INSTRUCTION MANUAL
The Systemdek Model IIX

INTRODUCTION

The Systemdek is a two speed belt drive transcription turntable. Top performance can be maintained and satisfaction assured by careful adherence to the assembly and operating instructions.

1. UNPACKING

1.1 IMPORTANT: Read the instructions before proceeding with further unpacking.
1.2 Remove the top packing to allow removal of cover and other accessories.
1.3 Remove further packing to expose turntable.
1.4 Remove turntable from carton and prepare for assembly.
1.5 Remove drive hub packing and place carefully to one side.

2. IMPORTANT INSTRUCTIONS

2.1 Please ensure that the main bearing does not become contaminated by dust or other foreign matter.
2.2 Do not attempt to dismantle any part of the turntable as it is set during production to provide optimum performance.

3. ASSEMBLY

3.1 Fit bearing housing and fix in position by means of the screws provided.
3.2 Inject oil into the bearing housing using the full measured amount ' .8 ml' in the syringe provided and drop ball bearing into housing.
3.3 Fit drive hub into the bearing housing to locate on ball bearing.
3.4 Fit drive belt by passing round the drive hub and on to the motor pulley.
Motor pulley top groove = 33 R.P.M.
Motor pulley bottom groove = 45 R.P.M.
3.5 Mount the tone arm on the arm mounting board following manufacturers instructions and fit to arm support by means of two M5 screws and washers provided. Do not tighten at this stage.
NOTE: A tone arm earthing screw is provided at the rear.
3.6 Remove nylon chassis transit screws.
3.7 Fit platter by locating on drive hub centre boss.
3.8 Fit the record mat.
3.9 Connect the supply cable, either to the power outlet on the rear of the amplifier, or use a suitable adaptor to enter directly to the mains supply.
3.10 Systemdek turntables can be supplied for service on 22/24OV–50Hz: 100V–50Hz, 110V–60Hz or 200V–50Hz A.C. Mains supply. Before connecting check both the supply voltage and other information on the rating plate of the unit, if required your Systemdek dealer can arrange the unit for alternative supply conditions.

4. SETTING-UP PROCEDURE

4.1 Adjustments to the Systemdek sub-chassis are made by turning the three *(suspension support screws) positions around the platter to raise or lower the sub-chassis assembly.
PLEASE NOTE: During production the sub-chassis is set to carry an average tone arm weighing 1.1lb (0.45kg) which ensures that further adjustment to carry heavier or lighter tone arm is kept to a minimum. At this stage also the spring positions are finalised and set. This important setting thereafter remains constant if further adjustment is made by the user.
* Turn clockwise to raise.
Turn anti-clockwise to lower.

5. LEVELLING THE PLATTER AND ARM ASSEMBLY

5.1 Before starting the final setting the Systemdek should be placed with the back of the unit on the edge of a table or bench. Check that the drive belt is in position.
5.2 The tone arm should be finally located and the audio cable dressed to give a free floating condition secured by the clamp and screws provided.
5.3 Assess the adjustment necessary by placing a level side to side and front to back on the platter. Turn the adjusting screws until the exact levelling of the platter is attained with an approximate 5mm space between the top of the plinth and the bottom outer rim of the platter. (The result will not only ensure optimum isolation conditions for the arm and cartridge but will also give the drive belt the correct operational tension).

5.4 When the operating position has been finalised the Systemdek can be moved or carried to other situations without risk of altering the setting.

5.5 It is a wise procedure to remove the platter when moving the turntable.

6. SPEED CHANGE

6.1 A two speed drive pulley attached to the motor spindle provides the 33 R.P.M. (top groove) and the 45 R.P.M. (bottom groove) speeds. To change speeds it is necessary to remove the platter and change the drive belt position. Removing the heavy platter from the sprung sub-chassis will obviously change the position of the driven hub and misalign the drive belt. *Correct this by turning the drive hub holding the spindle with the forefinger and thumb. Do not lift the spindle from the bearing housing. Now move the belt to the desired speed. Carefully replace the platter into position and start the motor.

*Please note this should only be necessary changing from 33 R.P.M. to 45 R.P.M.

