

# PARTS & SERVICE NEWS

REF NO.	AA99003
DATE	Dec. 28, 1998
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**SUBJECT:** RE-WORK BUCKET PIN RETAINER ON WA600-3

**PURPOSE:** To introduce modification procedures to prevent occurrence of breakage or loosening of the bucket pin retainer mounting bolts on WA600-3 wheel loaders.

**APPLICATION:** WA600-3 Wheel Loaders, Serial Nos. 50001 thru 50007, 50011 thru 50021, 50023 thru 50024 and 50025 thru 50041 ( except 50003) and A52009 and up

**FAILURE CODE:** 774H38

**DESCRIPTION:**

1. Introduction

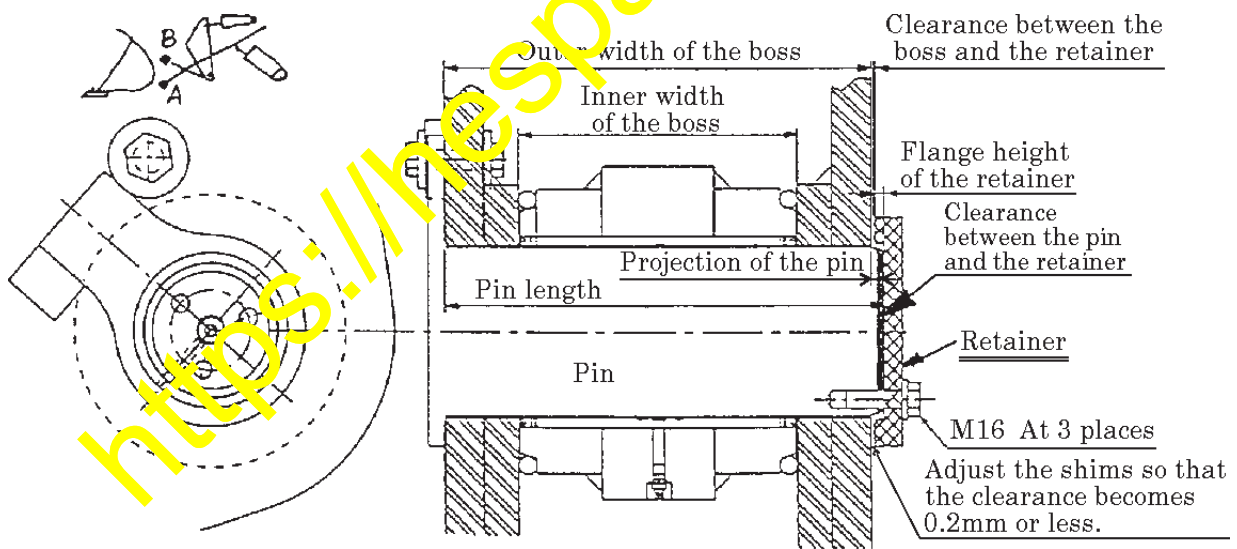
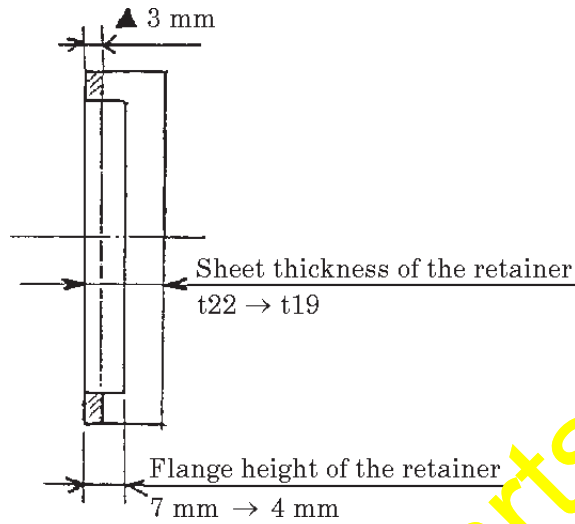
With the WA600-3 wheel loaders, the bucket pin retainer mounting bolts may break or may become loose. To prevent occurrence of these failures, make the modification introduced in this Service News.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
426-70-11261 (426-70-11260)	Retainer (Retainer)	} Replacement	2 (2)	When replacing the current retainer with the new retainer, it becomes necessary to add 6 shims 426-70-11280.
426-70-11270	Shim		4	t 0.2
426-70-11280	Shim		16	t 0.5
426-70-11391 (426-70-11390)	Retainer (Retainer)		1 (1)	When replacing the current retainer with the new retainer, it becomes necessary to add 6 shims 426-70-11470.
426-70-11460	Shim		2	t 0.2
426-70-11470	Shim		8	t 0.5
01010-81645	Bolt		9	
01643-31645	Washer		9	

3. Contents of the modification

The flange height of the retainer fitting to sections "A" and "B" of the bucket pin has been lessened by 3mm.



