



VIDEO CASSETTE RECORDER

SV-610X/210X

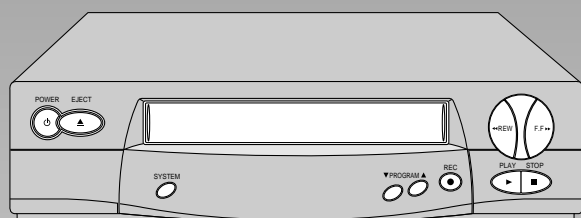
SV-614B/210B

SV-480G/470G

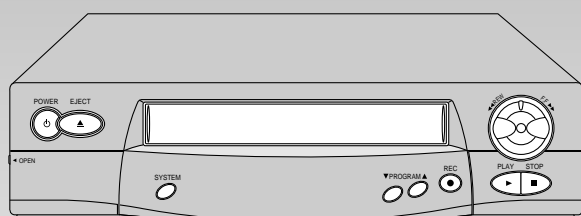
SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DX7-A/AC, DX8-A/AC → AC68-20392A).

VIDEO CASSETTE RECORDER



SV-610X/210X/614B/210B/470G



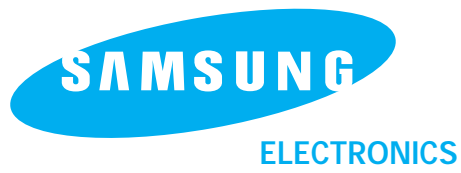
SV-480G

CONTENTS

1. Precautions
2. Reference Information
3. Product Specifications and Comparison Chart
4. Disassembly and Reassembly
5. Alignment and Adjustment
6. Exploded View and Parts List
7. Electrical Parts List
8. Block Diagrams
9. PCB Diagrams
10. Wiring Diagram
11. Schematic Diagrams



SERVICE MANUAL SV-610X/210X/614B/210B/480G/470G



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1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).
5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.
6. X-ray Limits :
The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

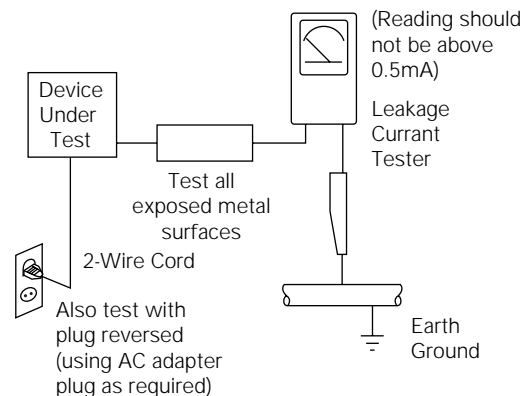




Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
8. High Voltage Limit :
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

Heed the high voltage limits. These include the *X-ray protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.
9. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
10. Immediately before handling sny semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
12. Design Alteration Warning :
Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
13. Hot Chassis Warning :
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

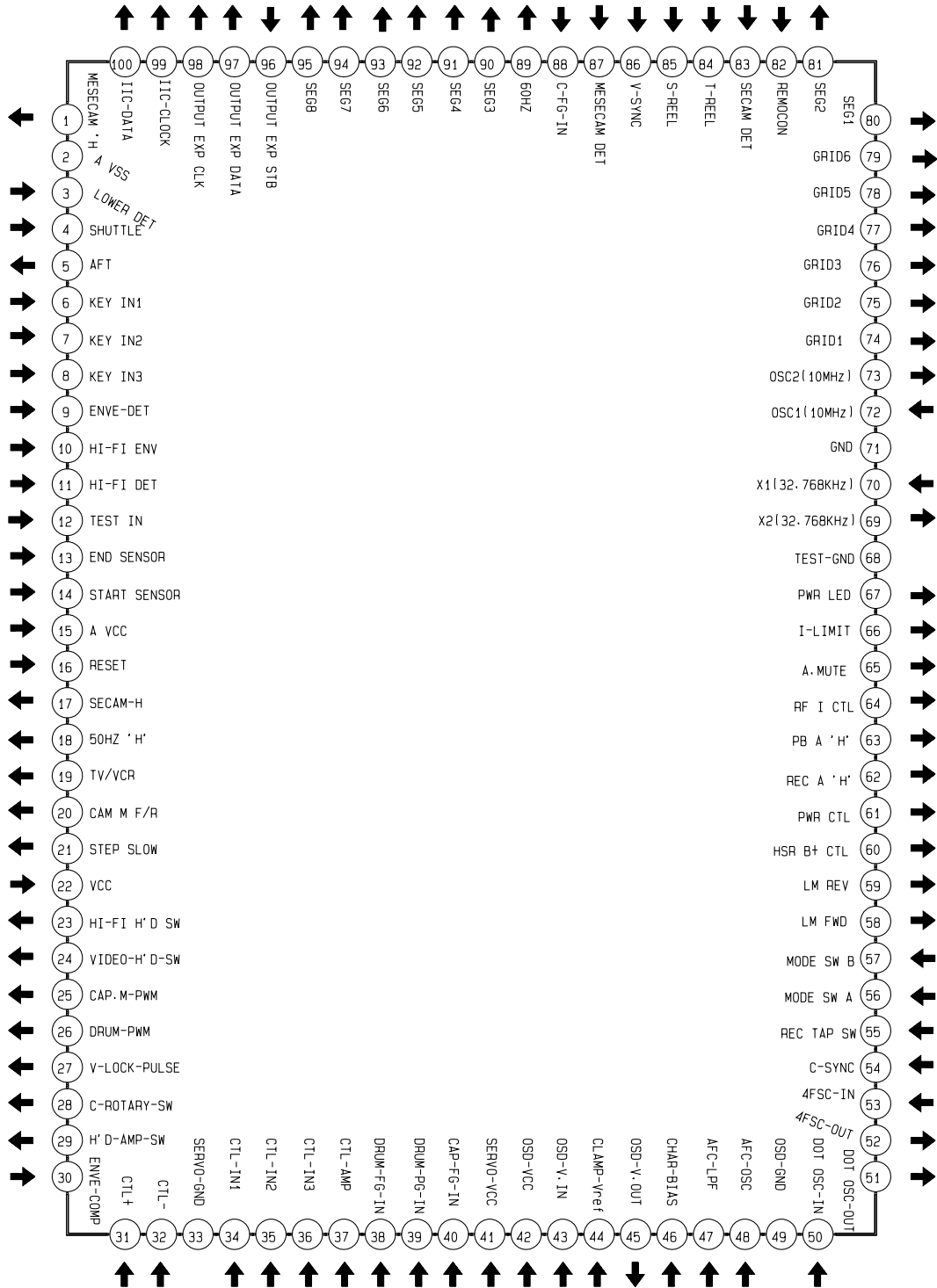
To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.
15. Never defeat any of the B+ voltage interlocks.
Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
16. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.
17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
18. Picture Tube Implosion Warning :
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
20. Product Safety Notice :
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, ( or ).
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

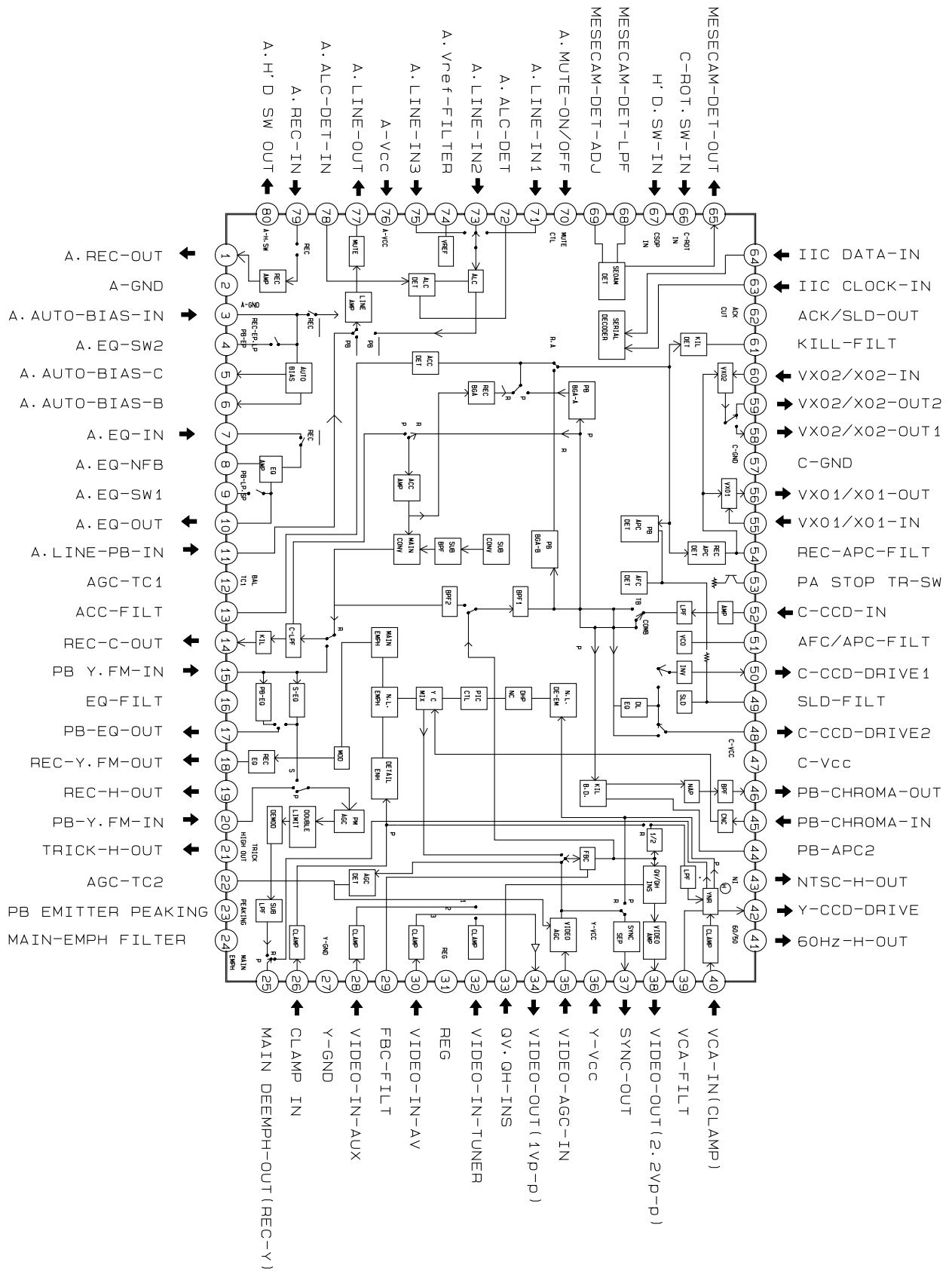
2. Reference Information

2-1 IC BLOCK

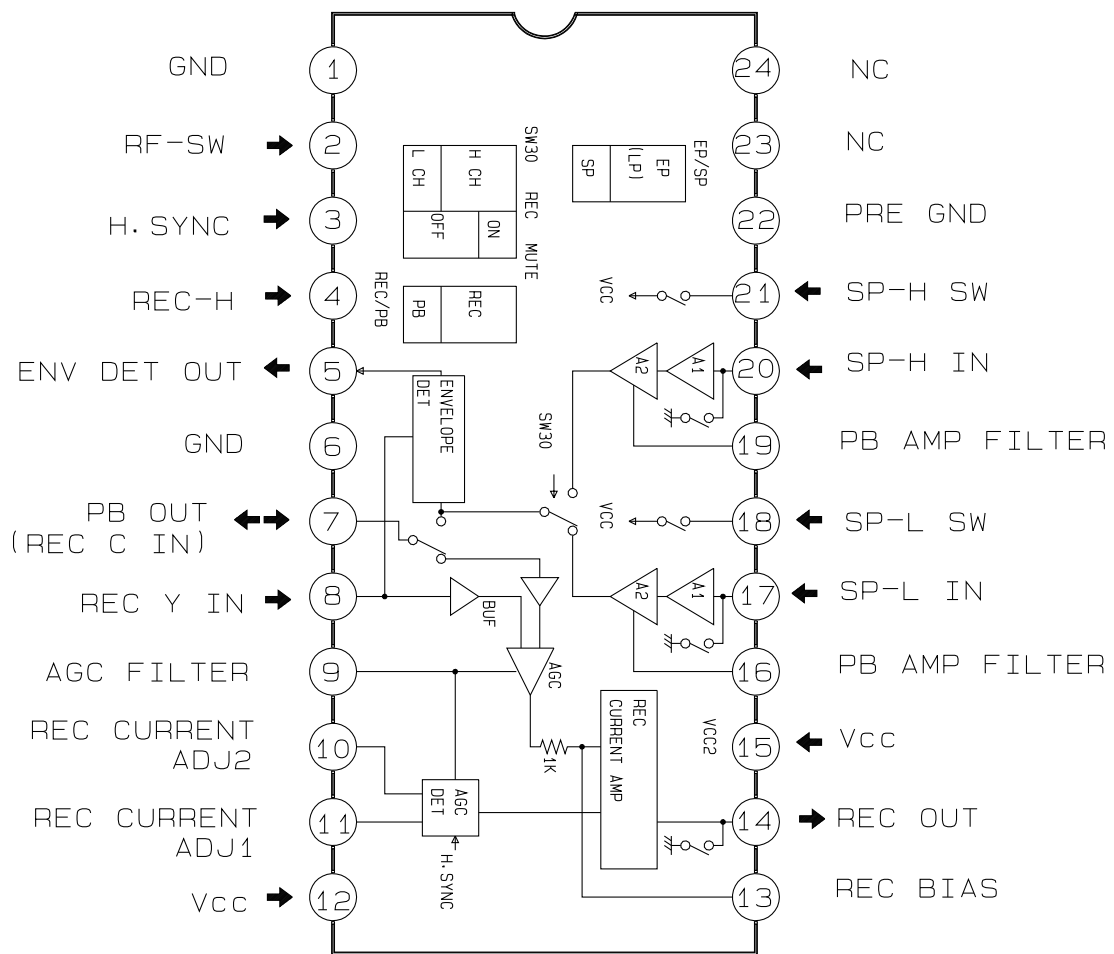
2-1-1 IC601 (HD6433977)



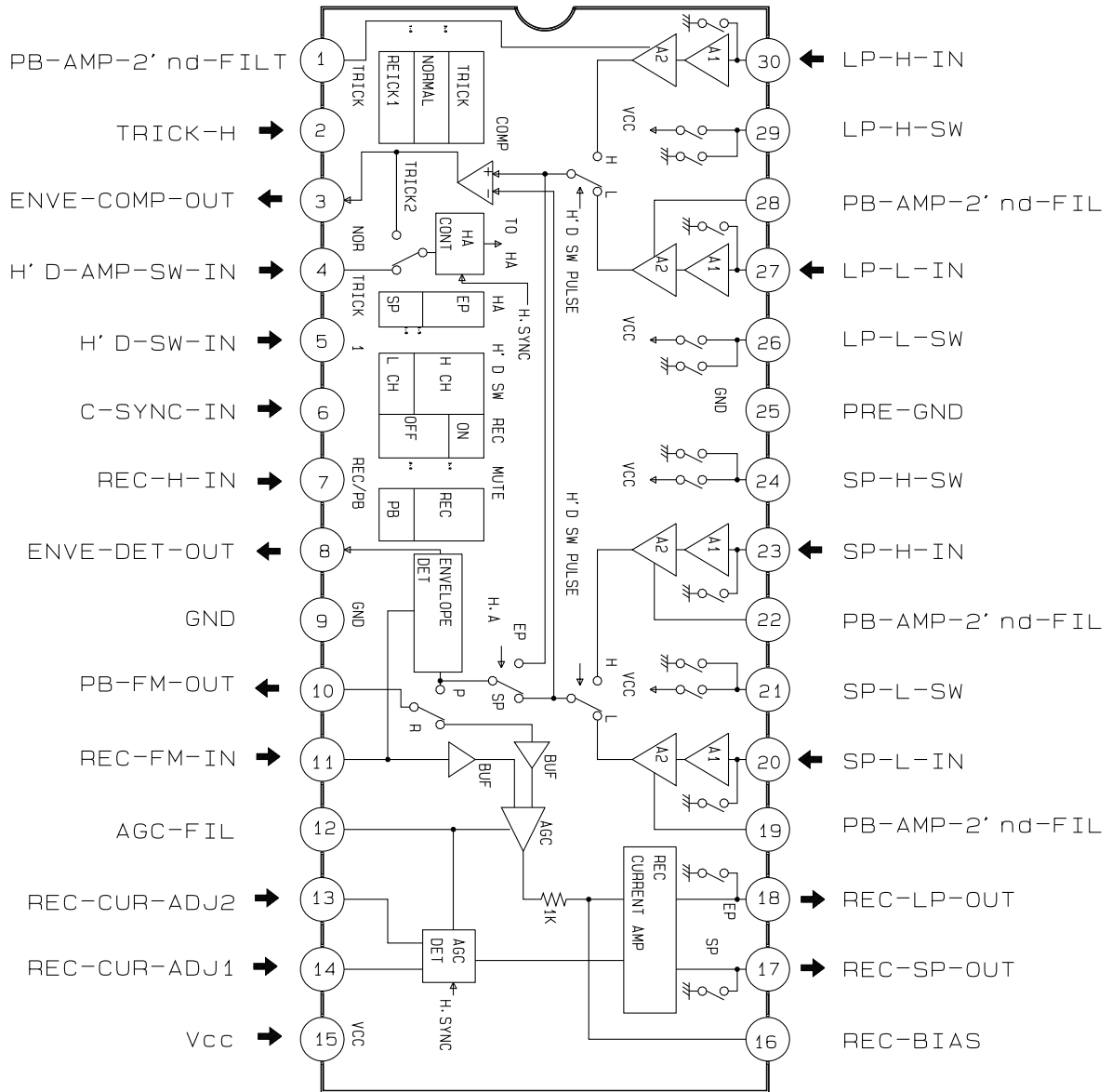
2-1-2 IC301 (SS11511M)



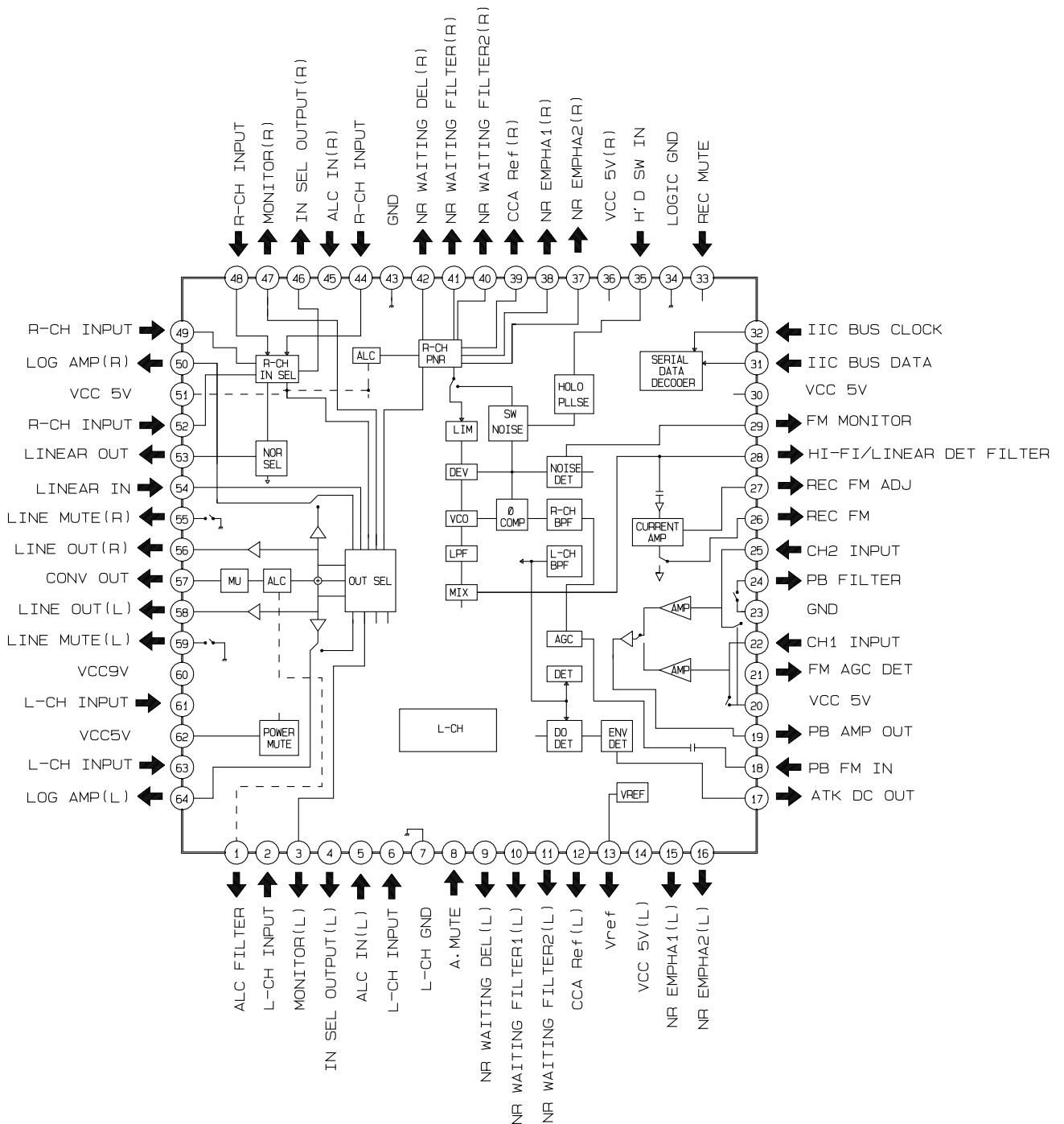
2-1-3 IC302 (LA7411) - 2Head



2-1-4 IC302 (LA7416) - 4Head



2-1-5 IC501 (LA72633) - Only for SV-610X/614B



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3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

| Operation | Description |
|-------------------------|---|
| Format | VHS PAL standard |
| Heads | Video : 4 or 2 rotary heads Audio/Control : 1 stationary head Hi-Fi : 2 rotary heads Erase : 1 full track erase head |
| Receiving channel | VHF-I, VHF-III, UHF, Hyperband |
| Television system | Standard B/G (for German) Standard I (for U.K) Standard B/G, D/K (for East Europe) |
| Recording system | |
| Luminance | FM azimuth recording |
| Colour | PAL (NTSC/MESECAM) : Down converted subcarrier phase shifted direct recording NTSC PB on PAL TV |
| Tape speed | SP : 23.39 mm/sec, LP : 11.69 mm/sec |
| Recording/playback time | SP : 3 hours (E-180 Tape), LP : 6 hours (E-180 Tape) |
| F.F/REW time | About 100 ~ 190 sec in REW/F.F with E-180 tape |
| VIDEO | |
| Input | 0.5 to 2.0 Vp-p : 75 ohm unbalanced |
| Output | 1.0 ± 0.2 Vp-p : 75 ohm unbalanced |
| Signal-to-noise ratio | Better than 43 dB (SP) |
| Horizontal resolution | More than 240 lines (SP) |
| Audio | |
| Input | -8 dBm, 47 Kohm unbalanced |
| Output | -8 ± 3 dBm, 1 Kohm unbalanced |
| Wow and flutter (WTD) | 0.4% max (SP) |
| Signal-to-noise ratio | Hi-Fi : 68dB min (IHF A filter), Mono : 42 dB min (IHF filter) |
| Frequency response | Hi-Fi : 20Hz ~ 20KHz, Mono : 100Hz ~ 8KHz |
| Power requirement | 230V (AC 50/60 Hz) |
| Power consumption | Hi-Fi : Approx. 21 watts Mono : Approx. 18 watts |
| Operation temperature | 41°F ~ 104°F (5°C ~ 40°C) |
| Operation humidity | 10%-75% |
| Weight | 4.4 Kg (net) |
| Dimensions (W x H x D) | 360 x 92 x 314 mm |

3-2 Comparison Chart

| COUNTRY | MODEL | HEADS | TAPE SPEED | A2 | NICAM | S/VIEW | V/PLUS | VPS | PDC | ATS | CANAL+ | P/MIERE | VCR/TV | DIAMOND HEAD (DLC) |
|---------|---------|-----------|------------|----|-------|--------|--------|-----|-----|-----|--------|---------|--------|--------------------|
| GERMANY | SV-610X | 4 (Hi-Fi) | SP/LP | O | X | O | X | O | X | O | X | X | X | X |
| | SV-210X | 2 | SP | X | X | O | X | O | X | O | X | X | X | X |
| U.K | SV-614B | 4 (Hi-Fi) | SP/LP | X | O | X | O | X | O | O | X | X | X | X |
| | SV-210B | 2 | SP/LP | X | X | X | X | X | O | O | X | X | X | X |
| POLAND | SV-480G | 4 (Mono) | SP/LP | X | X | O | X | O | X | O | X | X | X | O |
| | SV-470G | 4 (Mono) | SP/LP | X | X | X | X | X | X | X | X | X | X | O |

4. Disassembly and Reassembly

4-1 Cabinet Assembly

Note : Disassemble in the order shown.
Reassemble in reverse order.

4-1-1 Cabinet Top removal

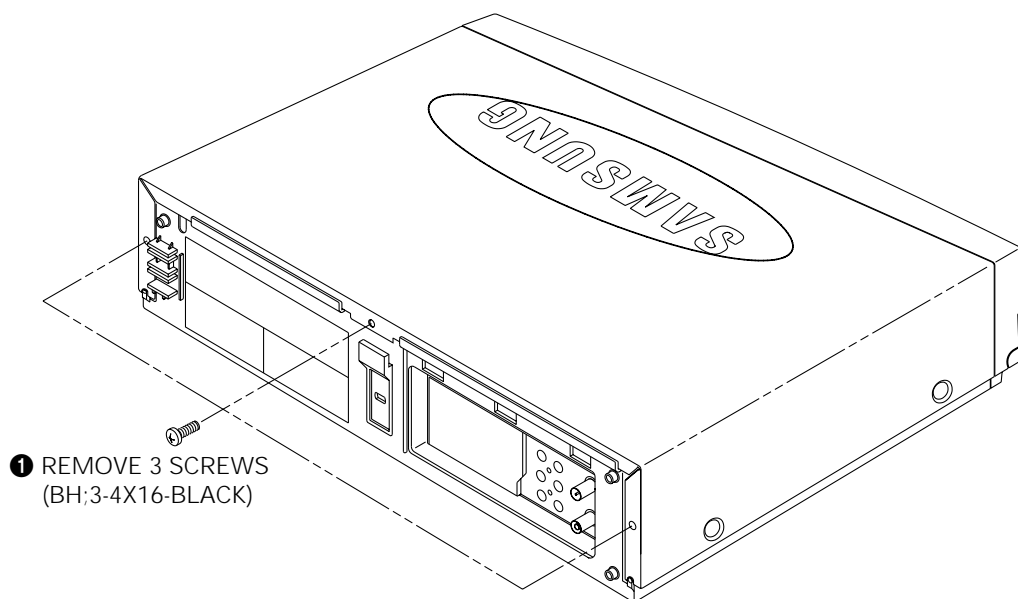


Fig. 4-1 Cabinet Top removal

4-1-2 Bottom cover removal

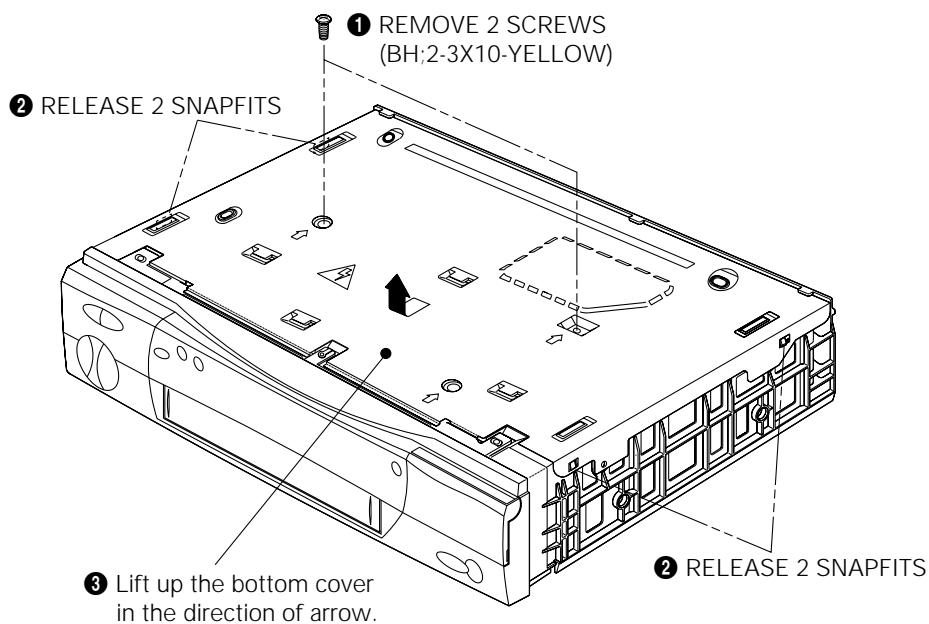
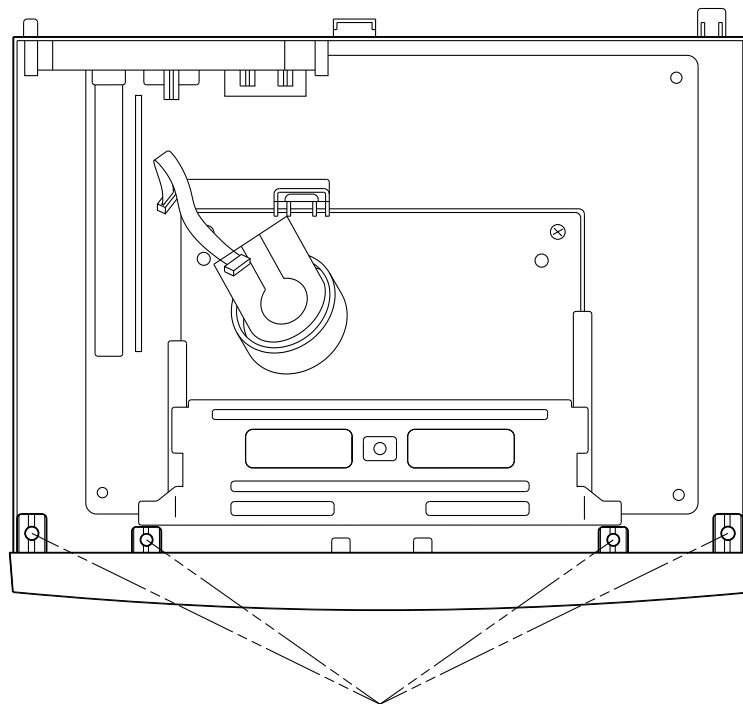


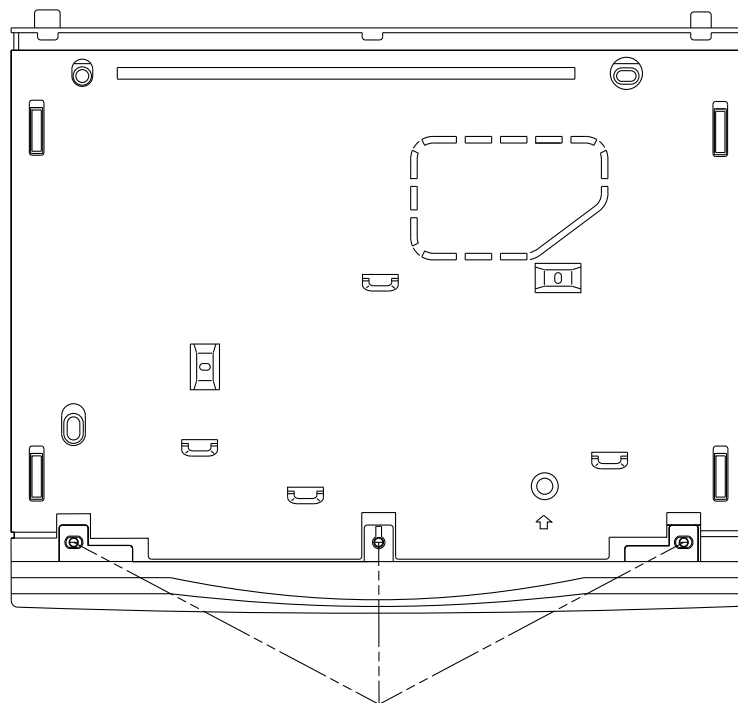
Fig. 4-2 Bottom Cover removal

4-1-3 Ass'y Front Panel removal



❶ RELEASE 4 HOOKS

(Top view)



❷ RELEASE 3 HOOKS

(Bottom view)

Fig. 4-3 Ass'y Front Panel removal

4-1-4 Ass'y Function-Timer removal

Note : Take extreme care not to damage the PCB when removing it.

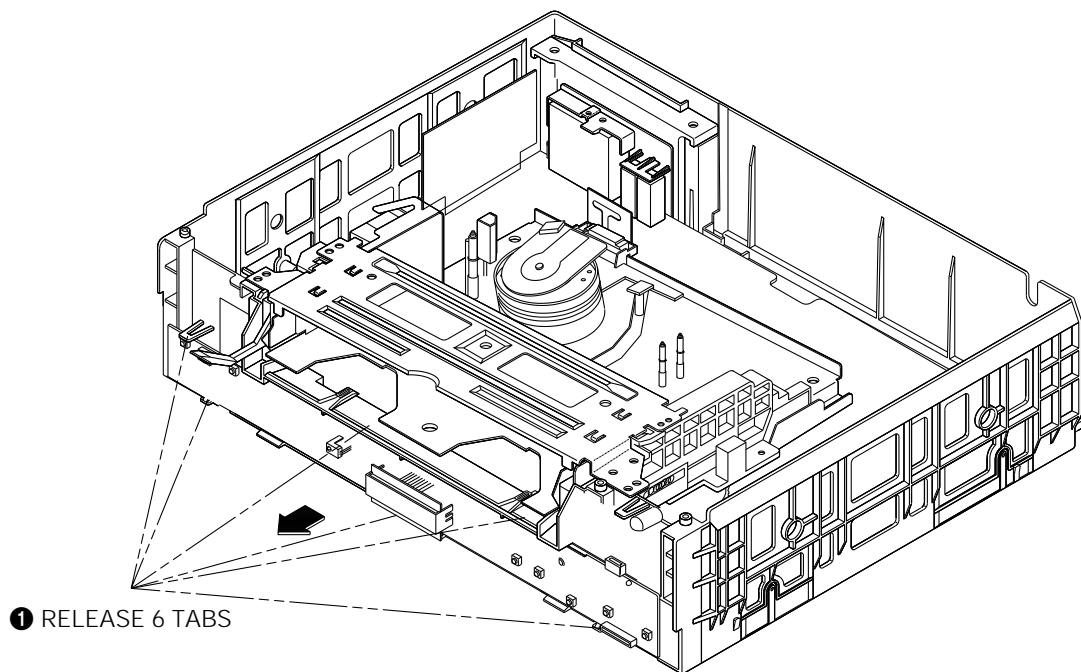


Fig. 4-4 Ass'y Function-Timer removal

4-1-5 Chassis removal

Note : 1. When removing chassis, take extreme care not to damage the main PCB front.
2. When reinstalling the deck on the main PCB, take extreme care not to damage the sensor.

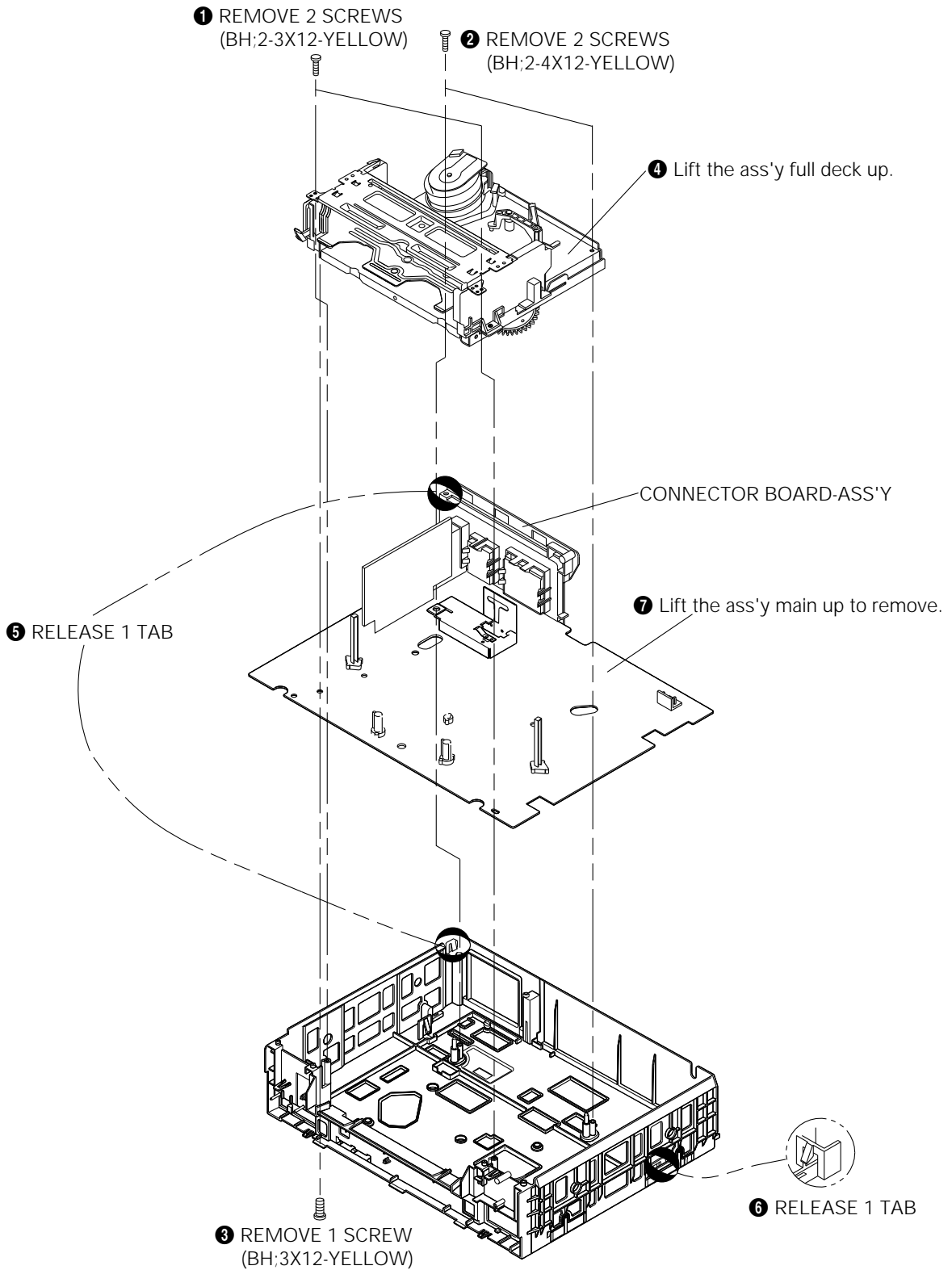


Fig. 4-5 Chassis Removal

4-2 Circuit Board Locations

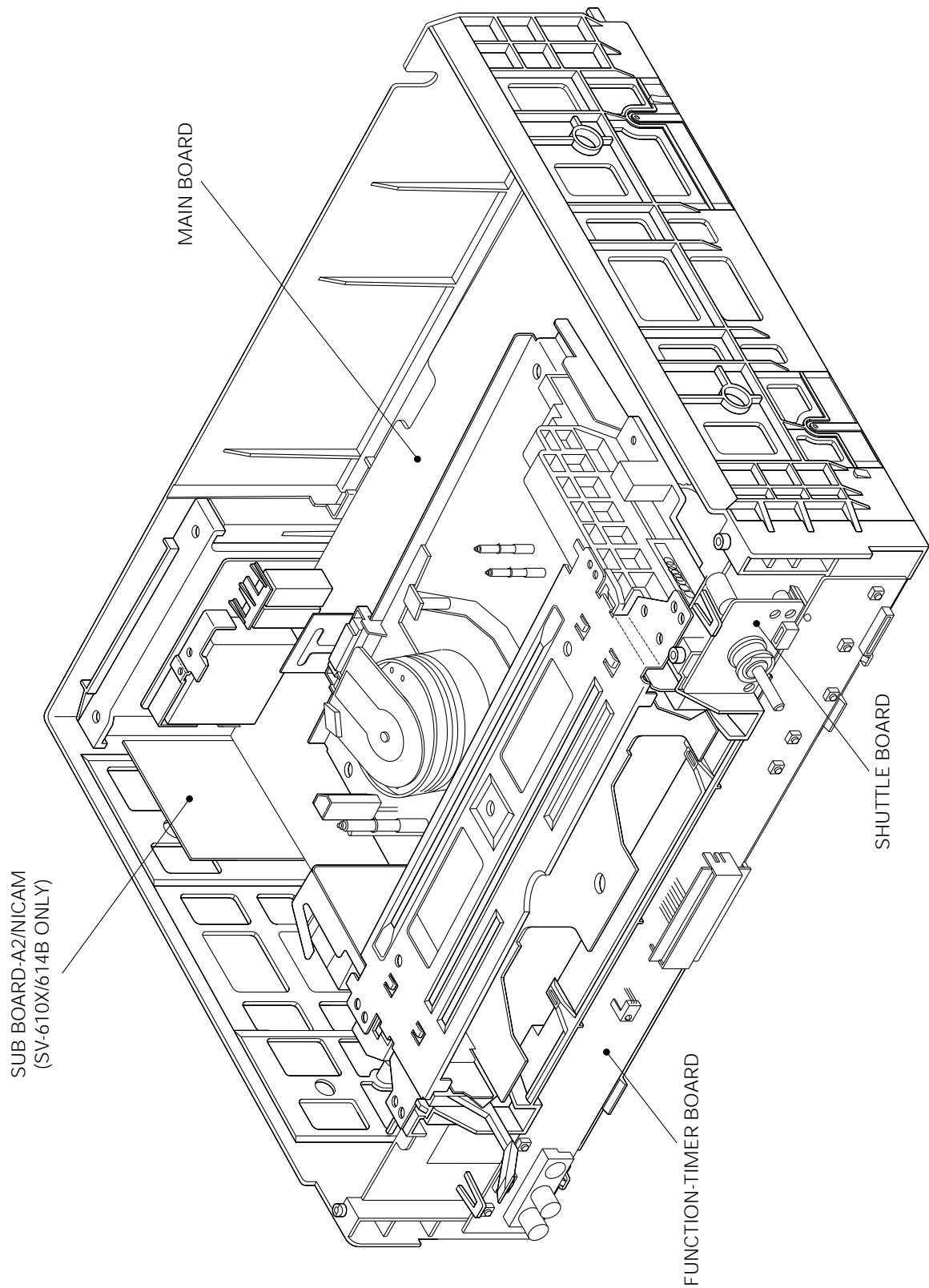


Fig. 4-6 Circuit Board Locations

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5. Alignment and Adjustment

Note : After replacing the ass'y full deck, the ass'y main, the cylinder ass'y and the micom(IC601), the remote control ass'y can be used to adjust the "X-point (tracking center) adjustment" and "Head S/W point" adjustment.

5-1 Reference

5-1-1 The type of remote control ass'y

1. Remote control ass'y (AC93-10039Y/69099-633-252) is specified as a service jig in the service manual of X-5/X-6(DX5-R/DX5-RC/DX6-R/DX6-RC) chassis. (See Fig. 5-1)
2. Normal remote control ass'y for X-7/X-8 (DX7-R/DX7-RC/DX8-R/DX8-RC) chassis. (See Fig. 5-2)

5-1-2 How to identify between normal remote control ass'y and multi remote control ass'y for X-7/X-8 chassis (See Fig. 5-2)

1. The color of some buttons related to TV function are gold.
2. Audio button is added instead of the test button hidden behind of inlay.
3. The positions of some buttons are different.

