

Section XI
Model 23
Loader and Backhoe
Service Manual

9-70011H

Reprinted



Then remove hoses and fittings at pump.

Remove pump mounting cap screws and slide pump from coupling.

Plug all openings and clean exterior of pump thoroughly with solvent.

NOTE!

REMEMBER DIRT IS THE ENEMY OF ANY HYDRAULIC SYSTEM. THE BEST WAY TO FIGHT THIS ENEMY IS TO PREVENT ITS ENTRY INTO THE SYSTEM. MAKE SURE YOU DISASSEMBLE AND REASSEMBLE THIS PUMP IN SPOTLESSLY CLEAN SURROUNDINGS.

SERVICING HYDRAULIC PUMPS

To properly service the Webster hydraulic pump, the following tools are recommended.

Description	Kent-Moore No.
Seal Driver	J8544
Handle for item 1	J7079-2
Shaft Thimble	J8541

All items are provided in the Kent-Moore Tool Kit J8566. All tools are available from your Case branch or Central Service in Racine.

REFERRING TO FIGURE 12: The pilot plate and wiper seal, the driveshaft and front ball bearing may be serviced without disassembling the pump sections.

Place marks on both the pump body and the pilot plate to insure reassembly in the same location.

Slip a protective sleeve over the shaft spline or wrap with masking tape. Kent-Moore shaft thimble (part no. J-8541) is very satisfactory for this application.

Remove the four flat head machine screws and lift the pilot plate from the pump.

REFERRING TO FIGURE 13: Inspect the wiper and, if necessary, remove the seal. Using a 1-3/8 inch diameter rod as a driver, remove seal from plate.

The wiper seal also functions as a low pressure driveshaft seal.

