

DIRECT-DRIVE PLAYER SYSTEM

WALKMAN

PD 282

OWNER'S MANUAL



The model PD282 is a direct-drive turn-table, adopting an electrically-controlled AC-servo motor. This ensures quiet and smooth rotation with excellent 0.03% wow & flutter and 60dB S/N ratio. The tonearm is of highly sensitive universal type and the effective length is 237mm-the best harmony between simplicity and professional feeling. The robust ball-bearings are adopted for the horizontal direction as well as the angular-contact ball-bearings for the vertical direction. Of course, provided are lateral balancer, inside-force canceller (anti-skating device) and oil-damped cueing system. The top panel is of a hairline finished aluminium to make the most of the original beauty of the material. Further a lot of study has been made on raw material, thickness, structure etc to obtain the maximum resistance against howling. A unique switch of 1-lever, 2-action type is adopted to permit the ON-OFF operation of the power and the speed selection. With natural care, the PD282 will give you many years of outstanding performance and personal delight. Please read this Owner's Manual carefully before operating the unit.

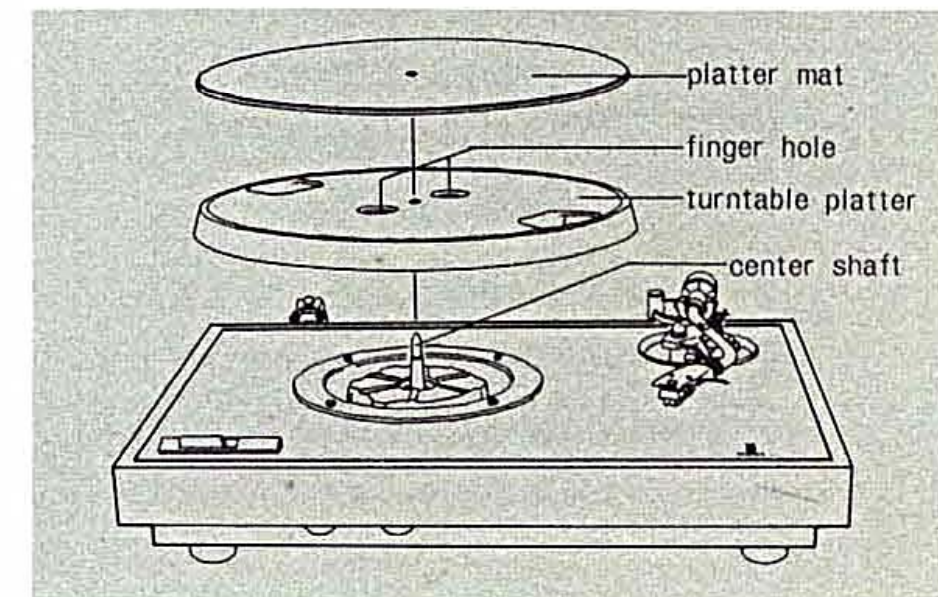
ASSEMBLY PROCEDURE

To protect the turn-table from possible damage in the course of transportation, such heavy components as turntable platter, etc. are packed separately from the main chassis. Further the motor and the transformer are firmly fixed to the chassis by means of clamping screws. Therefore correct assembly in accordance with the drawing is required. Correct reassembly is of prime importance, since both the performance of your player system and the final tonal quality depend on it.

1. TURNTABLE PLATTER

The turntable platter and the platter mat are housed at the bottom of the packing case. After having taken off the mat from the platter, insert carefully the platter in the center shaft of the motor, holding it by fingers through the 2 holes. Now turn the platter manually to check if correct setting-up is obtained. Then put the mat on the platter.

CAUTION: Do this procedure carefully, since



the turntable platter is very heavy. Rough handling may cause damage to the motor-shaft or the turn-table itself.

