



PRODUCT UPDATE

Number 12

HYDRAULIC MOTOR SEAL SUPPORT SPACER

The Seal Support Spacer is designed to provide additional support for the cartridge type (L) hydraulic motor seal. The retaining ring is removed from the hydraulic motor when the spacer is installed allowing the hydraulic seal to rest directly against the Seal Support Spacer.

Pressure spikes in excess of 3000 PSI may occur when hydraulic oil is returned to the hydraulic valve and the pump is turned off in the NEUTRAL position. The spacer supports the motor seal during momentary spikes and prevents seal case distortion, which results in seal leakage.

Using the cartridge type seal with the Seal Support Spacer will prevent seal failures when returning hydraulic oil to most hydraulic valves. However, the following procedures are recommended:

1. Return hydraulic oil to a low pressure return port. This prevents damaging back pressure or pressure spikes which can result from returning oil to the hydraulic valves. Consult your tractor dealership for availability on your tractor model.
2. Always turn the pump off in the FLOAT position to prevent harmful pressure spikes from damaging the motor seal.
3. Consult the Ace Hydraulic Pump Selection Guide or your tractor dealership to determine the proper method for regulating the flow of hydraulic oil to your pump.

The seal support spacer is standard equipment on pumps with the serial number date code of 0600 and later. The serial number can be found on the tag located under one of the volute bolts on the pump. The date code portion of the serial number is digits 6 through 9 (Example: Serial Number 4985906003245 manufactured in June of 2000).

The spacer is only for use on hydraulic motors equipped with the cartridge type (L) lip seal. The L seal motor designation may be determined by looking at the part number on the motor name plate (i.e. BAC-75-HYD-206L). The spacer should not be used on motors equipped with the quad ring shaft seal. An upgrade kit is available for pumps with date codes prior to 0600 that are equipped with a cartridge type motor seal.

PART NUMBER	PUMP MODELS
S200	FMC-HYD-202, FMC-HYD-203 FMC-HYD-204, FMC-HYD-210 FMC-150-HYD-206 FMC-200-HYD-210
S300	FMC-200-HYD-304

