

Checking Push Rods OM 636

Change: Instructions revised

Job No.

05-3

Push rods with worn ball caps and ball heads must be replaced.

Check alignment of push rod. To do this, clamp a tappet (1) in the jaw chuck of a lathe, and a ball head pin (3) in a drill chuck in the tailstock. Then mount the push rod (2) between the tappet (1) and ball head pin (3) without tension (see Figure 05-3/1). Turn the push rod (2) by hand and measure the deflection at 2-3 points of the push rod between the tappet and the ball head pin with a gauge (see Figure 05-3/1).

Permissible deflection = 0.6 mm.

Push rods considerably out of round can be repaired.

Add graphited oil when installing ball sockets and ball head.

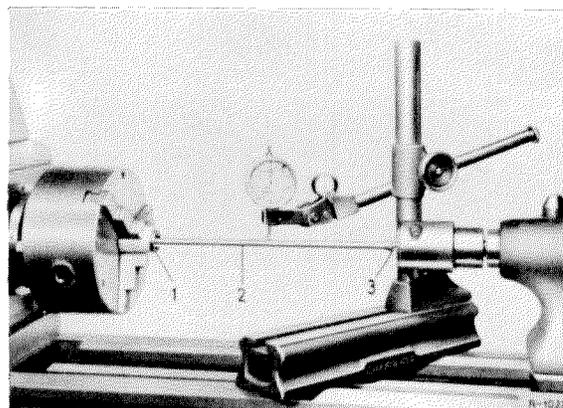


Figure 05-3/1

- 1 Tappet
- 2 Push rod
- 3 Ball head pin

Permissible out of round of new push rods measured on the stem when held in ball socket and on ball head radius = 0.3 mm.