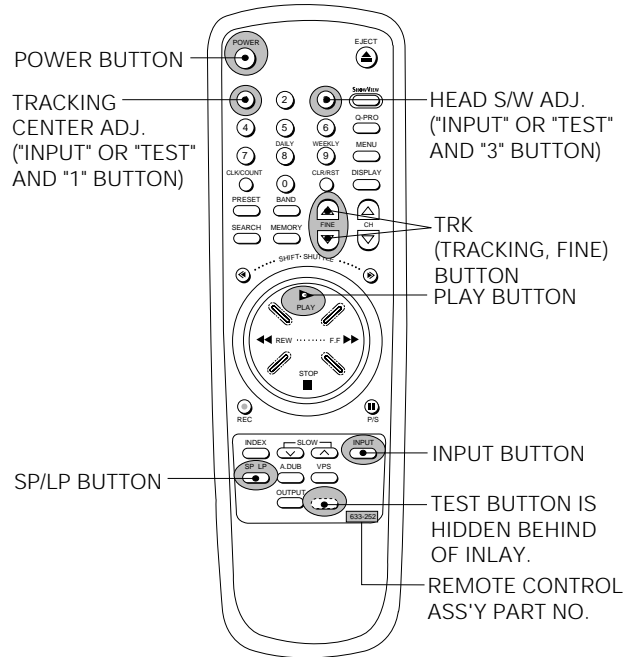


Fig. 5-1 Remote Control Ass'y Jig for X-5/X-6 Chassis (AC93-10039Y/69099-633-252)

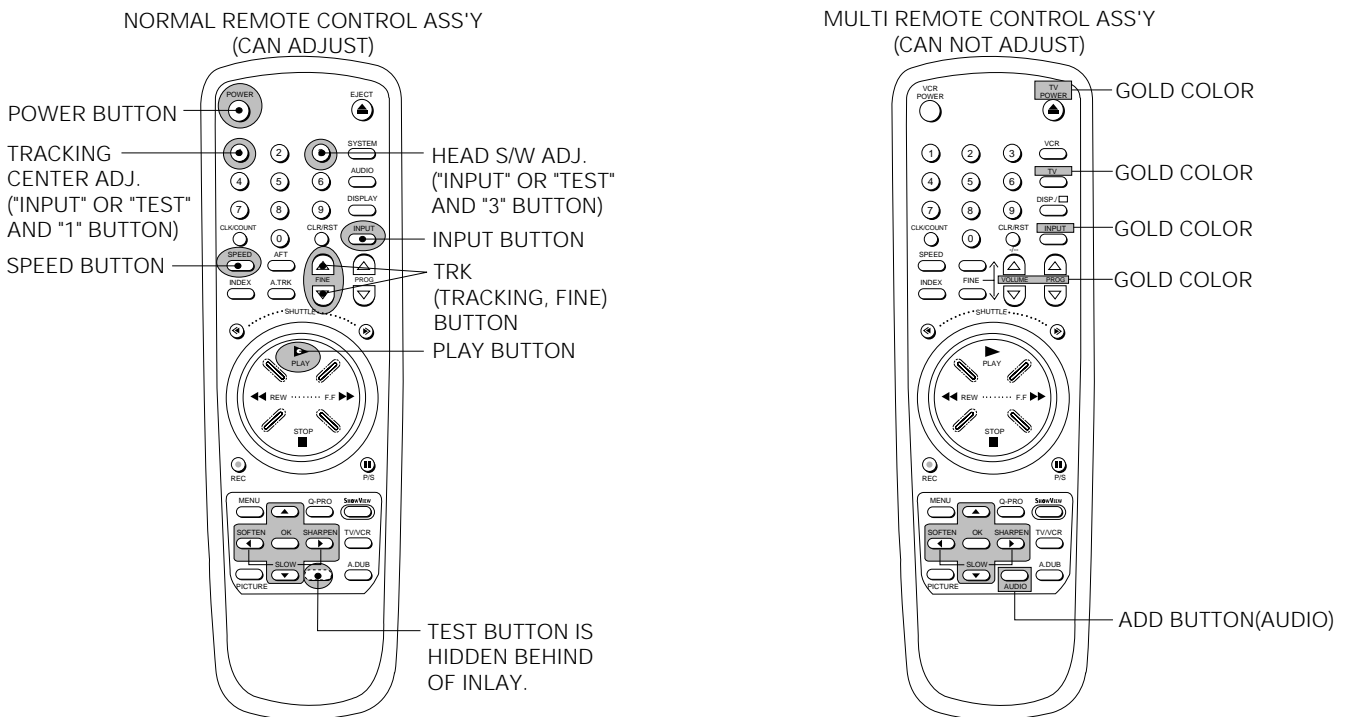


Fig. 5-2 Remote Control Ass'y for X-7/X-8 Chassis

5-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual “DX7-A/DX7-AC/DX8-A/DX8-AC (AC68-20392A)” for the adjustment and confirmation of ass’y full deck.

5-2-1 The number and position of test point

Test point : TP02 (CTL Pulse)
TP03 (H'D S/W -Trigger)
TP04 (V. Envelope)
TP05 (Audio out)

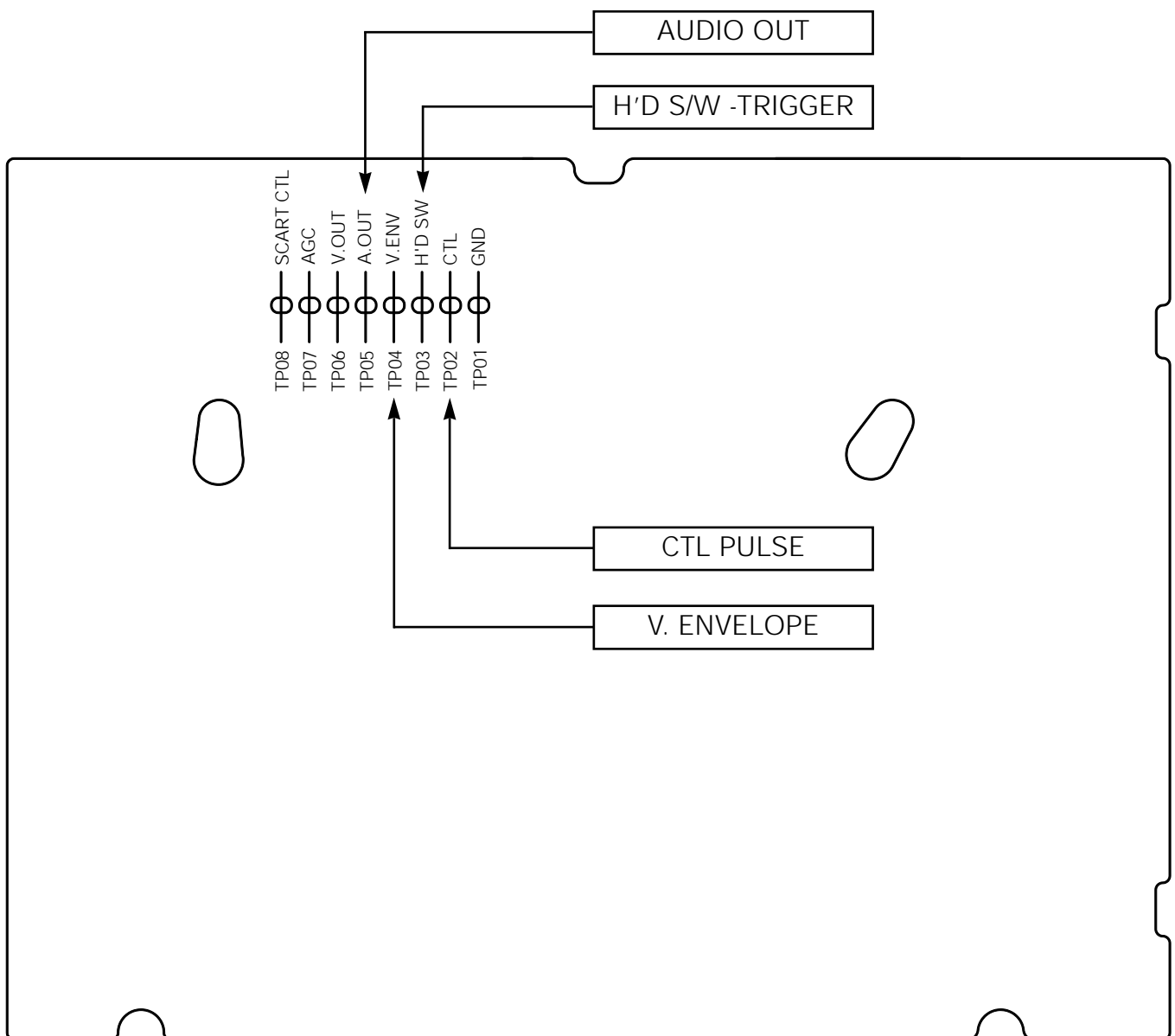




Fig. 5-3 The position of test point (Main PCB-Component side)

5-2-2 X-Point(Tracking center) adjustment (See the 2-2-1 (d) AC HEAD POSITION(X-POINT) ADJUSTMENT on page 2-3 of the mechanical manual)

5-2-2 (a) IF THE REMOTE CONTROL ASS'Y IS NOT AVAILABLE

1. Playback the colorbar alignment tape.
2. Connect CH-1 scope probe to "TP02" and CH-2 scope probe to "TP03". And then, trigger head switching pulse.
3. Set tracking preset to 11msec (2head : 2.7msec, 4, 6head : 11msec) using the "FINE (ADJUST)" button  /  of the other remote control ass'y except the remote control ass'y jig for X-5/ X-6 chassis and the normal remote control ass'y for X-7/ X-8 chassis.
4. Insert the adjusting driver (+) into X-position adjusting gear. Adjust the driver in either direction for maximum envelope waveform.

Note : Since the adjusting gear unit may be damaged, do not adjust by force when adjusting the X-point using the adjusting driver (+). After turn the X-point adjusting screw (D) counterclockwise a little, perform the adjustment. After adjustment is completed, tighten the screw.

<Setting of scope>

- Volt/div. : CH-1 = 0.1V
CH-2 = 0.2V

- Time/div. : 5msec

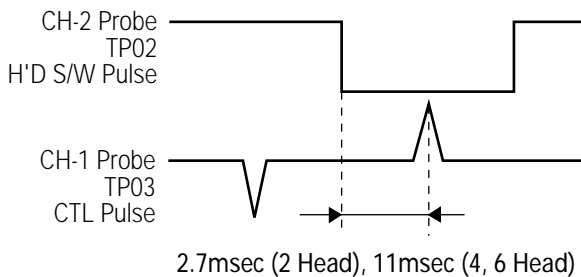


Fig. 5-4 Tracking preset adjustment



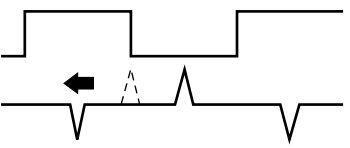


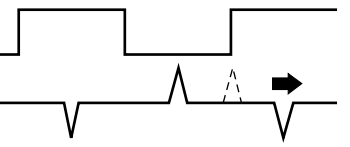
| REMOTE BUTTONS | CONTROL PULSE REMOVE |
|---|---|
|  PUSH FINE  |  |
|  FINE  PUSH |  |

Fig. 5-5 Tracking preset adjustment

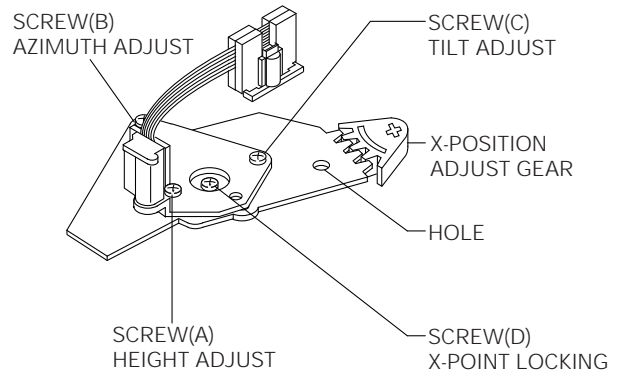


Fig. 5-6 Location of A/C Head adjustment screw

5-2-2 (b) IF THE REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

Note : How to use the "TEST" button.

1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "INPUT" button of remote control ass'y;

- 1) Simultaneously press the "INPUT" button and "1" button in PB mode. This will adjust the tracking center automatically.
- 2) Set the tracking preset using the "FINE (ADJUST)" button of remote control.
- 3) After adjustment is completed, press the "POWER" button to release.

2. When using the "TEST" button of remote control ass'y ;

- 1) Simultaneously press the "TEST" button and "5" button in PB mode. This will adjust the tracking center automatically.
- 2) Set the tracking preset using the "FINE (ADJUST)" button of remote control.
- 3) After adjustment is completed, press the "POWER" button to release.

5-2-2 (b) IF THE NORMAL REMOTE CONTROL ASS'Y OF X-7/X-8(DX7-R/DX7-RC/DX8-R/DX8-RC) CHASSIS IS AVAILABLE

Note 1 : Two kinds of remote control ass'y are used for X-7/X-8(DX7-R/DX7-RC/DX8-R/DX8-RC) chassis.

1. One is a normal remote control ass'y, the other is a multi remote control ass'y
2. All adjustments are adjusted by normal remote control ass'y only.
3. For the identification of normal remote control ass'y and multi remote control ass'y, See page 5-1.

Note 2 : How to use the "TEST" button.

1. Disattach the inlay of remote control ass'y.
(See Fig. 5-1 and Fig. 5-2)
 2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)
-
1. When using the "INPUT" button of remote control ass'y;
 - 1) Simultaneously press the "INPUT" button and "1" button in PB mode.
This will adjust the tracking center automatically.
 - 2) Set the tracking preset using the "FINE (ADJUST)" button of remote control.
 - 3) After adjustment is completed, press the "POWER" button to release.
 2. When using the "TEST" button of remote control ass'y ;
 - 1) Simultaneously press the "TEST" button and "5" button in PB mode.
This will adjust the tracking center automatically.
 - 2) Set the tracking preset using the "FINE (ADJUST)" button of remote control.
 - 3) After adjustment is completed, press the "POWER" button to release.

5-3 Electrical Adjustment

5-3-1 Head S/W Adjustment

Note : Only remote control ass'y can adjust.

5-3-1 (a) IF REMOTE CONTROL ASS'Y
(AC93-10039Y/69099-633-252) IS
AVAILABLE

1. When using the "INPUT" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "INPUT" button and "3" button simultaneously.
- 4) This will adjust the head S/W point adjustment automatically.
- 5) After the adjustment is completed, press "POWER" button to release.

2. When using the "TEST" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "TEST" button and "SP/LP" button simultaneously.
- 4) This will adjust the head S/W point adjustment automatically.
- 5) After adjustment is completed, press the "POWER" button to release.

5-3-1 (b) IF NORMAL REMOTE CONTROL
ASS'Y FOR X-7/X-8(DX7-R/DX7-RC/
DX8-R/DX8-RC) CHASSIS IS
AVAILABLE

1. When using the "INPUT" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "INPUT" button and "3" button simultaneously.
- 4) This will adjust the head S/W point adjustment automatically.
- 5) After the adjustment is completed, press "POWER" button to release.

2. When using the "TEST" button of remote control
ass'y ;

- 1) Insert an SP tape into the housing ass'y.
- 2) Press the "PLAY" button.
- 3) Press the "TEST" button and "SPEED" button simultaneously.
- 4) This will adjust the head S/W point adjustment automatically.
- 5) After adjustment is completed, press the "POWER" button to release.

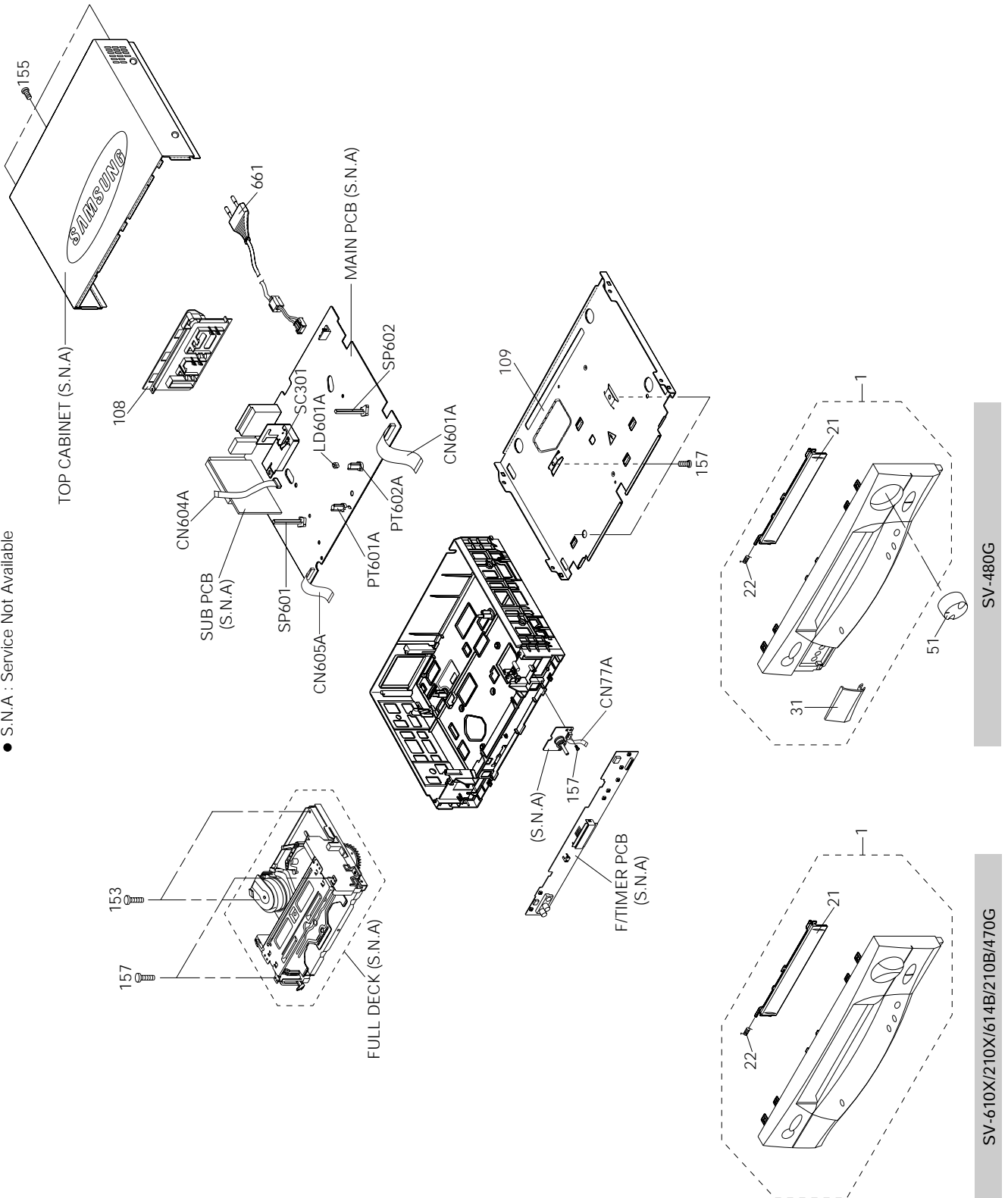
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6. Exploded View and Parts List

| | Page |
|--|------|
| 6-1 Cabinet Assembly | 6-2 |
| 6-2 Mechanical Parts (Top Side) | 6-4 |
| 6-3 Mechanical Parts (Bottom Side) | 6-6 |
| 6-4 Housing Assembly | 6-8 |

6-1 Cabinet Assembly

● S.N.A : Service Not Available



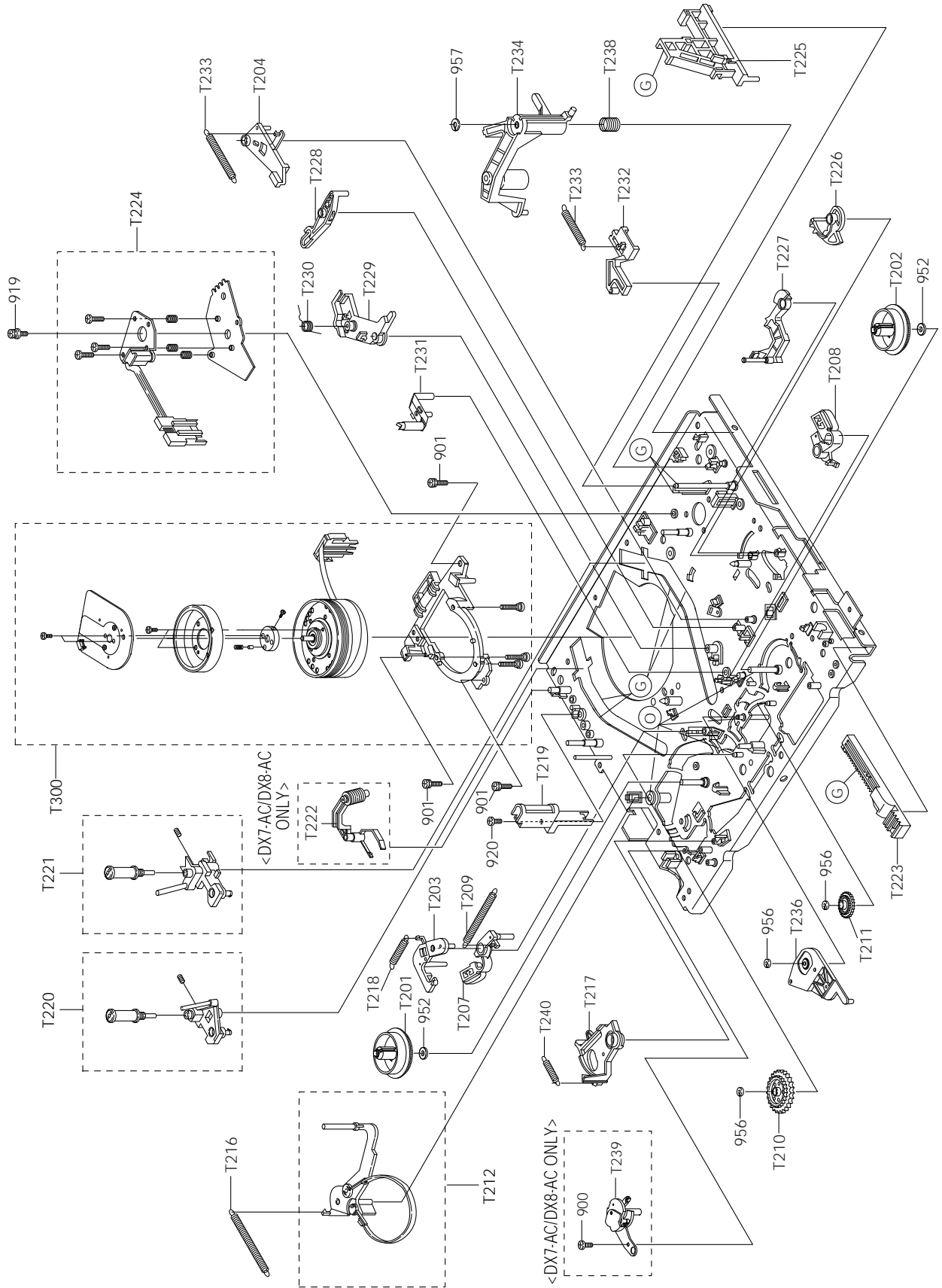
SV-480G

SV-610X/210X/614B/210B/470G

| Loc. No | Part No | Description and Specification | Remark |
|---------|----------------------|--|--------------|
| 1 | Refer to table below | ASSY-PANEL FRONT | |
| 21 | Refer to table below | DOOR-CASSETTE | |
| 22 | AC61-62003A | SPRING;-;SUS304,(GE/RCA),-,-,-,- | |
| 31 | AC64-50959M | DOOR-FRONT | SV-480G ONLY |
| 51 | AC64-10973A | KNOB-SHUTTLE;ABS94,HB,GRY | SV-480G ONLY |
| 108 | Refer to table below | CONNECTOR BOARD-ASSY | |
| 109 | AC63-32127A | COVER-BOTTOM;SV-B80F,SECC,353.2X275,T0.5 | |
| 153 | AC60-12126A | SCREW-BH;-;BH,-,4*12,FE,FZY,-,-,- | |
| 155 | AC60-12134A | SCREW-TAP BH;-;BH,-,2-4X16,-,FE | |
| 157 | AC60-10063A | SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18 | |
| 661 | Refer to table below | POWER-CORD | |
| CN601A | 3809-001090 | CABLE-FLAT;30V,80C,100mm,22P,1.0MM, UL2896 | |
| CN604A | 3809-001048 | CABLE-FLAT;30V,80C,110mm,6P,1.25MM, UL2896 | |
| CN605A | 3809-001049 | CABLE-FLAT;30V,80C,100mm,5P,1.25MM, UL2896 | SV-480G ONLY |
| CN77A | 3809-001094 | CABLE-FLAT;30V,80C,40mm,5P,1.25MM, UL2896 | SV-480G ONLY |
| LD601A | AC61-22345A | HOLDER-LED;POM,-,-,-,-,- | |
| PT601A | AC61-22344A | HOLDER-PHOTO;POM,-,-,-,-,- | |
| PT602A | AC61-22344A | HOLDER-PHOTO;POM,-,-,-,-,- | |
| SP601 | AC61-22321A | HOLDER-TR;POM,-,-,-,-,- | |
| SP602 | AC61-22321A | HOLDER-TR;POM,-,-,-,-,- | |
| SC301 | AC98-12023J | ASSY-SH/CASE TOP;SV-A140F,IS-PAL | |

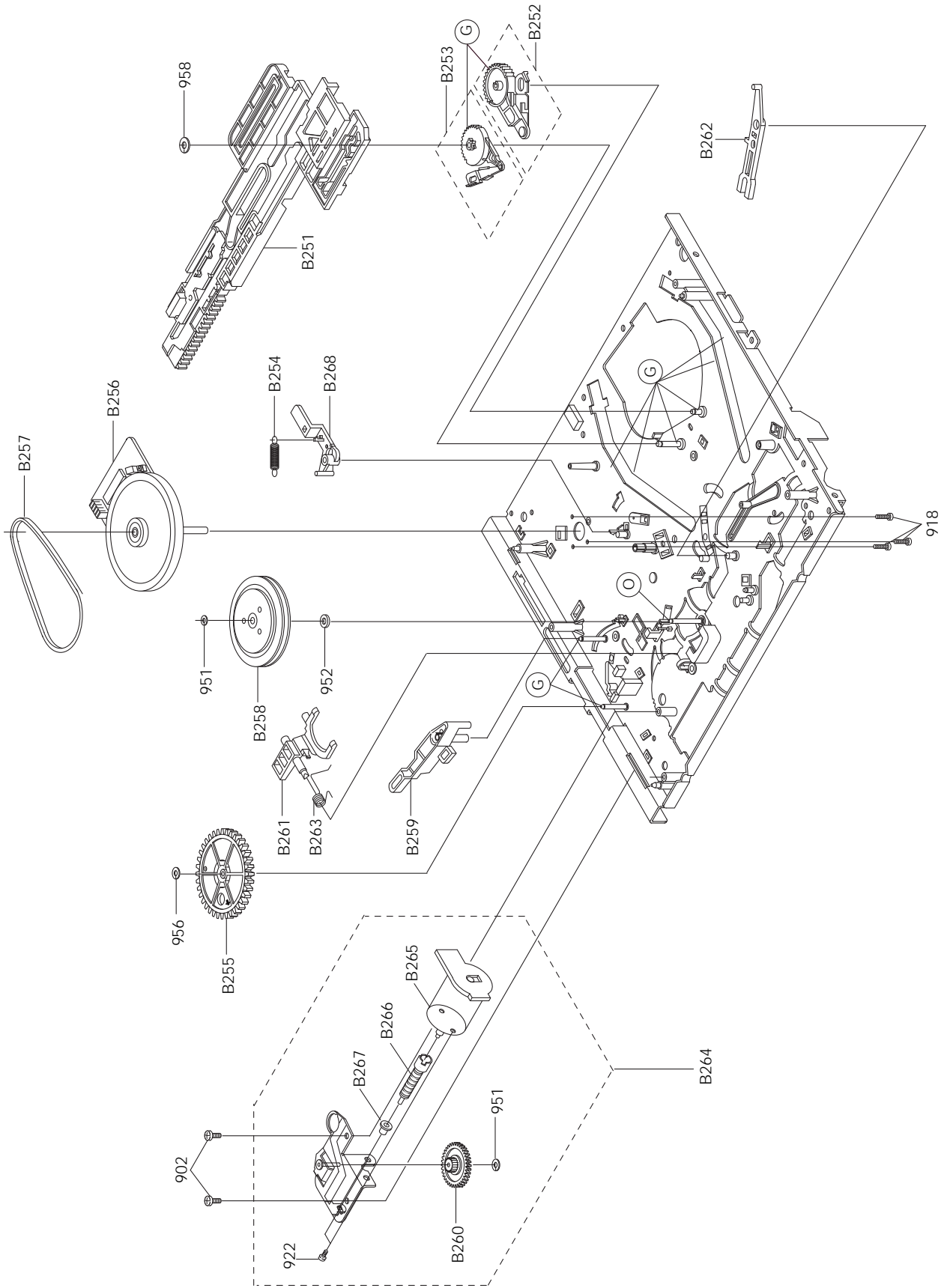
| COUNTRY | MODELS | 1 | 21 | 108 | 661 |
|---------|---------|-------------|-------------|-------------|-------------|
| GERMANY | SV-610X | AC98-11255S | AC64-50958K | AC61-11039J | AC39-10019A |
| | SV-210X | AC98-11255X | AC64-50958J | AC61-11039D | AC39-10019A |
| U.K | SV-614B | AC98-11256A | AC64-50958D | AC61-11039H | AC39-12022K |
| | SV-210B | AC98-11256E | AC64-50958F | AC61-11039D | AC39-12022K |
| POLAND | SV-480G | AC98-11255T | AC64-50958H | AC61-11039D | AC39-10019A |
| | SV-470G | AC98-11255W | AC64-50958H | AC61-11039D | AC39-10019A |

6-2 Mechanical Parts (Top Side)



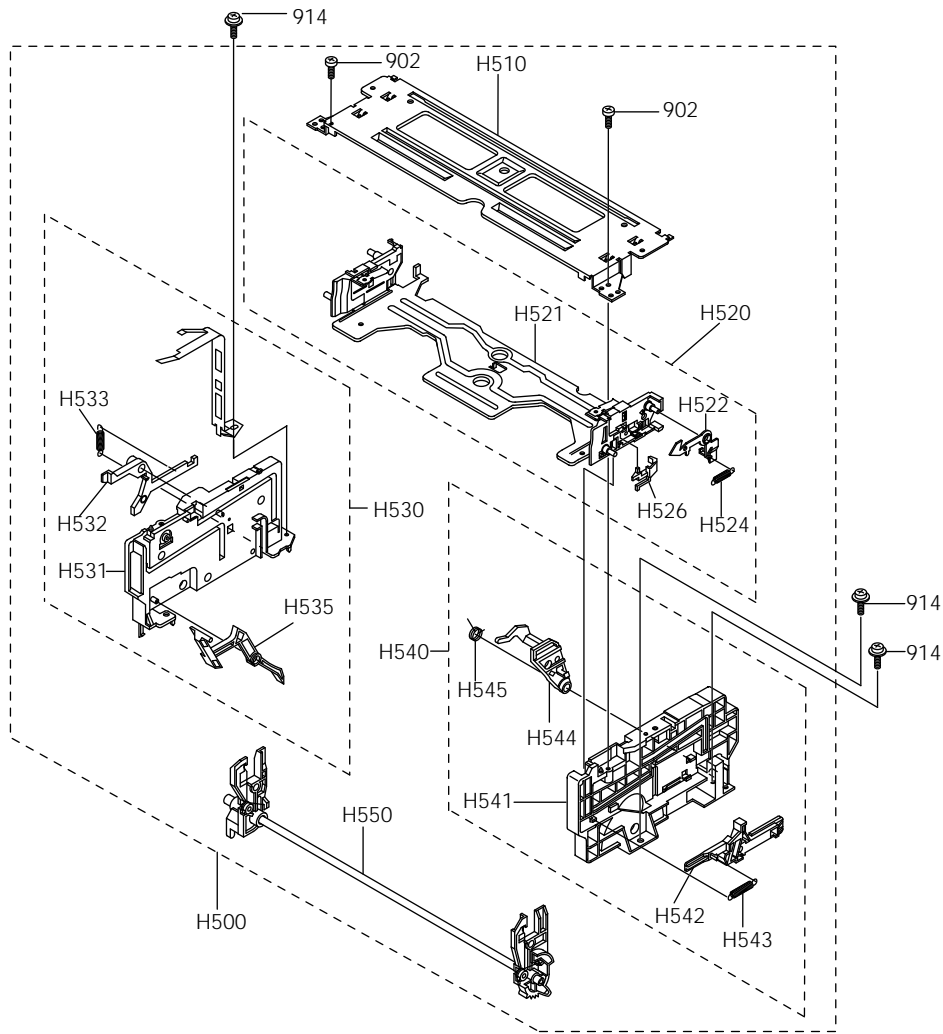
| Loc. No | Part No | Description and Specification | Remark |
|---------|-------------|--|--------------|
| 900 | AC60-12091A | SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB | (OPTIONAL) |
| 901 | AC60-10012A | SCREW-MACHINE;BH,+,M3,L8,-,FE,-,-,- | |
| 919 | AC60-10004A | SCREW-MACHINE;BH,+,M3,L8,ZPC,SWRCH18A,-, | |
| 920 | AC60-10007A | SCREW-TAPPING;BH,+,M2.6,L12,-,SWRCH18A,- | |
| 952 | AC60-30018A | WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLID | |
| 956 | AC60-30007A | WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-, | |
| 957 | AC60-30008A | WASHER-SLIT;-ID3.5,OD9,T0.5,SPC1,-,- | |
| T201 | AC66-10023A | REEL-DISK L ASSY;POM,-,PACKAGE,X-5,- | |
| T202 | AC66-10022A | REEL-DISK R (ASSY);POM,-,PACKAGE,X-5,- | |
| T203 | AC66-30474A | BRAKE-SUB L;-PBT,-,-,-,X-5/IS | |
| T204 | AC66-30148A | BRAKE SUB R;-,-,-,-,X5,- | |
| T207 | AC66-30475A | BRAKE-MAIN L ASSY;-POM+PELT,-,-,-,X-5/ | |
| T208 | AC66-30476A | BRAKE-MAIN R ASSY;-POM+PELT,-,-,-,X-5/ | |
| T209 | AC61-60112A | SPRING- BRAKE MAIN;ES,SUS304WPB,PI0.35,I | |
| T210 | AC66-20073A | GEAR RELAY S-ASSY;-,-,-,-,-,X5,- | |
| T211 | AC66-20037A | GEAR- RELAY T;PEBAX7033,X-5,Z39,GEAR-SPU | |
| T212 | AC66-30073A | ARM-TENSION ASSY;-DX5-R,-,-,-,- | |
| T216 | AC61-60119A | SPRING TENSION;ES,SWPB,PI0.4,D3,L33(OD3. | |
| T217 | AC66-30470A | LEVER-REC S/W;-PBT #3300,T4.0,L32,-,(X- | |
| T218 | AC61-62017A | SPRING-SUB BRAKE L;ES,SUS304,PI0.23,D3.5 | |
| T219 | AC33-10003P | HEAD- MAGNET F/E;MH131S,-,-,-,-,L51.05XW7. | |
| T220 | AC66-82050A | SLIDER-G/R ASSY(S);-,-,-,-,-,X-5 | |
| T221 | AC66-82054A | SLIDER-G/R ASSY(T);-,-,-,-,-,X-5 | |
| T222 | AC33-10002E | HEAD-CLEANER;-,-,-,-,-,X-5 | (OPTIONAL) |
| T223 | AC66-20065A | RACK-HOUSING;L74.29,POM M90-44,BLK,M1,3. | |
| T224 | AC33-10216K | HEAD-ACE ALL ASSY;-,-,-,-,-,X-7A | |
| T225 | AC66-80005A | SLIDER-PINCH;POM(M90-44),T10.5,L54.35,NA | |
| T226 | AC66-30014A | LEVER-REVIEW;ZYTEL(70G-43L),T5,-,PCD25.6 | |
| T227 | AC66-30099A | ARM-REVIEW ASSY;-,-,-,-,-,DX5-R,- | |
| T228 | AC66-30013A | LEVER- CAM;PBT 6300T,-,L45,W9,X-5,- | |
| T229 | AC66-30003A | LEVER-PINCH COMP;PBT 3300,T7.5,L45.25,-, | |
| T230 | AC61-60116A | SPRING- PINCH COMP;TS,SWPB,PI1.0,D6,L38(| |
| T231 | AC67-32001A | PRISM-LED;PMMA,D5,IF-850,-,-,-,- | |
| T232 | AC66-82049A | SLIDER-PUSH;LUPOX 2150,T2,-,NTR,- | |
| T233 | AC61-62016A | SPRING-SLIDE PUSH;ES,SUS304WPB,PI0.55,D3 | |
| T234 | AC59-90402A | UNIT-PINCH ROLLER;X-7A,RESIN BEARING | |
| T236 | AC66-10010A | IDLER-ASSY;PACKAGE,-,X-5,- | |
| T238 | AC61-60132A | SPRING ARM PINCH;CS,SUS304WPB,PI0.4,D7.1 | |
| T239 | AC66-30132A | LEVER JOG-ASSY;-,-,-,-,-,X-5 | (OPTIONAL) |
| T240 | AC61-60505A | SPRING-REC S/W;-ES,SUS304 WPB,PI0.29,PI | |
| T300 | AC96-10475L | ASSY-CYLINDER;CX8A-H6P | SV-610X/614B |
| | AC96-10475G | ASSY-CYLINDER;CX8A-D4P/DLC | SV-480G/470G |
| | AC96-10475D | ASSY-CYLINDER;CX8A-S2P | SV-210X |
| | AC96-10480F | ASSY-CYLINDER;CX8A-S2P(LP) | SV-210B |

6-3 Mechanical Parts (Bottom Side)



| Loc. No | Part No | Description and Specification | Remark |
|---------|-------------|--|--------|
| 902 | AC60-10051A | SCREW-TAPPING;BH,-,-,M3,L8,FZY | |
| 918 | AC60-10041A | SCREW-TAPPING;BH,+,-,M2.6XL7.5,ZPC3 | |
| 922 | AC60-10504A | SCREW-MACHINE;-;PH,+,-,M3,L3,FE,FZY,YEL | |
| 951 | AC60-30025A | WASHER-SLIT;-;ID2.5,OD5.0,T0.5,POLY SLID | |
| 952 | AC60-30018A | WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLID | |
| 956 | AC60-30007A | WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-, | |
| 958 | AC60-30028A | WASHER-SLIT;-;D2.5,D9.0,T0.5,NUMIRROR,-, | |
| B251 | AC66-82043A | SLIDER-MAIN;TOPEX 4010S,-,-,-,- | |
| B252 | AC66-20019A | GEAR-LOADING L ASSY;-,-,-,-,PACKAGE,-,X-5, | |
| B253 | AC66-20069A | GEAR-LOADING R ASSY;-,-,-,-,-,X5,- | |
| B254 | AC61-60115A | SPRING-BRAKE CAPSTAN;ES,SUS304WPB,PI0.4, | |
| B255 | AC66-20004A | GEAR-MASTER;POM (M90-44),M 1,Z 60,SP,-,X | |
| B256 | AC31-12006A | MOTOR-D/D CAPSTAN;DMVCMC07A,-,- | |
| B257 | AC66-62008A | BELT-CAPSTAN;-;DLB-601,T2,8,L134.9,BLK,X | |
| B258 | AC66-20066A | GEAR-CLUTCH ASSY;X-5,-,-,-,-,- | |
| B259 | AC66-32185A | LEVER-SLIDER PINCH;PBT,T4,NAT,-,-,- | |
| B260 | AC66-20016A | GEAR- WORM WHEEL;POM SW-01,M0.55/M1,Z57/ | |
| B261 | AC66-30011A | LEVER- SHIFT;PBT2002K,T10.9,L35,-,-,- | |
| B262 | AC66-30012A | LEVER- IDELR CHANGE;PBT330,T33,L50,-,W6. | |
| B263 | AC61-60111A | SPRING-LEVER SHIFT;TS,SWPB,PI0.7,D5.5,L1 | |
| B264 | AC59-90001A | UNIT-LOADING ASSY;X-5,-,- | |
| B265 | AC31-12015A | MOTOR-LOADING ASSY;POM+RF370C X-5 | |
| B266 | AC66-20039A | GEAR- WORM LO;PBT 2002K,-,-,-,D4.5,3,- | |
| B267 | AC61-20224A | HOLDER SHAFT;POM M90-44,T1.25,NTR,PI5XH5 | |
| B268 | AC66-30149A | BRAKE CAPSTAN;-,-,-,-,X5,- | |

6-4 Housing Assembly



| Loc. No | Part No | Description and Specification | Remark |
|---------|-------------|---|--------|
| 902 | AC60-10051A | SCREW-TAPPING;BH,-,-,M3,L8,FZY | |
| 914 | AC60-10067A | SCREW-TAPTITE;PWH,+,-,M3,L8,MFZN2-C,SWCH | |
| H500 | AC61-82014D | HOUSING-ASSY;-X7FL26280B,230X130X60,-,X | |
| H510 | AC61-10006A | CHASSIS- UPPER;SECC 20/20,-,T1.0,BLK,-,X | |
| H520 | AC61-20932B | HOLDER-CASSETTE ASSY;-X5FL06080A,-,-,-, | |
| H521 | AC61-20922B | HOLDER-CASSETTE;-SECC T1.2,-,NAT,-,X-7(| |
| H522 | AC66-30018A | LEVER-LOCK R;SECC 20/20,T1.2,L44,W32,-,- | |
| H524 | AC61-60121A | SPRING-LEVER LOCK;ES,SUS304 WPB,PI0.2,D2 | |
| H526 | AC66-30019A | LEVER-KEY CASSETTE;LUCEL N109-LD,T2.5,L2 | |
| H530 | AC61-11033A | CHASSIS-SIDE L ASSY;-,-,-,-,-,X5FL0505A, | |
| H531 | AC61-10004A | CHASSIS- SIDE L;ABS HF-380,-,T10,BLK,-,X | |
| H532 | AC66-30004A | LEVER- LIGHT SHUTTER;LUCEL N109-LD,T2.5, | |
| H533 | AC61-60142A | SPRING- LIGHT;ES,SUS304WPB,PI0.2,L11.4(O | |
| H535 | AC66-30017A | LEVER- DOOR;LUCELN109-LD,T3.5,L74.3,W21. | |
| H540 | AC61-11032A | CHASSIS-SIDE R ASSY;-,-,-,-,-,X5FL0505A, | |
| H541 | AC61-10003A | CHASSIS- SIDE R;ABS HF-380,-,T10,BLK,-,X | |
| H542 | AC66-80008A | SLIDER DAMPER;LUCEL N109-LD,T4,L87,-,-,-, | |
| H543 | AC61-60120A | SPRING-SLIDER;ES,SUS 304WPB,PI0.4,D3.8,L | |
| H544 | AC66-30016A | LEVER- LID OPENER;LUCEL N109-LD,T4.0,L34 | |
| H545 | AC61-60123A | SPRING-LID OPENER;TS,SWPB,PI0.55,D8.9,L1 | |
| H550 | AC61-50654A | SHAFT-ARM ASSY;-SUM24L,-,-,-,-,X-5 | |

