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# KENWOOD

HI/FI STEREO COMPONENTS

# SERVICE MANUAL

## KD-5070 (KD-5077)\*

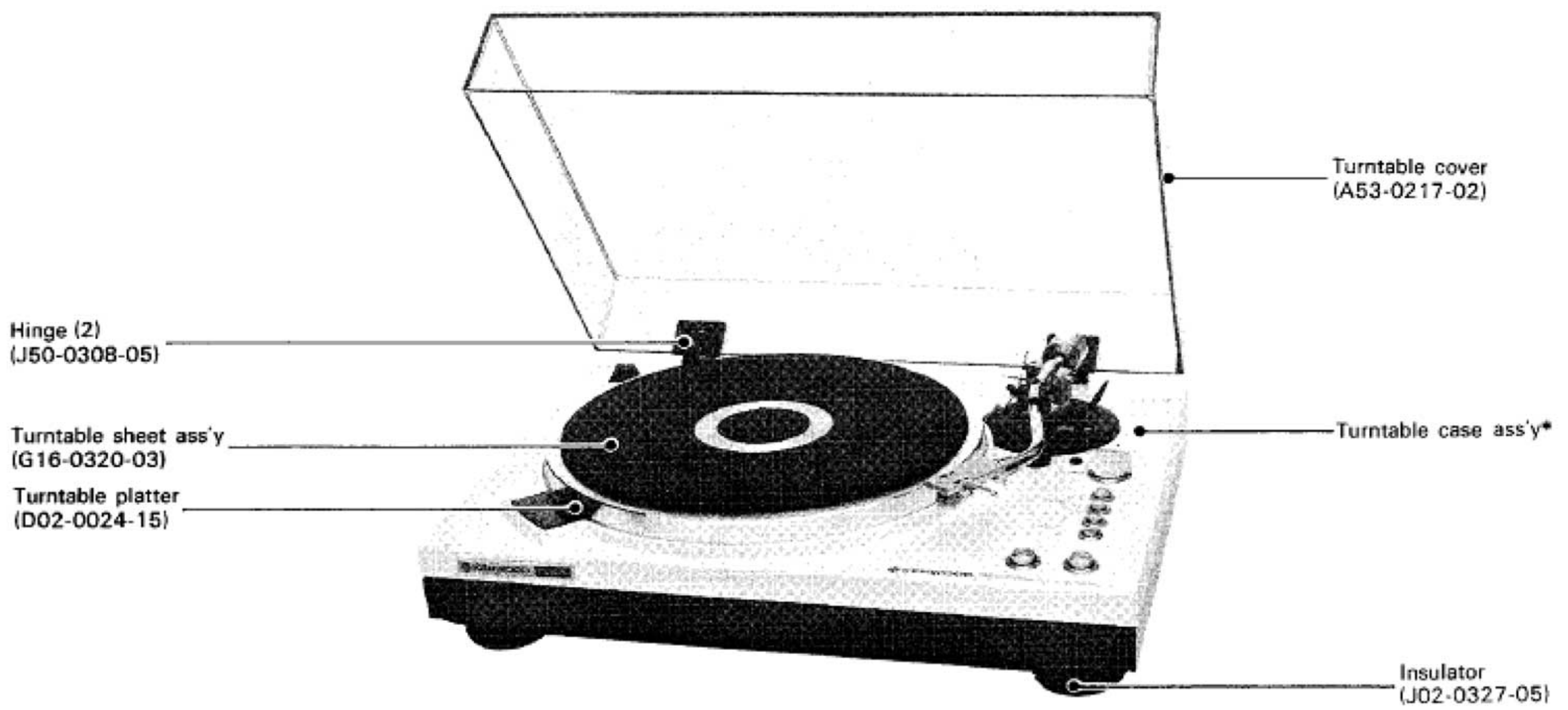
\*Refer to page 7.



## STEREO TURNTABLE



## EXTERNAL VIEW



\* Refer to Destinations' Parts List.



# INTERNAL VIEW

Shell stand  
(J09-0303-14)

Lamp cover  
(F07-0617-14)

Selector knob  
(K21-0604-24)

Knob  
(K23-0629-04)

Speed selector button  
(K29-0643-04)

Pushbutton (B)  
(K29-0642-04)

Pushbutton (A)  
(K29-0641-04)

Neon tube holder  
(J19-1254-33)

DD motor  
(T43-0009-05)

Power supply  
PC board ass'y\*

Power transformer\*

Part of operation

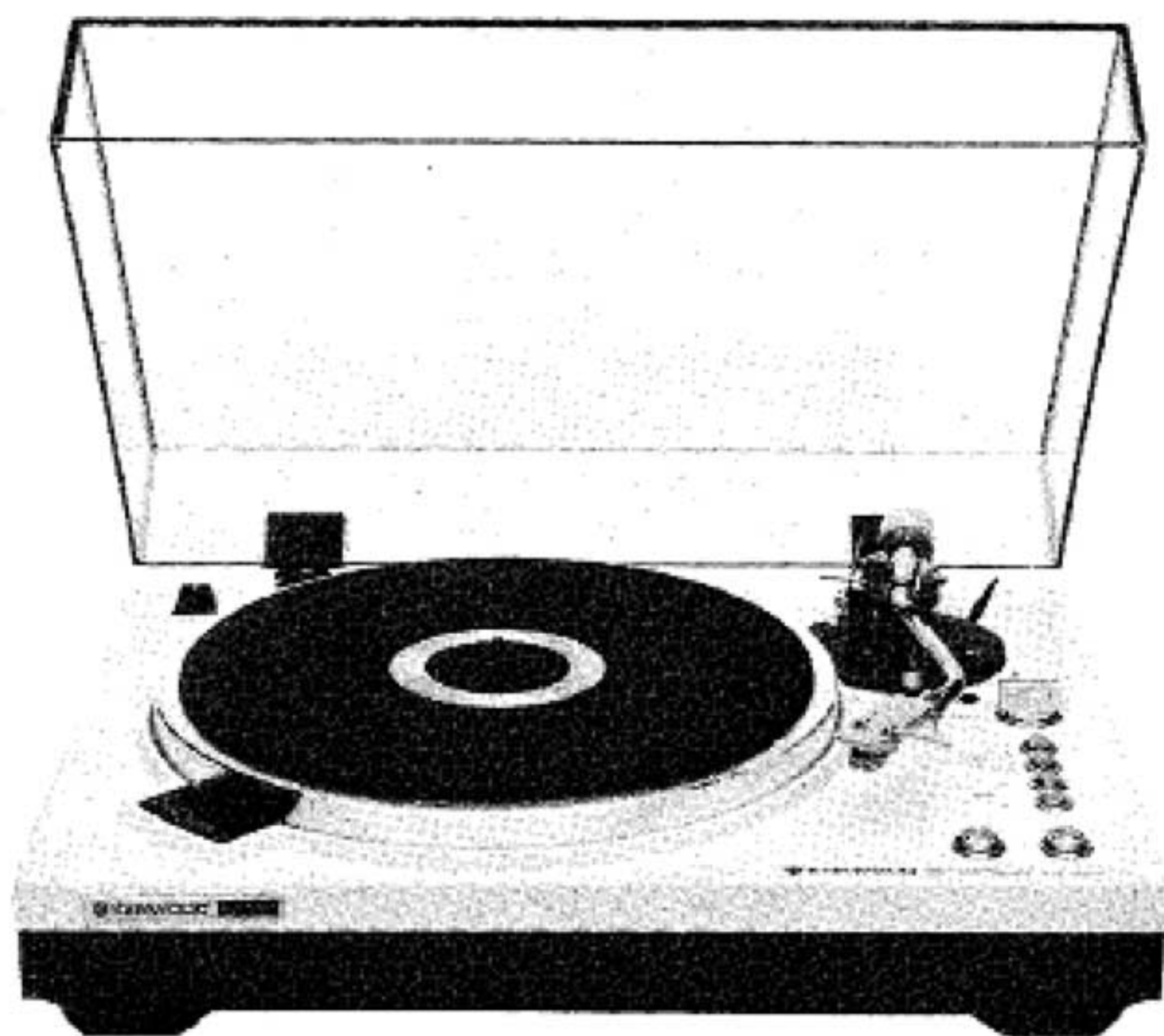
Automatic mechanism\*

\* Refer to Destinations' Parts List.



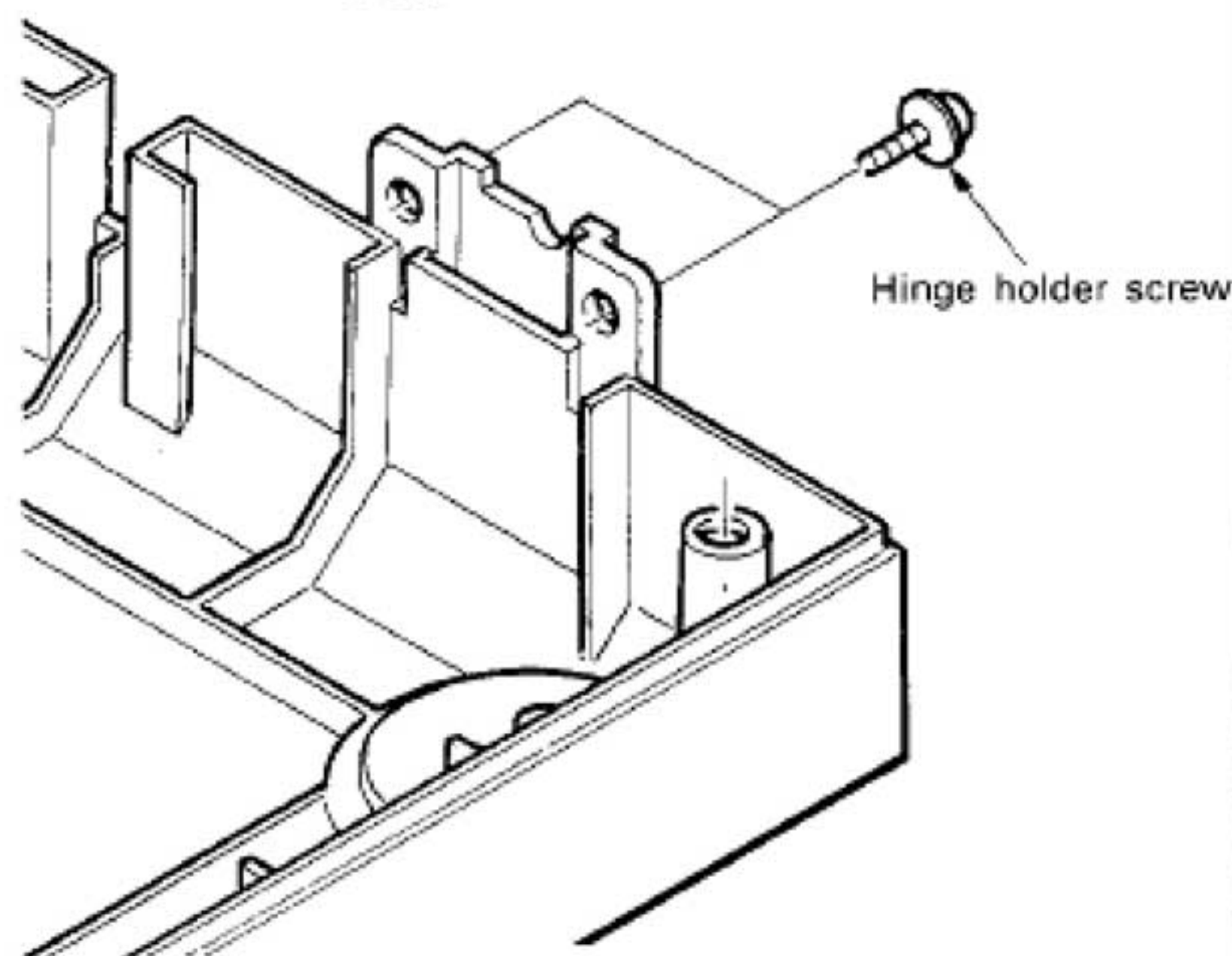
# DISASSEMBLY FOR REPAIR

When mounting the parts on the case, refer to exploded view in detail on page 10 and 11 as the screw is different between KD-5070 and KD-5077.



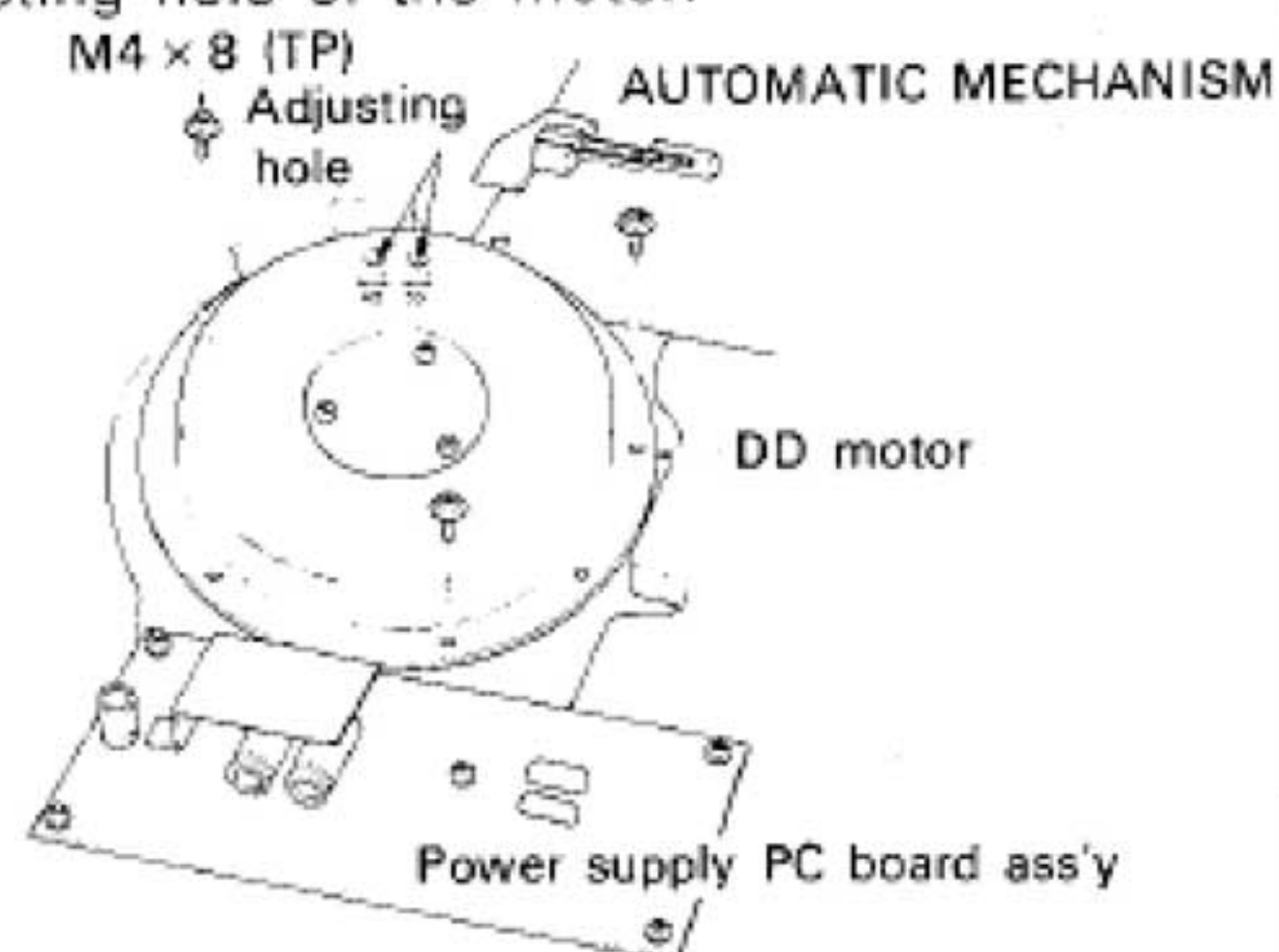
## BOTTOM CASE

When separating the bottom case from the turntable case, remove the screws fixed the bottom case from the bottom side and the hinge holder from the rear side.