Structure of the pin mounting section

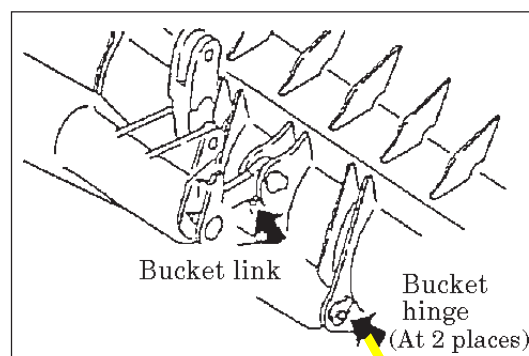
## 4. Replacement procedures for the retainer

**CAUTION:**

Park the vehicle on a level surface, set the safety bar to the frame, land the bucket, stop the engine, pull up the parking brake and insert tire blocks.

**Replacing parts:**

Replace the retainer for the bucket hinge pin and the retainer for the bucket ring pin as illustrated at right.

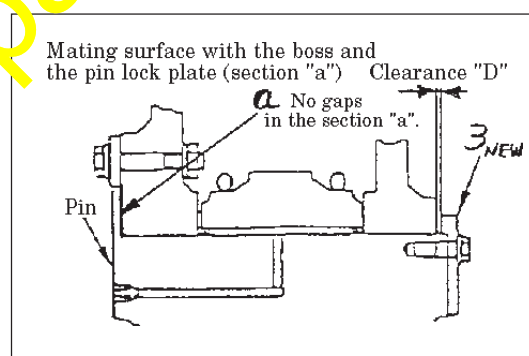
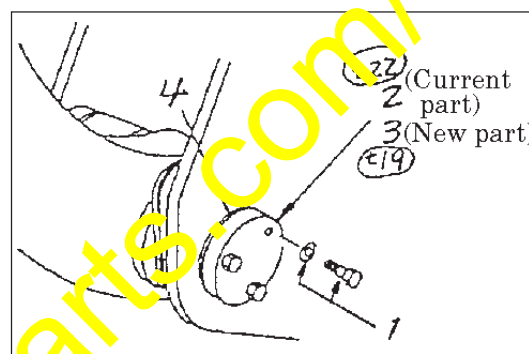


## 1) Replacing the retainer of the bucket hinge pin (at 2 places)

- (1) Loosen the retainer mounting bolts [1] (M16) to remove the retainer [2].
- (2) Temporarily install the new retainer [3] and measure the clearance "D" occurring between the side surface of the retainer and the bucket hinge boss.

When doing this, check if any gaps (caused by biting of mud or some other foreign substance) are occurring between the pin lock plate and the boss (section "a").

- (3) Determine the shim [4] quantity so that the clearance "D" between the end face of the retainer and the hinge plate becomes 0.2 mm or less.
- (4) Remove the new retainer once to insert the determined quantity of shims in the gap "D" and tighten the mounting bolts.



## Using parts

#	Part numbers	Part names	Quantity/vehicle	Remarks
1	01010-81645 01643-31645	Bolt Washer	6 6	
2	426-70-11260	Retainer Old	2	Dispose of the old retainers when the replacement work is finished.
3	426-70-11261	Retainer New	2	
4	426-70-11270 426-70-11280	Shim t = 0.2 mm Shim t = 0.5 mm	4 16	

## 2) Replacing the retainer of the bucket link pin (at 1 place)

- (1) Replace the retainer following the same procedures according to the above Section 1.

## Using parts

#	Part numbers	Part names	Quantity/vehicle	Remarks
1	01010-81645 01643-31645	Bolt Washer	3 3	
2	426-70-11390	Retainer Old	1	Dispose of the old retainers when the replacement work is finished.
3	426-70-11391	Retainer New	1	
4	426-70-11460 426-70-11470	Shim t = 0.2 mm Shim t = 0.5 mm	2 8	