

Wellsaw®

Procedure to check gear backlash on Wellsaw bandsaws.

The applies to saw models with spur type ring & pinion final drive.

- Find the six bolts that hold the Ring Gear to the Bandwheel.
- Using a dial indicator with a magnetic mount, position the indicator so that the point will contact one of the bolt heads. The indicator must be 90° to the gear (see illustration).
- The Pinion Gear must be held stationary. This can be done by holding a screwdriver in the teeth and prying against the saw frame.
- Rock the bandwheel slightly by hand and note the travel on the indicator. See specifications.
- To adjust the backlash the gearbox must be repositioned. The gearbox mounting holes are oversized for this purpose. Slightly loosen the bolts that hold the gearbox to the wheel plate and push the gearbox in the desired direction. Tighten the bolts and recheck the backlash.
- If you chose to use another method to check the recommended clearance please note that too much or too little clearance will cause damage to the ring and pinion gears.

Backlash Specification:

9.5" and 11.5" Ring Gears = .010" to .015"

13.5" Ring Gear = .015" to .020"