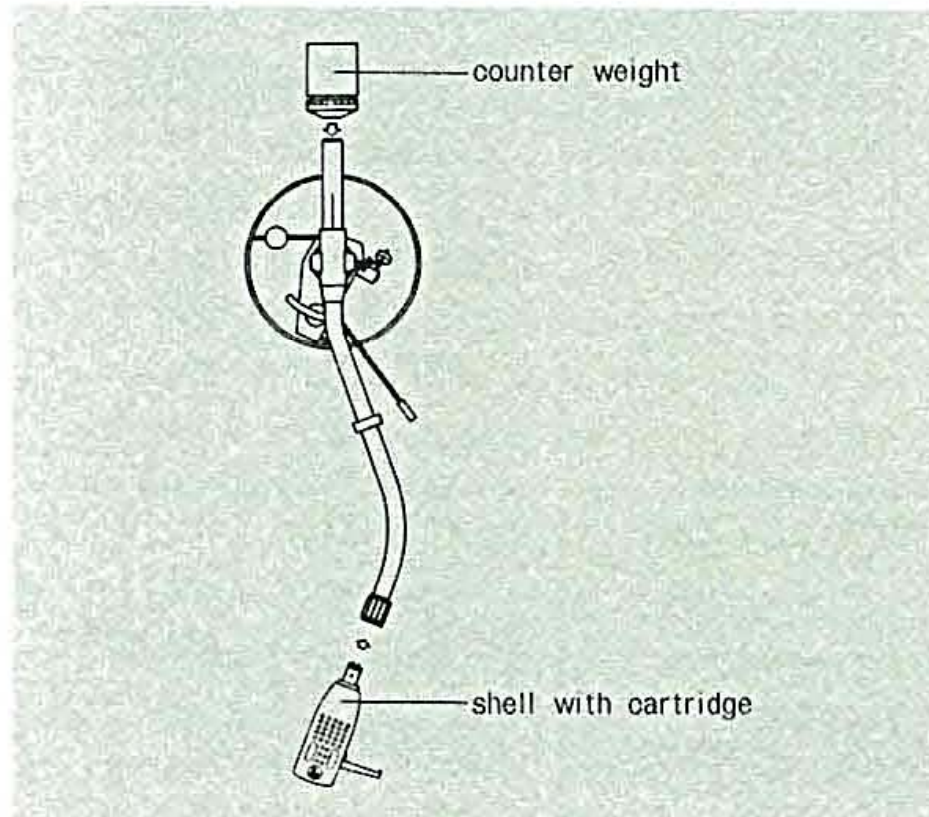
2. TONEARM

[Counter Weight]

Take out the counter-weight from the accessory compartment provided at the side of the packing case. Then insert it to the weight-shaft from the rear part of the tonearm, with rotating the weight to the clockwise direction.

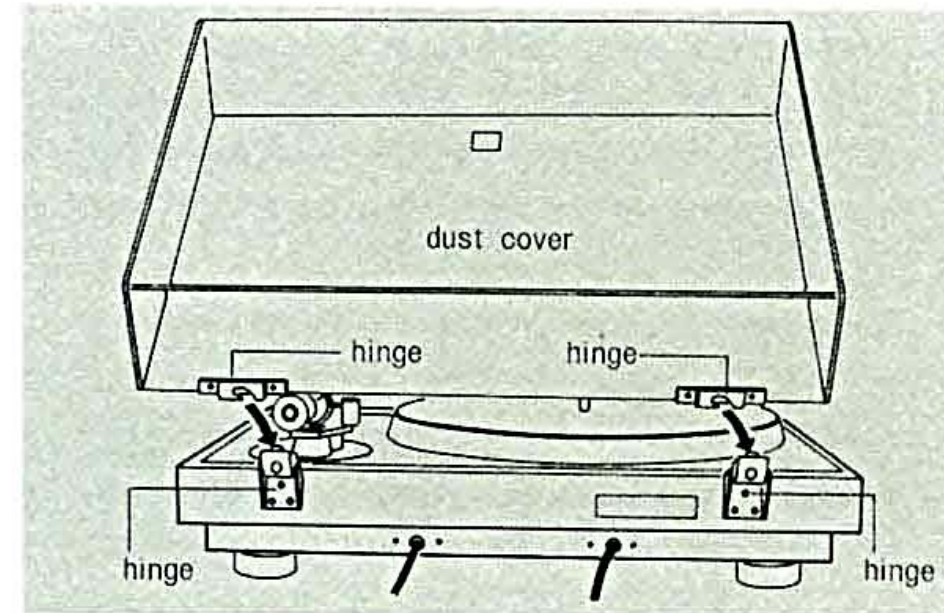
[Shell with Cartridge]

Also take out the shell with cartridge from the accessory compartment. Insert the shell into the head of the tonearm, and be sure to check if the stylus protector is lowered. Then rotate the lock-nut until the shell is firmly locked.



