

PARTS & SERVICE NEWS

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SUBJECT: IMPROVEMENT OF SUPPLY PUMP PCV ON SERIES 125 AND 140 COMMON RAIL ENGINE

PURPOSE: To inform Field Personnel

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APPLICATION: A6D140E-KC-3 Engine S/N 00110001 and up
BR100JG-1 Mobile Crusher, S/N 1001 and 1002
CS360-2E Crawler Stabilizer, S/N 11001 thru 11092
CS360SD-2 Crawler Stabilizer, S/N 11001 thru 11523
D155AX-5A Bulldozer, S/N 75001 thru 75307
D155AX-5B Bulldozer, S/N 76001 thru 76141
D275A-5 Bulldozer, S/N 25001 thru 25144
D275AX-5 Bulldozer, S/N 20001 thru 20124
D65EX-12 Bulldozer, S/N 65001 thru 65466
D65PX-12 Bulldozer, S/N 65001 thru 65565
D65EX-15 Bulldozer, S/N 67001 thru 67474
D65PX-15 Bulldozer, S/N 67001 thru 67459
D85EX-15 Bulldozer, S/N 10001 thru 10144
D85PX-15 Bulldozer, S/N 1001 thru 1046
GC380F-2E Road Cutters, S/N 13001 and 13002
HD325-6E Dump Truck, S/N 6001 thru 6314
HD405-6 Dump Truck, S/N 2001 thru 2150
HM300-1 Truck, S/N 1001 thru 1177
HM350-1 Truck, S/N 1001 thru 1094
HM400-1 Truck, S/N 1001 thru 1225
PC1800E-6F Hydraulic Excavator, S/N 11001 thru 11027
PC1800E-6R Hydraulic Excavator, S/N 11001 thru 11027
PC400-7 Hydraulic Excavator, S/N 50001 thru 50206
PC400LC-7 Hydraulic Excavator, S/N 50001 thru 50206
PC450-7 Hydraulic Excavator, S/N 20001 thru 20149
PC450LC-7 Hydraulic Excavator, S/N 20001 thru 20148
PC600-6 Hydraulic Excavator, S/N 11001 thru 11133
PC600-7 Hydraulic Excavator, S/N 20001 thru 20067
PC600LC-7 Hydraulic Excavator, S/N 20001 thru 20069
PC650-6 Hydraulic Excavator, S/N 31001 thru 31050
PC650-7 Hydraulic Excavator, S/N 40001 thru 40019
PC750-6 Hydraulic Excavator, S/N 11001 thru 11080
PC750-7 Hydraulic Excavator, S/N 20001 thru 20046
PC750LC-6 Hydraulic Excavator, S/N 11001 thru 11068
PC800-6 Hydraulic Excavator, S/N 31001 thru 31097
PC800-7 Hydraulic Excavator, S/N 40001 thru 40050
WA430-5 Wheel Loader, S/N 60001 thru 60157
WA470-5 Wheel Loader, S/N 80001 thru 80114
WA480-5 Wheel Loader, S/N 80001 thru 80109
WA500-3A Wheel Loader, S/N 52001 thru 52312
WA500-3E Wheel Loader, S/N 54001 thru 54067
WT800E-1 Wheeled Tractor, S/N 1001
WZ4000-1 Wheel Loader, S/N 1001 thru 1006

FAILURE CODE: AD11FF

DESCRIPTION:

