# **PUSH RODS, LIFTERS AND COVERS**

#### REMOVAL OVERVIEW

See 3.16 TOP END OVERHAUL: DISASSEMBLY.

- Remove breather assembly.
- Remove rocker arm support plate.
- Remove push rods, lifters and covers.

#### DISASSEMBLY

See Figure 3-78. With the exception of the lifter covers, all parts should have been disassembled and marked during the removal procedure. Disassemble the lifter covers as follows:

- Separate upper (2) and lower push rod covers (8).
- Remove o-ring (9) from seat at bottom of lower push rod cover. Discard o-ring.
- Remove o-ring (1) from seat at top of upper push rod cover. Slide o-ring (7), flat washer (6), spring (5) and spring cap (4) from body of upper push rod cover (2). Discard orings.

#### CLEANING AND INSPECTION

- See Figure 3-78. Scrape old gasket material from the lifter cover (11) flange. Old gasket material left on mating surfaces will cause leaks.
- With the exception of the hydraulic lifters (14), clean all parts in a non-volatile cleaning solution or solvent. Verify that the o-ring seats and contact surfaces of the push rod covers (2, 8) are completely clean.

#### AWARNING

Compressed air can pierce the skin and flying debris from compressed air could cause serious eye injury. Wear safety glasses when working with compressed air. Never use your hand to check for air leaks or to determine air flow rates. (00061a)

- Blow parts dry with low pressure compressed air. Verify that all oil holes are clean and open.
- Verify that the hydraulic lifter rollers turn freely and are free of flat spots, scuff marks and pitting. If flat spots exist, examine the cam lobe on which the lifter operates.
- Inspect the lifter socket for signs of wear. Verify that the plunger of the hydraulic lifter is fully extended up against the C-clip. Use index finger to pump plunger to verify lifter operation.
- Examine the push rods (15). Replace any push rods that are bent, dented, broken or discolored. Replace the rod if the ball ends show signs of excessive wear or damage.
- Cover all parts with a clean plastic sheet to protect them from dust and dirt.



Figure 3-78. Push Rods, Lifters and Covers

# **Harley Davidson Fxdb Service Manuals**

**RS Peters** 

#### **Harley Davidson Fxdb Service Manuals:**

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