

REMOVAL, INSPECTION AND ASSEMBLY OF THE CYLINDER BLOCK BDP-10A/16A/21L

Disassembly

- 1) Tilt the BDP on its side, drain remaining oil. Lift out the cylinder block assembly (38).
- 2) Remove the pistons, springs and piston seats.

Inspection

- 1) Inspect the running surface of the cylinder block and piston ends for damage, nicks or unusual wear patterns. The running surface may show evidence of minor abrasion. This will be normal wear. If grooved or smeared, replace with a new cylinder block assembly.
- 2) Inspect the piston springs for distortion or breakage. If necessary, replace with new cylinder block kit.
- 3) Inspect the piston seats. Residual oil may cause these to remain stuck to the inside of the pistons.

Assembly

- 1) Install piston seats into the end of the pistons.
- 2) Install springs into the pistons.
- 3) Install one at a time; pistons, springs and seats as one assembly into the cylinder block.
- 4) With the BDP housing tilted on its side, install the cylinder block assembly (38) with pistons contacting the thrust bearing.

Figure 10

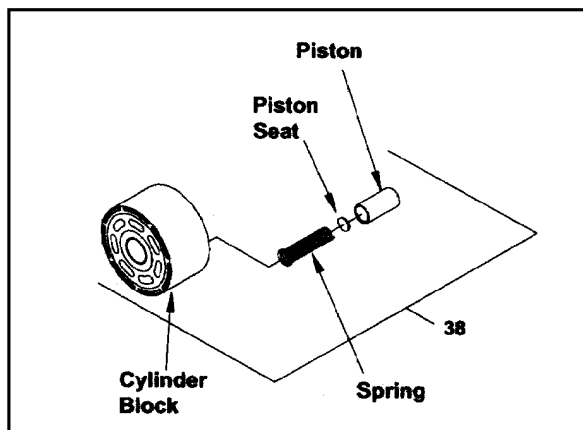


Figure 10

NOTE: To check piston placement is correct, push downward on the cylinder block assembly (38). If it results with a spring action, the block has been assembled correctly without pistons slipping out. If this cannot be accomplished, place a rubber band around the cylinder block pistons to hold them in position during installation. Then, after installation, cut the rubber band and remove it. Check for piston spring action.