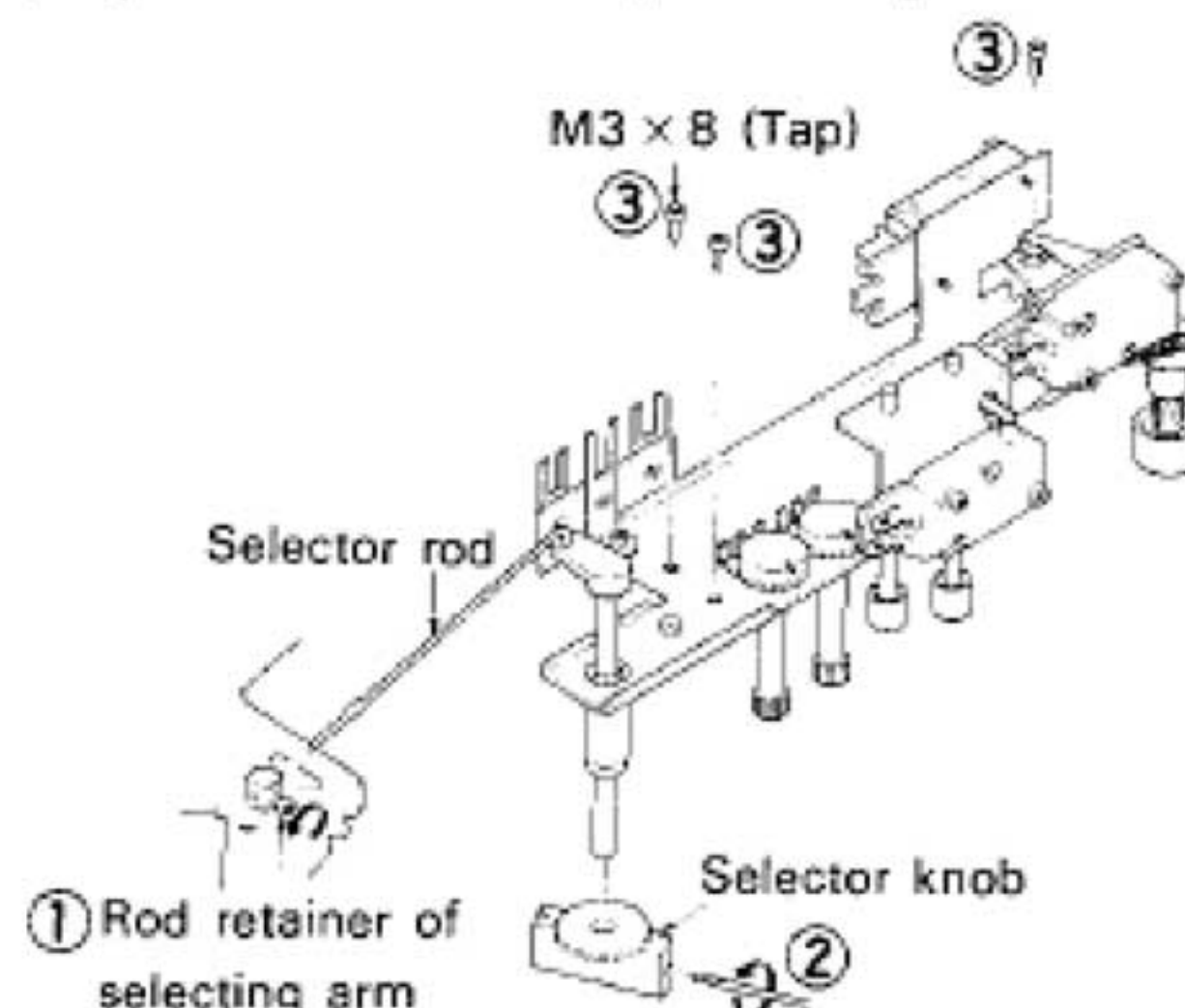
## MOTOR

Remove the 3 screws from the bottom side. When mounting the motor, set the speed adjusting hole of the motor near the automatic mechanism ass'y and confirm that the hole of the bottom case agrees with adjusting hole of the motor.



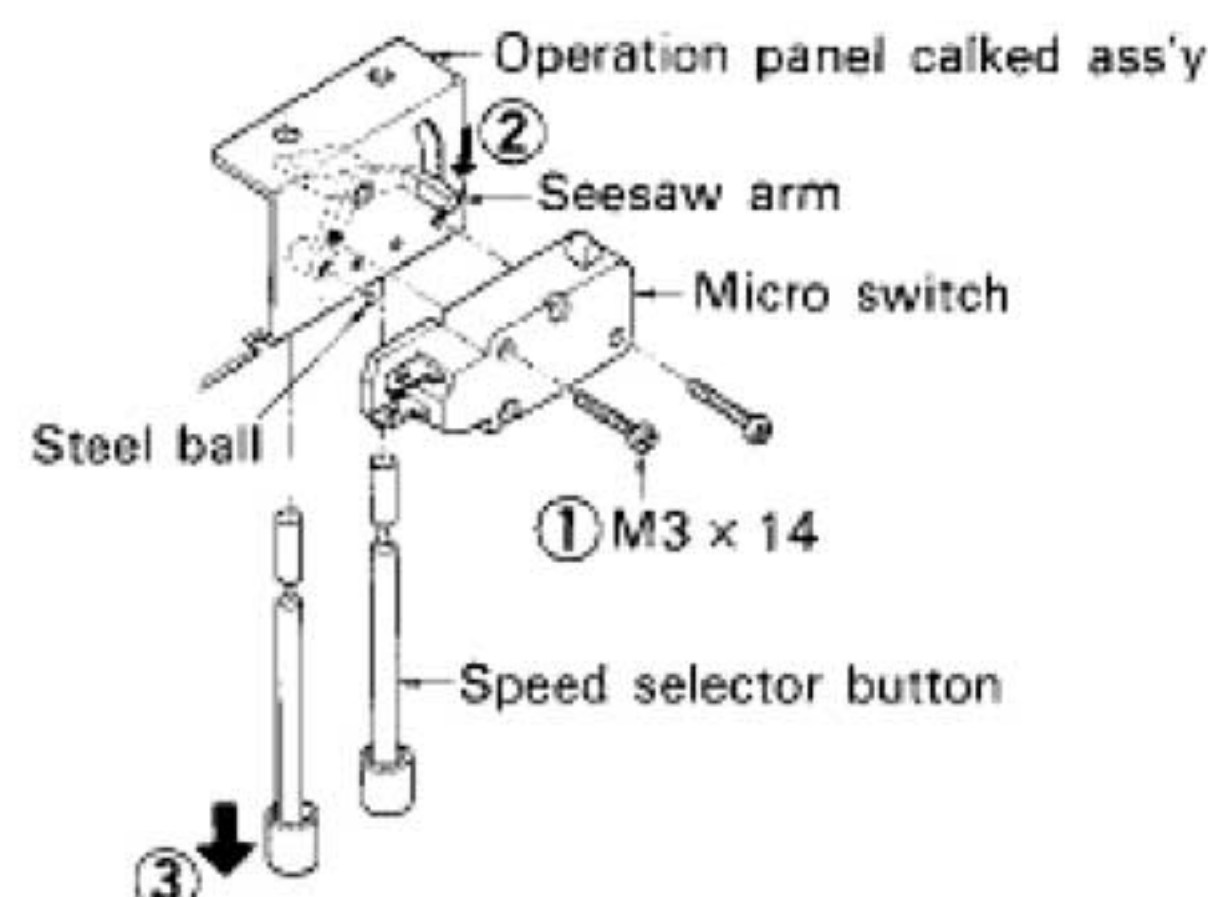
## OPERATION PANEL CALKED ASS'Y

Remove the selector rod from the rod retainer of the selecting arm calked ass'y. Then remove the selector knob and unscrew the 3 screw fixing the operation panel calked ass'y to the guide.



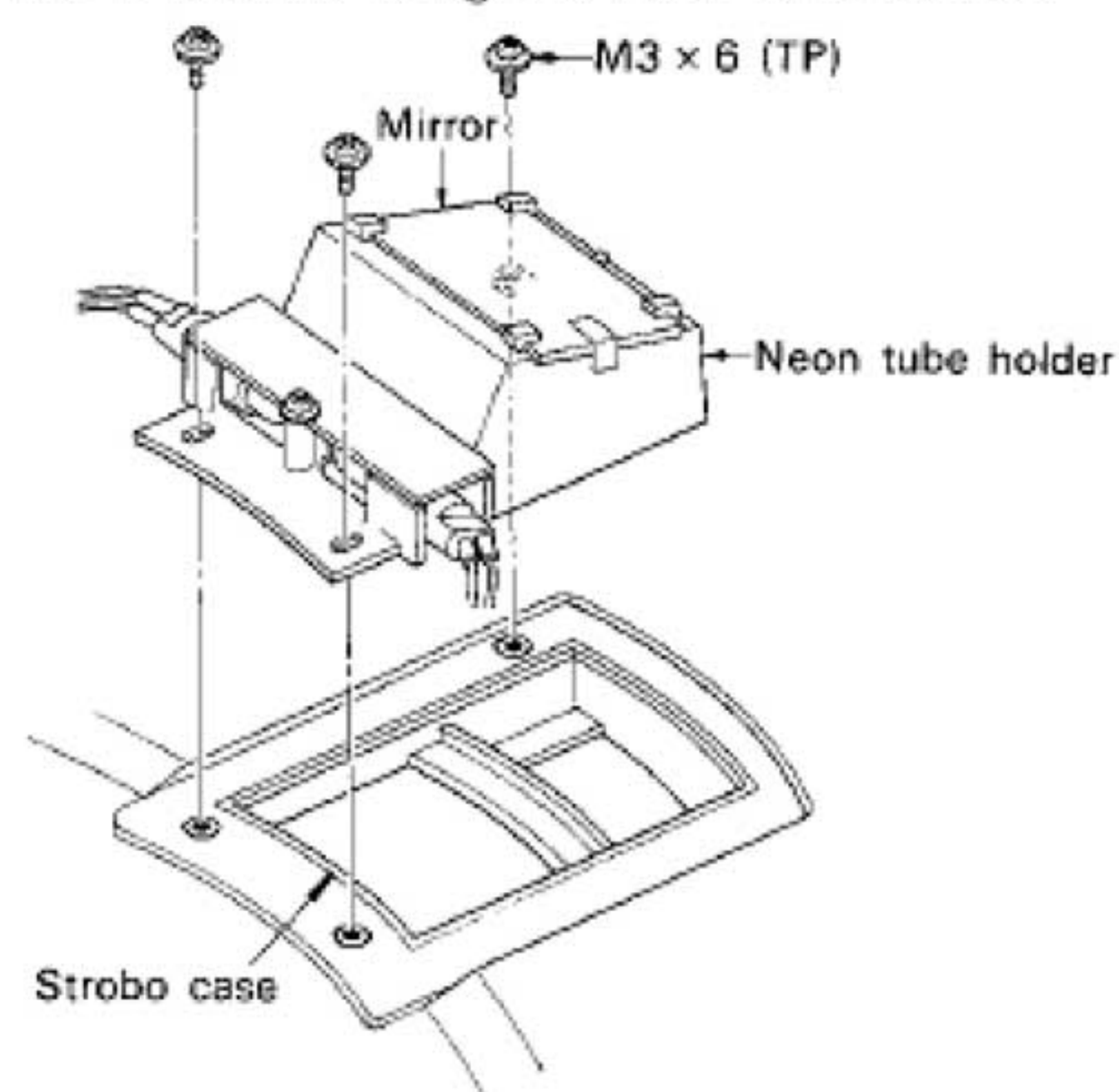
## SPEED SELECTOR BUTTON

First unscrews the 2 screws fixing the micro switch to the operation panel calked ass'y ①. Then turn the seesaw arm to fully downward ②. As the steel ball is pushed out at the hole of the operation panel calked ass'y at this time, don't lose it. Pull out the knob ③.



## NEON TUBE HOLDER

Unscrew the 3 screws fixing the neon tube holder.