7. Electrical Parts List

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|--|-------------|--|--------|---|-------------|--|--------|
| - | - | ASSY-MAIN | S.N.A | L1S30 | AC27-12001N | COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,- | |
| | | | | L1S31 | AC27-12001N | COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,- | |
| | | | | L1S32 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | |
| | | | | L1S33 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | |
| | | | | PT1S01 | AC26-20120E | TRANS-SWITCHING;DP,120V,UL/CSA,EE2821,1. | △ |
| SMPS/POWER PARTS (Only for Mono Models) | | | | | | | |
| C1P01 | 2401-001952 | C-AL;4.7UF,20%,50V,-,TP,6.3X7.5 | | Q1P01 | 0501-000610 | TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L, | |
| C1P02 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,6x7x3.2mm,5mm,TP | | Q1P02 | 0504-000116 | TR-DIGITAL;KSR1001,NPN,300mW,4.7K-4.7K,T | |
| C1P03 | 2203-001724 | C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,321 | | Q1P03 | 0501-000610 | TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L, | |
| C1P04 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | Q1P04 | 0504-000118 | TR-DIGITAL;KSR1003,NPN,300mW,22K-22K,TO- | |
| C1P05 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | | Q1P05 | 0501-000616 | TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L | |
| C1P06 | 2401-001915 | C-AL;1uF,20%,50V,GP,TP,3x5,1mm | | Q1P06 | 0501-000616 | TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L | |
| C1P09 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | Q1P07 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C1P10 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | Q1S01 | 0502-001050 | TR-POWER;2SC4517A,NPN,30W,TO-220,ST,10-T | |
| C1S03 | 2305-001021 | C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13. | △ | Q1S02 | 0501-000442 | TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,TO-9 | |
| C1S04 | 2305-001021 | C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13. | △ | R1P01 | 2004-001096 | R-METAL;560ohm,5%,1/4W,AA,TP,2.4X6.4mm | |
| C1S05 | 2201-000808 | C-CERAMIC,DISC;2.2nF,10%,400V,Y5P,12x7.5 | | R1P02 | 2004-001096 | R-METAL;560ohm,5%,1/4W,AA,TP,2.4X6.4mm | |
| C1S06 | 2201-000934 | C-CERAMIC,DISC;3.3nF,20%,400V,Y5P,18x8,1 | | R1P03 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S08 | 2401-003302 | C-AL;47uF,20%,400V,GP,TP,18X31.5,7. | △ | R1P04 | 2001-000611 | R-CARBON;3.9Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S09 | 2201-000934 | C-CERAMIC,DISC;3.3nF,20%,400V,Y5P,18x8,1 | | R1P05 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S10 | 2201-000915 | C-CERAMIC,DISC;100pF,10%,1KV,Y5P,TP,6x5, | | R1P06 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S16 | 2201-000795 | C-CERAMIC,DISC;10nF,10%,400V,Y5P,15x10.5 | | R1P07 | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | |
| C1S21 | 2401-000905 | C-AL;22UF,20%,16V,BP,-,6X11,2.5MM | | R1P09 | 2004-000571 | R-METAL;220ohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S22 | 2301-000361 | C-FILM,PEF;1.2NF,10%,50V,TP,-,5MM | | R1P10 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S23 | 2301-000442 | C-FILM,PEF;4.7nF,10%,50V,TP,5.5x7x3mm,5m | | R1S03 | 2001-000305 | R-CARBON;110Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S30 | 2401-000385 | C-AL;10UF,20%,100V,GP,-,6.3X11,2.5M | | R1S06 | 2006-000273 | R-CEMENT;27Kohm,5%,2W,CA,BK,6.4x27x6.4mm | |
| C1S31 | 2401-001134 | C-AL;330UF,20%,35V,WT,TP,10X16,5MM | | R1S07 | 2001-000003 | R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S32 | 2401-001998 | C-AL;1000uF,20%,25V,GP,TP,10x20,5mm | | R1S11 | 2006-000262 | R-CEMENT;2.7ohm,10%,2W,CB,ST,7.5x11x20. | |
| C1S33 | 2401-001125 | C-AL;330UF,20%,25V,WT,TP,10X12.5,5M | | R1S12 | 2001-000305 | R-CARBON;110Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S34 | 2401-002162 | C-AL;1000uF,20%,25V,WT,TP,10x20,5mm | | R1S13 | 2001-000305 | R-CARBON;110Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S35 | 2401-001355 | C-AL;470UF,20%,10V,GP,-,8X11.5,5MM | | R1S14 | 2001-000305 | R-CARBON;110Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| C1S38 | 2301-000129 | C-FILM,PEF;100nF,5%,50V,10X9X4.3X5,5mm,T | | R1S16 | 2003-000264 | R-METAL OXIDE;300ohm,5%,1W,AD,TP,4.3x12m | |
| CNI51 | 3711-000178 | CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA | | R1S19 | 2001-000003 | R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D1P01 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41 | | R1S21 | 2003-000119 | R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,6x16mm | |
| D1P02 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41 | | R1S30 | 2001-000515 | R-CARBON ;220OHM,5%,1/8W,AA,TP | |
| D1P03 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41 | | R1S31 | 2001-000221 | R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| D1P04 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41 | | R1S32 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D1P06 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R1S33 | 2004-000869 | R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm | |
| D1P20 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41 | | R1S34 | 2004-000459 | R-METAL;2.2Kohm,1%,1/8W,AA,TP,1. | |
| D1S01 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | VA1S01 | 1405-000186 | VARIATOR;470V,4500A,17x12mm,TP | △ |
| D1S02 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | VA1S02 | 1405-000186 | VARIATOR;470V,4500A,17x12mm,TP | △ |
| D1S03 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | ZD1P01 | 0403-000390 | DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO- | |
| D1S04 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | ZD1P02 | 0403-000717 | DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m | |
| D1S05 | 0402-000378 | DIODE-RECTIFIER;EG01C,1000V,500mA,DO-41 | | ZD1S30 | 0403-000571 | DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,T | |
| D1S07 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | | | | |
| D1S08 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | | | |
| D1S30 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | | | | |
| D1S31 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | | | | |
| D1S33 | 0402-000431 | DIODE-RECTIFIER;FML-M02S,200V,2.5A,TO-22 | | SMPS/POWER PARTS (Only for Hi-Fi Models) | | | |
| D1S43 | 0402-001069 | DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP | | C1P01 | 2401-001952 | C-AL;4.7UF,20%,50V,-,TP,6.3X7.5 | |
| F1S01 | A3065-0157 | FUSE;FST 250V 1.6A 20MM SEMKO S505 C | | C1P02 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| IC1P01 | AC14-12001E | IC;KA7809,-,- | | C1P03 | 2203-001724 | C-CERAMIC,CHIP;4.7UF,79.8,16V,Y5V,TP,321 | |
| IC1S2 | 0604-011028 | PHOTO-COUPLER;PS2561-1 ST DIP | △ | C1P04 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | |
| IC1S3 | AC14-12006D | IC;KA431Z,TO-92,TAPING | △ | C1P05 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | |
| L1S01 | AC29-30050A | FILTER-LINE NOISE,-,400UH,-,250V,- | △ | C1P06 | 2401-001915 | C-AL;1uF,20%,50V,GP,TP,3x5,1mm | |
| L1S02 | A1151-0042 | COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHHM | △ | C1P09 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | |
| L1S03 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | | C1P10 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| L1S05 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | | C1S03 | 2305-001021 | C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13. | △ |

Electrical Parts List

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|--------|-------------|---|--------|-----------------------------------|-------------|---|-------------|
| C1S04 | 2305-001021 | C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13. | △ | R1P04 | 2001-000611 | R-CARBON;3.9Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S05 | 2201-000808 | C-CERAMIC,DISC;2.2nF,10%,400V,Y5P,12x7.5 | | R1P05 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S06 | 2201-000934 | C-CERAMIC,DISC;3.3nF,20%,400V,Y5P,18x8,1 | | R1P06 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S08 | 2401-003302 | C-AL;47uF,20%,400V,GP,TP,18X31.5,7. | | R1P07 | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | |
| C1S09 | 2301-000140 | C-FILM,PEF;10nF,10%,630V,16.5X9.5X5.7X,1 | | R1P09 | 2004-000571 | R-METAL;220ohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S10 | 2201-000915 | C-CERAMIC,DISC;100pF,10%,1KV,Y5P,TP,6x5, | | R1P10 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S15 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm | | R1S02 | 2003-000273 | R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm | |
| C1S16 | 2201-000795 | C-CERAMIC,DISC;10nF,10%,400V,Y5P,15x10,5 | | R1S03 | 2001-000076 | R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S17 | 2401-000970 | C-AL;22uF,20%,50V,WT,TP,5x11,2mm | | R1S06 | 2003-000273 | R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm | |
| C1S18 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm | | R1S07 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S19 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | R1S11 | 2006-000262 | R-CEMENT;2.7ohm,10%,2W,CB,ST,7.5x11x20. | |
| C1S30 | 2401-000385 | C-AL;10UF,20%,100V,GP,-,6.3X11,2.5M | | R1S12 | 2001-000076 | R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S31 | 2401-001134 | C-AL;330UF,20%,35V,WT,TP,10X16,5MM | | R1S13 | 2001-000076 | R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S32 | 2401-001998 | C-AL;1000uF,20%,25V,GP,TP,10x20,5mm | | R1S14 | 2001-000076 | R-CARBON;47Kohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| C1S33 | 2401-001125 | C-AL;330UF,20%,25V,WT,TP,10X12.5,5M | | R1S15 | 2003-000148 | R-METAL OXIDE;100OHM,5%,2W,AE,TP,6X16MM | |
| C1S34 | 2401-001992 | C-AL;2200uF,20%,10V,GP,10x20mm,5mm, | | R1S30 | 2001-000515 | R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S35 | 2401-001355 | C-AL;470UF,20%,10V,GP,-,8X11.5,5MM | | R1S31 | 2001-000221 | R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S38 | 2301-000129 | C-FILM,PEF;100nF,5%,50V,10X9X4.3X5,5mm,T | | R1S32 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C1S99 | 2301-000423 | C-FILM,PEF;3.3NF,5%,100V,TP,7X10X4.5MM,5 | | R1S33 | 2004-000869 | R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm | |
| CN1S1 | 3711-000178 | CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA | | R1S34 | 2004-000459 | R-METAL;2.2Kohm,1%,1/8W,AA,TP,1. | |
| D1P01 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | VA1S01 | 1405-000186 | VARISTOR;470V,4500A,17x12mm,TP | △ |
| D1P02 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | VA1S02 | 1405-000186 | VARISTOR;470V,4500A,17x12mm,TP | △ |
| D1P03 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | ZD1P01 | 0403-000390 | DIODE-ZENER;UZP33B,33V,31.4-34.6,1W,DO- | |
| D1P04 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | ZD1P02 | 0403-000717 | DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m | |
| D1P06 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | ZD1S01 | 0403-000539 | DIODE-ZENER;MTZ18C,18V,17.42-18.33V,500m | |
| D1P20 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | ZD1S2 | 0403-000294 | DIODE-ZENER;MTZ4.7B,4.55-4.80V,500mW,DO- | |
| D1S01 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | SYSTEM CONTROL/SERVO PARTS | | | |
| D1S02 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | C601 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| D1S03 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | C602 | 2202-000807 | C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V | |
| D1S04 | 0402-001009 | DIODE-RECTIFIER;1SR139,600V,1A,MSR | △ | C603 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| D1S05 | 0402-000378 | DIODE-RECTIFIER;EG01C,1000V,500mA,DO-41 | | C604 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| D1S07 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | C605 | 2202-000791 | C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP | |
| D1S30 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | C606 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP | |
| D1S31 | 0402-001013 | DIODE-RECTIFIER;1SR153-400,400V,800mA,DO | | C607 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| D1S33 | 0402-000431 | DIODE-RECTIFIER;FML-M02S,200V,2.5A,TO-22 | | C608 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| D1S43 | 0402-001069 | DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP | | C609 | 2203-001679 | C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2 | 4HEAD |
| F1S01 | A3065-0157 | FUSE;FST 250V 1.6A 20MM SEMKO S505 C | △ | C610 | 2203-001679 | C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2 | 4HEAD |
| IC1P01 | AC14-12001E | IC;KA7809,-,- | | C610 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | 2HEAD |
| IC1S1 | 1203-001049 | IC-PWM CONTROLLER;1L0380,TO-220F,4P,10MI | △ | C6101 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5 | |
| IC1S2 | 0604-011028 | PHOTO-COUPLER;PS2561-1 ST DIP | △ | C6102 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| IC1S3 | AC14-12006D | IC;KA431Z,TO-92,TAPING | △ | C6103 | 2202-000216 | C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3. | |
| L1S01 | AC29-30050A | FILTER-LINE NOISE;- ,400UH,-,250V,- | △ | C6104 | 2202-000216 | C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3. | |
| L1S02 | AC27-92001Q | COIL-LINE FILTER;BSF-2120Z,25MH,-,-,- | △ | C6105 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| L1S04 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | | C6106 | 2301-000392 | C-FILM,PEF;15nF,5%,50V,6.5x8.5x3.2mm,5mm | |
| L1S05 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | | C6107 | 2203-000818 | C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,- | |
| L1S30 | AC27-12001N | COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,- | | C611 | 2201-000928 | C-CERAMIC,DISC;2.7NF,20%,16V,Y5R,TP,3.5X | |
| L1S31 | AC27-12001N | COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,- | | C6114 | 2201-000800 | C-CERAMIC,DISC;120PF,5%,50V,SL,TP,5X3,5 | SV610X/470G |
| L1S32 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | | C6116 | 2203-001612 | C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20 | |
| L1S33 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,- | | C6117 | 2203-001612 | C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,20 | |
| PT1S01 | AC26-20120A | TRANS-SWITCHING;- ,220V,UL/CSA,-,1000UH,- | △ | C6119 | 2401-001975 | C-AL;47UF,20%,50V,GP,TP,5X11MM,5 | |
| Q1P01 | 0501-000610 | TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L, | | C612 | 2202-000791 | C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP | |
| Q1P02 | 0504-000116 | TR-DIGITAL;KSR1001,NPN,300mW,4.7K-4.7K,T | | C6120 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5 | |
| Q1P03 | 0501-000610 | TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L, | | C6122 | 2401-001952 | C-AL;4.7UF,20%,50V,-,TP,6.3X7,5 | |
| Q1P04 | 0504-000118 | TR-DIGITAL;KSR1003,NPN,300mW,22K-22K,TO- | | C6123 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | |
| Q1P05 | 0501-000616 | TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L | | C6124 | 2401-001325 | C-AL;470nF,20%,50V,GP,TP,3x5,5 | |
| Q1P06 | 0501-000616 | TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L | | C6125 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| Q1P07 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | C6126 | 2401-000419 | C-AL;10UF,20%,16V,GP,-,4X7,5 | |
| R1P01 | 2004-001096 | R-METAL;560ohm,5%,1/4W,AA,TP,2.4x6.4mm | | C6127 | 2203-001659 | C-CERAMIC,CHIP MELF;47PF,5%,50V,SL,TP,20 | |
| R1P02 | 2004-001096 | R-METAL;560ohm,5%,1/4W,AA,TP,2.4x6.4mm | | | | | |
| R1P03 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|--------|-------------|--|--------------|--------|-------------|--|--------------|
| C613 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | IC602 | 1003-001090 | IC-MOTOR DRIVER;LB1643,SIP,10P,-,SINGLE, | |
| C614 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | IC603 | AC14-12001K | IC;KA324,-,- | |
| C615 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | IC604 | AC14-12006C | IC;KA7533,DIP,- | |
| C616 | 2203-001696 | C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP, | | IC605 | 1103-001020 | IC-EEPROM;24LC04,4Kx8BIT,DIP,8P,300ML,- | |
| C617 | 2202-000796 | C-CERAMIC,MLC-AXIAL;UP050 B102KB INF,10% | | J602 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | |
| C618 | 2203-001702 | C-CERAMIC,CHIP;2.2nF,5%,50V,X7R,TP,2012, | | L601 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C619 | 2203-001696 | C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP, | | L602 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C620 | 2203-001696 | C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP, | | L603 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C623 | 2203-001580 | C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20 | | L604 | 2701-000131 | INDUCTOR-AXIAL;15UH,5%,2.4X3.4MM | |
| C624 | 2203-001580 | C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20 | | L605 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C625 | 2203-001580 | C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20 | | L606 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | |
| C626 | 2203-001580 | C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20 | | L6101 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C627 | 2202-000807 | C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V | | L6103 | 2701-000117 | INDUCTOR-AXIAL;10uH,5%,2.4x3.4mm | SV-610X/470G |
| C628 | 2202-000807 | C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V | | L6P02 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | |
| C630 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | LD601 | 0601-000495 | LED-IR;ROUND,3mm,150mW,6V,950nm,BK | |
| C632 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | | PT601 | 0604-000188 | PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR | |
| C633 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | | PT602 | 0604-000188 | PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR | |
| C634 | 2401-000208 | C-AL;100nF,+80-20%,5.5V,GP,TP,12.3m | | Q601 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C635 | 2401-000199 | C-AL;1000UF,20%,6.3V,GP,TP,10X12.5, | | Q602 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C636 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | | Q604 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C637 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | | Q607 | 0504-000142 | TR-DIGITAL;KSR2001,PNP,300mW,4.7K-4.7K,T | |
| C638 | 2401-001915 | C-AL;1uF,20%,50V,GP,TP,3x5,1mm | | Q608 | 0504-000203 | TR-DIGITAL;KSR1004,NPN,300mW,47K-47K,TO- | |
| C639 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | | Q609 | AC14-12001G | IC;KA78L05,T,- | |
| C640 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | | Q6101 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C642 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | | Q6102 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92, | SV-610X/470G |
| C643 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | | Q6106 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | SV-610X/470G |
| C645 | 2203-000477 | C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,TP,20 | | Q6108 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C650 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | R601 | 2001-000832 | R-CARBON;510ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C651 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | | R602 | 2001-000679 | R-CARBON;36KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| C652 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | R604 | 2007-001472 | R-CHIP,MELF;68KOHM,5%,1/8W,DB,BK,2012 | |
| C660 | 2203-001702 | C-CERAMIC,CHIP;2.2nF,5%,50V,X7R,TP,2012, | | R605 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | |
| C661 | 2203-001702 | C-CERAMIC,CHIP;2.2nF,5%,50V,X7R,TP,2012, | | R606 | 2007-000658 | R-CHIP;27ohm,5%,1/10W,DA,TP,2012 | |
| C663 | 2203-000374 | C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,2012, | | R607 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | |
| C671 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | R608 | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | |
| C675 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | R610 | 2001-000947 | R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| C676 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | R6100 | 2001-000613 | R-CARBON ;3.9K OHM,5%,1/8,AA,T | |
| C677 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | R6101 | 2007-001629 | R-CHIP,MELF;1.8Kohm,5%,1/8W,DB,BK,2012 | |
| C678 | 2401-001915 | C-AL;1uF,20%,50V,GP,TP,3x5,1mm | | R6102 | 2007-001497 | R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012 | |
| C679 | 2202-000807 | C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V | | R6103 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C681 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | R6104 | 2007-001507 | R-CHIP,MELF;470KOHM,5%,1/8W,DB,BK,2012 | |
| C682 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | R6105 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C698 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | R6106 | 2007-001586 | R-CHIP,MELF;1Mohm,5%,1/8W,DB,BK,2012 | |
| CN601 | 3708-001251 | CONNECTOR-FPC/FC/PIC;22P,1mm,STRAIGHT-F, | | R6107 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| CN602 | 3711-002445 | CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGH | | R6109 | 2001-000241 | R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| CN603 | 3711-003749 | CONNECTOR-HEADER;BOX,8P,2R,2mm,STRAIGHT, | | R6110 | 2007-001503 | R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012 | |
| CN604 | 3708-001165 | CONNECTOR-FPC/FC/PIC;6P,1.25mm,STRAIGHT, | | R6111 | 2007-001497 | R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012 | |
| D605 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | R6112 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D608 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R6113 | 2001-000660 | R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D609 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R6115 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | SV-610X/470G |
| D6102 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | SV-610X/470G | R6116 | 2001-001031 | R-CARBON;91KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| D6104 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R6117 | 2001-000850 | R-CARBON;560Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| D6105 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | SV-610X/470G | R6119 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D6106 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R612 | 2001-000539 | R-CARBON;24Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D611 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | R6120 | 2007-001586 | R-CHIP,MELF;1Mohm,5%,1/8W,DB,BK,2012 | SV-610X/470G |
| D612 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | R6121 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | SV-610X/470G |
| D613 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | R6122 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | SV-610X/470G |
| D614 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R6123 | 2007-001503 | R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012 | SV-610X/470G |
| D615 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | R6124 | 2001-000633 | R-CARBON;30Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| IC601 | AC09-10458K | IC-MCU;HD643397RF,100P,QFP,SV-B120X | SV-610X/210X | R6125 | 2001-000633 | R-CARBON;30Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| IC601 | AC09-10458T | IC-MCU;HD643397RF,100P,QFP,SV-B120I | SV-614B/210B | R6129 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| IC601 | AC09-10456L | IC-MCU;HD643397RF,100P,QFP | SV-480G/470G | | | | |

Electrical Parts List

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|--------|-------------|---|--------|--------------------------|-------------|---|---------|
| R6131 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | R674 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R6132 | 2001-000534 | R-CARBON;240ohm,5%,1/8W,AA,TP,1.8x3.2mm | | R675 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R6133 | 2001-000515 | R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm | | R676 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R6134 | 2007-001486 | R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012 | | R677 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R614 | 2001-000508 | R-CARBON;220Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R679 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | |
| R615 | 2001-000508 | R-CARBON;220Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R681 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R616 | 2001-000832 | R-CARBON;510ohm,5%,1/8W,AA,TP,1.8x3.2mm | | R682 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R617 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | | R683 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R618 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | | R684 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R619 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | | R686 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R620 | 2007-001495 | R-CHIP,MELF;510OHM,5%,1/8W,DB,BK,2012 | | R687 | 2007-001586 | R-CHIP,MELF;1Mohm,5%,1/8W,DB,BK,2012 | |
| R621 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R688 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R624 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R689 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R625 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R690 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R626 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | | R691 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R627 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R692 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R628 | 2001-000508 | R-CARBON;220Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R693 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R629 | 2001-000508 | R-CARBON;220Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R694 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R630 | 2001-000347 | R-CARBON;13Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R695 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R631 | 2007-001591 | R-CHIP,MELF;18Kohm,5%,1/8W,DB,BK,2012 | | R696 | 2001-000539 | R-CARBON;24Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R632 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R697 | 2003-000259 | R-METAL OXIDE;3.9OHM,5%,2W,AE,TP,6X16MM | |
| R633 | 2001-000802 | R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M | | R698 | 2001-000356 | R-CARBON;150Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R634 | 2001-000331 | R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R699 | 2001-000356 | R-CARBON;150Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R635 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | | RS601 | 3409-000176 | SWITCH-DETECTOR;30Vdc,100mA,SPST,-,- | |
| R636 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | S601 | 0603-000112 | PHOTO-TR;NPN,35V,6V,50mA,75mW,- | |
| R637 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | S602 | 0603-000112 | PHOTO-TR;NPN,35V,6V,50mA,75mW,- | |
| R639 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | SW601 | AC34-22001E | SWITCH-PROGRAM;MXS00281MLB0,-,-,-,-,-,-,- | |
| R640 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W132 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R641 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W133 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R642 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W134 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R643 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W135 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R644 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W152 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R645 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | W158 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R646 | 2001-000347 | R-CARBON;13Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | XT601 | 2801-003293 | CRYSTAL-UNIT;10MHZ,20PPM,28-AAA,16PF,500 | |
| R647 | 2001-000347 | R-CARBON;13Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | XT602 | 2801-003318 | CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5 | |
| R648 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | | XT6102 | 2801-003311 | CRYSTAL-UNIT;17.734475MHz,20ppm,28-AAA,1 | |
| R649 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R651 | 2001-000786 | R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | AUDIO/VIDEO PARTS | | | |
| R652 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C305 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R653 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C306 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 4HEAD |
| R654 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C307 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R655 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C308 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 4HEAD |
| R656 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C309 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R657 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C310 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 4HEAD |
| R658 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C311 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R659 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C312 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 4HEAD |
| R660 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C313 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 4HEAD |
| R661 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C314 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | |
| R662 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C315 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| R663 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C316 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R664 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C317 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | |
| R665 | 2001-000362 | R-CARBON;150ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C318 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R666 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C319 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| R667 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C320 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R668 | 2001-000362 | R-CARBON;150ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C321 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R669 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C322 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R670 | 2001-000012 | R-CARBON;680Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C324 | 2301-000283 | C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5.5 | |
| R671 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | 2301-000129 | C-FILM,PEF;100nF,5%,50V,10X9X4.3X5.5mm,T | SV-210B |
| R672 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C325 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R673 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C326 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|--------|-------------|--|--------|--------|-------------|--|---------|
| C327 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | C3A18 | 2202-000855 | C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP | |
| C328 | 2203-001620 | C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,20 | | C3A19 | 2202-000856 | C-CERAMIC,MLC-AXIAL;8.2NF,30%,16V,Y5R,TP | |
| C329 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | C3A21 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7.5 | |
| C330 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | C3A22 | 2301-000217 | C-FILM,PEF;220nF,5%,50V,8.0X9.5X4.5X5,5m | |
| C331 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7.5 | | C3A23 | 2401-001169 | C-AL;33uF,20%,16V,GP,-,6.3X7.2,5MM | |
| C332 | 2203-001659 | C-CERAMIC,CHIP MELF;47PF,5%,50V,SL,TP,20 | | C3A25 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C333 | 2203-000840 | C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012, | | C3A26 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | |
| C335 | 2203-001580 | C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,20 | | C3A27 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| C336 | 2203-001606 | C-CERAMIC,CHIP MELF;220PF,10%,50V,Y5P,TP | | C3A28 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| C337 | 2203-001670 | C-CERAMIC,CHIP MELF;56PF,5%,50V,SL,TP,20 | | C3A29 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C339 | 2203-001558 | C-CERAMIC,CHIP MELF;100PF,10%,50V,Y5E,TP | | CN301 | 3708-000391 | CONNECTOR-FPC/FC/PIC;10P,1.25MM,STRAIGHT | |
| C340 | 2401-001965 | C-AL;470NF,20%,50V,-,BK,4X7MM,1.5MM | | CN3A01 | 3708-001053 | CONNECTOR-FPC/FC/PIC;7P,1.25MM,STRAIGHT, | |
| C341 | 2401-001917 | C-AL;1UF,20%,50V,-,TP,5X7MM,5 | | CN3A02 | 3711-000371 | CONNECTOR-HEADER;-2P,1R,2MM,STRAIGHT,- | |
| C342 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | D301 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| C343 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | FL3A01 | AC27-80100A | COIL-OSC;126QN-K527YHC-K,-,AM | |
| C344 | 2401-000419 | C-AL;10UF,20%,16V,GP,-,4X7,5 | | IC301 | 1204-001057 | IC-SIGNAL PROCESSOR;SS11511M,QFP,80P,-,P | |
| C345 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | IC302 | AC14-12013F | IC-LINEAR;LA7416,DIP,BULK | 4HEAD |
| C346 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | | AC14-12014L | IC-LINEAR;LA7411,DIP,PRE-AMP | 2HEAD |
| C347 | 2401-000419 | C-AL;10UF,20%,16V,GP,-,4X7,5 | | IC303 | 1209-001023 | IC-DELAY LINE;SS23377M,SOP;14P,225ML,PL | |
| C348 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | L301 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C349 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | L303 | 2701-000206 | INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM | |
| C350 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | L304 | 2701-000206 | INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM | |
| C351 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | L306 | 2702-000176 | INDUCTOR-RADIAL;56uH,5%,6x6.4mm | |
| C352 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | L308 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C353 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | L3A01 | 2301-000283 | C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5 | |
| C355 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | L3A02 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C356 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | L3A03 | 2702-000120 | INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm | |
| C357 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | L3A04 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| C358 | 2401-001915 | C-AL;1uF,20%,50V,GP,TP,3x5,1mm | | Q302 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C359 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | | Q303 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C360 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | Q304 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C361 | 2401-001975 | C-AL;47UF,20%,16V,GP,TP,5X11MM,5 | | Q305 | 0504-000203 | TR-DIGITAL;KSR1004,NPN,300mW,47K-47K,TO- | SV-210B |
| C362 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | Q308 | 0504-000203 | TR-DIGITAL;KSR1004,NPN,300mW,47K-47K,TO- | |
| C363 | 2203-001608 | C-CERAMIC,CHIP;22nF,+80-20%,50V,Y5V,2012 | | Q309 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C364 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | Q310 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C366 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | Q312 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C367 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | Q3A01 | 0501-000231 | TR-SMALL SIGNAL;2SD1468SQ,NPN,300MW,TO-9 | |
| C368 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012, | | Q3A02 | 0501-000231 | TR-SMALL SIGNAL;2SD1468SQ,NPN,300MW,TO-9 | |
| C369 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | Q3A03 | 0501-000010 | TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92, | |
| C370 | 2301-000283 | C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5 | | Q3A04 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| C371 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | Q3A05 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| C373 | 2301-000439 | C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM | | R301 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C374 | 2202-000781 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | | R302 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C376 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 2HEAD | R303 | 2007-001568 | R-CHIP,MELF;22Kohm,5%,1/8W,DB,BK,2012 | |
| C377 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | 2HEAD | R304 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | 4HEAD |
| C380 | 2401-001905 | C-AL;10UF,20%,16V,BP,BK,6X11MM,2.5M | | R305 | 2007-001578 | R-CHIP,MELF;2.7Kohm,5%,1/8W,DB,BK,2012 | 4HEAD |
| C3A01 | 2401-001893 | C-AL;100uF,20%,16V,GP,TP,6.3x7mm,5 | | | 2007-001633 | R-CHIP,MELF;1.5Kohm,5%,1/8W,DB,BK,2012 | SV-210X |
| C3A03 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | | | 2007-001629 | R-CHIP,MELF;1.8Kohm,5%,1/8W,DB,BK,2012 | SV-210B |
| C3A04 | 2301-000299 | C-FILM,PEF;6.8nF,5%,100V,TP,5.8x12.5mm,5 | | R306 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C3A05 | 2301-000445 | C-FILM,PEF;4.7nF,5%,50V,5.5x7x3mm,5mm,TP | | R307 | 2007-001627 | R-CHIP,MELF;100Kohm,5%,1/8W,DB,BK,2012 | |
| C3A06 | 2301-000408 | C-FILM,PEF;2.7nF,5%,50V,5.5x7x3mm,5mm,TP | | R308 | 2007-001521 | R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012 | 2HEAD |
| C3A07 | 2301-000402 | C-FILM,PEF;1nF,5%,50V,TP,5X7X2.8MM,5MM | | R309 | 2007-001553 | R-CHIP,MELF;2Kohm,5%,1/8W,DB,BK,2012 | |
| C3A08 | 2401-001917 | C-AL;1UF,20%,50V,-,TP,5X7MM,5 | | R310 | 2007-001546 | R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012 | |
| C3A09 | 2401-003122 | C-AL;4.7UF,20%,50V,LL,TP,4X7,1.5 | | R311 | 2007-001454 | R-CHIP,MELF;820OHM,5%,1/8W,DB,BK,2012 | |
| C3A10 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | | | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | SV-210X |
| C3A11 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | | R312 | 2007-001553 | R-CHIP,MELF;2Kohm,5%,1/8W,DB,BK,2012 | |
| C3A12 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | R313 | 2007-001513 | R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012 | |
| C3A15 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | R314 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | |
| C3A16 | 2401-001912 | C-AL;1uF,20%,50V,GP,5x11mm,2mm,BK | | R315 | 2007-001546 | R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012 | |
| C3A17 | 2202-000855 | C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP | | R316 | 2007-001458 | R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012 | |

Electrical Parts List

| Loc.No | Part No | Desc and Spec | Remark | Loc.No | Part No | Desc and Spec | Remark |
|-----------------|-------------|--|---------|--|-------------|--|--------------|
| R317 | 2007-001534 | R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012 | | L401 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| R318 | 2007-001534 | R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012 | | Q401 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| R319 | 2007-001521 | R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012 | | R401 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R320 | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | | R402 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R321 | 2007-001521 | R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012 | | R403 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R322 | 2007-001633 | R-CHIP,MELF;1.5Kohm,5%,1/8W,DB,BK,2012 | | R405 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R323 | 2007-001513 | R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012 | | R406 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R324 | 2007-001633 | R-CHIP,MELF;1.5Kohm,5%,1/8W,DB,BK,2012 | | R407 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R325 | 2007-001536 | R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012 | | R418 | 2001-000786 | R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R328 | 2007-001637 | R-CHIP,MELF;1.2Kohm,5%,1/8W,DB,BK,2012 | | U401 | AC40-30071C | TM-BLOCK;TMLG1-105A,PAL-B/G,126 | SV-610X/210X |
| R329 | 2007-001584 | R-CHIP,MELF;2.2Kohm,5%,1/8W,DB,BK,2012 | | U401 | AC40-30071D | TM-BLOCK;TMLB1-101A,PAL-I,48 | SV-614B/210B |
| R331 | 2007-001584 | R-CHIP,MELF;2.2Kohm,5%,1/8W,DB,BK,2012 | | U401 | AC40-30071K | TM-BLOCK;TMLG1-308A,PAL-D/K,126 | SV-470G |
| R332 | 2007-001589 | R-CHIP,MELF;1Kohm,5%,1/8W,DB,BK,2012 | | HI-FI PARTS (Only for SV-610X/614B) | | | |
| R333 | 2007-001458 | R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012 | | C501 | 2401-000407 | C-AL;10UF,20%,16V,GP,TP,3.5X5,- | |
| R335 | 2007-001616 | R-CHIP,MELF;120Kohm,5%,1/8W,DB,BK,2012 | | C502 | 2203-000477 | C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,TP,20 | |
| R337 | 2007-001578 | R-CHIP,MELF;2.7Kohm,5%,1/8W,DB,BK,2012 | | C503 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | |
| R338 | 2007-001513 | R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012 | | C504 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| R339 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C505 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R340 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C506 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | |
| R341 | 2001-000472 | R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C507 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | |
| R350 | 2007-001629 | R-CHIP,MELF;1.8Kohm,5%,1/8W,DB,BK,2012 | | C508 | 2203-001648 | C-CERAMIC,CHIP;4.7NF,20%,16V,X7S,TP,2012 | |
| R351 | 2007-001616 | R-CHIP,MELF;120Kohm,5%,1/8W,DB,BK,2012 | | C509 | 2203-001623 | C-CERAMIC,CHIP;3.3NF,20%,16V,X7S,TP,2012 | |
| R353 | 2007-001521 | R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012 | 2HEAD | C512 | 2203-001666 | C-CERAMIC,CHIP MELF;560PF,20%,50V,Y5P,TP | |
| R354 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | SV-210B | C513 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| R399 | 2007-001536 | R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012 | | C514 | 2203-000477 | C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,TP,20 | |
| R3A02 | 2001-000405 | R-CARBON ;180 OHM,5%,1/8W,AA,T | | C515 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| R3A03 | 2001-000780 | R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C516 | 2203-001623 | C-CERAMIC,CHIP;3.3NF,20%,16V,X7S,TP,2012 | |
| R3A04 | 2007-001629 | R-CHIP,MELF;1.8Kohm,5%,1/8W,DB,BK,2012 | | C517 | 2203-001648 | C-CERAMIC,CHIP;4.7NF,20%,16V,X7S,TP,2012 | |
| R3A05 | 2007-001584 | R-CHIP,MELF;2.2Kohm,5%,1/8W,DB,BK,2012 | | C518 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | |
| R3A06 | 2007-001584 | R-CHIP,MELF;2.2Kohm,5%,1/8W,DB,BK,2012 | | C519 | 2203-002188 | C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2 | |
| R3A07 | 2001-000458 | R-CARBON;2.2ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C522 | 2203-000477 | C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,TP,20 | |
| R3A08 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C523 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| R3A09 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C524 | 2203-001724 | C-CERAMIC,CHIP;4.7UF,79.8,16V,Y5V,TP,321 | |
| R3A10 | 2007-001633 | R-CHIP,MELF;1.5Kohm,5%,1/8W,DB,BK,2012 | | C525 | 2203-001724 | C-CERAMIC,CHIP;4.7UF,79.8,16V,Y5V,TP,321 | |
| R3A11 | 2007-001534 | R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012 | | C526 | 2401-001893 | C-AL;100uF,20%,16V,GP,TP,6.3x7mm,5 | |
| R3A12 | 2001-000405 | R-CARBON ;180 OHM,5%,1/8W,AA,T | | C527 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| R3A13 | 2001-000645 | R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C528 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| R3A14 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C529 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| R3A15 | 2007-001612 | R-CHIP,MELF;12Kohm,5%,1/8W,DB,BK,2012 | | C530 | 2401-001978 | C-AL;47UF,20%,25V,GP,TP,6.3X5,5 | |
| R3A16 | 2007-001641 | R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012 | | C531 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| R3A17 | 2007-001497 | R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012 | | C550 | 2203-000477 | C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,TP,20 | |
| R3A18 | 2001-000613 | R-CARBON ;3.9K OHM,5%,1/8,AA,T | | C551 | 2401-000918 | C-AL;22uF,20%,16V,GP,-,6.3x7,5 | |
| R3A19 | 2001-000221 | R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C552 | 2401-002197 | C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM | |
| R3A22 | 2007-001503 | R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012 | | IC501 | 1204-001349 | IC-AUDIO PROCESSOR;LA72633M,QFP,64P,400M | |
| R3A24 | 2001-000454 | R-CARBON;2.2Mohm,5%,1/8W,AA,TP,1.8x3.2m | | J501 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | |
| R3A25 | 2007-001573 | R-CHIP,MELF;20Kohm,5%,1/8W,DB,TP,2012 | | L502 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| R3A27 | 2007-001513 | R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012 | | L503 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | |
| R3A28 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | | R501 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R3A29 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | | R502 | 2001-000947 | R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R3A30 | 2001-000719 | R-CARBON;4.3Kohm,5%,1/8W,AE,TP,1.8x3.2m | | R503 | 2007-001505 | R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012 | |
| R3A31 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R504 | 2007-001578 | R-CHIP,MELF;2.7Kohm,5%,1/8W,DB,BK,2012 | |
| W386 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | | R505 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| XT301 | 2801-001397 | CRYSTAL-UNIT,4.433619MHZ,HC-49-U/S 15PPM | | R506 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | |
| | | | | R507 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| IF PARTS | | | | R508 | 2001-000947 | R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| C402 | 2401-001364 | C-AL;470UF,20%,16V,GP,TP,10X12MM,5M | | R509 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | |
| C403 | 2401-001905 | C-AL;10UF,20%,16V,BP,BK,6X11MM,2.5M | | R510 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| C410 | 2401-001085 | C-AL;330NF,20%,50V,GP,-,5X9,2MM | | R511 | 2001-000411 | R-CARBON;18Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| D410 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | R512 | 2007-001534 | R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012 | |

| Loc.No | Part No | Desc & Spec | Remark | Loc.No | Part No | Desc & Spec | Remark |
|----------------------|-------------|--|--------------|--------|-------------|--|--------------|
| R513 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | D803 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R514 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | D804 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R515 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | D805 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R516 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | D806 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R517 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | | D807 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R518 | 2007-000003 | R-CHIP;43Kohm,5%,1/10W,DA,TP,2012 | | D808 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R519 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | | D815 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | SV-610X/470X |
| R520 | 2007-000003 | R-CHIP;43Kohm,5%,1/10W,DA,TP,2012 | | D816 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R521 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | | D817 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R522 | 2007-001468 | R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012 | | D819 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R523 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | | D821 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | SV-614B ONLY |
| R524 | 2007-001578 | R-CHIP,MELF;2.7Kohm,5%,1/8W,DB,BK,2012 | | D822 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | SV-614B ONLY |
| R525 | 2007-001553 | R-CHIP,MELF;2Kohm,5%,1/8W,DB,BK,2012 | | JC801 | 3710-000482 | CONNECTOR-SOCKET;21P,-,ANGLE,SN | SV-610X/210X |
| R533 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | JC801 | 3722-001093 | JACK-RCA;42P,3.81MM,SN,BLU/BLK,#20-28 | SV-614B/210B |
| R540 | 2001-000766 | R-CARBON;43Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | JC802 | AC37-22002E | JACK-PIN;3.5MM,DPAE9634,2P,TR,- | |
| R570 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | L801 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| R571 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | | L802 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| | | | | L803 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| | | | | L804 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| | | | | L805 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| VPS/PDC PARTS | | | | | | | |
| C6P01 | 2203-001557 | C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP, | | L806 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| C6P02 | 2202-000791 | C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP | | L807 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,- | |
| C6P03 | 2401-001074 | C-AL;330NF,20%,50V,GP,TP,4X5.2.5MM | | L808 | AC27-92001M | INDUCTOR;70UH-M RT BFS3565R2F,-,-,- | |
| C6P05 | 2203-001608 | C-CERAMIC,CHIP;22nF,+80-20%,50V,Y5V,2012 | | L809 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| C6P06 | 2203-000802 | C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,2012, | | L810 | 2701-000181 | INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM | |
| C6P07 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | | | | | |
| IC6P01 | 1204-001287 | IC-DECODER;SDA5650,DIP,14P,-,PLASTIC,6V, | | L816 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,- | |
| R6P05 | 2007-001627 | R-CHIP,MELF;100Kohm,5%,1/8W,DB,BK,2012 | | Q802 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | |
| R6P06 | 2007-001586 | R-CHIP,MELF;1Mohm,5%,1/8W,DB,BK,2012 | | Q803 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | |
| R6P07 | 2007-000225 | R-CHIP;1.2Mohm,5%,1/10W,DA,TP,2012 | | Q811 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | SV-614B ONLY |
| R6P08 | 2007-001482 | R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012 | | Q812 | 0504-000203 | TR-DIGITAL;KSR1004,NPN,300mW,47K-47K,TO- | |
| R6P09 | 2007-000225 | R-CHIP;1.2Mohm,5%,1/10W,DA,TP,2012 | | Q813 | 0504-000142 | TR-DIGITAL;KSR2001,PNP,300mW,4.7K-4.7K,T | |
| R6P10 | 2007-001482 | R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012 | | Q814 | 0504-000142 | TR-DIGITAL;KSR2001,PNP,300mW,4.7K-4.7K,T | |
| R6P11 | 2001-000449 | R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m | | Q815 | 0504-000203 | TR-DIGITAL;KSR1004,NPN,300mW,47K-47K,TO- | |
| R6P12 | 2007-001623 | R-CHIP,MELF;10Kohm,5%,1/8W,DB,BK,2012 | | R807 | 2007-001446 | R-CHIP,MELF;910OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R808 | 2007-001505 | R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R811 | 2007-001505 | R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R812 | 2007-001460 | R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R813 | 2007-001460 | R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R814 | 2007-001464 | R-CHIP,MELF;750OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R815 | 2007-001464 | R-CHIP,MELF;750OHM,5%,1/8W,DB,BK,2012 | |
| | | | | R816 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | |
| | | | | R817 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | |
| | | | | R820 | 2007-001572 | R-CHIP,MELF;220Kohm,5%,1/8W,DB,BK,2012 | |
| | | | | R821 | 2007-001572 | R-CHIP,MELF;220Kohm,5%,1/8W,DB,BK,2012 | |
| | | | | R822 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | |
| | | | | R823 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | |
| | | | | R826 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | SV-614B ONLY |
| | | | | R827 | 2007-001557 | R-CHIP,MELF;270ohm,5%,1/8W,DB,BK,2012 | SV-614B ONLY |
| | | | | R835 | 2004-001290 | R-METAL;820ohm,5%,1/4W,AA,TP,2.4x6.4mm | |
| | | | | R836 | 2007-001505 | R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012 | SV-614B ONLY |
| | | | | R837 | 2007-001460 | R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012 | SV-614B ONLY |
| | | | | SW801 | 3408-000127 | SWITCH-SLIDE;12V,100MA,-,- | |
| | | | | SW802 | 3404-000135 | SWITCH-TACT;12V,50mA,160+-50gf,7.4x7.1mm | |
| C840 | 2203-001615 | C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP | SV-614B ONLY | - | - | ASSY-SUB(A2);Only for SV-610X | S.N.A |
| C841 | 2203-001615 | C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP | SV-614B ONLY | C4A01 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7.5 | |
| C848 | 2203-001696 | C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP, | SV-614B ONLY | C4A02 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| D801 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | C4A03 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | |
| D802 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | C4A04 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |

