PARTS & SERVICE

REF NO.	AT00006B	
DATE	Apr. 11, 2001	
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This PARTS & SERVICE NEWS supersedes the previous issue No. AT00006A dated Nov. 28, 2000 which should be discarded.

SUBJECT: REPAIR OF DEFECTIVE STARTING MOTOR (SAFETY RELAY) ON

PC60/70-7 ETC.

PURPOSE: To introduce modification procedures to remedy malfunctioning of the

starting motor (due to defective safety relay) on PC60-7, PC70-7 and other

models of hydraulic excavators

APPLICATION: Refer to page 2 thru 5.

FAILURE CODE: D13050

DESCRIPTION:

1-1. Introduction

Although we have previously adopted a vibration-resistant safety relay, in an attempt to improve its wear resistance, for the starting motor of the PC60-7, PC70-7 and other models of hydraulic excavators, the insulation bushing installed inside the safety relay, owing to inappropriate material of the bushing, n. wadhere to the molded cover to raise the minimum activation voltage of the safety relay and thereby to cause activation failures of the starting motor. When such failures found to be occurring with these machines, implement the modification designated in this Service News to remedy the failures.

1-2. Revised places:

12 places 🛕 Nov.	28, 200	ded the applicable machines.
1 place 🛕 Apr	11 2 ⁷ 01 S	Supplemented the applicable models.

2. List of part

Part No.	Part Name	Purpose of part	Q'ty	Remarks
00-215-8940 (203-06-59321)	Switch (Switch)	Replacement	1 (1)	For CD's and PC's
<u>A</u> 600-815-8930 (203-06-59320)	Switch (Switch)		1 (1)	For WA's

List of models and serial numbers of the applicable machines

	1	T	
Applicable	Serial numbers of the	Serial numbers of already	
machine models	applicable machines	improved machines	
CD60R-1	#1395 – #1674	#1817 –	
PC100N-6	#1217 - #1220	#1221 –	
PC128US-1	#1634 - #2245	No production after Feb. '99	
PC128US-2	#5001 – #5758	#5759 –	
PC128UU-1	#3659 – #4043	No production after Sep. '99	
PC128UU-2	#5001 – #5114	#5115 –	
PC138US-2	#1001 – #1260	#1261 –	
PC60, 70-7	#55824 - #56634	No production after May '99	
PC60, 70-7 (m/c)	#58001 - #58418	#58419 –	
PC75US-3	#30103 - #30789	No production after May '99	
PC75UU-3	#16623 - #17650	No production after May 😘	
PC75UU-3 (m/c)	#19001 - #19559	#19560 –	
	#1508 🖄	#1509🛦	
PC78US-5	#1001 - # 1240	# 1241	
PW128UU-1]	#1241 –	
WA80-3		#11101	
WA100M-3		#11054	
WA100-3	Refer to pages	#55167	
	3 and 4.	#34v75 -	
WA150-3		<mark>#6</mark> 4061 –	
WA200-3		#64077 –	
WA250-3		#66011 –	
WA300-3CS	71	#52112 -	
WR11-3		#53117 –	
D31A-20	#42,745 - #43013	#43014 -	
D31AM-20	#42964 - #43021	#43022 -	
D31E-20	# <u>43</u> 952 – #43026	#43027 –	
D31P-20A	# 18620 - #49006	#49007 –	
D31P-20B	#48650 – #48999	#49000 –	
D31PG-20	#48662	#48663 -	
D31PL'0	#48714 - #49000	#49001 –	
D31PLL-20	#48663 - #49002	#49003 –	
D31Q-20	#41226 - #41244	#41245 –	
D31S-20	#41229 - #41241	#41242 –	
D31SM-20	#41242 - #41243	#41244 –	
D37A-5	No production after Feb. '99		
D37E-5	#3958 - #4024	#4025 –	
D37P-5	No production after Feb. '99		
D37P-5A	#3905 - #3936	#3937 –	
D37PG-5	No production after Feb. '99		
D37PG-5A	No production after Feb. '99		
20.1 0 0.1	1 production after 1 cb. 00		



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Applicable machine models	Serial numbers of the applicable machines	Serial numbers of already improved machines	
LC1285-1	#1033 – #1056	#1057 –	
PC75UUT-3	#1003 - #1022	#1023 –	
LC605-2	#40092 - #40094	#40095 –	
PC60SC-7	#1001 - #1018	#1019 –	
CD60RT-1	#1660 – #1662	#1663 -	

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Applicable machines other than the service campaign machines (Applicable to the "A3".)

