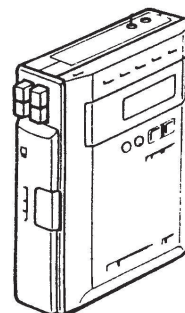


# aiwa

# HS-J505MKII

# SERVICE MANUAL



STEREO RADIO CASSETTE RECORDER

• BASIC TAPE MECHANISM :  $\alpha - 1$

• TYPE. H,E

## SPECIFICATIONS

**Frequency range:**

FM: 87.5/87.5 — 108.1/108MHz (200/50kHz STEP)  
AM: 530/531 — 1710/1602kHz (10/9kHz STEP)

**Maximum output:**

10mW + 10mW (EIAJ/16 $\Omega$ )

**Power source:**

Battery DC 2V, rechargeable battery (AIWA PB-3)  
Battery DC 3V, LR-03 (UM-4, AAA, R03)  $\times$  2  
Domestic AC power (using the supplied AC adaptor)

**Battery life:**

Rechargeable battery (PB-3)  
Approx. 2 hours (EIAJ, REC/1 hour recharging)  
Approx. 2.5 hours (EIAJ, PB 1mW/15 minutes recharging) (H model is 20 minutes)  
Approx. 3.5 hours (EIAJ, PB 1mW/1 hour recharging)

**Dimensions:**

79.8 (W)  $\times$  109.5 (H)  $\times$  29.3 (D) mm  
(3  $\frac{1}{4}$   $\times$  4  $\frac{3}{8}$   $\times$  1  $\frac{3}{16}$  in.)

**Weight:**

Approx. 215g (0.473 lbs.) without batteries

**<AC adaptor/AC-207>**

**Rated voltage:**

AC-207H AC 115V/230V, switchable  
AC-207E AC 230V

**Rated output:**

DC 2V 350mA

- Design and specifications are subject to change without notice.
- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- "Dolby", the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
- Under license from BBE Sound, Inc.

**AIWA CO., LTD.**

**Tokyo Japan**

Printed in Japan

# DISASSEMBLY INSTRUCTIONS

## 1. "Panel, Control, Cabinet, Rear and Frame, Center" Removal (See Figure - 1)

- 1) Remove 3 screws (A) and take out the "Panel, Control".
- 2) Remove 3 screws (B) and take out the "Cabinet, Rear" in the direction of the arrow ①.
- 3) Remove 3 screws (C) and release two Hooks, then take out the "Frame, Center" in the direction of the arrow ②.

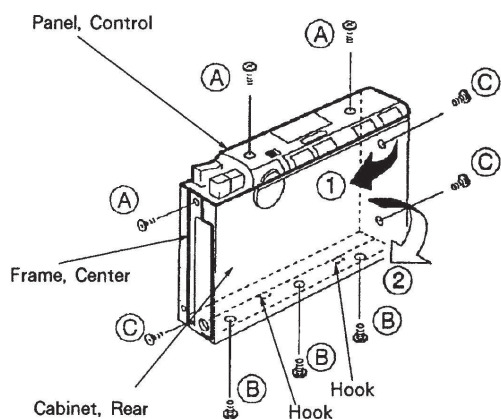


Fig - 1

## 2. "Lid Cassette ASSY" Removal (See Figure - 2)

- 1) Remove 2 screws (A) × 1, (B) × 1 and remove the "Lid Cassette ASSY".

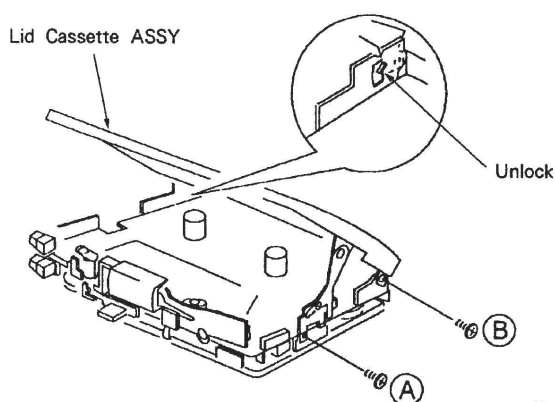


Fig - 2

## 3. "Main Circuit Board" Removal (See Figure - 3)

- 1) Remove 2 screws (A) and remove the "Main Circuit Board".

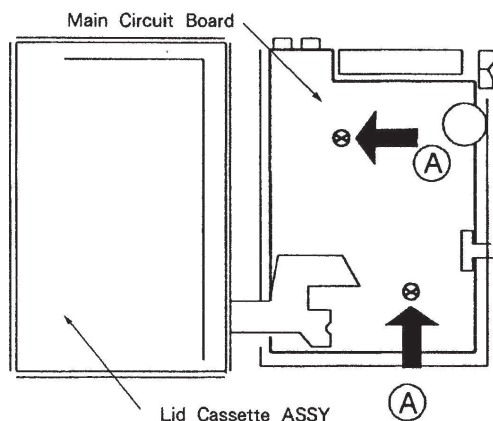


Fig - 3

## 4. "Holder Cassette ASSY" Removal (See Figure - 4)

- 1) Remove 5 screws (A) and remove the "Holder Cassette ASSY".

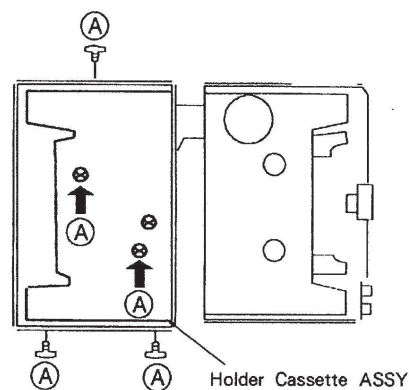


Fig - 4

## 5. "Front Circuit Board" Removal (See Figure - 5)

- 1) Remove 3 screws (A) and remove the "Front Circuit Board".

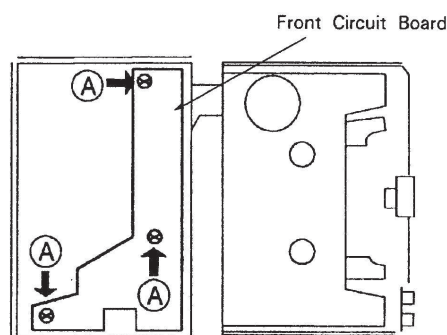


Fig - 5

## 6. "Button PLAY" Removal (See Figure - 6)

- 1) Remove the "Panel, Control" and "Cabinet, Rear"
- 2) Move the "Button, PLAY" in the direction of the arrow ① by 1.5mm to release the lock and pull it up in the direction of the arrow ② to remove it.

Note) Fix the "Button, PLAY" with bond.