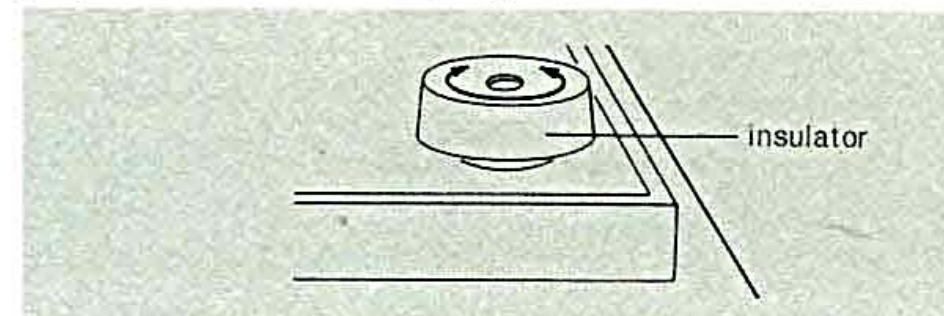
3. DUST COVER

This dust cover is detachable. For the mounting, insert the projection on the hinge of the turntable into that of the dust cover, then slide the dust cover as per the drawing. Hold the dust cover at the hinge and fix it firmly. To remove the cover, slide it in the reverse direction.



4. INSULATOR

The 4 insulators are provided at each bottom corner of the turntable, and the height is adjustable independently. The height is pre-set at their lowest position at the factory, and therefore render independent adjustment to obtain a proper level, if necessary.



ADJUSTMENT OF TONEARM

1. HORIZONTAL-BALANCE ADJUSTMENT

Remove the tonearm from the arm-rest to let it be free and then check if the stylus protector is lowered. To protect the stylus, hold the shell by fingers. Now rotate the rear part of the counter-weight to obtain horizontal balance of the tonearm.

