

# PARTS & SERVICE NEWS

REF NO. AA04076A

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Page 1 of 5

*This Parts and Service News supersedes AA04076, dated June 16, 2004 which should be discarded.*

**SUBJECT:** IMPROVED TURBOCHARGER

**PURPOSE:** To introduce the new improved turbocharger

**APPLICATION:** WA500-3LK Wheel Loader Serial Number A71001 through A71224  
WA500-3LK Wheel Loader Serial Number A72001 through A72294  
WA600-3LK Wheel Loader Serial Number A53001 through A53051  
★ See list of additional applicable machines below

**FAILURE CODE:** A910FF

**DESCRIPTION:** In case the turbocharger KTR110L becomes broken (breakage of the blower impeller or chipping off of the turbine wheel disc), make the modification being introduced in this Service News to replace the turbocharger with the improved turbocharger.

## MACHINE PREPARATION

1. Park the machine on a flat level surface; lower the work equipment to the ground. Shut off the engine and cycle the controls to remove any residual hydraulic pressure from the work equipment circuits. Turn the parking brake switch on and block the tires or tracks.
2. Remove the key from the ignition switch until the repairs are complete. Place a tag on the steering controls advising: "This machine is being repaired. It should not be started or moved for any reason until the tag is removed by the person doing the repairs."



**WARNING!** Observe all safety and precautionary standards as dictated by the environment and work conditions under which the equipment will be inspected, reworked and repaired. Consult the "Shop Manual" and "Operator's and Maintenance Manual" and your "Komatsu district service manager" with any/all questions regarding safety.

## Remark

*These instructions are intended to supplement the service data contained in the appropriate "Shop Manual". Always refer to that manual for Removal, Installation, Disassembly and Reassembly instructions when not contained in this document.*

**LIST OF APPLICABLE MACHINES**

Applicable machine models	Engine Serial Number		Machine Serial Number	
	Engines in the field	Shipped with improved turbo	Machines in the field	Shipped with improved turbo
D575-3	-10210	10211-	-10105	From next shipment
WA600-3E	-311209	311211-	-52094	52095-
WA600-3D	-311209	311211-	-53040	53041-
WA600-3	-311208	311210-	-50005	50007-
D375A-5	-311186	311187-	-18199	18200-
HD785-5	-13556	13557-	-4458	4459-
HD985-5	-13556	13646-	-1070	1071-
WA500-3E	-112644	112728-	-52192	52193-
WA500-3A	-112644	112729-	-54046	54047-
WA500-AD	-112699	11700-		
WA500-HH	-112682	112892-		
PC600-6	-112276	113140-	-11130	11131-
PC600-7	-112685	112712-	-20031	20031--
D155AX-5A	-112592	112009-	-75253	75254-
CS360-SE	-112536	113041-	-11523	From next shipment
HD325-6E	-112695	112715-	-6273	6274-
HD405-6E	-112548	112715-	-2120	2121-
HV3000-1	-31436	3165-	-1014	1015-
HV6000-1	-31436	31758-	-1018	1019-
HM350-1	-112697	112740-	-1070	1071-
HM400-1	-112660	112735-	-1139	1140-
PC1800E-6	-112718	112859-	-11017	11018-
PC750-7	-112722	112723-	-20023	20024-
PC800-7	-112722	112742-	-40021	40022-
PC750-6E	-112578	112720-	-11077	11078-
PC800-6E	-112578	112720-	31093	31094-
BR1000JG-1	-112098	From next shipment	-1002	From next shipment
WZ4000-1	-111400	From next shipment	-1006	From next shipment
D275A-5	-112662	112721-	-25089	25090-
D275AX-5	-112636	112721-	-20094	20095-
J6D140E-GE-2	-70139	70140-		
J6D140E-GD-3	-112027	112028-		
J12V140E-GE-1	-60156	60157-		
D475A-3	-13537	13565-	-10768	From next shipment
D475A-5	-13543	13566-	-20017	20018-
WA500-3LK	-112699	112700	-A72194	A72105
WA800-3	-13491	13492-	-50041	50042-
WA800-3	-13491	13492-	-51002	51003-
WA900-3	-13549	13550-	-50034	50035-