Electrical Parts List

| Loc.No | Part No | Desc & Spec | Remark | Loc.No | Part No | Desc & Spec | Remark |
|--------|-------------|--|--------|--------|-------------|--|--------------|
| C4A05 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | | - | - | ASSY-SUB(NICAM);Only for SV-614B | S.N.A |
| C4A06 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | C4A01 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C4A07 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | C4A02 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C4A08 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | C4A03 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C4A09 | 2301-000129 | C-FILM,PEF;100nF,5%,50V,10X9X4.3X5.5mm,T | | C4A04 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | |
| C4A10 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | | C4A06 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C4A11 | 2301-000439 | C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM | | C4A07 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | |
| C4A12 | 2301-000439 | C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM | | C4N01 | 2202-000848 | C-CERAMIC,MLC-AXIAL;1.5NF,30%,50V,Y5S,TP | |
| C4A13 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C4N02 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | |
| C4A14 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C4N03 | 2202-000806 | C-CERAMIC,MLC-AXIAL;220PF,10%,50V,Y5P,TP | |
| C4A15 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | | C4N04 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | |
| C4A16 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C4N05 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C4A17 | 2301-000129 | C-FILM,PEF;100nF,5%,50V,10X9X4.3X5.5mm,T | | C4N06 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C4A18 | 2401-000778 | C-AL;220uF,20%,10V,GP,-,6.3x11,2.5m | | C4N07 | 2202-000263 | C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP | |
| C4A19 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | | C4N08 | 2202-000848 | C-CERAMIC,MLC-AXIAL;1.5NF,30%,50V,Y5S,TP | |
| C4A20 | 2401-001919 | C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 | | C4N09 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | |
| C4A21 | 2301-000427 | C-FILM,PEF;3.9NF,10%,50V,TP,5.5X7X3MM,5M | | C4N10 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | |
| C4A22 | 2301-000264 | C-FILM,PEF;4.7nF,5%,50V,TP,6.5X5.5X3.0X5 | | C4N11 | 2401-001019 | C-AL;3.3UF,20%,50V,GP,-,5X7,1.5MM | |
| C4A24 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | | C4N12 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| C4A25 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | | C4N13 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| CN4A01 | 3711-003177 | CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG | | C4N14 | 2401-001904 | C-AL;10UF,20%,16V,-,TP,4X7MM,5 | |
| FL4A01 | 2904-001104 | FILTER-SAW AV;38.9MHz,SIP5P,T,12.9dB,BG/ | | C4N15 | 2202-000780 | C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 | |
| FL4A02 | 2903-000188 | FILTER-CERAMIC;BP,5.74MHz,+50KHz,9dB,-, | | C4N16 | 2401-001511 | C-AL;47UF,20%,16V,GP,-,6X7,5 | |
| IC4A01 | AC14-12011Q | IC-LINEAR;TDA9800,DIP,NEG DEMOD | | C4N17 | 2202-000263 | C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP | |
| IC4A02 | AC14-12011Y | IC-LINEAR;TDA9840/V2,DIP,TV-AUDIO DECODE | | C4N19 | 2202-000279 | C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X1 | |
| L4A01 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | | C4N21 | 2201-002069 | C-CERAMIC,DISC;1.5pF,0.25pF,50V,NPO,TP,4 | |
| L4A02 | AC27-12001U | COIL-PEAKING;EL0606RA 1.3UH-K | | C4N22 | 2201-002069 | C-CERAMIC,DISC;1.5pF,0.25pF,50V,NPO,TP,4 | |
| L4A03 | 2702-000214 | INDUCTOR-RADIAL;2.2mH,5%,6x6.4x10mm | | C4N27 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| Q4A01 | 0501-000436 | TR-SMALL SIGNAL;KTC3197,NPN,625mW,TO-92, | | C4N28 | 2202-000822 | C-CERAMIC,MLC-AXIAL;56PF,5%,50V,SL,TP,3. | |
| Q4A02 | 0501-000303 | TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T | | C4N29 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| R4A01 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C4N30 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| R4A02 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C4N31 | 2202-000797 | C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP, | |
| R4A03 | 2001-000780 | R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm | | C4N50 | 2202-000263 | C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP | |
| R4A04 | 2001-000802 | R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M | | C4N70 | 2401-001917 | C-AL;1UF,20%,50V,-,TP,5X7MM,5 | |
| R4A05 | 2001-000258 | R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m | | C4N71 | 2401-001917 | C-AL;1UF,20%,50V,-,TP,5X7MM,5 | |
| R4A06 | 2001-000241 | R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m | | CN4N01 | 3711-003177 | CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG | |
| R4A07 | 2001-001006 | R-CARBON;82ohm,5%,1/8W,AA,TP,1.8x3.2mm | | D4N01 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R4A08 | 2001-000472 | R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | D4N04 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | |
| R4A09 | 2001-000405 | R-CARBON ;180 OHM,5%,1/8W,AA,T | | FL4A01 | 2904-001104 | FILTER-SAW AV;38.9MHz,SIP5P,T,12.9dB,BG/ | |
| R4A12 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | IC4A01 | AC14-12011Q | IC-LINEAR;TDA9800,DIP,NEG DEMOD | |
| R4A13 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | C4N01 | AC14-10001D | IC;MSP3415D,DIP,52P,47*15.6,PLAST | |
| R4A14 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | L4N01 | 2702-000160 | INDUCTOR-RADIAL;4.7uH,10%,6x6.4mm | |
| R4A15 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | L4N02 | 2702-000108 | INDUCTOR-RADIAL;100uH,5%,6x6.4mm | |
| R4A16 | 2001-000793 | R-CARBON;47ohm,5%,1/8W,AA,TP,1.8x3.2mm | | L4N03 | 2701-000188 | INDUCTOR-AXIAL;4.7UH,5%,2.4X3.4MM | |
| R4A18 | 2001-001015 | R-CARBON;9.1Kohm,5%,1/8W,AA,TP,1.8x3.2m | | L4N06 | AC27-12001U | COIL-PEAKING;EL0606RA 1.3UH-K | |
| R4A19 | 2001-000633 | R-CARBON;30Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | L4N07 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | |
| R4A20 | 2001-000472 | R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | | Q4N01 | 0501-000436 | TR-SMALL SIGNAL;KTC3197,NPN,625mW,TO-92, | |
| R4A21 | 2001-000554 | R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM | | R4A01 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R4A22 | 2001-000613 | R-CARBON ;3.9K OHM,5%,1/8,AA,T | | R4A02 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R4A23 | 2001-000864 | R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R4A03 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R4A24 | 2001-000337 | R-CARBON;130Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R4A04 | 2001-000472 | R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R4A25 | 2001-001015 | R-CARBON;9.1Kohm,5%,1/8W,AA,TP,1.8x3.2m | | R4N01 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| TL4A01 | AC26-12001A | TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S | | R4N02 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| W4A12 | 2001-000331 | R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R4N03 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| W4A13 | 2001-000331 | R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | R4N04 | 2001-000563 | R-CARBON;27Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| W4A14 | 3301-000297 | CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, | | R4N05 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| XT4A01 | 2801-003293 | CRYSTAL-UNIT;10MHZ,20PPM,28-AAA,16PF,500 | | R4N06 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| | | | | R4N18 | 2001-000258 | R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| | | | | R4N19 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| | | | | R4N20 | 2001-000241 | R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m | |

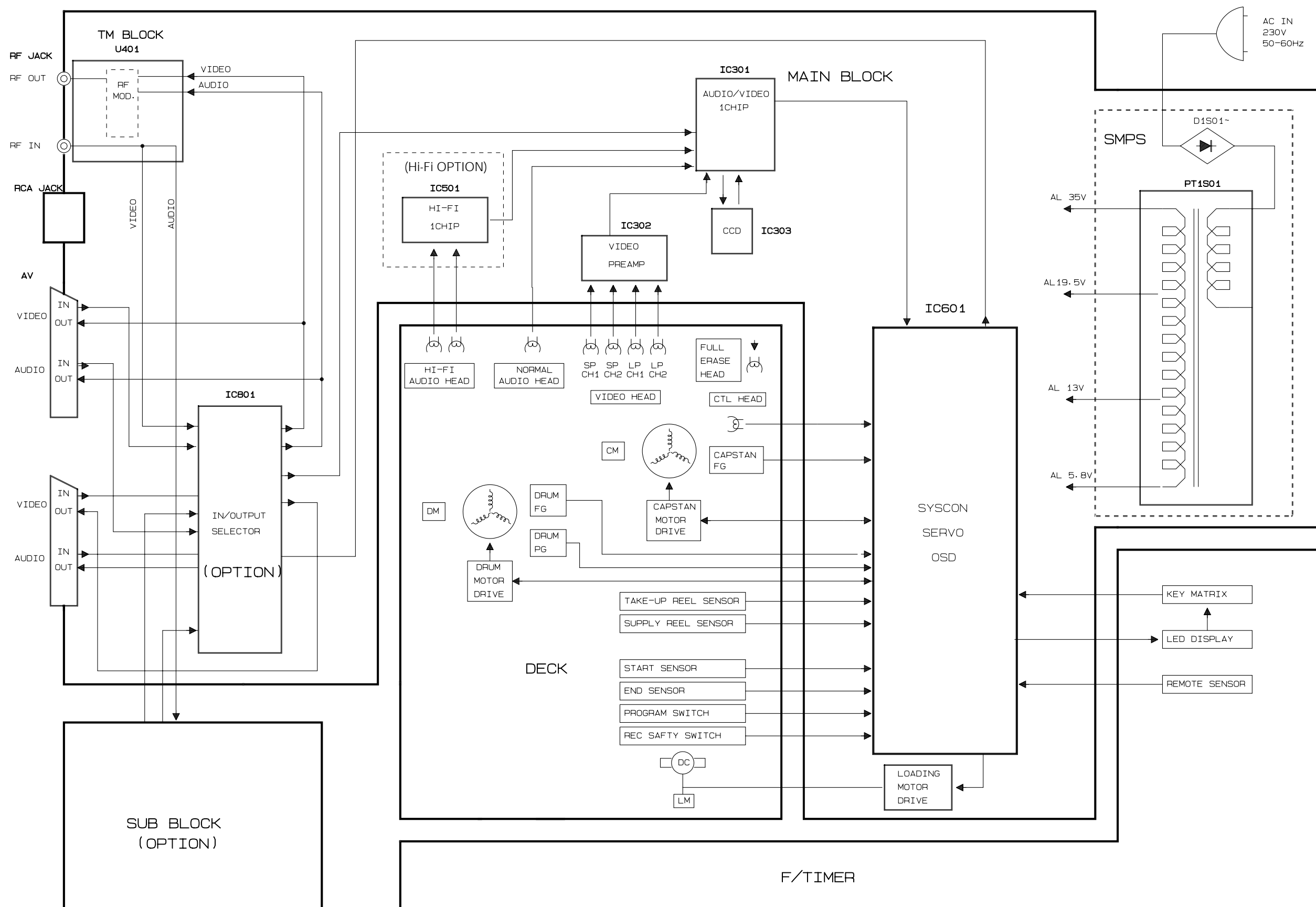
| Loc.No | Part No | Desc & Spec | Remark | Loc.No | Part No | Desc & Spec | Remark |
|--------|-------------|---|--------------|--------|--------------------|---|---------------------|
| R4N21 | 2001-000793 | R-CARBON;47ohm,5%,1/8W,AA,TP,1.8x3.2mm | | R733 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R4N22 | 2001-000802 | R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M | | R734 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R4N23 | 2001-000554 | R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM | | R735 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| TL4A01 | AC26-12001A | TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S | | R737 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| XT4N01 | 2801-003171 | CRYSTAL-UNIT;18.432MHz,20PPM,28-AAAM,4PF, | | R739 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| - | - | ASSY-F/TIMER | S.N.A | RM701 | AC59-62001K | MODULE-REMOCON;TSOP1238RF,1,38KHz,-,-,-,- | |
| C701 | 2401-001893 | C-AL;100uF,20%,16V,GP,TP,6.3x7mm,5 | | SW701 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| C703 | 2202-000796 | C-CERAMIC,MLC-AXIAL;UP050 B102KB INF,10% | | SW702 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| C706 | 2202-000796 | C-CERAMIC,MLC-AXIAL;UP050 B102KB INF,10% | | SW703 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| CN701 | 3708-001251 | CONNECTOR-FPC/FC;PIC;22P,1mm,STRAIGHT-F, | | SW704 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D701 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW705 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D703 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW706 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D707 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW707 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D710 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW708 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D711 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW709 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D712 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | SW710 | 3404-000165 | SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S | |
| D713 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | | | |
| D725 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | AC59-10329K | REMOCON-ASSY | SV-610X/210X |
| D728 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | AC59-10343Q | REMOCON-ASSY | SV-614B |
| D743 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | AC59-10329Y | REMOCON-ASSY | SV-210B |
| | | | | | AC59-10343L | REMOCON-ASSY | SV-480G |
| D744 | 0401-000101 | DIODE-SWITCHING;1N4148,100V,200mA,500mW, | | | AC59-10329N | REMOCON-ASSY | SV-470G |
| DT701 | 0703-001042 | DISPLAY-LED;GRN,6digit,8seg,46x21x17mm | | | AC64-50953A | DOOR-BATTERY REMOCON;-ABS94,HB,T2.0,-,D | |
| L701 | AC27-92001B | COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,- | | | | | |
| Q701 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q702 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q703 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q704 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q705 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q706 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q707 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q708 | 0501-000398 | TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T | | | | | |
| Q709 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| Q710 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| Q711 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| Q712 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| Q713 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| Q714 | 0501-000290 | TR-SMALL SIGNAL;KSA643-Y,PNP,500MW,TO-92 | | | | | |
| R701 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R702 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R703 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R704 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R705 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R706 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R707 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R708 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R709 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R710 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R711 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R712 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R713 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R714 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R715 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R716 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R723 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R724 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R725 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R726 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R729 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R731 | 2001-000780 | R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |
| R732 | 2001-000780 | R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm | | | | | |

MENO

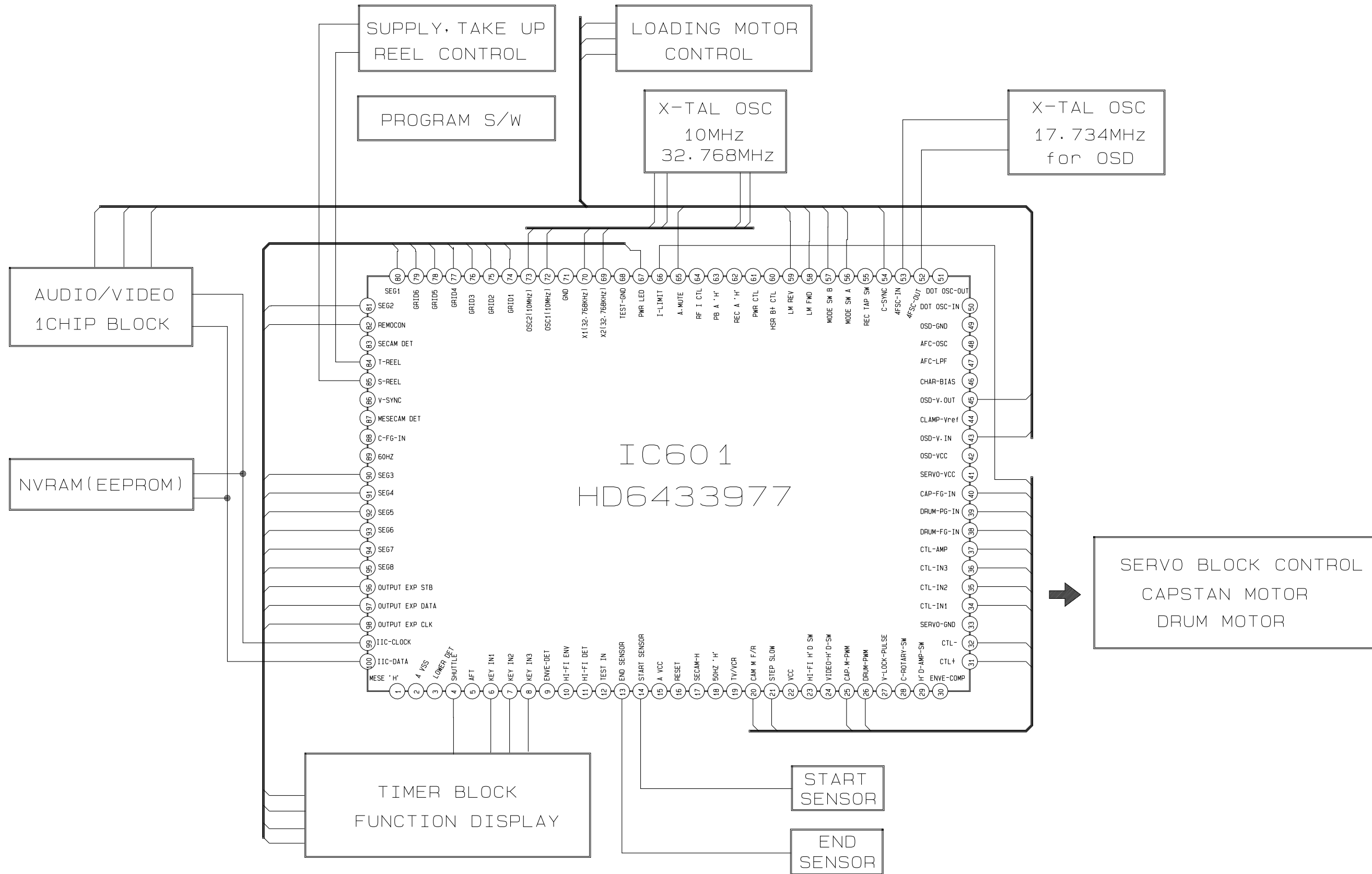
8. Block Diagrams

| | Page |
|---|------|
| 8-1 Overall Block Diagram - - - - - | 8-2 |
| 8-2 System Control - - - - - | 8-3 |
| 8-3 Video - - - - - | 8-4 |
| 8-4 Hi-Fi (Only for Hi-Fi Models) - - - - - | 8-5 |

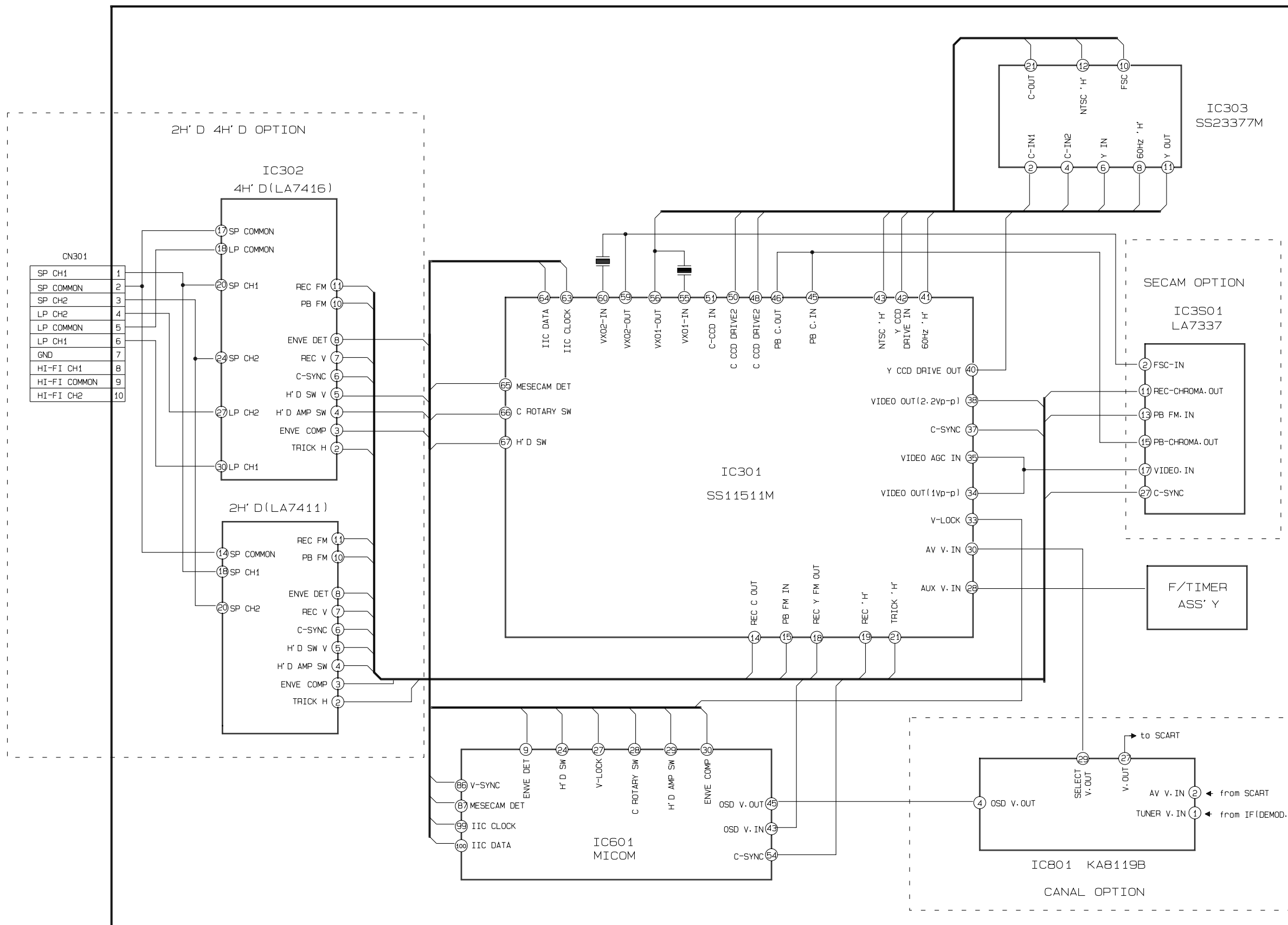
8-1 Overall Block Diagram



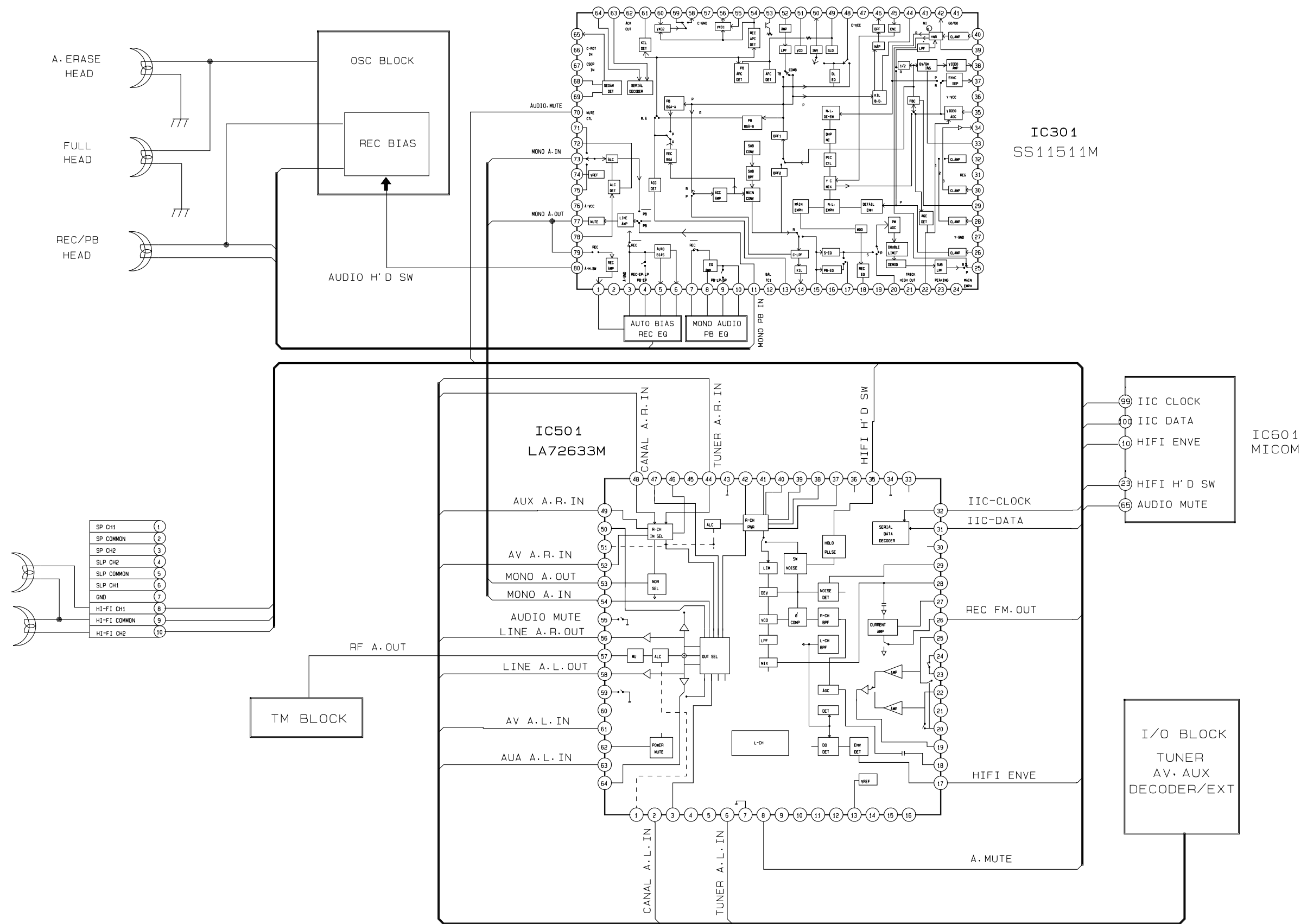
8-2 System Control



8-3 Video



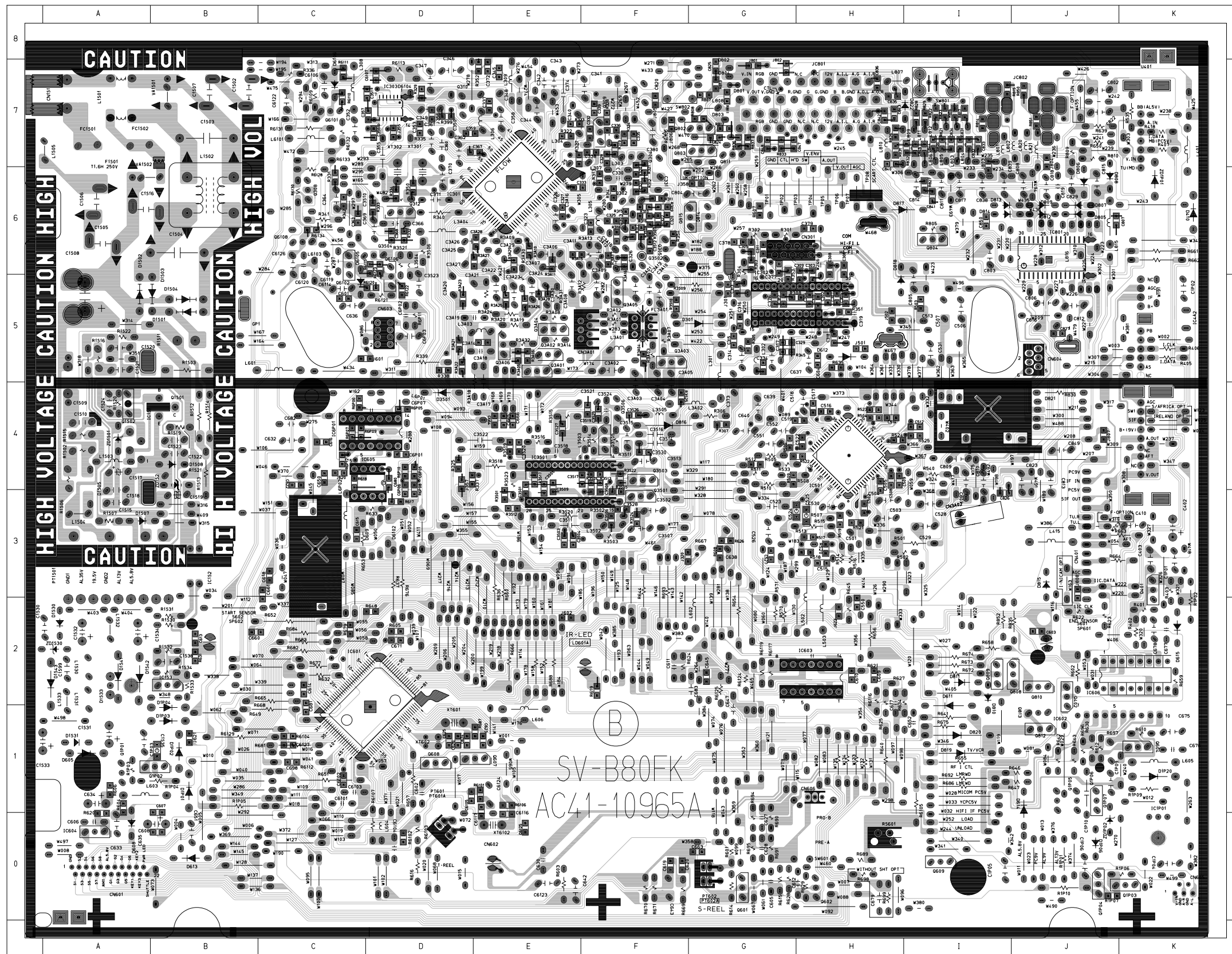
8-4 Hi-Fi (Only for Hi-Fi models)



9. PCB Diagrams

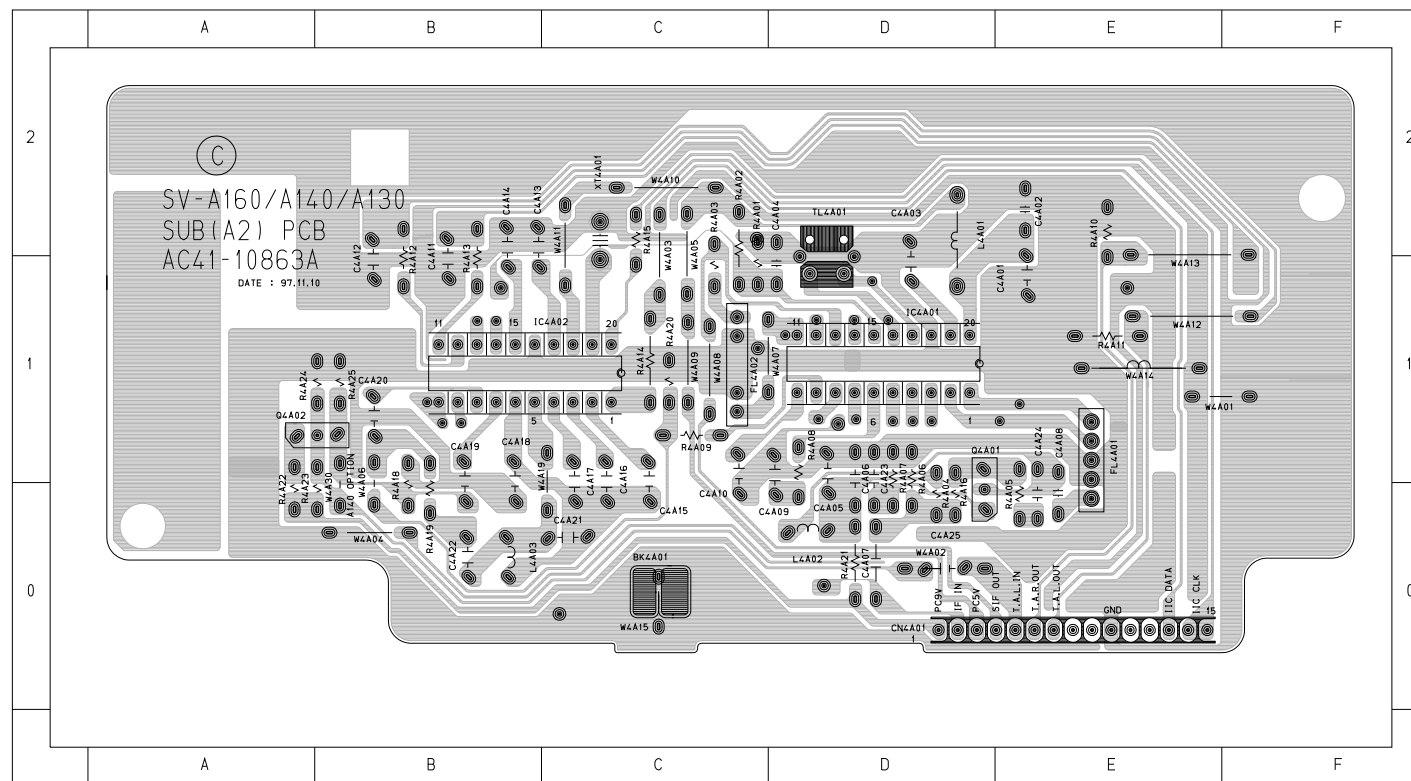
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|--|------|
| 9-1 Main - - - - - | 9-2 |
| 9-2 SUB (A2) ; Only for SV-610X - - - - - | 9-4 |
| 9-3 SUB (NICAM) ; Only for SV-614B - - - - - | 9-4 |
| 9-4 Function-Timer - - - - - | 9-5 |

