

PARTS & SERVICE NEWS

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(C)

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This **Parts & Service News** supercedes A960022 dated April 17, 1996 and should be discarded

SUBJECT: REPAIR OF BELLCRANK FOR HIGH LIFT BOOM

PURPOSE: To introduce modification procedures to prevent occurrence of interruption between the high lift boom and bell crank on high lift boom specifications on wheel loaders

APPLICATION: 568 Wheel Loader, S/N 007001 and up
 WA600-1 Wheel Loader, S/N 11208 through 11212 and A1000-1 and up
 WA600-1L Wheel Loader, S/N A1014 and up
 WA600-1LC Wheel Loader, S/N A50001 and up
 WA600-1LE Wheel Loader, S/N A51101 through A51040

FAILURE CODE: 7720HA

DESCRIPTION:

With high lift boom specification, interference may occur between the bell-crank and the boom connector when the bucket is tilted back to its stroke end, causing cracks in the bell crank structure. It is therefore necessary to execute a modification to prevent occurrence of this trouble following the procedures outlined in this **Parts & Service News**.

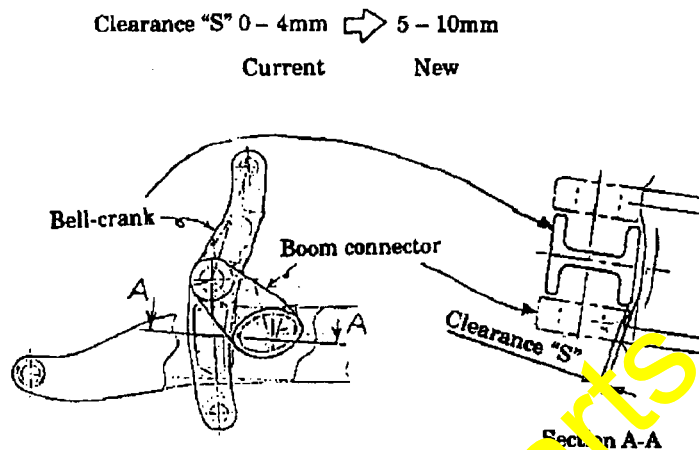
List of Parts:

Part No..	Part Name	Qty	Purpose of Part	Remarks
426-850-1104 (426-850-1103)	Boom Assy (Boom Assy)	1 (1)	Replacement	The boom assemblies for the production are being modified

3. Contents of the modification

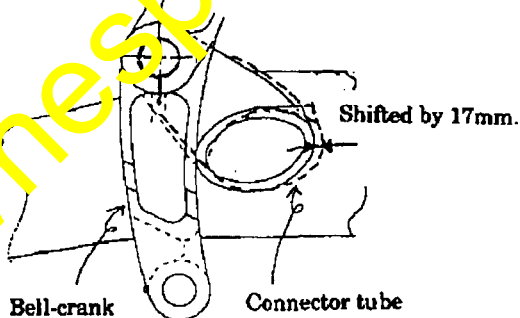
3-1. Already shipped vehicles

An additional plate is being added to the bucket tilt stopper to prevent occurrence of the interference between the bell-crank and boom connector.



3-2. Vehicles manufactured from now on

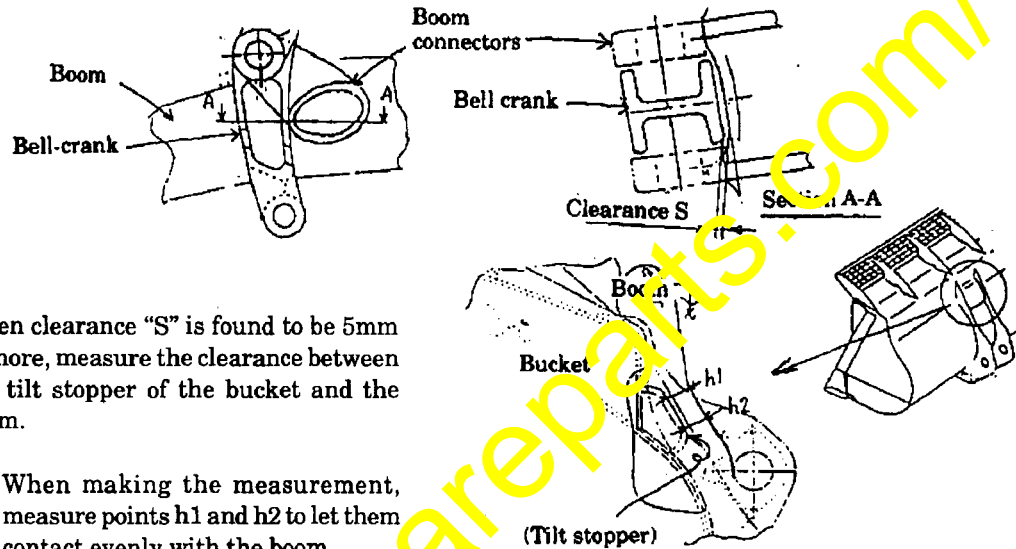
To prevent occurrences of interference between the bell-crank and boom connector, the location of the connector tube is being shifted toward the rear of the vehicle by 17mm.



[Note]: If clearance "S" between the boom connector and the bell-crank remains 5mm or more when the bucket is tilted back to its stroke end, this modification is not necessary.

4. Modification procedures

- 4-1. Land the bucket, tilt back the bucket as shown at right before adjusting the bucket control lever so that clearance "S" between the boom connector and the bell-crank becomes 5mm or more.