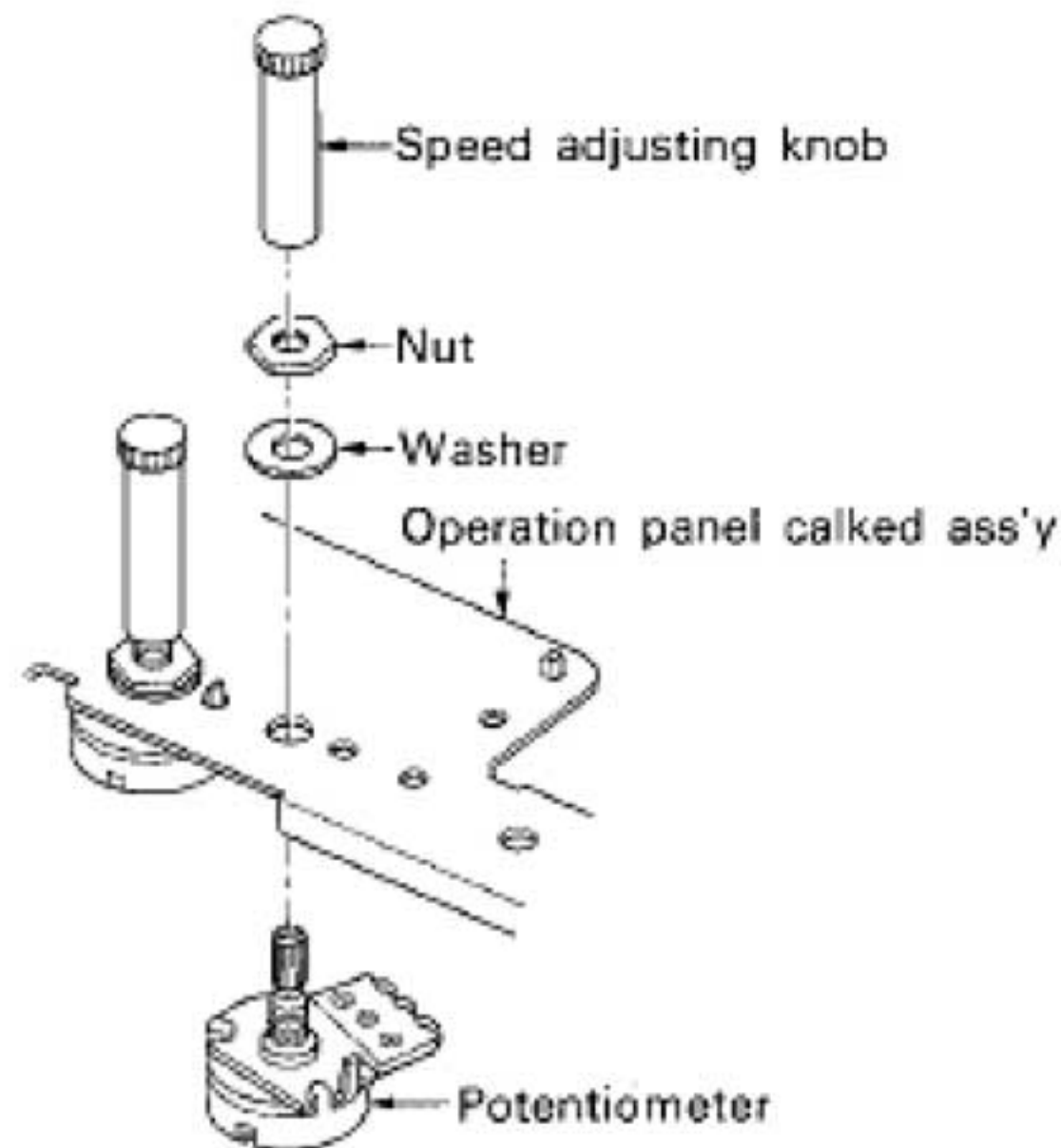




# DISASSEMBLY FOR REPAIR

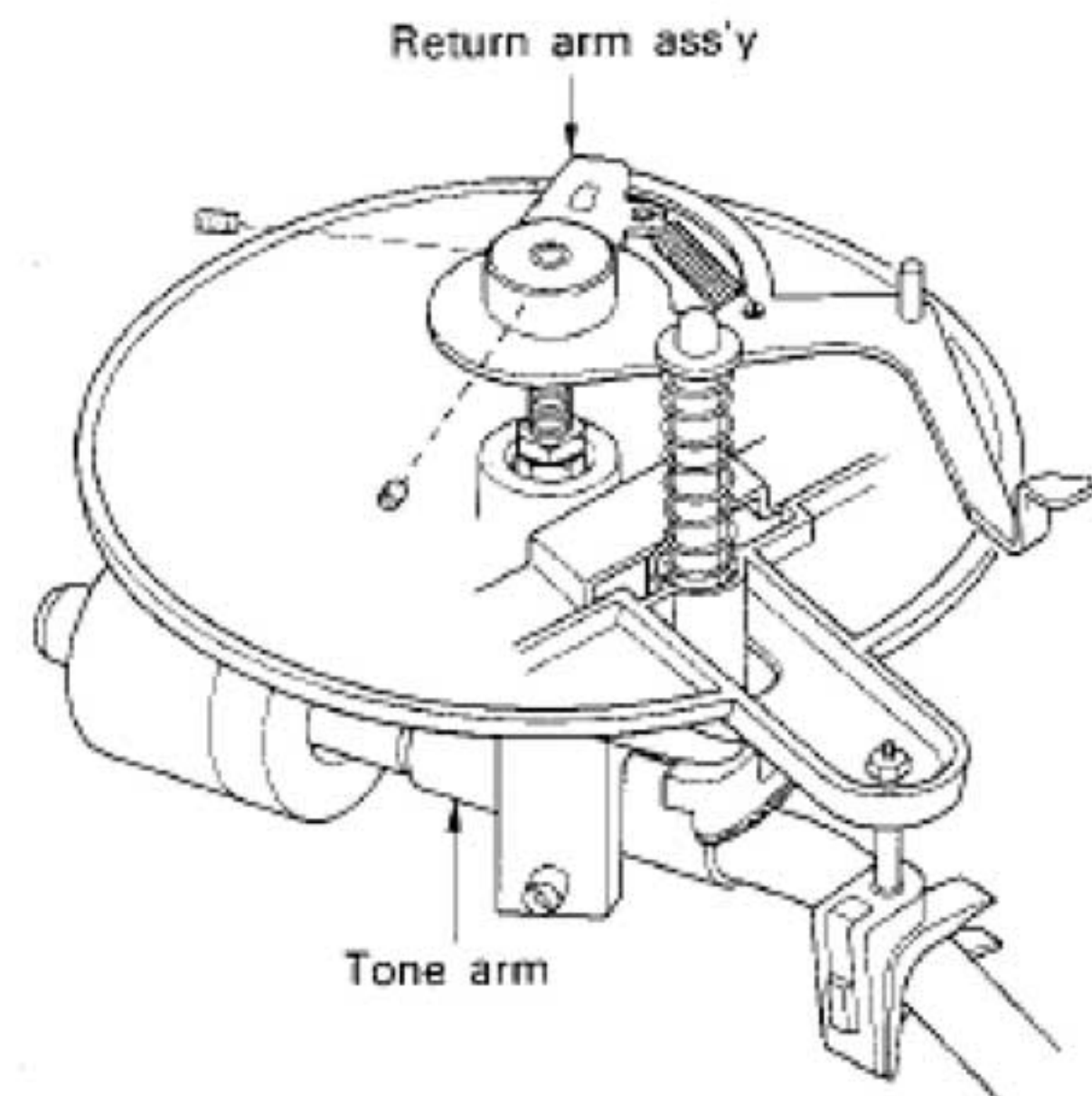
## POTENTIOMETER

Pull the speed adjusting knob out and unscrew the nut of the potentiometer.



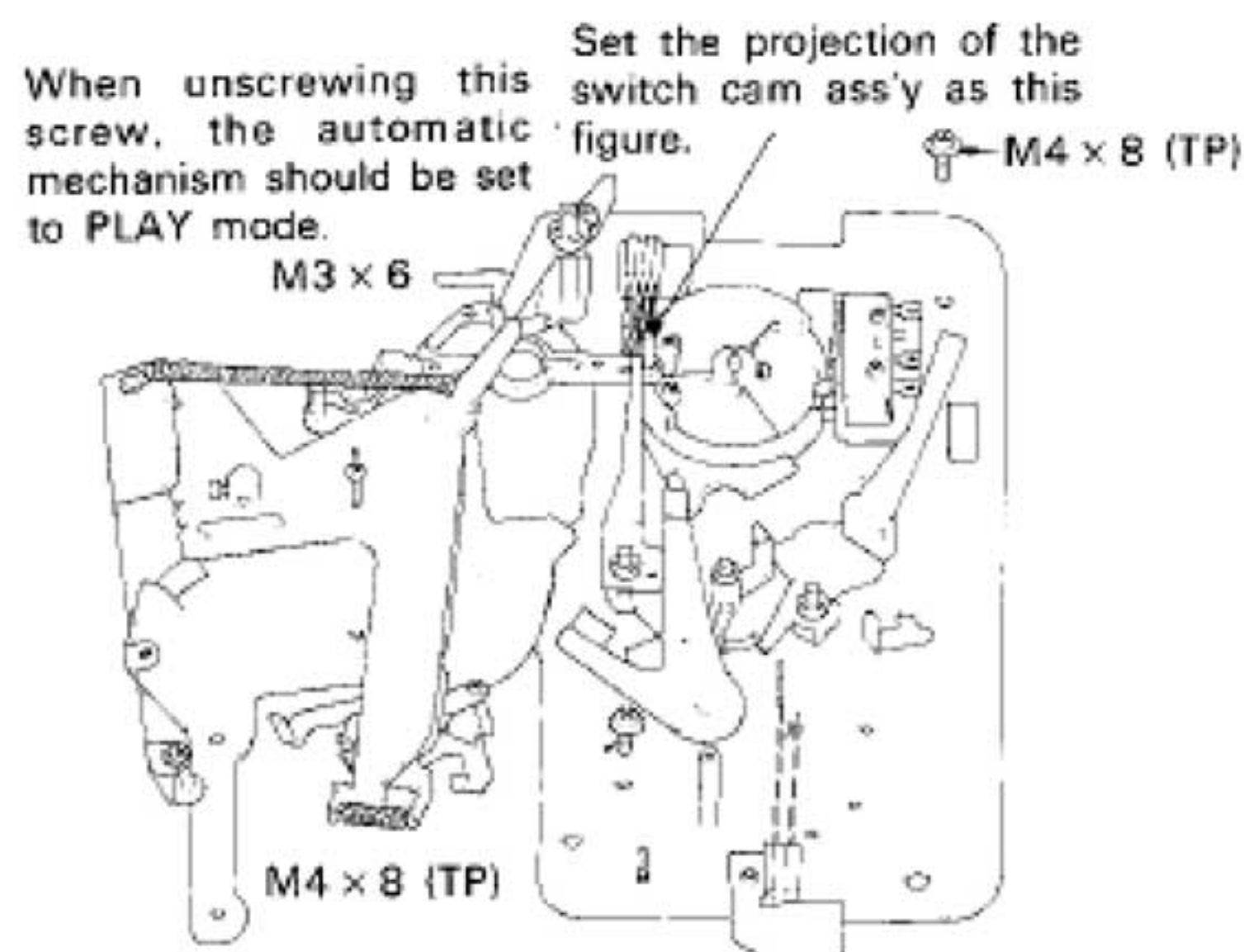
## RETURN ARM ASS'Y

The return arm is fixed by 2 set screws.



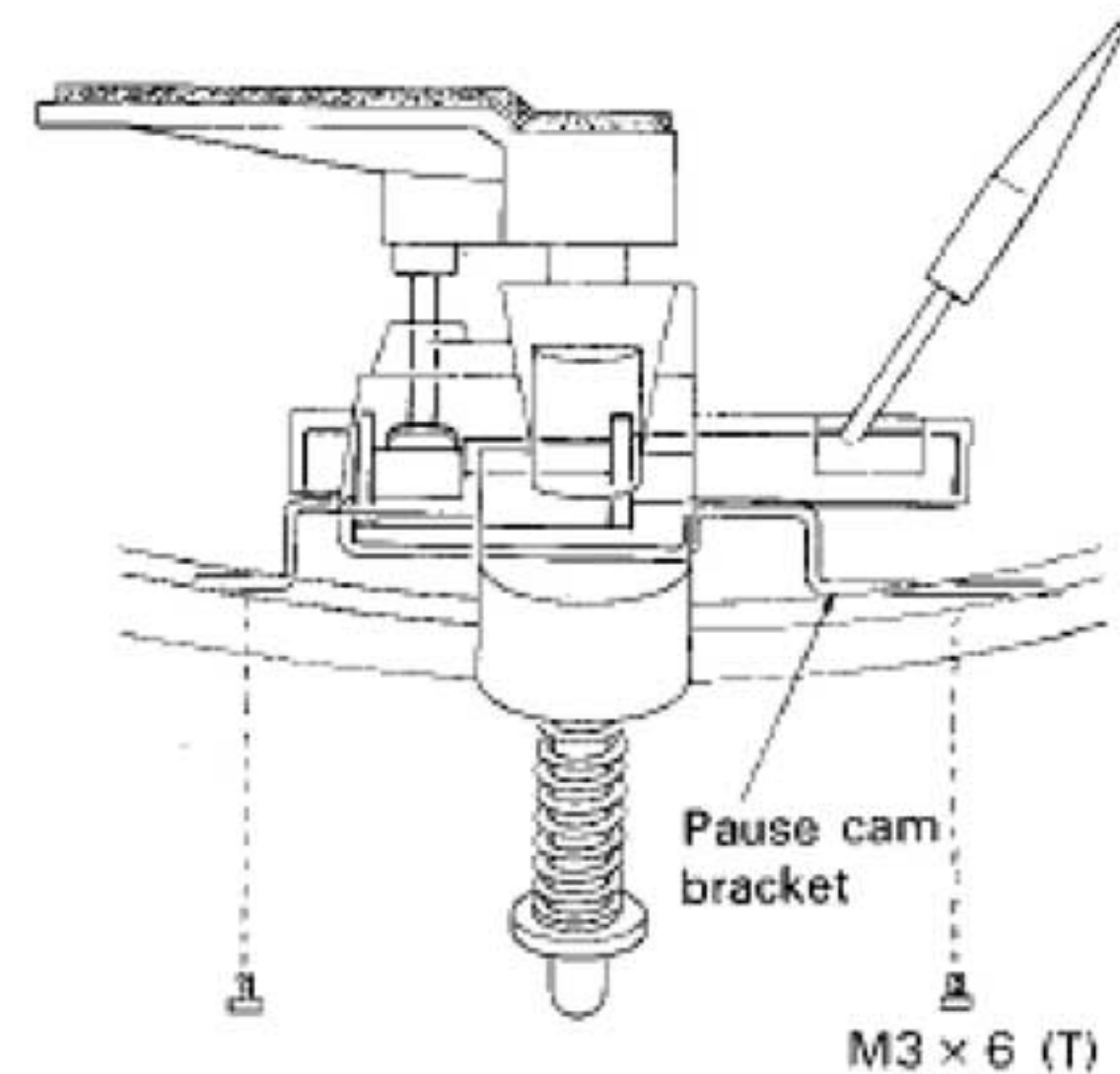
## AUTOMATIC MECHANISM

When removing the automatic mechanism, remove the 3 screw fixing it to the turntable case.



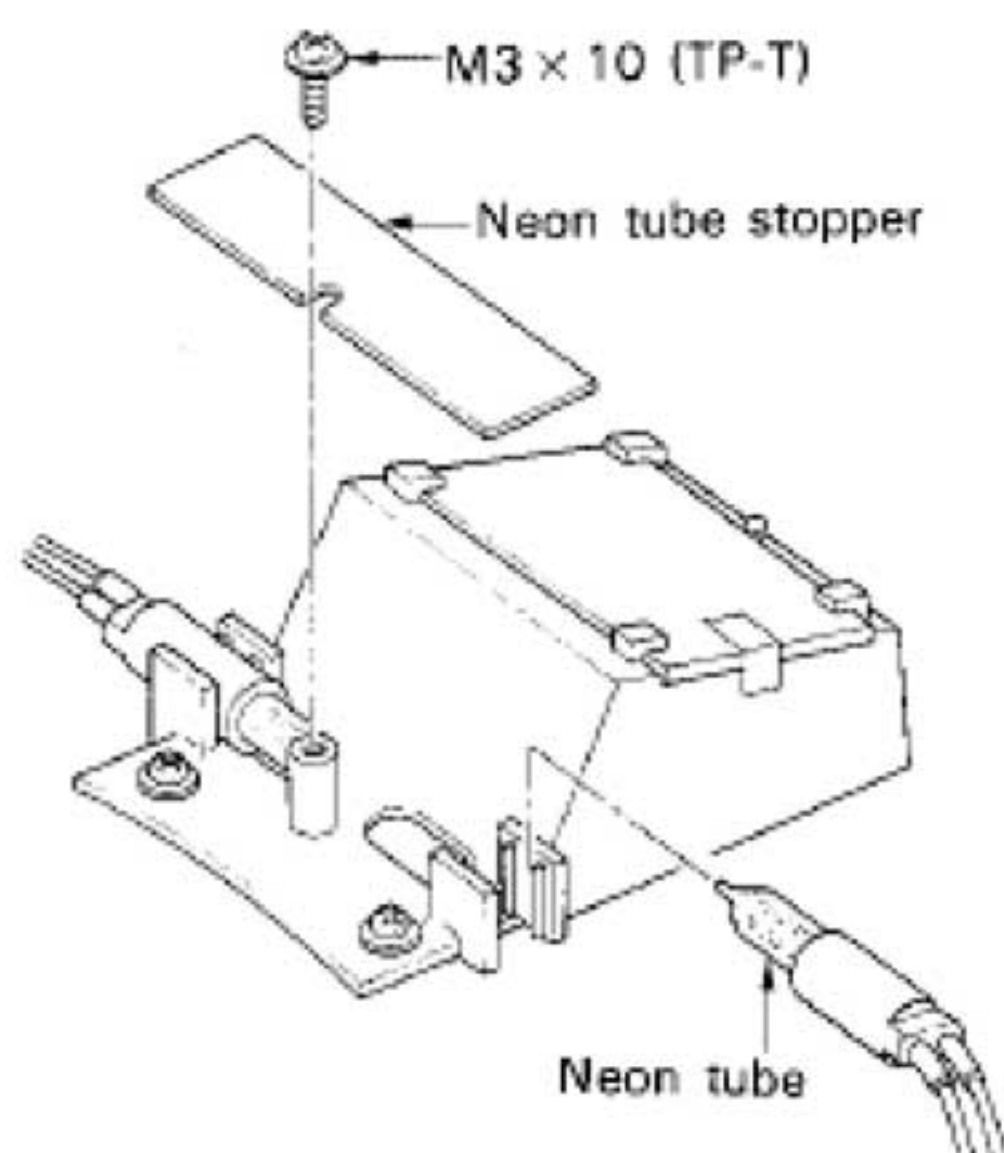
## PAUSE CAM

The pause cam is supported by the pause cam bracket which is fixed by 2 screws.



