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STEREO TURNTABLE  
**PL-112D**  
KCT,KUT

〈ART-164-0〉

# *Service Manual*



 **PIONEER®**

# CONTENTS

|     |                                                |    |
|-----|------------------------------------------------|----|
| 1.  | SPECIFICATIONS .....                           | 4  |
| 2.  | PANEL FACILITIES .....                         | 5  |
| 3.  | PARTS LOCATIONS                                |    |
| 3.1 | Top View .....                                 | 7  |
| 3.2 | Bottom View .....                              | 9  |
| 4.  | EXPLODED VIEW                                  |    |
| 4.1 | Main Panel .....                               | 11 |
| 4.2 | Tone Arm .....                                 | 13 |
| 4.3 | Cabinet .....                                  | 14 |
| 4.4 | Packing .....                                  | 15 |
| 5.  | NOMENCLATURE OF SCREWS, WASHERS AND NUTS ..... | 16 |

# 1. SPECIFICATIONS

## MOTOR AND TURNTABLE

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Motor             | 4-pole synchronous                                          |
| Turntable drive   | Belt-driven                                                 |
| Speed             | Two speeds: 33-1/3rpm, 45rpm                                |
| Wow and flutter   | 0.07% (WRMS) or less                                        |
| S/N               | 50dB (JIS) or more<br>(with Pioneer cartridge model PC-135) |
| Turntable platter | 30cm diam. aluminum alloy                                   |
| Moment of inertia | 135kg-cm <sup>2</sup> (including rubber mat)                |

## TONARM

|                         |                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|
| Tonearm type            | Static-balance, S-shaped, pipe arm                                                |
| Effective arm length    | 221mm                                                                             |
| Tracking error          | +3° ~ -1°                                                                         |
| Overhang                | 15.5mm                                                                            |
| Usable cartridge weight | 4g (min.) ~ 10g (Max.)<br>(For cartridge weighs over 7.0g, attach the sub weight) |

## SUBFUNCTIONS

Anti-skating force control  
Plug-in type headshell  
Oil-damped arm elevator  
Hinges (Free-adjustable)  
Lateral balancer

## MISCELLANEOUS

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Power requirements | AC 120V, 60Hz                                                      |
| Power consumption  | 10W                                                                |
| Dimensions         | 440(W) x 362(D) x 159(H)mm<br>17-5/16(W) x 14-1/4(D) x 6-1/4(H)in. |
| Weight             | 6kg, 13lb 2 oz.                                                    |

## ACCESSORIES

|                            |   |
|----------------------------|---|
| Headshell                  | 1 |
| Accessory oil              | 1 |
| Overhang gauge             | 1 |
| 45rpm adaptor              | 1 |
| Screwdriver                | 1 |
| Sub weight                 | 1 |
| Cartridge mounting screws  | 6 |
| Cartridge mounting nuts    | 2 |
| Cartridge mounting washers | 2 |
| Operating instructions     | 1 |

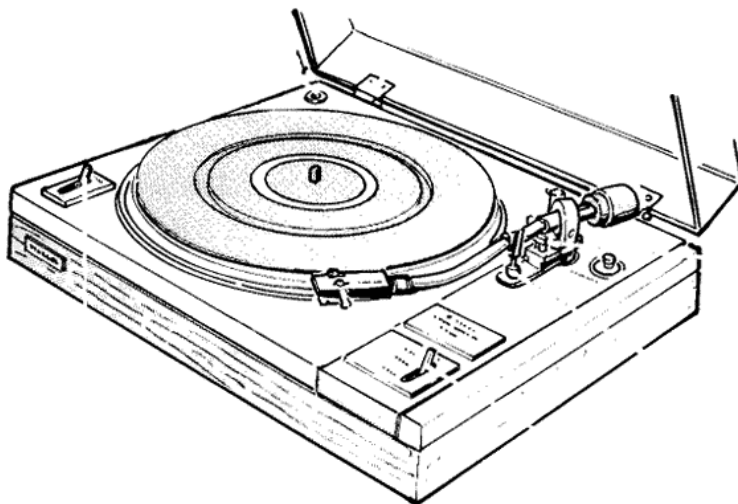
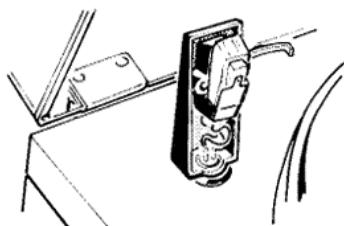
### NOTE:

*Specifications and design subject to possible modification without notice due to improvements.*

## 2. PANEL FACILITIES

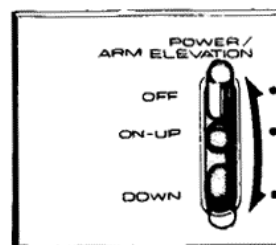
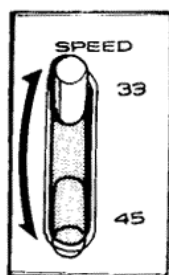
### HEADSHELL STAND

A spare headshell can be stored in this stand. Align the headshell pin with the stand groove and insert. Observe that the headshell length is not greater than the height of the dust cover. This stand can also be used for storing the 45rpm adaptor.