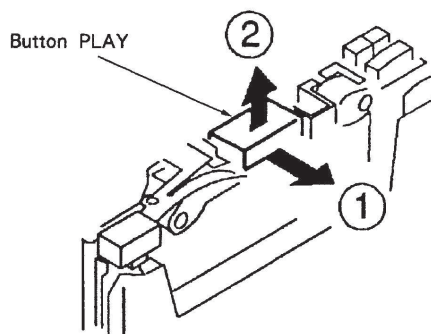


Fig - 6

# ELECTRICAL MAIN PARTS LIST

| REF. NO.                           | PART NO.        | DESCRIPTION            | REF. NO. | PART NO.        | DESCRIPTION                |
|------------------------------------|-----------------|------------------------|----------|-----------------|----------------------------|
| === IC ===                         |                 |                        | C23      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-001-351-010  | IC, AN6612S            | C24      | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
|                                    | 87-001-808-010  | IC, ASP5410            | C25      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-001-147-010  | IC, BA1102FS           | C26      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 87-001-373-010  | IC, CXA1278N           | C27      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-020-234-010  | IC, TA7688F(S)         | C28      | ★87-012-253-010 | CAP,CHIP SS 33P-50 UJ      |
|                                    | 87-001-145-010  | IC, TA8126F            | C29      | ★87-012-272-010 | CAP,CHIP SS 680P-50 B      |
|                                    | 87-001-971-010  | IC, TA8132AF           | C30      | ★87-012-282-010 | CAP,CHIP SS 4700P-50 B     |
|                                    | 87-001-931-010  | IC, TA8152AFN          | C31      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-001-550-010  | IC, TC7S04F            | C32      | ★87-010-787-010 | CAP,CHIP SS 0.022-25 B     |
|                                    | 87-001-585-010  | IC, TC7S32F            | C33      | ★87-010-424-010 | CAP,CHIP TANTALUM 4.7-4    |
|                                    | 87-001-972-010  | IC, TC9308AF-029       | C34      | ★87-012-282-010 | CAP,CHIP SS 4700P-50 B     |
|                                    | 87-001-151-010  | IC, TD6134AF           | C35      | ★87-010-668-010 | CAP,CHIP ELECT 220-4 MV    |
| === TRANSISTOR ===                 |                 |                        | C36      | ★87-010-668-010 | CAP,CHIP ELECT 220-4 MV    |
|                                    | 89-508-804-010  | FET, 2SK880Y           | C37      | ★87-010-668-010 | CAP,CHIP ELECT 220-4 MV    |
|                                    | 89-508-824-010  | FET, 2SK882Y           | C38      | ★87-010-503-010 | CAP, ELECT 220-4 GAS       |
|                                    | 89-508-805-010  | FET, 2SK880GR          | C39      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 89-112-134-010  | TRANSISTOR, 2SA1213Y   | C41      | ★87-012-273-010 | CAP,CHIP SS 820P-50 B      |
|                                    | 89-113-625-010  | TRANSISTOR, 2SA1362GR  | C42      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 89-115-864-010  | TRANSISTOR, 2SA1586Y   | C43      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 89-115-884-010  | TRANSISTOR, 2SA1588Y   | C44      | ★87-012-278-010 | CAP,CHIP SS 2200P-50 B     |
|                                    | 89-341-165-010  | TRANSISTOR, 2SC4116GR  | C45      | ★87-010-805-010 | CAP,CHIP S 1-16 F          |
|                                    | 89-342-132-010  | TRANSISTOR, 2SC4213B   | C46      | ★87-010-805-010 | CAP,CHIP S 1-16 F          |
|                                    | 89-342-153-010  | TRANSISTOR, 2SC4215(O) | C47      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 87-026-352-010  | TRANSISTOR, DTC144TU   | C48      | ★87-010-830-010 | CAP,CHIP SS 0.068-16 F     |
|                                    | 87-026-466-010  | TRANSISTOR, HN1C01F(Y) | C49      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 87-026-358-010  | TRANSISTOR, IMD6       | C50      | ★87-012-280-010 | CAP,CHIP SS 3300P-50 B     |
|                                    | 87-026-407-010  | TRANSISTOR, IMX2       | C51      | ★87-010-784-010 | CAP,CHIP SS 0.012-25 B     |
|                                    | 87-026-412-010  | TRANSISTOR, RN1305     | C52      | ★87-010-784-010 | CAP,CHIP SS 0.012-25 B     |
|                                    | 87-026-417-010  | TRANSISTOR, RN1310     | C53      | ★87-010-667-010 | CAP,CHIP ELECT 100-4 MV    |
|                                    | 87-026-476-010  | TRANSISTOR, RN1610     | C55      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-026-428-010  | TRANSISTOR, RN2310     | C56      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-026-479-010  | TRANSISTOR, RN2610     | C57      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 87-026-480-010  | TRANSISTOR, RN4605     | C58      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-026-482-010  | TRANSISTOR, RN4610     | C59      | ★87-012-199-010 | CAP,CHIP SS 220P-50 CH     |
| === DIODE ===                      |                 |                        | C60      | ★87-012-172-010 | CAP,CHIP SS 10P-50 CH      |
|                                    | 87-020-339-010  | DIODE,CHIP 1SS226      | C61      | ★87-012-337-010 | CAP,CHIP SS 56P-50 CH      |
|                                    | 87-001-165-010  | DIODE,CHIP 1SS300      | C62      | ★87-010-831-010 | CAP,CHIP SS 0.1-16 F       |
|                                    | 87-001-166-010  | DIODE,CHIP 1SS301      | C63      | ★87-012-269-010 | CAP,CHIP SS 390P-50 B      |
|                                    | 87-001-167-010  | DIODE,CHIP 1SS302      | C64      | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B      |
|                                    | 87-001-221-010  | DIODE,CHIP 1SS319      | C65      | ★87-012-193-010 | CAP,CHIP SS 82P-50 CH      |
|                                    | 87-001-553-010  | DIODE,CHIP 1SS322      | C101     | ★87-010-215-010 | CAP,CHIP TANTALUM 0.047-35 |
| === MAIN CIRCUIT BOARD SECTION === |                 |                        | C102     | ★87-010-215-010 | CAP,CHIP TANTALUM 0.047-35 |
| BPF1                               | ★87-008-406-010 | BPF GFMB1              | C103     | ★87-012-284-010 | CAP,CHIP SS 6800P-50 B     |
| C2                                 | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F | C104     | ★87-012-284-010 | CAP,CHIP SS 6800P-50 B     |
| C4                                 | ★87-012-191-010 | CAP,CHIP SS 68P-50 CH  | C105     | ★87-012-278-010 | CAP,CHIP SS 2200P-50 B     |
| C5                                 | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B  | C106     | ★87-012-278-010 | CAP,CHIP SS 2200P-50 B     |
| C7                                 | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F | C107     | ★87-010-784-010 | CAP,CHIP SS 0.012-25 B     |
| C9                                 | ★87-012-184-010 | CAP,CHIP SS 33P-50 CH  | C108     | ★87-010-784-010 | CAP,CHIP SS 0.012-25 B     |
| C11                                | ★87-012-162-010 | CAP,CHIP SS 1P-50 CH   | C109     | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
| C12                                | ★87-012-337-010 | CAP,CHIP SS 56P-50 CH  | C110     | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
| C13                                | ★87-012-198-010 | CAP,CHIP SS 180P-50 CH | C111     | ★87-010-787-010 | CAP,CHIP SS 0.022-25 B     |
| C15                                | ★87-012-282-010 | CAP,CHIP SS 4700P-50 B | C112     | ★87-010-787-010 | CAP,CHIP SS 0.022-25 B     |
| C16                                | ★87-012-271-010 | CAP,CHIP SS 560P-50 B  | C113     | ★87-010-452-010 | CAP,CHIP 1-16 F            |
| C17                                | ★87-012-275-010 | CAP,CHIP SS 1200P-50 B | C114     | ★87-010-452-010 | CAP,CHIP 1-16 F            |
| C18                                | ★87-010-746-010 | CAP,CHIP TANTALUM 10-4 | C115     | ★87-012-276-010 | CAP,CHIP SS 1500P-50 B     |
| C19                                | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B  | C116     | ★87-012-276-010 | CAP,CHIP SS 1500P-50 B     |
| C20                                | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F | C117     | ★87-010-452-010 | CAP,CHIP 1-16 F            |
| C21                                | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B  | C118     | ★87-010-452-010 | CAP,CHIP 1-16 F            |
| C22                                | ★87-010-787-010 | CAP,CHIP SS 0.022-25 B | C119     | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
|                                    |                 |                        | C120     | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
|                                    |                 |                        | C121     | ★87-010-243-010 | CAP,CHIP TANTALUM 10-4     |
|                                    |                 |                        | C122     | ★87-010-746-010 | CAP,CHIP TANTALUM 10-4     |
|                                    |                 |                        | C123     | ★87-012-199-010 | CAP,CHIP SS 220P-50 CH     |



