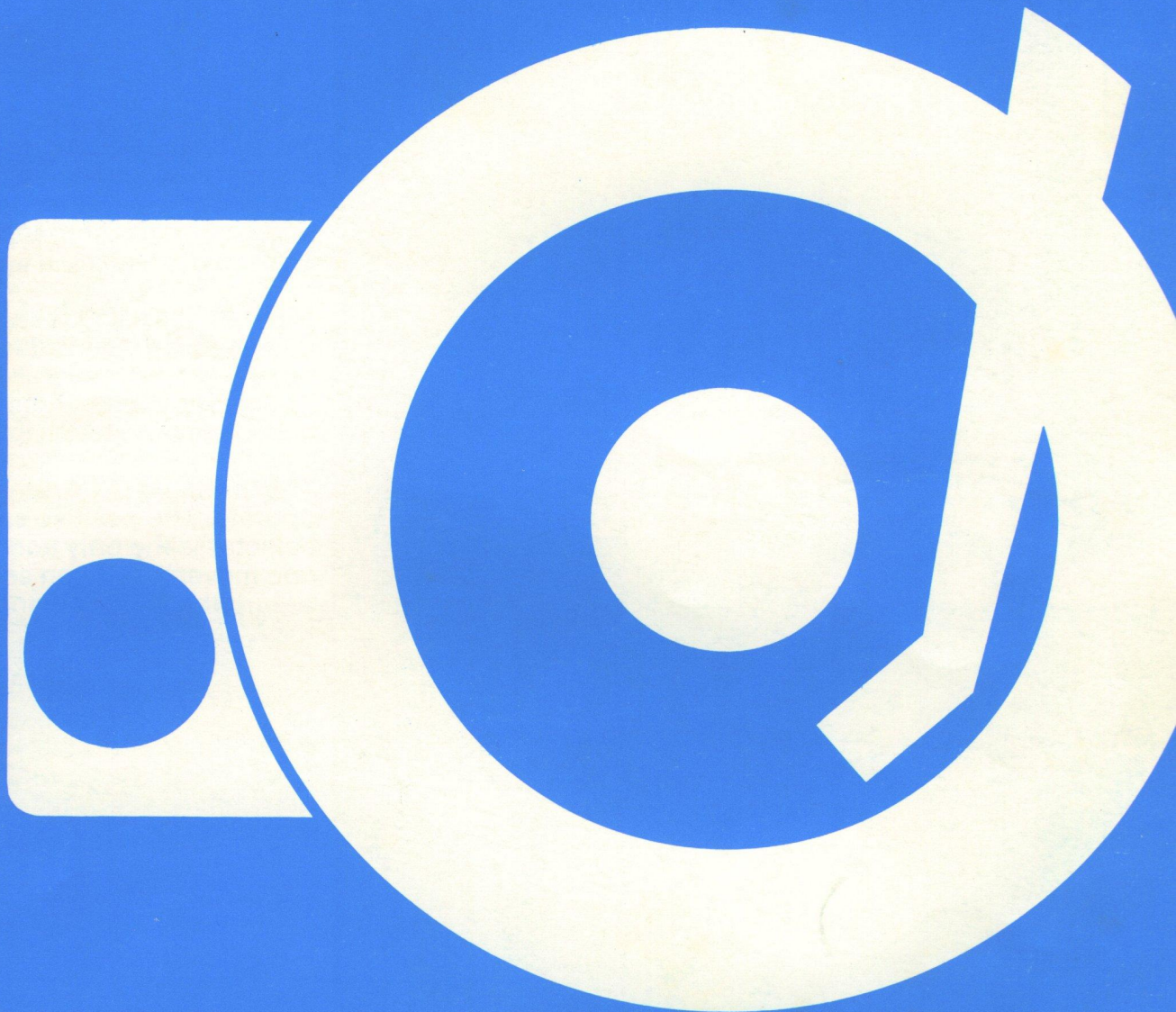


**Plessey
Components
Australia**

**Professional
P12
Studio
Turntable**



Rola Division

The Boulevard Richmond Victoria



Professional P12 Studio Turntable

The 4-speed Professional P12 Studio Turntable has been accepted as standard equipment for high quality, heavy duty operation by most national and commercial broadcasters and other professional users.

Many outstanding features have been designed into the P12 to make it robust, reliable and completely professional in its specifications. Rumble and wow and flutter are held to an absolute minimum.

The turntable is extremely simple to operate. The positive speed change selector is the only control used. With one movement it can select the speed or turn the motor off and disengage the idler wheel.