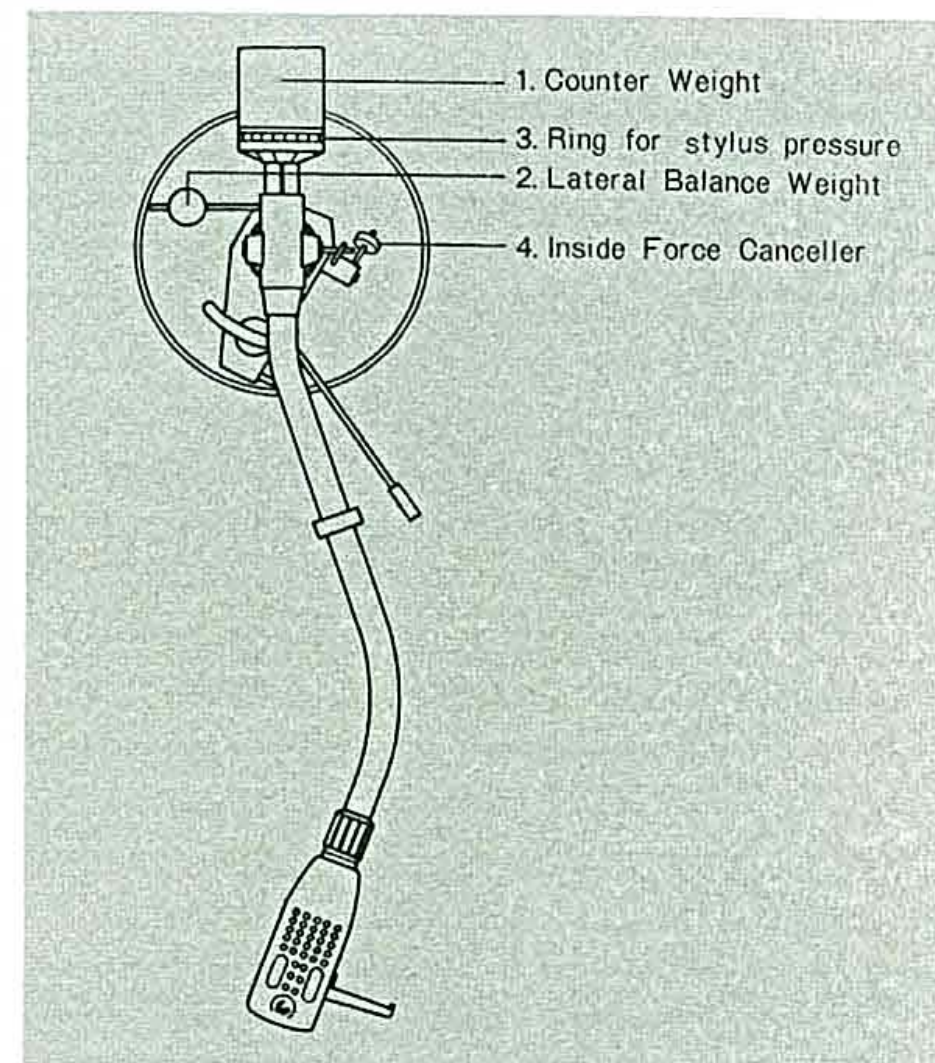
2. LATERAL BALANCE ADJUSTMENT

It is not necessary to adjust the lateral balance, since an adjustment has been done at the factory in accordance with the cartridge provided. However, in case other cartridge is required, re-adjustment is necessary. Lift up the rear part of the turn-table by 5cm-10cm when the horizontal balance is obtained, and adjust the lateral balancer to keep the tonearm stationary. But when the player system is kept level, it is not necessary to be too nervous about the adjustment.

3. STYLUS PRESSURE ADJUSTMENT

While fixing the counter weight, rotate the ring for stylus pressure provided at the front part of the weight to set "0" at the calibration line on the weight-shaft. Then rotate the rear part of the counter-weight to move the weight forward, and obtain the desired value. Be careful not to touch the ring for stylus pressure.

(The optimum stylus pressure for the cartridge provided is 2.5g.)