| REF. NO. | PART NO.        | DESCRIPTION              | REF. NO.                              | PART NO.        | DESCRIPTION                |
|----------|-----------------|--------------------------|---------------------------------------|-----------------|----------------------------|
| C124     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | C901                                  | ★87-010-640-010 | CAP, CHIP TANTALUM 22-4    |
| C125     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | C902                                  | ★87-010-664-010 | CAP, CHIP ELECT 47-4 MV    |
| C126     | ★87-012-276-010 | CAP, CHIP SS 1500P-50 B  | C903                                  | ★87-010-805-010 | CAP, CHIP S 1-16 F         |
| C127     | ★87-010-424-010 | CAP, CHIP TANTALUM 4.7-4 | C904                                  | ★87-010-805-010 | CAP, CHIP S 1-16 F         |
| C128     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | CF1                                   | ★87-008-455-010 | FILTER KIT 10.7M           |
| C129     | ★87-012-280-010 | CAP, CHIP SS 3300P-50 B  | CF2                                   | +++             | FILTER KIT 10.7M           |
| C130     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | CF4                                   | +++             | FILTER KIT 10.7M           |
| C131     | ★87-012-272-010 | CAP, CHIP SS 680P-50 B   | CF3                                   | ★87-008-396-010 | FILTER, CF 450KHZ          |
| C132     | ★87-012-272-010 | CAP, CHIP SS 680P-50 B   | CF5                                   | ★87-030-182-010 | CERALOCK CSB456F-FBL18     |
| C133     | ★87-012-274-010 | CAP, CHIP SS 1000P-50 B  | CP1                                   | 87-026-248-010  | PHOTO SENSOR, ON227002     |
| C134     | ★87-012-274-010 | CAP, CHIP SS 1000P-50 B  | D2                                    | 87-001-708-010  | DIODE, VARICAP 1SV228      |
| C135     | ★87-012-274-010 | CAP, CHIP SS 1000P-50 B  | D4                                    | 87-001-708-010  | DIODE, VARICAP 1SV228      |
| C136     | ★87-012-274-010 | CAP, CHIP SS 1000P-50 B  | D5                                    | 87-026-435-010  | DIODE, VARICAP KV1560      |
| C137     | ★87-010-828-010 | CAP, CHIP SS 0.033-16 F  | J101                                  | 87-009-252-010  | JACK, 3.5 R(L) (MIC)       |
| C138     | ★87-010-828-010 | CAP, CHIP SS 0.033-16 F  | J103                                  | 87-049-859-010  | JACK, DC REFLOW BLK (DC2V) |
| C139     | ★87-012-282-010 | CAP, CHIP SS 4700P-50 B  | L2                                    | ★80-HJ3-615-010 | COIL, RF FM Y              |
| C140     | ★87-012-282-010 | CAP, CHIP SS 4700P-50 B  | L4                                    | ★80-HJ3-616-010 | COIL, OSC FM Y             |
| C141     | ★87-010-424-010 | CAP, CHIP TANTALUM 4.7-4 | L5                                    | ★87-006-168-010 | COIL, IFT FM               |
| C142     | ★87-010-424-010 | CAP, CHIP TANTALUM 4.7-4 | L6                                    | ★84-462-618-010 | COIL, LOADING              |
| C143     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | L8                                    | ★87-003-226-010 | COIL, 100UH                |
| C144     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | L9                                    | ★87-008-420-010 | IFT 450K MH                |
| C145     | ★87-010-828-010 | CAP, CHIP SS 0.033-16 F  | L10                                   | ★87-005-262-010 | COIL, 10UH                 |
| C146     | ★87-010-828-010 | CAP, CHIP SS 0.033-16 F  | L101                                  | ★87-007-270-010 | COIL, OSC BIAS             |
| C147     | ★87-010-831-010 | CAP, CHIP SS 0.1-16 F    | L102                                  | ★87-003-218-010 | COIL, 1UH                  |
| C148     | ★87-010-196-010 | CAP, CHIP S 0.1-25 F     | R308                                  | ★87-022-042-010 | RES, CHIP M/F 0.51-1/8     |
| C149     | ★87-010-673-010 | CAP, CHIP ELECT 100-2    | R314                                  | ★87-022-043-010 | RES, CHIP M/F 8.2K-1/8     |
| C150     | ★87-010-668-010 | CAP, CHIP ELECT 220-4 MV | S1                                    | 87-036-123-010  | SLIDE SW (FM MODE)         |
| C151     | ★87-010-805-010 | CAP, CHIP S 1-16 F       | S102                                  | 87-036-082-010  | SLIDE SW (REC/PB)          |
| C152     | ★87-010-805-010 | CAP, CHIP S 1-16 F       | S103                                  | 87-036-123-010  | SLIDE SW (TAPE)            |
| C153     | ★87-010-892-010 | CAP, CHIP SS 0.047-16 F  | S104                                  | 87-036-123-010  | SLIDE SW (DOLBY NR)        |
| C154     | ★87-010-892-010 | CAP, CHIP SS 0.047-16 F  | S301                                  | 87-036-123-010  | SLIDE SW (PAUSE)           |
| C155     | ★87-010-892-010 | CAP, CHIP SS 0.047-16 F  | S302                                  | 87-036-083-010  | PUSH SW (POWER)            |
| C156     | ★87-010-892-010 | CAP, CHIP SS 0.047-16 F  | SFR101                                | ★87-024-288-010 | SFR 10K                    |
| C157     | ★87-012-270-010 | CAP, CHIP SS 470P-50 B   | SFR102                                | ★87-024-288-010 | SFR 10K                    |
| C158     | ★87-012-270-010 | CAP, CHIP SS 470P-50 B   | SFR301                                | ★87-024-076-010 | SFR 1K                     |
| C159     | ★87-010-805-010 | CAP, CHIP S 1-16 F       | TC2                                   | ★87-011-189-010 | CAP, TRIMMER CTZ-10A       |
| C160     | ★87-010-805-010 | CAP, CHIP S 1-16 F       | TC3                                   | ★87-011-189-010 | CAP, TRIMMER CTZ-10A       |
| C161     | ★87-010-787-010 | CAP, CHIP SS 0.022-25 B  | VR201                                 | 87-024-142-010  | VOLUME, 20KC (VOLUME)      |
| C162     | ★87-010-787-010 | CAP, CHIP SS 0.022-25 B  | === CONTROL CIRCUIT BOARD SECTION === |                 |                            |
| C163     | ★87-012-270-010 | CAP, CHIP SS 470P-50 B   | BAT1                                  | ★84-462-614-010 | BATT CL                    |
| C164     | ★87-012-270-010 | CAP, CHIP SS 470P-50 B   | C501                                  | ★87-012-184-010 | CAP, CHIP SS 33P-50 CH     |
| C167     | ★87-010-662-010 | CAP, CHIP ELECT 22-6.3   | C502                                  | ★87-012-170-010 | CAP, CHIP SS 8P-50 CH      |
| C168     | ★87-010-668-010 | CAP, CHIP ELECT 220-4 MV | C503                                  | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B     |
| C169     | ★87-010-664-010 | CAP, CHIP ELECT 47-4 MV  | C504                                  | ★87-010-831-010 | CAP, CHIP SS 0.1-16 F      |
| C171     | ★87-010-668-010 | CAP, CHIP ELECT 220-4 MV | C505                                  | ★87-010-831-010 | CAP, CHIP SS 0.1-16 F      |
| C172     | ★87-010-828-010 | CAP, CHIP SS 0.033-16 F  | C506                                  | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B     |
| C175     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C508                                  | ★87-012-199-010 | CAP, CHIP SS 220P-50 CH    |
| C176     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C509                                  | ★87-012-197-010 | CAP, CHIP SS 150P-50 CH    |
| C177     | ★87-010-674-010 | CAP, CHIP ELECT 220-2 MV | C510                                  | ★87-010-787-010 | CAP, CHIP SS 0.022-25 B    |
| C178     | ★87-010-674-010 | CAP, CHIP ELECT 220-2 MV | C511                                  | ★87-010-505-010 | CAP, CHIP TANTALUM 1-16    |
| C179     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C512                                  | ★87-012-195-010 | CAP, CHIP SS 100P-50 CH    |
| C180     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C513                                  | ★87-012-360-010 | CAP, CHIP S 1-10 FZ        |
| C301     | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B   | C514                                  | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B     |
| C302     | ★87-010-805-010 | CAP, CHIP S 1-16 F       | C515                                  | ★87-012-199-010 | CAP, CHIP SS 220P-50 CH    |
| C303     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C516                                  | ★87-012-195-010 | CAP, CHIP SS 100P-50 CH    |
| C304     | ★87-010-424-010 | CAP, CHIP TANTALUM 4.7-4 | C517                                  | ★87-012-142-010 | CAP, CHIP S 0.33-16 F      |
| C306     | ★87-010-746-010 | CAP, CHIP TANTALUM 10-4  | C518                                  | ★87-012-172-010 | CAP, CHIP SS 10P-50 CH     |
| C307     | ★87-015-934-010 | CAP, CHIP TANTALUM 2.2-4 | C519                                  | ★87-012-276-010 | CAP, CHIP SS 1500P-50 B    |
| C308     | ★87-010-452-010 | CAP, CHIP 1-16 F         | C520                                  | ★87-012-286-010 | CAP, CHIP SS 0.01-25 B     |
| C309     | ★87-010-424-010 | CAP, CHIP TANTALUM 4.7-4 | C521                                  | ★87-010-746-010 | CAP, CHIP TANTALUM 10-4    |
| C310     | ★87-010-668-010 | CAP, CHIP ELECT 220-4 MV | C701                                  | ★87-012-360-010 | CAP, CHIP S 1-10 FZ        |
| C311     | ★87-012-195-010 | CAP, CHIP SS 100P-50 CH  | C702                                  | ★87-012-360-010 | CAP, CHIP S 1-10 FZ        |
| C312     | ★87-010-196-010 | CAP, CHIP S 0.1-25 F     | C703                                  | ★87-010-746-010 | CAP, CHIP TANTALUM 10-4    |
| C313     | ★87-010-667-010 | CAP, CHIP ELECT 100-4 MV |                                       |                 |                            |



| REF. NO. | PART NO.        | DESCRIPTION             |
|----------|-----------------|-------------------------|
| C704     | ★87-010-424-010 | CAP,CHIP TANTALUM 4.7-4 |
| C705     | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B   |
| C706     | ★87-012-286-010 | CAP,CHIP SS 0.01-25 B   |
| C707     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C708     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C709     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C710     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C711     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C712     | ★87-010-829-010 | CAP,CHIP SS 0.047-16 F  |
| C713     | ★87-012-191-010 | CAP,CHIP SS 68P-50 CH   |
| C714     | ★87-012-191-010 | CAP,CHIP SS 68P-50 CH   |
| C715     | ★87-012-360-010 | CAP,CHIP S 1-10 FZ      |
| C716     | ★87-012-360-010 | CAP,CHIP S 1-10 FZ      |
| C717     | ★87-015-934-010 | CAP,CHIP TANTALUM 2.2-4 |
| C718     | ★87-015-934-010 | CAP,CHIP TANTALUM 2.2-4 |
| C719     | ★87-012-142-010 | CAP,CHIP S 0.33-16 F    |
| C720     | ★87-012-142-010 | CAP,CHIP S 0.33-16 F    |
| C721     | ★87-010-424-010 | CAP,CHIP TANTALUM 4.7-4 |
| C722     | ★87-010-424-010 | CAP,CHIP TANTALUM 4.7-4 |
| C723     | ★87-012-273-010 | CAP,CHIP SS 820P-50 B   |
| C724     | ★87-012-273-010 | CAP,CHIP SS 820P-50 B   |
| C725     | ★87-012-360-010 | CAP,CHIP S 1-10 FZ      |
| D506     | 87-020-508-010  | LED SLM13VW(OPE/BATT)   |
| L501     | ★87-003-231-010 | COIL, S 1UH             |
| L502     | ★87-006-173-010 | COIL, DD 5CDL           |
| LCD1     | ★81-HJ5-601-010 | LCD HS ASSY(DISPLAY)    |
| S501     | 87-036-123-010  | SLIDE SW(HOLD)          |
| S502     | 87-036-123-010  | SLIDE SW(9K/10K)        |
| S503     | 87-036-145-010  | SLIDE SW(TAPE/AM/FM)    |
| S504     | 87-030-152-010  | TACT SW(DOWN/MIN)       |
| S505     | 87-030-152-010  | TACT SW(MEMORY/SET)     |
| S506     | 87-030-152-010  | TACT SW(AUTO PRESET)    |
| S507     | 87-030-152-010  | TACT SW(UP/HOUR)        |
| S508     | 87-030-152-010  | TACT SW(PRESET/CLOCK1)  |
| S509     | 87-030-152-010  | TACT SW(PRESET/CLOCK2)  |
| S510     | 87-030-152-010  | TACT SW(PRESET/CLOCK3)  |
| S511     | 87-030-152-010  | TACT SW(PRESET/CLOCK4)  |
| S512     | 87-030-152-010  | TACT SW(PRESET/CLOCK5)  |
| S701     | 87-036-123-010  | SLIDE SW(DSL)           |
| X501     | ★87-030-180-010 | X'TAL KF-38R5-8A        |

