

**PARTS & SERVICE
NEWS**

REF NO.	AT00309
DATE	Feb. 5, 2001

(C)

Page 1 of 4

SUBJECT: IMPROVEMENT OF OVERFLOW VALVE SPRING FOR INJECTION PUMP PRODUCED BY BOSCH

PURPOSE: To introduce the improvements made in the overflow valve spring for use with the fuel injection pumps being produced by Bosch

APPLICATION: Refer to pages 3/4 and 4/4.

FAILURE CODE: A70938

DESCRIPTION:

1. Introduction

This Service News will introduce the improvements made in the reliability and durability of the valve spring for the delivery valve type overflow valve for use with the fuel injection pumps being produced by Bosch.

2. List of parts

Part No.	Part Name	Qty	Remarks
DK131425-1620 (DK131424-6520)	Valve Ass'y (Valve Ass'y)	1 (1)	Refer to pages 3/4 & 4/4 regarding the applicable model names.
DK131425-1620 (DK131424-7120)	Valve Ass'y (Valve Ass'y)	1 (1)	
DK131425-1920 (DK131424-6620)	Valve Ass'y (Valve Ass'y)	1 (1)	
DK131425-2020 (DK131424-7320)	Valve Ass'y (Valve Ass'y)	1 (1)	
DK131425-2120 (DK131424-7520)	Valve Ass'y (Valve Ass'y)	1 (1)	

3. Contents of the improvement

The material of the spring has been changed from SWPB to SWOSC-V to increase the strength. Also, Silvest-treatment has been supplemented. (Pursuant to the above changes, modifications have also been made with some other internal parts.)

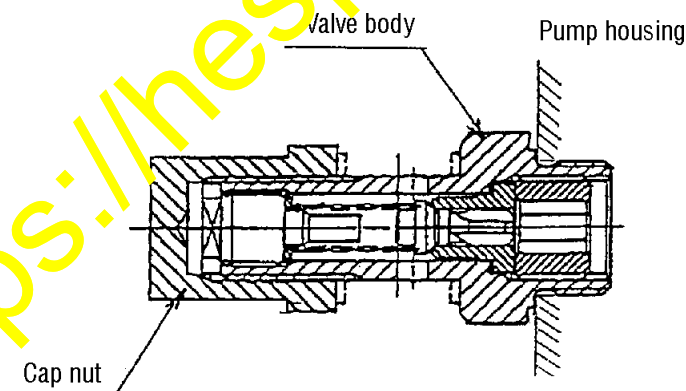
Silvest-treatment is a kind of carbonitriding treatment being applied to spring wires. The aforesaid improvement has been effective to increase the strength and wear resistance of the spring.

4. Modification procedures

When making this modification, replace the overflow valve assembly in whole.

Perform the modification work following the procedures outlined below paying attention not to let adhesive, dust or any other foreign substance enter into the pump.

- 4.1. First, remove the current assembly. At this time, residue adhesive will be found remaining on the thread surfaces of the pump housing and remove them thoroughly paying attention not to let the residue adhesive drop inside the pump.
- 4.2. Then, thoroughly wipe off the oil adhering on the thread surfaces of the pump housing before applying adhesive on the threaded section and on the bearing surface of the valve body and installing the valve body into the pump housing.
 - Valve body tightening torque: 39 – 49 Nm (4 – 5 kgm)
 - Use Three Bond TB1324 or an equivalent as the adhesive.
 - Leave the valve intact for about 12 hours after its installation into the pump housing.
- 4.3. Install the fuel piping before tightening the cap nut.
 - Cap nut tightening torque: 24.5 – 34 Nm (2.5 – 3.5 kgm)



Check list for the serial numbers of the applicable machines and vehicles
(Applicable production months: July '95 and after)