9-1 Main



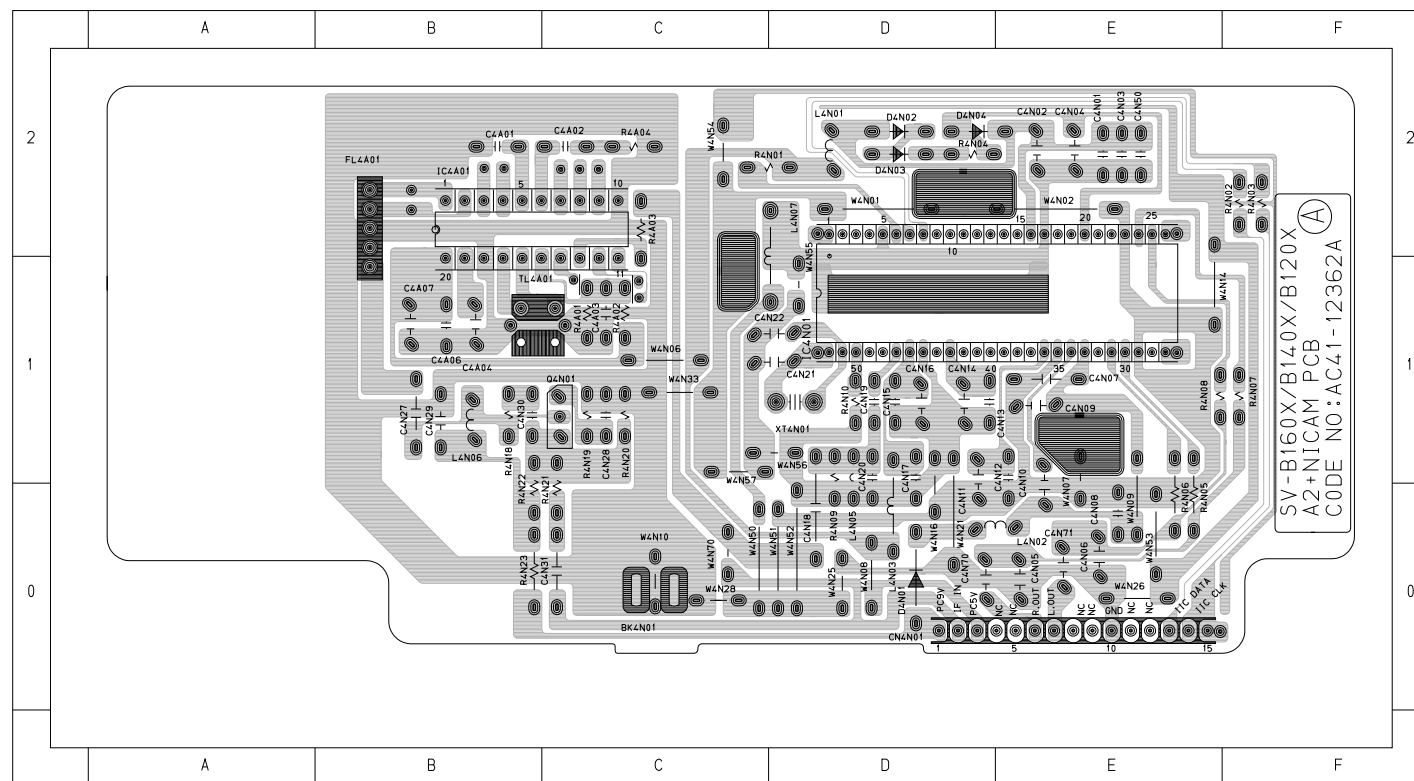
| *** RESISTOR *** | | *** CONDENSER *** | | *** DIODE *** | | *** TR *** | | *** IC&WAFER *** | | *** CHIP *** | | |
|------------------|------------|-------------------|------------|---------------|------------|-------------|------------|------------------|------------|--------------|------------|------------|
| R1P01 (J0) | R540 (I4) | R681 (C1) | C1P01 (K3) | C3A23 (E5) | C804 (F6) | D1P01 (B1) | IC1S3 (B2) | CN1S1 (A7) | C1P03 (B1) | C607 (B1) | J808 (J3) | R524 (H4) |
| R1P02 (K2) | R570 (G2) | R682 (C2) | C1P02 (K5) | C3A24 (E5) | C805 (I5) | D1P02 (B1) | IC4A2 (K5) | CN3A01 (E5) | C301 (H5) | C608 (B0) | R1P07 (J0) | R525 (I4) |
| R1P03 (A1) | R571 (G2) | R683 (C2) | C1P04 (K0) | C3A25 (D6) | C806 (J5) | D1P03 (B1) | IC604 (A0) | CN401 (J4) | C302 (H5) | C609 (H2) | R303 (G6) | R604 (A1) |
| R1P04 (A1) | R601 (G0) | R684 (C2) | C1P05 (I0) | C3A26 (D6) | C808 (J6) | D1P04 (B1) | Q1P01 (A1) | CN602 (E0) | C303 (H5) | C610 (H2) | R305 (G5) | R605 (D2) |
| R1P05 (B1) | R602 (J2) | R686 (I1) | C1P06 (J0) | C3A27 (D6) | C809 (I4) | D1P06 (J0) | Q1P02 (B1) | CN604 (J5) | C304 (H5) | C6102 (C1) | R307 (G4) | R606 (A1) |
| R1P06 (J0) | R603 (E0) | R688 (E2) | C1P09 (J1) | C3A29 (E6) | C810 (I4) | D1P20 (K1) | Q1P03 (J0) | CN606 (H1) | C305 (G6) | C6105 (D1) | R308 (H5) | R607 (G6) |
| R1P09 (K1) | R610 (K1) | R689 (H0) | C1P10 (J0) | C3A30 (E5) | C811 (I6) | D1S01 (B5) | Q1P04 (J0) | IC1P01 (K0) | C306 (H6) | C6107 (D7) | R309 (F6) | R608 (G3) |
| R1P10 (J0) | R6100 (F7) | R690 (G0) | C1S02 (B7) | C3S02 (F3) | C812 (J5) | D1S02 (A5) | Q1P05 (J1) | IC302 (H5) | C307 (H5) | C6116 (E0) | R310 (F6) | R6101 (E1) |
| R1S02 (A4) | R6103 (D0) | R691 (G0) | C1S03 (B7) | C3S07 (F3) | C813 (J4) | D1S03 (B5) | Q1P06 (J1) | IC3S01 (E3) | C308 (H6) | C6117 (E1) | R311 (F6) | R6102 (D0) |
| R1S03 (B5) | R6105 (I0) | R692 (I1) | C1S04 (B6) | C3S10 (C6) | C814 (I6) | D1S04 (B5) | Q1P07 (J1) | IC603 (H2) | C309 (H5) | C6125 (E0) | R312 (F6) | R6104 (C1) |
| R1S06 (A4) | R6107 (D0) | R693 (F2) | C1S05 (A6) | C3S11 (E3) | C815 (J6) | D1S05 (A4) | Q1S02 (A4) | IC605 (D4) | C310 (H5) | C6127 (C1) | R313 (F6) | R6106 (E1) |
| R1S07 (A3) | R6109 (C7) | R694 (G0) | C1S06 (A6) | C3S13 (F4) | C816 (J5) | D1S07 (B3) | Q302 (F6) | IC606 (J2) | C311 (G6) | C613 (B2) | R314 (F6) | R6110 (C7) |
| R1S12 (B4) | R6112 (C1) | R695 (G0) | C1S07 (B7) | C3S14 (F4) | C817 (I6) | D1S08 (B4) | Q303 (F6) | IC6P01 (D4) | C312 (G5) | C614 (C2) | R315 (F6) | R6111 (C7) |
| R1S13 (B4) | R6113 (D7) | R696 (J1) | C1S09 (A4) | C3S15 (F4) | C818 (J6) | D1S30 (A2) | Q304 (F7) | JC802 (I7) | C313 (G5) | C615 (C3) | R316 (F6) | R6115 (D6) |
| R1S14 (B4) | R6116 (H1) | R697 (J1) | C1S10 (A4) | C3S16 (F4) | C819 (J6) | D1S31 (A1) | Q305 (F6) | S601 (J2) | C315 (G5) | C616 (C4) | R317 (F6) | R6120 (D5) |
| R1S15 (A4) | R6117 (G2) | R698 (H0) | C1S15 (A3) | C3S18 (E4) | C820 (F7) | D1S33 (A2) | Q308 (C6) | S602 (B2) | C316 (G5) | C618 (C3) | R318 (F6) | R6122 (D5) |
| R1S16 (A5) | R6119 (G2) | R699 (H0) | C1S16 (B6) | C3S21 (E4) | C822 (J7) | D1S41 (A2) | Q309 (F7) | | C318 (H5) | C619 (F0) | R319 (F7) | R6123 (D6) |
| R1S19 (B4) | R612 (J1) | R6P11 (D5) | C1S17 (A4) | C3S22 (D4) | C823 (J3) | D1S42 (A2) | Q310 (D7) | | C320 (F6) | C620 (F0) | R320 (F6) | R6134 (C6) |
| R1S20 (A4) | R6121 (D5) | R805 (I6) | C1S18 (A3) | C3S23 (D5) | C829 (J6) | D1S43 (A1) | Q312 (D6) | | C321 (F6) | C622 (C4) | R321 (F6) | R617 (D3) |
| R1S21 (B4) | R6124 (G2) | R809 (J7) | C1S19 (B3) | C3S24 (F4) | C838 (I6) | D301 (G5) | Q3A01 (E5) | | C322 (F6) | C623 (E1) | R322 (E7) | R618 (C4) |
| R1S22 (A5) | R6125 (G2) | R810 (J7) | C1S20 (A5) | C403 (K3) | C839 (I6) | D3501 (D4) | Q3A02 (E5) | | C323 (F6) | C624 (D1) | R323 (E7) | R619 (F2) |
| R1S30 (B2) | R6128 (C6) | R830 (J4) | C1S21 (A5) | C410 (K3) | C849 (J4) | D410 (K6) | Q3A03 (F5) | | C325 (F6) | C625 (D1) | R324 (F7) | R620 (A0) |
| R1S31 (B2) | R6129 (B1) | R835 (J2) | C1S22 (B4) | C501 (H3) | XT602 (D1) | D605 (A1) | Q3A04 (E5) | | C327 (E6) | C626 (D1) | R325 (D4) | R626 (G3) |
| R1S32 (B2) | R6130 (C6) | R852 (I2) | C1S23 (B4) | C503 (H3) | | D608 (A0) | Q3A05 (F5) | | C328 (F7) | C645 (G2) | R327 (E7) | R631 (B2) |
| R1S33 (B2) | R6131 (C7) | W132 (H1) | C1S24 (A4) | C504 (H3) | | D609 (D3) | Q3A06 (E5) | | C329 (G5) | C650 (C4) | R328 (F7) | R635 (H5) |
| R1S34 (B2) | R6132 (C7) | W133 (H1) | C1S30 (A2) | C506 (I5) | | D6102 (D3) | Q3S01 (F3) | | C332 (F7) | C660 (B2) | R329 (D7) | R648 (D2) |
| R301 (G6) | R6133 (C7) | W134 (H1) | C1S35 (A1) | C507 (I5) | | D6104 (D7) | Q3S02 (F6) | | C333 (E6) | C661 (C3) | R331 (C6) | R679 (C2) |
| R302 (G6) | R614 (G0) | W135 (H1) | C1S38 (B2) | C513 (H5) | | D6105 (C5) | Q3S03 (F4) | | C334 (G5) | C663 (G0) | R332 (D6) | R687 (E1) |
| R304 (G5) | R615 (G0) | W152 (E2) | C1S99 (A2) | C518 (H4) | | D6106 (C7) | Q3S04 (C6) | | C335 (F7) | C664 (E4) | R333 (D6) | R6P05 (D4) |
| R306 (G4) | R616 (D0) | W158 (E2) | C314 (G5) | C523 (G3) | | D611 (I1) | Q3S05 (F4) | | C336 (F7) | C665 (E4) | R334 (D6) | R6P06 (C4) |
| R336 (C7) | R621 (H2) | XT301 (D6) | C317 (G5) | C526 (G3) | | D612 (H5) | Q3S06 (F4) | | C337 (E7) | C666 (E4) | R335 (D7) | R6P07 (C4) |
| R339 (D5) | R622 (J2) | XT302 (D6) | C319 (H5) | C528 (I3) | | D613 (B0) | Q401 (K2) | | C338 (F7) | C671 (D2) | R337 (D4) | R6P08 (D3) |
| R340 (D6) | R623 (J2) | XT601 (D1) | C324 (E6) | C529 (I3) | | D614 (J1) | Q402 (J2) | | C339 (F7) | C680 (D4) | R338 (D5) | R6P09 (C4) |
| R341 (C6) | R624 (F2) | XT6102 (E0) | C326 (F6) | C530 (H3) | | D615 (K2) | Q601 (G0) | | C345 (E7) | C681 (C1) | R342 (C6) | R6P10 (D4) |
| R3A01 (F5) | R625 (H1) | | C330 (F6) | C531 (I5) | | D801 (G7) | Q602 (H0) | | C351 (D7) | C698 (C1) | R345 (G5) | R6P12 (C4) |
| R3A02 (F5) | R627 (H2) | | C331 (F6) | C551 (G4) | | D802 (G7) | Q604 (K1) | | C356 (D7) | C6P01 (D4) | R350 (D6) | R807 (G7) |
| R3A03 (F5) | R628 (G0) | | C340 (E7) | C552 (G4) | | D803 (F7) | Q607 (E1) | | C357 (D7) | C6P05 (D4) | R351 (H5) | R808 (G7) |
| R3A07 (F5) | R629 (H0) | | C341 (F7) | C602 (D1) | | D804 (G7) | Q608 (D1) | | C359 (D7) | C6P06 (D3) | R352 (E7) | R811 (G7) |
| R3A08 (E5) | R630 (J1) | | C342 (E7) | C605 (G0) | | D805 (J6) | Q609 (I0) | | C363 (C6) | C807 (J6) | R353 (G5) | R812 (G7) |
| R3A09 (E6) | R632 (C2) | | C343 (E7) | C606 (A0) | | D806 (J6) | Q6101 (C7) | | C367 (E7) | C824 (G7) | R354 (F6) | R813 (G7) |
| R3A12 (F5) | R633 (C3) | | C344 (E7) | C6101 (C1) | | D807 (J6) | Q6102 (C6) | | C368 (D6) | C825 (G7) | R399 (D7) | R814 (I7) |
| R3A13 (F6) | R634 (I1) | | C346 (D7) | C6103 (C1) | | D808 (J6) | Q6106 (D5) | | C372 (E7) | C826 (I3) | R3A04 (F5) | R815 (I7) |
| R3A14 (E5) | R636 (E2) | | C347 (D7) | C6104 (D0) | | D809 (J6) | Q6108 (C6) | | C376 (G5) | C827 (J5) | R3A05 (E5) | R816 (I7) |
| R3A18 (E4) | R637 (D3) | | C348 (E7) | C6106 (C7) | | D810 (I1) | Q802 (G7) | | C377 (G6) | C831 (I7) | R3A06 (E5) | R817 (I7) |
| R3A19 (E5) | R639 (J7) | | C349 (D7) | C611 (F2) | | D811 (I2) | Q803 (G7) | | C378 (G6) | C832 (I7) | R3A10 (E6) | R820 (I7) |
| R3A20 (E5) | R640 (H1) | | C350 (D7) | C6114 (C5) | | D812 (J6) | Q804 (I6) | | C379 (H6) | C833 (I7) | R3A11 (E6) | R821 (I7) |
| R3A24 (E5) | R641 (I1) | | C352 (C7) | C6119 (C6) | | D813 (J6) | Q808 (J2) | | C3A14 (E5) | C834 (I7) | R3A15 (E6) | R822 (I7) |
| R3A30 (E5) | R642 (J1) | | C353 (D7) | C612 (H0) | | D814 (J6) | Q809 (I2) | | C3A28 (E6) | C835 (H7) | R3A16 (F6) | R823 (I7) |
| R3A31 (E5) | R643 (J1) | | C355 (D6) | C6120 (C5) | | D815 (J3) | Q810 (J2) | | C3S01 (E4) | C836 (H7) | R3A17 (F6) | R826 (H7) |
| R3A32 (E5) | R644 (F2) | | C358 (E7) | C6122 (C7) | | D816 (G4) | Q811 (G7) | | C3S03 (E3) | C840 (H7) | R3A21 (D5) | R827 (I6) |
| R3S02 (F3) | R645 (H2) | | C360 (D7) | C6123 (E0) | | D817 (I6) | Q812 (J1) | | C3S04 (E3) | C841 (I6) | R3A22 (D5) | R828 (I7) |
| R3S03 (F3) | R646 (I1) | | C361 (D7) | C6124 (E1) | | D818 (H6) | Q813 (J1) | | C3S05 (E4) | C842 (H7) | R3A23 (D5) | R829 (I7) |
| R3S06 (D6) | R647 (I1) | | C362 (D7) | C6126 (C6) | | D819 (I1) | Q814 (G6) | | C3S06 (F3) | C843 (H7) | R3A25 (E5) | R831 (H7) |
| R3S09 (F5) | R649 (B1) | | C364 (C6) | C617 (H1) | | D820 (I1) | Q815 (G6) | | C3S08 (F4) | C844 (I7) | R3A26 (E5) | R832 (I7) |
| R3S11 (F4) | R650 (J7) | | C366 (D6) | C627 (G0) | | D821 (J4) | | | C3S09 (E4) | C845 (I7) | R3A27 (E6) | R833 (G7) |
| R3S14 (F4) | R651 (C1) | | C369 (D6) | C628 (G0) | | D822 (I7) | | | C3S12 (F6) | C847 (G7) | R3A28 (E5) | R836 (G7) |
| R3S15 (E4) | R652 (B2) | | C370 (D6) | C630 (E0) | | ZDIP01 (K7) | | | C3S17 (F4) | C848 (G7) | R3A29 (E6) | R837 (G7) |
| R3S16 (E4) | R653 (C3) | | C371 (D6) | C632 (C4) | | ZDIP02 (J1) | | | C3S19 (F4) | C850 (I6) | R3S01 (E3) | R850 (J7) |
| R3S18 (E4) | R654 (G2) | | C373 (G5) | C633 (A0) | | ZD1S01 (A4) | | | C3S20 (E4) | IC301 (E6) | R3S04 (F4) | R851 (J7) |
| R3S20 (E3) | R655 (I1) | | C374 (E7) | C636 (C5) | | ZD1S2 (B4) | | | C3S25 (F4) | IC303 (D7) | R3S05 (F3) | |
| R3S21 (D5) | R656 (H2) | | C380 (F7) | C637 (H5) | | ZD1S30 (A2) | | | C3S26 (F4) | IC501 (H4) | R3S07 (F6) | |
| R3S23 (E3) | R657 (D1) | | C3A01 (F5) | C638 (G3) | | | | | C3S27 (E4) | IC801 (J6) | R3S08 (F6) | |
| R401 (K2) | R658 (I2) | | C3A02 (F5) | C639 (G4) | | | | | C3S28 (F3) | J301 (G5) | R3S10 (F5) | |
| R402 (K2) | R659 (K2) | | C3A03 (F4) | C640 (G4) | | | | | C3S30 (F4) | J320 (F3) | R3S12 (E3) | |
| R403 (K2) | R660 (E2) | | C3A04 (F4) | C642 (E0) | | | | | C502 (H3) | J355 (D7) | R3S13 (F4) | |
| R405 (K5) | R661 (K6) | | C3A05 (F5) | C643 (F0) | | | | | C505 (H4) | J356 (D7) | R3S17 (E4) | |
| R406 (K5) | R662 (K6) | | C3A06 (E6) | C647 (G1) | | | | | C508 (H4) | J357 (D4) | R3S19 (E4) | |
| R407 (K7) | R663 (J3) | | C3A07 (E6) | C651 (B0) | | | | | C509 (H4) | J358 (G6) | R3S22 (F4) | |
| R418 (K7) | R664 (J3) | | C3A08 (E5) | C652 (I1) | | | | | C512 (I4) | J501 (H5) | R3S24 (F3) | |
| R501 (H3) | R665 (B2) | | C3A09 (F5) | C675 (K1) | | | | | C514 (H4) | J502 (H5) | R3S25 (F4) | |
| R502 (H3) | R666 (E2) | | C3A10 (F5) | C676 (K1) | | | | | C515 (H3) | J601 (D5) | R503 (I5) | |
| R505 (G4) | R667 (F3) | | C3A11 (E6) | C677 (K2) | | | | | C516 (H4) | J602 (E2) | R504 (H4) | |
| R507 (G3) | R668 (B1) | | C3A12 (F6) | C678 (K2) | | | | | C517 (H4) | J620 (C4) | R506 (G4) | |
| R508 (G4) | R669 (F0) | | C3A13 (F5) | C679 (H0) | | | | | C519 (H4) | J621 (B1) | R509 (G4) | |
| R510 (G4) | R670 (F0) | | C3A15 (F6) | C682 (C4) | | | | | C522 (H4) | J622 (H2) | R512 (G4) | |
| R511 (G4) | R671 (F0) | | C3A16 (E6) | C683 (G2) | | | | | C524 (H3) | J801 (G7) | R517 (H3) | |
| R513 (G3) | R672 (I2) | | C3A17 (E4) | C6P02 (D5) | | | | | C525 (H3) | J802 (G7) | R518 (H3) | |
| R514 (H3) | R673 (I2) | | C3A18 (D5) | C6P03 (D5) | | | | | C527 (G3) | J803 (I7) | R519 (H3) | |
| R515 (G3) | R674 (I2) | | C3A19 (D5) | C6P07 (D4) | | | | | C550 (H2) | J804 (J7) | R520 (H3) | |
| R516 (H3) | R675 (I1) | | C3A20 (D5) | C801 (I4) | | | | | C601 (C5) | J805 (F7) | R521 (H3) | |
| R533 (G4) | R676 (D3) | | C3A21 (E5) | C802 (J7) | | | | | C603 (J2) | J806 (F7) | R522 (H4) | |
| R535 (K7) | R677 (C2) | | C3A22 (E5) | C803 (I6) | | | | | C604 (H5) | J807 (J4) | R523 (H4) | |

9-2 SUB (A2) ; Only for SV-610X



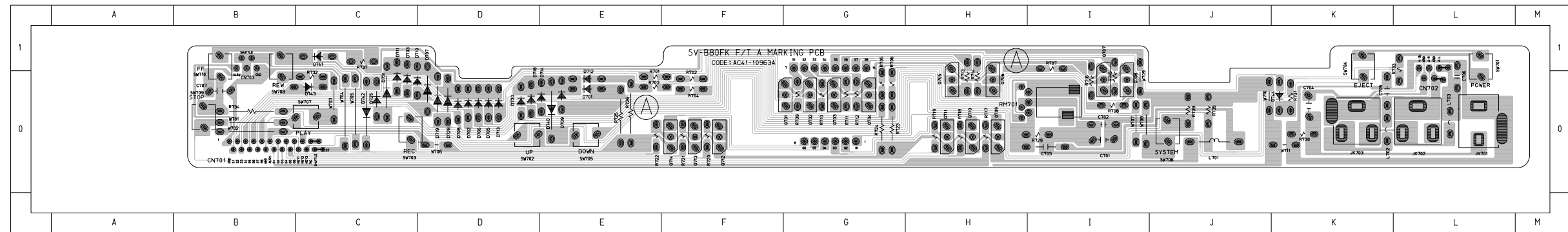
| *** RESISTOR *** | *** CONDENSER *** | *** TR *** | *** IC&WAFER *** |
|------------------|-------------------|------------|------------------|
| R4A01 (C1) | C4A01 (E1) | Q4A01 (D1) | CN4A01 (D0) |
| R4A02 (C1) | C4A02 (E2) | Q4A02 (B1) | IC4A01 (D1) |
| R4A03 (C1) | C4A03 (D1) | | IC4A02 (C1) |
| R4A04 (D0) | C4A04 (D1) | | |
| R4A05 (E0) | C4A05 (D0) | | |
| R4A06 (D0) | C4A06 (D0) | | |
| R4A07 (D0) | C4A07 (D0) | | |
| R4A08 (D0) | C4A08 (E0) | | |
| R4A09 (C1) | C4A09 (D0) | | |
| R4A10 (E1) | C4A10 (C1) | | |
| R4A11 (E1) | C4A11 (B2) | | |
| R4A12 (B1) | C4A12 (B2) | | |
| R4A13 (B1) | C4A13 (B2) | | |
| R4A14 (C1) | C4A14 (B2) | | |
| R4A15 (C1) | C4A15 (C1) | | |
| R4A16 (D0) | C4A16 (C1) | | |
| R4A18 (B0) | C4A17 (C1) | | |
| R4A19 (B0) | C4A18 (B1) | | |
| R4A20 (C1) | C4A19 (B1) | | |
| R4A21 (D0) | C4A20 (B1) | | |
| R4A22 (A1) | C4A21 (C0) | | |
| R4A23 (B1) | C4A22 (B0) | | |
| R4A24 (B1) | C4A23 (D0) | | |
| R4A25 (B1) | C4A24 (E0) | | |
| XT4A01 (C1) | C4A25 (D0) | | |

9-3 SUB (NICAM) ; Only for SV-614B



| *** RESISTOR *** | *** CONDENSER *** | *** DIODE *** | *** TR *** |
|------------------|-------------------|---------------|------------------|
| R4A01 (C1) | C4A01 (B2) | C4N27 (B1) | D4N01 (D0) |
| R4A02 (C1) | C4A02 (C2) | C4N28 (C1) | D4N02 (D2) |
| R4A03 (C1) | C4A03 (C1) | C4N29 (B1) | D4N03 (D2) |
| R4A04 (C2) | C4A04 (B1) | C4N30 (B1) | D4N04 (E2) |
| R4N01 (C2) | C4A06 (B1) | C4N31 (C0) | |
| R4N02 (F2) | C4A07 (B1) | C4N50 (E2) | |
| R4N03 (F2) | C4N01 (E2) | C4N70 (D0) | |
| R4N04 (D2) | C4N02 (E2) | C4N71 (E0) | |
| R4N05 (E0) | C4N03 (E2) | | *** IC&WAFER *** |
| R4N06 (E0) | C4N04 (E2) | | |
| R4N07 (F1) | C4N05 (E0) | | |
| R4N08 (E1) | C4N06 (E0) | | CN4N01 (D0) |
| R4N09 (D0) | C4N07 (E1) | | IC4A01 (B1) |
| R4N10 (D1) | C4N08 (E0) | | |
| R4N18 (B1) | C4N09 (E1) | | |
| R4N19 (C1) | C4N10 (E0) | | |
| R4N20 (C1) | C4N11 (D1) | | |
| R4N21 (C0) | C4N12 (E0) | | |
| R4N22 (B0) | C4N13 (D1) | | |
| R4N23 (B0) | C4N14 (D1) | | |
| XT4N01 (D1) | C4N15 (D1) | | |
| | C4N16 (D1) | | |
| | C4N17 (D0) | | |
| | C4N18 (D0) | | |
| | C4N19 (D1) | | |
| | C4N20 (D0) | | |
| | C4N21 (C1) | | |
| | C4N22 (C1) | | |

9-4 Function-Timer



*** RESISTOR ***

R701 (E0)
R702 (F0)
R703 (E0)
R704 (F0)
R705 (G0)
R706 (G0)
R707 (I1)
R708 (I0)
R709 (G0)
R710 (G0)
R711 (G0)
R712 (G0)
R713 (H0)
R714 (H0)
R715 (I0)
R716 (I0)
R717 (H0)
R718 (H0)
R719 (H0)
R720 (F0)
R721 (F0)
R722 (E0)
R723 (G0)
R724 (G0)
R725 (E0)
R726 (E0)

*** CONDENSER *** *** DIODE ***

C701 (I0)
C702 (I0)
C703 (H0)
C704 (K0)
C705 (K0)
C706 (L0)
C707 (B0)
D701 (E0)
D702 (D0)
D703 (C1)
D705 (D0)
D706 (D0)
D707 (D1)
D708 (D0)
D709 (E0)
D710 (D1)
D711 (C1)
D712 (E0)
D713 (D0)
D714 (E0)
D718 (D0)
D719 (D0)
D725 (C0)
D728 (D0)
D730 (D0)
D731 (C1)
D740 (E0)
D741 (C1)
D742 (C0)
D743 (C0)
D744 (K0)

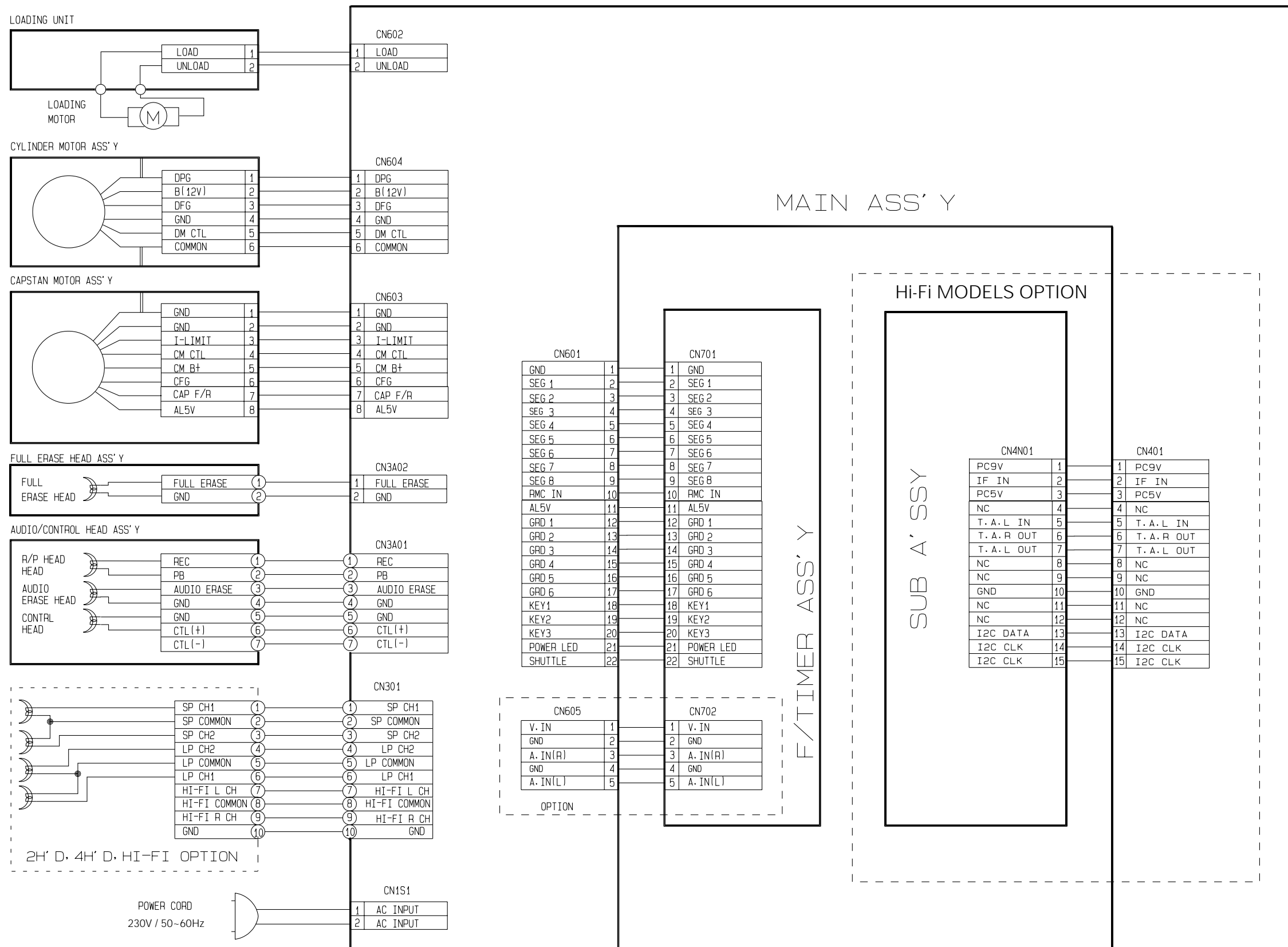
*** TR ***

*** IC&WAFER ***

*** CHIP ***

JK701 (L0)
JK702 (K0)
JK703 (L0)

10. Wiring Diagram



11. Schematic Diagrams

| | Page |
|--|-------|
| ◆ Block Identification of Main PCB - - - - - | 11-2 |
| 11-1 S.M.P.S/Power (Only for Mono Models) - - - - - | 11-3 |
| 11-2 S.M.P.S/Power (Only for Hi-Fi Models) - - - - - | 11-4 |
| 11-3 System Control/Servo - - - - - | 11-5 |
| 11-4 Audio/Video (SV-610X/614B/480G/470G) - - - - - | 11-6 |
| 11-5 Audio/Video (SV-210X/210B) - - - - - | 11-7 |
| 11-6 Hi-Fi (Only for SV-610X/614B) - - - - - | 11-8 |
| 11-7 IF - - - - - | 11-9 |
| 11-8 I/O - - - - - | 11-10 |
| 11-9 SUB (A2) ; Only for SV-610X - - - - - | 11-11 |
| 11-10 SUB (NICAM) ; Only for SV-614B - - - - - | 11-12 |
| 11-11 VPS/PDC - - - - - | 11-13 |
| 11-12 Function-Timer - - - - - | 11-14 |
| 11-13 Remote-Control - - - - - | 11-15 |
| 11-14 Remote-Control (Only for SV-614B/480G) - - - - - | 11-16 |

Note

For schematic Diagram
 - Resistors are in ohms, 1/8W unless otherwise noted.

Special note :

Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

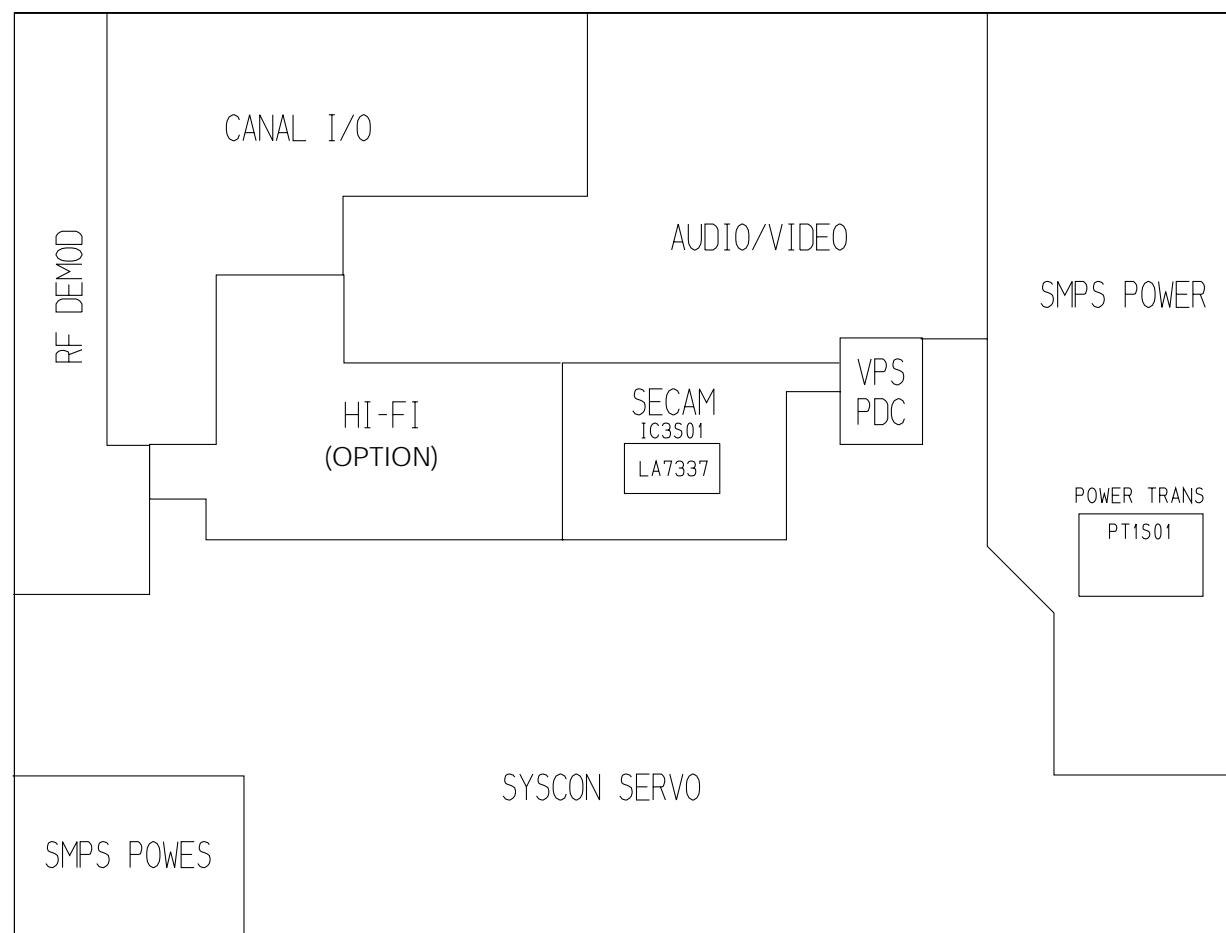
Note :

Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

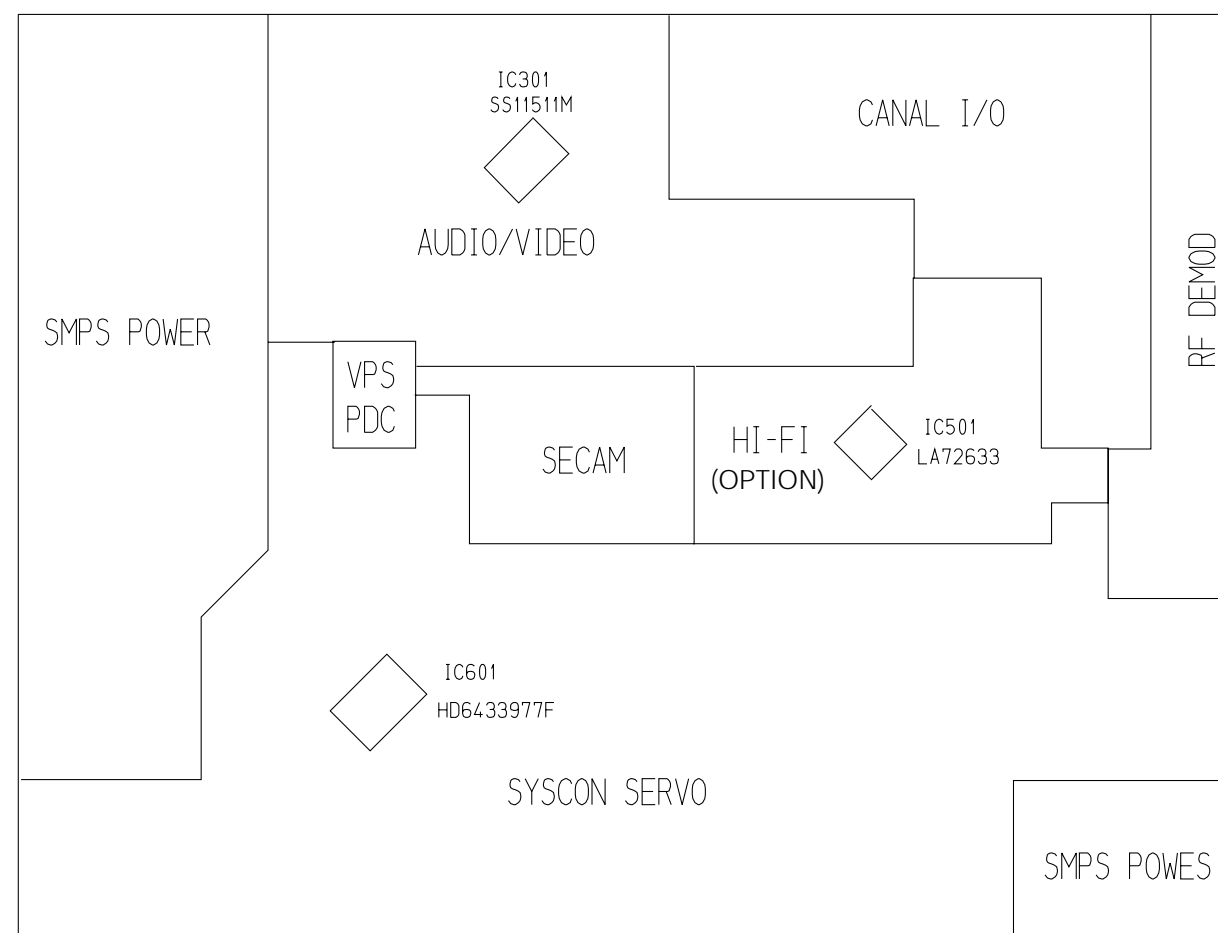
Important safety notices :

Components identified with the mark \triangle have the special characteristics for safety. When replacing any of these components. Use only the same type.

◆ **Block Identification of Main PCB**

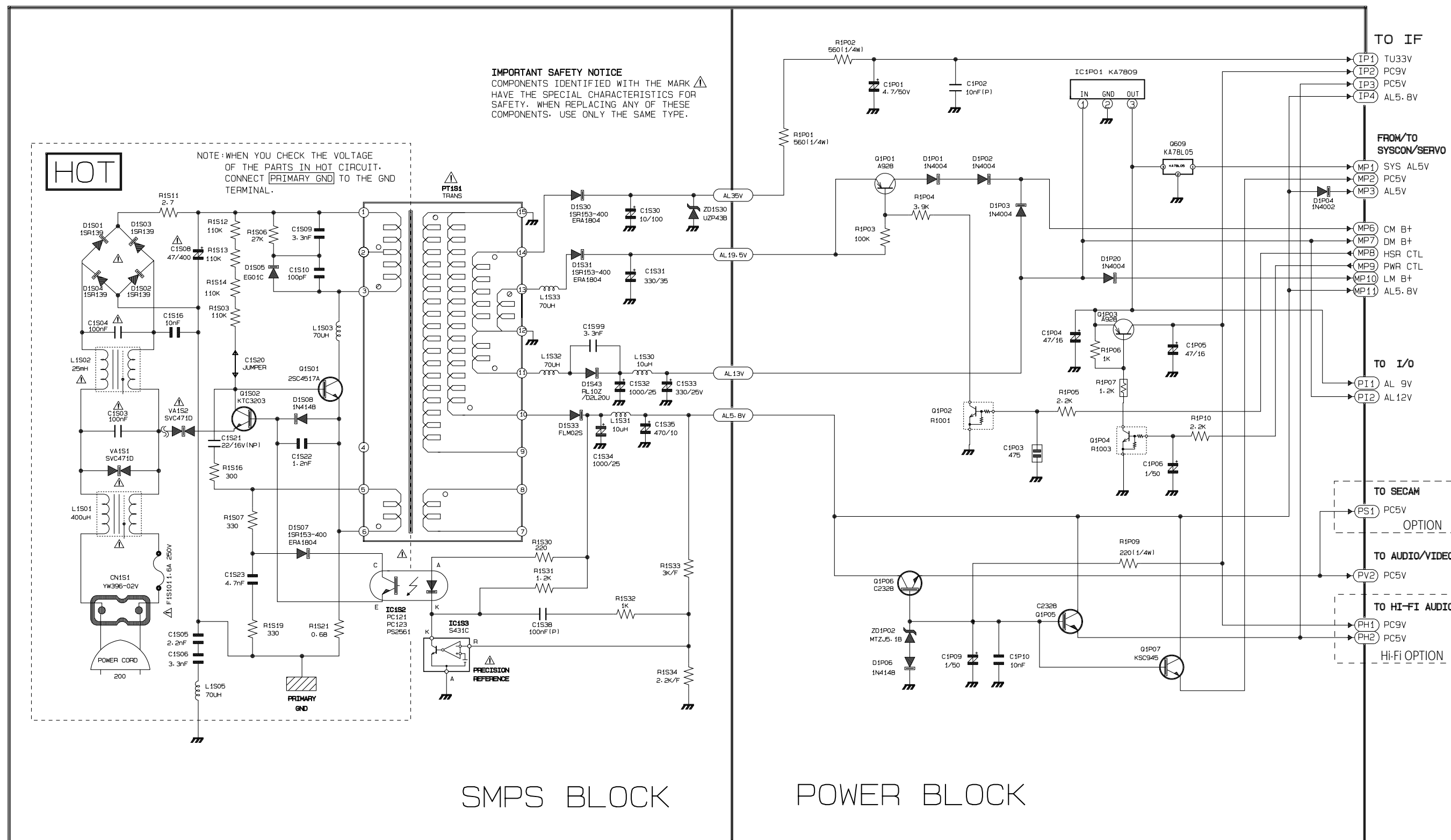


(Component Side)

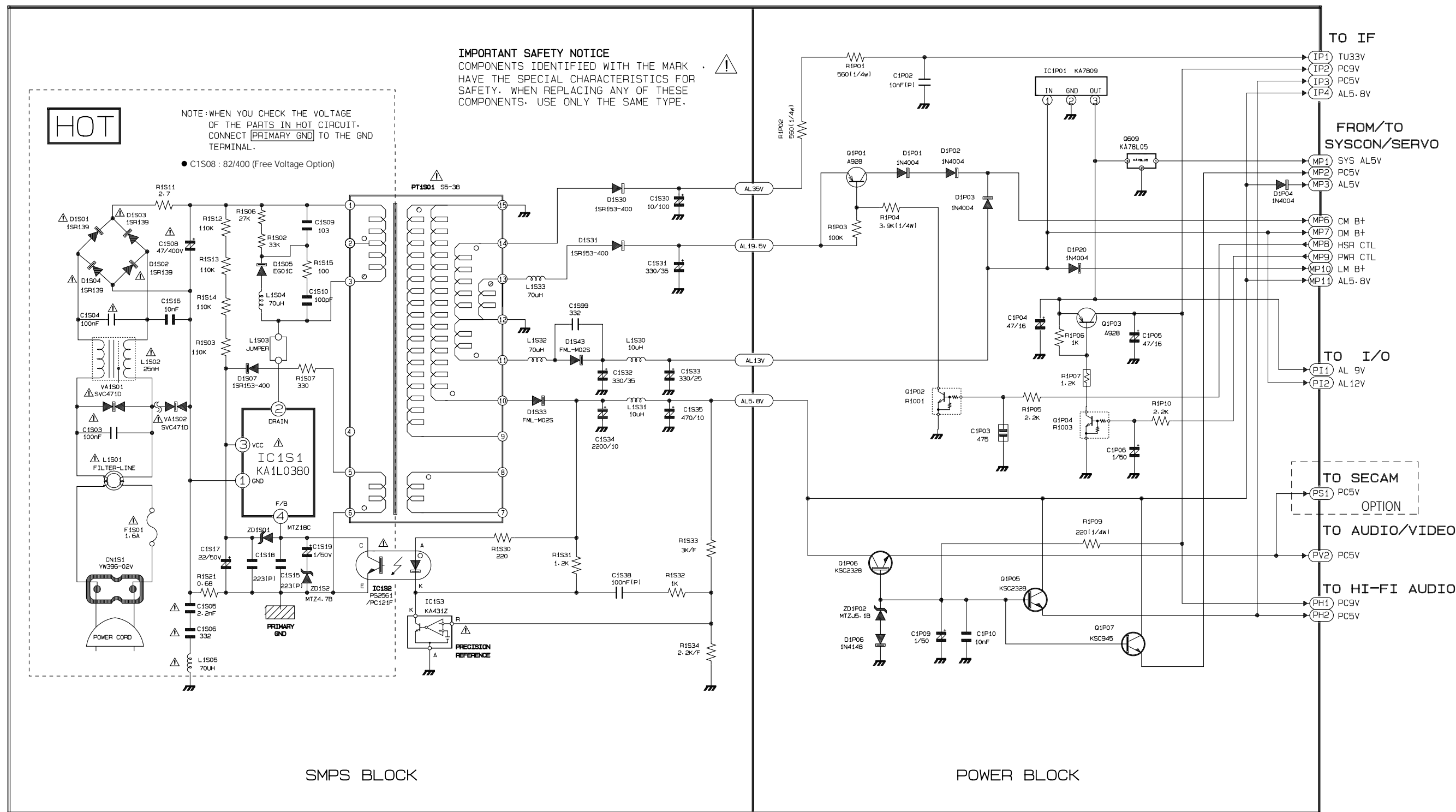


(Conductor Side)

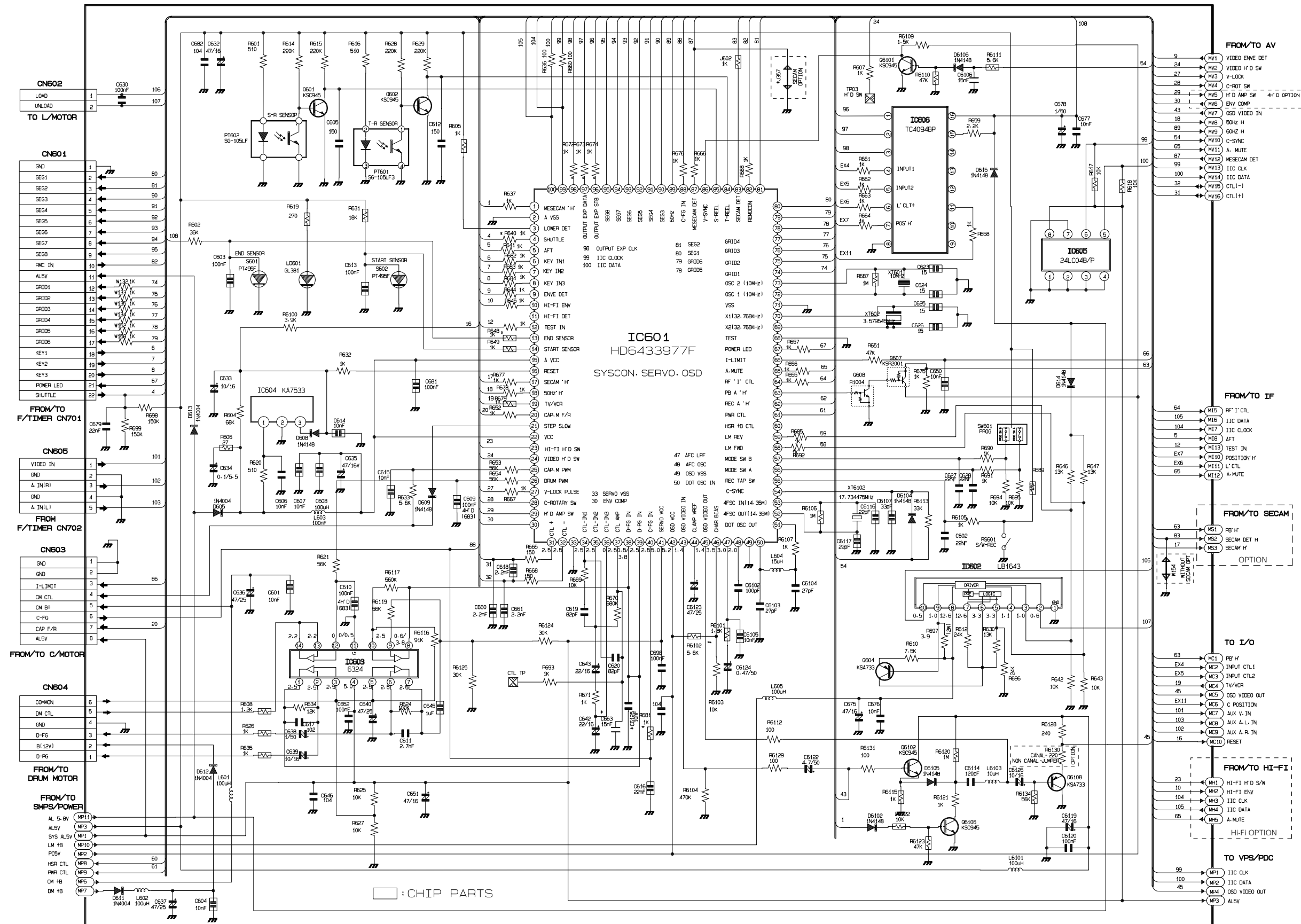
11-1 S.M.P.S/POWER (Only for Mono Models)



