

Fig 1.

Checking Slew Bearing Backlash

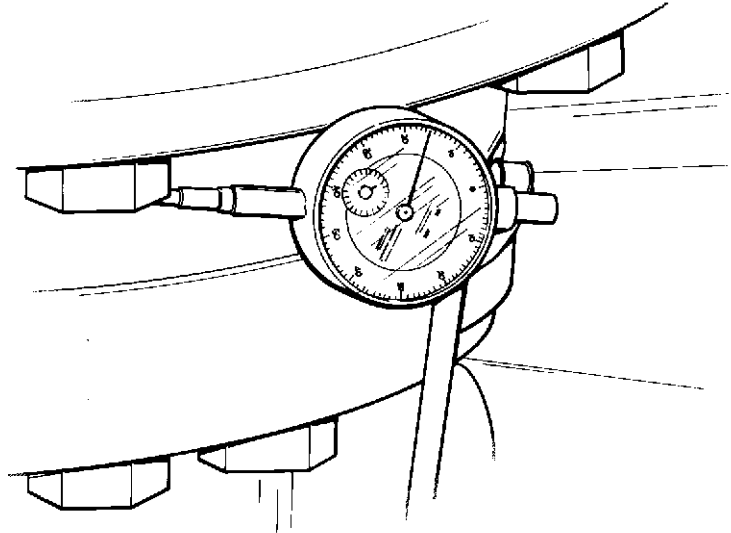


Fig 2.

- 1 Set bucket 1mtr (40 in) above ground with dipper fully extended.
- 2 Stop the machine.
- 3 Attach dial test indicator to lower half of slew bearing and set needle to bolt head on top half of slew bearing.
- 4 By hand push bucket fully to one side and hold whilst dial test indicator is set to zero.
- 5 By hand push bucket fully to other side and record measurement on dial test indicator.
- 4 By hand push bucket fully to other side and hold, make a further mark on bottom half of bearing (which is in line with original mark on top half of bearing).
- 5 Record measurement.
- 6 Contact JCB Service for correct backlash limit of use.

Alternatively

- 1 Set bucket 1mtr (40 in) above ground with dipper fully extended.
- 2 Stop machine.
- 3 By hand push bucket fully to one side and hold whilst a mark is made across the two halves of slew bearing.

Checking Slew Bearing Vertical Lift

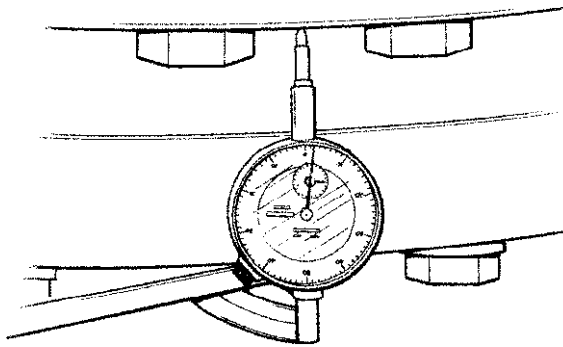


Fig 3.

- 1 First set the Dipper in a perpendicular position and position the bucket 200 mm (9 in) above the ground, stop the engine.

ZERO POINT SETTING

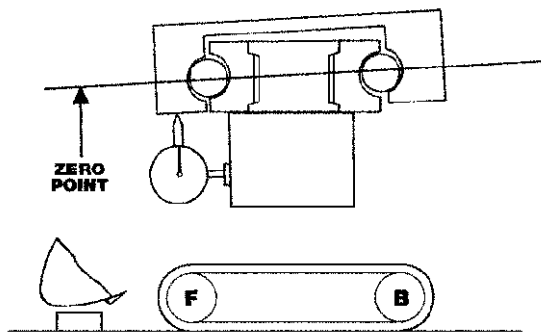


Fig 4.

- 2 Install a dial gauge and set the needle to the Zero Point

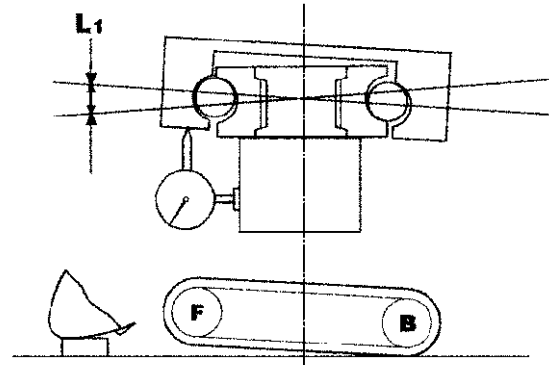


Fig 5.

- 3 Start the engine and lift the main body with the bucket, when the bottom of the shoe is 100 mm (4 in) above the ground, note the reading on the dial gauge. The needle will turn in the counter clockwise direction. This value becomes L1, lower the body to the ground and confirm the needle reads zero.

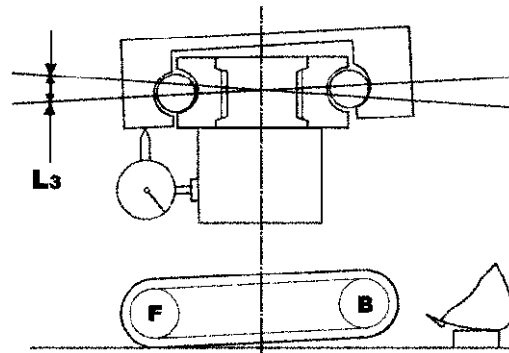


Fig 6.

- 4 Then rotate the main body 180° and repeat the procedure, this time the needle will rotate clockwise. This value becomes L3.

Note: Always stop the engine when installing or removing the dial gauge or reading the dial gauge.

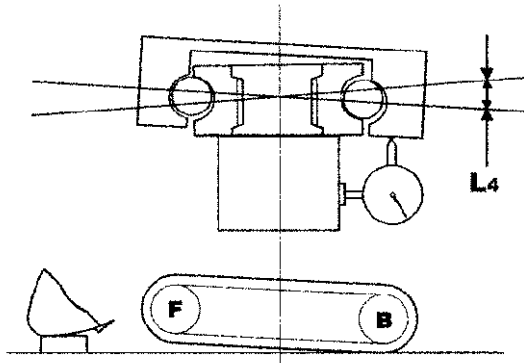


Fig 7.

- 5 Next, place the dial gauge on the rear of the vehicle and repeat the two above procedures to obtain L2 and L4.

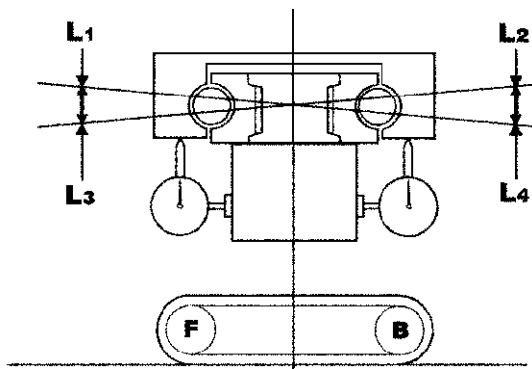


Fig 8.

- 6 The average lateral movement is shown as the result of the equation

$$\frac{L1+L2+L3+L4}{2}$$

- 7 Contact JCB Service for correct vertical lift limit of use.