### SPEED SELECT LEVER

Either of the two speeds, 33-1/3rpm or 45rpm, can be selected by this lever. Change the lever position only while the turntable is rotating.



### 45 RPM ADAPTOR

A 45rpm record adaptor is supplied in the accessory box, which permits 45rpm EP records with large center holes to be played.



### FUNCTION LEVER

This lever incorporates power switch and arm elevation functions.

- OFF AC power is cut off.
- ON-UP Power is turned ON. When set from DOWN to this position, the tonearm is raised.
- DOWN Tonearm is gently lowered.

## OPERATION

1. Remove the stylus cover.
2. Set the function lever to ON-UP.  
(The turntable platter will begin to rotate.)
3. Set the SPEED select lever to the correct speed according to the record to be played.
4. Disengage arm clamp and gently position the tonearm over the desired portion of the record.
5. Set the function lever to DOWN.  
Stylus will be gently lowered onto the record.
6. Adjust the volume and tone controls of the stereo amplifier as desired.
7. At the end of the record, or to interrupt the record, set the function lever to ON-UP.
8. Return tonearm to arm rest and engage clamp.
9. Set the function lever to OFF.  
(Power will be cut off.)
10. It is advisable to replace the stylus cover for protection whenever the turntable is not in use.

### To take Full Advantage of the Function Lever (Arm Elevation)

The function lever (ARM ELEVATION) is particularly convenient when you wish to choose a particular track from an LP record.

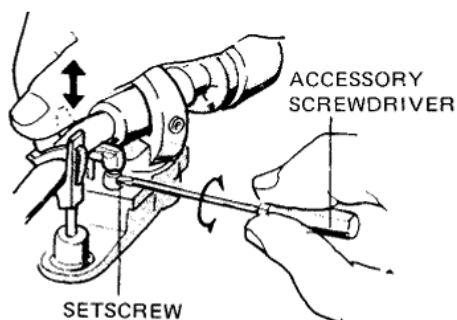
- If you move the tonearm while the function lever is set to DOWN, take care not to damage the stylus point.

### OPERATING PRECAUTIONS

- Keep stylus and records clean. Use a stylus brush to clean the stylus and a good quality record cleaner to clean the records each time before and after playing.
- Avoid exerting unnecessary force on the tonearm. When changing headshells, set the tonearm in the arm rest and engage the clamp.
- Take care not to impart vibration to the turntable while a record is playing. Record and stylus can be damaged.
- Never touch the SPEED select lever if the turntable is stationary. The speed can be changed only while the turntable is rotating.
- Never obstruct the turntable while it is rotating. This may cause damage.
- Avoid placing more than 2 records on the turntable platter while playing record.

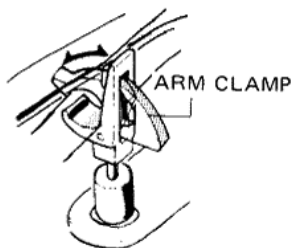
### ARM ELEVATION

Arm elevation may require adjustment according to cartridge height. If necessary use the accessory screwdriver to loosen the setscrew and adjust (see figure).



### ARM REST

The arm rest supports the tonearm, which should be secured by the arm clamp when not in use. Before raising the tonearm, be sure to release the clamp.