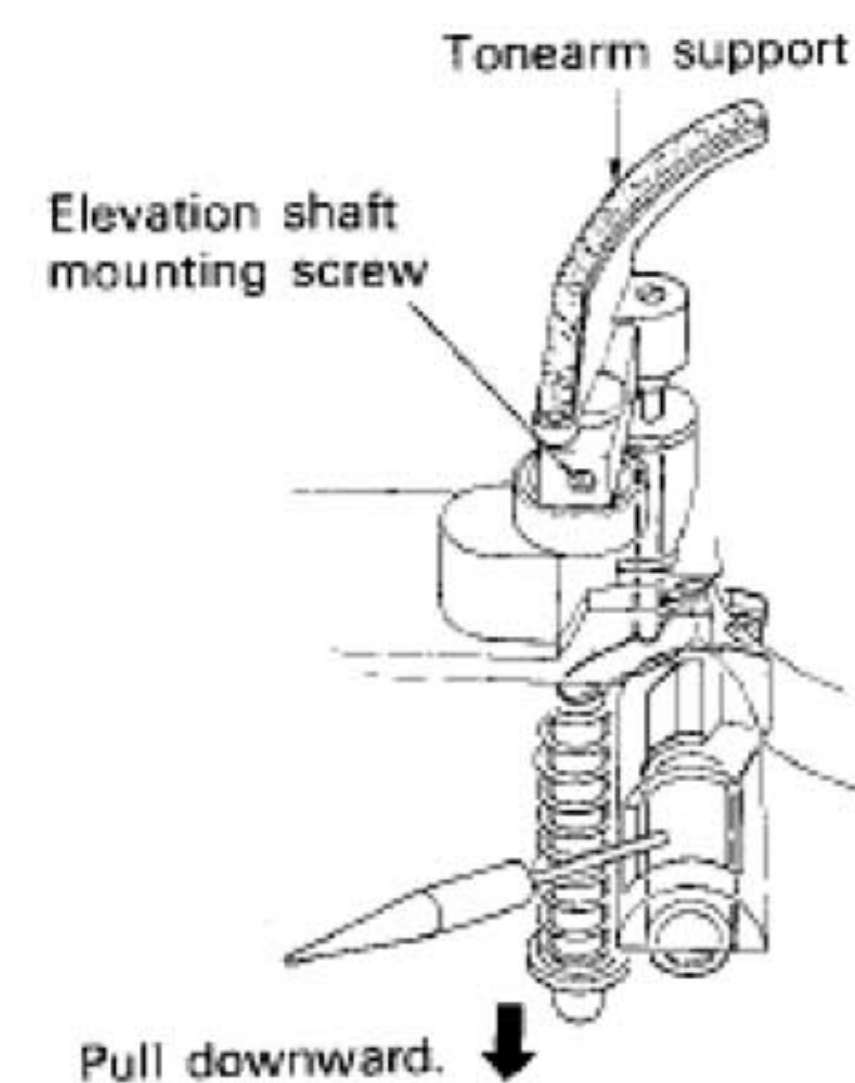
## NEON TUBE

When replacing the neon tube, loose the screw fixing the neon tube stopper and remove the stopper.



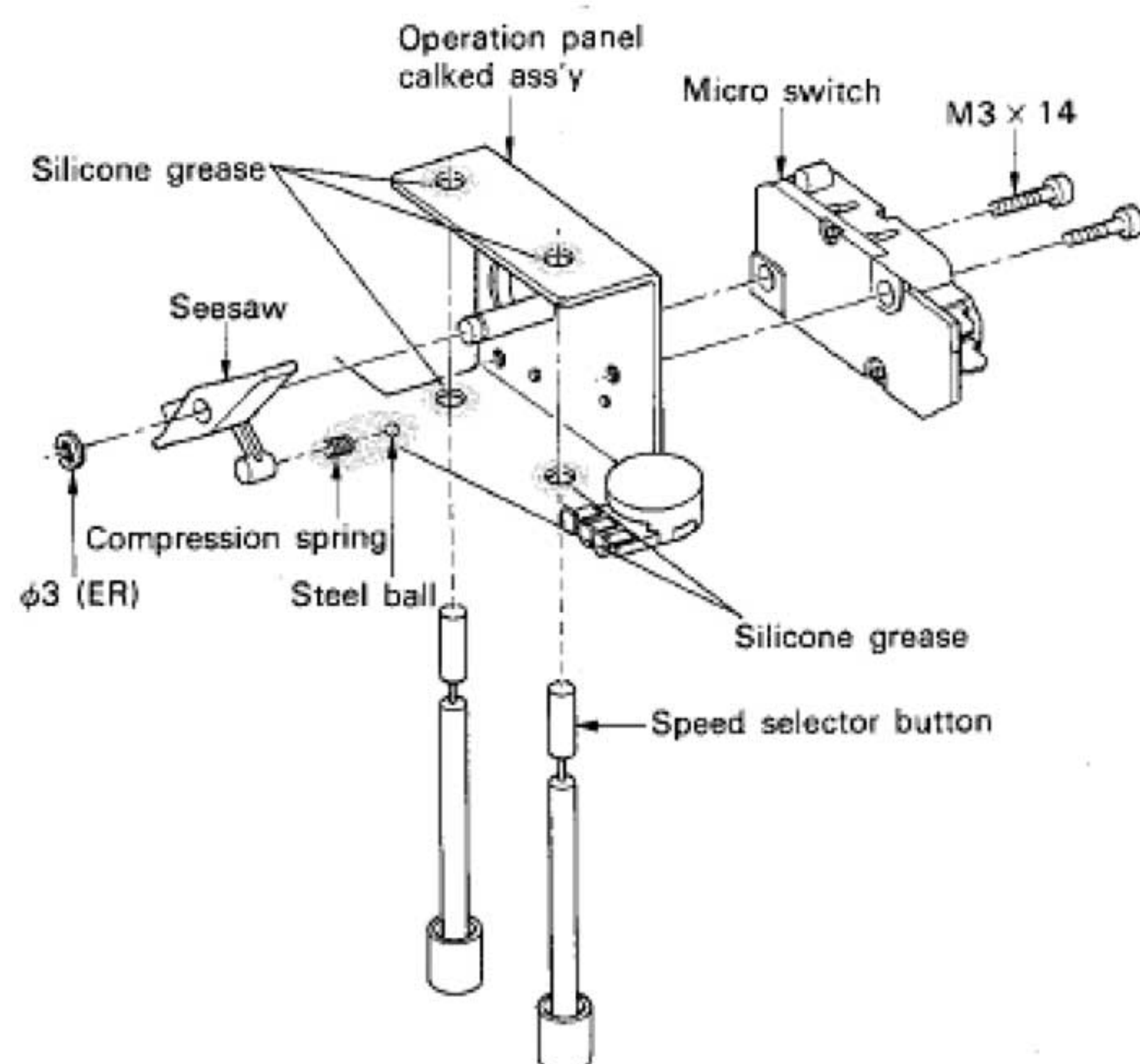
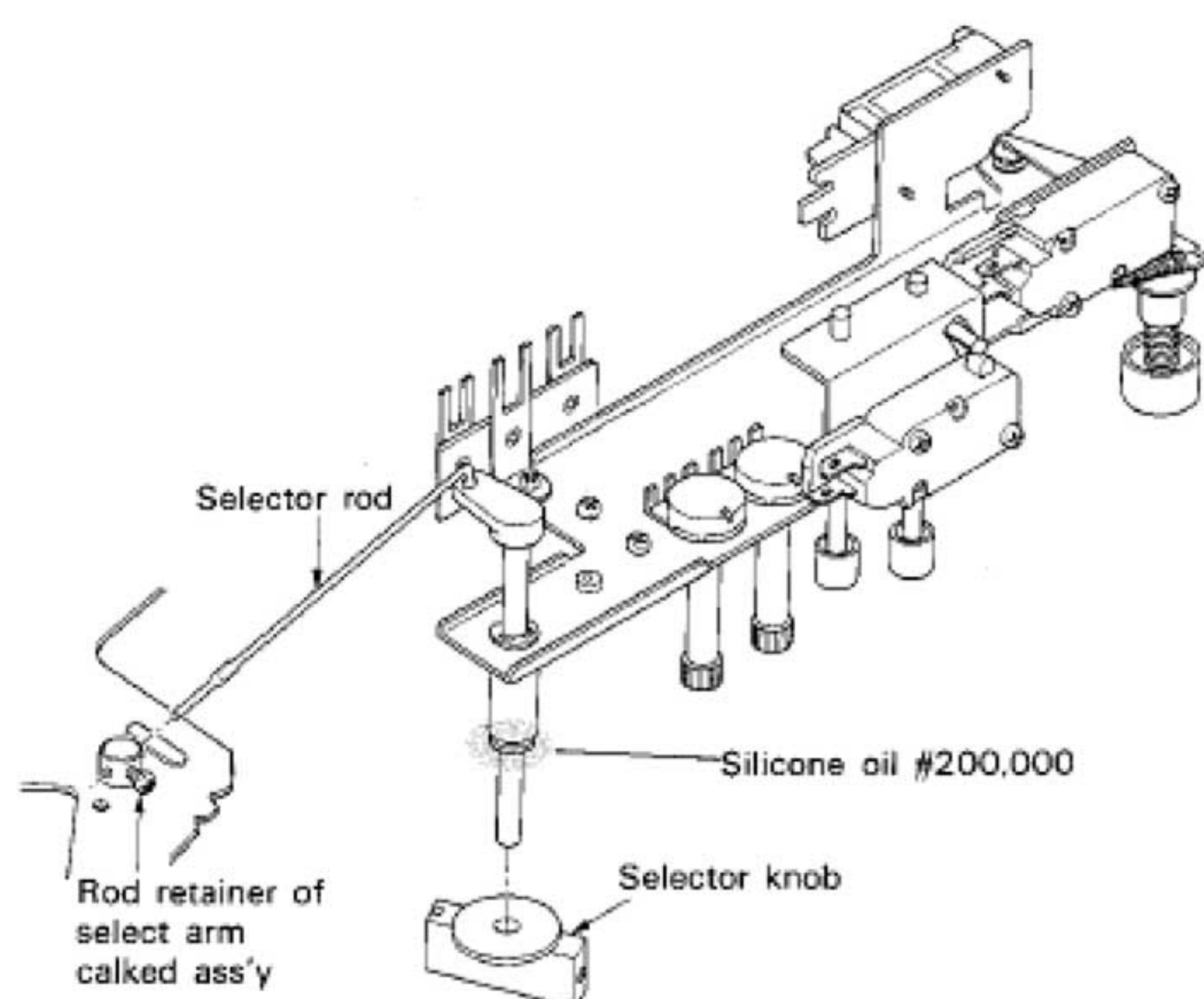
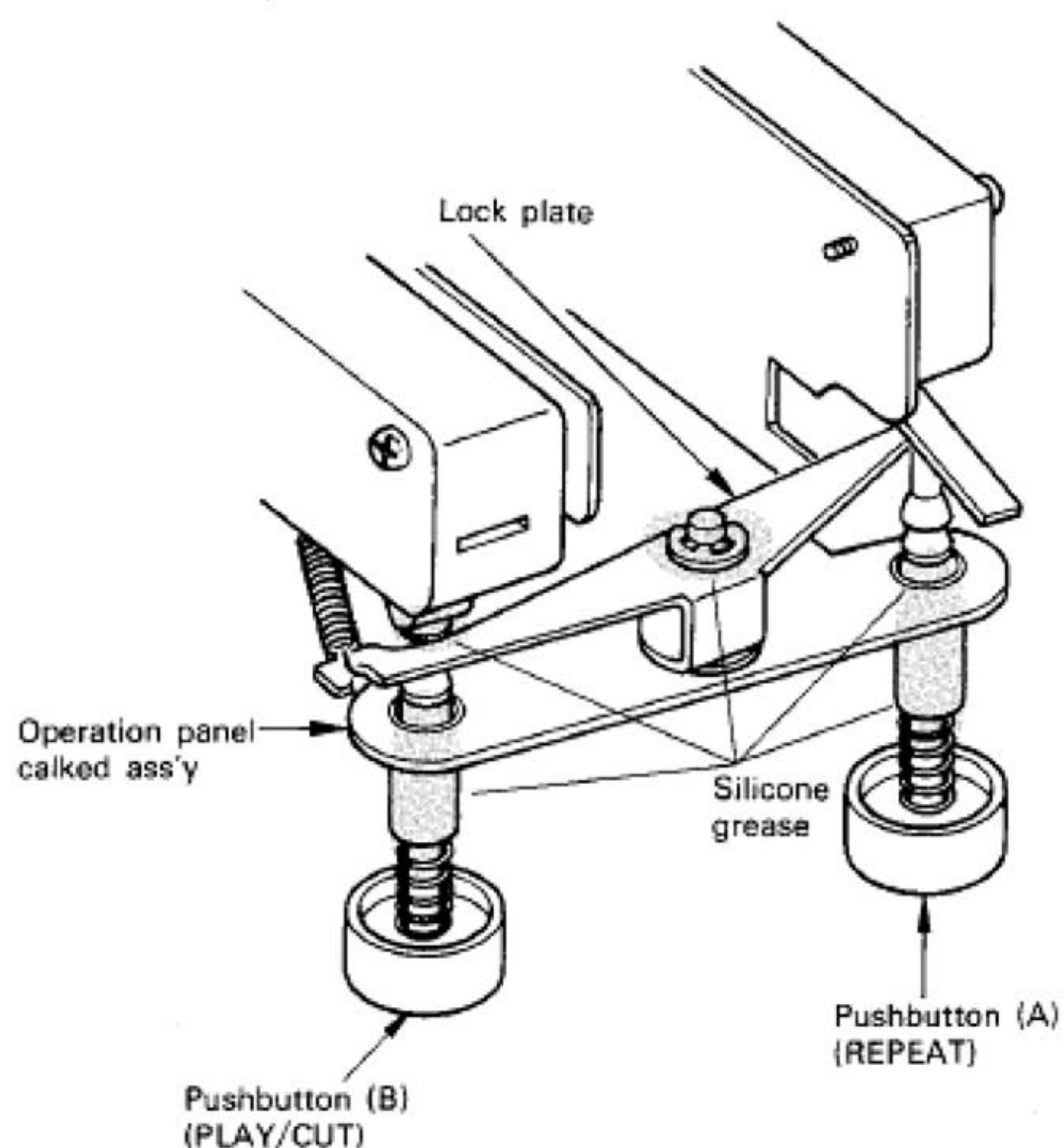
## ELEVATION SHAFT

Remove the screw holding the elevation shaft on the tonearm support, then remove the elevation shaft from the bottom side.