Applicable machine models		List of serial numbers	S
WA80-3	#10713	#10776	#11031 – #11032
W1100 0	#10719 - #10722		#11048
	#10724 - #10725	#10785 - #10786	#11052
	#10729	#10791	#11056
	#10732 - #10738	#10793	#11061 - #11063
	#10740	#10795	#11065 - #11068
	#10743	#10798	#11070
	#10750 – #10751		#11076
	#10753 – #10754	#10804	#11079
	#10758	#10806 - #10807	#11081
	#10760	#11002	#11084
	#10765	#11002 + #11006	#110 8 – #11092
	#10767	#11019 – #11020	#11095 - #11096
	#10771	#11013 - #11020	1033 - 111030
	π10//1	#11028 - #11029	
WA100-3	#54403 – #54404	#54529	₁ ,55135
WAIOU-3	#54406 – #54407	#54533	#55138
	#54409	#54537	#55141 – #55142
	#54415 – #54418	#54539	#55152
	#54425	#545 <u>4</u> 2	#55158
	#54427	#545\5 - #54556	#55162
	#54433	#5.560	#55165 – #55167
	#54437	#,4535	#55170
	#54439	\$\frac{15}{5}\$\frac{15}{15}68\$	#55175 – #55178
	#54442	#54570 – #54571	#55181 – #55185
	#54445	#55001	#63468
	#54449	#55004	#63471
	#54455	#55004 #55006	#63476 – #63478
	#54460	#55008	#63482
	#54432	#55016	#63485
	#54465 – #54471	#55018	#63492 – #63493
	#34474 – #54476	#55022	#63497
	#54478 – #54480	#55039	#63503
	#54485 – #54488	#55041	#64006
	#54491 – #54493	#55076 – #55077	#64026
	#54495	#55082	#64045
	#54500	#55090 – #55092	#64051
	#54503	#55094	#64064
\\ \	#54507	#55103	#64066
	#54511 – #54512	#55112	#64068
	#54514	#55124	#64072 – #64074
	#54524	#55133	#04072 - #04074
	11 J J J & J	IFJJ1JJ	
WA100M-3	#10078 - #11079	#10113	#11028 - #11032
VVAIOUNI-O	#11082 – #11086	#10113	#11035
	#10088 - #10091	#11001 - #11002	#11041
	#10093 – #10091 #10093 – #10095	#11001 – #11002 #11008	#11041
	#10101 #10101	#11010	#11043
	#10101 #10103 – #10106	#11015	#11047 #11050 – #11052
	#10103 - #10100 #10108 - #10111	#11015 #11025 – #11026	111000 - #11002
	π10100 - π10111	111020 → π11020	

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Applicable machines other than the service campaign machines (Applicable to the "A3".)

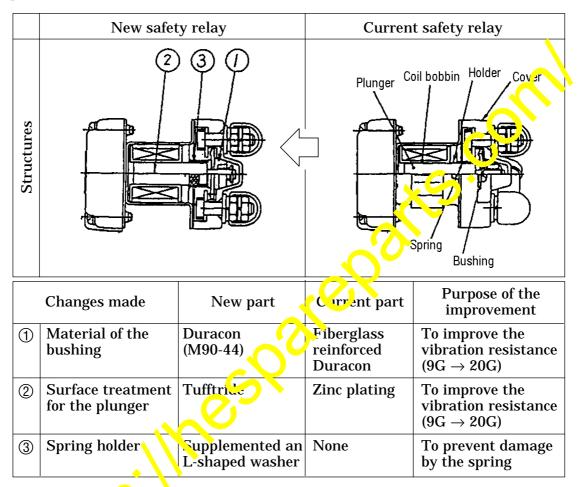
Applicable machine models		List of serial numbers	3
WA150-3	#63363 #63365 #63367 #63369	#63385 - #63386 #63390 #63393 - #63394 #63401	#64022 #64043 #64047 #64049
	#63372 #63375 – #63379 #63382 – #63383		#64051 #64056 #64059
WA200-3	#63473 - #63474 #63477 #63479 #63481 - #63484 #63486 #63491 #63496 - #63497 #63500 - #63501 #63503 - #63504	#63528 - #63529 #63533 #64004	#64021 #6400 #64053 #64061 - #64062 *64067 #64070 - #64072 #64074
WA250-3	#65040 – #65041	#60033 - #66005	#66007
WA300-3CS	#52001 – #52004 #52006 #52008	#52010 - #52014 #52016 #52102	#52106 #52108 – #52111
WR11-3	#53002 - #530\\\ #53002 - #530\\\ #530\\\ #530\\\	#53102 #53104 – #53108 #53110	#53113 #53115 – #53116
PW128UU-1	#.216		

3. Contents of the modification

An internal part of the safety relay may wear to cause the operating voltage of the relay to increase, leading to occurrences of activation failures of the starting motor.