=== REGULATOR CIRCUIT BOARD SECTION ===

|      |                 |                   |
|------|-----------------|-------------------|
| C401 | ★84-439-620-010 | CAP,ELECT 470-4   |
| TM3  | ★80-HR4-207-010 | TERMINAL ASSY 1.4 |

=== TERMINAL CIRCUIT BOARD SECTION ===

|     |                 |                     |
|-----|-----------------|---------------------|
| TM1 | ★80-HF1-207-110 | TERMINAL ASSY, 1.4F |
|-----|-----------------|---------------------|

=== HEAD CIRCUIT BOARD SECTION ===

|                |                   |
|----------------|-------------------|
| 84-465-607-210 | RPH ASSY(W/PCB-E) |
|----------------|-------------------|

=== CONNECT-1 CIRCUIT BOARD SECTION ===

|       |                 |                         |
|-------|-----------------|-------------------------|
| PCB-F | ★84-462-603-010 | CONNECT-1 CIRCUIT BOARD |
|-------|-----------------|-------------------------|

=== CONNECT-2 CIRCUIT BOARD SECTION ===

|       |                 |                         |
|-------|-----------------|-------------------------|
| PCB-G | ★80-HJ3-608-010 | CONNECT-2 CIRCUIT BOARD |
|-------|-----------------|-------------------------|

=== JACK CIRCUIT BOARD SECTION ===

|       |                 |                          |
|-------|-----------------|--------------------------|
| PCB-H | ★80-HJ4-616-010 | JACK CIRCUIT BOARD       |
| J102  | 87-009-248-010  | JACK, 3.5 BK(L) (PHONES) |

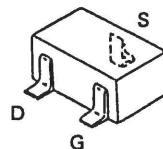
=== VOLUME CIRCUIT BOARD SECTION ===

|       |                 |                                  |
|-------|-----------------|----------------------------------|
| VR701 | ★80-HJ3-614-010 | VOLUME 200KA ASSY(W/PCB-I) (BBE) |
|-------|-----------------|----------------------------------|

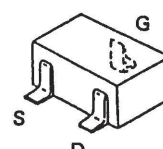
| REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|-------------|
|----------|----------|-------------|

=== MISCELLANEOUS ===

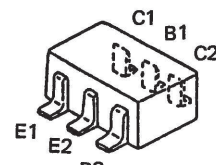
|    |                 |                  |
|----|-----------------|------------------|
| EH | 86-541-601-210  | E HEAD           |
| L7 | ★84-462-617-010 | BAR-ANT          |
| M1 | 87-045-303-010  | MOTOR(26FL-0611) |



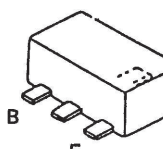
2SK882



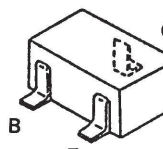
2SK880



IMX2



2SA1213



2SA1362

2SA1586

2SA1588

2SC4116

2SC4213

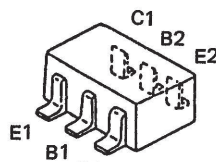
2SC4215

RN1305

RN1310

RN2310

DTC144



HN1C01

RN1610

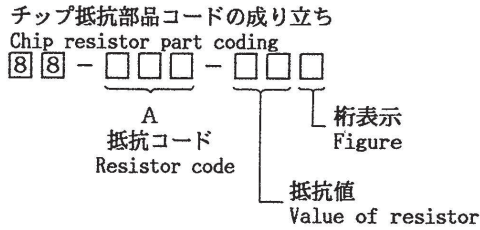
RN2610

RN4605

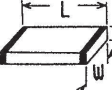
RN4610

IMD6

○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗  
Chip resistor

| Wattage<br>容量 | Type<br>種類 | Tolerance<br>許容誤差 | Symbol<br>記号 | Dimensions／寸法(mm)                                                                 |     |      |             | Resistor Code : A<br>抵抗コード : A |
|---------------|------------|-------------------|--------------|-----------------------------------------------------------------------------------|-----|------|-------------|--------------------------------|
|               |            |                   |              | Form/外形                                                                           | L   | W    | t           |                                |
| 1/32W         | 1608       | ±5%               | CJ           |  | 1.6 | 0.8  | 0.35        | 108                            |
| 1/10W         | 2125       | ±5%               | CJ           |                                                                                   | 2   | 1.25 | 1.45        | 118                            |
| 1/8W          | 3216       | ±5%               | CJ           |                                                                                   | 3.2 | 1.6  | 0.5<br>~0.7 | 128                            |

PRACTICAL SERVICE FIGURE

< RADIO SECTION >

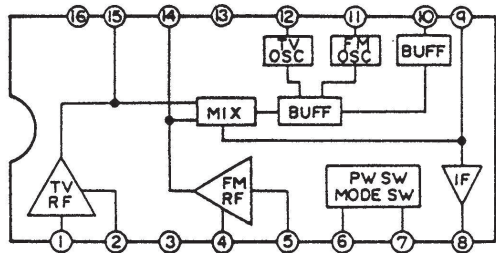
Sensitivity :  
(IHF THD 3%) FM 13 ± 3dB (98.0MHz)  
(S/N 10dB) AM 54 ± 4dB (999kHz)  
Intermediate frequency : FM 10.7MHz  
AM 450kHz  
FM stereo separation : FM 20 ± 4dB (1kHz)

< TAPE RECORDER SECTION >

Bias frequency : 54kHz  
Erasing ratio : More than 50dB  
Wow & flutter : Less than 0.45 % (RMS)  
Pinch roller press : 135 ± 15g-cm  
Take - up torque : 25~45g-cm (FWD, REV)  
F.F & Rew torque : 80~130g-cm  
Back tension : 2~3.5g-cm (FWD, REV)  
S/N ratio : 50 ± 4dB (PB)  
30 + 5dB (REC/PB)  
Distortion : Less than 3.0 % (PB)  
Less than 10.0 % (REC/PB)  
Noise level : Less than 3.0mV (VOL MAX PB)  
Less than 20.0mV  
(VOL MAX REC/PB)  
Frequency response : 63Hz~8kHz ± 4.0dB (NORMAL)  
63Hz~10kHz ± 5.0dB  
(CrO2, METAL)

IC BLOCK DIAGRAM

IC,TA8152AFN



See the HS - J303/J900 for the IC description below

|   |                |                |
|---|----------------|----------------|
|   | HS - J505MK2   | HS - J303/J900 |
| ① | TC9308AF - 029 | TC9308AF - 014 |

IC BLOCK DIAGRAM

TA8132AF, CXA1278FS, TA7688FS, BA1102FS, AN6612S

Refer to the HS - J303/J900 service manual.