## 3. PARTS LOCATIONS

### 3.1 TOP VIEW

AC power cord  
KDG-011

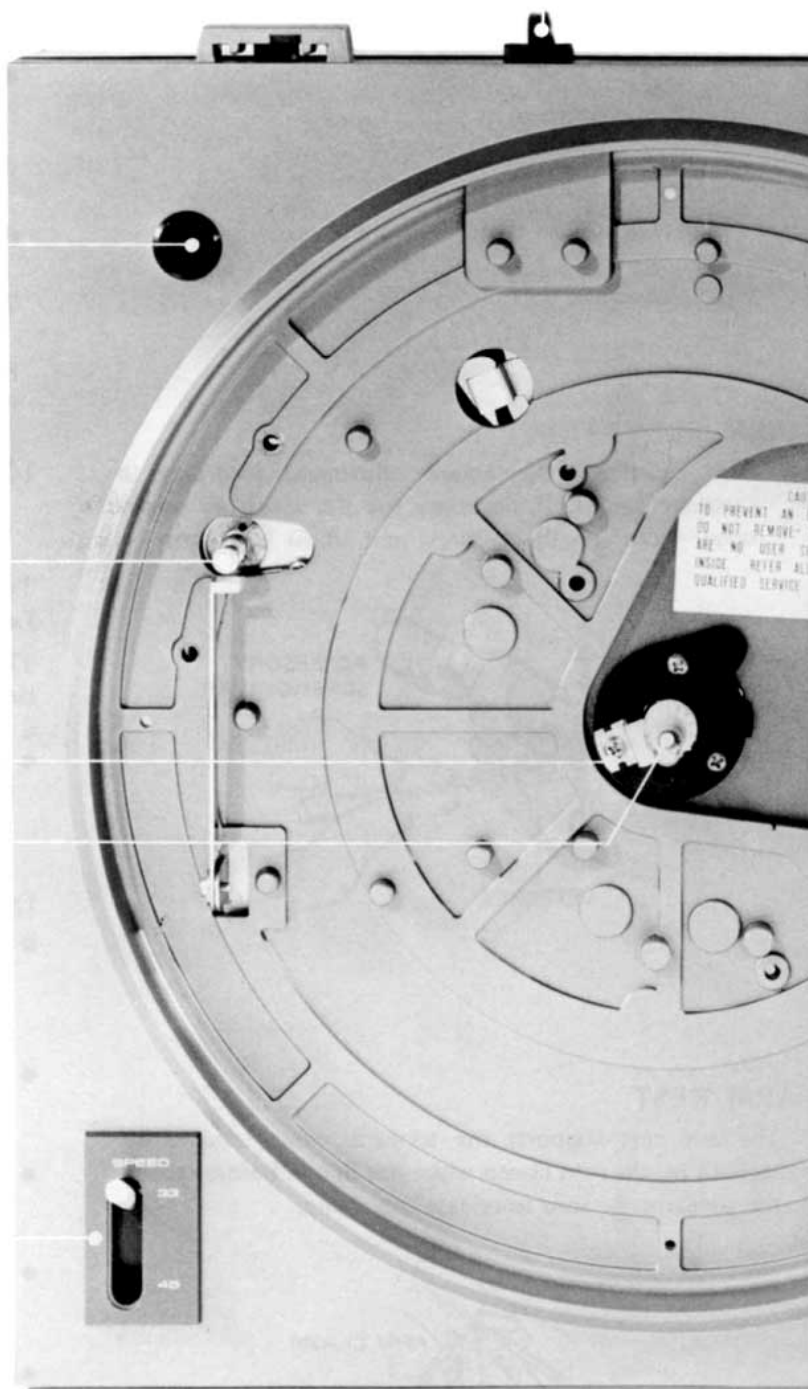
Head shell stand  
PNW-073

Capstan  
PLA-040

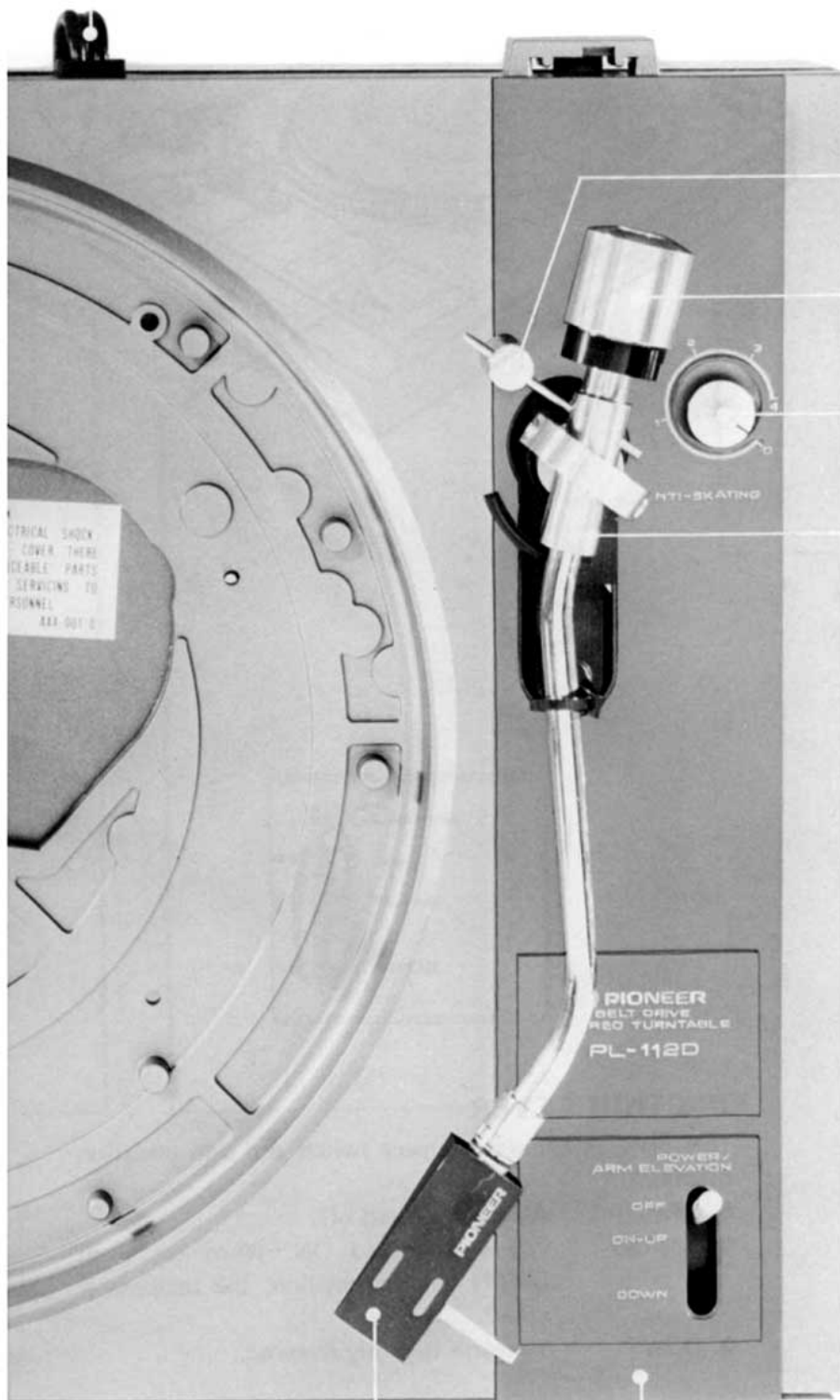
Angle  
