

**PARTS & SERVICE  
NEWS**

REF NO.	<b>AT03085</b>
DATE	<b>May 13, 2003</b>

**SUBJECT:** IMPROVEMENT OF ENGINE CRANK GEAR ON SA (A) 6D170E-3

**PURPOSE:** To improve the engine crank gear on SA (A) 6D170E-3

**APPLICATION:** Refer to page 3.

**FAILURE CODE:** A310FF

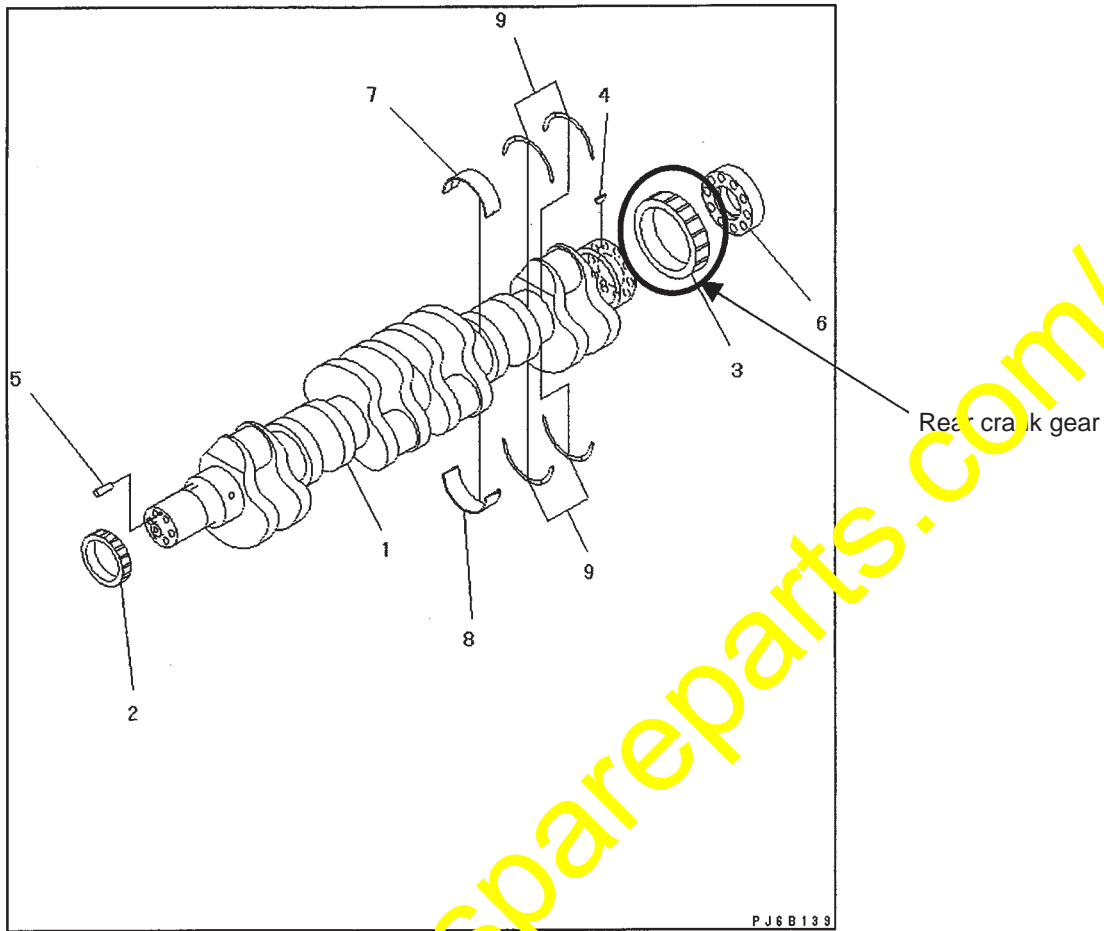
**DESCRIPTION:****1. Introduction**

When the crank gear on the 170E-3 group engines is damaged, use the crank shaft, on which the improved gear is installed, according to this service news. Further, reassemble it according to Shop Manual.

**2. List of parts**

Part No.	Part Name	Purpose of part	Q'ty	Remarks
6240-31-1101 (6240-31-1100)	Crank Shaft Ass'y (Crank Shaft Ass'y)	Replacement	1 (1)	
6240-31-1301 (6240-31-1300)	Crank Shaft Ass'y (Crank Shaft Ass'y)	Replacement	1 (1)	6240-31-1101 is supplied as the spare ass'y.

### 3. Detail



By adding the treatment of hard hot peening, the strength of the crank gear, which drive the cam shaft, at the rear side of the engine, is improved.

\* As for the crank shaft ass'y of this engine, depending on the heat treatment of crank shaft, two kinds are indicated in the list of part. If any of part numbers is ordered, only the strengthened 6240-31-1101 is supplied.

#### 4. Confirmation table of serial No. to be implemented

From first serial No. for all models

No.	Applicable model	Applicable engine serial No.		Applicable machine serial No. (Reference)	
		Engines already shipped	Engines shipped from plant Already modified	Machines already shipped	Machines shipped from plant Already modified
1	D375A-5	- #310760	#310772 -		#18159 -
2	PC1250-7/LC-7	- #310763	#310777 -		#20069 -
3	WA600-3 (except Japan)	- #310745	#310775 -		#52079 -
4	WA600-3 (EU)	- #310745	#310775 -		#53029 -
5	WA600-3 (Japan)	- #310745	#310775 -		#54005 -
6	WD600-3	- #310732	Next time	#50001 - #50002	#50003 -
7	WA700-3 (except Japan)	- #310689	#310787 -		#51009 -
8	WA700-3 (Japan)	- #310689	#310787 -		#54005 -
9	HD465-7	- #310764	#310771 -		#7109 -
10	HD605-7	- #310764	#310778 -		#7059 -
11	WA600-AC-3	- #310648	Next time	—	—
12	A6D170E-G1-3				
13	A6D170E-KC				
14	170CUM-PG3				
15	170CUM-IND				
16					
17					
18					
19					
20					

\* The applicable machine serial No. is only used for the reference.

Please confirm the applicable machine serial No. by the applicable engine serial No.