

Connoisseur Pickup Arm Type SAU 2

This pickup arm is a precision instrument and requires careful installation and handling if the full performance of which it is capable is to be realised.

FIXING INSTRUCTIONS. Use the template provided to ensure minimum tracking error. With point A on the template centred on the turntable centre spindle position point B on the mounting board to ensure that sufficient clearance is allowed for the back sweep of the arm in the playing position and for the lifting handle to be used. At point B drill a $\frac{1}{8}$ " (17.5mm.) diameter hole through which to pass the threaded stem of the pickup base. Secure the base firmly in position, tightening the locking nut securely, so that the base cannot rotate. The correct tracking distance from the centre of the turntable to the centre of the pickup base is $7\frac{1}{8}$ " (199mm.).

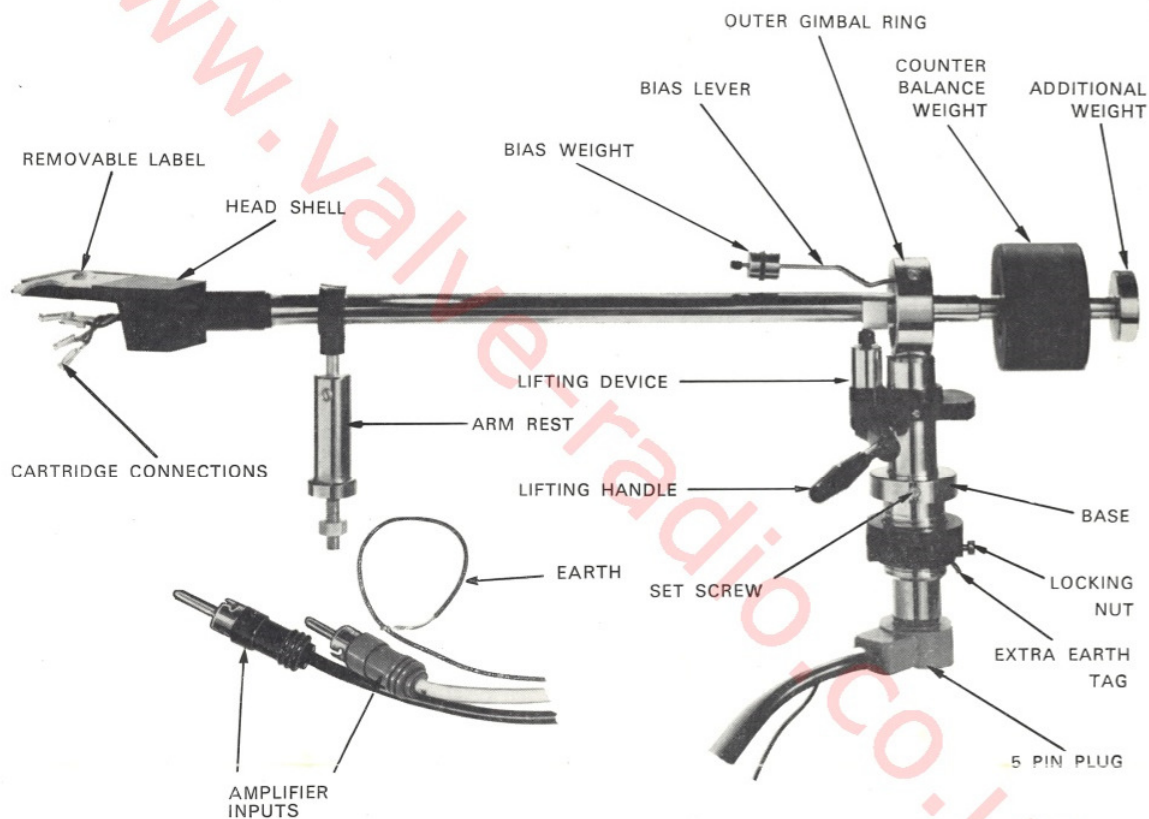
HEIGHT ADJUSTMENT. Slacken the set screw in the pickup base and slide the arm to the required height, i.e. such that the arm in the playing position is horizontal. Before locking the set screw, position the arm so that when on the arm rest it is clear of the edge of the record (12"). This will ensure that the lifting device operates over the whole playing arc.

FIXING CARTRIDGE TO HEAD SHELL. The shell is suitable for all standard cartridges with $\frac{1}{2}$ " fixing centres. The pickup arm is now fitted with a head shell which allows lateral adjustment of the cartridge to give minimum tracking error.

To fit the cartridge remove the aluminium label from the head shell, connect the cartridge as follows:

*White lead is left live.
Red lead is right live.
Blue lead is left screen.
Green lead is right screen.*

Select the correct length 8BA screws and insert these through the square washers and then through the slots in the head shell. Secure the cartridge with the nuts, adjusting it according to the instructions on the alignment protractor. Finally refit the label.



CONNECTION TO THE AMPLIFIER. A complete cable assembly is provided with a five pin side entry plug to the pickup base. The two screened cables are terminated by phono plugs, the grey plug being the Right Hand channel, the black plug being the Left Hand channel. The separate earth lead should be connected to the preamplifier chassis. If the pickup is mounted in such a way that it is insulated from the turntable, then the turntable should be earthed through the extra earth tag on the locking nut, taking care that the earthing screw is fastened tightly against the pickup base.

ADJUSTING TRACKING WEIGHT. Adjust the tracking weight using the precision balance. Place the balance on the turntable and the pickup stylus in the hollow in the centre of the scale pan. Set the balance weight so that its groove indicates the required playing weight. Adjust the pickup weight by screwing the large black counterbalance weight until the scale arm is horizontal. With a light cartridge it may be necessary to remove the additional weight at the rear of the pickup arm.

BIAS ADJUSTMENT. The bias compensator corrects the "skating" effect or inward pull due to the offset of the pickup head and the friction between the stylus and record. The friction is directly proportional to the playing weight, therefore the bias weight requires adjusting. The sliding weight on the bias lever enables the amount to be varied; with 3 grams downward pressure the bias weight should be at the end of the lever and with 1 gram downward pressure as far back as possible.

LIFTING DEVICE. The lifting device is locked in the correct position, and the rate of fall is preset at the factory.

STEM EXTENSION. A stem extension is now available to enable the pickup arm to be used with high turntables — up to $2\frac{3}{8}$ " above the mounting board.

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