**Set Play & Check Adjustment**

1. Remove the plug.
2. Using a torque wrench (T25), depress the return spring and turn **CLOCKWISE** until it clicks 3 to 4 times.
3. Actuate the brake 5 to 10 times with a force of approximately 2 bar.
4. Forcefully push the sliding caliper in the axle direction. The play exhibited at this time must be between 0.7 and 1.3 mm. **ADJUSTMENT IS CORRECT IF PLAY IS WITHIN THIS TOLERANCE.**
5. Reinsert the plug.

**Check Caliper Bearing Play**

*We recommend this inspection is carried out every 6 months*

The lateral bearing play of the brake caliper guide pins can be checked using a dial gauge. Attach the dial gauge base to the axle beam and position the gauge facing the long guide pin bearing on the lower edge of the cylinder mounting flange (see the picture).

Move the brake caliper from side to side radially from the centre of the axle (see the picture) and measure the total displacement. If the total amount measured on the gauge exceeds 1.5 mm then the caliper guide pins and bushes must be replaced.

**Wear Shims**

When removing or replacing the brake pads it is important to follow the instruction below.

Remove both wear plates (389) from the brake anchor plate, clean the housing, and insert new wear plates.

**Brake Pad Thickness**

The brake pad thickness must be checked regularly e.g. during the tyre inflation pressure check. The intervals must not be more than 3 months.

The thickness of the remaining pad must NOT be less than 5 mm.

**Condition of the Brake Disc**

All new brake discs are 45 mm thick. Providing continuous cracks are not apparent, minimum brake disc thickness is 37 mm. Brake discs should be replaced in pairs. Brake pads should also be replaced when new brake discs are fitted.

If this instruction is not adhered to, there is a danger that braking performance could be seriously reduced.

**Brake Pad Edge Degradation**

Some edge degradation on the brake pads is allowable, however the pad must be renewed if this exceeds the limits shown in the diagram (above) or accounts for more than 10% of the pad surface.

Edge degradation can be caused by the ‘washing effect’ that the front and lower edges of the brake pad are subject to during operation. Where this degradation is considered to be a problem, the effect can be minimised by the fitting of covers.

Please contact BPW Customer Services Department for advice - 0116 281 6199.

Covers can be installed during routine servicing or inspection of the disc brakes. The minimum wear thickness for the brake pad is 5 mm.

For more detailed information please refer to the BPW Maintenance Instruction Book which is available for download: http://www.bpw.co.uk/technical.htm

For your nearest BPW parts distributor.

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