

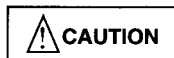
Service Letter

Service Letter No. 421 December, 1994

SUBJECT: New Control Valve Cover/Spacer and Inner Spring

MODELS AFFECTED: 349A

Jacobs released a control valve spacer/cover, P/N 020361, for the Model 349A in August, 1994 (starting with brake serial number J017768). The new design replaces the control valve cover, P/N 014928, and outer control valve spring, P/N 011434, and prevents the control valve from over-indexing. Note that in the Model 349A any unusually high oil supply pressures are vented through the POWER-LASH® bleed hole in the slave piston. The high pressure relief function of the control valve outer spring is not necessary on the Model 349A



THE SPACER/COVER, P/N 020361, MAY NOT BE USED ON OTHER ENGINE RETARDER MODELS.

The new spacer/cover requires the use of a different retaining ring, P/N 020513, which replaces the retaining ring, P/N 015561.

A new Control Valve Group, P/N 020541, is also available which contains the control valve spring, spacer/cover.

When a failure of the inner control valve spring is found, Jacobs recommends that all of the control valves, spacer/covers, inner springs and retaining rings be replaced with new parts (3 of each per housing), and that the housings be cleaned according to Service Letter No. 414.

Any inventory of the outer spring, P/N 011434, the cover, P/N 014928, and the retaining ring, P/N 015561, is to be used for other models.

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



Old Control Valve Assembly



New Control Valve Assembly