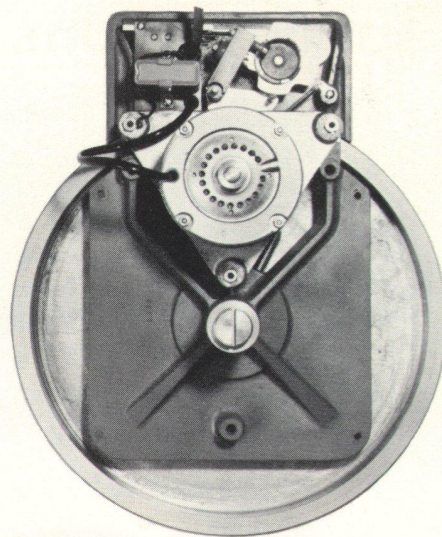
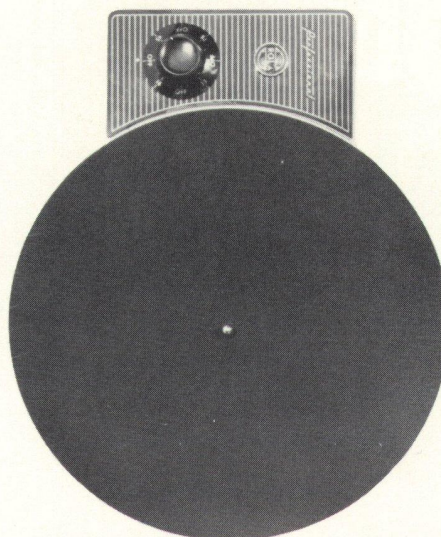
Every feature of the P12 turntable has been carefully checked to ensure optimum performance over long periods of continuous operation. Only minimum maintenance is required for complete dependability.



The top view of the turntable shows the single control knob for all drive conditions. Speed selection is simple and positive.

The underside view indicates the heavy turntable rim, the rigid cast aluminium base plate and the ingenious actuating cam for speed selection.

The side view of the P12 illustrates the robust construction throughout, the single control knob and the powerful synchronous motor. The four supporting pillars are removable prior to permanent mounting.



Mechanical design

Design simplicity and robust construction are the basic features. The turntable is a ribbed 4½ lb. stress-relieved aluminium casting with a heavy rim for maximum rigidity. All operating surfaces are machined to fine tolerances and the centre shaft of the turntable is hardened steel, precision ground and lapped for frictionless, noiseless operation.

The solid aluminium cast base plate is centred with a phosphor bronze bearing, line bored and lapped for accuracy. A precision ball bearing supports the weight of the turntable and ensures absolute minimum vibration and rumble. The turntable is powered by a high torque, synchronous motor dynamically balanced for smooth, free running. The motor shaft is precision ground and

runs in phosphor bronze bearings. The motor is mechanically isolated from the main turntable structure by shock-absorbing rubber mounts. To obtain the specified speeds a matched four-step pulley on the end of the motor shaft engages a precision ground rubber idler wheel that runs on the inside machined rim of the turntable.

Operation

Operation is extremely simple. All drive conditions are controlled by a single rotating knob that operates an ingenious actuating cam. Speed changes are exceptionally easy and positive. Between each speed is a stop position that turns the motor off and disengages the idler wheel.