The cause for this failure is that the bushing used inside the safety relay has worn by rubbing against the cover and sliding resistance has increased.

As the improvements to remedy the above failure and, simultaneously, as a means to prevent the spring from entering into inside the holder, following modifications have been implemented.



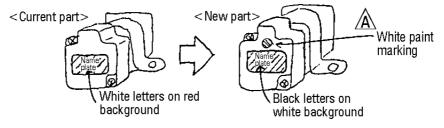
4. Identification method for the improved part

NIKKO F. CECTA C INDUSTRY CO., LTD's part numbers Komatsu'part numbers <Cultum part> 0-25000-7960 \rightarrow <New part> 0-25000-7961 (600-815-8940)

 \triangle <Current part> 0-25000-7410 \rightarrow <New part> 0-25000-7411 (600-815-8930)

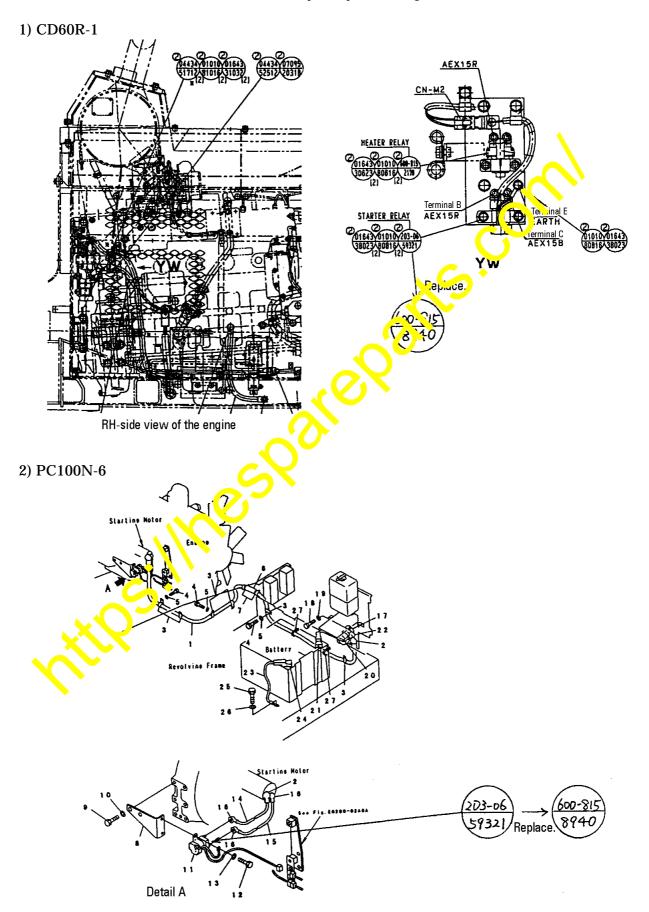
Also, pursuant to the manufacturer's part number change, the color of the nameplate has been changed.

Also, pursuant to the part number change by the manufacturer, the color of the nameplate has been changed and, also, a white paint marking is being provided above the nameplate for the identification purpose.

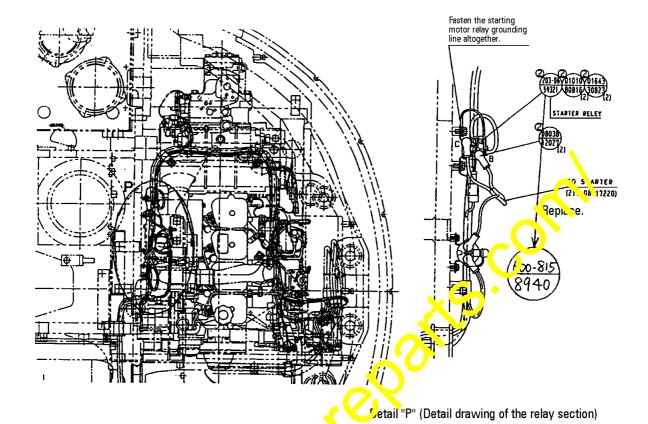


5. Modification procedures

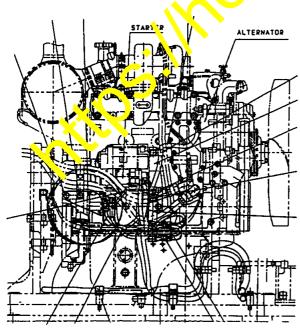
When the aforesaid failure has occurred, replace the safety relay with the improved part. Shown below are the location of the safety relay with respective models.