PNB-142

Center shaft assembly  
PXA-134

Speed selector panel  
PAN-019



Output cord  
PDE-016



Lateral weight

Counter weight

Knob (Anti skating)  
PAD-009

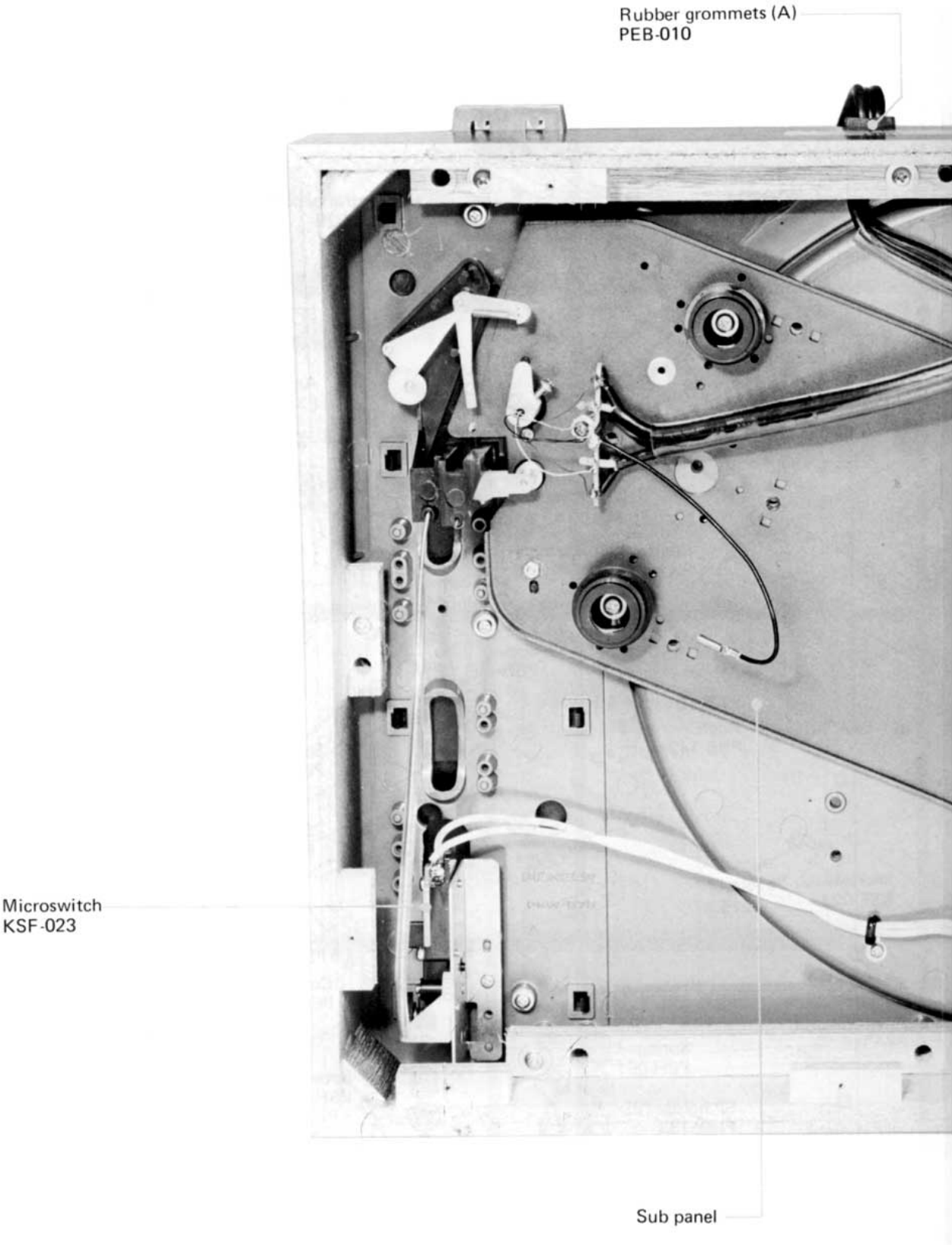
