



## **Jacobs Engine Brake™ Service Letter E462**

**SUBJECT: Control Valve Spring Configuration.**

**MODELS AFFECTED: 349 and 349A**

**DATE: June 20, 1997**

### **Introduction**

Jacobs has introduced a new control valve spring group for model 349 and 349A engine brakes. This new group provides improved durability and component retention.

### **Impact**

This configuration should be used for all control valve spring related repairs on all 349 and 349A engine brakes. When a control valve spring related repair is required, a P/N 024640 control valve spring group should be used to update all six control valve systems. This service letter replaces services letters 421, 444, 448, and 451.

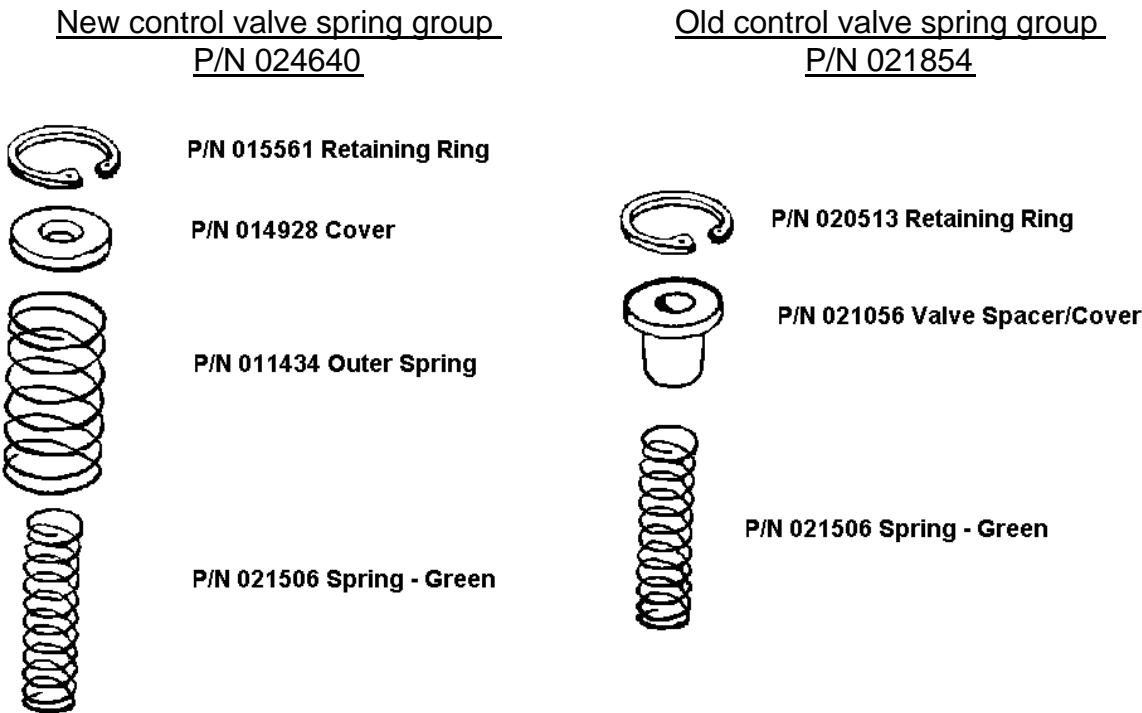
### **Availability**

	Description	Orders Accepted	Product Available
Part number			
015561	Retaining Ring	Immediately	Immediately
014928	Control Valve Cover	Immediately	Immediately
011434	Outer Spring	Immediately	Immediately
021506	Inner Spring - Green	Immediately	Immediately
024640	Control Valve Spring Group	Immediately	Immediately

**SERVICE LETTER E462**

**Service Information** \_\_\_\_\_

This new configuration should be used on Jacobs models 349 and 349A. To provide maximum component retention, retaining ring P/N 015561 must be installed with the sharp edge facing up. This provides maximum engagement with the snap ring groove. One control valve group, P/N 024640 is required per engine.



**Obsolescence** \_\_\_\_\_

The model 349/349A Tune-up Kit, P/N 019461 (revision “M”) now includes the latest parts. Tune-up kits P/N 019461, revisions “L” and earlier, and P/N 020898 (French Version) are obsolete. The old Control Valve spring group P/N 21854 and the Control Valve Spacer/Cover P/N 021056 are now obsolete.

The Caterpillar Distribution Kit, P/N 020736 (revision “J”), contains the new parts. Obsolete parts contained in earlier distribution kits should be returned individually. Do not return the entire distribution kit.

**Warranty Information** \_\_\_\_\_

The Standard Jacobs Warranty applies, refer to warranty procedures P/N 21090.

In order to qualify for warranty reimbursement, when a problem is discovered with any part of the control valve system, the Control Valve Spring Group (P/N 024640) must be installed in all 6 control valve bores.

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