

**PARTS & SERVICE
NEWS**

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(C)

Page 1 of 3

SUBJECT: MODIFICATION PROCEDURE TO IMPROVE INJECTOR ROCKER ARM FOR SA(A)6D170E-3 ENGINES

PURPOSE: To introduce modification procedure to improve the rocker arm for the injector for the SA(A)6D170E-3 engines

APPLICATION: SA(A)6D170E-3, Refer to page 3

FAILURE CODE: A4POFF

DESCRIPTION:

1. Introduction

On the SA(A)6D170E-3 engines, when the rocker arms for the injectors or the adjust screws are broken off, repair the failure following the modification procedure described in this Service News.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
6240-41-5021 (6240-41-5020)	Arm ass'y (Arm ass'y)	Replacement	1 (1)	Rocker arm + Adjust screw

3. Details of the modification

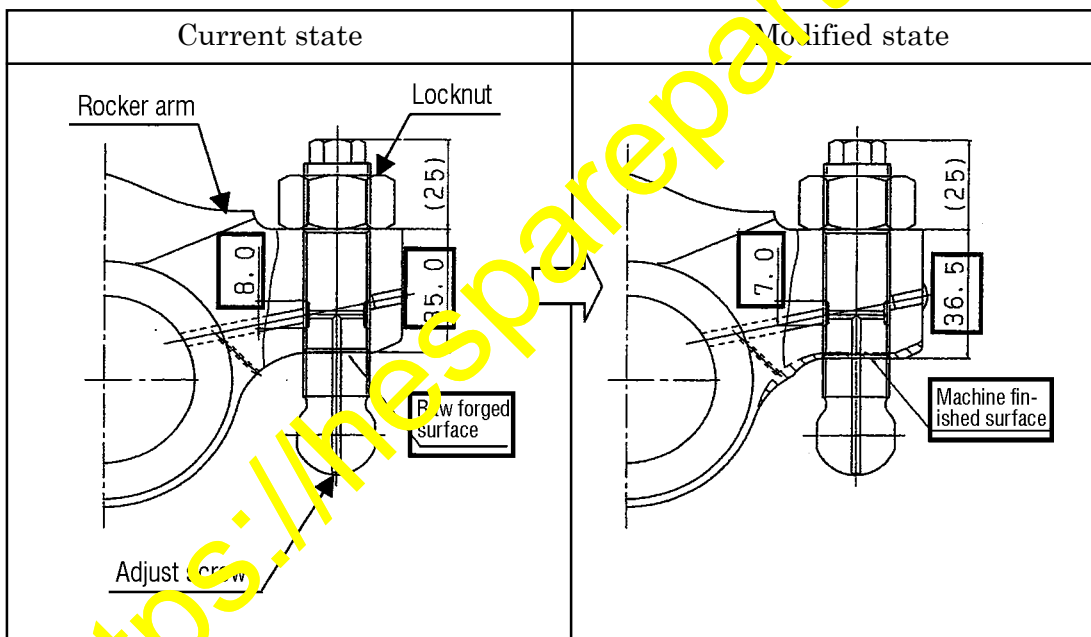
To improve the margin against breakages of the rocker arm for the injector and of the adjust screw, the shapes of the rocker arm and the adjust screw have been modified.

<Details of the modification>

- (1) Thickness of the rocker arm at the adjust screw mounting section:
35 mm → 36.5 mm
- (2) Lower surface of the rocker arm at the adjust screw mounting section:
Raw forged surface → Machine finishing
- (3) Adjust screw oil groove width: 8 mm → 7 mm

<Identification method>

- (1) Rocker arm:
Identify the modified part by the machine finished lower surface of the adjust screw mounting section.



4. Modification procedure

- (1) Pull out the rocker arm following the instructions given in the Shop Manual.
- (2) Replace the rocker arm ass'y with the improved one.
 - * To assure the improvement effect, replace in the state of the rocker arm ass'y (6240-41-5021).
- (3) Replace the consumable parts, like gaskets, etc., with new parts.
- (4) Check that the related parts are not damaged and if any of them are damaged, replace them at the same time.
 - (Cam follower ass'y, push rod, injector, head cover, etc.)
- (5) Carry out the reinstallation work referring to the Shop Manual for the engine.

Check table for the serial numbers of the machines of the main machine models effected

No.	Applicable machine model	Serial No. of the engine		Serial No. of the machine	
		Engines in the field	Engines shipped with the modification completed	Machines in the field	Machines shipped with the modification completed
1	WA600-3E	~ #311382	#311383 ~	~ #52107	#52108 ~
2	WA600-3E	~ #311382	#311383 ~	~ #53047	#53048 ~
3	WA600-3E	~ #311382	#311383 ~	~ #54009	#54010 ~
4	WA600-AC-3	~ #311382	#311383 ~	-	-
5	WD600-3	~ #311306	#311380 ~	~ #50010	#50011 ~
6	WA700-3	~ #311251	From the next shipment	~ #51020	#51021 ~
7	HD465-7	~ #311361	#311362 ~	~ #7224	#7225 ~
8	HD605-7	~ #311361	#311362 ~	#7104	#7105 ~
9	D375A-5	~ #311347	#311348 ~	~ #18227	#18228 ~
10	PC1250-7	~ #311357	#311358 ~	~ #20143	#20144 ~
11	A6D170E-G1-3	~ #311354	#311355 ~		
12	A6D170E-KC	~ #311257	From the next shipment		
13	170CUM-PG3	~ #311363	#311364 ~		
14	170CUM-IND	~ #311363	From the next shipment		