

**PARTS & SERVICE
NEWS**

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(C)

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SUBJECT: REPAIR OF OIL SEAL FOR ALTERNATOR FPTO DRIVE ON 6D170 ENGINE

PURPOSE: To introduce modification procedures to repair oil leakage occurring through the oil seal in alternator drive and in FPTO drive of 6D170 engines

APPLICATION: Refer to Pages 2 and 3.

FAILURE CODE: A26210

DESCRIPTION:

1. Introduction

With the alternator drive and the FPTO drive (for use to drive the cabin cooler compressor, etc.) of the 6D170 engines, the oil seal lips may be damaged due to entry of dust during operation resulting in oil leakage. When this failure occurs, make modifications according to this Service News.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
Alternator drive				
6162-63-1683 (6162-63-1682)	Oil seal (Oil seal)	Replacement	1 (1)	} Consumable parts
07000-62095	O-ring		1	
07000-61009	O-ring		1	
FPTO drive				
6162-23-3583 (6162-23-3582)	Oil seal (Oil seal)	Replacement	1 (1)	} Consumable parts
07000-62110	O-ring		1	
07000-61009	O-ring		1	

3. List of applicable engine and machine models (1/2)

Oil seal for the alternator drive (6162-63-1682 to 6162-63-1683)

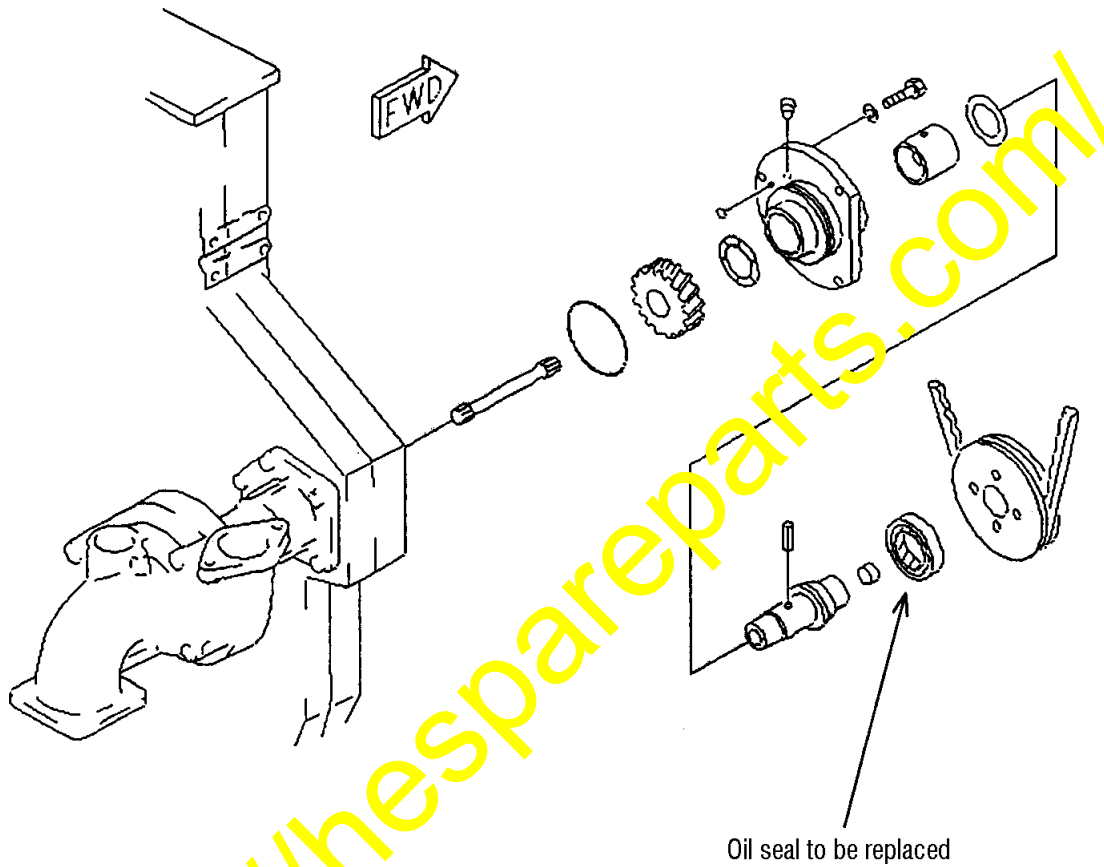
No.	Models	Applicable serial numbers of engines & chassis			
		Already shipped		To be shipped from factory	
		Engine	Chassis	Engine	Chassis
1	A6D170E-WJK-2	- #18606	—	Next production	—
2	A6D170E-W2-2	- #20129	—	Next production	—
3	D275A-2	- #20709	- #10351	#20710 -	#10352 -
4	D375A-1	- #20343	- #15652	Next production	Next production
5	D375A-2	- #20460	- #16660	Next production	Next production
6	D375A-3	- #20651	- #17635	#20652 -	#17636 -
7	HD465-3	- #20852	- #2440	#20853 -	Next production
8	HD465-3C	- #17267	- #2440	Next production	Next production
9	HD465-5	- #20657	- #4827	#20658 -	#4828 -
10	PC1000-1	- #20645	- #10461	#20646 -	Next production
11	PC1100-6	- #20673	- #10173	#20674 -	#10174 -
12	PC1100-HA-6	- #20676	—	#20677 -	—
13	WA600-3	- #20674	- #50235	#20675 -	#50236 -
14	WA700-1	- #20680	- #10039	#20681 -	Next production
15	WA700-3	- #20672	- #50029	#20673 -	#50030 -
16	WA700-AP-1	- #20277	—	Next production	—
17	WA700-AP-3	- #20875	—	#20876 -	—
18	BR1600JG-1	- #18953	- #10001	Next production	#10002 -
19	D155A-1B	—	—	No production	—
20	D355A-3B	—	—	No production	—
21	SA6D170-C2-1	- #17636	—	Next production	—
22	SA6D170-W1-1	- #17638	—	Next production	—
23	SA6D170-B-C2-1	- #17635	—	Next production	—
24	BE-D155A-1	CKD	—		
25	BE-D355A-3	CKD	—		
26	BE-PC1000-1	CKD	—		
27	BE-B60-1	CKD	—		

