| Machine Type 6700 SJ PD | Machine Type 6700 SJ PD | Date Drawn | Part Number 12/1/2015 | SOLID EDGE DRAWING | DO NOT SCALE | Date Drawn | Part Number 12/1/2015 | SOLID EDGE DRAWING | DO NOT SCALE | Date Drawn | Part Number 12/1/2015 | DO NOT SCALE | DO NOT SCALE | Date Drawn | Part Number 12/1/2015 | DO NOT SCALE | DO 3

DR DATE Description
BJE 12/01/15 KIT, UPPER WORKHEAD PIN

5061131 Sheet 1 of 1

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