

PARTS & SERVICE NEWS

REF NO.	AA04186
DATE	December 20, 2004

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SUBJECT: INTRODUCE IMPROVED PPC VALVE ASSEMBLIES

PURPOSE: To Improve Truck Reliability

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
530M: A30001-A30038, 32628;
HD1500-5: A30039 - A30097;

FAILURE CODE: Q120PM

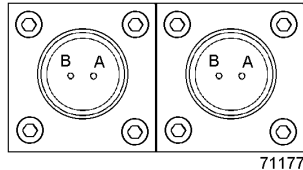
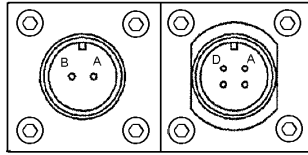
DESCRIPTION:

Some trucks in the field may display fault codes relating to the brake and/or retarder systems. If after completion of the troubleshooting procedures outlined in the shop manuals, and it has been determined that the PPC (Proportional Pressure Control) valve assembly is the source of the problem, then it will need to be replaced. The PPC valve assembly can not be serviced in the field. If the PPC is found to be defective, it must be replaced as a complete unit.

A new and improved PPC valve assembly is now available to replace defective valves as determined through the troubleshooting process. The new valve will provide more consistent output pressures for a given electrical signal (i.e. less gain shift) as a result of changes made in the manufacturing process of the PPC valves.

Refer to Table 1 for part numbers of improved PPC valves. Be sure the electrical connection on the new PPC valve matches the electrical connection on the PPC valve being replaced. Both new valves are identical to each other, except that one valve has a four pin connector to prevent crossing the harness connectors. Parts & Service News AA02079 refers to special service tools related to the PPC valves.

TABLE 1. PPC VALVE PART NUMBERS

Truck Model	Previous PPC Valve part numbers	Improved PPC Valve part numbers	PPC Valve electrical connection
530M A30001 - A30038 32628	PB9765 PC0834 PC1159	PC1894	 71177
HD1500-5 A30039 & UP	PC0631 PC1160 PC1711	PC1876	 71178