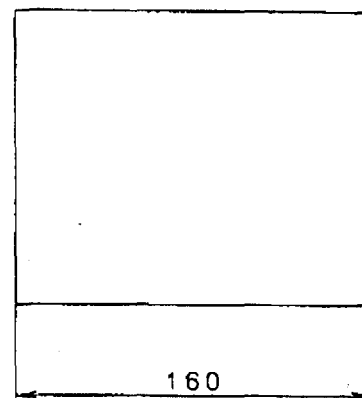
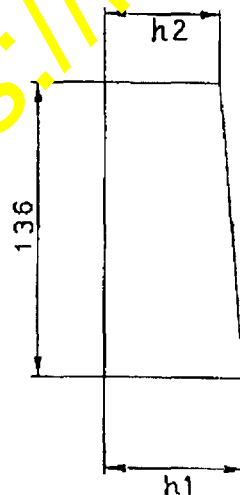
- 4-2. When clearance "S" is found to be 5mm or more, measure the clearance between the tilt stopper of the bucket and the boom.

★ When making the measurement, measure points h1 and h2 to let them contact evenly with the boom.

- 4-3. Make a plate according to the following drawing, observing the measurement values of points h1 and h2.

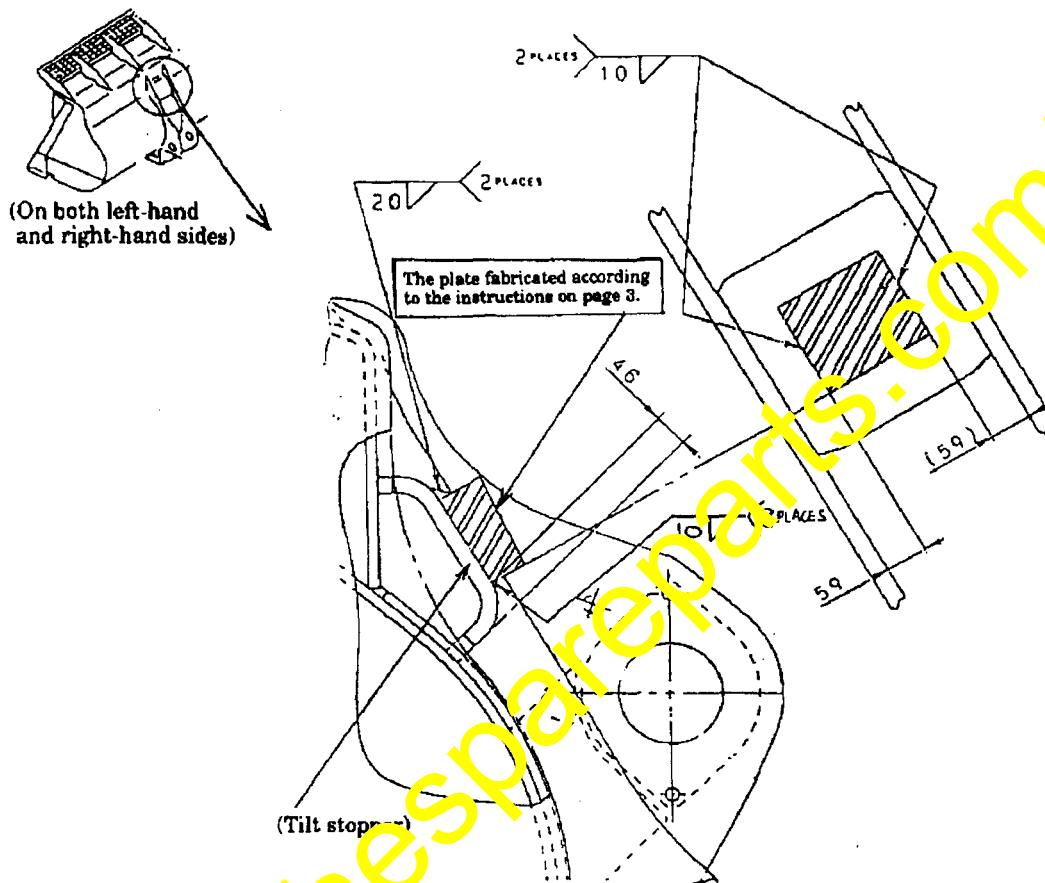
Material: SS400P

Q'ty: 2 pcs/vehicle



- 4-4. Weld the plate constructed according to the aforementioned instructions to the designated position following the instruction given below.

<Note> Perform tack welding to check if the clearance "S" between the boom connector and the bell-crank is 5mm or more before executing final welding.



5. Serial No. of vehicles applicable to this modification

NO	China	Shipped year and month	Remarks
1	#11208	93/3	With bucket
2	#11209	93/3	With bucket
3	#11210	93/3	With bucket
4	#11211	93/3	With bucket
5	#11212	93/3	With bucket

NO	Germany	Shipped year and month	Purchase Order No.
1	Independently shipped vehicle	95/2	WC4H6490
2	Independently shipped vehicle	95/3	WC5A0620
3	Independently shipped vehicle	95/3	WC5A1940
4	Independently shipped vehicle	95/8	WC5C6290

NO	Belgium	Shipped year and month	Purchase Order No.
1	Independently shipped vehicle	93/7	WC3C4790
2	Independently shipped vehicle	93/8	WC3C4800
3	Independently shipped vehicle	94/11	WC3F3810
4	Independently shipped vehicle	95/9	WC5C8130
5	#11417	95/12	Bucket-less

NO	Australia	Shipped year and month	Remarks
1	#11424	96/1	Bucket-less

Total 15 vehicles