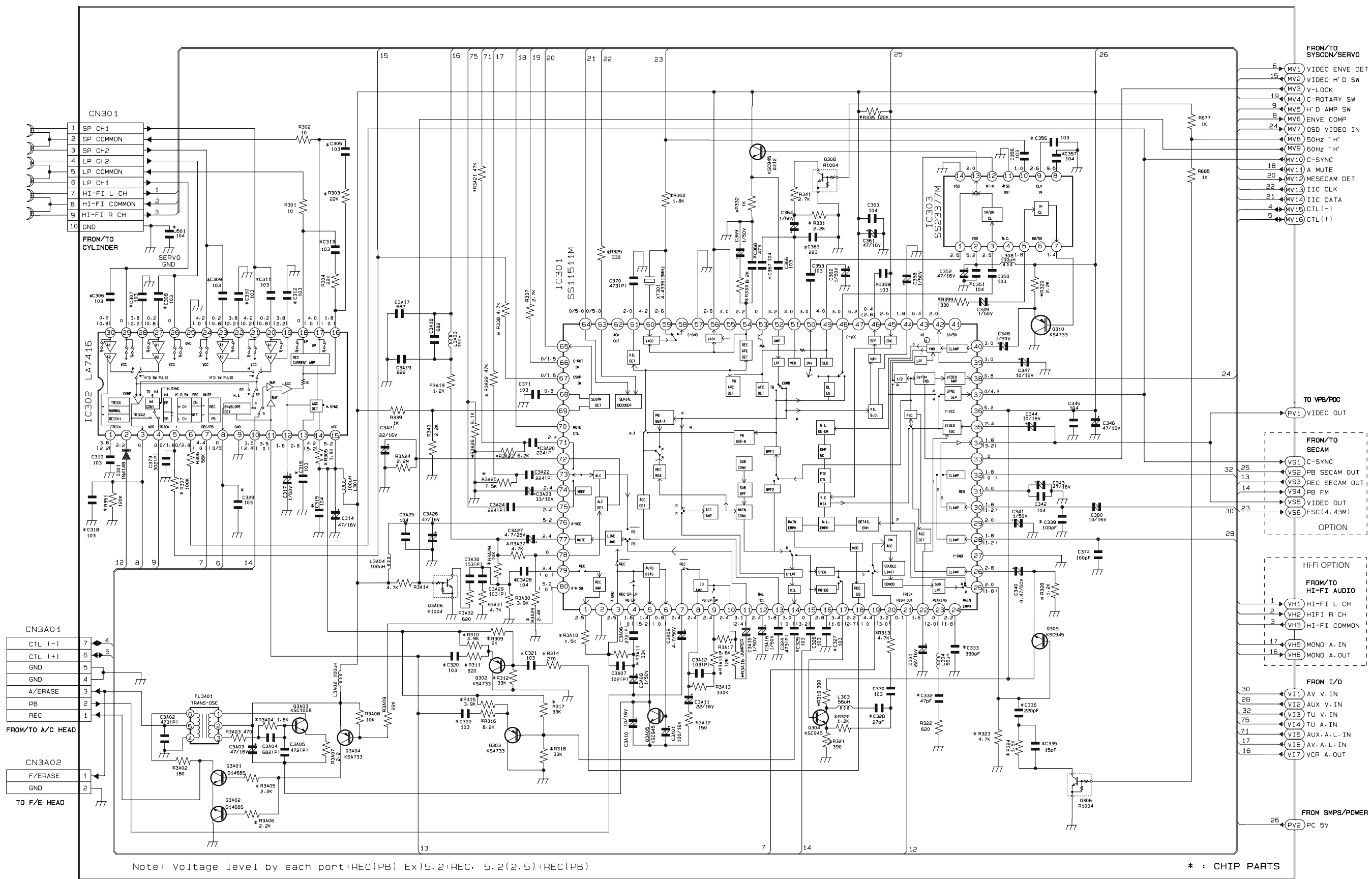
11-2 S.M.P.S/POWER (Only for Hi-Fi Models)



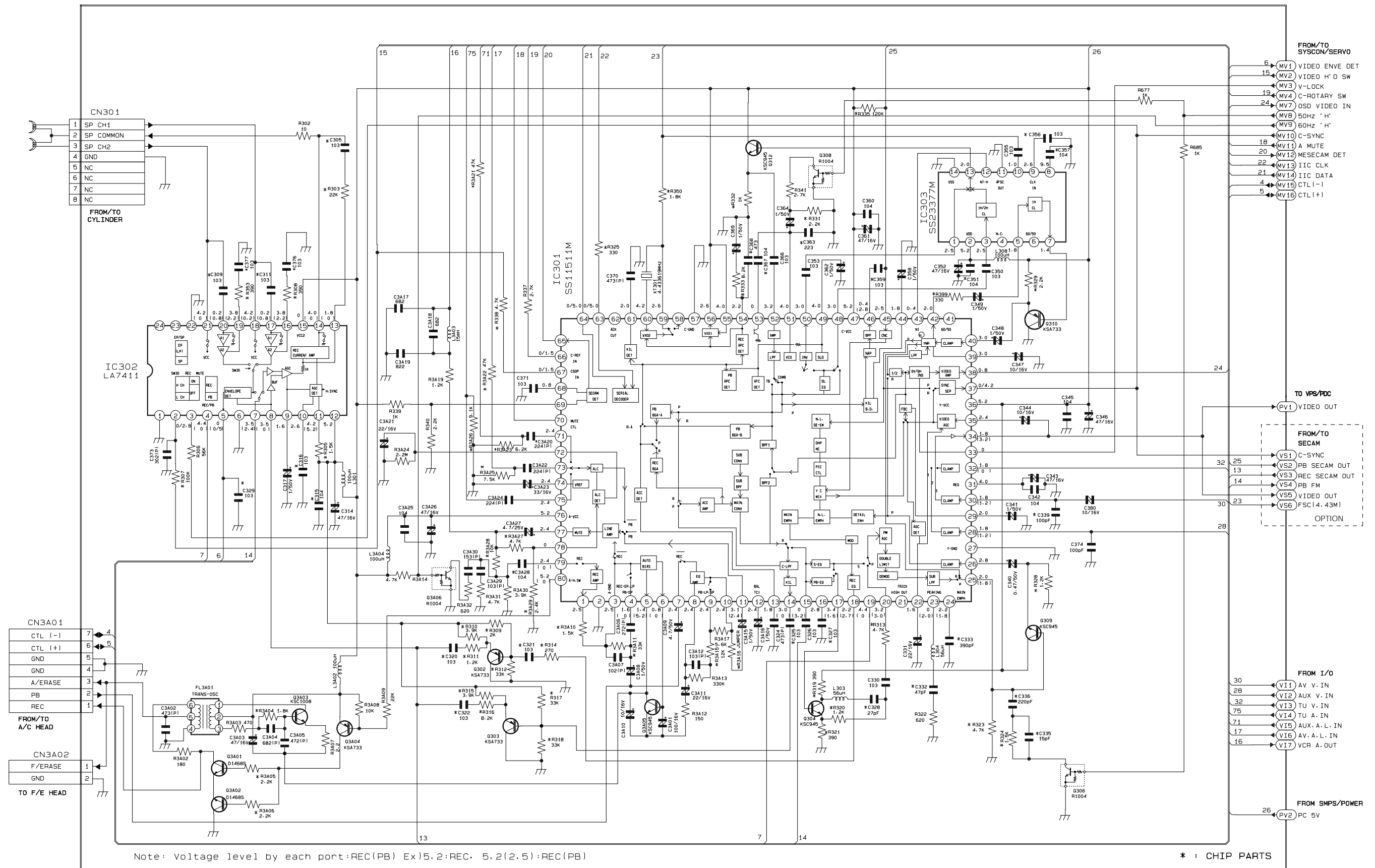
11-3 System Control/Servo



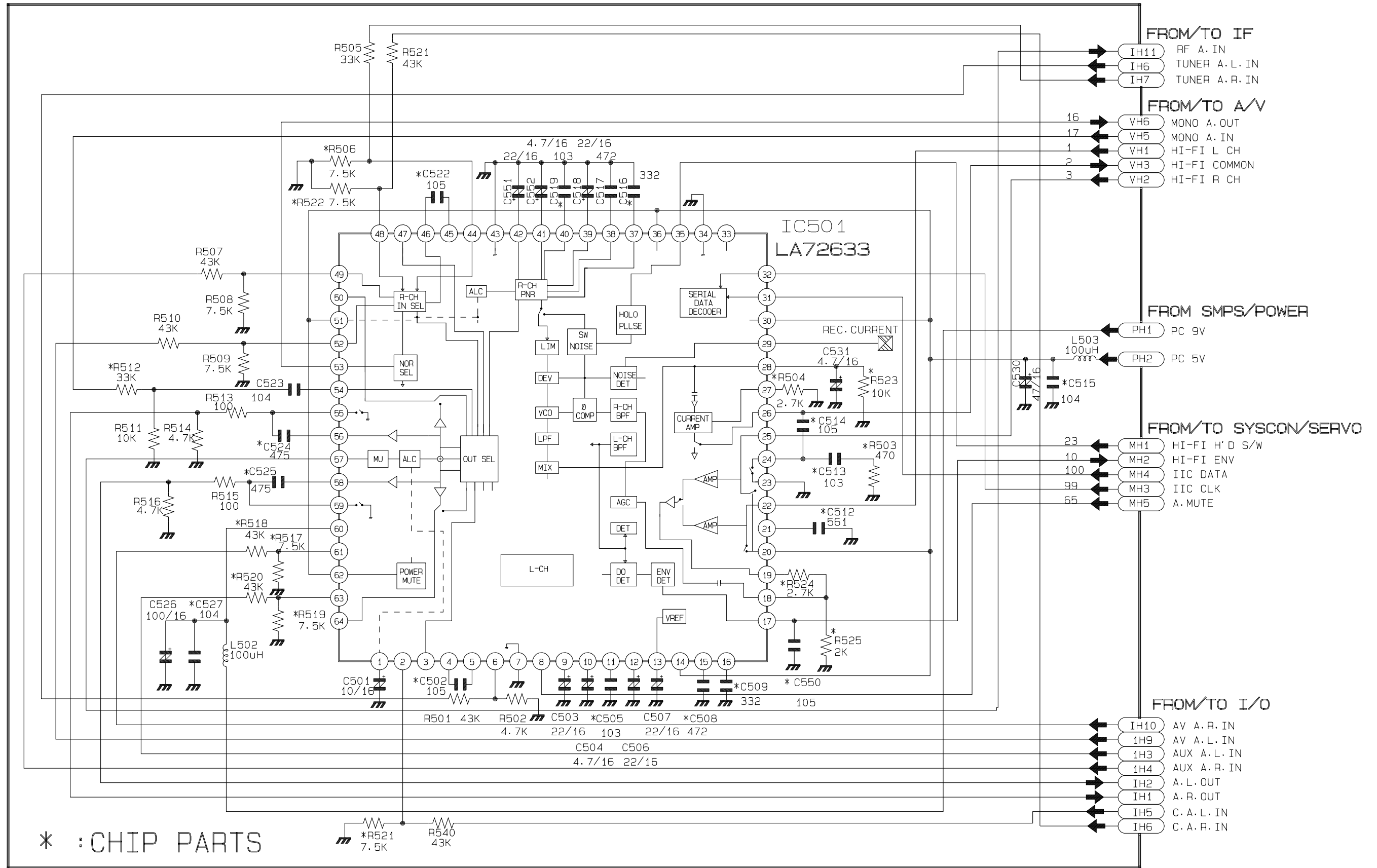
11-4 Audio/Video (SV-610X/614B/480G/470G)



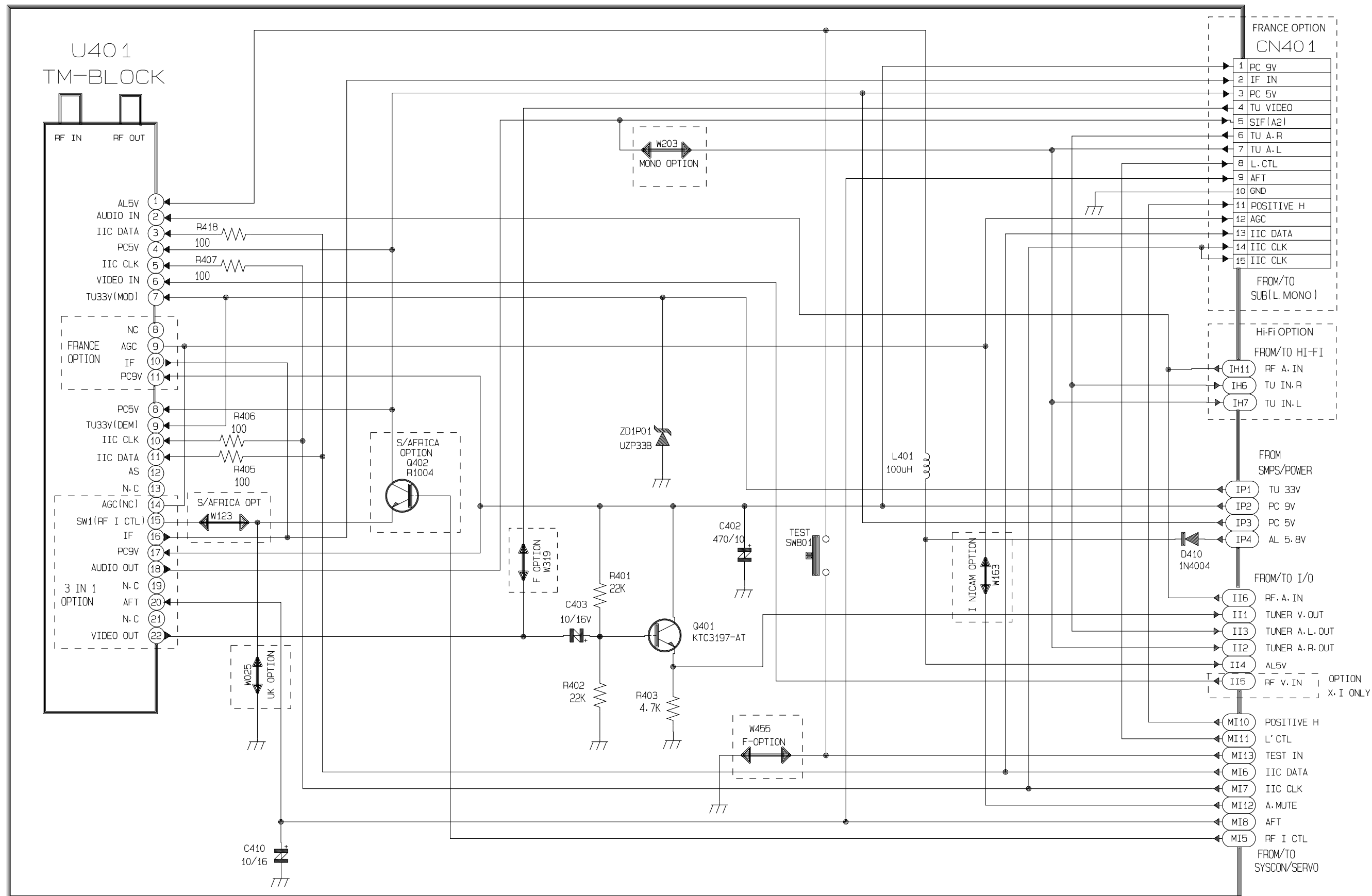
11-5 Audio/Video (SV-210X/210B)



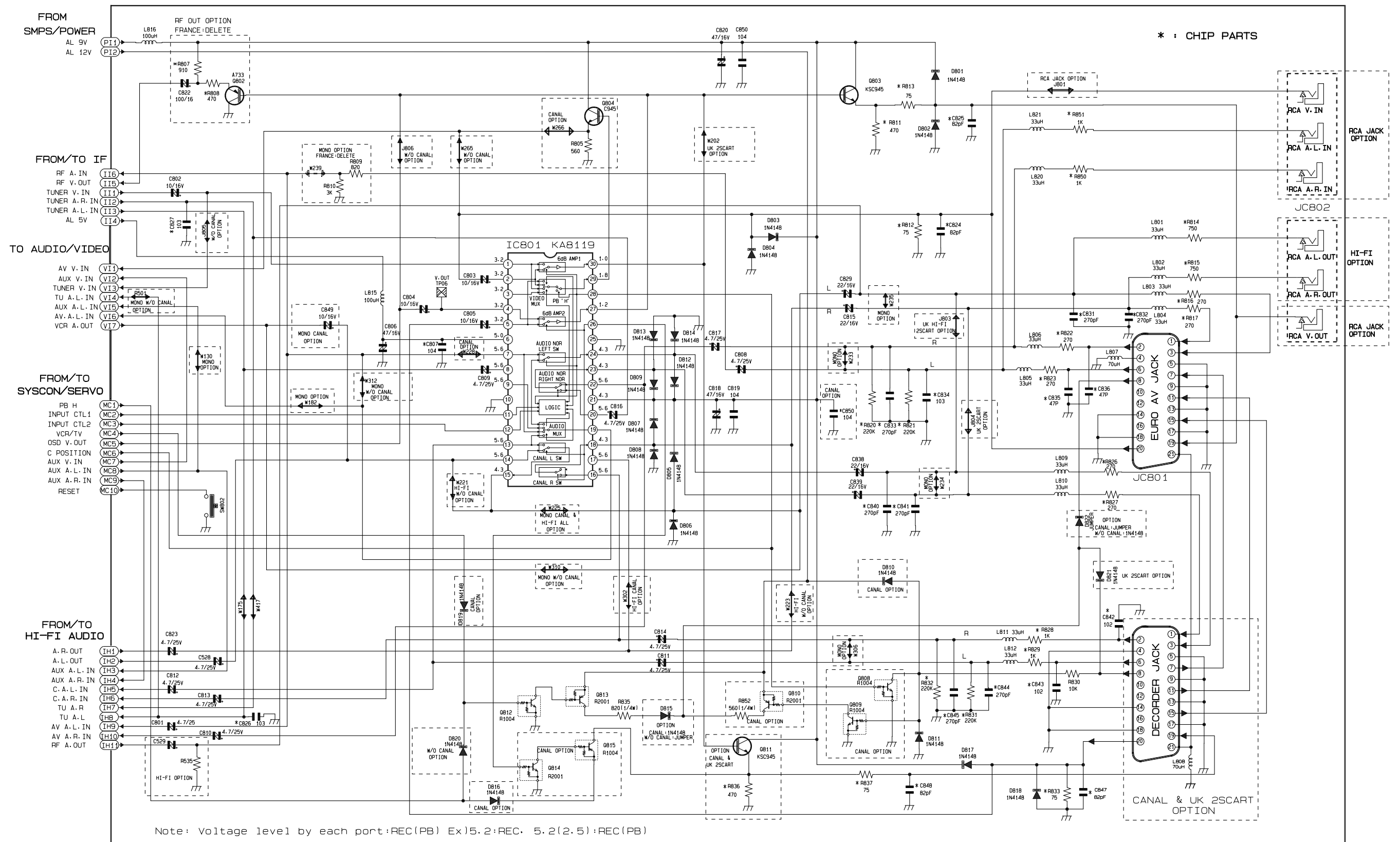
11-5 Hi-Fi (Only for SV-610X/614B)



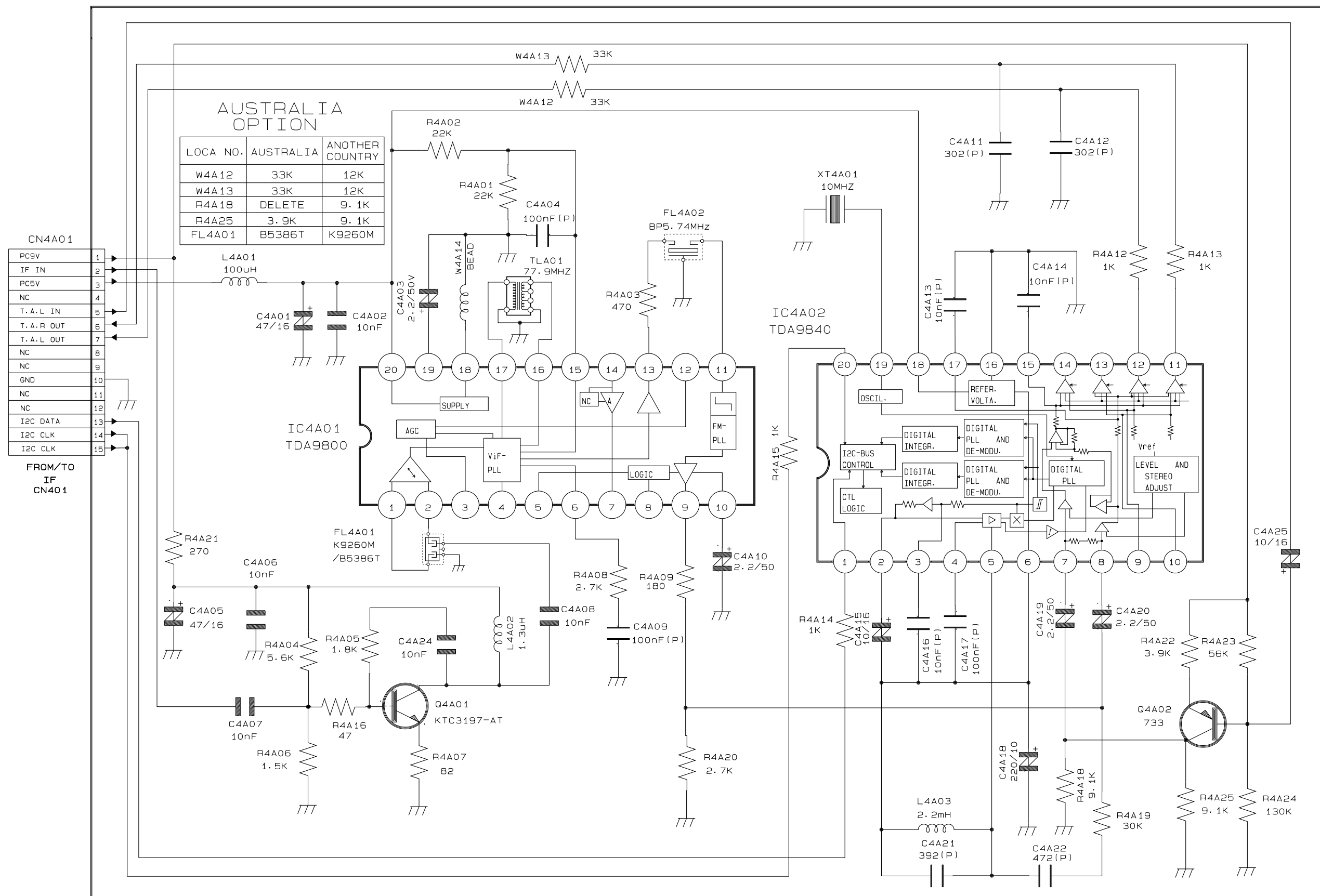
11-7 IF



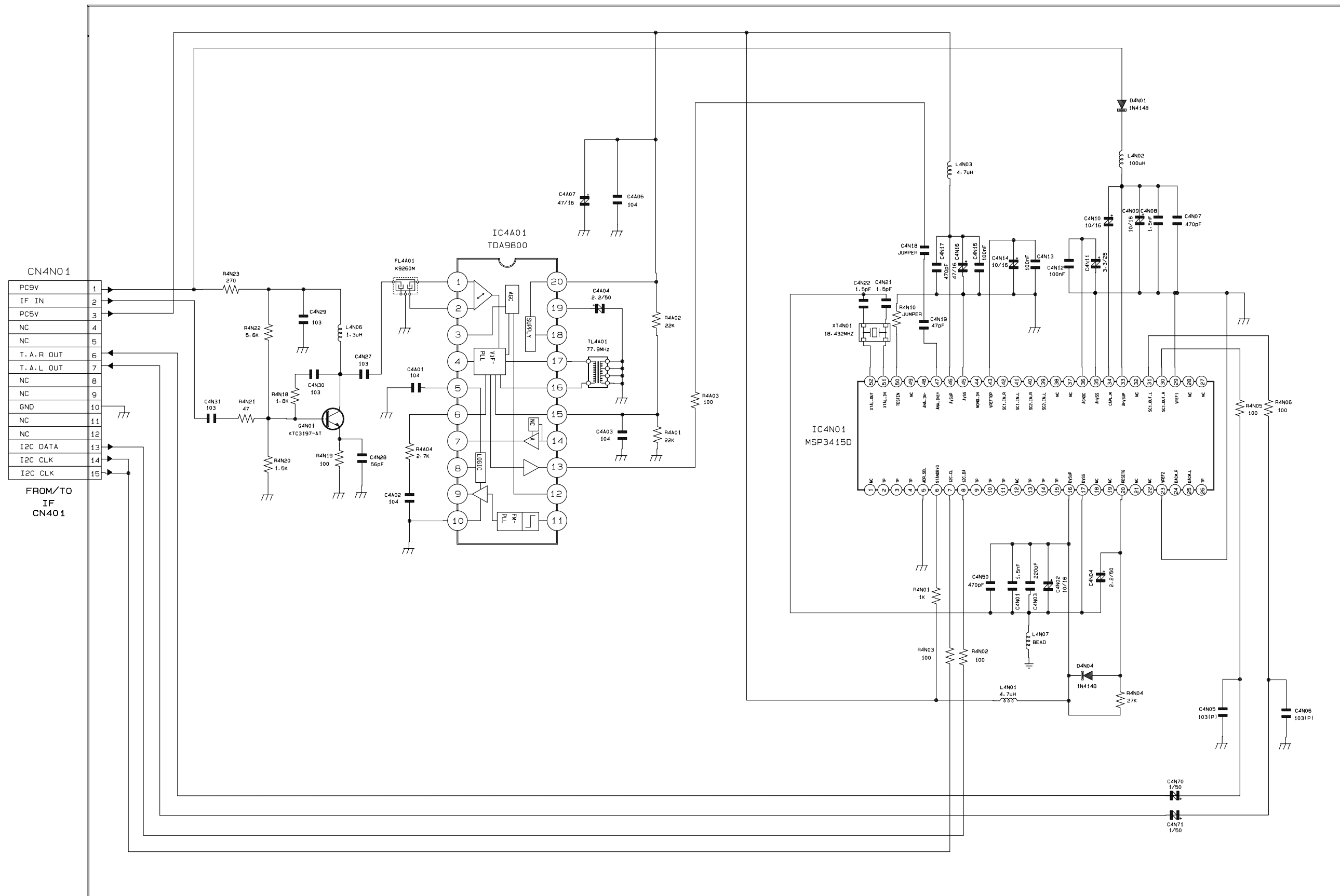
11-8 I/O



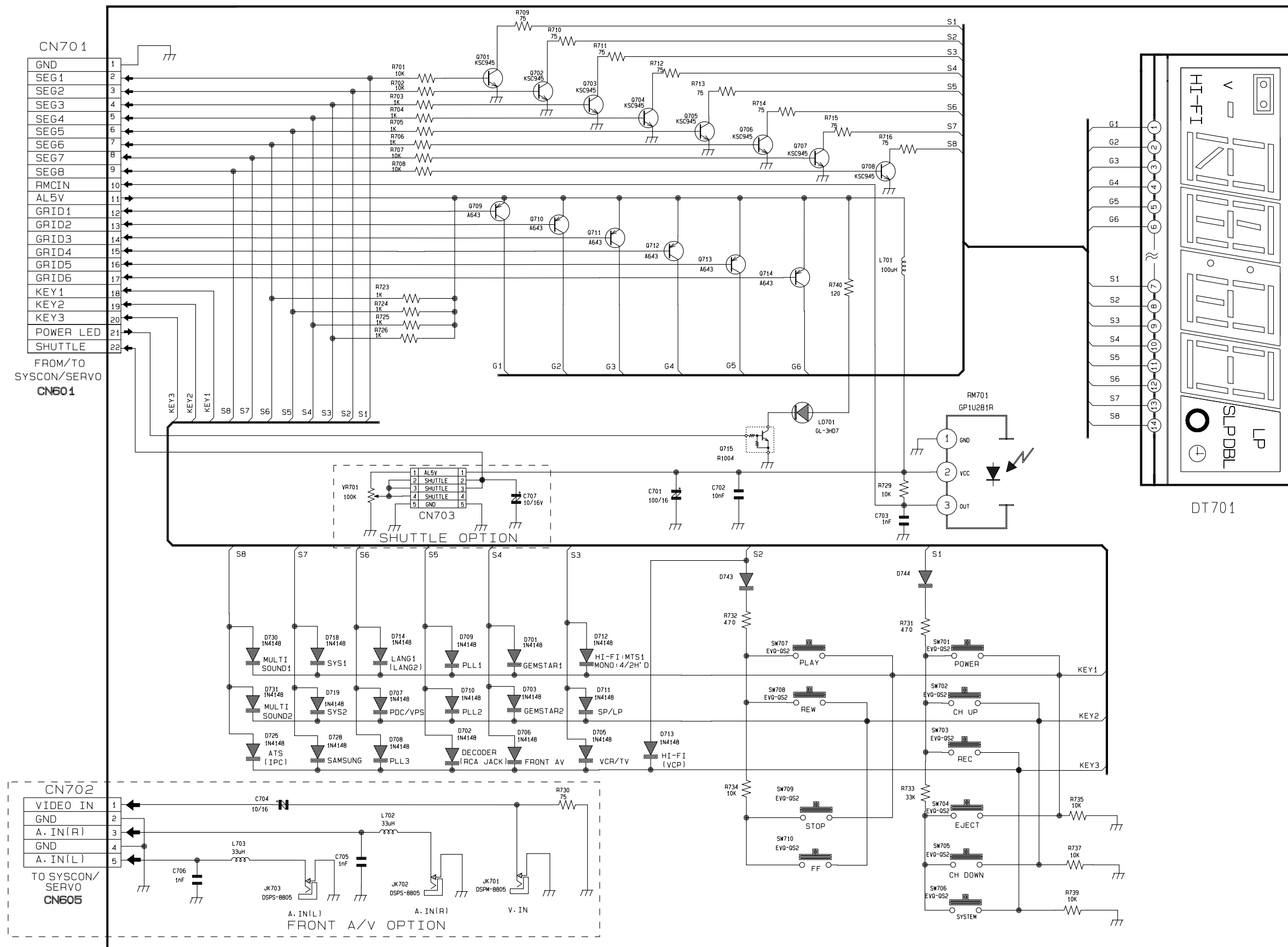
11-9 SUB (A2) ; Only for SV-610X



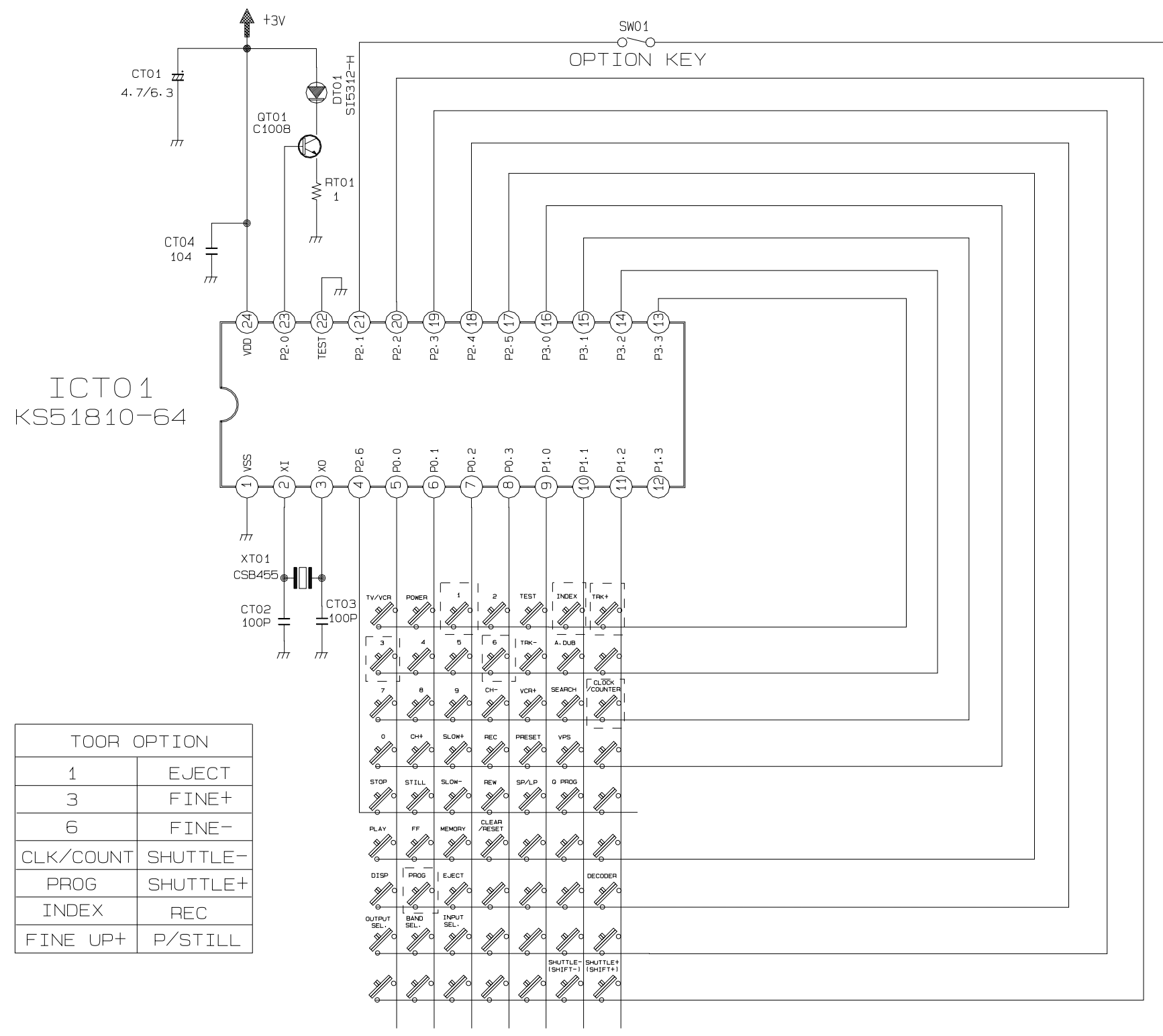
11-10 SUB (NICAM) ; Only for SV-614B



11-12 Function-Timer

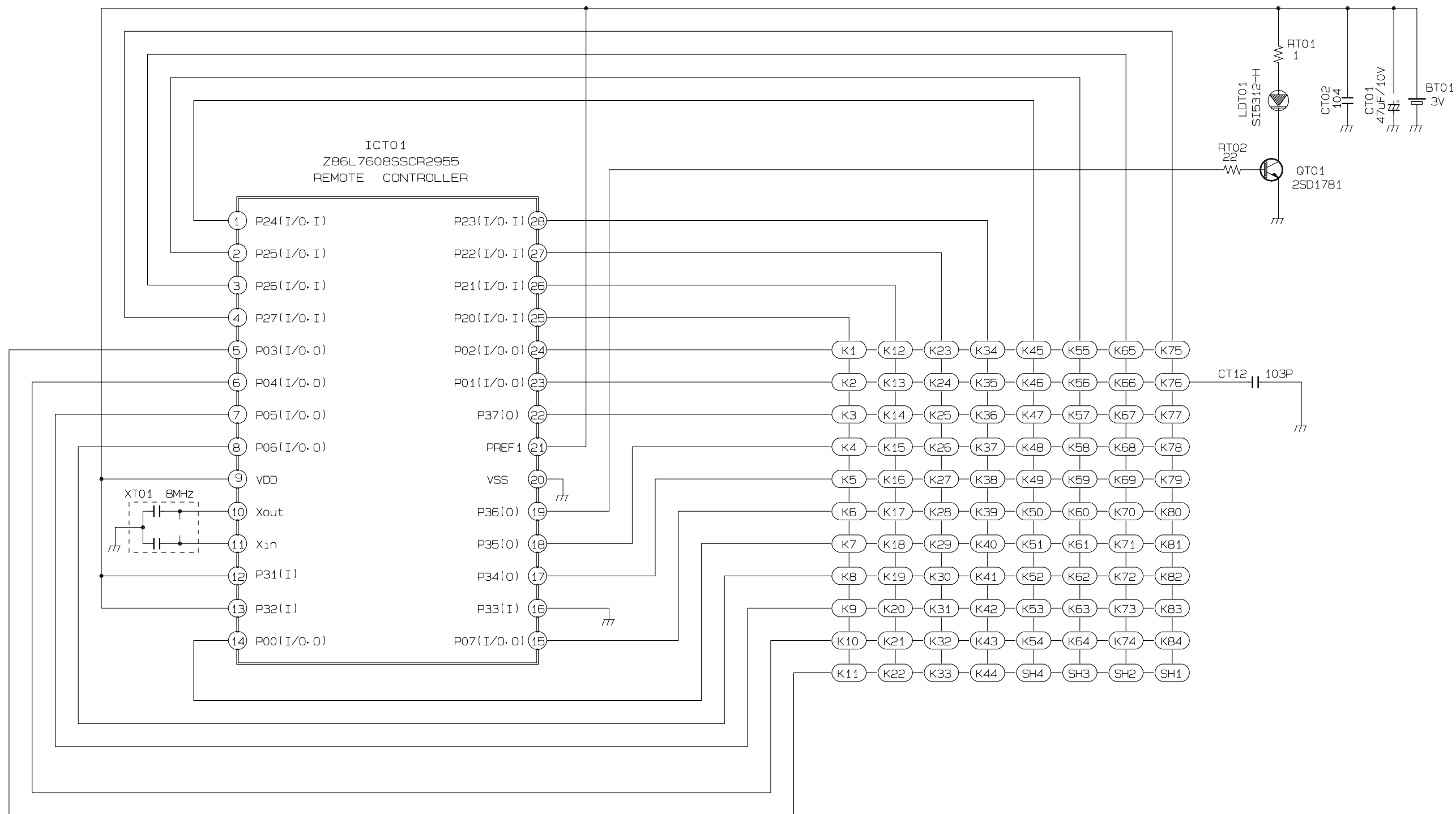


11-13 Remote-Control



| TOOR OPTION | |
|-------------|----------|
| 1 | EJECT |
| 3 | FINE+ |
| 6 | FINE- |
| CLK/COUNT | SHUTTLE- |
| PROG | SHUTTLE+ |
| INDEX | REC |
| FINE UP+ | P/STILL |

11-14 Remote-Control (Only for SV-614B/480G)



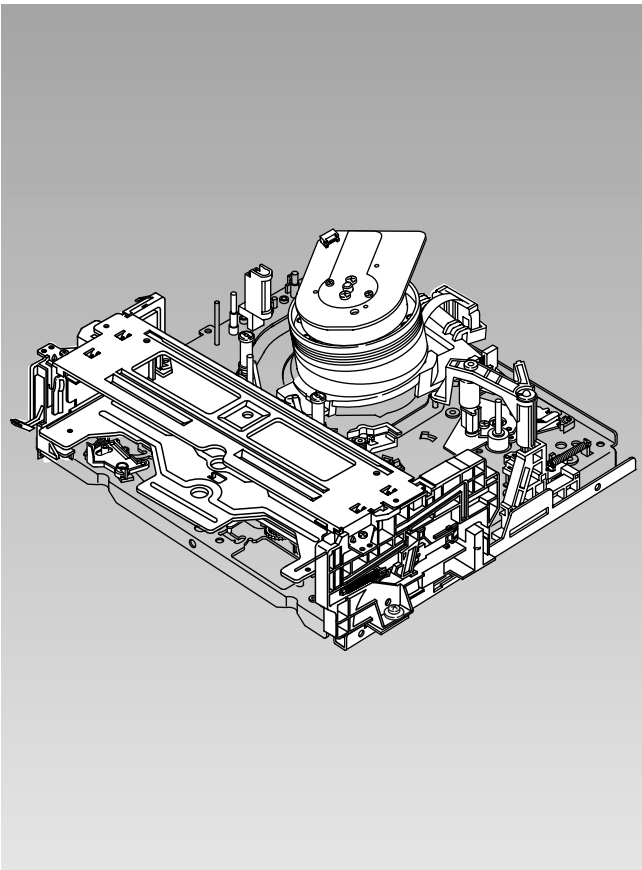
DX7-A/DX7-AC DX8-A/DX8-AC



MECHANICAL *Manual*

◆ File with the SERVICE MANUAL.