# LUBRICATIONS

On lubrication of automatic mechanism, pause, and filter mechanism, refer to KD-5066 and KD-3070 service manual.



| Oil  | Parts No.   | Remark |
|--|-------------|--------|
| Silicone grease  | W01-9990-00 |        |
| Silicone oil (#100,000)  | W01-9989-00 | 100 cc |
| Silicone oil (#300,000)  | W01-9991-00 | 100 cc |
| <b>Note:</b> To make the oil of #200,000, mix #100,000 oil with #300,000 oil at the rate of 1 : 1. |             |        |

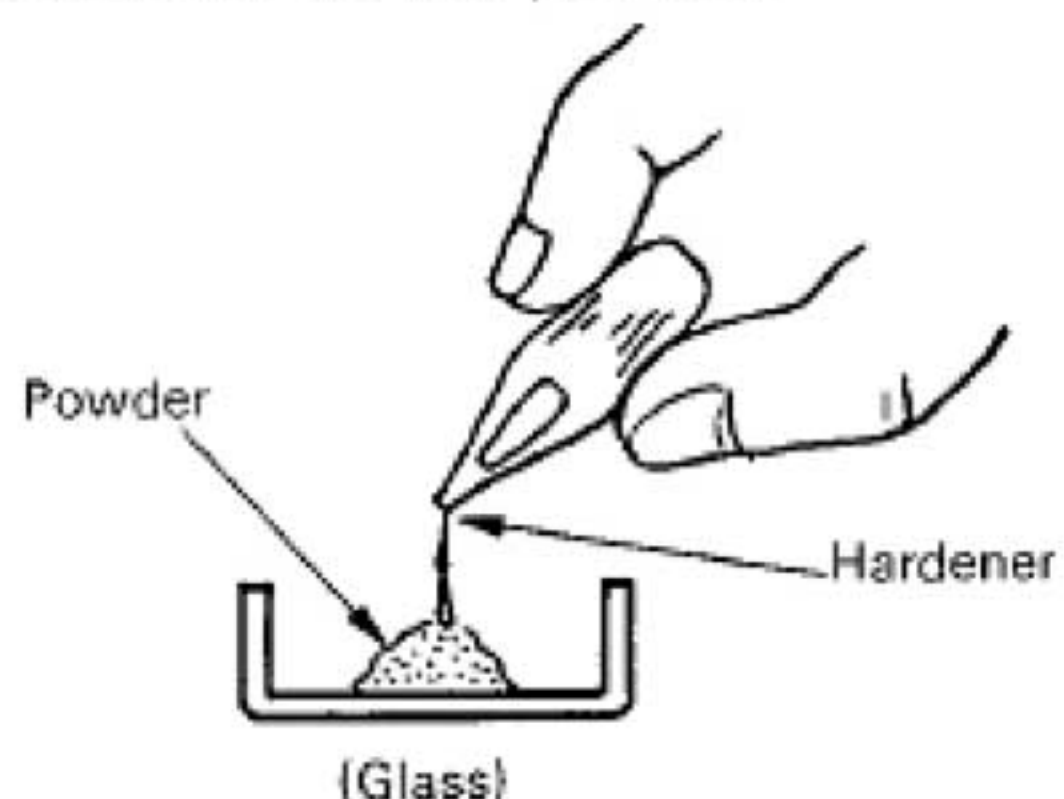


## REPAIR

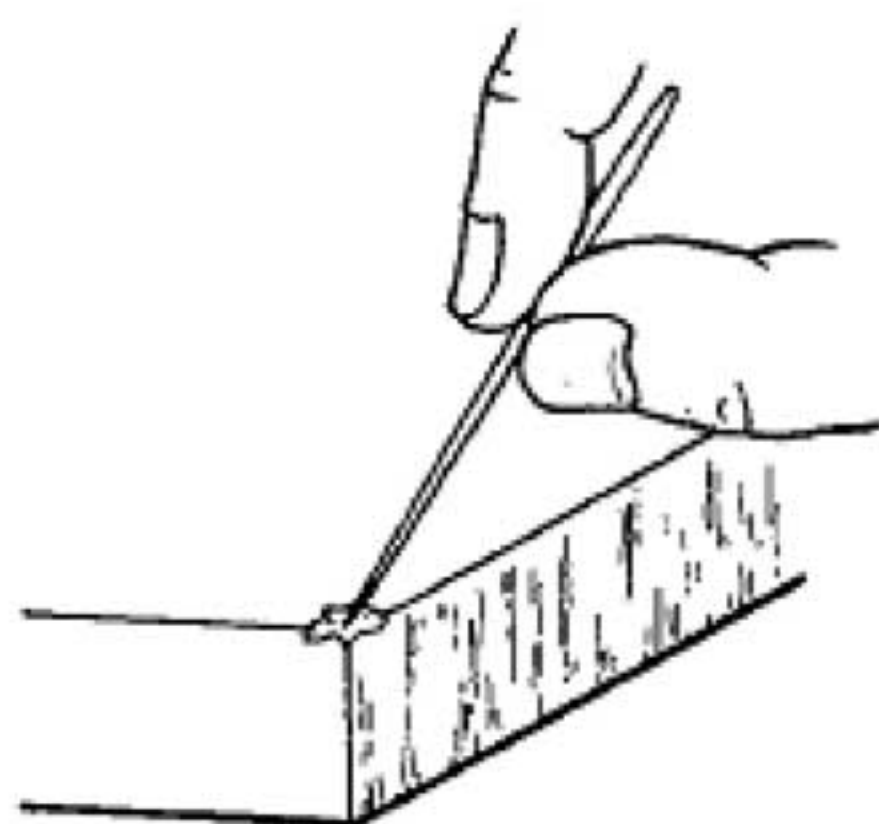
When the cabinet of KD-5070 is damaged slightly, you can repair it with mending materials.

### REPAIRING WAY

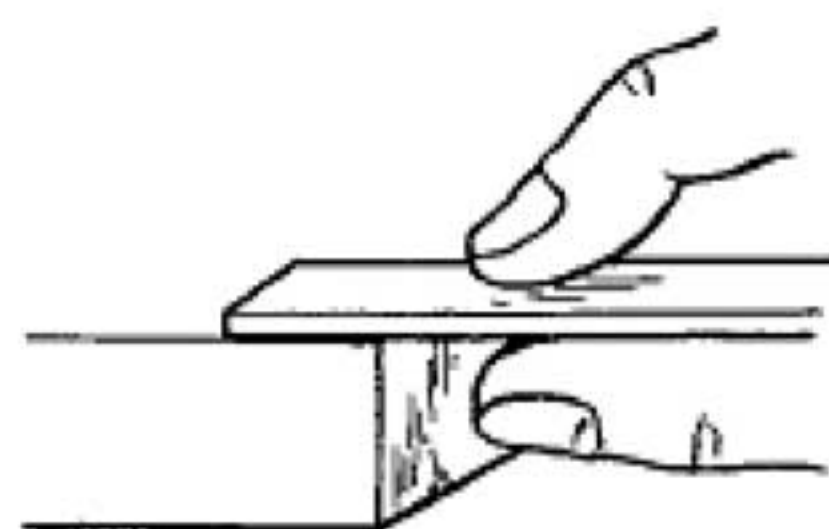
(1) Drop hardener in the powder.



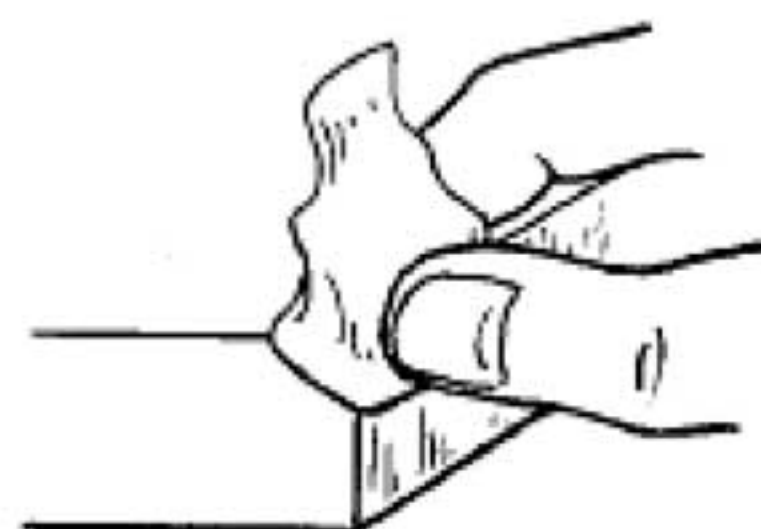
(2) Rub the powder on the repair part of the cabinet.



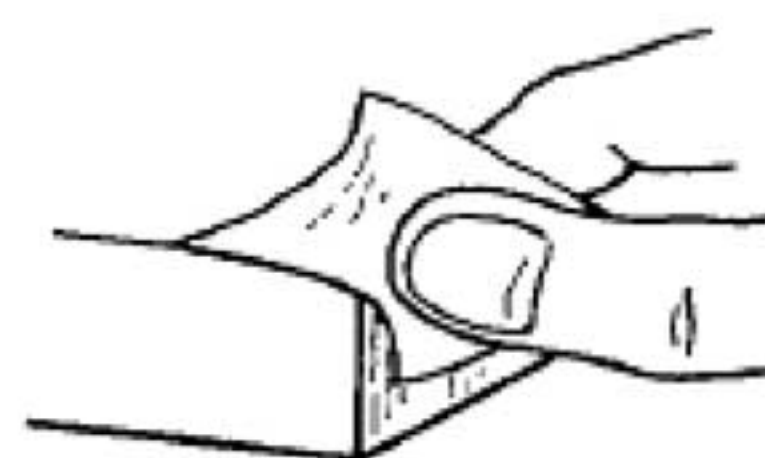
(3) File the cabinet smooth after the powder hardening.



(4) Polish with sandpaper (#400)



(5) Dress the cabinet with soft moistened silicone oil.



Mending materials' Parts No.: W09-0204-15

KD-5077 employs wooden turntable case instead of resin concrete.





## B





# EXPLODED VIEW PARTS LIST (KD-5070)

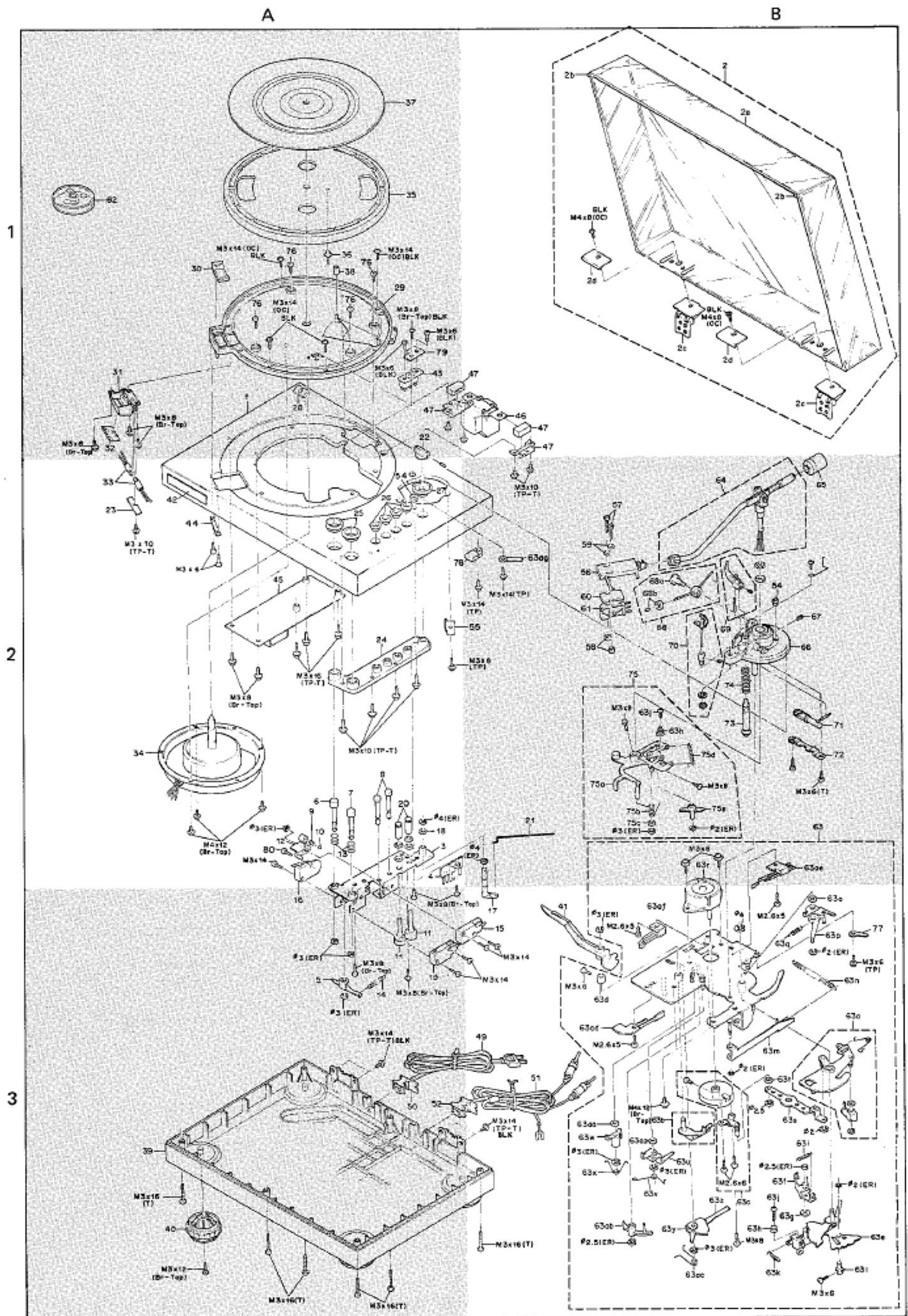
☆ : New Parts. ★ : Refer to Destinations' Parts List

| Fig. No. | Parts No.   | Description                            | Remarks |
|----------|-------------|--|---------|
| 1        | ★           | Turntable case ass'y                   | ☆ 1A    |
| 2        | A53-0216-02 | Turntable cover ass'y                  | ☆ 1B    |
| 2a       | A53-0217-02 | Turntable cover                        | ☆ 1B    |
| 2b       | G13-0405-04 | Cushion                                | 1B      |
| 2c       | J50-0310-05 | Hinge (1)                              | 1B      |
| 2d       | J50-0308-05 | Hinge (2)                              | 1B      |
| 3        | A21-0658-12 | Operation panel caked ass'y            | ☆ 2A    |
| 4        | E22-0207-05 | Lug type terminal strips               | 2A      |
| 5        | D10-0453-04 | Locking plate                          | ☆ 3A    |
| 6        | K29-0641-04 | Pushbutton (A)                         | ☆ 2A    |
| 7        | K29-0642-04 | Pushbutton (B)                         | ☆ 2A    |
| 8        | K29-0643-04 | Speed selector button                  | ☆ 2A    |
| 9        | G01-0218-04 | Compression spring                     | 2A      |
| 10       | D90-0014-00 | Steel ball                             | 2A      |
| 11       | R01-1303-05 | Potentiometer 2kΩ (B)                  | 3A      |
| 12       | D19-0211-04 | Seesaw arm                             | ☆ 2A    |
| 13       | G01-0640-14 | Compression spring                     | 2A      |
| 14       | G01-0604-04 | Tension spring                         | 3A      |
| 15       | S49-2003-05 | Micro switch or                        | 3B      |
|          | S50-1305-05 | Micro switch                           | ☆ 3B    |
| 16       | S50-2002-05 | Micro switch or                        | 3A      |
|          | S50-1306-05 | Micro switch                           | ☆ 3A    |
| 17       | D10-0456-24 | Selecting arm                          | ☆ 3B    |
| 18       | N19-0004-04 | Polyslider washer<br>(φ6 × φ12 × t0.5) | 2A      |
| 19       | S50-1015-05 | Micro switch or                        | 3A      |
|          | S50-1307-05 | Micro switch                           | ☆ 3A    |
| 20       | K23-0629-04 | Knob                                   | ☆ 2A    |
| 21       | D10-0528-04 | Selector rod                           | ☆ 2B    |
| 22       | K21-0604-24 | Selector knob                          | ☆ 1A    |
| 23       | J19-1265-04 | Neon tube stopper                      | ☆ 2A    |
| 24       | J29-0307-13 | Guide                                  | ☆ 2A    |
| 25       | B07-0526-24 | Button base (A)                        | ☆ 2A    |
| 26       | B07-0527-24 | Button base (B)                        | ☆ 2A    |
| 27       | B07-0528-24 | Button base (C)                        | ☆ 2A    |
| 28       | J09-0303-14 | Shell stand                            | 1A      |
| 29       | ★           | TP tapping screw                       | 3A,3B   |
| 30       | F07-0617-14 | Lamp cover                             | ☆ 1A    |
| 31       | J19-1254-33 | Neon tube holder                       | ☆ 1A    |
| 32       | B19-0503-04 | Mirror                                 | ☆ 1A    |
| 33       | B30-0709-05 | Neon tube                              | 2A      |
| 34       | T43-0009-05 | D.D. motor                             | 2A      |
| 35       | D02-0024-15 | Turntable platter                      | ☆ 1A    |
| 36       | D19-0032-04 | Trip pin                               | 1A      |
| 37       | G16-0320-03 | Turntable sheet ass'y                  | 1A      |
| 38       | J42-0315-04 | Special sleeve                         | ☆ 1A    |
| 39       | A40-0517-15 | Bottom case                            | 3A      |
| 40       | J02-0327-05 | Insulator                              | 3A      |
| 41       | D10-0526-04 | Detection arm                          | ☆ 3B    |
| 42       | ★           | Turntable case badge                   | ☆ 2A    |
| 43       | ★           | Slide switch                           | 1A      |
| 44       | —           | —                                      | —       |
| 45       | ★           | Power supply PC board ass'y            | ☆ 2A    |
| 46       | ★           | Power transformer                      | 1B      |
| 47       | G13-0413-24 | Insulating rubber ass'y                | 1B      |
| 48       | ★           | Power transformer mounting<br>board    | 2B      |
| 49       | ★           | Power cord                             | 3B      |
| 50       | ★           | Cord bushing                           | 3A      |
| 51       | ★           | Audio cord                             | 3B      |
| 52       | J42-0313-05 | Cord bushing                           | 3A      |
| 53       | F07-0610-04 | Hole cover plate                       | 1A      |
| 54       | F19-0504-04 | Hole cap                               | 2A,2B   |
| 55       | ★           | Polycarbonate screw                    | 1A      |
| 56       | J92-0035-05 | Head shell                             | 2B      |
| 57       | ★           | Cartridge mounting screw               | ☆ 2B    |