7. USEFUL HINTS

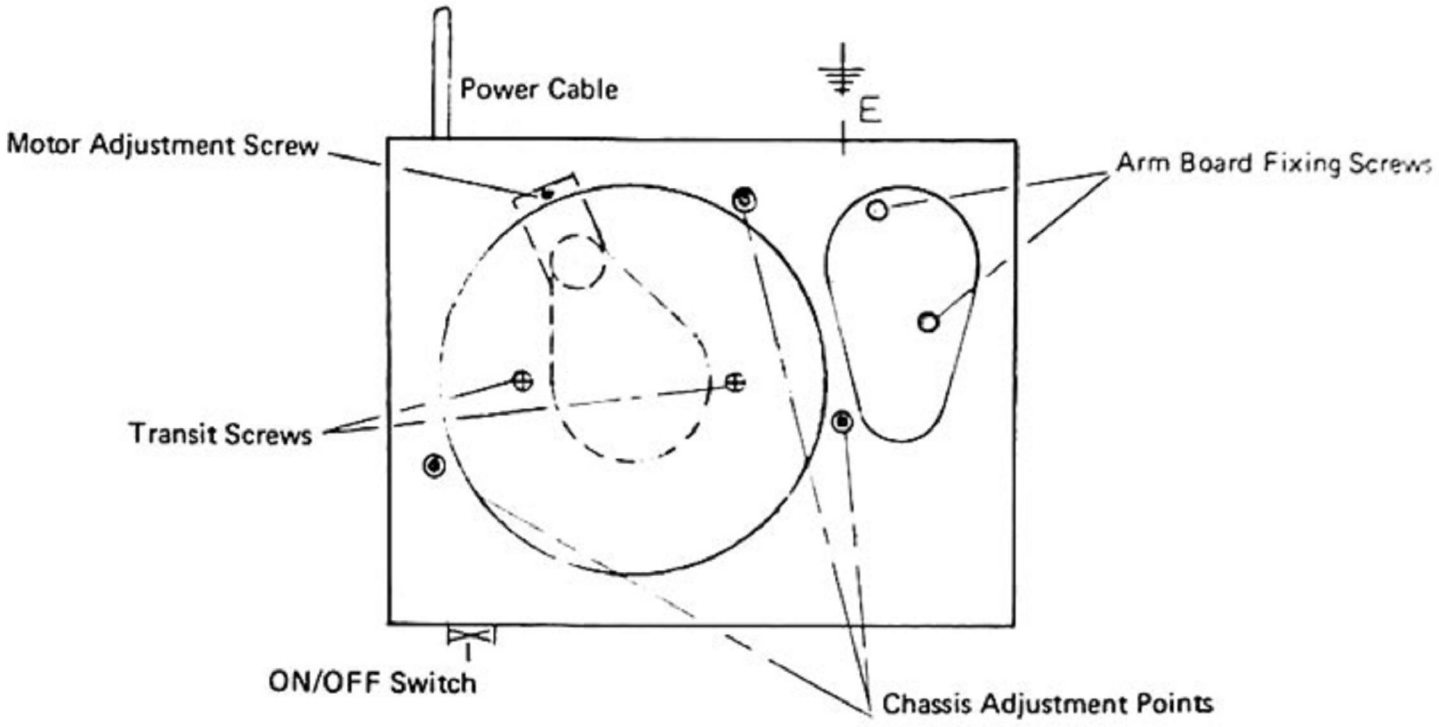
7.1 CARE OF DRIVE SYSTEM

Keep the outer (drive) rim of the sub-platter as clean as possible and handle the top stainless steel spindle only. As required de-grease the surface of the drive belt, drive pulley and drive hub then apply a little silicone wax polish to restore belt slip.

7.2 CARE OF BEARING

It is important to know that the bearing used is a substantial piece of engineering which could handle a much greater load that that required for our turntables and users can dismiss any notion of fatigue, wear or similar worries during the life of the unit. Some users may, however, want to make an oil change. Use the syringe and measure .8ml of H.P. 90 oil as required. This should only be necessary due to transit loss or spillage etc.

SYSTEMDEK LAYOUT



SPECIFICATIONS

Motor: 24 Pole precision synchronous high torque motor mounted on an anti-vibration assembly.
Power source: 220–250V 50Hz or 110–125V 60Hz.
Power consumption: 3.3VA (approximately).
Mains switch: Double Pole with noise suppressor and neon indicator.
Speeds: 33 and 45 R.P.M. (manual change).
Drive system: Precision ground flat rubber belt.
Start-up: 2 seconds to audible stabilisation.
Platter: 3.875lbs (1.73kg) – Glass – 10mm thick.
Record matt: High density lambs wool.
Speed drift: Nil.
Variation under load: 0.15% Ref. 1 hr.
Wow and Flutter: 0.09% Din PK weighted.
Rumble: 78/77 Din 'B' weighted.
Hum level: 72dB Din 'B' weighted.
Dimensions: 470mm x 360mm x 140mm.
Weight: 17.6lbs (8kg).

SYSTEMDEK LTD., P.O. BOX 9, TROON, SCOTLAND. TEL: (0294) 71251