

13. Wheel must spin freely without trace of tight spots (with retaining washer and screw in place.).
14. Bearing must have end play (.005" max.) (with retaining washer and screw in place).

Wow.
Slow running.
Wow.
Slow running.

15. Plane of Wheel must be square to Motor Spindle.

Slow running.
(Accompanied by scurfing of the rubber rim.)

16. Wheel must be set at correct working level (i.e., centrally disposed relative to each driving diameter of Motor Pulley.

Slow running.
Wow.
Failure of drive to engage on 78 r.p.m.

17. Wheel must clear top of Spindle (4401) when operating on 78 r.p.m.

No drive or uneven speed on 78 r.p.m.

IDLER SWIVEL ARM

18. Must pivot absolutely freely on Idler Slide Arm (4403). (End play should not exceed .005").

Low or uneven Turntable speed.
Turntable does not rotate (due to Idler Wheel failing to engage.).

(I) Bush tight on Spindle. (II) Dry bearing. (III) No end play in bearing (See Condition 14).

(I) Washer omitted (above or below bearing) causing excessive end play, permitting rim of wheel to override flange of Motor Pulley. (See Condition 10.). (II) Extra washer or incorrect washer fitted causing lack of end play and possibly tightness.
Distorted Idler Swivel Arm (4927).

(I) Rim of Idler Wheel overriding edge of step of Motor Pulley.
(II) Lower face of Idler Wheel touching face of next lower step of Motor Pulley when operating on 33½ or 45 r.p.m. (III) Idler Swivel Arm (4927) fouling Motor Frame. Correct above faults by adjusting Nut (1276) after first checking that Motor Pulley is at correct level. (See Notes at end of SECTION IV.).

(I) Incorrect setting of Spindle (4401). (See SECTION VII). (II) Incorrect adjustment of Nut (1276). (See 16 above).

(I) Holes in Idler Slide Arm (4403) through which Spindle (3010) passes out of line (due to distortion of Idler Slide Arm). (II) Spindle (3010) bent. (III) Forks of Idler Slide Arm (4403) bent or twisted and pinching boss of Idler Swivel Arm (4927). (IV) Grubscrew (1298) insecure, allowing Spindle (3010) to drop out of engagement with top fork of Idler Slide Arm (4403).

IDLER SLIDE ARM (4403)

19. Must pivot and slide absolutely freely on Spindle (4401) and be freely actuated by Spring (4442), when machine is switched on.

Low or uneven Turntable speed.
Turntable does not rotate (due to Idler Wheel failing to engage.).

(I) Holes in Idler Slide Arm (4403) through which Spindle (4401) passes out of line (due to distortion of Idler Slide Arm). (II) Spindle (4401) bent.

20. Spindle (4401) must be set at correct level in Motor Frame. (See SECTION VII).

Uneven speed on 78 r.p.m. setting.
Turntable does not rotate when on 78 r.p.m. setting.

Contact between top of Spindle (4401) and Idler Wheel 3199 when on 78 r.p.m. setting. Check operating level of both these components (See SECTION VII and SECTION XI—(17 inclusive).