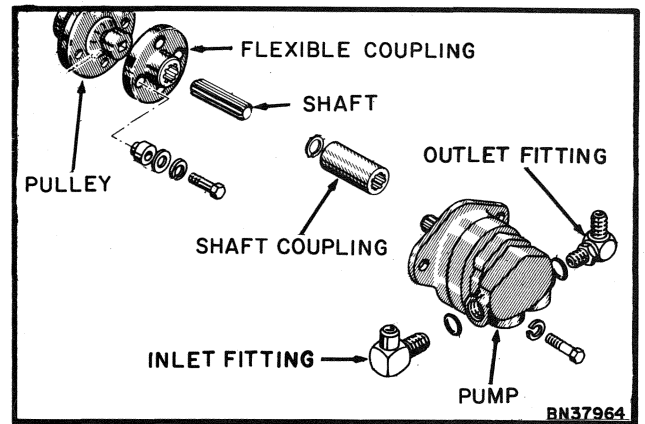


Figure 11 - Pump Driveshaft and Coupling

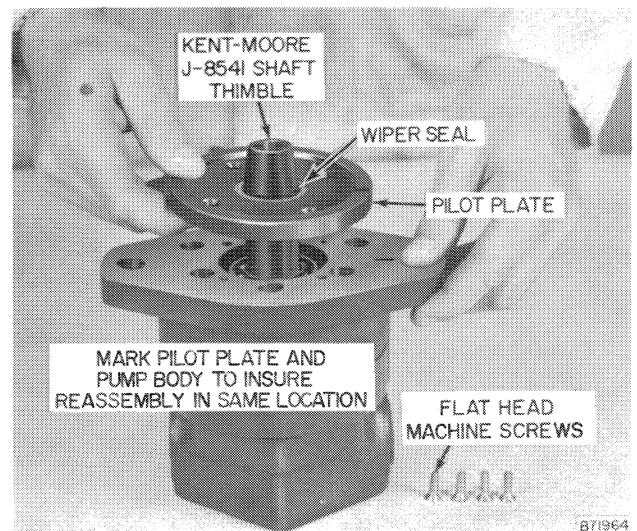


Figure 12 - Removing Pilot Plate

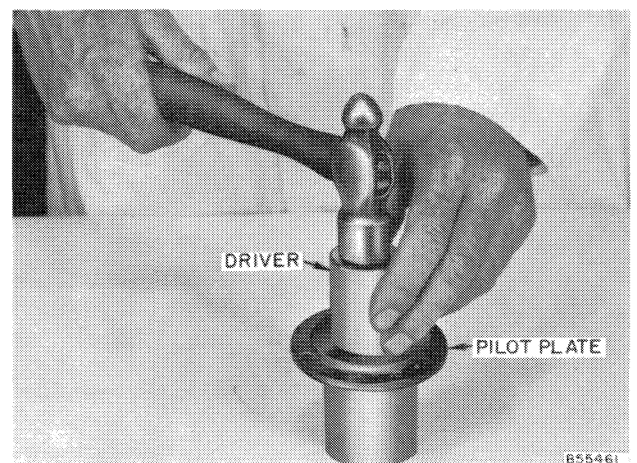


Figure 13 - Removing Wiper Seal

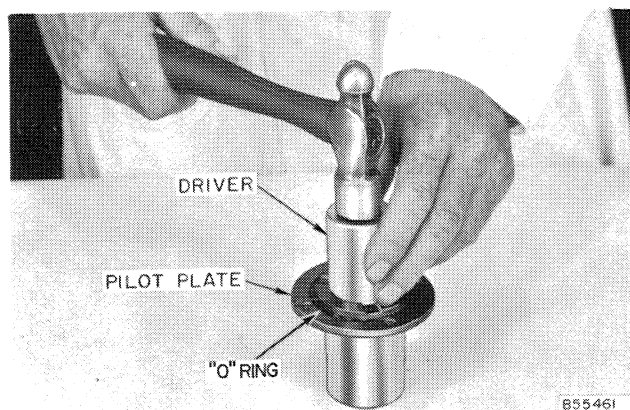


Figure 14 - Installing New Wiper Seal

REFERRING TO FIGURE 14: Using Kent-Moore seal driver (Part number J-8544) with handle (Part number J-7079-2), install new wiper seal. When installing the seal, have the side of the seal with the largest metal covering down.

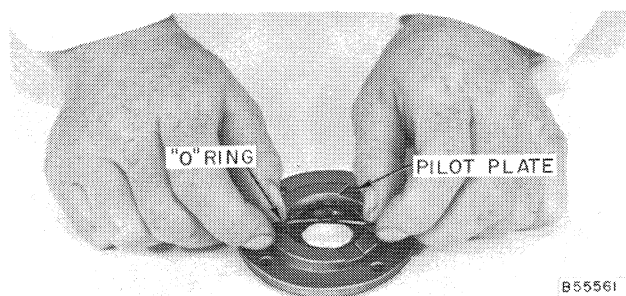


Figure 15 - Removing Pilot Plate "O" Ring

REFERRING TO FIGURE 15: Inspect the "O" ring for nicks or extrusion and, if necessary, install a new "O" ring. Coat the replacement "O" ring with oil or light grease and carefully install on pilot plate. BE CAREFUL - Do not roll the "O" ring into position.

If the pump is to be further serviced, follow instructions below. Otherwise, install the pilot plate as shown in Figure 16.

REFERRING TO FIGURE 16: Wrap pump shaft splines with masking tape or use Kent-Moore seal protector (J-8541) to protect the wiper seal during installation.

Liberalily coat the wiper seal with oil or light grease and slide into position, then remove tape or protector. Note position of marks placed on pump and line up pump body and pilot plate.

Install the four flat head machine screws and tighten securely.

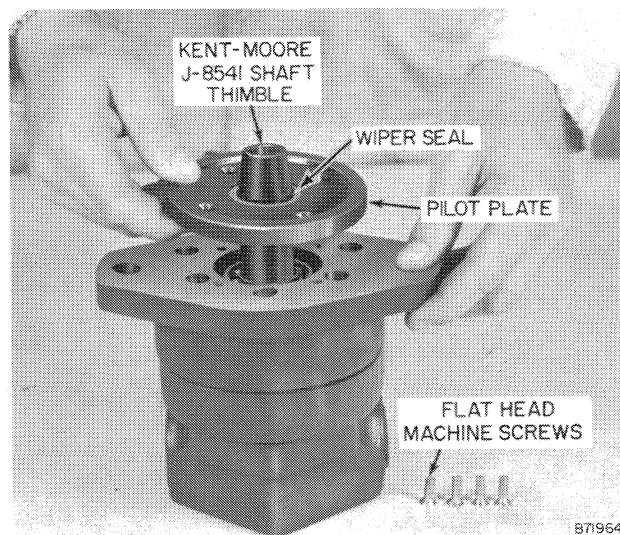


Figure 16 - Installing Pilot Plate

REFERRING TO FIGURE 17: After the pilot plate has been removed (See Figure 15), lift the driveshaft with attached ball bearing, from the pump. Carefully examine the shaft for wear on both splines and the wiper seal surface.

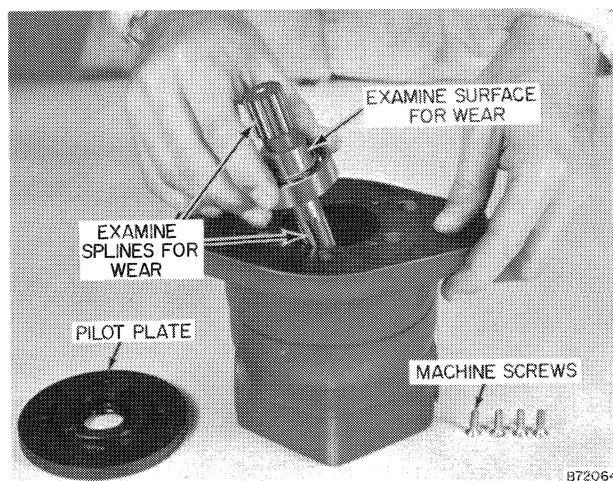


Figure 17 - Removing Driveshaft - Ball Bearing Assembly

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