| Fig. No. | Parts No.   | Description                             | Remarks |
|----------|-------------|---|---------|
| 58       | N14-0108-05 | Cartridge mounting nut                  | 2B      |
| 59       | ★           | Cartridge mounting washer               | 2B      |
| 60       | ★           | Cartridge spacer                        | 2B      |
| 61       | ★           | Cartridge (F150 MKII)                   | 2B      |
| 62       | W01-0057-14 | EP adapter                              | 1A      |
| 63       | ★           | Automatic mechanism ass'y               | ☆ 2B    |
| 63a      | D12-0050-24 | EL cam ass'y                            | 3B      |
| 63b      | D11-0118-04 | Detecting operation arm<br>caked ass'y  | 3B      |
| 63c      | D40-0116-14 | Switch cam ass'y                        | 3B      |
| 63d      | J31-0074-04 | Sleeve                                  | 3B      |
| 63e      | D10-0551-04 | Selecting arm caked ass'y               | 3B      |
| 63f      | D32-0038-04 | Switch stopper caked ass'y              | 3B      |
| 63g      | N19-0157-04 | Washer (φ12 × φ3.6 × t0.6)              | 3B      |
| 63h      | G01-0135-04 | Conical spring                          | 2B,3B   |
| 63i      | G01-0134-04 | Tension spring (D)                      | 3B      |
| 63j      | N09-0094-04 | Adjusting screw                         | 2B,3B   |
| 63k      | G01-0141-04 | Tension spring (B)                      | 3B      |
| 63l      | D23-0514-04 | Rod retainer                            | 3B      |
| 63m      | D10-0555-04 | Set arm caked ass'y                     | ☆ 3B    |
| 63m      | G01-0705-04 | Tension spring                          | ☆ 3B    |
| 63o      | N19-0020-04 | Polyslider washer                       | 3B      |
| 63p      | D11-0120-04 | Set off arm                             | ☆ 3B    |
| 63q      | G01-0137-04 | Tension spring (A)                      | 3B      |
| 63r      | ★           | Timing motor                            | 2B      |
| 63s      | D11-0121-04 | Connection bar                          | 3B      |
| 63t      | N19-0153-04 | Polyslider washer<br>(φ6 × φ3.6 × t0.5) | 3B      |
| 63u      | D11-0122-04 | Return operation arm                    | 3B      |
| 63v      | G01-0138-04 | Torsion spring (D)                      | 3B      |
| 63w      | D11-0524-04 | Hook arm                                | 3B      |
| 63x      | G01-0139-04 | Torsion spring (B)                      | 3B      |
| 63y      | D11-0124-14 | Switch arm                              | 3B      |
| 63z      | D10-0429-04 | Switch arm (B)                          | 3B      |
| 63aa     | N19-0025-04 | Polyslider washer                       | 3B      |
| 63ab     | D11-0110-14 | Muting arm                              | 3B      |
| 63ac     | G01-0140-14 | Torsion spring                          | 3B      |
| 63ad     | S46-2006-75 | Arm switch (C)                          | 3B      |
| 63ae     | S46-2011-05 | Arm switch (D)                          | 2B      |
| 63af     | S46-2010-15 | Arm switch (A1)                         | 3B      |
| 63ag     | J19-0306-05 | Lead clasper                            | 2B      |
| 64       | J91-0116-08 | Tonearm                                 | ☆ 2B    |
| 65       | D91-0115-08 | Weight ass'y                            | ☆ 2B    |
| 66       | J19-1279-08 | Tonearm base                            | ☆ 2B    |
| 67       | N77-4010-45 | Mounting screw                          | 2B      |
| 68       | D19-0214-08 | Canceler ass'y                          | ☆ 2B    |
| 68a      | N08-0408-08 | Dress screw                             | ☆ 2B    |
| 68b      | J19-1280-08 | Canceler clip                           | ☆ 2B    |
| 69       | D39-0079-08 | Tonearm support ass'y                   | ☆ 2B    |
| 70       | D39-0081-08 | Tonearm rest ass'y                      | ☆ 2B    |
| 71       | D40-0447-08 | Pause ass'y                             | ☆ 2B    |
| 72       | J19-1281-08 | Cam stopper                             | ☆ 2B    |
| 73       | D21-0652-08 | Elevation shaft ass'y                   | ☆ 2B    |
| 74       | G01-0709-08 | Spring                                  | ☆ 2B    |
| 75       | D11-0166-14 | Position arm ass'y                      | 2B      |
| 75a      | D11-0167-04 | Position arm caked ass'y                | 2B      |
| 75b      | G02-0048-04 | Cross cam spring                        | 2B      |
| 75c      | N19-0082-00 | Washer (φ4.5 × φ8 × t0.5)               | 2B      |
| 75d      | G01-0141-04 | Compression spring (B)                  | 2B      |
| 75e      | D12-0054-04 | Cross cam                               | 2B      |
| 76       | —           | —                                       | —       |
| 77       | E23-0083-05 | Lug                                     | 3B      |
| 78       | J61-0044-15 | Nylon clasper                           | 2A      |
| 79       | ★           | Switch stopper                          | 1A      |
| 80       | N09-0195-04 | Polycarbonate screw (M3 × 14)           | 2A      |



### EXPLODED VIEW (KD-5077)





# EXPLODED VIEW PARTS LIST (KD-5077)

☆ : New Parts, ★ : Refer to Destinations' Parts List

| Fig. No. | Parts No.          | Description                            | Remarks     |
|----------|--------------------|--|-------------|
| 1        | A03-0535-42        | Turntable case                         | ☆ 1A        |
| 2        | <b>A53-0216-02</b> | <b>Turntable cover ass'y</b>           | ☆ <b>1B</b> |
| 2a       | A53-0217-02        | Turntable cover                        | ☆ 1B        |
| 2b       | G13-0405-04        | Cushion                                | 1B          |
| 2c       | J50-0310-05        | Hinge (1)                              | 1B          |
| 2d       | J50-0308-05        | Hinge (2)                              | 1B          |
| 3        | A21-0658-12        | Operation panel calked ass'y           | ☆ 2A        |
| 4        | E22-0207-05        | Lug type terminal strips               | 2A          |
| 5        | D10-0453-04        | Locking plate                          | ☆ 3A        |
| 6        | K29-0641-04        | Pushbutton (A)                         | ☆ 2A        |
| 7        | K29-0642-04        | Pushbutton (B)                         | ☆ 2A        |
| 8        | K29-0643-04        | Speed selector button                  | ☆ 2A        |
| 9        | G01-0218-04        | Compression spring                     | 2A          |
| 10       | D90-0014-00        | Steel ball                             | 2A          |
| 11       | R01-1303-05        | Potentiometer 2kΩ (B)                  | 3A          |
| 12       | D19-0211-04        | Seesaw arm                             | ☆ 2A        |
| 13       | G01-0640-14        | Compression spring                     | 2A          |
| 14       | G01-0604-04        | Tension spring                         | 3A          |
| 15       | S49-2003-05        | Micro switch or                        | 3B          |
|          | S50-1305-05        | Micro switch                           | ☆ 3B        |
| 16       | S50-2002-05        | Micro switch or                        | 3A          |
|          | S50-1306-05        | Micro switch                           | ☆ 3A        |
| 17       | D10-0456-14        | Selection arm                          | ☆ 3B        |
| 18       | N19-0004-04        | Polyslider washer<br>(φ6 × φ12 × t0.5) | 2A          |
| 19       | S50-1015-05        | Micro switch or                        | 3A          |
|          | S50-1307-05        | Micro switch                           | ☆ 3A        |
| 20       | K23-0629-04        | Knob                                   | ☆ 2A        |
| 21       | D10-0528-24        | Selector rod                           | ☆ 2B        |
| 22       | K21-0604-24        | Selector knob                          | ☆ 1A        |
| 23       | J19-1265-04        | Neon tube stopper                      | ☆ 2A        |
| 24       | J29-0307-13        | Guide                                  | ☆ 2A        |
| 25       | B07-0526-24        | Button base (A)                        | ☆ 2A        |
| 26       | B07-0527-24        | Button base (B)                        | ☆ 2A        |
| 27       | B07-0528-24        | Button base (C)                        | ☆ 2A        |
| 28       | J09-0303-14        | Shell stand                            | 1A          |
| 29       | A20-1925-05        | Main panel                             | ☆ 1A        |
| 30       | F07-0617-14        | Lamp cover                             | ☆ 1A        |
| 31       | J19-1254-33        | Neon tube holder                       | ☆ 1A        |
| 32       | B19-0503-04        | Mirror                                 | ☆ 1A        |
| 33       | B30-0709-05        | Neon tube                              | 2A          |
| 34       | T43-0009-05        | D.D. motor                             | 2A          |
| 35       | D02-0024-15        | Turntable platter                      | ☆ 1A        |
| 36       | D19-0032-04        | Trip pin                               | 1A          |
| 37       | G16-0320-03        | Turntable sheet ass'y                  | 1A          |
| 38       | J42-0315-04        | Special sleeve                         | ☆ 1A        |
| 39       | A40-0517-15        | Bottom case                            | 3A          |
| 40       | J02-0327-05        | Insulator                              | 3A          |
| 41       | D10-0526-04        | Detection arm                          | ☆ 3B        |
| 42       | B43-0527-03        | Turntable case badge                   | ☆ 2A        |
| 43       | S31-2001-05        | Slide switch                           | 1A          |
| 44       | J19-1263-04        | Mounting hardware                      | ☆ 2A        |
| 45       | X27-1260-02        | Power supply PC board ass'y            | ☆ 2A        |
| 46       | L01-6184-05        | Power transformer                      | 1B          |
| 47       | G13-0413-24        | Insulating rubber ass'y                | 2A, 2B      |
| 48       | —                  | —                                      | —           |
| 49       | E30-1317-15        | Power cord                             | 3B          |
| 50       | J42-0312-05        | Cord bushing                           | 3A          |
| 51       | E30-1319-05        | Audio cord                             | 3B          |
| 52       | J42-0313-05        | Cord bushing                           | 3A          |
| 53       | —                  | —                                      | —           |
| 54       | F19-0504-04        | Hole cap                               | 2A, 2B      |
| 55       | J19-1275-04        | Base mounting hardware                 | ☆ 2A        |
| 56       | J92-0035-05        | Head shell                             | 2B          |
| 57       | N09-0817-08        | Cartridge mounting screw               | ☆ 2B        |
| 58       | N14-0108-05        | Cartridge mounting nut                 | 2B          |

| Fig. No. | Parts No.          | Description                             | Remarks     |
|----------|--------------------|---|-------------|
| 59       | N19-0516-05        | Cartridge mounting washer               | 2B          |
| 60       | J30-0406-04        | Cartridge spacer                        | 2B          |
| 61       | T21-0055-05        | Cartridge (DM-11)                       | 2B          |
| 62       | W01-0057-14        | EP adapter                              | 1A          |
| 63       | <b>D40-0441-02</b> | <b>Automatic mechanism ass'y</b>        | ☆ <b>2B</b> |
| 63a      | D12-0050-24        | EL cam ass'y                            | 3B          |
| 63b      | D11-0118-04        | Detecting operation arm<br>calked ass'y | 3B          |
| 63c      | D40-0116-14        | Switch cam ass'y                        | 3B          |
| 63d      | J31-0074-04        | Sleeve                                  | 3B          |
| 63e      | D10-0551-04        | Selecting arm calked ass'y              | 3B          |
| 63f      | D32-0038-04        | Switch stopper calked ass'y             | 3B          |
| 63g      | N19-0020-04        | Washer (φ12 × φ3.6 × t0.6)              | 3B          |
| 63h      | G01-0135-04        | Conical spring                          | 2B, 3B      |
| 63i      | G01-0134-04        | Tension spring (D)                      | 3B          |
| 63j      | N09-0094-04        | Adjusting screw                         | 2B, 3B      |
| 63k      | G01-0141-04        | Tension spring (B)                      | 3B          |
| 63l      | D23-0514-04        | Rod retainer                            | 3B          |
| 63m      | D10-0555-04        | Set arm calked ass'y                    | ☆ 3B        |
| 63n      | G01-0705-04        | Tension spring                          | ☆ 3B        |
| 63o      | N19-0020-04        | Polyslider washer                       | 3B          |
| 63p      | D11-0120-04        | Set off arm                             | 3B          |
| 63q      | G01-0137-04        | Tension spring (A)                      | 3B          |
| 63r      | T41-0091-35        | Timing motor                            | 2B          |
| 63s      | D11-0121-04        | Connection bar                          | 3B          |
| 63t      | N19-0153-04        | Polyslider washer<br>(φ6 × φ3.6 × t0.5) | 3B          |
| 63u      | D11-0122-04        | Return operation arm                    | 3B          |
| 63v      | G01-0138-04        | Torsion spring (D)                      | 3B          |
| 63w      | D11-0524-04        | Hook arm                                | 3B          |
| 63x      | G01-0139-04        | Torsion spring (B)                      | 3B          |
| 63y      | D11-0124-14        | Switch arm                              | 3B          |
| 63z      | D10-0429-04        | Switch arm (B)                          | 3B          |
| 63aa     | N19-0025-04        | Polyslider washer                       | 3B          |
| 63ab     | D11-0110-14        | Muting arm                              | 3B          |
| 63ac     | G01-0140-14        | Torsion spring                          | 3B          |
| 63ad     | S46-2006-75        | Arm switch (C)                          | 3B          |
| 63ae     | S46-2011-05        | Arm switch (D)                          | 2B          |
| 63af     | S46-2010-15        | Arm switch (A1)                         | 3B          |
| 63ag     | J19-0306-05        | Lead clasper                            | 2B          |
| 64       | J91-0116-08        | Tonearm                                 | ☆ 2B        |
| 65       | D91-0115-08        | Weight ass'y                            | ☆ 2B        |
| 66       | J19-1279-08        | Tonearm base                            | ☆ 2B        |
| 67       | N77-4010-45        | Mounting screw                          | 2B          |
| 68       | <b>D19-0214-08</b> | <b>Canceler ass'y</b>                   | ☆ <b>2B</b> |
| 68a      | N08-0408-08        | Dress screw                             | ☆ 2B        |
| 68b      | J19-1280-08        | Canceler clip                           | ☆ 2B        |
| 69       | D39-0079-08        | Tonearm support ass'y                   | ☆ 2B        |
| 70       | D39-0081-08        | Tonearm rest ass'y                      | ☆ 2B        |
| 71       | D40-0447-08        | Pause ass'y                             | ☆ 2B        |
| 72       | J19-1281-08        | Cam stopper                             | ☆ 2B        |
| 73       | D21-0652-08        | Elevation shaft ass'y                   | ☆ 2B        |
| 74       | G01-0709-08        | Spring                                  | ☆ 2B        |
| 75       | <b>D11-0166-14</b> | <b>Position arm ass'y</b>               | <b>2B</b>   |
| 75a      | D11-0167-04        | Position arm calked ass'y               | 2B          |
| 75b      | G02-0048-04        | Cross cam spring                        | 2B          |
| 75c      | N19-0082-00        | Washer (φ4.5 × φ8 × t0.5)               | 2B          |
| 75d      | G01-0141-04        | Compression spring (B)                  | 2B          |
| 75e      | D12-0054-04        | Cross cam                               | 2B          |
| 76       | N09-0820-04        | Tapping screw                           | ☆ 1A        |
| 77       | E23-0083-05        | Lug                                     | 3B          |
| 78       | J61-0044-15        | Nylon clasper                           | 2A          |
| 79       | D32-0080-24        | Switch stopper                          | 1A          |
| 80       | N09-0195-04        | Polycarbonate screw (M3 × 14)           | 2A          |