Tone arm assembly  
PPD-545

Head shell assembly  
PXA-558

Control panel  
PAN-025



3.2 BOTTOM VIEW

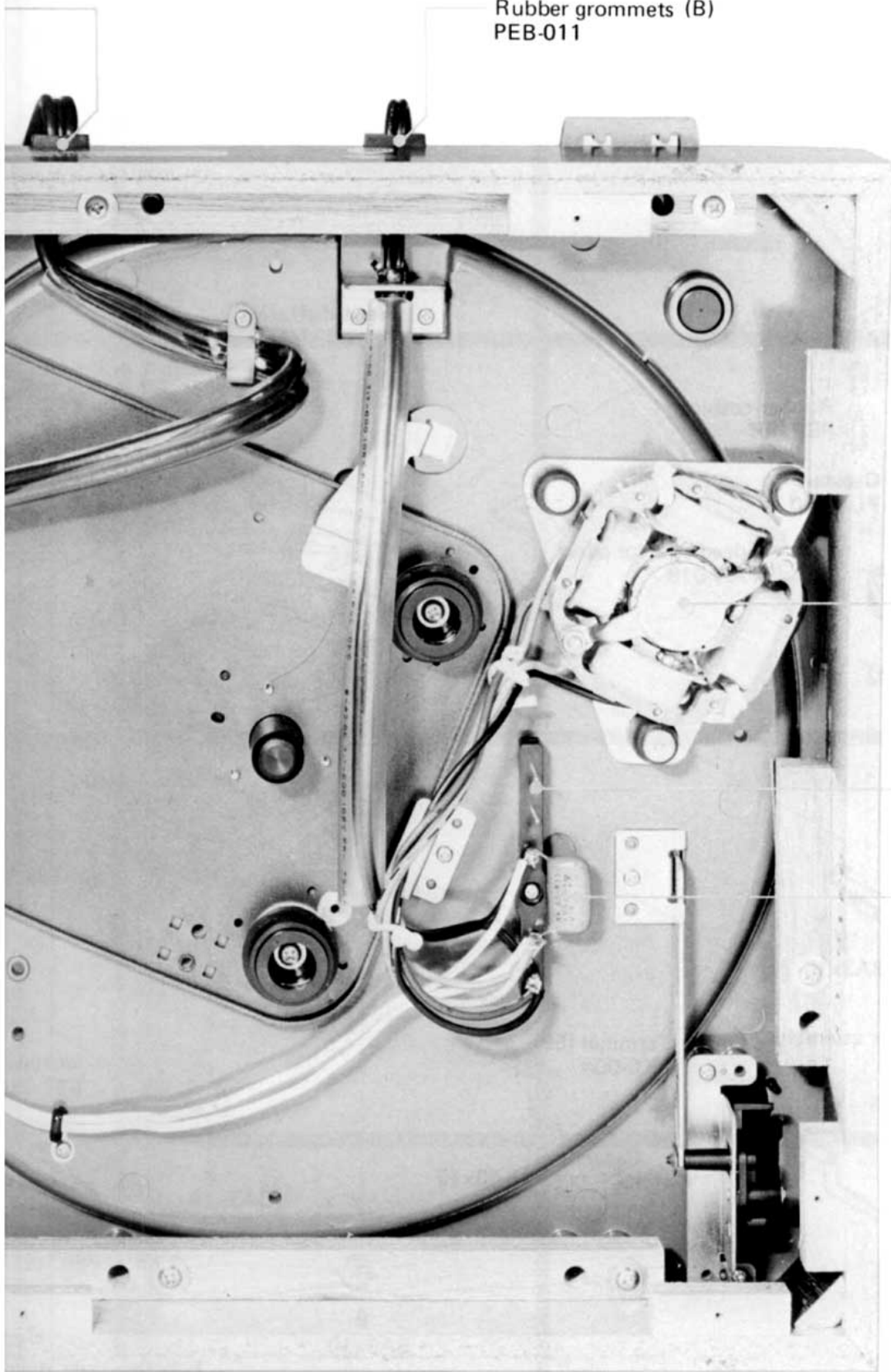


Rubber grommets (B)  
PEB-011

Motor  
PXM-022