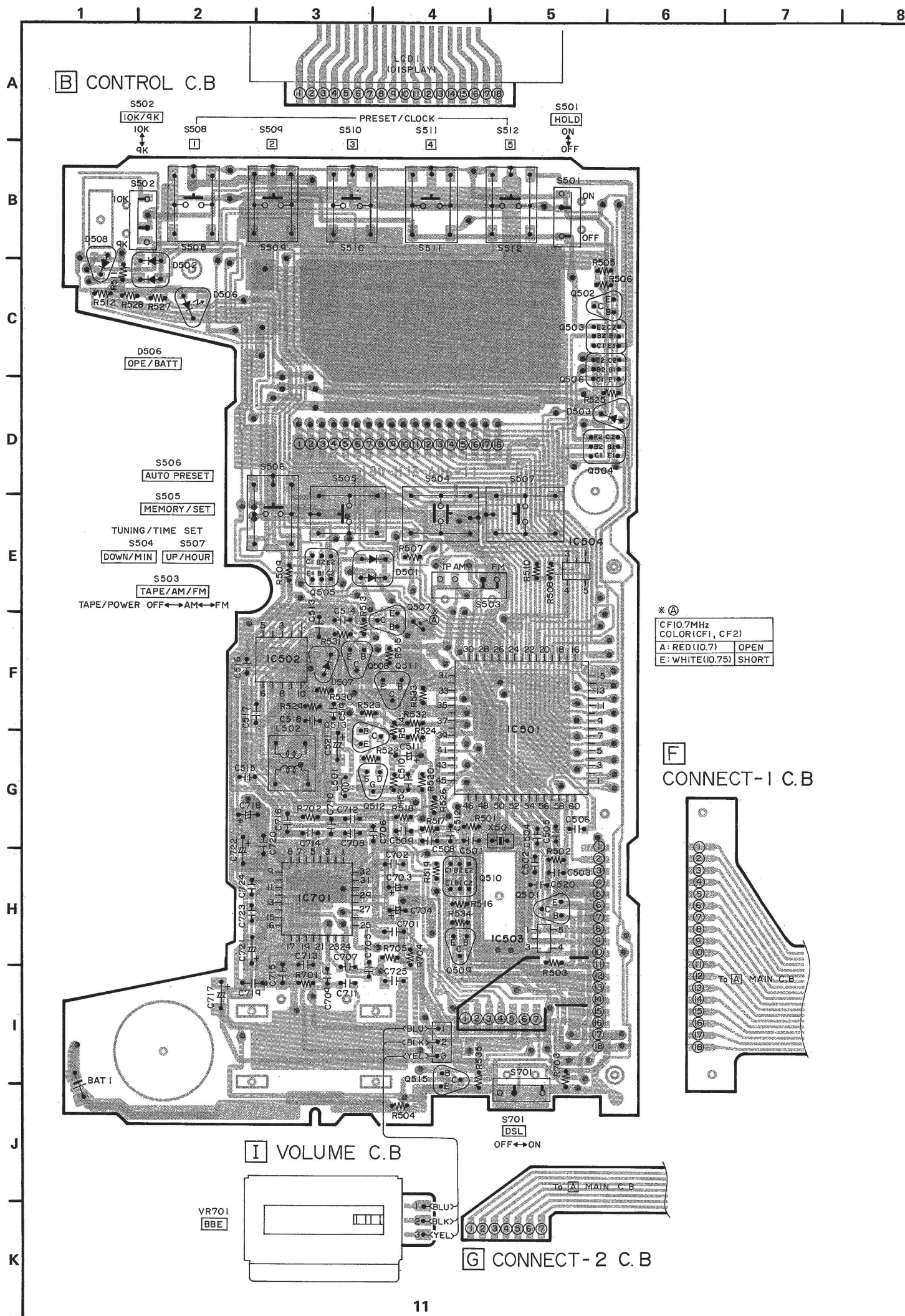








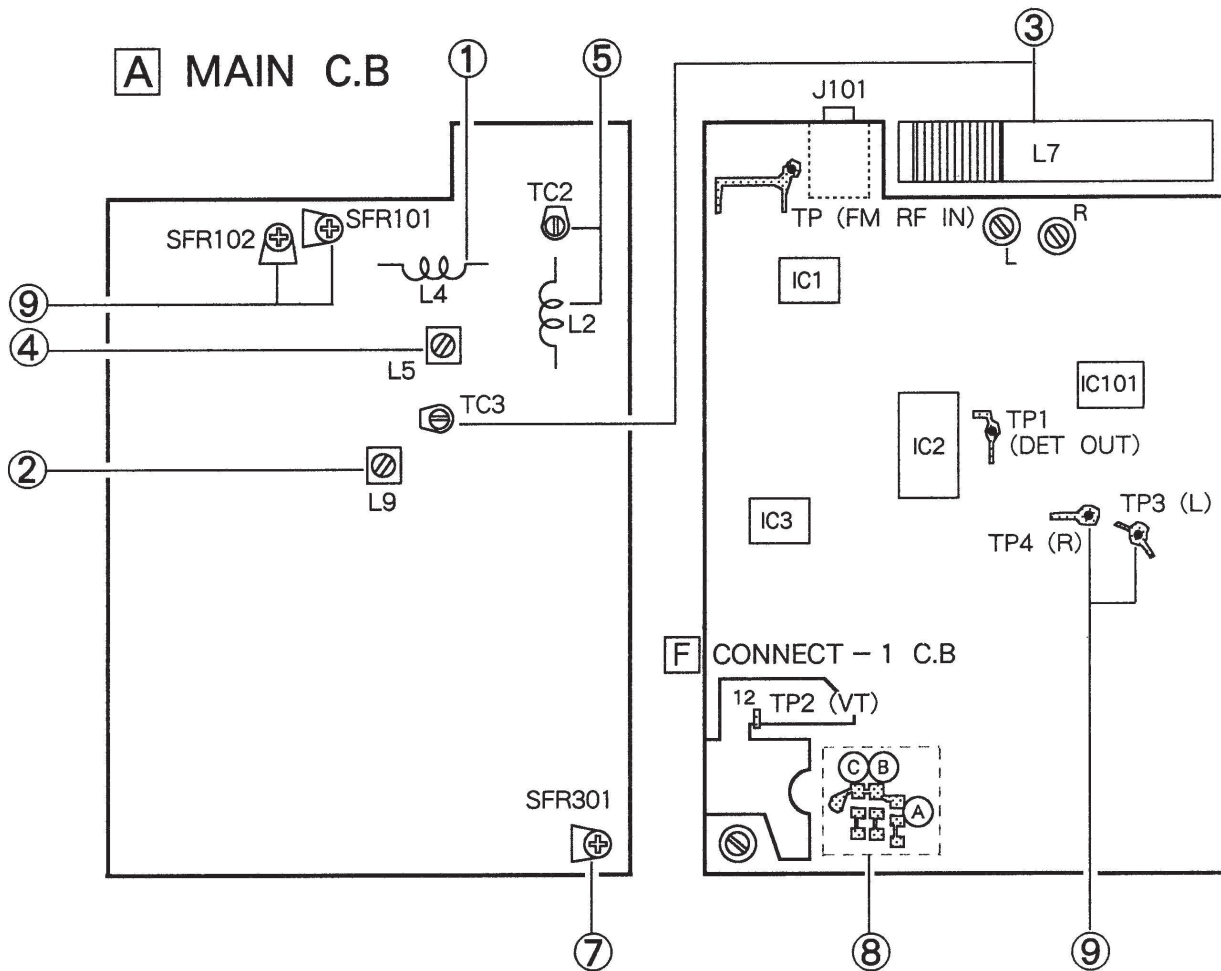




\* (A)  
CF10.7MHz  
COLOR(CF1, CF2)  
A: RED(10.7) OPEN  
E: WHITE(10.75) SHORT



## ADJUSTMENT



### 1. FM VT Adjustment

- Settings : • Test point : TP2 (VT)  
• Adjustment location : L4

Method : • Tune to FM 87.5MHz and adjust L4 so that the voltage TP2 is  $1.0V \pm 0.05V$ .  
After adjustment is completed, check that it is 8.5V or more at TP2 with the FM 108MHz signal.

### 2. AM IF Adjustment

L9 ..... 450kHz

### 3. AM Tracking Adjustment

L7 ..... 630kHz  
TC3 ..... 1440kHz

### 4. FM IF Adjustment

L5 ..... 10.7MHz

### 5. FM Tracking Adjustment

L2 ..... 87.5MHz  
TC2 ..... 108MHz

### 6. Azimuth Adjustment

- Settings : • Test tape : TTA - 320  
• Test point : PHONES JACK  
• Adjustment location : Azimuth adjustment screw

Method : • Play back the test tape, and adjust so that the output becomes maximum at FWD or REV mode.

### 7. Tape Speed Adjustment

- Settings : • Test tape : TTA - 100 (TTA - 111S)  
• Test point : PHONES JACK  
• Adjustment location : SFR301 of motor

Method : • Play back the test tape, adjust for 3000Hz at FWD and  $\pm 45Hz$  at REV.

### 8. Motor load Adjustment

Refer to the REF No. SI - 88 - 037 - 0P of service technical information.