**TURBOCHARGER SERIAL NUMBERS**

Part Number of turbocharger	Type of turbocharger	Serial number from point improvement has been implemented	Applicable machine and model
6505-61-5010	KTR110L-897A	19	D575A-3
6505-61-5020	KTR110L-897A	15	D575A-3
6505-61-5030	KTR110L-997A	303	WA600-3E,WA600-3D,WD600
6505-61-5040	KTR110L-897A	141	D375A-5 (Before water cooling)
6505-61-5050	KTR110L-897A	212	D375A-5
6505-63-5010	KTR110L-585CW	31	HD785-5
6505-63-5020	KTR110L-585CW	26	HD785-5
6505-65-5010	KTR110L-3F3E	211	J6J140E-GE-2
6505-65-5020	KTR110L-3H4E	1791	WA500-3E, WA500-3A, WA500-AD, WA500-3H, PC600-6, PC600-7, PC650-6, PC650-7, D155AX-5, CS360-2E
6505-65-5030	KTR110L-585E	441	HD325-6E, HD405-6E
6505-65-5040	KTR110L-464E	29	J6D140E-GD-3
6505-65-5050	KTR110L-685E	50	HV3000-1, HV6000-1
6505-65-5060	KTR110L-3F3E	190	J12V140E-GE-1
6505-65-5070	KTR110L-3F3E	183	J12V140E-GE-1
6505-65-5080	KTR110L-585E	230	HM350-1, HM400-1
6505-65-5091	KTR110L-584E	397	PC1800E-6F, PC1800E-6R, PC750-7, PC750-6E, PC800-7, PC800-6E, BR1000JG-1
6505-65-5110	KTR110L-585E	90	J6D140E-G1
6505-65-5120	KTR110L-385E	71	TA12V140-G1-1
6505-65-5130	KTR110L-585E	8	WZ4000-1
6505-65-5140	KTR110L-585E	209	D275A-5, D275AX-5
6505-65-5150	KTR110L-585EW	7	HD325-6E, HD405-6E
6505-65-5160	KTR110L-585E	2	GS500-1
6505-65-5170	KTR110L-3H4EW	11	D155A-5, D155AX-5
6505-65-5220	KTR110L-3F3EW	7	J6D140HE-R
6505-65-5230	KTR110L-485E	49	WA500-3, WA500-AD, WA500-AC
6505-55-5250	KTR110G-H44E	273	D475A-3, D475A-5
6505-55-5260	KTR110G-H44E	266	D475A-3, D475A-5
6505-51-5131	KTR110G-F45A	600	WA800-3, WA900-3
6505-51-5141	KTR110G-F45A	601	WA800-3, WA900-3

