



Jacobs Engine Brake™ Service Letter E471

SUBJECT: New Engine Brake Models for 1998 DDC S-50, S-60

MODELS AFFECTED: DDC Models 750A and 765A

DATE: March 2, 1998

Introduction _____

Jacobs Vehicle Systems is pleased to announce the release of new revision engine brakes for the 8.5 L Series 50 and the 12.7 L Series 60 engines. Changes include a new lash setting, a screw terminal on the solenoid and improvements to the housing casting.

Impact _____

Model 750A engine brakes can only be used with 1998 and newer Detroit Diesel 8.5 L Series 50 engines. Model 765A engine brakes can only be used with 1998 and newer Detroit Diesel 12.7 L Series 60 engines. 1997 and older Detroit Diesel Series 50 and Series 60 engines require Models 750 and 765 engine brakes respectively.

Availability _____

All parts listed below in the New Part Numbers section are available immediately for delivery.

New Part Numbers _____

Part Number	Description
025355	750A 12V S/S* Kit
025337	750A 24V S/S Kit
025242	750A 12V S/S Housing Assembly
025287	750A 24V S/S Housing Assembly
025326	765A 12V S/S 3 Housing Kit
025333	765A 24V S/S 3 Housing Kit
025321	765A 12V S/S 2 Housing Kit
025323	765A 24V S/S 2 Housing Kit

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025231	765A 12V S/S Housing Assembly (For 3 Housing Applications)
025279	765A 24V S/S Housing Assembly (For 3 Housing Applications)
025283	765A 12V S/S Housing Assembly (For 2 Housing Applications)
025281	765A 12V S/S Housing Assembly (For 2 Housing Applications)
01-024612	Solenoid Valve 12V S/S
01-024619	Solenoid Valve 24V S/S
024918	DDEC II Engine Control Group 3 Housing Application – Screw Terminal
024920	DDEC II Engine Control Group 2 Housing Application – Screw Terminal
024917	DDEC III, DDEC IV Engine Control Group 3 Housing Application – Screw Terminal
024919	DDEC III, DDEC IV Engine Control Group 2 Housing Application – Screw Terminal
025681	Special 5/8" OD Power-lash® (See Service Information Below for Application)
025397	Feeler Gage 0.023"

*S/S = Single lead solenoid with screw terminal

Service Information

All 1998 Detroit Diesel engines with Model 750A or 765A engine brakes have a lash setting of 0.023. This is a change from 1997 and earlier models. This setting is marked on the nameplate on the top of the housing.

Early 750A and 765A housings were produced with a 5/8" diameter thread for the slave piston adjusting screw. These housings require the special 5/8" OD Power-lash (P/N 025681). Housings produced after January 21, 1998 have a 1/2" diameter thread, and use the standard Power-lash (P/N 020382). Be sure to inspect the screw diameter when ordering replacement parts.

Obsolescence

No parts have become obsolete as a result of this product release.

Warranty Information

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.