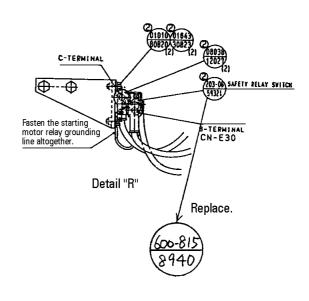
3) PC128UU/US-1



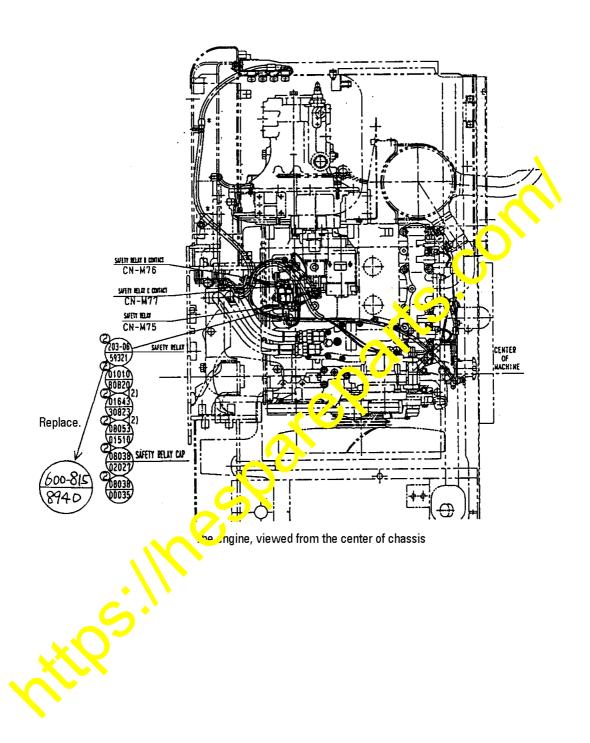
4) PC128US/UU-2 and PC138US-2



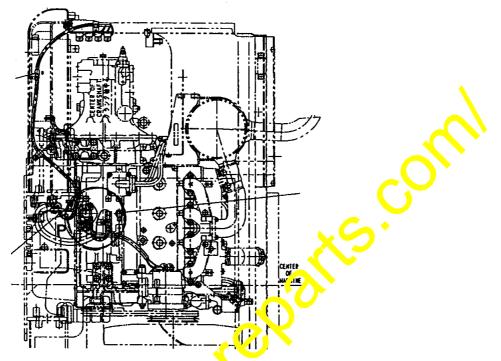
The engine, viewed from the center of chassis



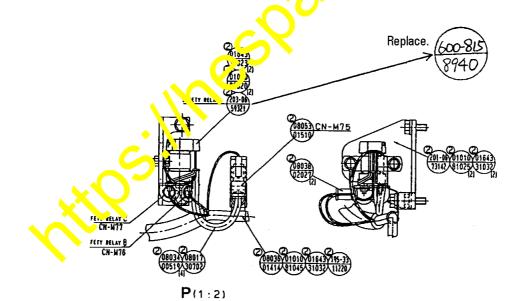
5) PC60/70-7



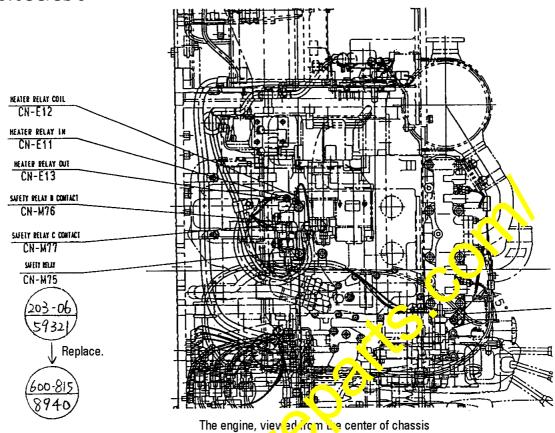
6) PC60/70-7 (#58001 -)



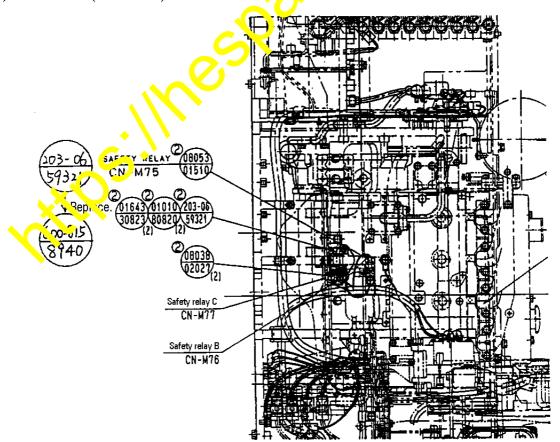
The engine, viewed from the certain on chassis



