

Service Letter

Service Letter No. 427 February, 1995

SUBJECT: Recognizing POWER-LASH® Failures

MODELS AFFECTED: 317B, 317C, 317D, 317E, 310, 310A

Jacobs has seen instances of undiagnosed POWER-LASH® failures being reinstalled on engines and causing unnecessary downtime and damage to the engine. There are two different symptoms of POWER-LASH® failures.

1. If an engine brake housing is found with a slave piston retaining ring (P/N 011284) or spring retainer (P/N 013500) bent or pushed out of the housing, be sure to replace the POWER-LASH® (P/N 019670 for 317C, 317E, 310 and 310A and P/N 019460 for 317B and 317D) in all 6 cylinders, as well as the damaged retaining parts. If the retaining ring groove in the housing is damaged, the affected housing assembly must be replaced along with the other four POWER-LASH® assemblies. Also, inspect the pin and screw assembly (P/N 014676) in the affected exhaust bridge for damage. If it is damaged (the end of the pin is broken), replace the pin and screw assembly as instructed in Service Letter No. 409.



FAILURE TO REPLACE A FAILED POWER-LASH® MAY RESULT IN ENGINE DAMAGE.

2. If excessive oil leakage is found coming from the control valve bore of the housing (pulsing or squirting oil), inspect **both** POWER-LASH® assemblies in that housing for breakage or disassembly. Replace all 6 POWER-LASH® assemblies if any failure is found.

This is a Jacobs product advisory and not subject to campaign.