### 9. Dolby Level Adjustment

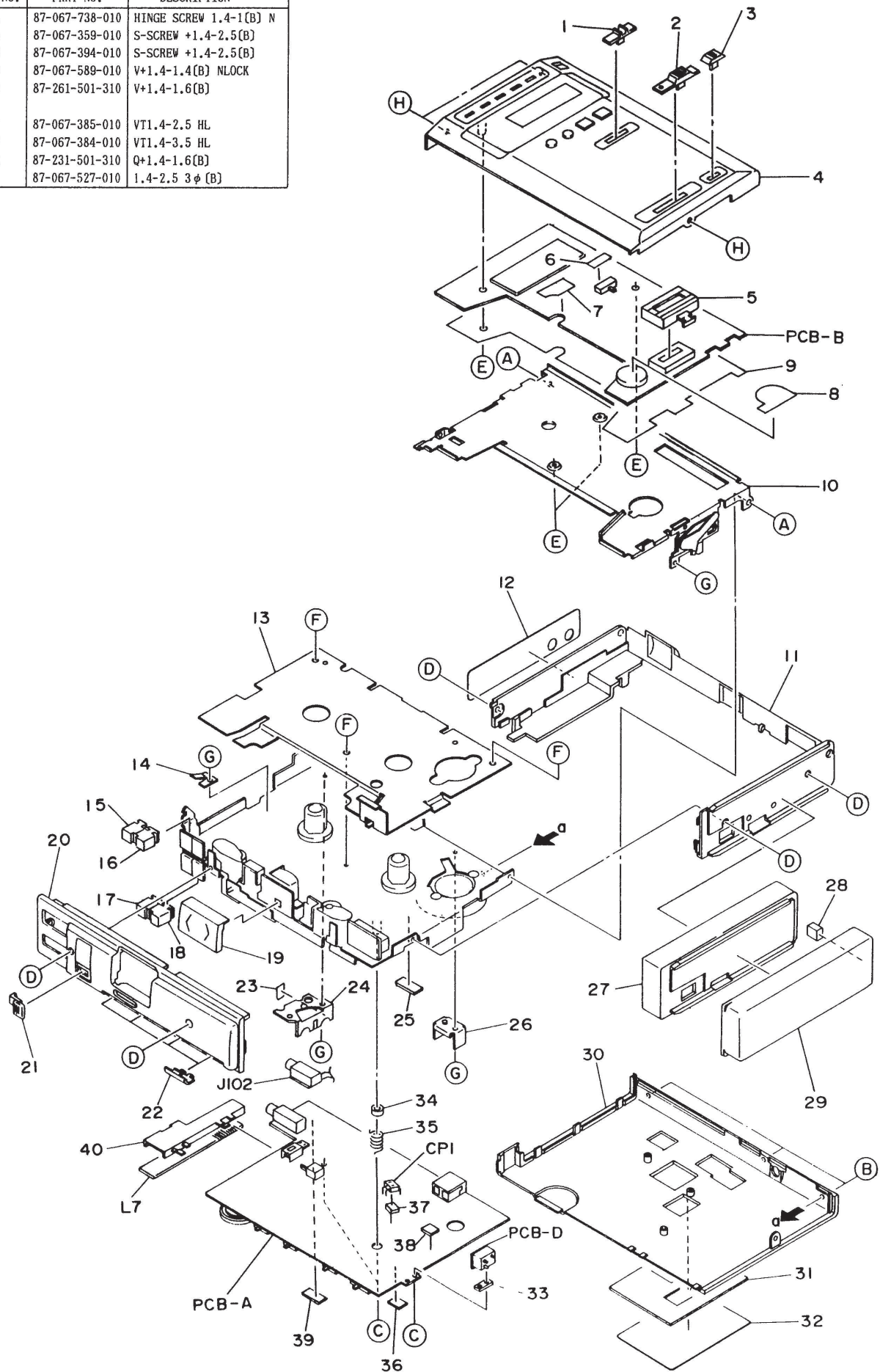
- Settings : • Test tape : TTA - 200 (TTA - 161, TCC - 130)  
• Test point : TP3 (Lch), TP4 (Rch)  
• Adjustment location : SFR101 (Lch)  
SFR102 (Rch)

- DOLBY SW : OFF
- DSL SW : OFF
- BBE SW : OFF

Method : • Connect an electrolytic capacitor ( $10 \mu F / 16V$ ) to measured equipment and TP3 (4), adjust for  $100mV \pm 5mV$ .

# EXPLODED VIEW – 1

| REF.NO. | PART NO.       | DESCRIPTION            |
|---------|----------------|------------------------|
| A       | 87-067-738-010 | HINGE SCREW 1.4-1(B) N |
| B       | 87-067-359-010 | S-SCREW +1.4-2.5(B)    |
| C       | 87-067-394-010 | S-SCREW +1.4-2.5(B)    |
| D       | 87-067-589-010 | V+1.4-1.4(B) N LOCK    |
| E       | 87-261-501-310 | V+1.4-1.6(B)           |
| F       | 87-067-385-010 | VT1.4-2.5 HL           |
| G       | 87-067-384-010 | VT1.4-3.5 HL           |
| H       | 87-231-501-310 | Q+1.4-1.6(B)           |
| I       | 87-067-527-010 | 1.4-2.5 3 φ (B)        |



