

PARTS & SERVICE NEWS

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This **PARTS & SERVICE NEWS** supersedes AA97149 dated September 11, 1997 and should be discarded.

SUBJECT: LIFT PUMPS, INTERFERENCE AND CHECK VALVE SWELLING ISSUES

PURPOSE: To address interference and check valve swelling issue in the lift pumps

APPLICATION: 6D114 and 6D102 series diesel engines (Refer to AA97079 for chassis applications and applicable serial numbers)

FAILURE CODE: A7H013

DESCRIPTION:

Introduction:

When an interference issue results, or check valve swelling use the appropriate new pump to resolve the issue. Table 1 lists the supersession from AC Rochester to Federal Mogul. These pumps are a direct supersession on all applications.

SUPPRESSION CHART

OLD NUMBER	REPLACEMENT NUMBER	NEW NUMBER
1304 859 H1	6735-71-1710	6735-71-1720
1294 810 H	1310 354 H1	6732-71-6590
6732-71-6350	6732-71-6580	6732-71-6610

The new pump design will incorporate new seals and check valve material resistant to Di-Aromatic to correct swelling issues. The new pump will also correct broken spring issues and chirping noises. The broken spring issue will be corrected with a conical shaped spring. The conical shape prevents the spring from contacting the edge of the piston and causing stress riser. The chirping noise will be corrected by a mirror ground finish on the tappet. The new finish promotes constant rotation of the tappet. The cause of the chirping was due to erratic tappet rotation only on the 102 series engine.

The new pump supplier has printed a date code and the last four digits of the part number on the mounting flange of the pump. The part number is the larger size of the two groups.

NOTE: This is a product improvement, **not** subject to campaign REF: CSPT98T5-2ILT:jme