



## **Jacobs Engine Brake™ Service Letter E474**

**SUBJECT: New Brake Model for 1998 Caterpillar 3406E engines**

**MODELS AFFECTED: Caterpillar 340B**

**DATE: March 11, 1998**

### **Introduction**

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Jacobs Vehicle Systems is pleased to announce the release of a new revision engine brake for use on 1998 Caterpillar 3406E series engines. The principal changes include a new Auto-Lash® assembly and different slave piston clearance (lash) settings. This Service Letter also revises some incorrect metric lash settings provided in the 340 Series Installation Manual, P/N 019950, revised 12/97.

### **Impact**

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The Model 340B engine brake is required for use on 1998 Caterpillar 3406E 14.6 and 15.8 liter engines, serial number prefixes 1LW, 5DS, and 9AP. The Model 340A engine brake and lash settings should continue to be used for 1997 and earlier Caterpillar 3406E 14.6 liter engines, serial number prefixes 5EK and 6TS.

### **Availability**

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All parts listed in the “New Part Numbers” section are available for immediate delivery.

### **New Part Numbers**

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<b>Part Number</b>	<b>Description</b>
024443	Model 340B base kit (12VDC)
024444	Model 340B housing (12VDC)
024449	Model 340B base kit (24VDC)
024450	Model 340B housing (24VDC)
024456	Auto-Lash Assembly
024465	Feeler gage, 0.033” (0.838 mm)
024999	Feeler gage, 0.037” (0.940 mm)
019950	340 Series Installation Manual (rev. B, printed 12/97)
019955	340 Series Parts Manual (rev. B, printed 12/97)

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## Service Information

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New slave piston lash settings are required for 1998 engines. Please refer to the following table for appropriate setting. Please note that the lash settings below revise some incorrect metric lash setting conversions listed in the 340 Series Installation Manual, P/N 019950, revised 12/97.

<b>Lash Adjustment for Jacobs Engine Brake™ Series 340</b>					
<b>Engine S/N</b>	<b>Engine Displacement</b>	<b>Engine Brake Model</b>	<b>Horsepower</b>	<b>Lash Setting</b>	<b>Lash Adjustment Tool</b>
5EK Up to S/N 01820	14.6L	340	ALL	0.030" (0.762 mm)	019954
5EK	14.6L	340A	410 and Under	0.027" (0.686 mm)	003912
			435 and Over	0.030" (0.762 mm)	019954
6TS	14.6L	340A	410 and Under	0.027" (0.686 mm)	003912
			435 and Over	0.030" (0.762 mm)	019954
1LW	14.6L	340B	410 and Under	0.033" (0.838 mm)	024465
			435 and Over	0.027" (0.686 mm)	003912
9AP	14.6L	340B	ALL	0.037" (0.940 mm)	024999
5DS	15.8L	340B	ALL	0.037" (0.940 mm)	024999

## Obsolescence

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No parts have been made obsolete as a result of this release.

## Warranty Information

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The Standard Jacobs Warranty applies.

This is a Jacobs Vehicle Systems new product introduction. No products are subject to campaign as a result of this introduction.

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