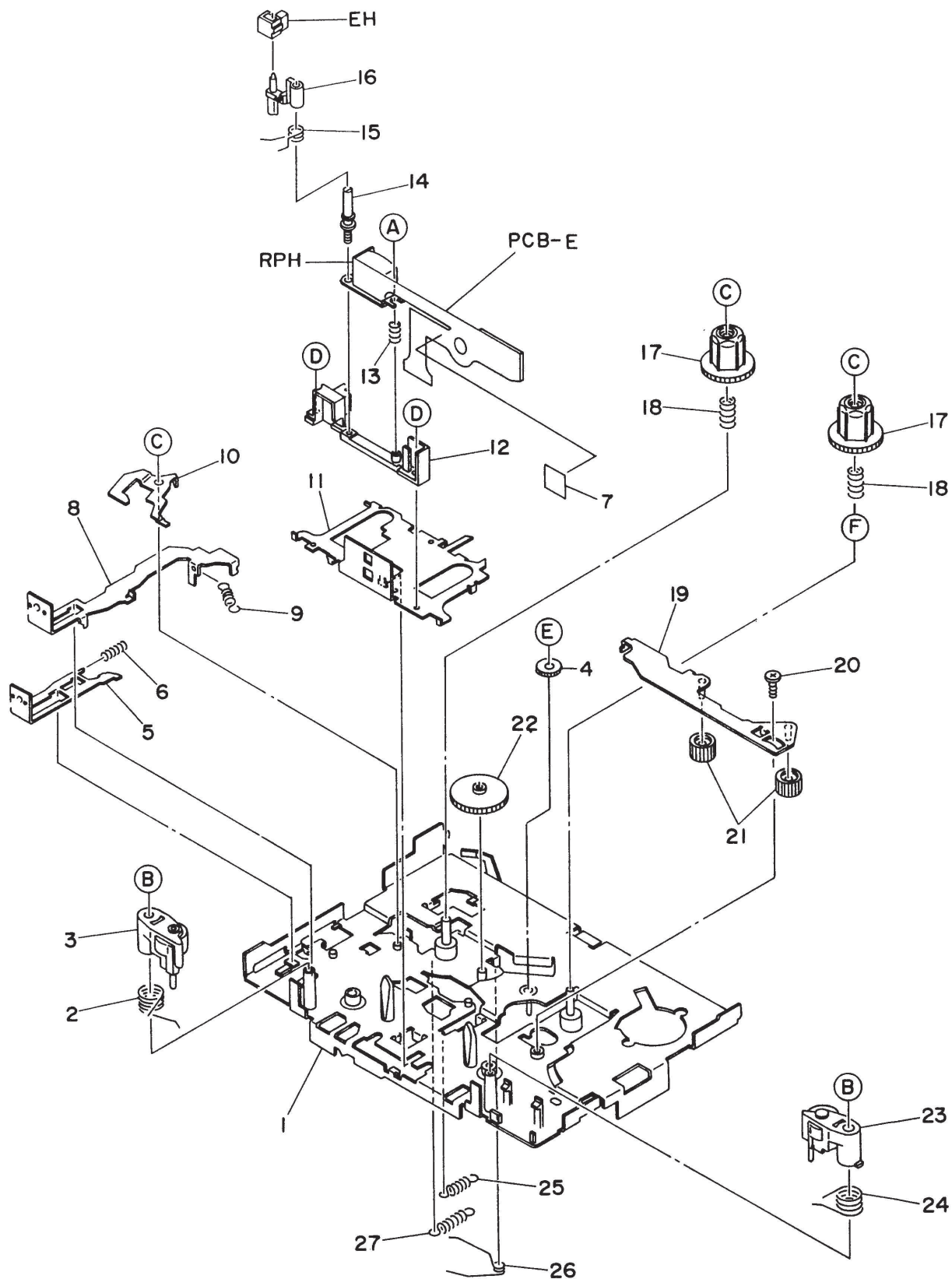


# MECHANICAL PARTS LIST

| PART NO.<br>CHANGED TO | REF.<br>NO. | PART NO.        | DESCRIPTION                 | COMMON<br>MODEL | Q,<br>TY |
|------------------------|-------------|-----------------|-----------------------------|-----------------|----------|
|                        | 1-1         | ★80-HJ3-006-010 | KNOB, SLIDE BAND            |                 | 1        |
|                        | 1-2         | ★80-HJ3-007-010 | KNOB, SLIDE BBE             |                 | 1        |
|                        | 1-3         | ★80-HJ3-005-010 | KNOB, SLIDE DSL             |                 | 1        |
|                        | 1-4         | 09-027-950-010  | LID CASSETTE ASSY           | *               | 1        |
|                        | 1-5         | ★80-HJ3-212-010 | SHEET, 4-30                 |                 | 1        |
|                        | 1-6         | ★80-HJ3-205-010 | HOLDER, VOLUME              |                 | 1        |
|                        | 1-7         | ★80-HJ4-226-010 | SHEET, 5.8-3-2              |                 | 1        |
|                        | 1-8         | 80-HJ3-619-010  | SHEET, FLEXBLE              |                 | 1        |
|                        | 1-9         | ★80-HJ3-207-010 | SHEET, BATTERY              |                 | 1        |
|                        | 1-10        | ★80-HJ3-204-010 | SHEET, INSULATION           |                 | 1        |
|                        | 1-11        | ★80-HJ3-206-010 | HOLDER CASSETTE ASSY        |                 | 1        |
|                        | 1-12        | ★84-462-063-210 | FRAME, CENTER               |                 | 1        |
|                        | 1-13        | ★81-HJ5-005-010 | PLATE, SIDE                 | *               | 1        |
|                        | 1-14        | ★80-HJ4-020-010 | PANEL, DECORATIVE           |                 | 1        |
|                        | 1-15        | ★84-463-209-110 | P-SPRING, POP UP            |                 | 1        |
| 巻3<br>24L ↓            | 1-16/15     | ★84-518-012-010 | PUSH BUTTON, STOP           |                 | 1        |
|                        | 1-17/6      | ★84-518-013-010 | PUSH BUTTON, REC            |                 | 1        |
|                        | 1-18        | ★84-518-011-010 | PUSH BUTTON, REW            |                 | 1        |
|                        | 1-19        | ★84-518-010-010 | PUSH BUTTON, FF             |                 | 1        |
|                        | 1-20        | ★84-465-028-010 | BUTTON, PLAY R              |                 | 1        |
|                        | 1-21        | ★80-HR4-003-210 | PANEL, CONTROL              |                 | 1        |
|                        | 1-22        | ★84-462-014-010 | KNOB, DIRECTION             |                 | 1        |
|                        | 1-23        | ★84-518-018-010 | KNOB, SLIDE A               |                 | 4        |
|                        | 1-24        | ★80-HJ4-229-010 | SHEET, JACK U               |                 | 1        |
|                        | 1-25        | ★80-HJ4-213-210 | HOLDER, JACK                |                 | 1        |
|                        | 1-26        | ★84-462-220-010 | G-CUSHION, 6-6-2.7          |                 | 1        |
|                        | 1-27        | ★84-462-204-010 | HOLDER, JACK DC             |                 | 1        |
|                        | 1-28        | 09-027-818-010  | BATTERY BOX ASSY            | *               | 1        |
|                        | 1-29        | 84-435-241-010  | CUSHION, 5-6-3              |                 | 1        |
|                        | 1-30        | 84-462-018-010  | BOX, BATTERY A              |                 | 1        |
|                        | 1-31        | ★80-HJ3-011-010 | CABINET, REAR               |                 | 1        |
|                        | 1-32        | ★80-HJ3-213-010 | SHEET, 3.5-1.8              |                 | 1        |
|                        | 1-33        | ★81-HJ4-209-010 | ADHESIVE SHEET, SPEC        |                 | 1        |
|                        | 1-34        | ★81-HJ5-004-010 | PLATE, SPEC                 | *               | 1        |
|                        | 1-35        | ---             | SPACER, CONTACT             |                 | 1        |
|                        | 1-36        | ★84-462-237-010 | SHEET, PB                   |                 | 1        |
|                        | 1-37        | ★84-462-207-010 | SHEET, SENSOR               |                 | 1        |
|                        | 1-38        | ★84-462-241-010 | SPACER, BOSS A              |                 | 1        |
|                        | 1-39        | ★84-462-218-110 | C-SPRING, MECHANISM EARTH A |                 | 1        |
|                        | 1-40        | ★80-HJ4-221-010 | SHEET, 10-4-0.1             |                 | 1        |
|                        | 1-41        | ★80-HJA-204-010 | HOLDER, BAR ANTENNA N       |                 | 1        |
|                        | 1-42        | ★80-HJ4-222-010 | SHEET, 4-3-1.5              |                 | 1        |
|                        | 1-43        | ★84-535-201-010 | SHEET, 5-4                  |                 | 1        |
|                        | 1-44        | 82-299-509-010  | HIMERON 7-14                |                 | 1        |
|                        |             | 09-027-829-010  | APPE SCREW KIT              | *               | 1        |

# EXPLODED VIEW – 2

| REF.NO. | PART NO.       | DESCRIPTION       |
|---------|----------------|-------------------|
| A       | 87-268-512-310 | V+1.4-5.5(3)      |
| B       | 87-067-517-110 | S-SCREW M1.4-2    |
| C       | 87-067-516-010 | PW3-1.58-0.25     |
| D       | 87-067-511-010 | S-SCREW M1.4-2(B) |
| E       | 87-067-449-010 | PW3-1.5-0.25 CUT  |
| F       | 86-541-431-010 | PW REEL           |