VHS DECK



CONTENTS

1. Disassembly and Reassembly
2. Alignment and Adjustment

1. Disassembly and Reassembly

1-1 Deck Parts Locations

1-1-1 Deck (Top View)

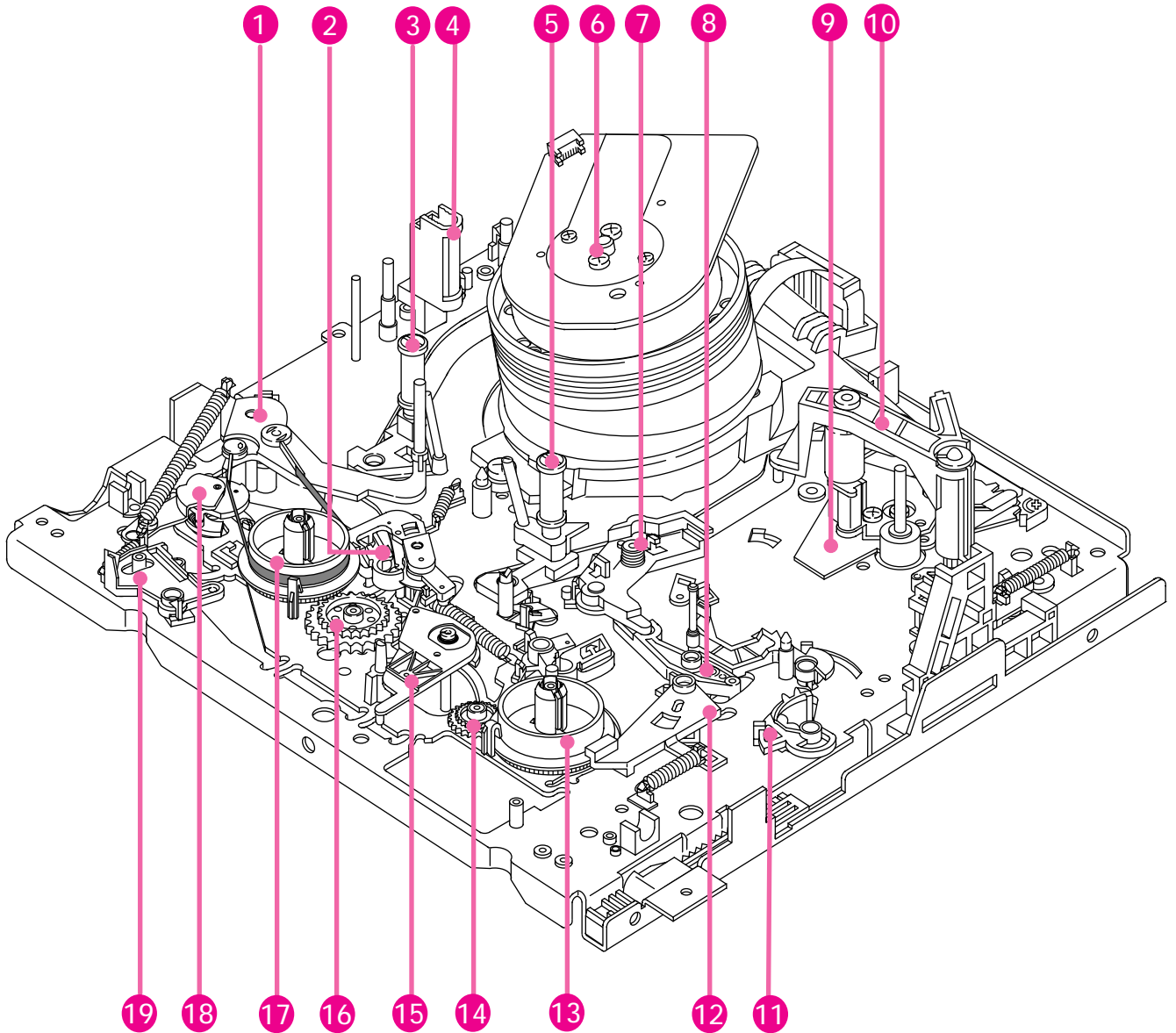


Fig. 1-1 Deck Top Parts Location (DX7-A/DX8-A DECK ONLY)

- | | | |
|---------------------------|-----------------------------|--|
| 1. ARM TENSION FULL ASS'Y | 9. FULL ACE HEAD ASS'Y | 17. REEL DISK "L" ASS'Y |
| 2. BRAKE MAIN "L" ASS'Y | 10. UNIT PINCH ROLLER ASS'Y | 18. LEVER JOG ASS'Y (DX8-A/AC ONLY) |
| 3. GUIDE ROLLER ASS'Y "T" | 11. LEVER REVIEW | 19. LEVER REC SWITCH |
| 4. FULL ERASE HEAD | 12. BRAKE SUB "R" ASS'Y | |
| 5. GUIDE ROLLER ASS'Y "S" | 13. REEL DISK "R" ASS'Y | |
| 6. CYLINDER ASS'Y | 14. GEAR RELAY "T" ASS'Y | |
| 7. LEVER PINCH COMP ASS'Y | 15. IDLER ASS'Y | |
| 8. LEVER PINCH CAM | 16. GEAR RELAY "S" ASS'Y | |

1-1-2 Deck (Top View)

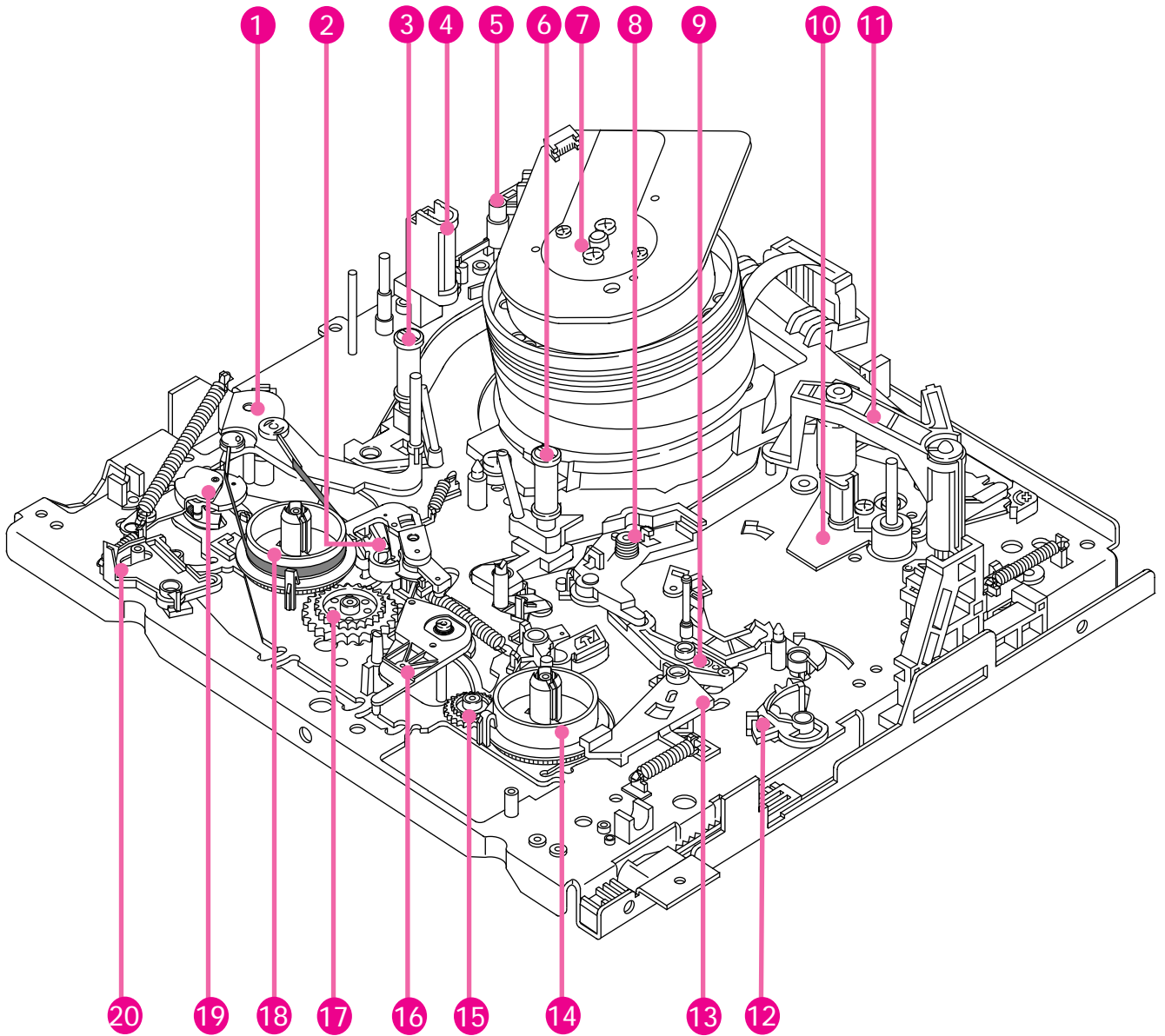


Fig. 1-2 Deck Top Parts Location (DX7-AC/DX8-AC DECK ONLY)

- | | | |
|---|-----------------------------|--|
| 1. ARM TENSION FULL ASS'Y | 8. LEVER PINCH COMP ASS'Y | 16. IDLER ASS'Y |
| 2. BRAKE MAIN "L" ASS'Y | 9. LEVER PINCH CAM | 17. GEAR RELAY "S" ASS'Y |
| 3. GUIDE ROLLER ASS'Y "T" | 10. FULL ACE HEAD AAS'Y | 18. REEL DISK "L" ASS'Y |
| 4. FULL ERASE HEAD | 11. UNIT PINCH ROLLER ASS'Y | 19. LEVER JOG ASS'Y (DX8-A/AC ONLY) |
| 5. HEAD CLEANER ASS'Y (DX7-AC/DX8-AC ONLY) | 12. LEVER REVIEW | 20. LEVER REC SWITCH |
| 6. GUIDE ROLLER ASS'Y "S" | 13. BRAKE SUB "R" ASS'Y | |
| 7. CYLINDER ASS'Y | 14. REEL DISK "R" ASS'Y | |
| | 15. GEAR RELAY "T" ASS'Y | |

1-1-3 Deck (Bottom View)

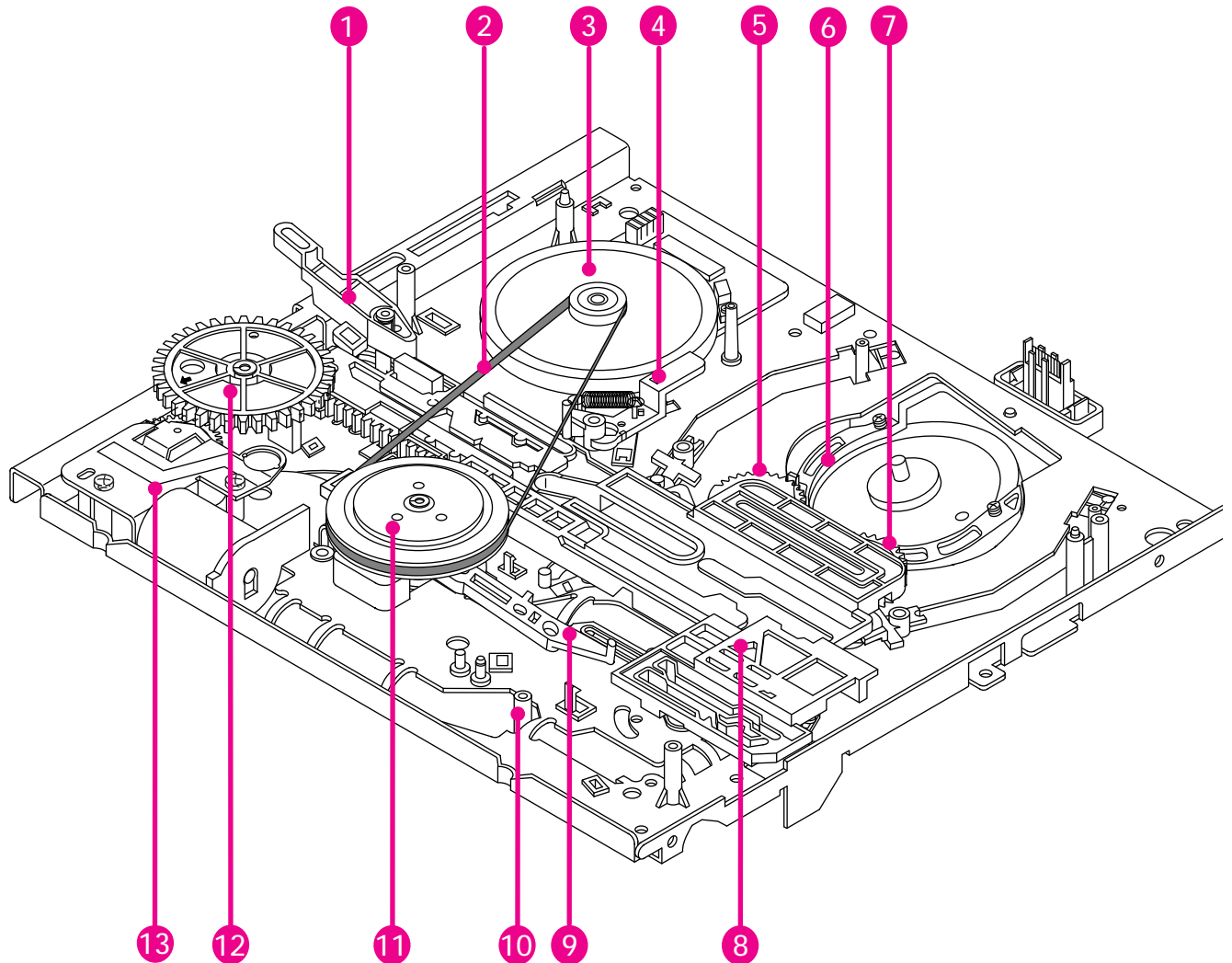


Fig. 1-3 Deck Bottom Parts Location

- | | |
|---------------------------|------------------------|
| 1. LEVER SLIDE PINCH | 8. SLIDE MAIN |
| 2. BELT CAPSTAN | 9. LEVER REC SWITCH |
| 3. MOTOR D.D CAPSTAN | 10. LEVER IDLER CHANGE |
| 4. BRAKE CAPSTAN ASS'Y | 11. CLUTCH ASS'Y |
| 5. GEAR LOADING "R" ASS'Y | 12. UNIT LOADING |
| 6. MOTOR CYLINDER | 13. GEAR MASTER |
| 7. GEAR LOADING "L" ASS'Y | |

1-1-4 Housing

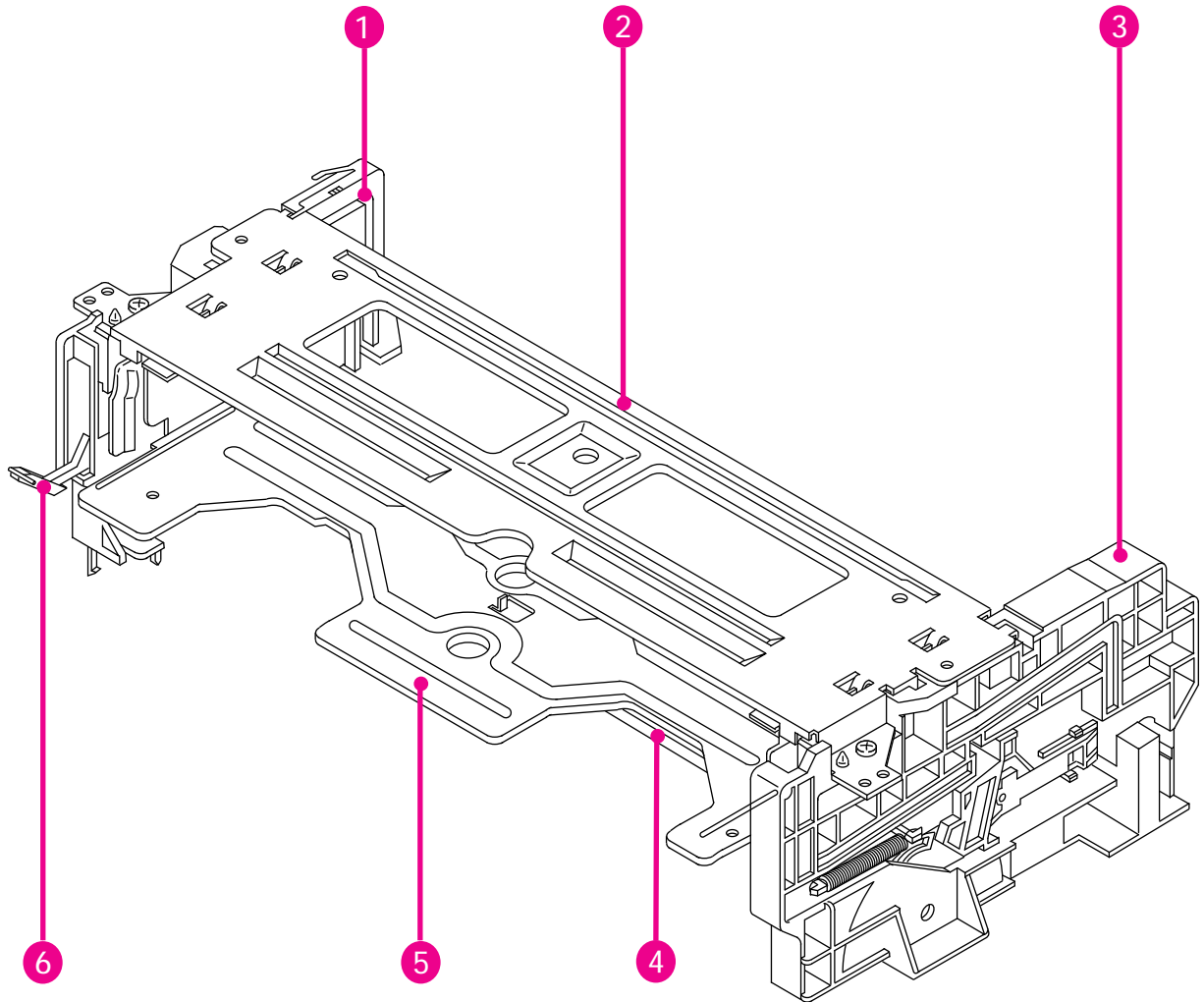


Fig. 1-4 Housing Parts Location

1. CHASSIS SIDE "L" ASS'Y
2. UPPER CHASSIS
3. CHASSIS SIDE "R" ASS'Y
4. SHAFT ARM ASS'Y
5. HOLDER CASSETTE ASS'Y
6. LEVER DOOR

1-2 Housing Assembly

1-2-1 Removal from Main Base

1. Remove 3 Screws ①.
2. Lift the Housing Ass'y in the direction of arrow "B", while pushing the tab ② in the direction of arrow "A".
(Refer to detail drawing)

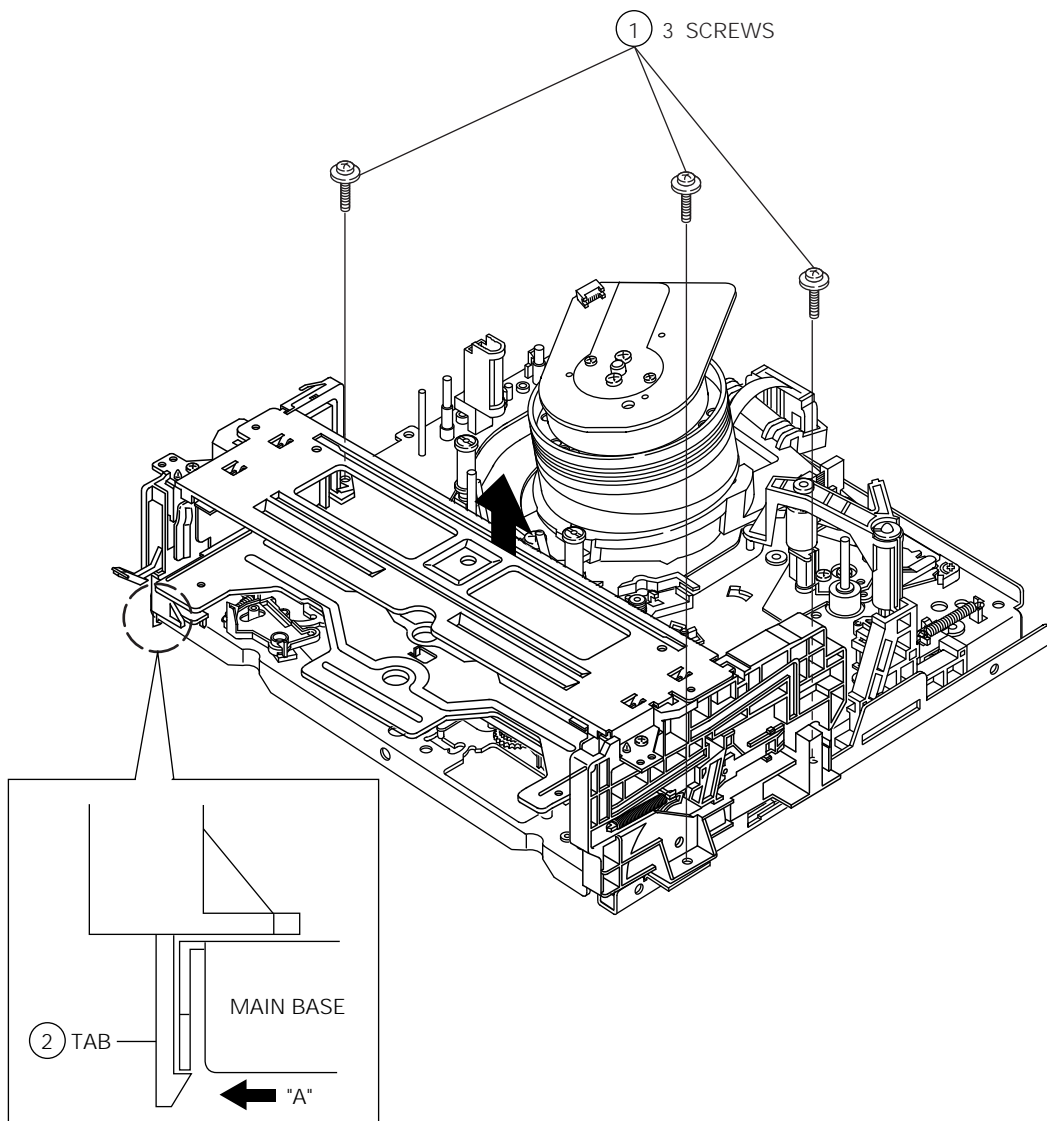


Fig. 1-5 Housing Ass'y Removal from Main Base

1-2-2 Disassembly

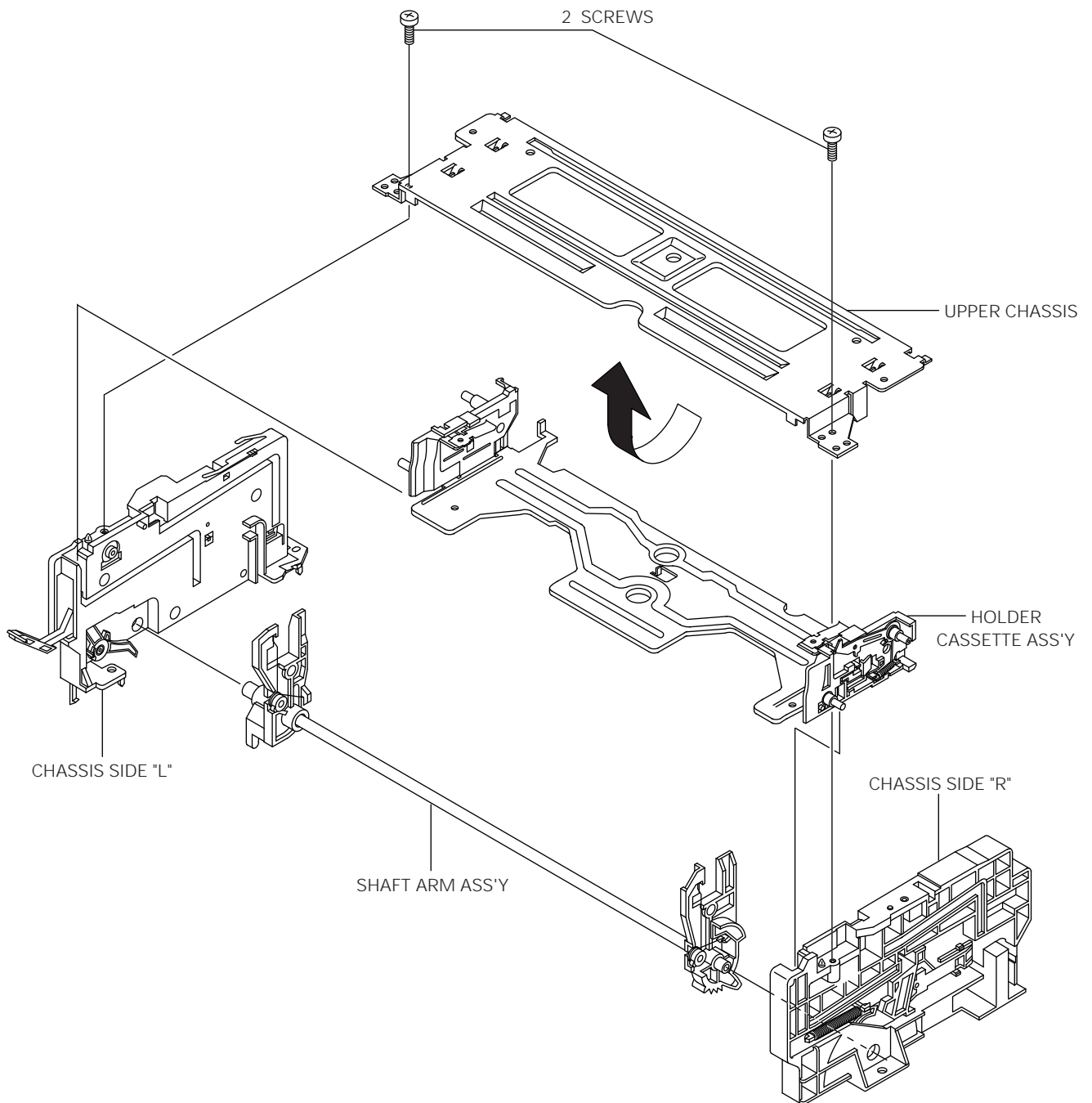


Fig. 1-6 Housing Ass'y Removal

1-2-3 Upper Chassis Removal

1. Remove 2 Screws ①.
2. Lift the Upper Chassis ② in the direction of arrow "A".

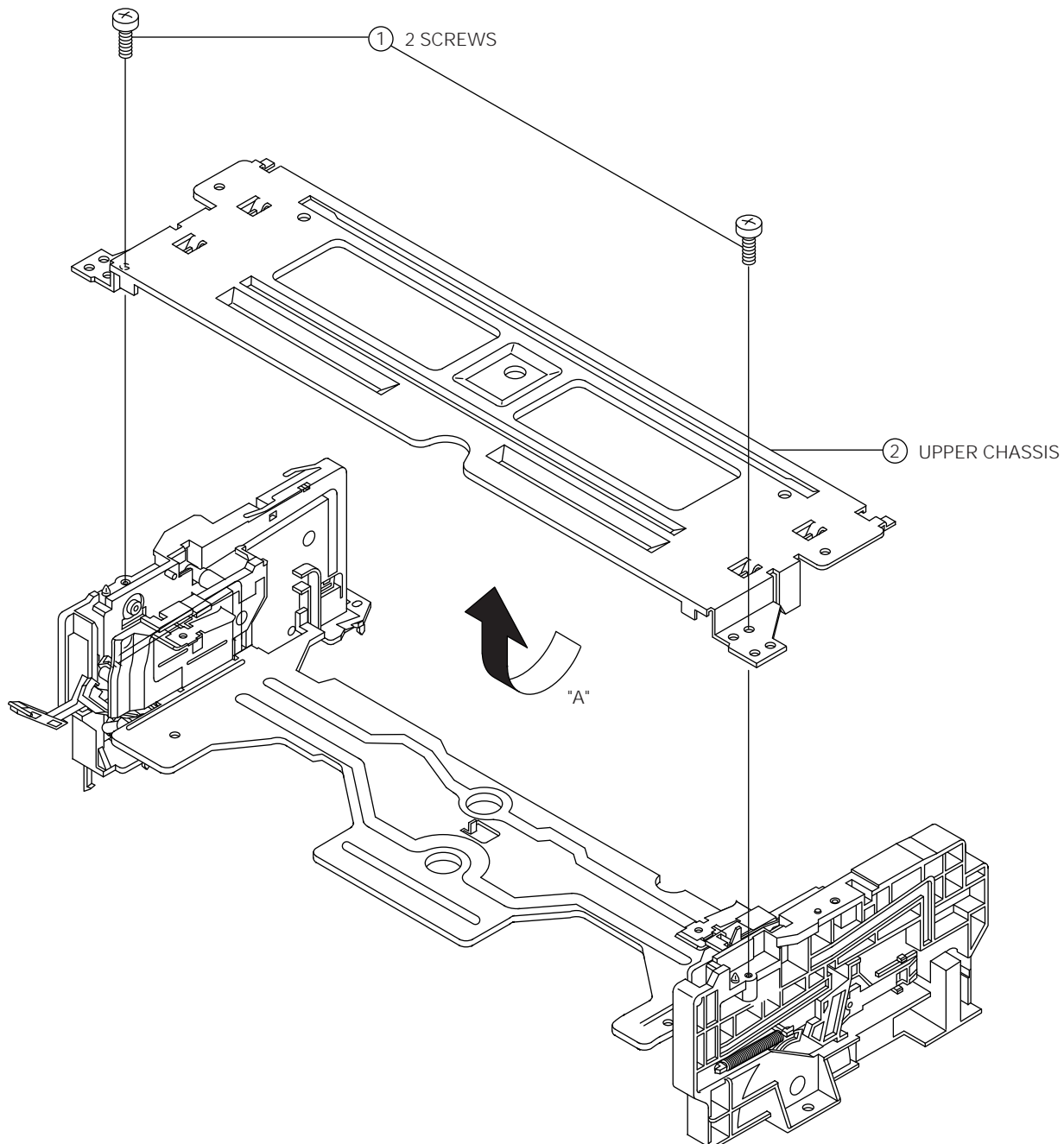


Fig. 1-7 Upper Chassis Removal

1-2-4 Holder Cassette Ass'y and Chassis Side L/R Removal

1. Lift the Cassette Holder ① in the direction of arrow "A" (Refer to Fig. A).
2. Remove the Side Chassis "L" ② and "R" ③ from Arm Shaft Ass'y ④ in the direction of arrow "B", "C" (Refer to Fig. B).

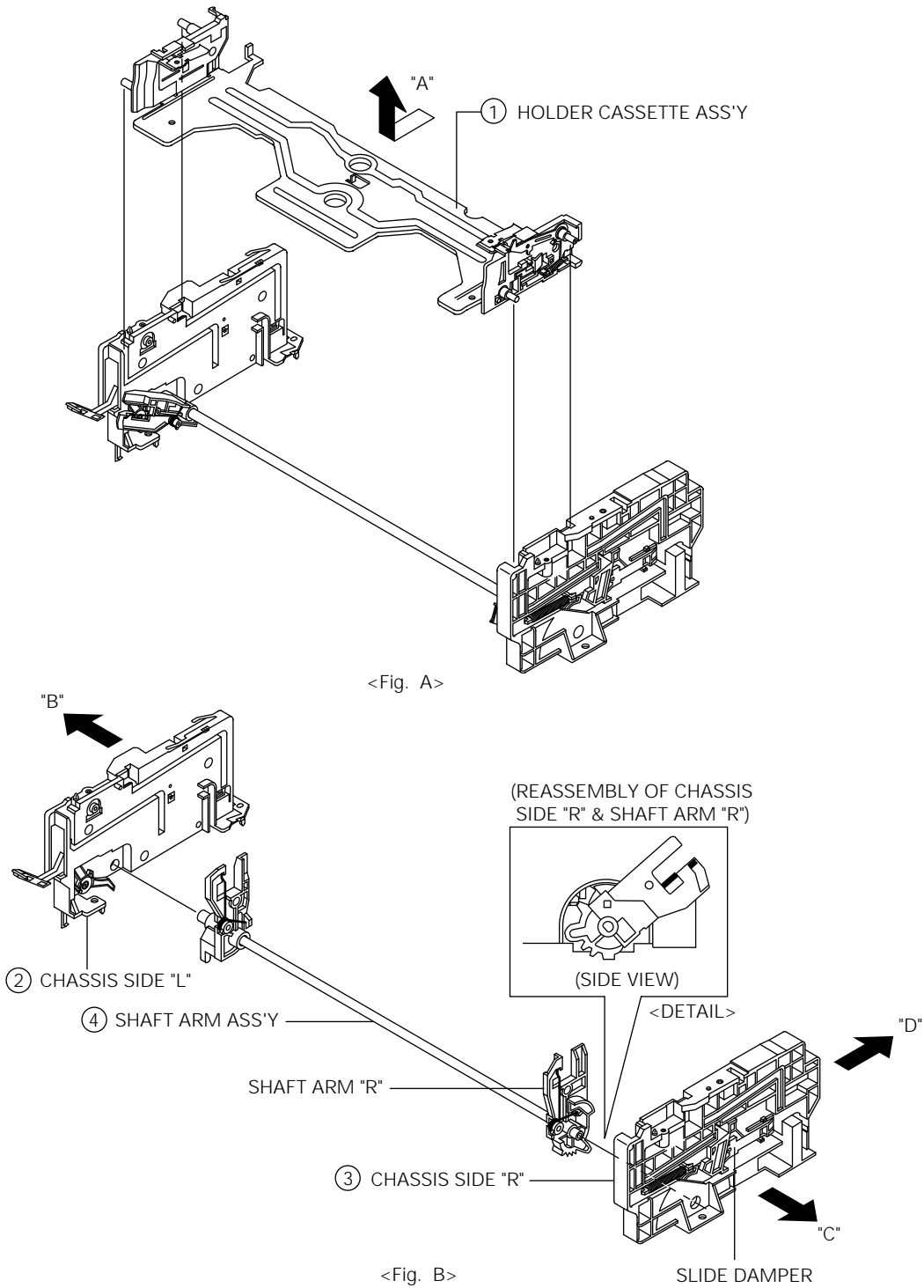


Fig. 1-8 Holder Cassette Ass'y and Chassis Side L/R

1-2-5 Chassis Side "R" Parts Locations

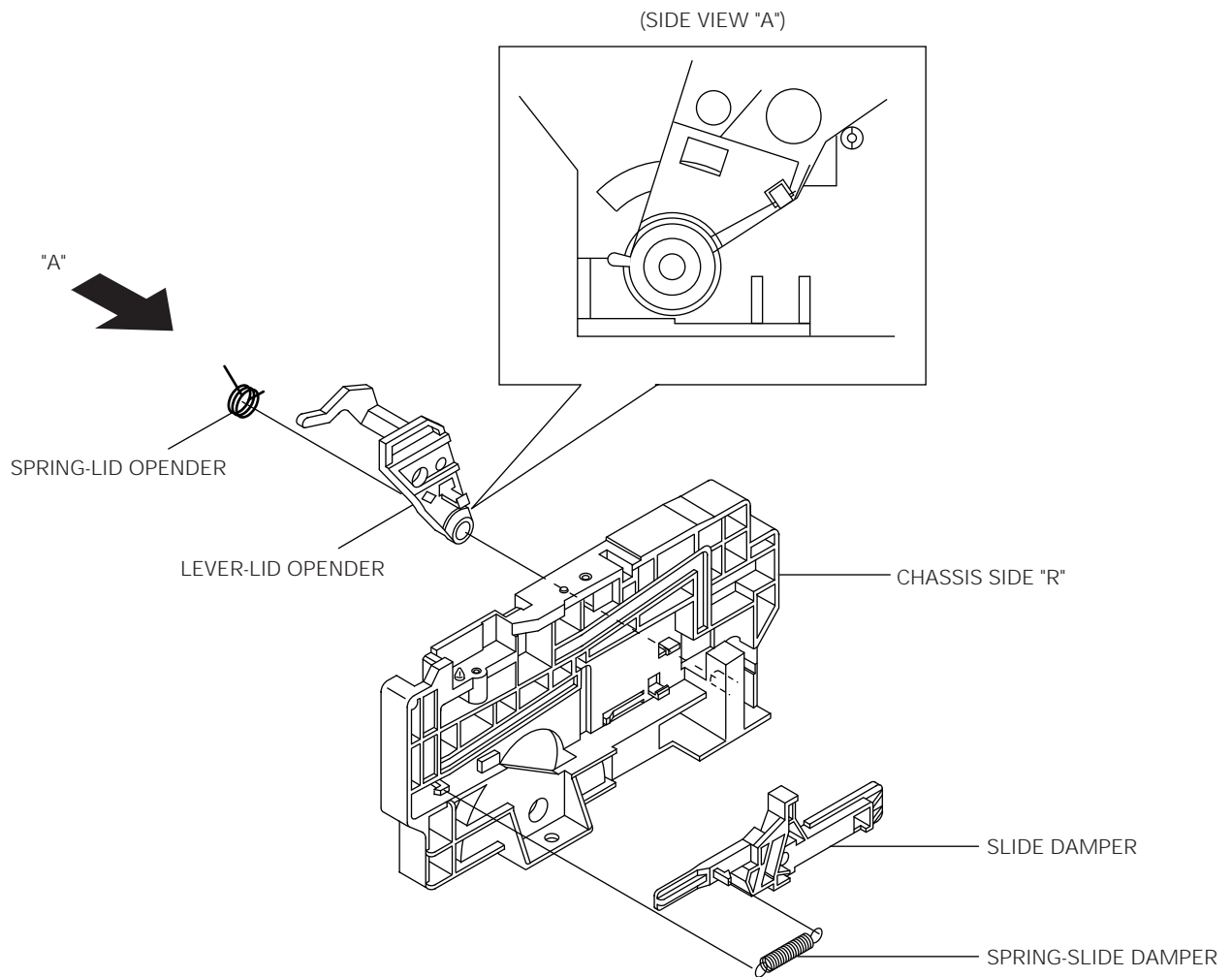


Fig. 1-9 Chassis Side "R" Parts Locations

Note : If you operate the deck when the Cassette Ass'y Holder is removed, the Arm Shaft "R" and the Damper Slide are not returned to their original positions. If this happens by accident, push the Damper Slide of Side Chassis "R" in the direction of arrow "D", and return the Damper Slide in the reverse direction of arrow "D" when the Arm Shaft Ass'y is in eject mode.

1-2-6 Slide Damper Removal

1. Remove the Slide Damper Spring ①.
2. Push the Stopper ③ of the Side Chassis "R" ④. Move the Damper Slide ② in the direction of arrow.
3. Align the Damper Slide ② with the chassis side tab (as shown detail drawing).

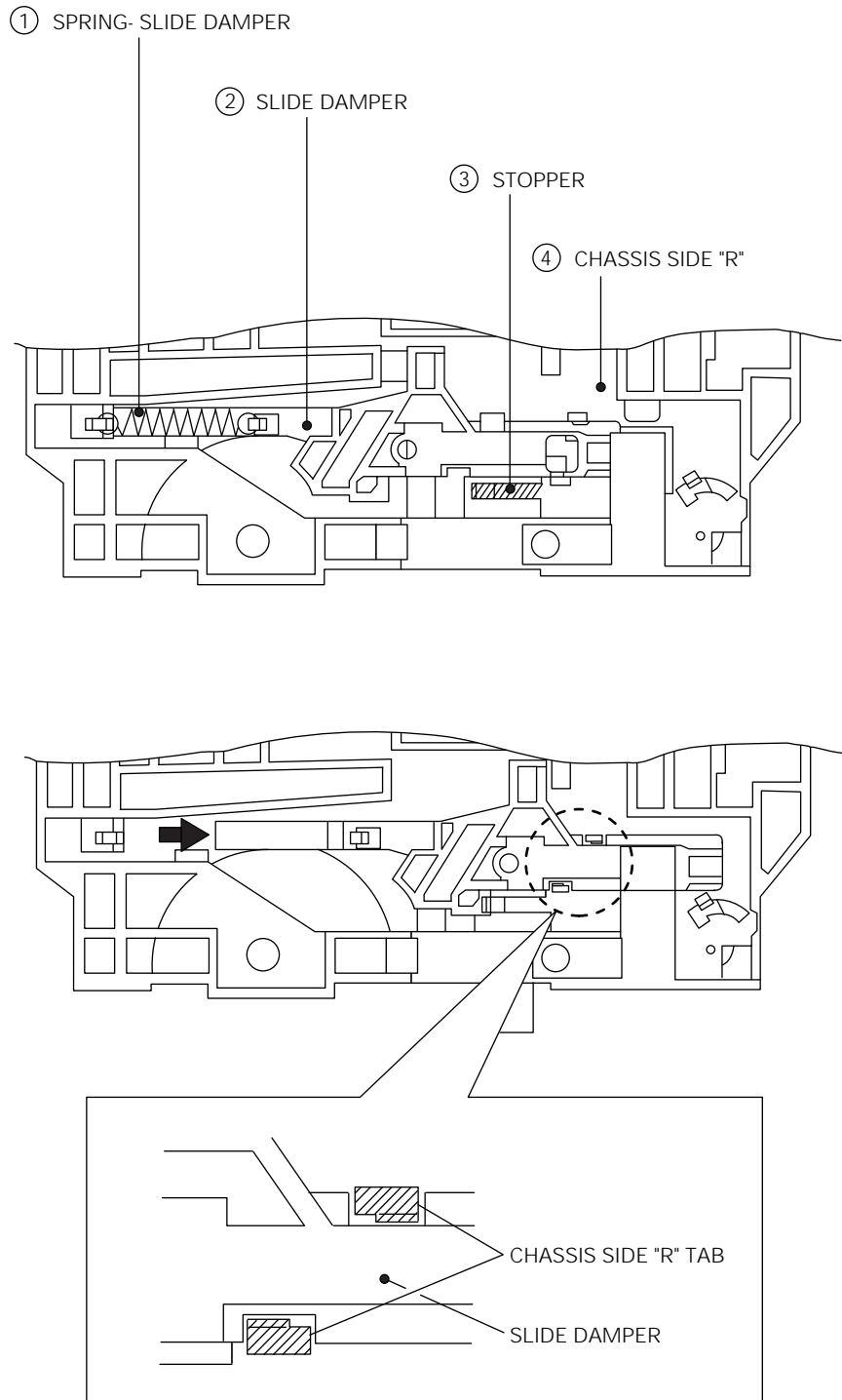


Fig. 1-10 Slide Damper Removal

1-3 Cylinder Ass'y

1-3-1 Exploded View of Cylinder Ass'y

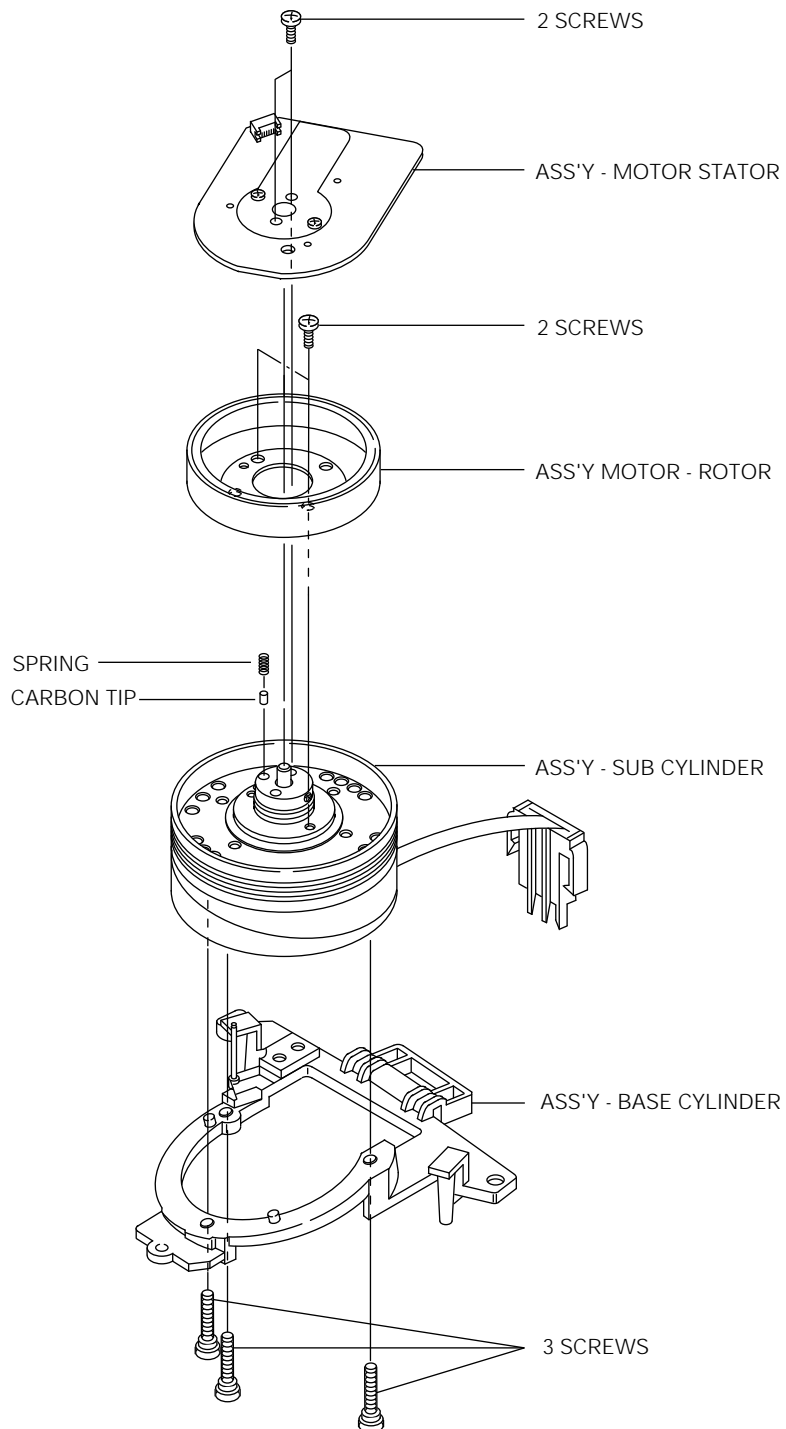


Fig. 1-11 Exploded View of Cylinder Ass'y

1-3-2 Stopper Tape Removal (Only for Deck : DX7-A/DX8-A)

1. Release 1 tab ① in the direction of arrow "A". (Refer to detail drawing)
2. Lift the Tape Stopper ② in the direction of arrow "B".

Note: Stopper tape has deleted from JAN.1998

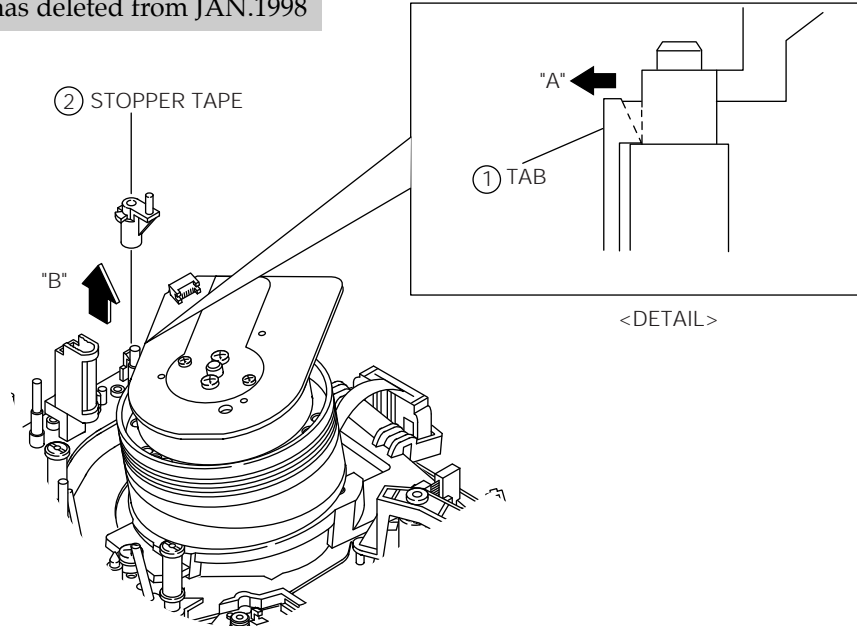


Fig. 1-12 Stopper Tape Removal

1-3-3 Head Cleaner Ass'y Removal (Only for Deck : DX7-AC/DX8-AC)

1. Release 1 tab ① in the direction of arrow "A". (Refer to detail drawing)
2. Lift the Head Cleaner ② in the direction of arrow "B".

