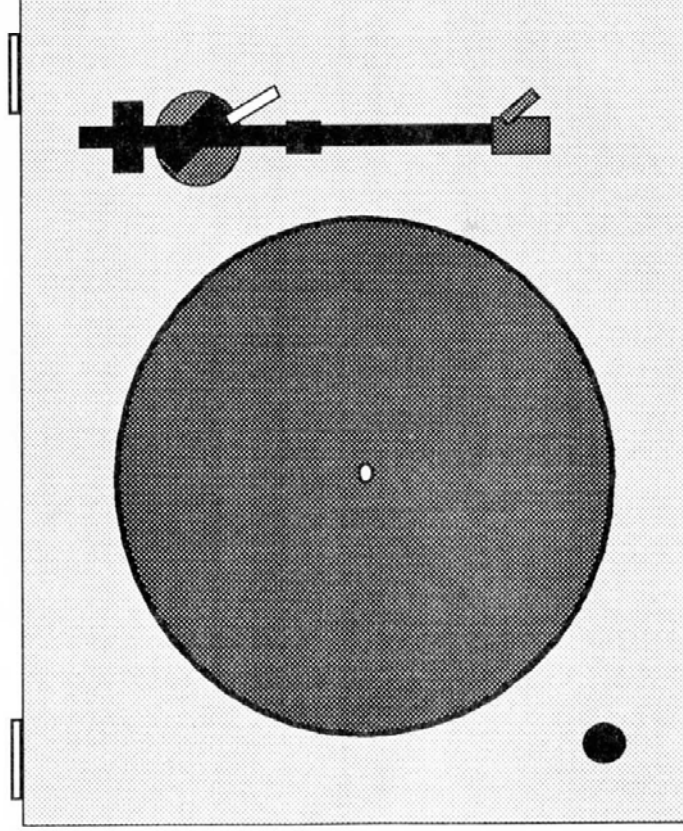


AKAI

Model AP-A950 Turntable

Operator's Manual

Please read this manual carefully before attempting to set up your turntable.



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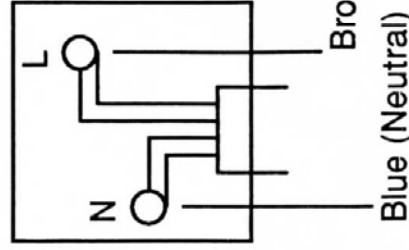
IMPORTANT SAFETY NOTICE

Your turntable comes pre-fitted with a mains plug conforming to BS1363. This plug is fitted with a 3 Amp. fuse.

If the existing plug is removed, any replacement should conform to BS1363 and also be fitted with a 3 Amp. fuse. Wiring must be in accordance with the diagram below.

The wires in the mains lead are coloured in accordance with the following code :-

Blue.....Neutral
Brown.....Live



The wires in the mains lead must be connected to the terminals in the mains plug as follows :-

