H. Testing of Rocker Arm and Rocker Arm Mounting

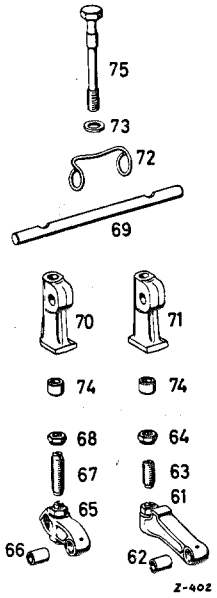

Fig. 05 — 5/14

61 Rocker arm for inlet
62 Bushing
63 Adjusting screw
64 Hexagon nut
65 Rocker arm for exhaust
66 Bushing
67 Adjusting screw
68 Hexagon nut
69 Rocker arm shaft
70 Rocker arm block for No. 1 and No. 3 cylinders
71 Rocker arm block for No. 2 and No. 4 cylinders
72 Spring clamp
73 Washer
74 Guide sleeve
75 Stretch screw

Rocker Arm Mounting

Measurements in mm

Base bore in rocker arm	External diameter of bushing	Rough-turning dimension of bushing Internal diameter	Finish dimension of bushing Internal diameter	Rocker arm shaft diameter	Bore in rocker arm block
12.000 / 12.018	12.039 / 12.028	9.6	10.000 / 10.015	9.987 / 9.972	9.985 / 10.000

Tightening torque of the stretch screws (75) = 3.75 mkg.

Rocker Arms

1. Check the contact surfaces of the rocker arms. If the contact surfaces are badly worn, the rocker arms should be replaced.

2. Check the bore of the rocker arms. Worn bushings should be replaced.

   Press out the old bushing and press in a new bushing.

   Do not finish-turn the bushing bore before the new bushing has been pressed into position.

   The bore must be parallel to the sliding surface. The permissible deviation is 0.01 over a measuring length of 100 mm.

Rocker Arm Shaft

3. Check the rocker arm shafts for wear at the bearing surfaces for the rocker arms. Worn rocker arm shafts should be replaced.

Rocker Arm Block

4. Check the bore in the rocker arm block. If the bore is worn, the rocker arm block should be replaced.