



Jacobs Engine Brake™ Service Letter E464

SUBJECT: New Style Solenoids

MODELS AFFECTED: 750,760,760A,765

DATE: Oct. 19, 1997

Introduction

This is a product improvement for the Detroit Diesel series 50 and series 60 engine brakes. The existing solenoids have been replaced with new improved solenoids. The replacements have an increased installation torque and improved durability.

Impact

When replacing a failed solenoid the new part number should be ordered. Please make note of the following changes:

Old Jacobs P/N

Replacement Jacobs P/N

016440 12 Volt Solenoid S/L
016441 24 Volt Solenoid S/L
016442 24 Volt Solenoid D/L

01-021252 12 Volt Solenoid S/L
01-021254 24 Volt Solenoid S/L
01-021253 24 Volt Solenoid D/L

Note: When using the new part number solenoid you **MUST** use upper seal ring with a yellow stripe. P/N 020229 upper seal rings are identical with upper seal ring P/N 001081 (Rev M) with the yellow stripe. These two parts may be used interchangeably.

Availability

The following part numbers will be available as follows:

<u>Jacobs P/N</u>	<u>Description</u>	<u>Availability</u>
01-021252	12 Volt Solenoid Single lead	immediately
01-021254	24 Volt Solenoid Single lead	immediately
01-021253	24 Volt Solenoid Dual Lead	immediately
01-020229	Upper Seal	immediately

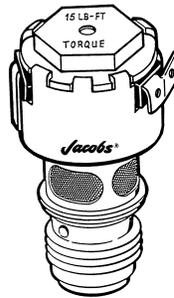
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Service Information

The new Solenoid is completely interchangeable with the old style solenoid. Jacobs recommends replacing all seals whenever a solenoid is removed.



OLD STYLE



NEW STYLE

There are three installation procedures that have changed. These are:

1. When installing the new style solenoid a 3/4" 6 pt socket is to be used.
2. The installation torque has change from 100-120 lb.-in. (11.3 -13.6 N•m) to 14-16 lb.-ft. (19.0 - 21.7 N•m).
3. The upper seal has changed. Part number 020229 is to be used and can be identified by a yellow stripe.

Obsolescence

Part numbers 016440, and 016641 will continue to be available for use in other models.

Part number 001081 prior to Rev M (will not have yellow stripe) are obsolete and should be returned for credit through standard return procedures.

Current Orders

Current orders will be filled as ordered. The affected part numbers are not obsolete.

Warranty Information

The Standard Jacob's Warranty applies, refer to Warranty Procedure P/N21090.

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

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