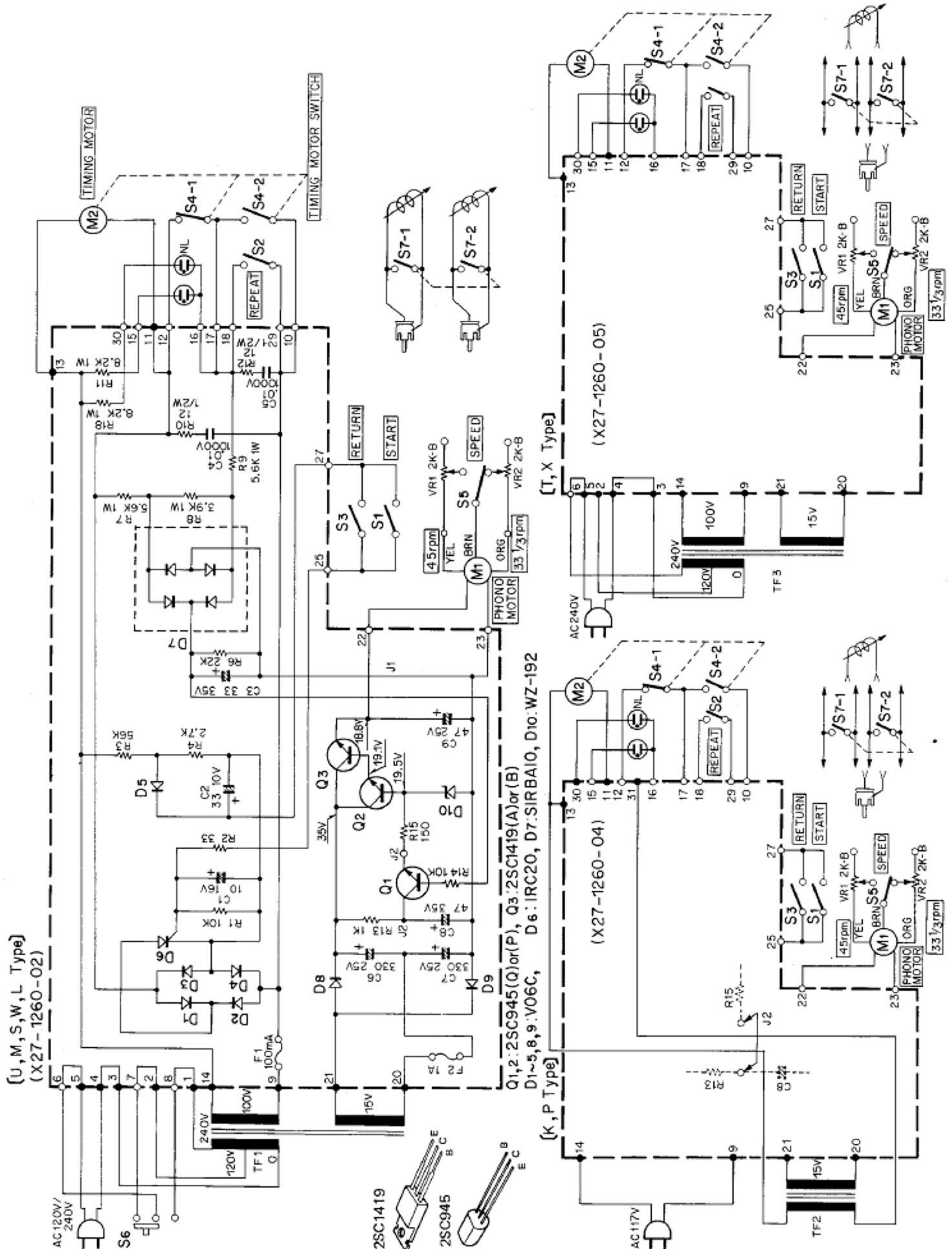
# DESTINATIONS' PARTS LIST

☆ : New Parts

| Ref. No. | U.S.A. (K)  | Canada (P)  | KD-5077 (U) | PX (U)      | (HU)        | Australia (X) | Europe (W)  | Scandinavia (L) | England (T) | South Africa (S) | Other Area (M) | Description                                 |
|----------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-----------------|-------------|------------------|----------------|---|
| 1        | A09-0309-08 | A09-0309-08 | A03-0535-42 | A09-0309-08 | A09-0309-08 | A09-0309-08   | A09-0309-08 | A09-0309-08     | A09-0313-08 | A09-0309-08      | A09-0309-08    | Turntable case ass'y ☆                      |
| —        | B23-0004-04 | B23-0004-04 | —           | —           | —           | —             | —           | —               | B23-0004-04 | —                | —              | Over hand gage                              |
| —        | B46-0061-10 | B46-0055-20 | B46-0062-10 | B46-0062-10 | B46-0062-10 | B46-0064-00   | —           | —               | B46-0060-00 | —                | —              | Warranty card                               |
| 42       | B43-0531-03 | B43-0531-03 | B43-0527-03 | B43-0531-03 | B43-0531-03 | B43-0531-03   | B43-0531-03 | B43-0531-03     | B43-0532-03 | B43-0531-03      | B43-0531-03    | Turntable case badge ☆                      |
| —        | B50-2282-00 | B50-2280-00 | B50-2270-00 | B50-2282-00 | B50-2282-00 | B50-2282-00   | B50-2282-00 | B50-2282-00     | B50-2281-00 | B50-2282-00      | B50-2280-00    | Instruction manual ☆                        |
| —        | —           | —           | B59-0018-00 | —           | —           | —             | —           | —               | —           | —                | —              | KENWOOD service stations' list              |
| 63       | D40-0443-02 | D40-0443-02 | D40-0441-02 | D40-0441-02 | D40-0441-02 | D40-0441-02   | D40-0441-02 | D40-0441-02     | D40-0441-02 | D40-0441-02      | D40-0441-02    | Automatic mechanism ass'y ☆                 |
| 79       | —           | —           | D32-0080-24 | D32-0080-24 | D32-0080-24 | D32-0080-24   | —           | —               | —           | D32-0080-24      | D32-0080-24    | Switch stopper                              |
| 49       | E30-0181-05 | E30-0181-05 | E30-1317-05 | E30-1317-05 | E30-0459-05 | E30-0185-05   | E30-0459-05 | E30-0459-05     | E30-0587-05 | E30-0587-05      | E30-1317-15    | Power cord                                  |
| 51       | E30-1320-15 | E30-1319-05 | E30-1319-05 | E30-1319-05 | E30-1319-05 | E30-1319-05   | E30-1319-05 | E30-1319-05     | E30-1319-05 | E30-1319-05      | E30-1319-05    | Audio cord                                  |
| F1       | —           | —           | F05-1012-05 | F05-1012-05 | F05-1013-05 | F05-1012-05   | F05-1013-05 | F05-1013-05     | F05-1013-05 | F05-1012-05      | F05-1012-05    | Fuse  |
| F2       | F05-1021-05 | F05-1021-05 | F05-1521-05 | F05-1512-05 | F05-6313-05 | F05-1521-05   | F05-6313-05 | F05-6313-05     | F05-6313-05 | F05-1521-05      | F05-1521-05    | Fuse  |
| 53       | F07-0610-04 | F07-0610-04 | —           | —           | —           | —             | —           | F07-0610-04     | F07-0610-04 | —                | —              | Hole cover plate                            |
| 47       | G13-0414-04 | G13-0414-04 | G13-0413-04 | G13-0413-04 | G13-0413-04 | G13-0413-04   | G13-0413-04 | G13-0413-04     | G13-0413-04 | G13-0413-04      | G13-0413-04    | Insulating rubber ass'y                     |
| 37       | G16-0322-03 | G16-0320-03 | G16-0320-03 | G16-0320-03 | G16-0320-03 | G16-0320-03   | G16-0320-03 | G16-0320-03     | G16-0320-03 | G16-0320-03      | G16-0320-03    | Turntable sheet ass'y                       |
| —        | H01-2292-04 | H01-2294-04 | H01-2293-04 | H01-2292-04 | H01-2292-04 | H01-2292-04   | H01-2292-04 | H01-2292-04     | H01-2293-04 | H01-2292-04      | H01-2292-04    | Carton box ☆                                |
| —        | H20-0382-04 | H20-0382-04 | H20-0382-04 | H20-0382-04 | H20-0382-04 | H20-0382-04   | H20-0382-04 | H20-0382-04     | H20-0382-04 | H20-0382-04      | H20-0382-04    | Polyethylene cover                          |
| —        | —           | —           | —           | —           | —           | —             | —           | —               | —           | —                | H20-0159-04    | Polyethylene bag                            |
| 48       | J19-1277-14 | J19-1277-14 | —           | —           | —           | —             | —           | —               | —           | —                | —              | Power transformer mounting board ☆          |
| 60       | —           | —           | J30-0406-04 | J30-0406-04 | J30-0406-04 | J30-0406-04   | J30-0406-04 | J30-0406-04     | —           | J30-0406-04      | J30-0406-04    | Cartridge spacer                            |
| 46       | L01-6071-05 | L01-6071-05 | L01-6124-05 | L01-6148-05 | L01-6148-05 | L01-6148-05   | L01-6148-05 | L01-6148-05     | L01-6148-05 | L01-6148-05      | L01-6148-05    | Power transformer ☆                         |
| 55       | N09-0078-05 | N09-0078-05 | N87-3008-45 | N30-3006-45 | N09-0078-05 | N30-3006-05   | N09-0078-05 | N09-0078-05     | N09-0078-05 | N30-3006-45      | N30-3006-05    | Switch stopper or hole plate mounting screw |
| 57       | N09-0250-05 | N09-0250-05 | N09-0817-05 | N09-0817-05 | N09-0817-05 | N09-0817-05   | N09-0817-05 | N09-0817-05     | N09-0250-05 | N09-0817-05      | N09-0817-05    | Cartridge mounting screw                    |
| 57       | N09-0251-05 | N09-0251-05 | —           | —           | —           | —             | —           | —               | N09-0251-05 | —                | —              | Cartridge mounting screw                    |
| 59       | N19-0267-05 | N19-0267-05 | N19-0516-05 | N19-0516-05 | N19-0516-05 | N19-0516-05   | N19-0516-05 | N19-0516-05     | N19-0267-05 | N19-0516-05      | N19-0516-05    | Cartridge mounting washer                   |
| 76       | —           | —           | N30-3008-45 | N30-3008-45 | N09-0167-05 | N30-3008-45   | N09-0167-05 | N09-0167-05     | —           | N30-3008-45      | N30-3008-45    | Slide switch mounting screw (M3 x 8)        |
| 29       | N91-3010-45 | N91-3010-45 | —           | —           | —           | —             | —           | —               | —           | —                | —              | TP tapping screw (M3 x 10)                  |
| 63r      | T41-0108-05 | T41-0108-05 | T41-0091-35 | T41-0091-35 | T41-0091-35 | T41-0091-35   | T41-0091-35 | T41-0091-35     | T41-0091-35 | T41-0091-05      | T41-0091-35    | Timing motor                                |
| 61       | —           | —           | T21-0055-05 | T21-0055-05 | T21-0055-05 | T21-0055-05   | T21-0055-05 | T21-0055-05     | —           | T21-0055-05      | T21-0055-05    | Cartridge (DM-11)                           |
| 43       | —           | —           | S31-2001-05 | S31-2001-05 | S31-2001-05 | S31-2001-05   | S31-2001-05 | —               | —           | S31-2001-05      | S31-2001-05    | Slide switch                                |
| 45       | X27-1260-03 | X27-1260-04 | X27-1260-02 | X27-1260-02 | X27-1260-05 | X27-1260-02   | X27-1260-05 | X27-1260-05     | X27-1260-05 | X27-1260-02      | X27-1260-02    | Power supply PC board ass'y                 |



# SCHEMATIC DIAGRAM



As the circuit is different for each destination, refer to parts list (overleaf) in detail.



