

Models 200/8, 220/8 and 250/8

The rocker arm bearing on engines for Models 200/8, 220/8 and 250/8 have been modified. The new version comprises the threaded bolt 130 055 01 74 and the ball pin 130 055 01 21. This modification results in a few facts which must be observed when walking on rocker arm bearings.

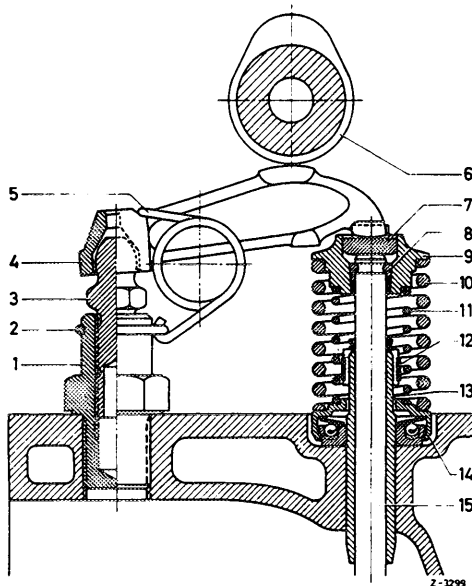


Fig. 05-4/1

- 1 Threaded bolt
- 3 Ball pin
- 7 Thrust piece

1. Differentiating Characteristics

- a) Threaded bolt (Fig. 05-4/2)
 - Threaded bolt 1st version, 130 055 00 74
from collar to upper edge, $b = 25$ mm
 - Threaded bolt 2nd version, 130 055 01 74
from collar to upper edge, $b = 24$ mm
- b) Ball pin (Fig. 05-4/3)
 - Ball pin 1st version, 100 055 00 21
total length $c = 48,5$ mm
 - Ball pin 2nd version, 130 055 01 21
total length $c = 51,5$ mm

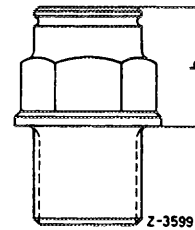


Fig. 05-4/2

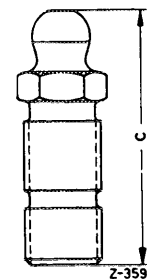


Fig. 05-4/3

2. Repair Instructions

The new ball pin may be installed in threaded bolts of the old version, unless the threaded bolt is replaced anyhow. If so, use new ball pins together with new threaded bolts.

But never use old ball pins together with new threaded bolts.

The old and shorter ball pins would not be deep enough in the new threaded bolts and the specified adjusting torque of 2.0-3.5 kp would not be attained.

Note: When installing a new ball pin and when adjusting the valve clearance, check adjusting torque with a torque wrench.

If the specified torque is not attained even when using a new threaded bolt because the ball pin must be screwed out too far, add a washer (self-made 2 mm thick at base of threaded bolt (Item 3, Fig. 05-4/4).

There is also a possibility that the ball pin will become seated in threaded bolt, so that the specified valve clearance cannot be adjusted (Fig. 05-4/5). This border case can be repaired by exchanging the thrust piece (Item 7, Fig. 05-4/1). Production

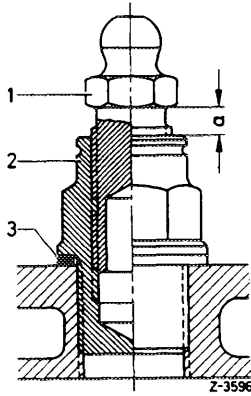


Fig. 05-4/4

- | | |
|-----------------|--------------------|
| 1 Ball pin | 3 Self-made washer |
| 2 Threaded bolt | 2 mm thick |

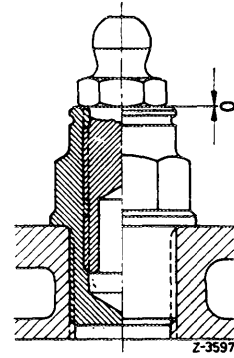


Fig. 05-4/5

engines were provided with thrust pieces 4.5 mm thick, but they are also available 3.5 mm and 2.5 mm thick (for Part No. refer to spare parts catalogs).

If the specified adjusting torque is normally not attained, that is without screwing the ball pin too far out of threaded bolt, install new threaded bolt and ball pins.