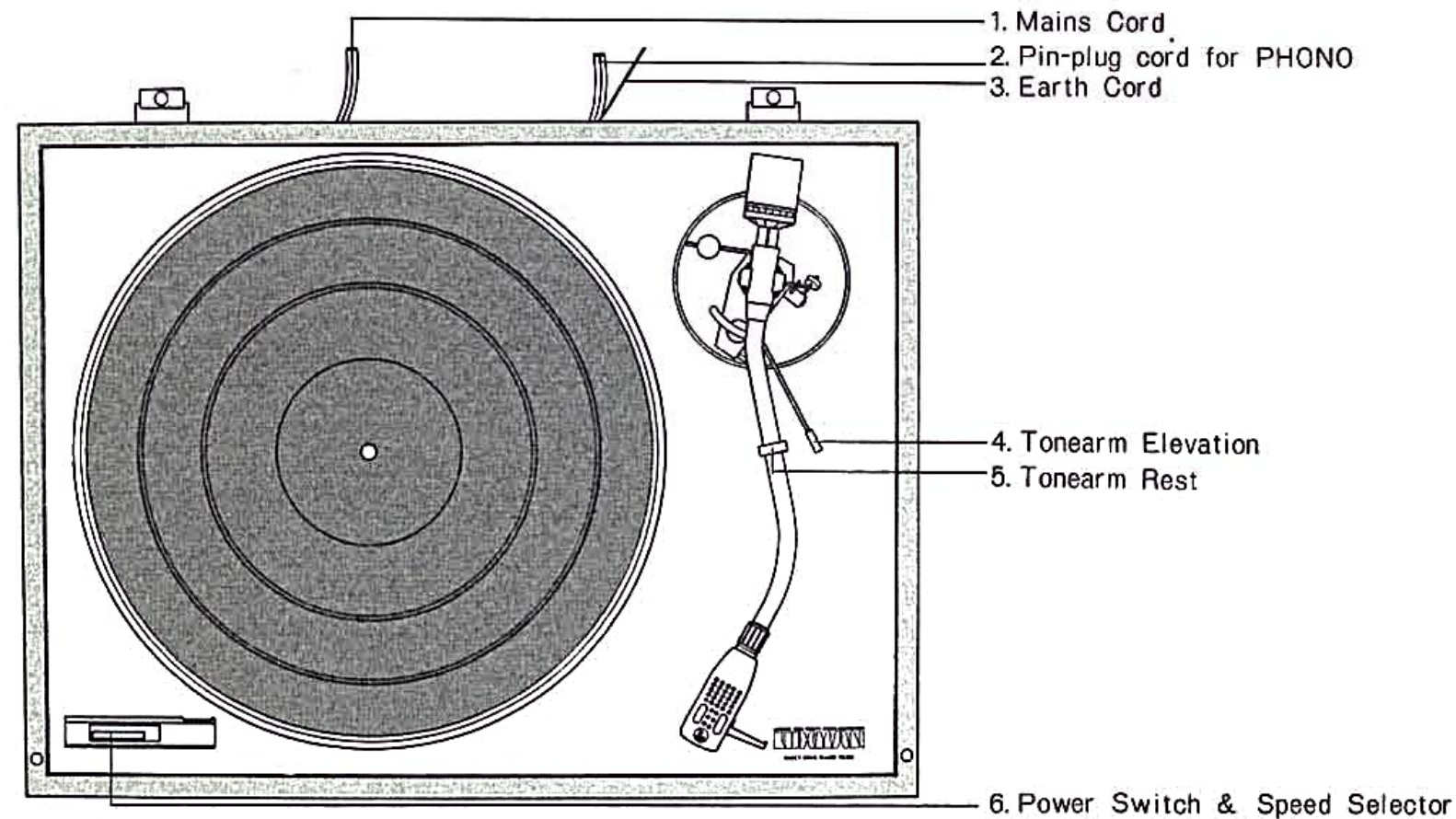


4. INSIDE-FORCE CANCELLER

ADJUSTMENT

The value of the inside-force differs by the form of the stylus-tip of a cartridge, the material of the disc, etc. For the PD282, this adjustment has been done at the factory in accordance with the cartridge provided.

In case other cartridge is desired, re-adjustment is necessary. As a standard, when the canceller weight is at the "backward" position, it corresponds to stylus pressure 1g, at the "middle" position 2g and at the "forward" position 3g.



NAME AND USAGE OF EACH PART

1. MAINS CORD

Connect the mains plug at the end of the mains cord to a wall socket in your listening room or to an extra mains outlet of the audio amplifier.

2. PIN-PLUG CORD

Connect the pin-plug to a PHONO terminal of the audio amplifier.

3. EARTH CORD

Connect this cord to an earth terminal (GND) of the audio amplifier.