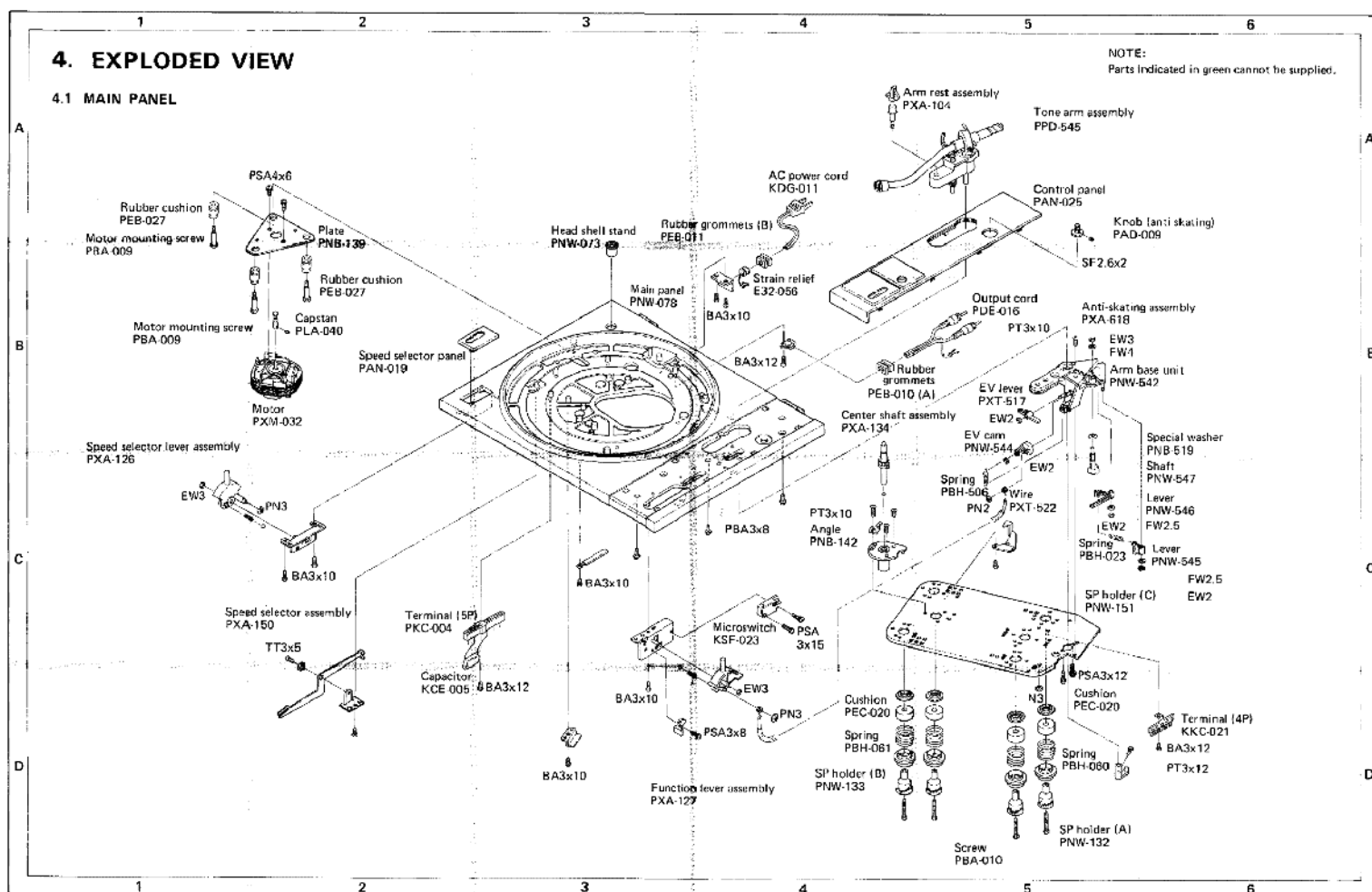
Terminal  
PKC-004

Capacitor  
KCE-005

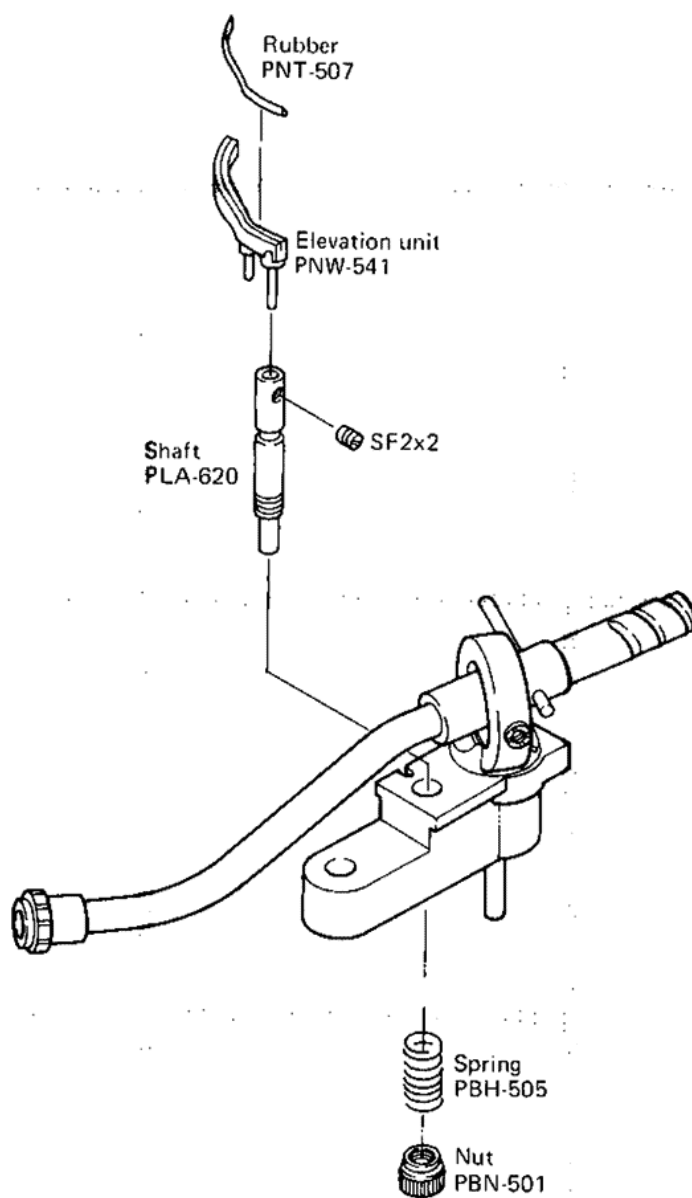


#### 4.1 MAIN PANEL

NOTE:  
Parts Indicated in green cannot be supplied.