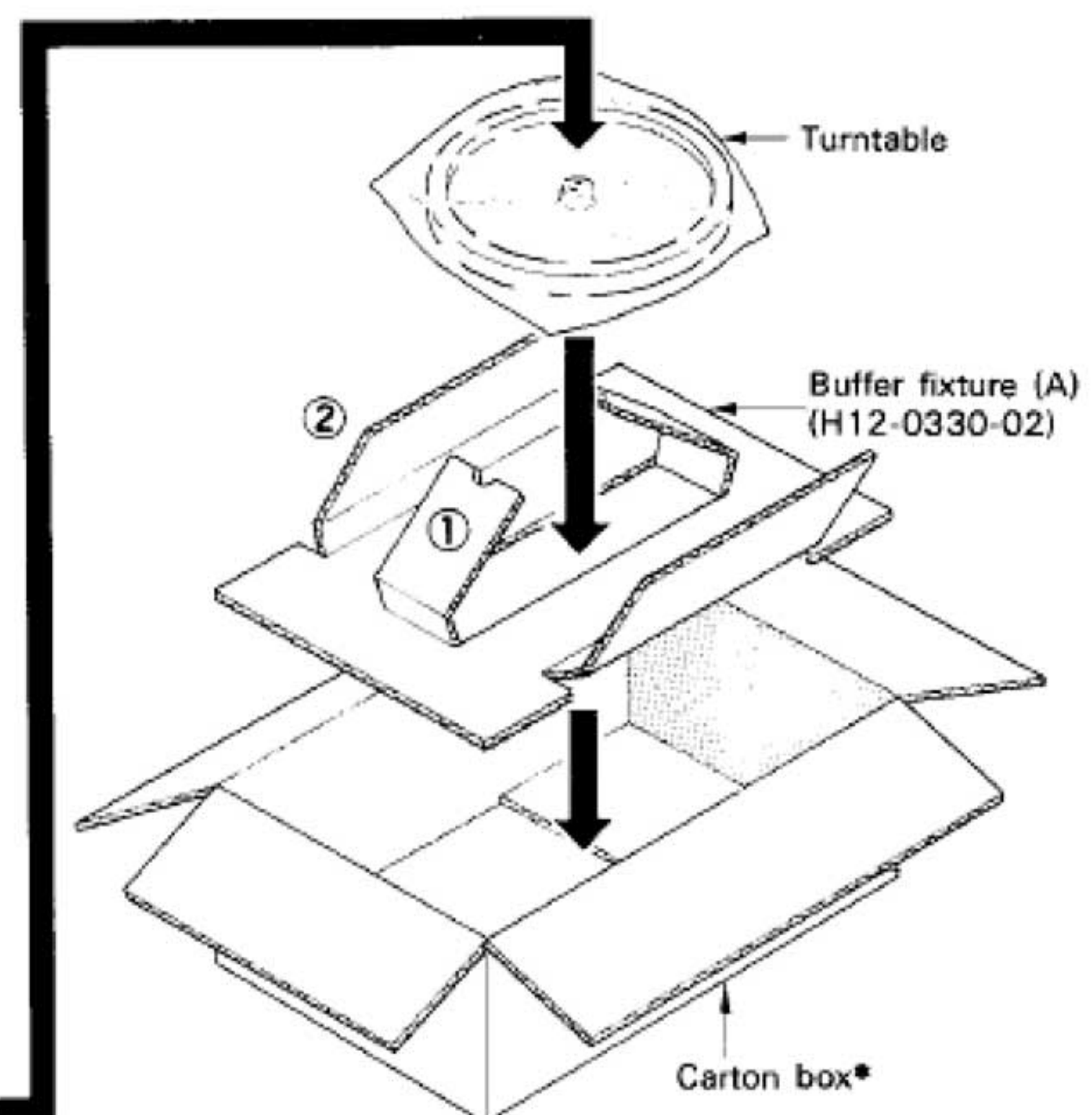
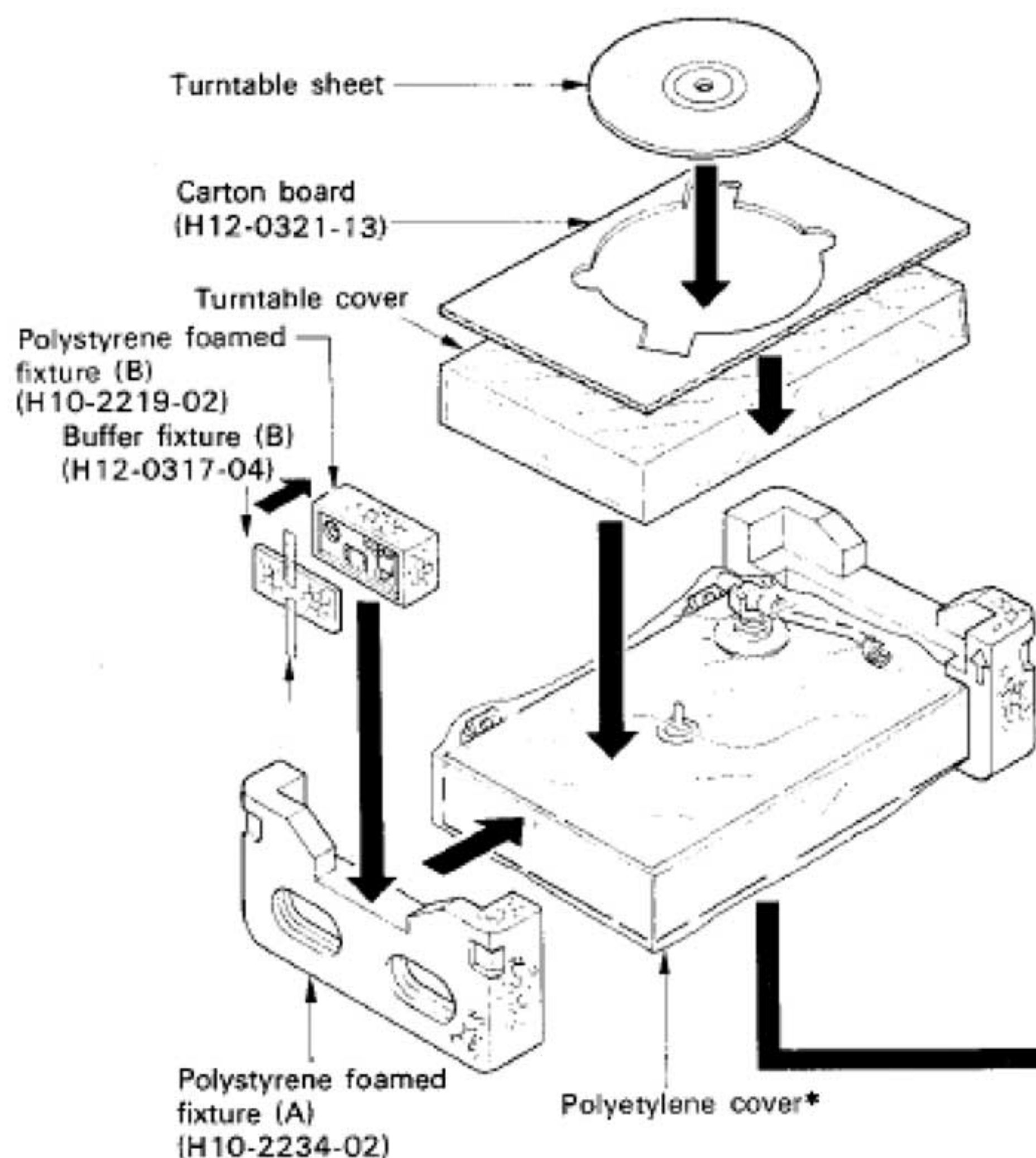
# PARTS LIST/PACKING

## POWER SUPPLY (X27-1260- )

| Ref. No.         | Parts No.    | Description   | Re-<br>marks |
|------------------|--------------|---|--------------|
| <b>CAPACITOR</b> |              |   |              |
| C1               | CE04W1C100   | Electrolytic 10 $\mu$ F 16WV                            |              |
| C2               | CE04W1A100   | Electrolytic 10 $\mu$ F 10WV                            |              |
| C3               | CE04W1V330   | Electrolytic 33 $\mu$ F 35WV                            |              |
| C4,5             | C91-0025-05  | Ceramic 0.01 $\mu$ F 1000WVDC<br>(X27-1260-02, -05)     |              |
|                  | C90-0145-05  | Ceramic 0.01 $\mu$ F 1000WVDC<br>(X27-1260-03)          |              |
|                  | C91-0308-05  | Ceramic 0.01 $\mu$ F 1000WVDC<br>(X27-1260-02, -05)     |              |
| C6,7             | CE02W1E331   | Electrolytic 330 $\mu$ F 25WV                           |              |
| C8               | CE04W1V470   | Electrolytic 47 $\mu$ F 35WV                            |              |
| C9               | CE04W1E470   | Electrolytic 47 $\mu$ F 25WV                            |              |
| <b>RESISTOR</b>  |              |   |              |
| R1               | RD14BY2E103J | Carbon 10k $\Omega$ $\pm$ 5% 1/4W                       |              |
| R2               | RD14BY2E330J | Carbon 33 $\Omega$ $\pm$ 5% 1/4W                        |              |
| R3               | RD14BY2E563J | Carbon 56k $\Omega$ $\pm$ 5% 1/4W                       |              |
| R4               | RD14BY2E272J | Carbon 2.7k $\Omega$ $\pm$ 5% 1/4W                      |              |
| R6               | RD14BY2E223J | Carbon 22k $\Omega$ $\pm$ 5% 1/4W<br>(X27-1260-02, -05) |              |
| R7               | RS14AB3A562J | RS 5.6k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-02, -05)      |              |
| R8               | RS14AB3A392J | RS 3.9k $\Omega$ $\pm$ % 1W<br>(X27-1260-02, -05)       |              |
| R9               | RS14AB3A562J | RS 5.6k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-02, -05)      |              |
| R10              | RC05GF2H120K | Carbon 12 $\Omega$ $\pm$ 10% 1/2W                       |              |
| R11              | RS14AB3A822J | RS 8.2k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-02, -05)      |              |

| Ref. No.             | Parts No.    | Description   | Re-<br>marks |
|----------------------|--------------|---|--------------|
| R12<br>R13<br>R14    | RS14AB3A123J | RS 12k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-03, -04)       |              |
|                      | RC05GH2H120K | Carbon 12 $\Omega$ $\pm$ 10% 1/2W                       |              |
|                      | RD14BY2E102J | Carbon 1k $\Omega$ $\pm$ 5% 1/4W                        |              |
|                      | RD14BY2E103J | Carbon 10k $\Omega$ $\pm$ 5% 1/4W<br>(X27-1260-02, -05) |              |
| R15                  | RD14BY2E151J | Carbon 150 $\Omega$ $\pm$ 5% 1/4W                       |              |
| R18                  | RS14AB3A822J | RS 8.2k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-02, -05)      |              |
|                      | RS14AB3A123J | RS 12k $\Omega$ $\pm$ 5% 1W<br>(X27-1260-03, -04)       |              |
| <b>SEMICONDUCTOR</b> |              |   |              |
| Q1                   | V03-0348-05  | Transistor 2SC945 (Q) or (P)<br>(X27-1260-02, -05)      |              |
| Q2                   | V03-0348-05  | Transistor 2SC945 (Q) or (P)                            |              |
| Q3                   | V03-0344-05  | Transistor 2SC1419 (A) or (B)                           |              |
| D1~5                 | V11-0200-05  | Diode V06C  |              |
| D6                   | V11-0323-05  | SCR 1RC20   |              |
| D7                   | V11-1300-20  | Diode SIR BA10<br>(X27-1260-02, -05)                    |              |
| D8,9                 | V11-0200-05  | Diode V06C  |              |
| D10                  | V11-0308-05  | Zener diode WZ-192                                      |              |
| <b>MISCELLANEOUS</b> |              |   |              |
| F1                   | ★            | Fuse (100 mA)<br>(X27-1260-02, -05)                     |              |
| F2                   | ★            | Fuse (1A or 1.5A)                                       |              |
| —                    | J13-0055-05  | Fuse holder x 4   |              |

## PACKING



\* Refer to Destinations' Parts List.



# SPECIFICATIONS

## MOTOR & TURNTABLE

|                                       |  |
|---------------------------------------|--|
| <b>Drive System</b> . . . . .         | Direct drive system  |
| <b>Motor</b> . . . . .                | 20-pole, 30 slot brushless D.C. servo motor (for turntable)<br>12-pole synchronous gear motor (for automatic function) |
| <b>Turntable Platter</b> . . . . .    | 31.6 cm (12½ inch) diameter<br>aluminum alloy die-cast<br>Weight: 1.50 kg (3.30 lbs.)<br>Moment of inertia 330 kg·cm²  |
| <b>Speeds</b> . . . . .               | 2 speeds, 33-1/3 and 45 r.p.m.   |
| <b>Speeds Control Range</b> . . . . . | Within ±3% (Individual control for 33-1/3 and 45 r.p.m.)   |
| <b>Wow &amp; Flutter</b> . . . . .    | Less than 0.025% (WRMS)  |
| <b>Rumble</b> . . . . .               | DIN weighted better than -73 dB<br>DIN unweighted better than -53dB  |

## TONEARM

|   |  |
|---|--|
| <b>Type</b> . . . . .                           | Static-balance type, S-shaped pipe arm, EIA plug in connector. |
| <b>Effective Tonearm Length</b> . . . . .       | 225 mm (8-7/8 inch)  |
| <b>Overhang</b> . . . . .                       | 15 mm (9/16 inch)  |
| <b>Tracking Error</b> . . . . .                 | ±1.5 degree  |
| <b>Stylus Pressure Variable Range</b> . . . . . | 0 to 3 grams   |
| <b>Usable Cartridge Weight</b> . . . . .        | 3 to 10 grams  |

## CARTRIDGE (U.S.A., Canada and U.K. Model are not equipped with the DM-11 cartridge.)

|   |                              |
|---|------------------------------|
| <b>Furnished Cartridge</b> . . . . .    | DM-11                        |
| <b>Stylus</b> . . . . .                 | N-11 with 0.5 mil diamond    |
| <b>Frequency Response</b> . . . . .     | 20 Hz to 20,000 Hz           |
| <b>Output Voltage</b> . . . . .         | 3.5 mV (1,000 Hz, 5 cm/sec.) |
| <b>Optimum Tracking Force</b> . . . . . | 2.0 ±0.3 grams               |
| <b>Load Impedance</b> . . . . .         | 50 kohms                     |
| <b>Replacement Stylus</b> . . . . .     | N-11                         |

|                             |   |
|-----------------------------|---|
| <b>ADDITIONAL FEATURES:</b> | Fully-automatic tonearm system (Automatic lead-in/return/cut/repeat)<br>Illuminated stroboscope<br>Anti-skating device<br>Viscous-damped cueing device<br>Fine speed adjusting controls<br>Low capacitance phono cables<br>Manual operating function<br>Disc size selector<br>Headshell stand<br>Stylus pressure direct readout counter<br>Built-in insulator |
|-----------------------------|---|

## MISCELLANEOUS (KD-5070)

|                                    |  |
|------------------------------------|--|
| <b>Power Requirement</b> . . . . . | AC 120V, 60 Hz:<br>U.S.A. and Canada model<br>AC 240V, 50 Hz: U.K. model<br>AC 120V/220V (Switchable),<br>50/60 Hz: European model<br>AC 120V/240V, (Switchable),<br>50/60 Hz: Other countries |
| <b>Power Consumption</b> . . . . . | 9.0 watts  |
| <b>Dimensions</b> . . . . .        | W 480 mm (18-7/8")<br>H 156 mm (6-1/8")<br>D 367 mm (14-7/16")   |
| <b>Weight</b> . . . . .            | 11.5 kg (25.3 lbs.)  |

**SUPPLIED ACCESSORIES:** EP adaptor

## CABINET

|                                       |   |
|---------------------------------------|---|
| <b>Material</b> . . . . .             | Construction of cabinet is anti-resonance compression base (ARCB) with injection molded bottom cover. This massive ARCB is compression molded from lime-stone particles, unsaturated polyester resin, lime-stone and glass powders. |
| <b>Cabinet Ass'y Weight</b> . . . . . | 5.5 kg (12.10 lbs.)   |
| <b>ARCB Weight</b> . . . . .          | 4.7 kg (10.34 lbs.)   |

## MISCELLANEOUS (KD-5077)

|                                    |  |
|------------------------------------|--|
| <b>Power Requirement</b> . . . . . | AC 120V, 60 Hz:<br>U.S.A. and Canada model<br>AC 240V, 50 Hz: U.K. model<br>AC 120V/220V (Switchable),<br>50/60 Hz: European model<br>AC 120V/240V, (Switchable),<br>50/60 Hz: Other countries |
| <b>Power Consumption</b> . . . . . | 9.0 watts  |
| <b>Dimensions</b> . . . . .        | W 480 mm (18-7/8")<br>H 156 mm (6-1/8")<br>D 367 mm (14-7/16")   |
| <b>Weight</b> . . . . .            | 9.0 kg (19.8 lbs.)   |

**SUPPLIED ACCESSORIES:** EP adaptor

## CABINET

|                           |  |
|---------------------------|--|
| <b>Material</b> . . . . . | Particle board laminated with simulated wood grain finish is used in the construction of cabinet. Bottom cover is injection molded from ABS copolymer resin. |
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**Note:** Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.



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A product of  
**TRIO-KENWOOD CORPORATION**

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