

**PARTS & SERVICE
NEWS**

REF NO.	AT04811
DATE	May 21, 2004

(C)

Page 1 of 3

SUBJECT: REPAIR PROCEDURE FOR WATER PUMP OF 102 ENGINES**PURPOSE:** To introduce modification procedure to repair the water pump for the 102 Series engines**APPLICATION:** Refer to page 3**FAILURE CODE:** A600FF**DESCRIPTION:**

1. Introduction

With the 102 Series engines, when water leaks from the water pump or when the shaft has play, make the modification introduced in this Service News to repair the failure.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
6735-61-1501 (6735-61-1502)	Pump, Water (Pump, Water)	Replacement	1 (1)	Equipped with the standard pulley
6735-61-1101 (6735-61-1102)	Pump, Water (Pump, Water)		1 (1)	Equipped with the hardened pulley
6736-61-1520	Seal		1	

The water pump to replace is a former type which has better performance to discharge vapor inside the pump

3. Details of the modification of the water pump

To improve the durability of the water pump, the following modifications has been made.

To prevent damages to the seals and bearings caused by rust occurring from enclosed aqueous vapor inside the casing, the position of the weep hole has been changed and also the size of the weep hole has been enlarged. (the Part No. is being changed to the Previous Part No.)

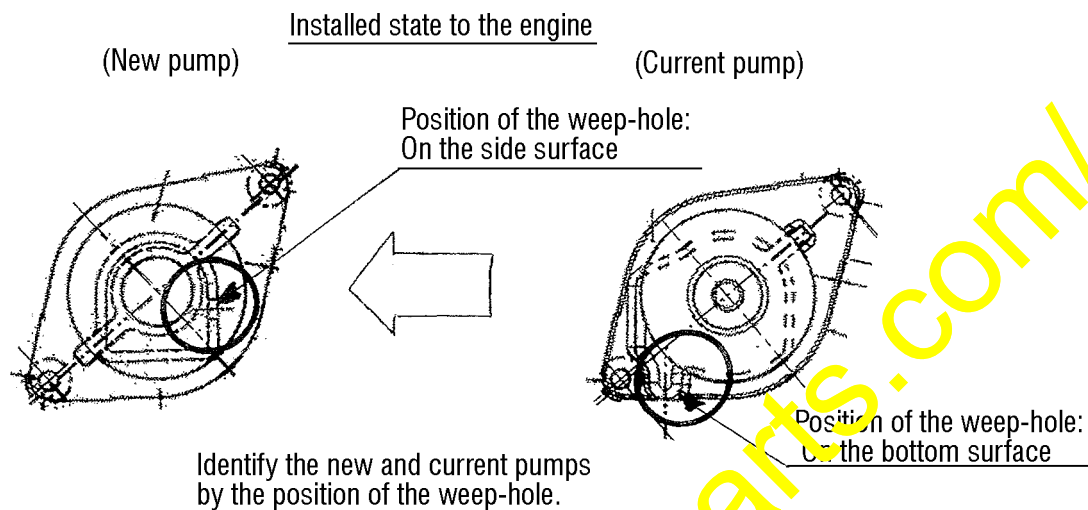


Fig. 1

When replacing the water pump, follow the procedure described in the Shop Manual. There are two types of the water pumps, one is equipped with the standard pulley and the other is equipped with the hardened pulley. Be careful not to mix them up.

Applicable machine model

	Machine model and type	Applicable Serial No.			
		Engines and machines in the field		Engines and machines shipped with the modification completed	
		Serial No. of the machine	Serial No. of the engine	Serial No. of the machine	Serial No. of the engine
1	BA200-1		26292855		From the next shipment
2	BR100JG-1		26298194		26314370
3	BR120T-1	1174	26311426	1175	26319510
4	BR210JG-1	1184	26310986	1185	26312466
5	BR350JG-1	1562	26311732	1563	26314065
6	BR380JG-1		-	1001	26315053
7	BZ120-1	1036	26285841	1037	26315706
8	BZ210-1	1114	26311626	1115	26312348
9	CD45R-1	1005	26304572		From the next shipment
10	CD60R-1	2015	26311726	2016	26312460
11	D31E-20	43126	26311703	43132	26311704
12	D31PX-21	50216	26311379	50217	26311737
13	D37E-5	4053	26299768	4055	26312432
14	D37PX-21	5091	26311006	5092	26313608
15	D39PX-21	1218	26311736	1219	26312102
16	D41P-6	50270	26311358	50271	26312087
17	GD305A-3	8036	26300049		From the next shipment
18	GD355A-3	7052	26293438		From the next shipment
19	GD405A-3	5467	26310191	5468	26315748
20	GD505A-3	2059	26298253	2060	26322842
21	GD521A-1	12221	26291033		From the next shipment
22	GD555A-3		-	11001	26314444
23	JV100A-2	11017	26301447	11018	26312464
24	PC100-6	47041	26311317	47042	26312049
25	PC120-6	66143	26311317	66148	26312049
26	PC128US-1	2784	26272747		From the next shipment
27	PC128US-2	8355	26311750	8359	26312108
28	PC128UU-1	12414	26303158		From the next shipment
29	PC138US-1	1559	26240821		From the next shipment
30	PC158US-2	10041	26310182	10045	26312448
31	PC160-7	11064	26309465	11065	26311024
32	PC200-6	110675	26311725		From the next shipment
33	PC200-7	203801	26311862	203802	26311863
34	PC220-6	56420	26311731		From the next shipment
35	PC220-7	60313	26311954	60357	26311955
36	PC238US-2	15916	26308051		From the next shipment
37	PC238US-3	30062	26311779	30063	26311780
38	PC228JU-1	11559	26308051		From the next shipment
39	PC228UU-2	11049	26308051		From the next shipment
40	PC308US-3		-	20001	26312967
41	PW128UU-1	1294	26299556	1295	26313568
42	PX500-1	10003	26300216		From the next shipment
43	WA100-3	56253	26311698	56254	26311699
44	WA100-5		-	70005	26311765
45	WA100M-3	11191	26311304	11192	26312044
46	WA150-3	64394	26311359	64395	26312089
47	WA180-3	54507	26310985	54508	26312098
48	WA200-3	64456	26311728	64457	26312461
49	WA200-5		-	65003	26316011
50	WA250-5		26304457	70013	26315342
51	WA300-3	52165	26310988		From the next shipment
52	WA320-5	60004	26311216	60005	26314253
53	WA80-3	11596	26311680	11597	26312042