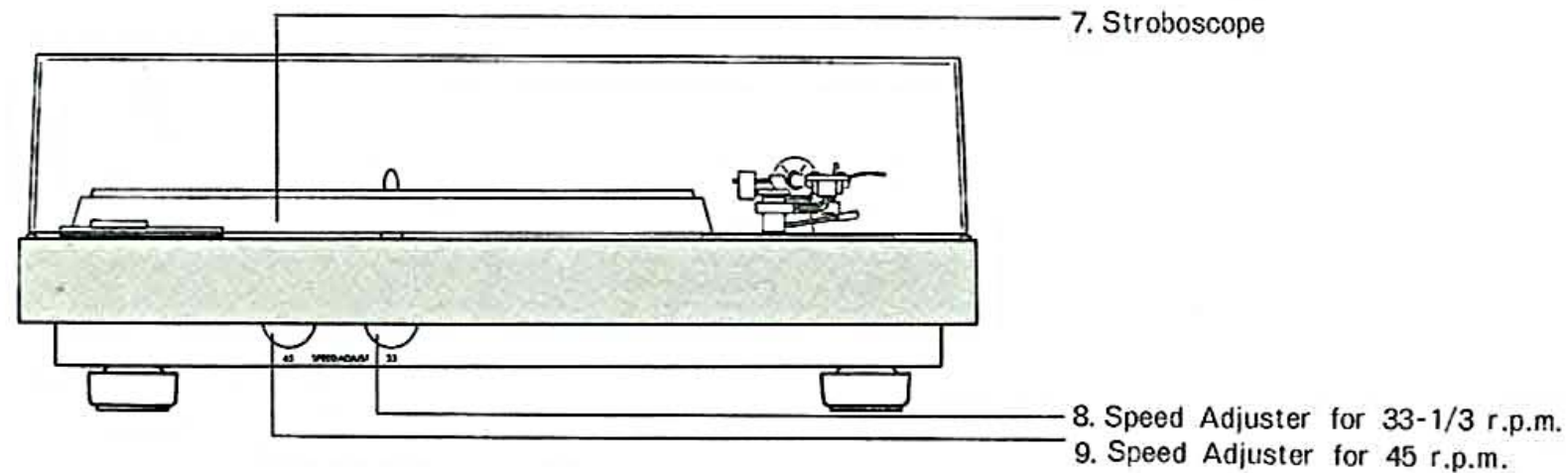
4. TONEARM ELEVATION (CUEING SYSTEM)

This moves the tonearm up and down by means of hydro-pressure. With the lever at the "up"

position bring the tonearm towards the disc so that the stylus-tip can be above the groove of the disc, and then put down the lever, and the tonearm will come down slowly and smoothly until the stylus is put on the groove. When the lever is lifted up, the tonearm will gently come up from the surface. Now it is possible to reset the tonearm at the arm-rest without giving damage to the disc.

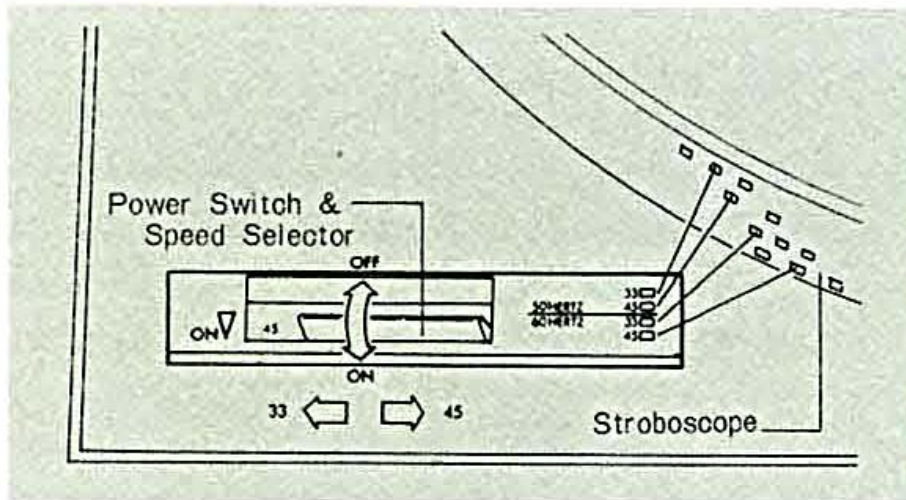
5. TONEARM REST

This is provided to hold the tonearm when no playback is made. The tonearm clamp is also provided to prevent the stylus from any accidental damage.



6. POWER SWITCH & SPEED SELECTOR

This switch offers two functions; ON-OFF of the power and the speed selection. Front-back direction is for power and right-left direction is for speed selection.



