

PARTS & SERVICE NEWS

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SUBJECT: REPAIR OF EXHAUST VALVE SPRING BREAKAGE ON 102-ENGINE (EXCEPT 6D102 ENGINE)

PURPOSE: To introduce modification procedures to repair when the exhaust valve spring is found to be broken on machines carrying ϕ 102 engines (Applicable to all the ϕ 102 engines except for 6D102 engines)

APPLICATION:

4D102E	Engines, Serial Nos.	} Refer to pages 3 thru 6.
S4D102E	Engines, Serial Nos.	
S6D102E	Engines, Serial Nos.	
SA6D102E	Engines, Serial Nos.	

FAILURE CODE: A4F0FF

DESCRIPTION:

1. Introduction

When the exhaust valve spring is found to be broken on the machines carrying the above engines, make the modification introduced in this Service News to repair the failure.

2. List of parts

Applicable to machines carrying ϕ 102 engines except for the 6D102E engines for the FD40 and FD50

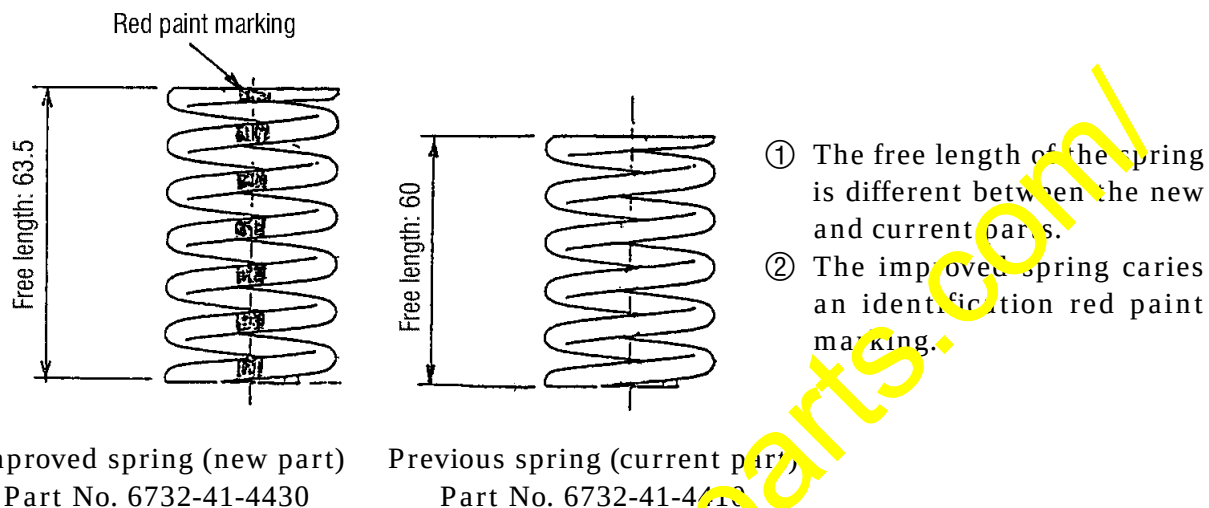
Part No.	Part Name	Purpose of part	Q'ty	Remarks
6732-41-4430 (6732-41-4410)	Spring valve (Spring, valve)	Replacement	8 or 12 (8 or 12)	8 units for the (S)4D102 engines and 12 units for the S(A)6D102 engines

3. Modification procedures

3.1 Contents of the modification

Owing to the dispersion occurred during the production processes, the exhaust valve spring for this engine may break. When the spring is found to be broken, replace the spring with the improved part.

3.2 Identification method of the new part and the current part



3.3 Replacing the exhaust valve springs

- (1) Referring to the Shop Manual, replace all the exhaust valve springs with the improved parts.
- (2) If, by any chance, neighboring parts are damaged secondarily, replace those damaged parts as well.

List of serial numbers of the applicable machines

No.	Machine models	Already shipped machines	Already modified factory shipment new machines		Remarks
		Serial Nos. of the machines	Serial Nos. of the machines	Starting from	
		Serial Nos. of the engines	Serial Nos. of the engines		
1	PC60-7	(#50001 – #57999)	—	—	} Production is not being planned since shifting to ø95 engines
	PC70-7	#26200282 – #26265315	—		
2	PC75UU-3	(#10000 – #18999)	—	—	
		#26202310 – #26253001	—		
3	PC75US-3	(#30001 – #30799)	—	—	
		#26202310 – #26253292	—		
4	PCB7UE-2	—	—	From the next production	
		#26226201 – #26249407	—		
5	WA80-3	(#1001 – #11234)	(#11235 –)	00/12	
		#26200974 – #26277524	#26277836 –		
6	WA100M-3	(#10000 – #11108)	(#11109 –)	00/12	
		#26240495 – #26276007	#26277839 –		
7	BR100-1	(#1000 – #1226)	—		
		#26231207 – #26274291	—		
8	MK65	—	—	From the next production	
		#26214500 – #26214500	—		
9	MST500	—	—		
		#26216852 – #26216852	—		
10	MAEDA755	—	—		
		#26229646 – #26277525	—		
11	PC100-6	(#40001 – #46822)	(#46823 –)	00/12	
		#26200479 – #26277572	#26277847 –		
12	PC120-6	(#60001 – #64781)	(#64782 –)	00/12	
		#26200284 – #26277565	#26277566 –		
13	PC128UU-1	(#3001 – #2181)	—	From the next production	
		#26200415 – #26262167	—		
14	PC128US-1	(#2203 – #4043)	—		
		#26202211 – #26262167	—	00/12	
15	PC128US-2	(#5001 – #6798)	(#6799 –)		
		#26202211 – #26277636	#26277637 –	00/12	
16	D31-20	(#40001 – #43067)	(#43068 –)		
		#26203202 – #26277607	#26277608 –	00/12	
17	D37-5	(#3001 – #4033)	—		
		#26203206 – #26277315	—	From the next production	
18	WA100-3	(#50001 – #64177)	(#64178 –)	00/12	
		#26201766 – #26277595	#26277596 –		
19	WA120-3	(#50001 – #54084)	(#54085 –)	00/12	
		#26238057 – #26277595	#26277596 –		
20	GD305A-3	(#8001 – #8019)	—	From the next production	
		#26230125 – #26266997	—		