1. Introduction:

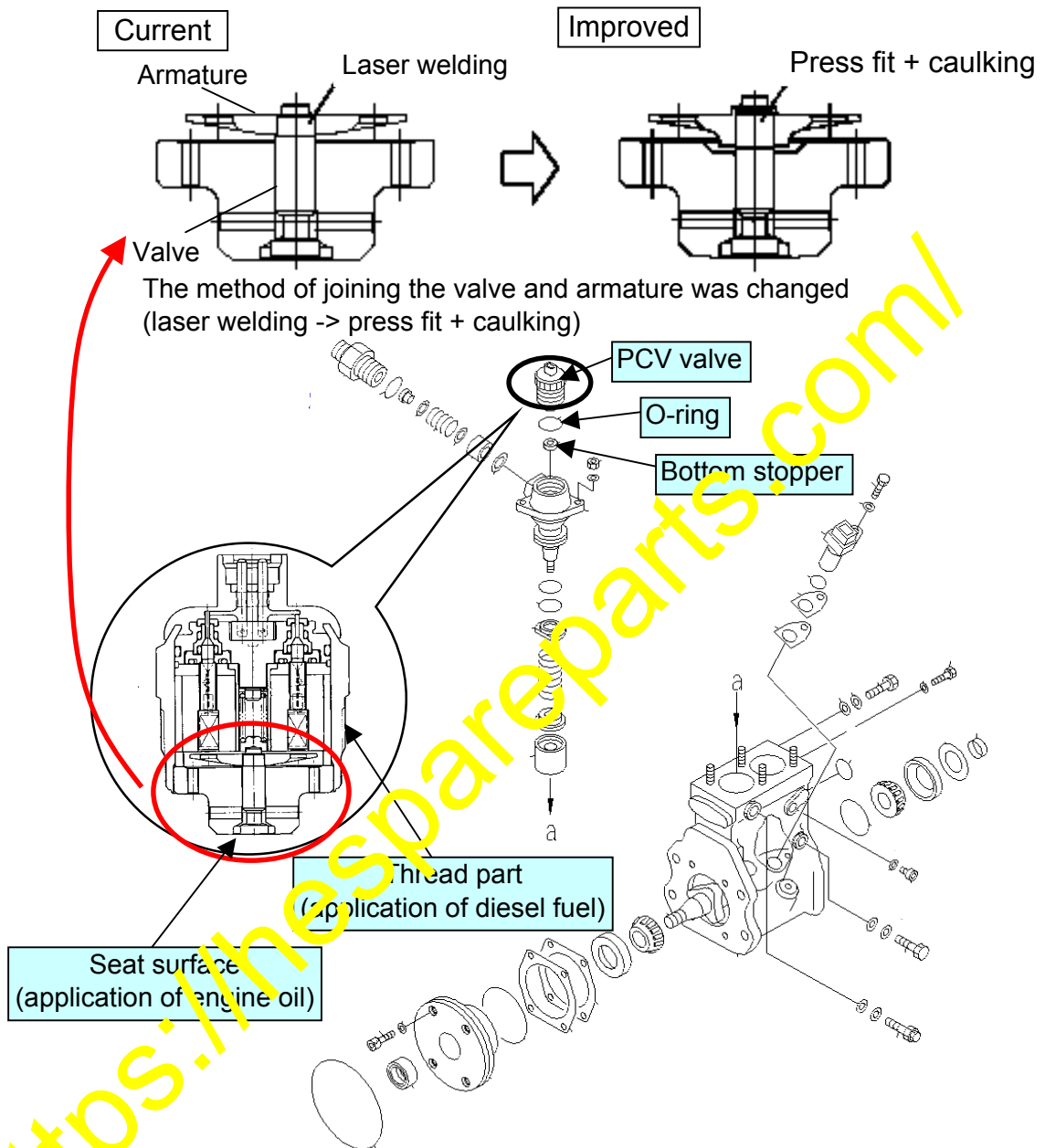
In the engine with common rail (Series 140 and 125) internal parts of PCV in supply pump with standard specification may be damaged. As Komatsu has developed a supply pump (PCV) with increased strength of parts, replace either supply pump assembly or PCV assembly in accordance with this **PARTS & SERVICE NEWS**.

2. List of Parts:

Part No.	Part Name	Purpose of Part	Qty.	Remarks
6218-71-1111 (6218-71-1110)	Inj pump Assembly (Inj pump assembly)	Replacement	1 (1)	For Series 140 engines
6217-71-1121 (6217-71-1120)	Inj pump Assembly (Inj pump assembly)		1 (1)	
6156-71-1111 (6156-71-1110)	Inj pump Assembly (Inj pump assembly)		1 (1)	For Series 125 engines
Single part number				
ND095300-0140 (ND095300-0040)	Valve Assembly (Valve Assembly)		2 (2)	Consumable parts
ND095331-0020	Stopper		2	
ND094086-0100	O-Ring		2	

1. Improvements

The internal structure of the supply pump delivery adjusting valve (PCV valve) was modified and its strength was increased.



2. Improvement Procedure

2-1 For replacement of supply pump assembly

To remove and install the supply pump, see model-by-model shop manuals. For information, the shop manual number for engine as a single unit is given below:

Φ125 engine: SEBM024208 Φ140 engine: SEBM02209

2-2 For replacement of PCV assembly

To replace the PCV assembly, see the Supply Pump Shop Manual (SEBM024001). Extreme caution should be taken to protect the inside from dust during replacement. Also, replace the bottom stopper (ND095331-0020) and O-ring (ND094086-0090). Before tightening, apply diesel fuel to the thread part and engine oil (#30) to the seat surface and use the preset type torque wrench (limiter type) to tighten after setting 157 Nm (16 kgm) for the torque wrench. Avoid reusing the PCV assembly (retightening of removed goods). Be sure to use fresh oil to apply.