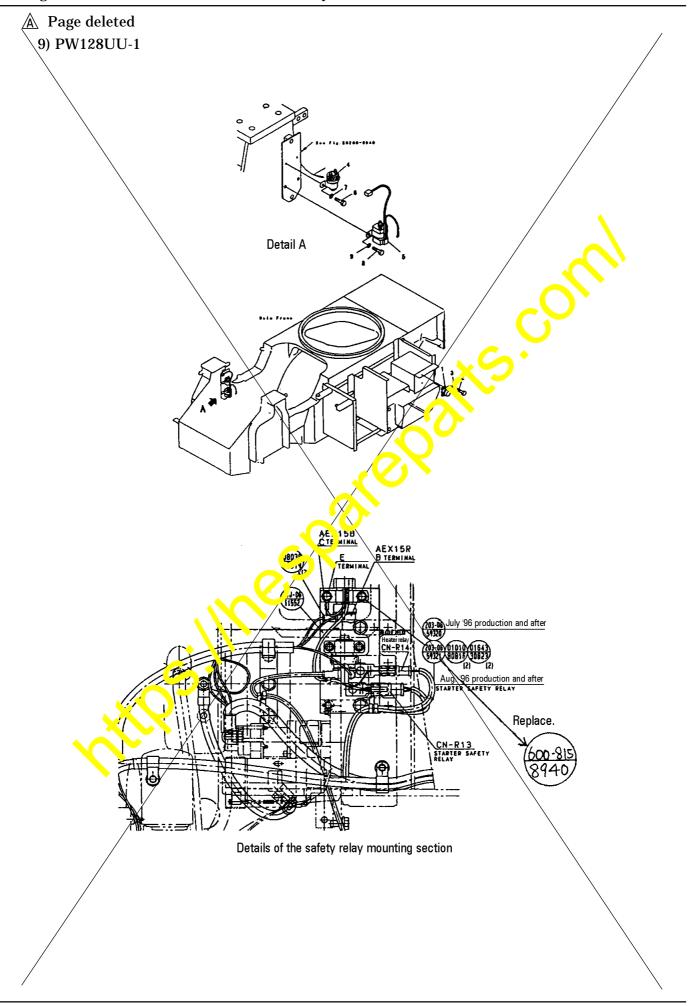
7) PC75UU/US-3



8) PC75UU-3 (#19001 –) and PC78US-5

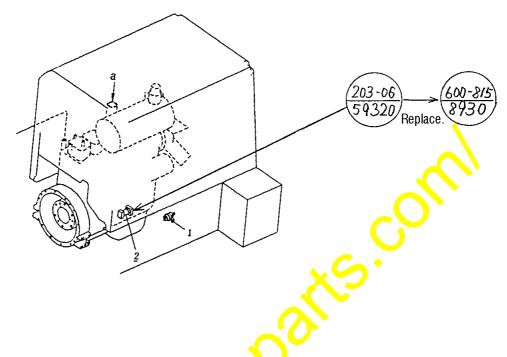


The engine, viewed from the center of chassis

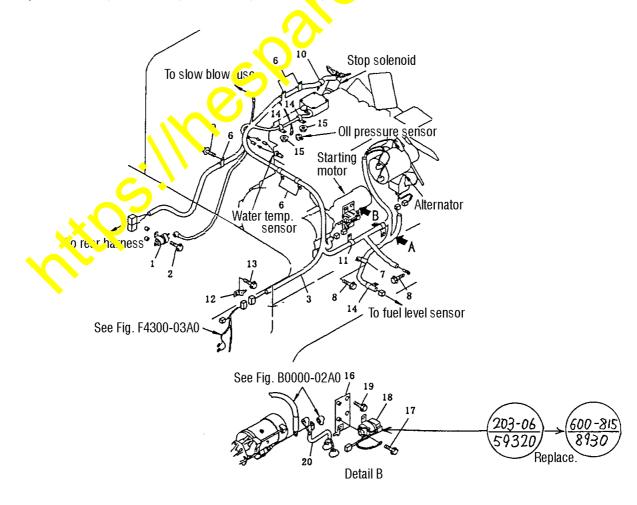


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10) WA80-3, WA100M-3



11) WA100-3, WA150-3, WA200-3, WA250-5, VR 1-3



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12) WA300-3CS