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21	GD355A-3	(#7001 – #7042)	—	From the next production	
		#26225776 – #26254125	—		
22	MK85	—	—		
		#26212899 – #26221463	—		
23	MST700	—	—	01/1	
		#26216660 – #26276437	#26278813 –		
24	PC200-6	(#90001 – #109639)	(#109640 –)	00/12	
		#26201315 – #26277726	#26277727 –		
25	PC200-CA6	—	—	00/12	For the BKC in Thailand
		#26201315 – #26277481	#26278352 –		
26	PC200-DB6	—	—	00/12	For the Shantui in China
		#26201315 – #26277258	#26278096 –		
27	PC200-NL6	—	—	00/12	For the L&T in India
		#26201315 – #26277487	#26278352 –		
28	PC200-RT6	—	—	00/12	For the TEMSA in Turkey
		#26201315 – #26276531	#26278352 –		
29	PC210-6	(#30001 – #31850)	(#31851 –)	00/12	
		#26201315 – #26277969	#26277990 –		
30	PC228UU-1	#10001 – #10586	—	From the next production	
		#26200939 – #26277538	—		
31	PC228US-1	#10001 – #11726	—		
		#26200939 – #26277424	—		
32	PC228US-2	#15001 – #15322	—		
		#26200939 – #26277151	—		
33	JK-PC200-6	—	—	00/12	For the KI
		#26224076 – #26268178	#26278352 –		
34	GIAN-PC200	—	—	00/12	
		#26239541 – #26239543	#26278352 –		
35	BR210JG-1	(#1001 – #1152)	(#1153 –)	00/12	
		#26230904 – #26277745	#26278029 –		
36	WA150-3	(#60001 – #64153)	(#64154 –)	00/12	
		#26200929 – #26278010	#26278011 –		
37	WA180-3	(#50001 – #54000)	(#54001 –)	00/12	
		#26230884 – #26275149	#26249524 –		
38	WA200-3	(#60001 – #64209)	(#63488 –)	00/12	
		#26200933 – #26277734	#26277735 –		
39	WA250-3	(#60001 – #66000)	(#66001 –)	00/12	
		#26233067 – #26277426	#26278626 –		
40	JK-WA180	—	—	00/12	For the KI
		#26222495 – #26272612	#26278352 –		

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41	GD405A-3	(#5001 – #5265)	(#5266 –)	00/12	
		#26225814 – #26277159	#26278021 –		
42	GD505A-3	#2001 – #2042	#2043 –	00/12	
		#26217494 – #26277162	#26278303 –		
43	GD521A-1	(#10001 – #10200)	(#10201 –)	00/12	
		#26217579 – #26276190	#26278304 –		
44	MK125	—	—		
		#26207007 – #26255444	—		
45	MST1100	—	—		
		#26216709 – #26276501	—		
46	DCA115SPK	—	—	From the next production	
		#26217688 – #26277172	—		
47	EG90BS-1	—	—		
		#26217575 – #26247649	—		
48	AG90	—	—		
		#26239327 – #26261347	—		
49	PC220-6	(#50001 – #56223)	(#56224 –)	00/12	
		#26201322 – #26277754	#26278036 –		
50	PC220-DB6	—	—	00/12	For the Shantui in China
		#26201322 – #26277812	#26278072 –		
51	PC230-6	(#10001 – #10326)	(#10327 –)	00/12	
		#26201322 – #26277447	#26277753 –		
52	WA300-3	(#50001 – #52126)	—		
		#26200458 – #26249267	—		
53	WA320-3	(#50001 – #54141)	—	From the next production	
		#26200458 – #26277177	—		
54	WA320-DZ5	—	—	00/12	For the Changlin in China
		#26206887 – #26278895	#26278896 –		
55	WA320-R13	—	—	00/12	For the TEMSA in Turkey
		#26206887 – #26276547	#26278896 –		
56	BR350JG-1	(#1001 – #1399)	(#1400 –)	99/4	
		#26230912 – #26277756	#26278654 –		
57	EG125BS-2	—	—		
		#26216613 – #26247649	—		
58	AG125	—	—	From the next production	
		#26217626 – #26228835	—		
59	PW128UU-1	#1001 – #1220	—		Machines after the m/c are not applicable to this modification (Using the softer spring)
		#26202211 – #26246613	—	—	

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		Serial Nos. of the engines	Serial Nos. of the engines		
60	JV100A-2	(#10001 – #21185)	—	From the next production	
		#26206782 – #26277161	—		
61	D41-6	(#5005 – #50203)	(#50204 –)	00/12	
		#26249258 – #26277166	#26278031 –		
62	CD60-1	(#1001 – #1916)	(#1917 –)	00/12	
		#26200001 – #26277170	#2627749 –		
63	JK-PC100	—	—	00/12	For the KI
		#26200001 – #26277345	#26277637 –		

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