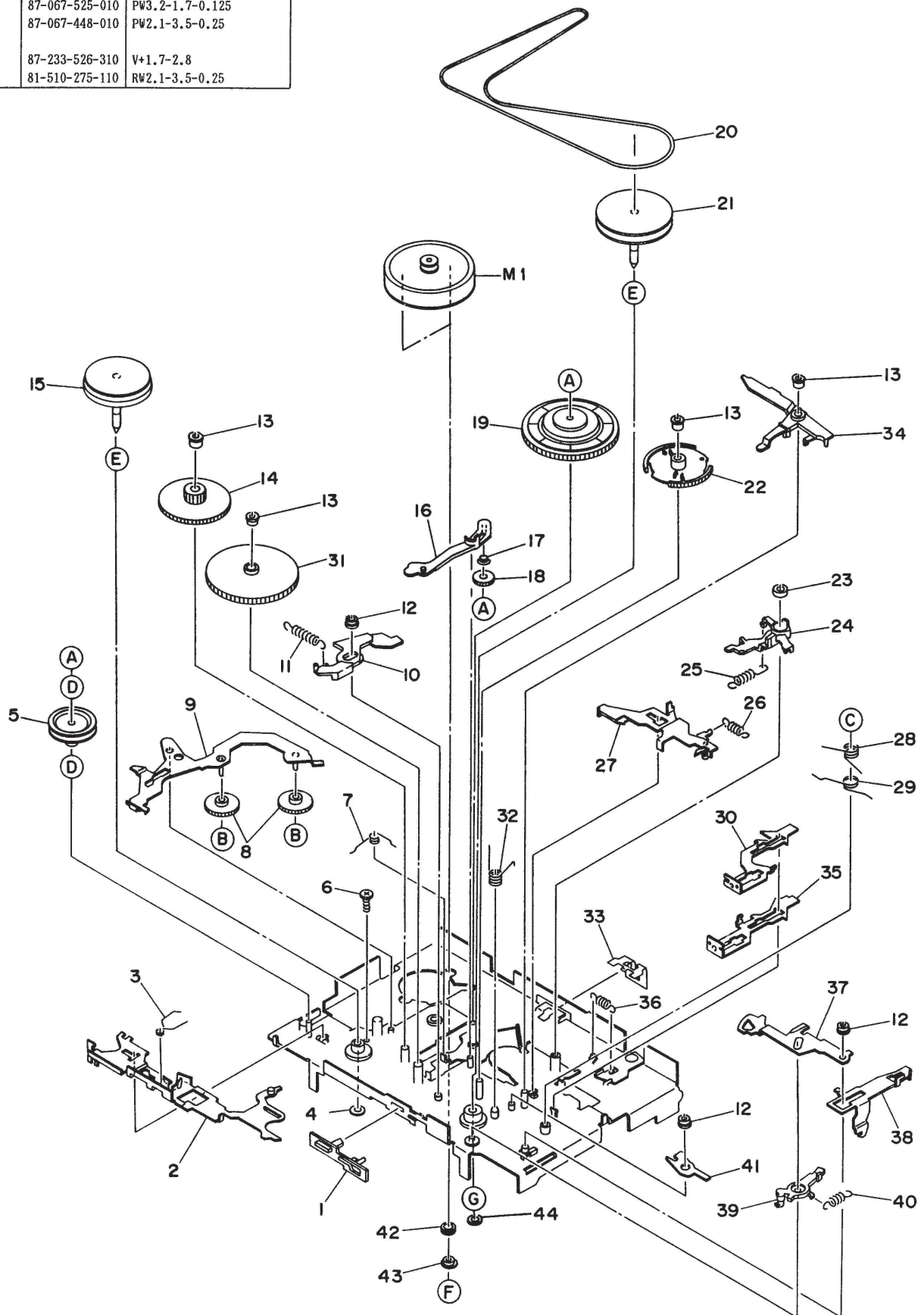




| PART NO.<br>CHANGED TO | REF<br>NO. | PART NO.         | DESCRIPTION             | COMMON<br>MODEL | Q,<br>TY |
|------------------------|------------|------------------|-------------------------|-----------------|----------|
|                        | 2-1        | ★ 86-541-500-710 | OUTSERT ASSY BP         |                 | 1        |
|                        | 2-2        | ★ 86-541-338-110 | T-SPRING, PINCH R P     |                 | 1        |
|                        | 2-3        | 86-541-516-010   | PINCH LEVER R ASSY      |                 | 1        |
|                        | 2-4        | ★ 86-541-477-210 | GEAR, PLAY M            |                 | 1        |
|                        | 2-5        | ★ 86-556-255-110 | PLATE, STOP             |                 | 1        |
|                        | 2-6        | ★ 86-541-329-010 | C-SPRING, STOP          |                 | 1        |
|                        | 2-7        | ★ 86-541-421-010 | MYLAR, FLEXBLE          |                 | 1        |
|                        | 2-8        | ★ 86-541-497-010 | PLATE, REC B            |                 | 1        |
|                        | 2-9        | ★ 86-541-312-110 | E-SPRING, REC LOCK      |                 | 1        |
|                        | 2-10       | ★ 86-541-277-210 | LEVER, REC LOCK         |                 | 1        |
|                        | 2-11       | ★ 86-541-260-910 | CHASSIS, ACTUATING      |                 | 1        |
|                        | 2-12       | ★ 86-541-283-110 | GUIDE, TAPE             |                 | 1        |
|                        | 2-13       | ★ 86-541-318-110 | C-SPRING, AZIMUTH       |                 | 1        |
|                        | 2-14       | ★ 86-541-369-010 | SCREW, EH M1.4          |                 | 1        |
|                        | 2-15       | ★ 86-541-344-010 | T-SPRING, EH LEVER      |                 | 1        |
|                        | 2-16       | ★ 86-541-287-310 | LEVER, EH               |                 | 1        |
|                        | 2-17       | ★ 86-541-236-010 | GEAR, REEL PLATFORM     |                 | 2        |
|                        | 2-18       | ★ 86-541-328-110 | C-SPRING, REEL PLATFORM |                 | 2        |
|                        | 2-19       | ★ 86-541-509-110 | PLATE FR ASSY           |                 | 1        |
|                        | 2-20       | ★ 86-541-519-010 | SCREW, FR               |                 | 1        |
|                        | 2-21       | ★ 86-541-520-110 | GEAR, FR 2              |                 | 2        |
|                        | 2-22       | ★ 86-541-239-010 | GEAR, REW               |                 | 1        |
|                        | 2-23       | 86-541-515-010   | PINCH LEVER F ASSY      |                 | 1        |
|                        | 2-24       | ★ 86-541-314-010 | T-SPRING, PINCH F R     |                 | 1        |
|                        | 2-25       | ★ 86-541-331-010 | E-SPRING, ACTUATING     |                 | 1        |
|                        | 2-26       | ★ 86-541-347-210 | T-SPRING, FR LEVER      |                 | 1        |
|                        | 2-27       | ★ 86-541-336-010 | E-SPRING, REC           |                 | 1        |

# EXPLODED VIEW – 3

| REF.NO. | PART NO.       | DESCRIPTION     |
|---------|----------------|-----------------|
| A       | 87-067-447-010 | PW3-1.215-0.25  |
| B       | 87-067-449-010 | PW3-1.5-0.25    |
| C       | 87-067-487-010 | S-SCREW +1.7-3  |
| D       | 87-067-525-010 | PW3.2-1.7-0.125 |
| E       | 87-067-448-010 | PW2.1-3.5-0.25  |
| F       | 87-233-526-310 | V+1.7-2.8       |
| G       | 81-510-275-110 | RW2.1-3.5-0.25  |





| PART NO.<br>CHANGED TO | REF.<br>NO. | PART NO.         | DESCRIPTION                | COMMON<br>MODEL | Q.<br>TY |
|------------------------|-------------|------------------|----------------------------|-----------------|----------|
|                        | 3-1         | ★ 84-518-019-010 | KNOB, DIRECTION MODE       |                 | 1        |
|                        | 3-2         | ★ 86-541-222-710 | PLATE PINCH SELECT ASSY    |                 | 1        |
|                        | 3-3         | ★ 86-541-320-710 | T-SPRING, PLAY LEVER       |                 | 1        |
|                        | 3-4         | ★ 87-067-612-010 | SHEET, SOMA 3-1.5-0.5 CUT  |                 | 1        |
|                        | 3-5         | ★ 86-541-235-110 | PULLEY, RELAY B            |                 | 1        |
|                        | 3-6         | ★ 86-541-423-010 | SCREW, PLAY                |                 | 1        |
|                        | 3-7         | ★ 86-541-334-210 | T-SPRING, AUTO LEVER       |                 | 1        |
|                        | 3-8         | ★ 86-541-242-310 | GEAR, PLAY                 |                 | 2        |
|                        | 3-9         | ★ 86-541-479-310 | LEVER, PLAY ASSY M         |                 | 1        |
|                        | 3-10        | ★ 86-541-288-410 | LEVER, MODE SELECT         |                 | 1        |
|                        | 3-11        | ★ 86-541-341-010 | E-SPRING, MODE SELECT      |                 | 1        |
|                        | 3-12        | ★ 86-541-376-110 | COLLAR, PW-BOARD P         |                 | 3        |
|                        | 3-13        | ★ 86-541-367-010 | COLLAR, PW-BOARD J         |                 | 4        |
|                        | 3-14        | ★ 86-541-240-010 | GEAR, SLOW-DOWN            |                 | 1        |
|                        | 3-15        | 86-541-481-210   | FLYWHEEL FWD ASSY          |                 | 1        |
|                        | 3-16        | ★ 86-541-285-110 | LEVER, AUTO                |                 | 1        |
|                        | 3-17        | ★ 86-541-325-010 | C-SPRING, AUTO GEAR        |                 | 1        |
|                        | 3-18        | ★ 86-541-521-010 | GEAR, AUTO 2               |                 | 1        |
|                        | 3-19        | ★ 86-541-517-110 | GEAR CLUTCH ASSY MK2       |                 | 1        |
|                        | 3-20        | 86-541-371-010   | BELT, B1                   |                 | 1        |
|                        | 3-21        | 86-541-482-310   | FLYWHEEL ASSY RVS          |                 | 1        |
|                        | 3-22        | ★ 86-541-238-510 | GEAR, CAM                  |                 | 1        |
|                        | 3-23        | ★ 84-462-208-110 | SPACER, BOSS               |                 | 1        |
|                        | 3-24        | ★ 86-541-291-110 | LEVER, REC EJECT BR        |                 | 1        |
|                        | 3-25        | ★ 86-541-297-210 | E-SPRING, REC EJECT        |                 | 1        |
|                        | 3-26        | ★ 86-541-332-110 | E-SPRING, PLATE LOCK       |                 | 1        |
|                        | 3-27        | ★ 86-541-223-310 | PLATE EJECT ASSY A         |                 | 1        |
|                        | 3-28        | ★ 86-541-349-010 | T-SPRING, FR BUTTON        |                 | 1        |
|                        | 3-29        | ★ 86-541-339-010 | T-SPRING, TRIGGER          |                 | 1        |
|                        | 3-30        | ★ 86-541-495-010 | PLATE, REW                 |                 | 1        |
|                        | 3-31        | ★ 86-541-237-210 | GEAR, AUTO CAM             |                 | 1        |
|                        | 3-32        | ★ 86-541-345-310 | T-SPRING, SELECT CAM       |                 | 1        |
|                        | 3-33        | ★ 86-541-323-010 | P-SPRING, CASSETTE SUPPORT |                 | 1        |
|                        | 3-34        | ★ 86-541-284-310 | LEVER, TRIGGER             |                 | 1        |
|                        | 3-35        | ★ 86-541-494-010 | PLATE, FF                  |                 | 1        |
|                        | 3-36        | ★ 86-541-330-110 | E-SPRING, REC BLOCKING     |                 | 1        |
|                        | 3-37        | ★ 86-541-522-110 | LEVER, EH RESET            |                 | 1        |
|                        | 3-38        | ★ 86-541-263-210 | PLATE, EJECT               |                 | 1        |
|                        | 3-39        | ★ 86-541-286-010 | LEVER, DIRECTION           |                 | 1        |
|                        | 3-40        | ★ 86-541-343-010 | E-SPRING, DIRECTION        |                 | 1        |
|                        | 3-41        | ★ 86-541-273-110 | LEVER, TRIGGER LOCK        |                 | 1        |
|                        | 3-42        | ★ 86-511-445-010 | G CUSHION, MOTOR           |                 | 2        |
|                        | 3-43        | ★ 86-511-449-010 | COLLAR, MOTOR B            |                 | 2        |
|                        | 3-44        | ★ 87-034-739-010 | SHEET, SOMA 1.63-3.2-0.3   |                 | 1        |
|                        |             | ★ 09-027-568-010 | COLLAR, PW-BOARD (PJ) KIT  |                 | 1        |

## ■ ACCESSORIES/PACKAGE LIST

| PART NO.<br>CHANGED TO | REF.<br>NO. | PART NO.        | DESCRIPTION             | COMMON<br>MODEL | Q,TY |
|------------------------|-------------|-----------------|-------------------------|-----------------|------|
|                        | 1           | ★81-HJ5-901-010 | INSTRUCTION BOOKLET, EX | ※               | 1    |
|                        | 2           | ★81-HJ5-951-010 | CARRING CASE A          | ※               | 1    |
|                        | 3           | ★87-047-123-010 | PB-3NAY                 |                 | 1    |
|                        | 4           | ★87-042-094-119 | AC ADAPTOR,AC-207HA (H) |                 | 1    |
|                        | 5           | ★87-042-095-119 | AC ADAPTOR,AC-207EA (E) |                 | 1    |
|                        | 6           | ★87-048-238-010 | HP-23NA                 |                 | 1    |
|                        | 7           | 87-041-065-010  | MIC,CM-S30A             |                 | 1    |
|                        | 8           | ★09-027-818-010 | BATTERY BOX C ASSY      |                 | 1    |