## 4.2 TONE ARM

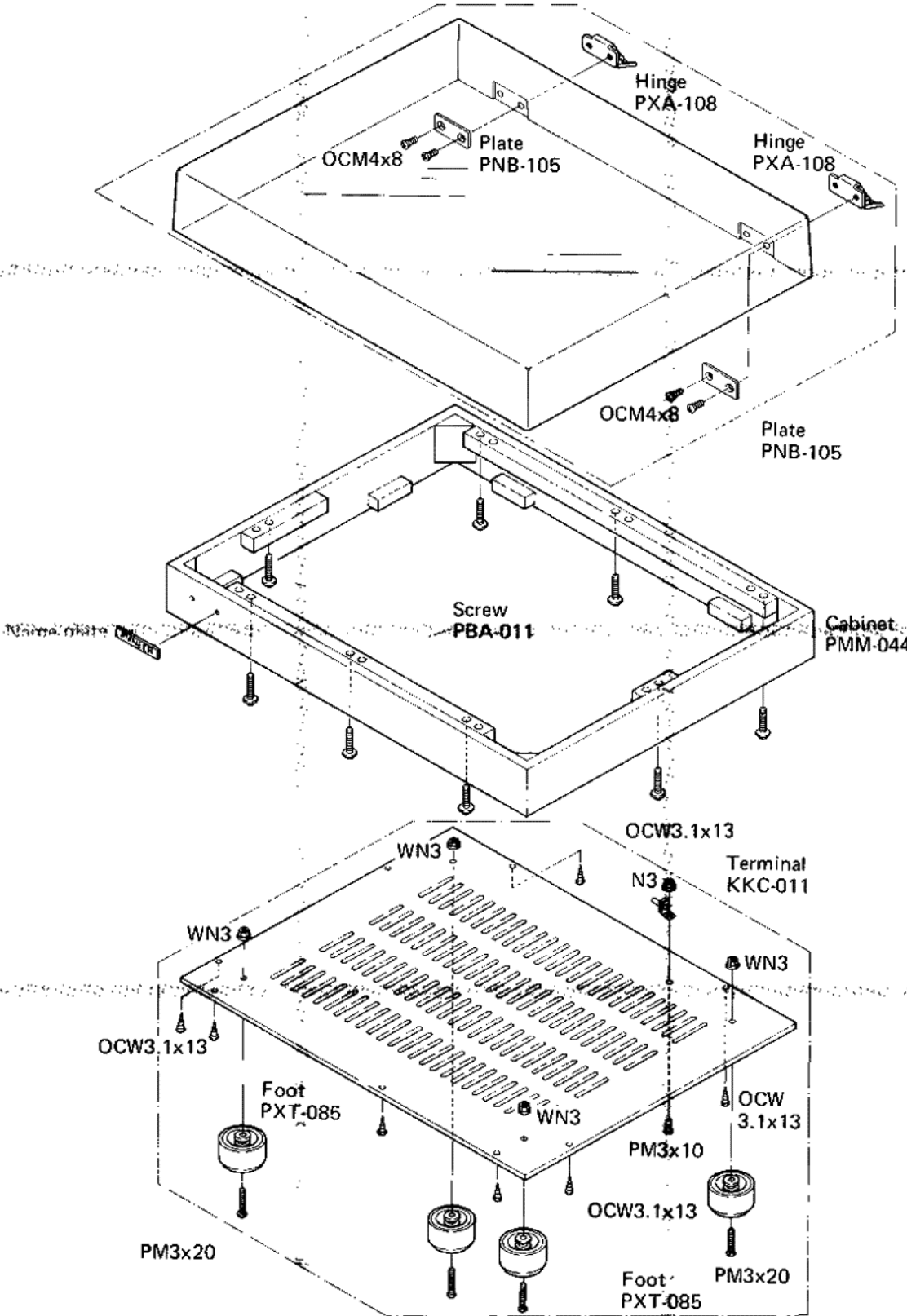


# 4.3 CABINET

Dust cover assembly  
PXA-159

NOTE:

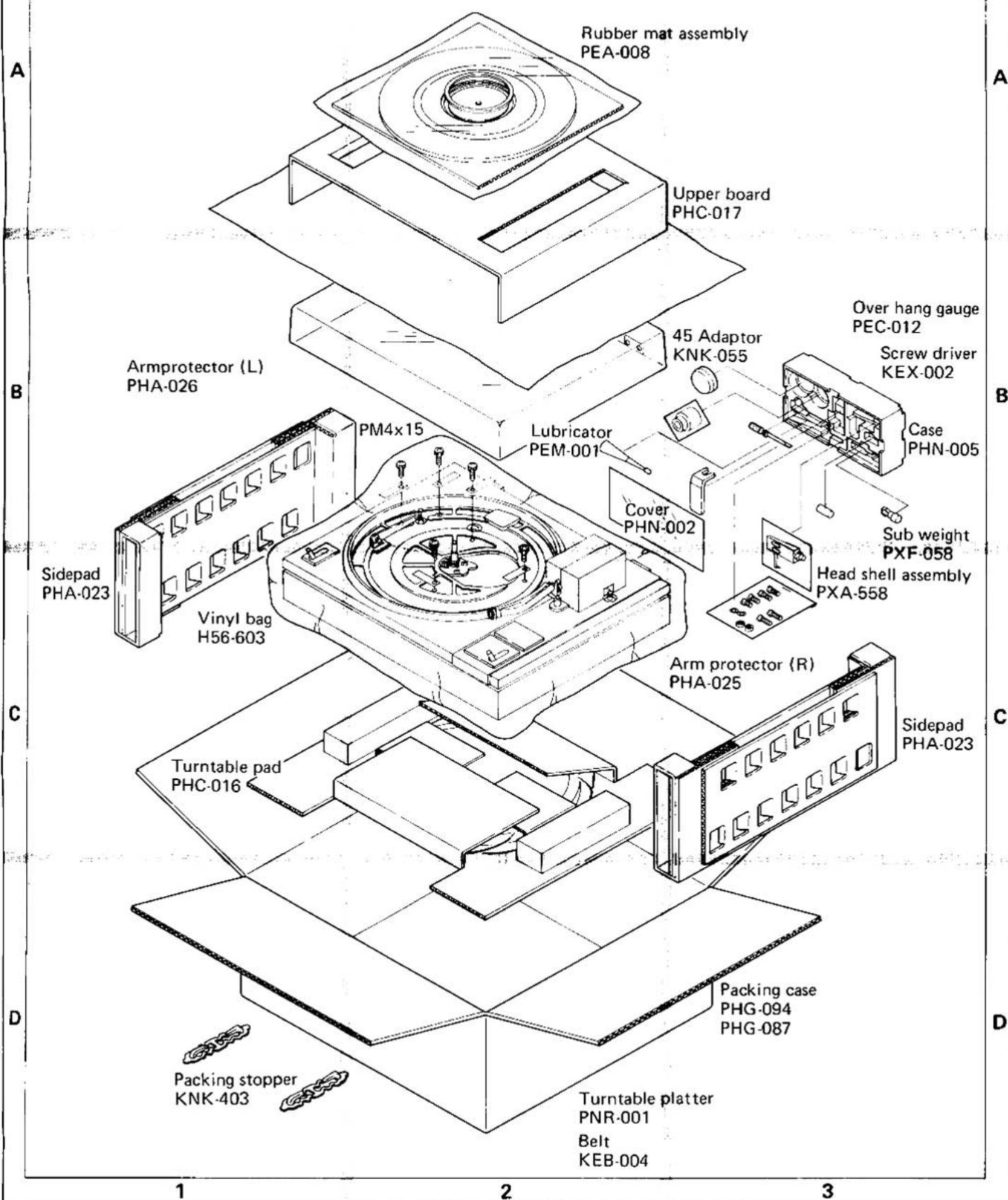
Parts indicated in green cannot be supplied.



## 4.4 PACKING

### NOTE:

Parts indicated in green cannot be supplied.



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