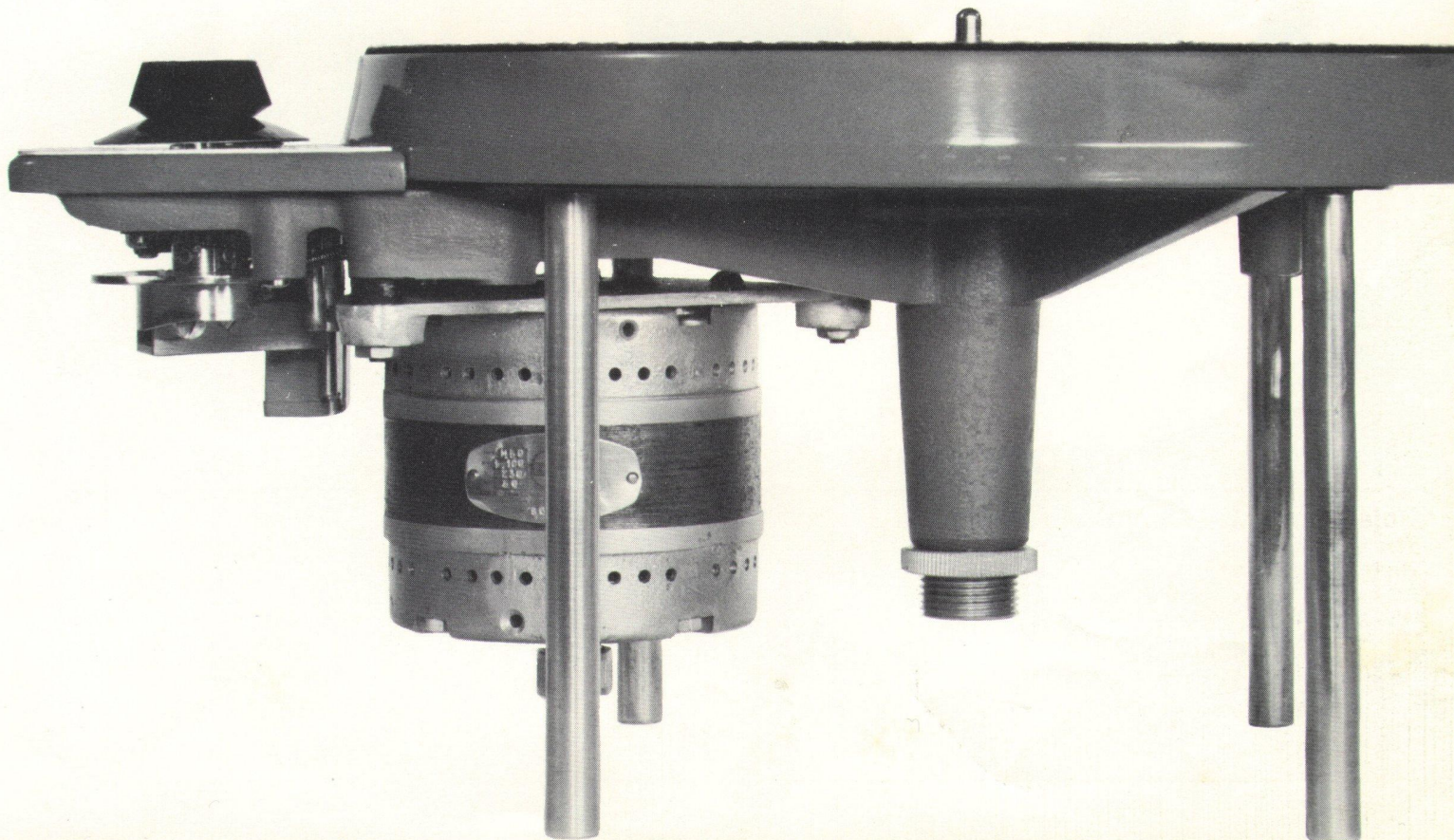
Installation

The turntable is designed for mounting on a solid base-board at least ½" thick.

All that is required to effectively mount the unit is a simple rectangular shape cut in the board and the turntable screwed into position. The pick-up used should be mounted, according to the maker's instructions, on the same board as the turntable. If required the common base-board may be shock mounted, however any attempt to mount the turntable or pick-up independently on a flexible or resilient mount will seriously impair the overall signal to noise ratio of the components.

Maintenance

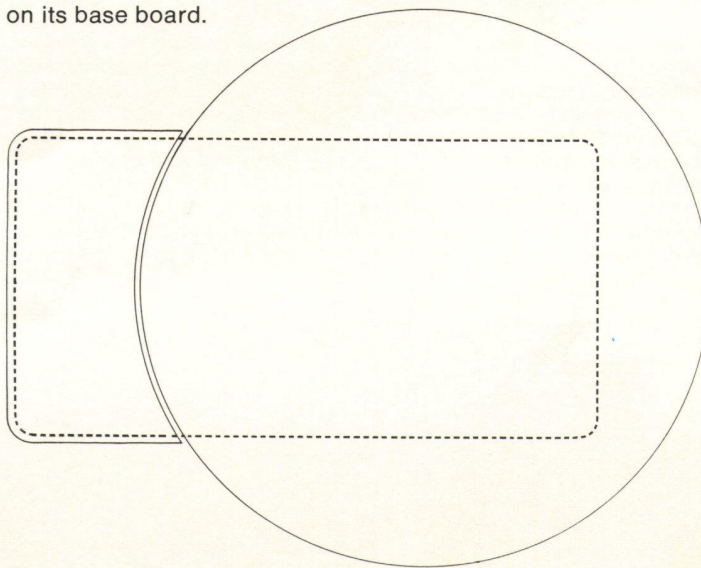
Minimum maintenance of the P12 turntable will ensure that it operates satisfactorily for long periods—even under continuous operating conditions. Periodical lubrication and cleaning is the only service required.



Specifications P 12 Turntable

Speeds	16 $\frac{2}{3}$ 33 $\frac{1}{3}$ 45 and 78 rpm
Turntable wow and flutter	Less than 0.1% RMS at 33 $\frac{1}{3}$ rpm
Motor	Synchronous four pole 50 Hz
Motor speed	1500 rpm
Power	25 Watts
Temperature rise	25 Degree C
Overall dimensions	12 $\frac{9}{32}$ " x 15 $\frac{1}{8}$ "
Table diameter	12 $\frac{9}{32}$ "
Table height above mounting	1 $\frac{3}{8}$ "
Depth below mounting	6"
Table weight	4 $\frac{3}{4}$ lbs
Overall weight	12 $\frac{1}{2}$ lbs

The dotted line in the diagram represents the simple rectangular cut-out required to mount the P12 Turntable on its base board.



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