3. List of applicable engine and machine models (2/2)
Oil seal for the FPTO drive (6162-23-3582 to 6162-23-3583)

No.	Models	Applicable serial numbers of engines & chassis			
		Already shipped		To be shipped from factory	
		Engine	Chassis	Engine	Chassis
1	A6D170E-WJK-2	- #18606	—	Next production	—
2	A6D170E-W2-2	- #20129	—	Next production	—
3	D275A-2	- #20902	- #10381	Next production	#10382 -
4	D375A-1	- #20343	- #15652	Next production	Next production
5	D375A-2	- #20460	- #16660	Next production	Next production
6	D375A-3	- #20884	- #17664	#20885 -	#17665 -
7	HD465-3	- #20853	- #2440	Next production	Next production
8	HD465-3C	- #17267	- #2440	Next production	Next production
9	HD465-5	- #20871	- #4849	#20903 -	#4850 -
10	PC1000-1	- #20842	- #10461	Next production	Next production
11	PC1100-6	- #20862	- #10187	#20893 -	#10188 -
12	PC1100-HA-6	- #20852	—	Next production	—
13	WA600-1	- #20317	- #11596	Next production	Next production
14	WA600-3	- #20894	- #50067	#20905 -	#50268 -
15	WD600-1	- #20630	- #10151	Next production	#10152 -
16	WA700-1	- #20681	- #10139	Next production	Next production
17	WA700-3	- #20846	- #50035	#20891 -	#50036 -
18	WA700-AP-1	- #20877	—	Next production	
19	WA700-AP-3	- #20876	—	Next production	
20	BR1600JG-1	- #18953	—	Next production	
21	SA6D170-C2-1	- #17636	—	Next production	
22	SA6D170-W1-1	- #17638	—	Next production	
23	SA6D170E-C2-1	- #17635	—	Next production	
24	SA6D170A-P-1	- #20817	—	Next production	
25	SA6D170B-P-1	- #18077	—	Next production	
26	BE-PC1000-1	CKD	—		
27	BE-B60-1	CKD	—		