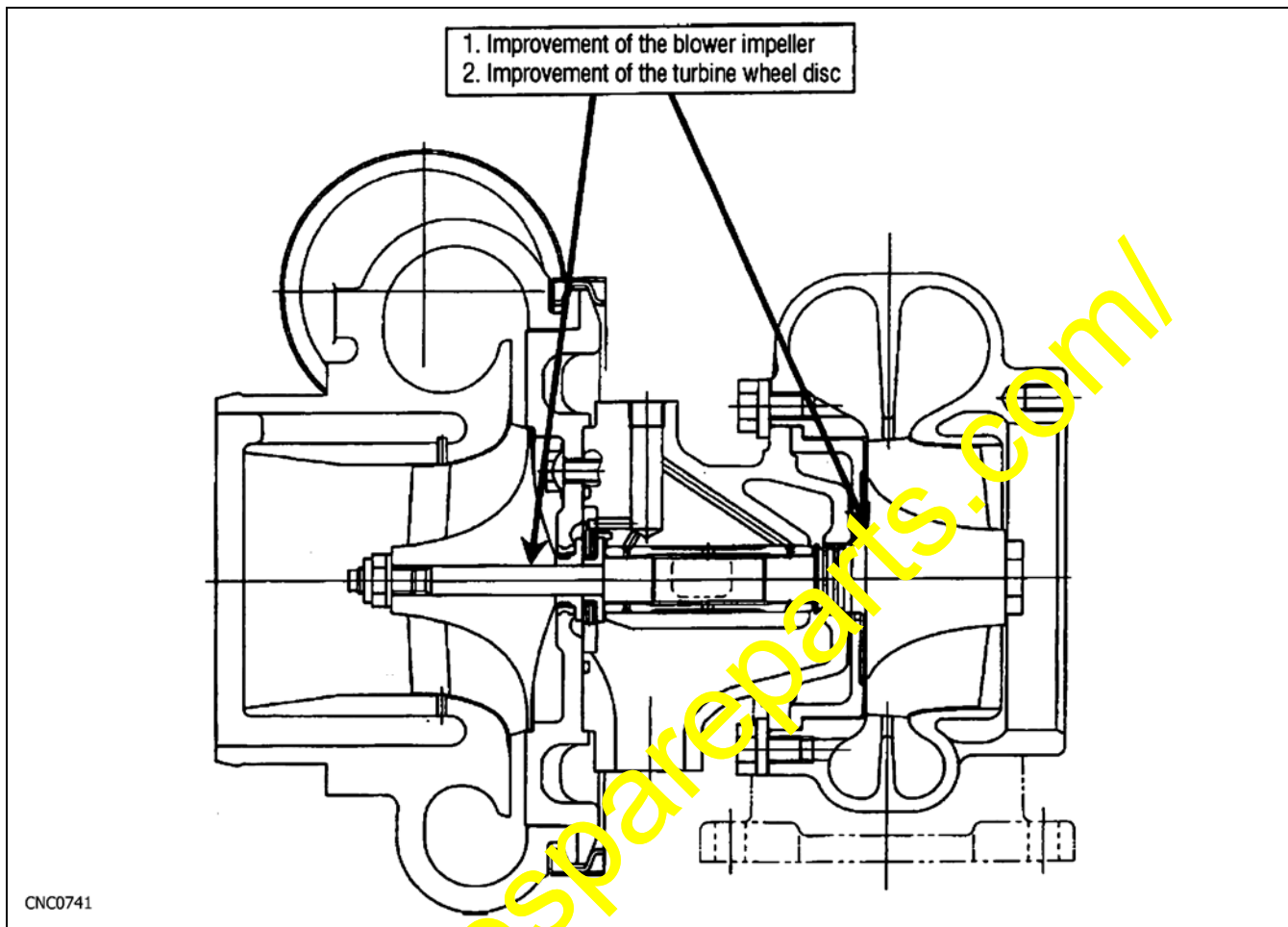
**PART LISTING**

No.	Part Number	Description	Qty.	Remark
1	6505-61-5010	TURBOCHARGER . . . . .	1	
2	6505-61-5020	TURBOCHARGER . . . . .	1	
3	6505-61-5030	TURBOCHARGER . . . . .	1	
4	6505-61-5040	TURBOCHARGER . . . . .	1	
5	6505-61-5050	TURBOCHARGER . . . . .	1	
6	6505-61-5010	TURBOCHARGER . . . . .	1	
7	6505-61-5020	TURBOCHARGER . . . . .	1	
8	6505-61-5010	TURBOCHARGER . . . . .	1	
9	6505-61-5020	TURBOCHARGER . . . . .	1	
10	6505-61-5030	TURBOCHARGER . . . . .	1	
11	6505-61-5040	TURBOCHARGER . . . . .	1	
12	6505-61-5050	TURBOCHARGER . . . . .	1	
13	6505-61-5060	TURBOCHARGER . . . . .	1	
14	6505-61-5070	TURBOCHARGER . . . . .	1	
15	6505-61-5080	TURBOCHARGER . . . . .	1	
16	6505-61-5091	TURBOCHARGER . . . . .	1	
17	6505-61-5110	TURBOCHARGER . . . . .	1	
18	6505-61-5120	TURBOCHARGER . . . . .	1	
19	6505-61-5130	TURBOCHARGER . . . . .	1	
20	6505-61-5140	TURBOCHARGER . . . . .	1	
21	6505-61-5150	TURBOCHARGER . . . . .	1	
22	6505-61-5160	TURBOCHARGER . . . . .	1	
23	6505-61-5170	TURBOCHARGER . . . . .	1	
24	6505-61-5220	TURBOCHARGER . . . . .	1	
25	6505-61-5230	TURBOCHARGER . . . . .	1	

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## CONTENTS OF THE MODIFICATION

### ★ Details Of The Modification



### DETAILS OF THE MODIFICATION

- ★ Blower impeller: The processing method for the raw material has been improved.
- ★ Turbine wheel disc: The machining method has been changed and improved.
- Identification of the improved parts
- Check the serial numbers of the factory shipment turbochargers referring to the table of serial numbers of the engines and machines from which the improved turbochargers have been mounted.
- Replace the turbocharger according to the description in the Shop Manual.