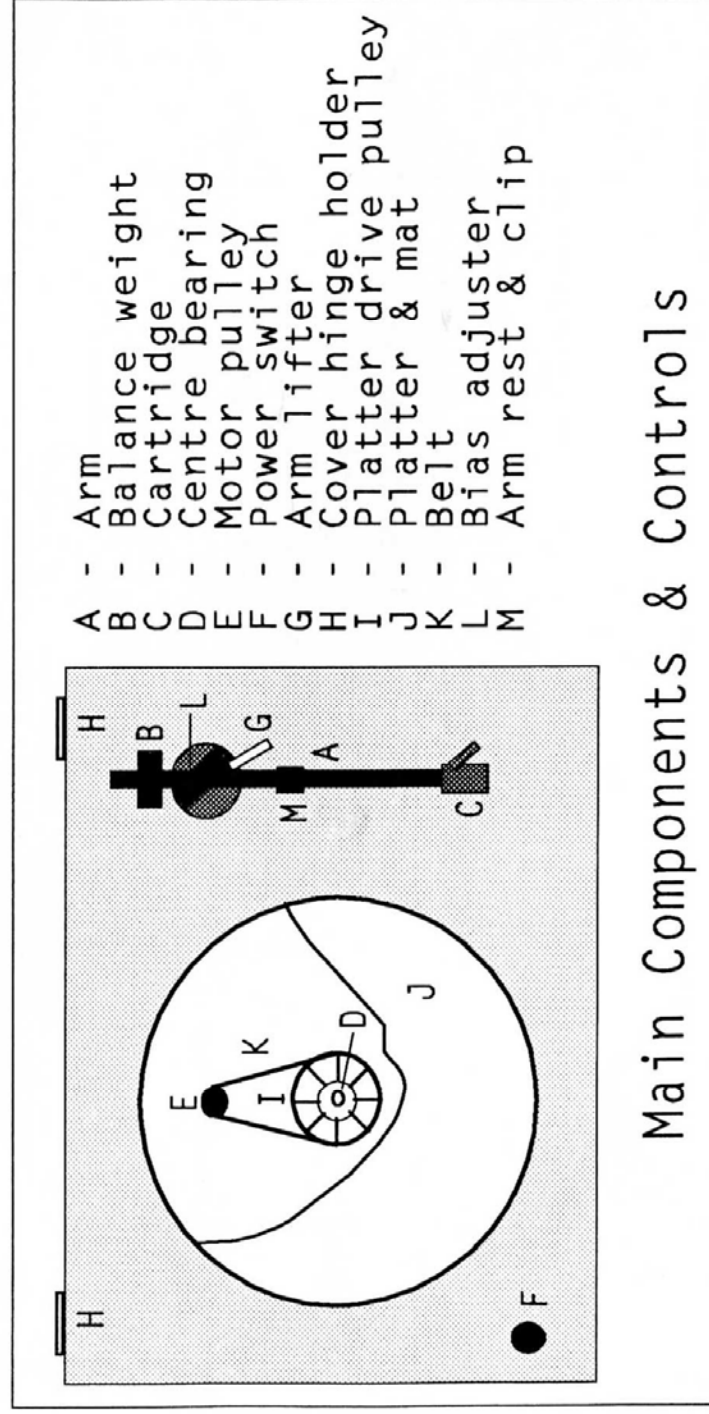
Blue.....N or coloured BLACK

Brown.....L or coloured RED

No wires should be connected to the terminal marked E or coloured GREEN

If another type of plug is used a 5 Amp. or lower value fuse should be used, either in the plug, an adaptor or at the distribution board.

If the existing moulded plug is removed, it must be immediately and safely disposed of. Failure to do so could result in fatal electric shock.



Main Components & Controls

Setting up your turntable

Do not connect to the mains supply until assembly is complete and the turntable connected to your Hi-Fi system.

Carefully unpack the turntable and unwrap the separate components. Do not remove the *platter drive pulley* (I) from its location in the turntable *centre bearing* (D) (see note under "Using your turntable"). It is quite normal for the pulley to come back up slightly without the weight of the platter to hold it down.

Your turntable comes with the *magnetic cartridge* (C) and *stylus* already fitted. Care should be taken not to knock or jar the cartridge or stylus during assembly.

Location

The turntable should be mounted on a rigid, level surface close to the amplifier.

Assembly

Place the *drive belt* (K) around the platter drive pulley and then locate over the *motor pulley* (E). The smaller diameter groove on the motor pulley will give a turntable rotation speed of $33\frac{1}{3}$ r.p.m. while the larger diameter will give a speed of 45 r.p.m..

The turntable *platter and mat* (J) can now be located onto the protruding spindle.