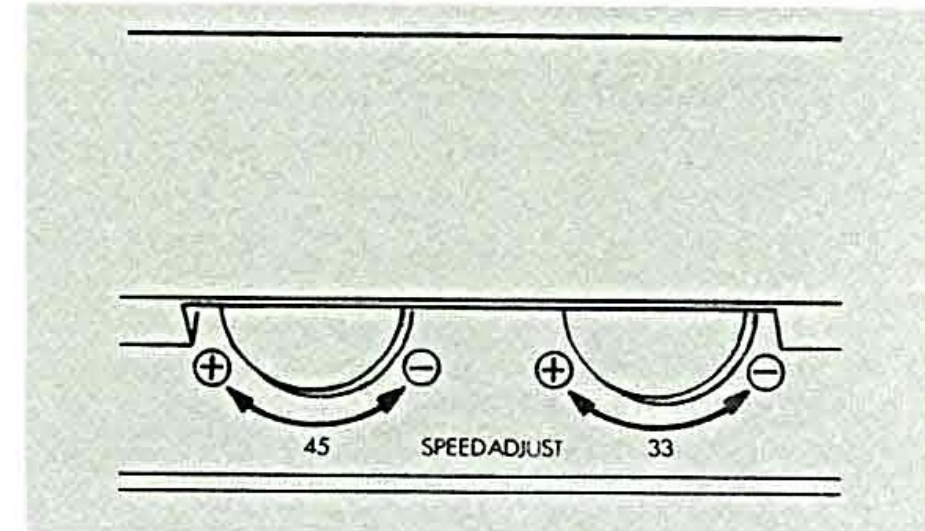
7. STROBOSCOPE

The stroboscope is carved on the outer contour of the platter; 33-1/3 r.p.m., and 45 r.p.m., each for 50Hz and 60Hz. Read the suitable band at your residence as per the drawing.

8. 9. SPEED ADJUSTERS

Accurate speed adjustment is possible by means of these adjusters. To adjust 33-1/3 r.p.m., set

the Speed Selector Switch (6) at the "33" position, and then turn the Speed Adjuster knob (8), monitoring the flow of the stroboscope pattern relevant to the AC line frequency. While to adjust 45 r.p.m., set the Speed Selector Switch (6) at "45", then turn the knob (9). A clockwise turn of the adjuster increases rotation speed, while it is decreased with a counter-clockwise turn. When the stroboscope pattern appears to be stationary, correct rotation speed has been obtained. Before making this adjustment, be sure to check the mains line frequency, i.e., 60Hz or 50Hz.



MODEL: PD282 SPECIFICATION

[PHONO MOTOR SECTION]

Driving System: Direct-Drive System
Motor: AC-servo 6-pole condenser motor
Turntable platter: 30cm aluminium die-cast
Rotation: 33-1/3 rpm, 45 rpm(2-speed)
Adjustable range of Rotation: $\pm 4\%$
S/N Ratio: No less than 60dB
Wow & Flutter: no more than 0.03%W.R.M.S.

[TONEARM SECTION]

Tonearm: S-curve static balance type
Effective Length: 237 mm
Overhang: 15 mm
Cartridge Weight: 4g - 12g
Cartridge Height: 15mm - 20mm
Stylus Pressure: 0-3g (direct reading)
Accessories: Inside-force Canceller
Lateral Balancer
Tonearm Elevation

[CARTRIDGE SECTION]

Type: Audio Technica VM type
Optimum Stylus Pressure: 2.5g
Output Voltage: 2.7mV
Stylus for Replacement: Audio Technica PM512A or equivalent

[ADDITIONAL FEATURES]

Dust Cover: Detachable with free-stop hinge
Insulator: Height adjustable
(Adjustable range 10mm)
Stroboscope: Indicated on the outer edge of the turntable-platter by means of neon lamp

[GENERAL]

Power Requirement: AC 120V 50Hz or 60Hz for U.S.A. & CANADA model
AC 220V/240V 50Hz or 60Hz for Europe model
Power Consumption: 12W
Dimensions: 471(W) X 175(H) X 351(D) mm
+22mm for hinge
[18-7/12" X 6-2/3" X 13-5/6"]
Weight: Net 10Kgs (22 lbs)
Gross 12Kgs (26.4 lbs)



LUX CORPORATION, JAPAN

1-1, 1-CHOME, SHINSENRI-NISHIMACHI, TOYONAKASHI,
OSAKA JAPAN PHON : 06-834-2222 TELEX:J63694