



Fig 4.

Checking and Setting Procedures

Pressure Testing

All pump and valve block settings are factory set and should not normally require any adjustment, however it is necessary to check the machine's performance after initial build or refit.

***Note:** A high standard of hydraulic cleanliness is essential when working with the machine, all instrumentation used during testing must be well maintained and have a valid calibration label.*

***Note:** If you are unsure about any aspect of checking and setting the hydraulic system, advice should be sought from JCB Compact Products Ltd.*

Initial Build Performance Check

- 1 Using a digital thermometer installed at the top of the hydraulic filter, warm up the machine until the hydraulic oil temperature is at 50°C (normal operating temperature). This can be achieved quickly by operating the tracks with the machine off the ground and simultaneously powering the dozer down to the end of ram stroke.
- 2 Using an optical tachometer check the engine max speed. It should read between 2800 and 2820 rpm. The engine fuel settings are factory set. If the speed is too low, then check the cable is fully operating the lever on the injection pump. **Do not alter the adjustment screws on the engine because of exhaust emissions legislation.**
- 3 Check the low idle speed is 1050 rpm. If necessary, adjust the throttle stop screw on the pump lever.



Hydraulic Valve Block Performance

- 1 Make a visible mark on each track.
- 2 Safely raise the tracks off the ground, with the engine at maximum speed, operate one track only.
- 3 Using a stopwatch, time how long it takes for the track to complete 10 revolutions. The time should be TBA seconds (high speed mode) or TBA seconds (low speed mode).

Minimum tolerance	TBA seconds.
Maximum tolerance	TBA seconds.

- 4 With both tracks operating in the air (in high speed mode) the time for 10 revolutions should be TBA seconds.

Minimum tolerance	TBA seconds.
Maximum tolerance	TBA seconds.