No.	Applicable model names	Serial numbers of the applicable engines		Serial numbers of the applicable chassis		Part numbers of the improved overflow valve
		Already shipped engines	Factory shipment new engines	Already shipped machines and vehicles	Factory shipment new machines and vehicles	
1	WA400-3	#16016 – #21825	#21826 –	#50001 – #50187	#50188 –	DK131425-1620
2	WA450-3	#54547 – #64519	#64795 –	#50001 – #50220	#50221 –	DK131425-2120
3	WA500-3	—	#23257 –	—	#50001 –	DK131425-1620
4	D155A-1	#24052 – #57169	#57284 –	#5501 – #31414	#31415 –	DK131425-1620
5	GC380F-2	#21744 – #22233	#22388 –	#12001 – #12010	#12011 –	DK131425-1620
6	PC1600SP-1	#11399 – #22304	#22393 –	#10001 – #10071	#10072 –	DK131425-1620
7	HD325-6	#17983 – #22354	#22406 –	#5001 – #5438	#5439 –	DK131425-1620
8	PC1800-6	—	#27372 –	—	#10001 –	DK131425-1620
9	PC750-6	—	#22885 –	—	#10001 –	DK131425-1620
10	HD785-2	#10006 – #10512	From the next shipment	#1501 – #1991	From the next shipment	DK131425-1920
11	HD785-3	#10034 – #11108	#11123 –	#2101 – #2377	#2378 –	DK131425-1620
12	HD985-3	#10034 – #11108	#11140 –	#1001	#1002 –	DK131425-1620
13	HD785-5	—	#11755 –	—	#4001 –	DK131425-1620
14	WA800-1	#10040 – #10519	From the next shipment	#10001 – #10730	From the next shipment	DK131425-1920
15	WA800-2	#10001 – #11117	#11118 –	#10502 – #10704	#10705 –	DK131425-1620
16	WA800-3	—	#11645 –	—	#50001 –	DK131425-1620
17	WA900-1	—	#11184 –	—	#10001 –	DK131425-1620
18	WD900-3	—	#11668 –	—	#50001 –	DK131425-1620
19	D475A-1	#10001 – #10517	From the next shipment	#10001 – #10104	From the next shipment	DK131425-1920
20	D475A-2	#10100 – #11101	#11109 –	#10201 – #10396	#10397 –	DK131425-1620
21	HV700-2	#10701 – #10815	From the next shipment	#1001 – #1010	From the next shipment	DK131425-1620
22	D275A-2	#14674 – #17178	#17179 –	#10001 – #10162	#10163 –	DK131425-1620
23	D375A-2	#13551 – #17239	#17240 –	#16001 – #16633	#16634 –	DK131425-1620
24	D375A-3	—	#17353 –	—	#17001 –	DK131425-1620
25	PC1000-1	#11763 – #17224	#17268 –	#10001 – #10356	#10357 –	DK131425-1620
26	WA600-3	—	#18669 –	—	#50001 –	DK131425-1620
27	WA700-1	#13519 – #17225	#17274 –	#10001 – #10116	#10117 –	DK131425-2020
28	WD600-1	#12155 – #17084	#17301 –	#10001 – #10097	#10098 –	DK131425-1620
29	D575A-2	#10001 – #10106	#10111 –	#10001 – #10015	#10016 –	DK131425-1620
30						

Check list for the serial numbers of the applicable engines
(Applicable production months: July '95 and after)

No.	Applicable model names	Serial numbers of the applicable engines		Serial numbers of the applicable chassis		Part numbers of the improved overflow valve
		Already shipped engines	Factory shipment new engines	Already shipped machines and vehicles	Factory shipment new machines and vehicles	
1	6M117A-2	#10001 – #63840	#63841 –			DK131425-1620
2	6M122A-1	—	#10001			DK131425-2120
3	6M125A-2	—	#10001			DK131425-1620
4	6M137B-1	—	#10001			DK131425-1620
5	6M160A-1	#10001 – #17117	#10004			DK131425-1620
6	6M170A-2	—	#10001			DK131425-1620
7	EG220BS-2	#10001 – #62978	#65533 –			DK131425-2120
8	EG300BS-5	—	#73944 –			DK131425-2120
9	SA6D125-GD-1 (DCA275S)	#10001 – #64453	#64454 –			DK131425-2120
10	J6D125E-FH1-2	#10001 – #63827	#64807 –			DK131425-2120
11	EG300B-5	#10001 – #16863	#24390 –			DK131425-1620
12	EG400BS	#10001 – #23475	#23475 –			DK131425-1620
13	EG350B-L	#10001 – #22082	From the next shipment			DK131425-1620
14	SA6D140A-GD-1 DCA400	#10001 – #22382	#22383 –			DK131425-1620
15	SA6D140A-GD-1 DSC360	#10001 – #22314	#22315 –			DK131425-1620
16	SA6D140A-GH-1 (SA6D140A)	#10001 – #22342	#22343 –			DK131425-1620
17	SA6D140B-G1-1	#10001 – #22403	#22445 –			DK131425-1620
18	EG750A•B	#10001 – #11041	From the next shipment			DK131425-1620
19	SA12V140-GD-1	#10001 – #11089	#11115 –			DK131425-1620
20	SA12V140-G1-1	#10001 – #11092	#11127 –			DK131425-1620
21	SA12V140-GH-1	#10001 – #10761	#11110 –			DK131425-1620
22	EG500BS	#10001 – #16839	From the next shipment			DK131425-1620
23	EG600B	#10001 – #16572	#17294 –			DK131425-1620
24	SA6D170A-GH-1	#10001 – #15820	#17273 –			DK131425-1620
25	SA6D170B-GD-1 (DSG-470)	#10001 – #17144	#17336 –			DK131425-1620
26	SA6D170B-GD-1 (DCA500)	#10001 – #16582	#17290 –			DK131425-1620
27	SA12V170-G3-1	#10001 – #10056	#10103 –			DK131425-1620
28						
29						
30						