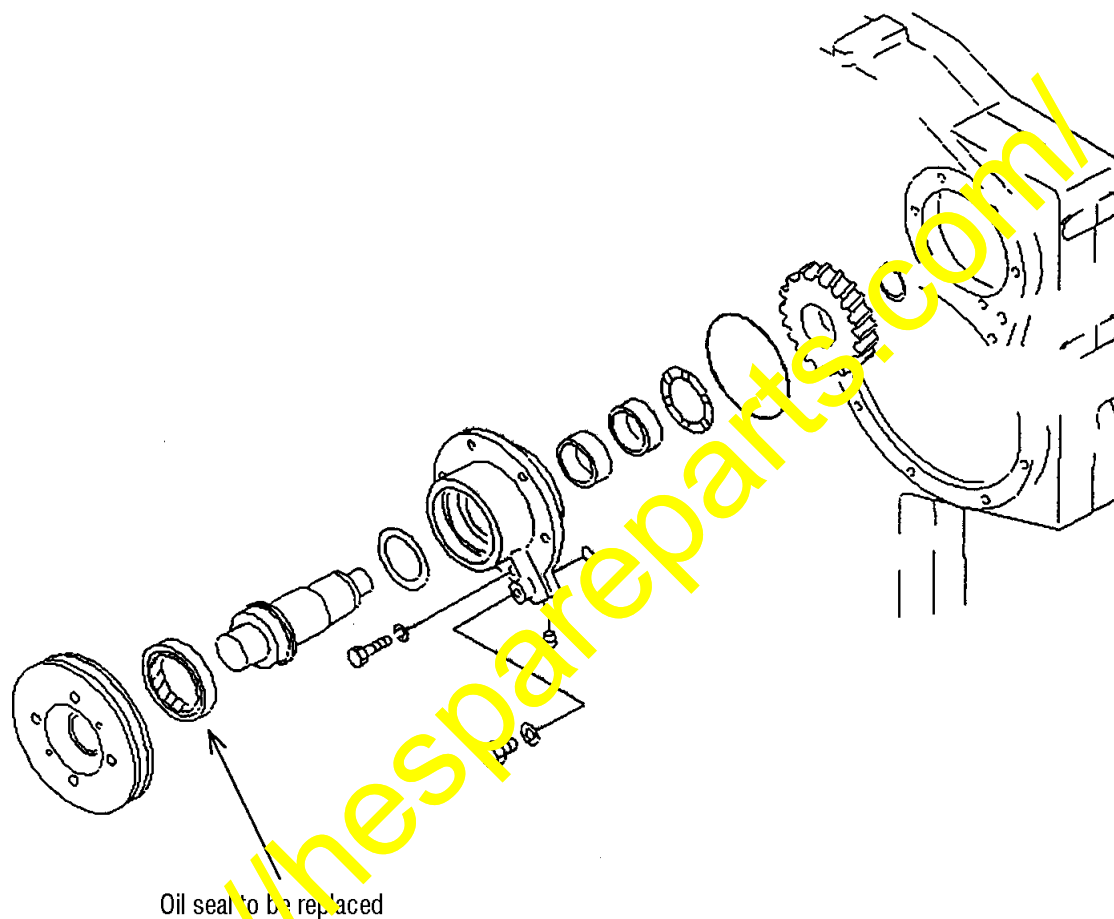
4. Contents of the modification

- 1) Oil seal for the alternator drive



Part number	Conventional part		Modified part
	6162-63-1681	6162-63-1682	6162-63-1683
Structure	Oil seal lip + Single dust lip	Oil seal lip + Double dust lip	←
Material	Silicon	←	Fluorine
Modified time	—	The year 1998	This time

4. Contents of the modification
 - 2) Oil seal for the FPTO drive



	Conventional part		Modified part
Part number	6162-23-3581	6162-23-3582	6162-23-3583
Structure	Oil seal lip + Single dust lip	Oil seal lip + Double dust lip	←
Material	Silicon	←	Fluorine
Modified time	—	The year 1995	This time

5. Modification procedures

Precaution on replacing the oil seal

- 1) Since pulley ④ is pressed fitted onto shaft ③, be careful not to damage the shaft or the hole in the pulley and not to make aslant press fitting when removing and re-installing the pulley.
- 2) Fill grease (G2-L1 or equivalent) into the space between seal lips before assembling the oil seal.
- 3) Insert oil seal ① until it hits drive housing ②. At this time, be careful not to push the oil seal too strongly to prevent distorting it.
- 4) Measure the distance between the end faces of pulley ④ and drive housing ② when making modifications to the oil seal for the alternator drive. If the distance is less than 3 mm, replace the drive housing assembly.
(For details, refer to Service News AT98174.)

