



Jacobs Engine Brake™ Service Letter E468

SUBJECT: NEW SOLENOID VALVES AND SEAL

MODELS AFFECTED: Cummins 20, 25B, 30E, 401B, 401C, 404, 404B, 425, 425A, 430/420, 903

DATE: Oct. 16, 1997

Introduction

New Solenoid Valves have been released for the engine brake models listed above. The new Solenoid valves incorporate new design features for improved alignment and better retention of the upper seal. The inside diameter of upper seal P/N 1081 has also changed. This new revision seal can be identified by a yellow stripe.

Impact

The new style solenoid valves can be used as the replacement part whenever a solenoid valve failure occurs. They are direct replacements for the previous solenoid valves. The upper seal shoulder has changed and care should be taken to ensure that the new seal with the yellow stripe is used with the new solenoid.

New style solenoid valves can be identified by the revision level as shown in the table below.

<u>Part Description</u>	<u>New Part Number</u>	<u>Old Part Number</u>	<u>Comments</u>
Seal Ring	001081 Rev M	001081 Rev L	yellow stripe
Solenoid Screen	020227	001282	
Screen Retainer	020228	001283	
Solenoid Valve	016440 Rev G	016440 Rev F	New upper seal shoulder
Solenoid Valve	016441 Rev G	016441 Rev F	New upper seal shoulder
Solenoid Valve	016442 Rev H	016442 Rev G	New upper seal shoulder

Note: P/N 001081 (Rev M) upper seal rings with yellow stripe are now identical with upper seal ring P/N 020229. These two parts may be used interchangeably.

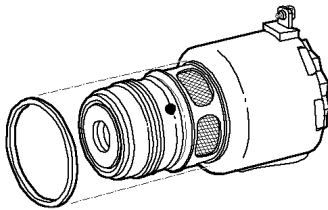
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Availability _____

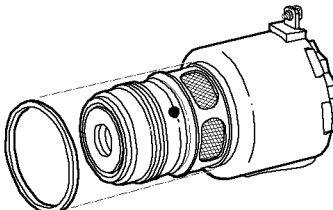
<u>Part Number</u>	<u>Description</u>	<u>Orders Accepted</u>	<u>Available</u>
001081 rev M	Seal Ring -UPPER	immediately	immediately
020227	Solenoid Screen	immediately	immediately
020228	Screen Retainer	immediately	immediately
016440 rev G	Solenoid (12VDC) S\L Blade	immediately	immediately
016441 rev G	Solenoid (24VDC) S\L Blade	immediately	immediately
016442 rev H	Solenoid (24VDC) S\L Blade	immediately	immediately

Service Information _____

The new solenoid is directly interchangeable with the old style solenoid. When replacing a solenoid the new style can be used. Replace all seals whenever a solenoid is removed.



Old Style



New Style

Obsolescence _____

Inventory of solenoids is not obsolete and can be used for other models.

The following is obsolete and should be returned for credit :
P/N 01081 upper solenoid seal without a yellow stripe.

The following are discontinued returns will be accepted however existing inventory can be used:

P/N 001282 Screen, Solenoid

P/N 001283 Retainer, Solenoid screen

Warranty Information _____

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

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