Referring to the diagram, ensure that the *bias adjuster* (L) is set to zero. Screw the *balance weight* (B) onto the rear end of the *tone arm* (A). With the tone arm unclipped from the *rest* (M), gently screw the balance weight along the shaft until the stylus is floating 1mm. clear of the record. We recommend that you leave the *arm lifter* (G) in the up position when adjusting the weight and only lower it to check the height. The recommended tracking force can now be applied by rotating the balance weight so that it moves towards the front of the tone arm. A half turn gives 1g. tracking force. Always use a force which corresponds to the upper limit of the cartridge manufacturer's recommended range (2g. to $2\frac{1}{2}$ g. for the supplied cartridge). Take great care not to knock either the cartridge or the stylus when making these adjustments.

Set the bias adjuster to the same value as the tracking force control - i.e. $1\frac{1}{2}$ g. tracking force = $1\frac{1}{2}$ on the bias adjuster.

Install the dust cover by sliding the hinges into the *hinge locating slots* (H) at the rear of the turntable.

If you are in doubt about assembling or setting up your turntable, please consult the dealer from whom it was purchased.

Connecting to your Hi-Fi system

Connect the plugs on the built-in connection cord to the PHONO inputs on the amplifier or pre-amplifier. The BLACK plug goes into the LH input and the RED plug into the RH input. The arm earth is automatically connected through the arm cable screening. No other earth is necessary.

Using your turntable

Leave the turntable running during a record playing session. Switch on before the session and only switch off after you have finished your listening period. Do not keep switching the turntable off and on every time you change a record.

This turntable has been designed to optimise performance for music reproduction and therefore no compromise has been made to give quick start times. The normal time taken to reach operating speed is between 2 and 5 seconds. However in some cases a slower start up time or even a slight rattle during starting should cause no concern.

Try to keep the dust cover closed while playing records. This will minimise the amount of dust falling onto the record and make cleaning unnecessary.

Don't use any record cleaner that works while the record is playing or any cleaners that use water or fluids. If records are stored in their sleeves and the playing surface is not touched with the fingers, cleaning should not be necessary. Don't worry about visible dust on the record surface as this is brushed aside by the stylus. Any dust that collects on the stylus should be blown away or removed gently with a soft brush.

Do not remove the turntable drive pulley from the centre bearing. This bearing is factory assembled with a film of special thick lubricant which may become disturbed if the pulley is removed.

No maintenance is normally necessary. If your turntable is working well, leave it alone. If you experience any problems, please contact the retailer from whom it was purchased.

Don't use any polishes on the turntable lid. To clean, dust or wipe gently with a soft cotton duster, slightly dampened if necessary.

Cartridge replacement

Should it be necessary to remove the cartridge for any reason, ensure that the replacement is correctly aligned using an alignment protractor. Reconnect the wires as follows:-

Blue :- *LH earth.* Green :- *RH earth.* White :- *LH signal.* Red :- *RH signal*

Technical Specification *

2 speed manual turntable	:	
Turntable	:	300mm. diameter, wood platter.
Drive system	:	Belt drive (Akai Part No. 99002265).
Motor	:	Low vibration AC motor.
Speeds	:	33 $\frac{1}{3}$ and 45 r.p.m. (manual speed change).
Tone arm	:	Static balance type with integral headshell.
Cartridge	:	Akai Part No. 99002263.
Type	:	Moving magnet.
Output	:	3.5mV. at 1kHz. (5cm./sec.).
Recommended load	:	47k Ω . plus 100 - 200pF.
Frequency response	:	20Hz. - 20kHz.
Channel separation	:	> 20dB. (at 1kHz)..
Channel balance	:	within 2dB.
Vertical tracking angle	:	20°
Stylus	:	Audio Technica ATN-95E (Akai Part No. 99002264).
Type	:	Elliptical.
Stylus radii	:	0.4 x 0.7mils.
Tracking weight	:	1.5 - 2.5g. (2g. nominal).
Power requirements	:	240V, ~ 50Hz.
Consumption	:	< 4 W.

* Specifications subject to change without notice.

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