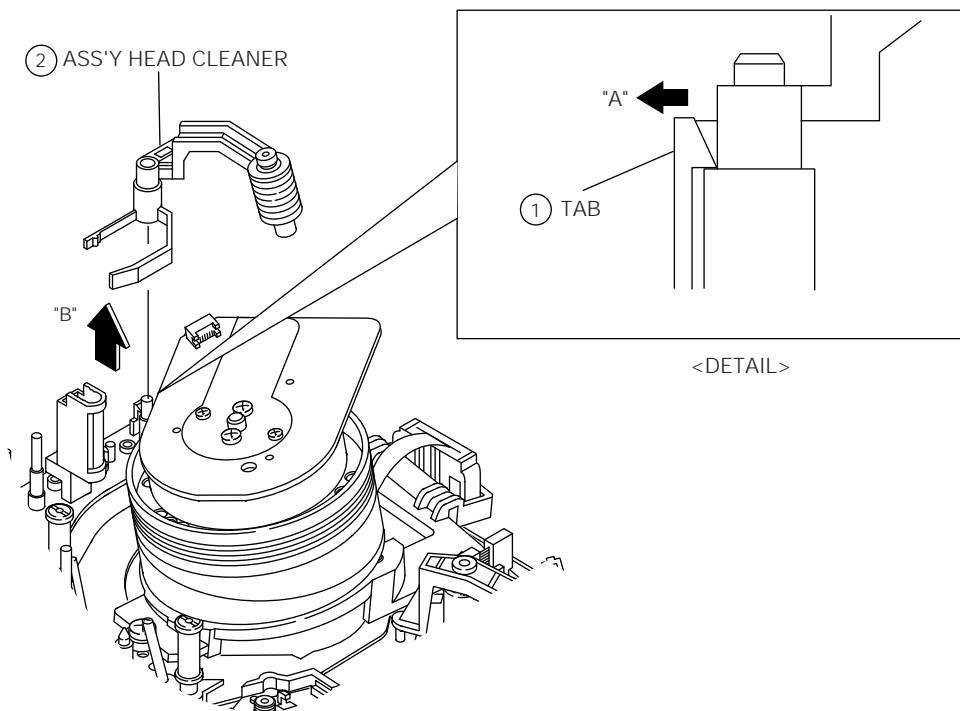


Fig. 1-13 Head Cleaner Ass'y Removal

1-3-4 Cylinder Ass'y Removal from Main Base

1. Remove 3 Screws ① holding the Main Base and the Cylinder Ass'y.
2. Lift the Cylinder Ass'y ② in the direction of arrow.

Note : Do not touch the video heads during removal or installation.

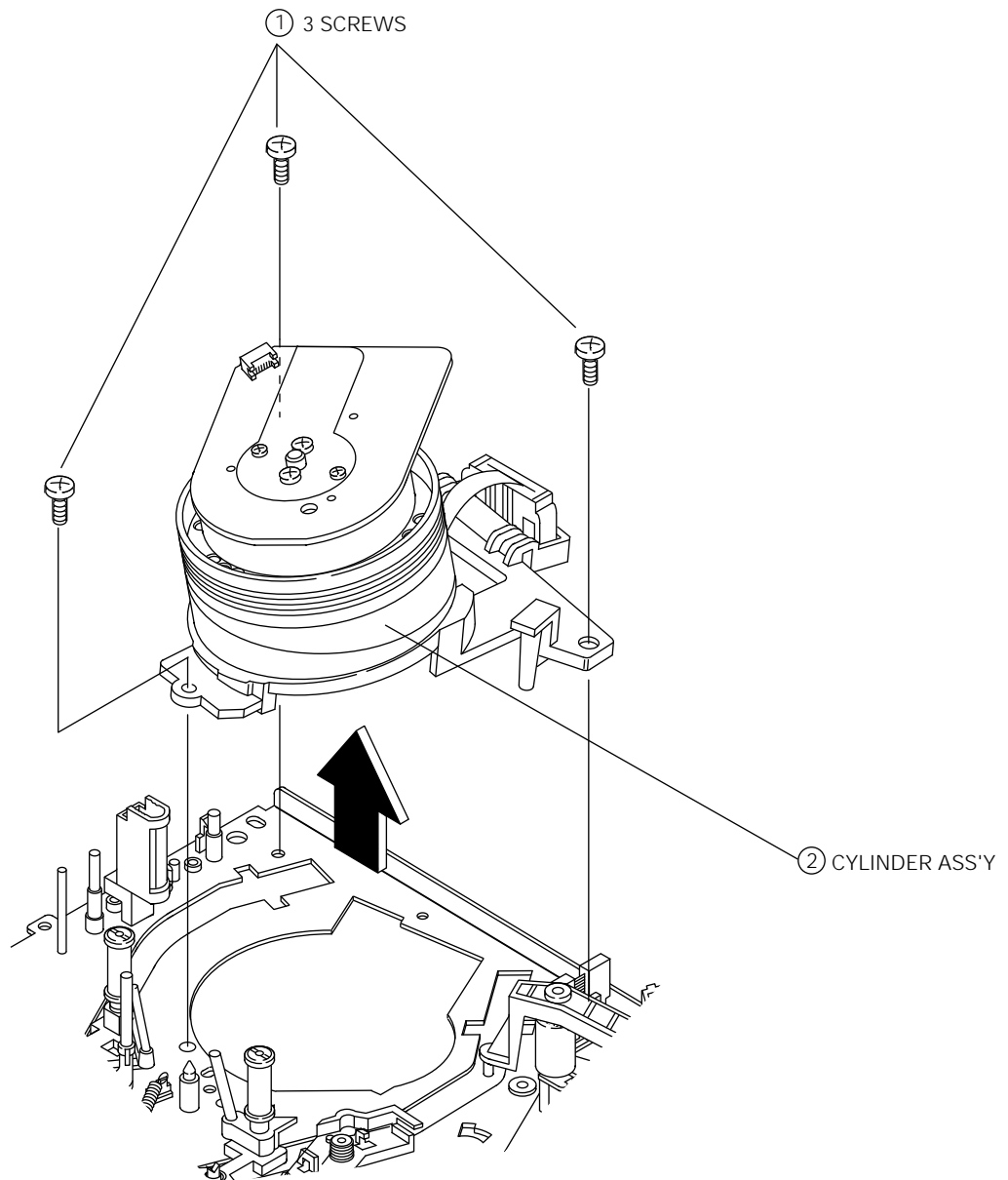


Fig. 1-14 Cylinder Ass'y Removal from Main Base

1-3-5 Holder FPC Removal

1. Release the Holder FPC tab holding the Cylinder Base ② in the direction of arrow. (Refer to detail drawing)
2. Disconnect the Holder FPC ① from the Cylinder Base ②.

Note : When disconnecting the FPC Holder ① from the Cylinder Base ② :
Take care not to disconnect the FPC cable from the FPC Holder (The FPC cable is very short).

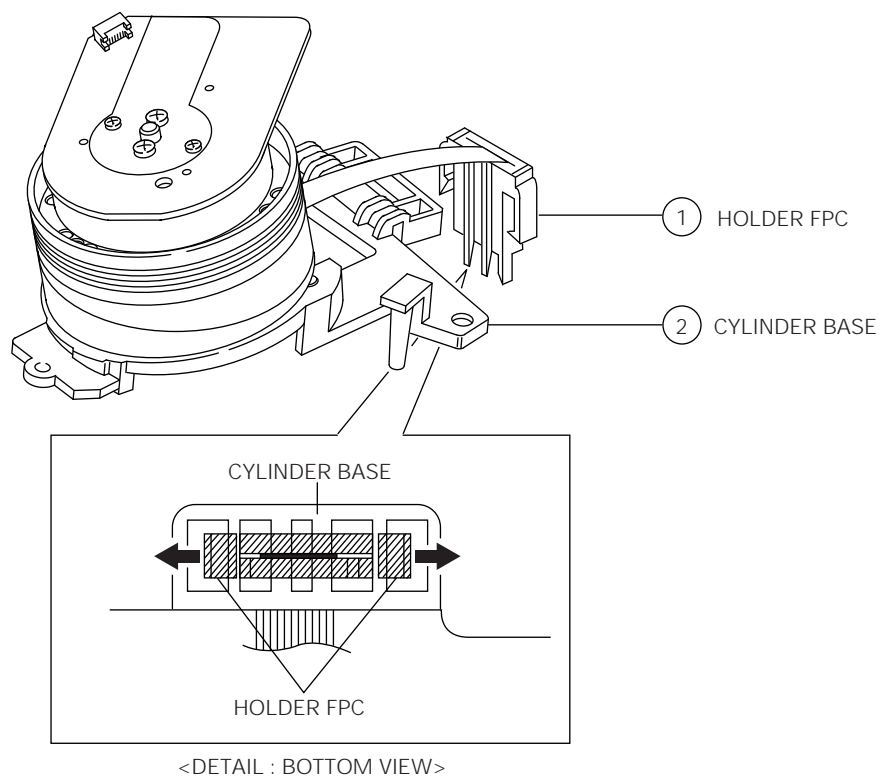


Fig. 1-15 Head Brush and Holder FPC Removal

1-3-6 Cylinder Ass'y Removal from Cylinder Base

1. Remove 3 Screws ① from the Cylinder Base ②.
2. Lift the Cylinder Ass'y ③ from the Cylinder Base ② in the direction of arrow.

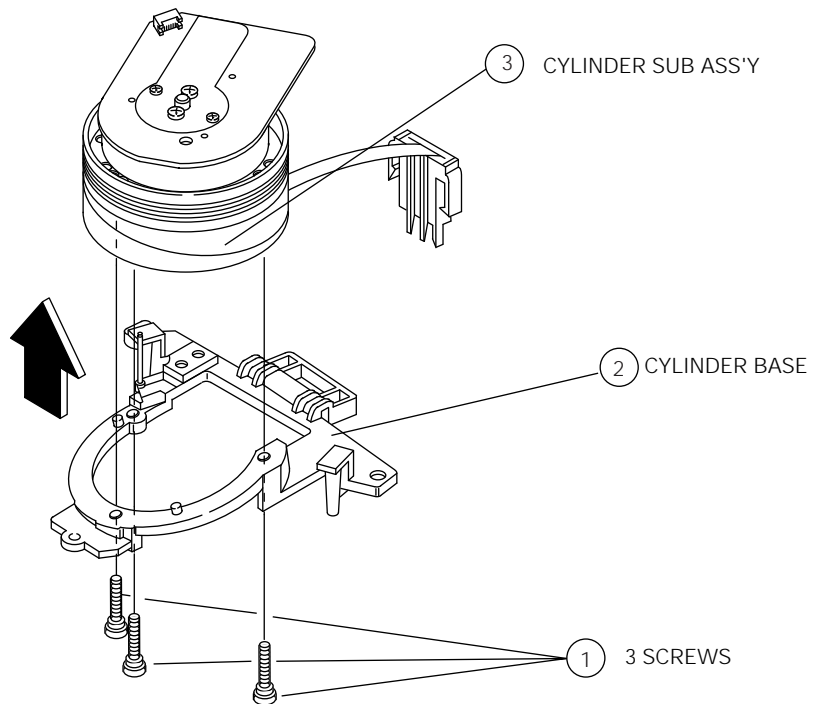


Fig. 1-16 Cylinder Ass'y Removal from Cylinder Base

1-3-7 Motor Stator Removal

1. Remove 2 Screws ①.
2. Remove the Motor Stator ② from the Cylinder Sub Ass'y ⑤.

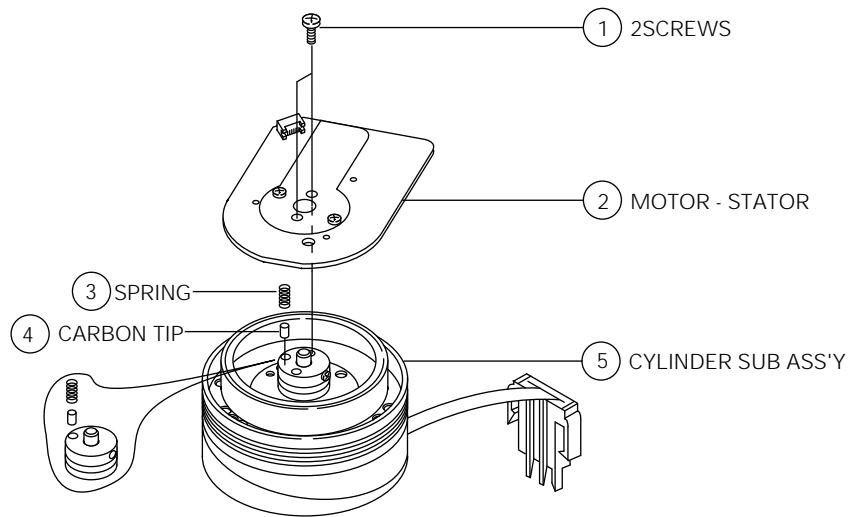


Fig. 1-17 Motor Stator Removal

Note : When disassembling the Motor-Stator, take extreme care not to loose the carbon-tip and spring.

1-3-8 Motor Rotor Removal

1. Remove 2 Screws ①.
2. Lift The Motor Rotor ②.

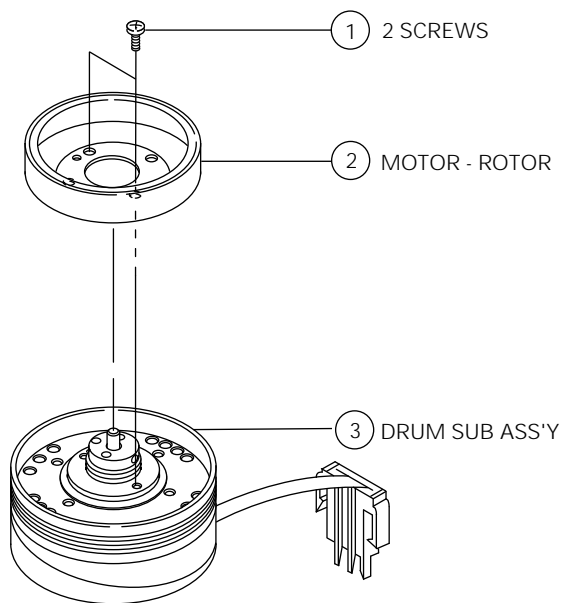


Fig. 1-18 Motor Rotor Removal

1-3-9 Motor Rotor and Cylinder Sub Ass'y

1. Make sure that phase matching holes of the Motor Rotor and the Cylinder Sub Ass'y are aligned correctly as shown in Fig. 1-19 (Refer to phase matching hole).
2. Secure with 2 Screws.

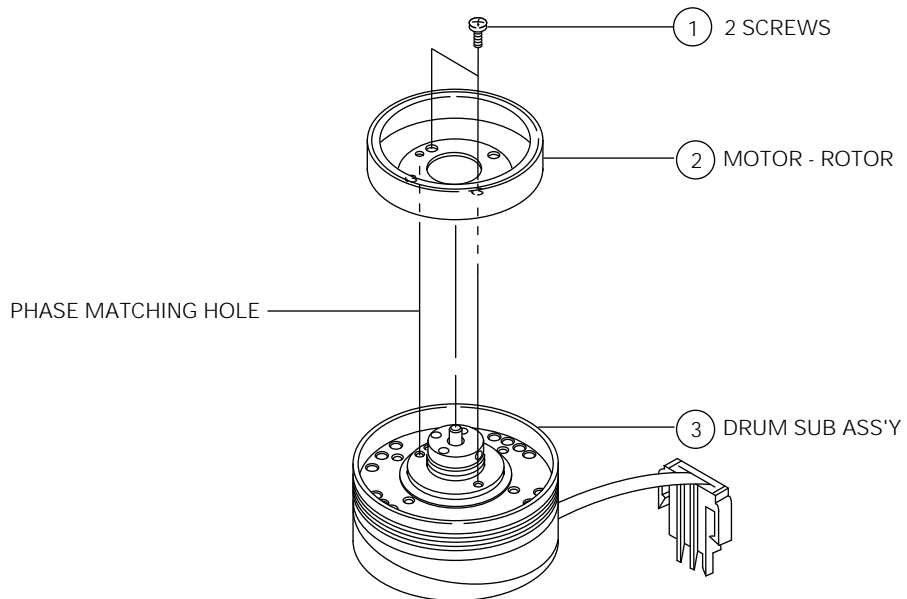


Fig. 1-19 Assembly of Motor Rotor and Cylinder Sub Ass'y

1-3-10 Motor Stator and Cylinder Sub Ass'y

1. Reinstall the Motor Stator ① toward the FPC cable of Cylinder Sub Ass'y ②.
2. Secure 2 Screws. (Refer to Fig. 1-17)

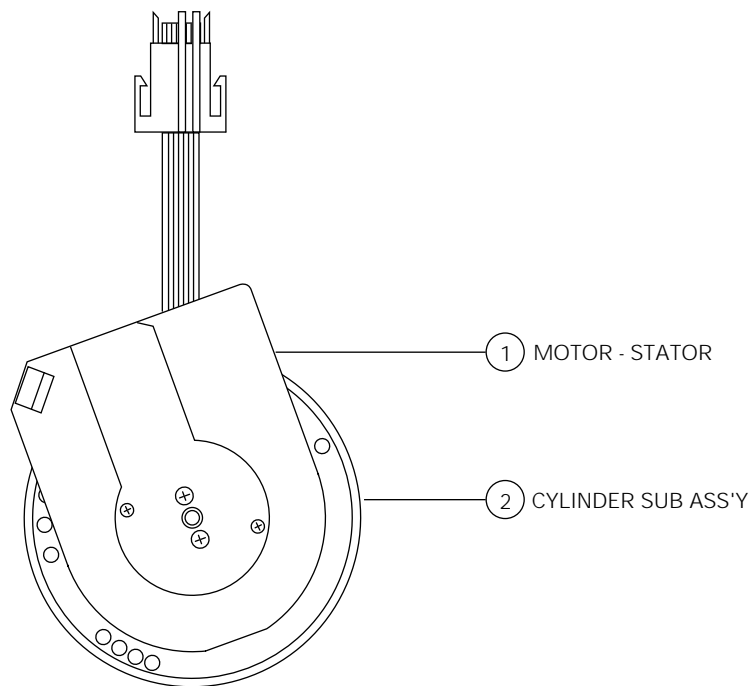


Fig. 1-20 Assembly of Motor Stator and Cylinder Sub Ass'y

1-4 Main Deck Removal and Reassembly

1-4-1 Slide Rack Housing Removal

1. Lift the Slide Rack Housing.

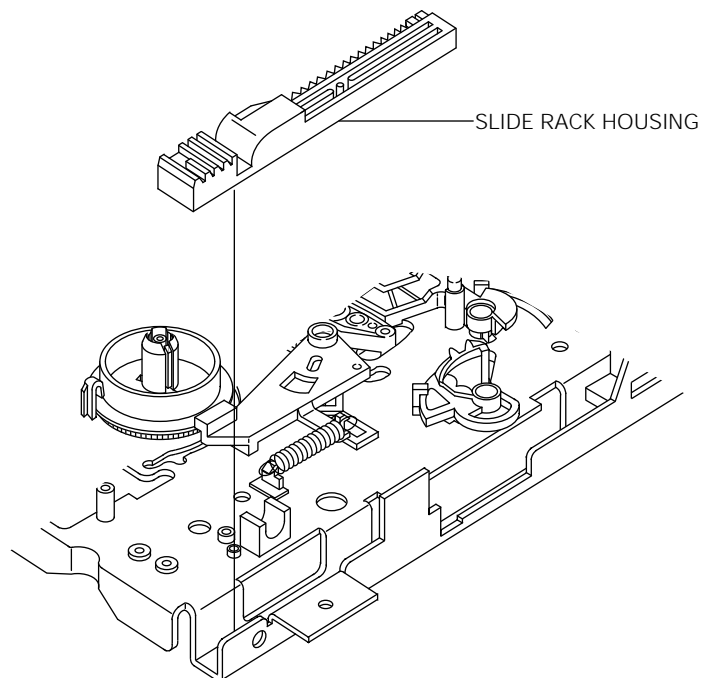


Fig. 1-21 Slide Rack Housing Removal

1-4-2 Assembly of Slide Rack Housing and Gear Master

1. Confirm that the hole of Master Gear ① and the hole "A" of Main Base are aligned correctly. (Eject mode)
2. Align the Slot #1 of Master Gear ① with the Tooth #1 of Rack Housing Slide ②. (Refer to timing point)

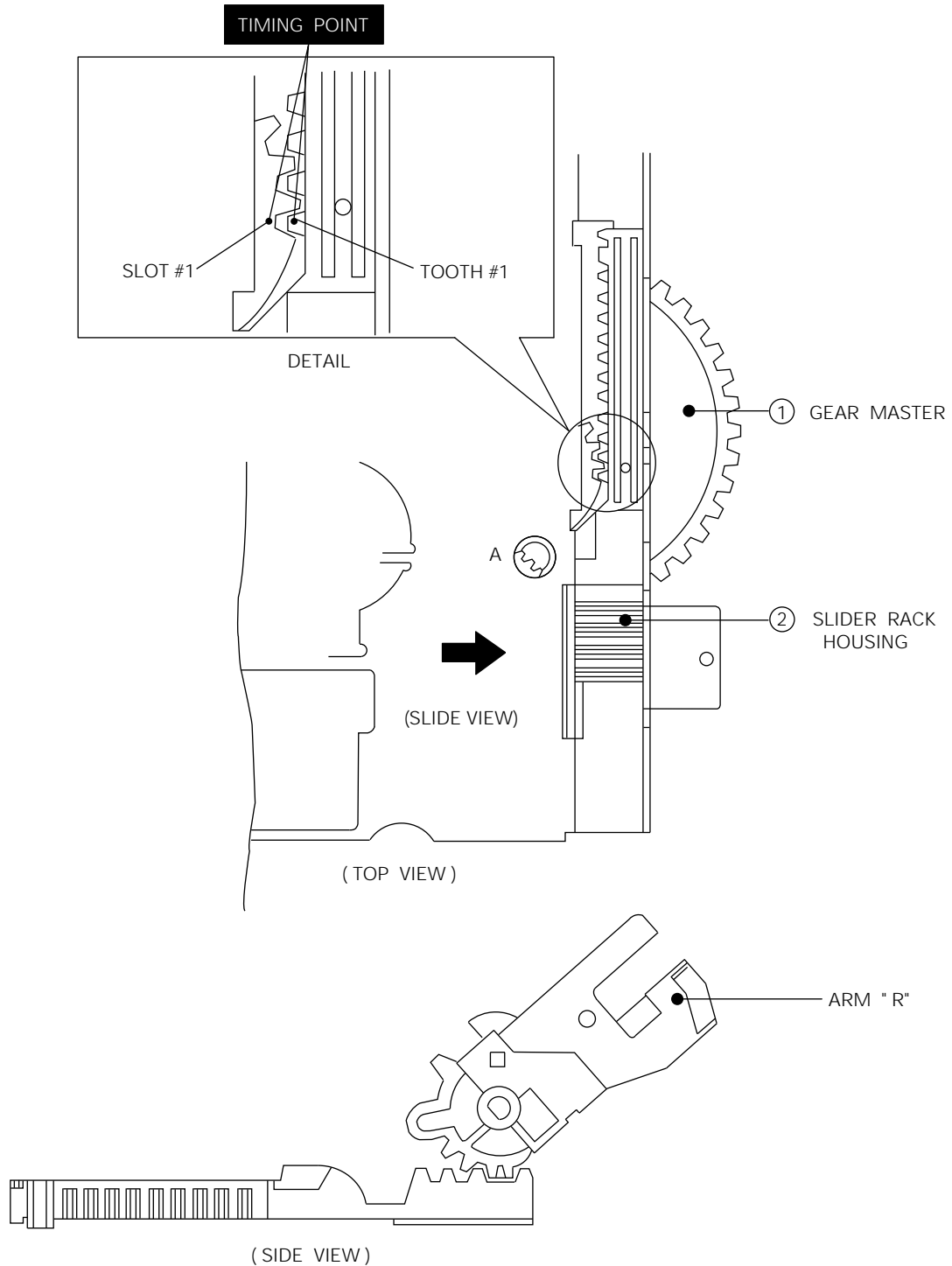


Fig. 1-22 Assembly of Slide Rack Housing and Gear Master

1-4-3 Brake Sub "L" Removal

1. Remove the Sub "L" Brake Spring ①.
2. Release the tab ② in the direction of arrow. (Refer to detail drawing)
3. Lift the Sub "L" Brake ③.

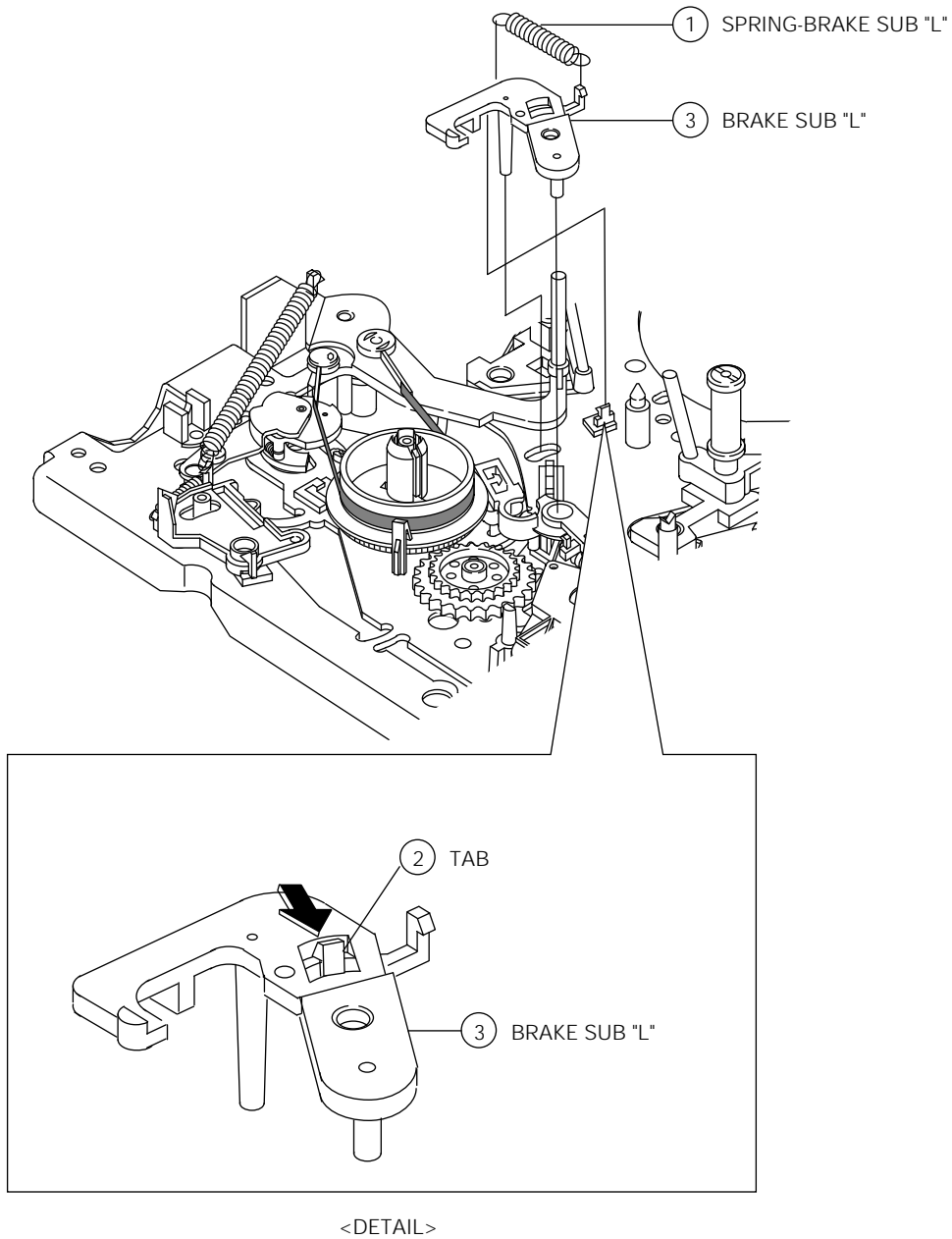


Fig. 1-23 Brake Sub "L" Removal

1-4-4 Arm Tension Full Ass'y Removal

1. Remove the Tension Spring ①.
2. Release the tab ② in the direction of arrow. (Refer to detail drawing)
3. Lift the Full Tension Arm Ass'y ③.

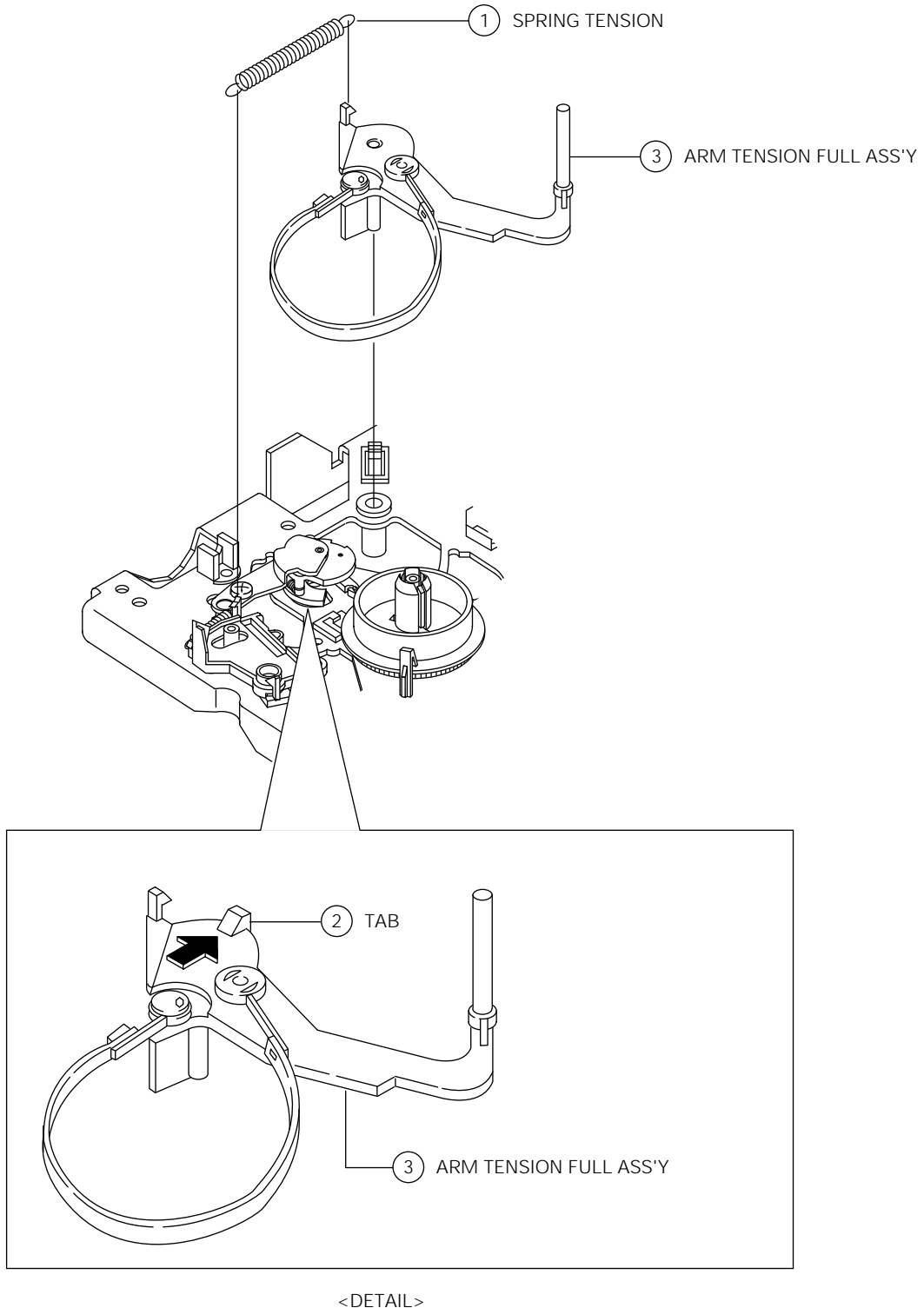


Fig. 1-24 Arm Tension Full Ass'y Removal

1-4-5 Lever JOG Ass'y Removal (Only for deck : DX8-A/DX8-AC)

1. Remove the 1 Screw ①.
2. Lift the JOG Lever Ass'y ②.

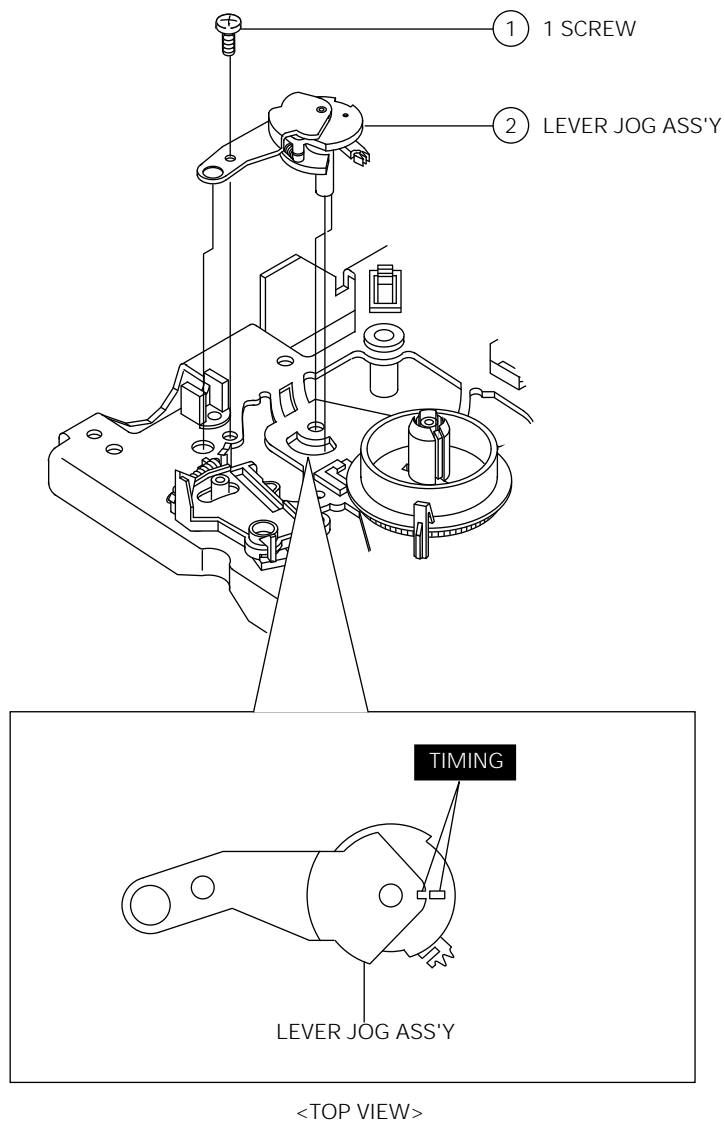


Fig. 1-25 Lever JOG Ass'y Removal

1-4-6 Reel Disk "L" and Gear Relay "S" Ass'y Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the Reel Disk "L" ②.
3. Remove the Plain Washer ③.
4. Remove the Slit Washer ④.
5. Lift the Relay "S" Gear Ass'y ⑤.

Note : When reinstalling, be sure to install the Reel Disk "L" ② after installing the Plain Washer ③.

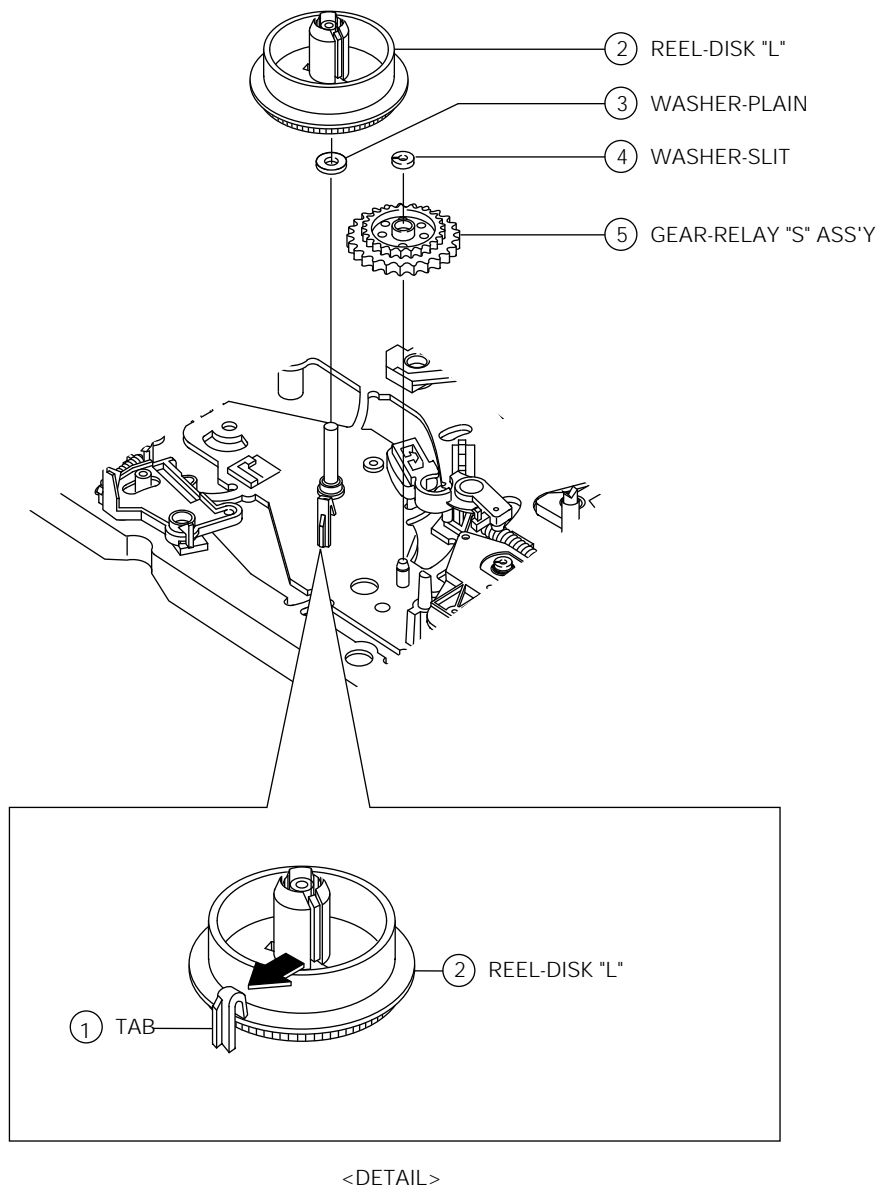
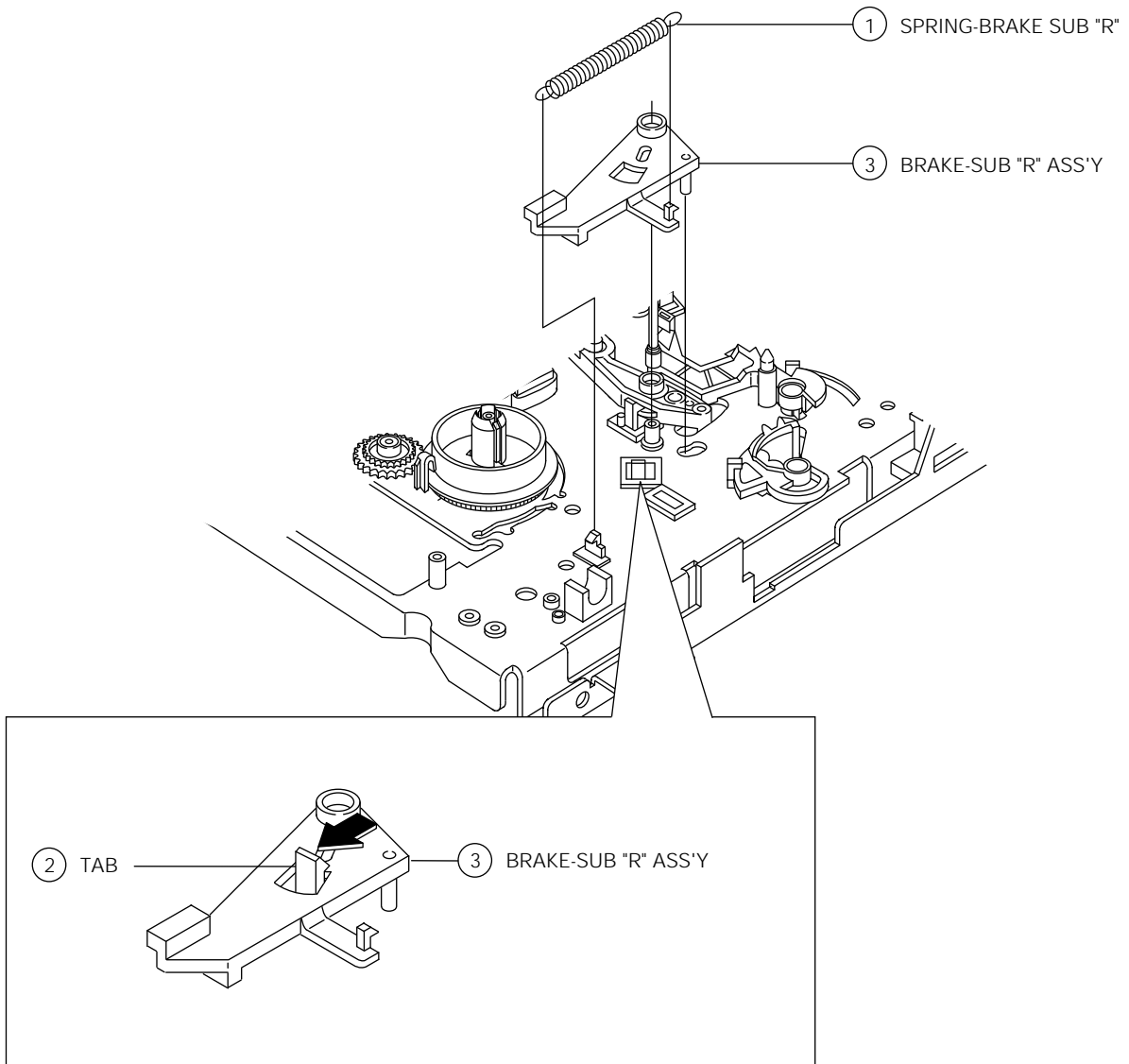


Fig. 1-26 Reel Disk "L" and Gear Relay "S" Ass'y Removal

1-4-7 Brake Sub "R" Ass'y Removal

1. Remove the Sub "R" Brake Spring ①.
2. Release the tab ② in the direction of arrow. (Refer to detail drawing)
3. Lift the Brake Sub "R" Ass'y ③.



<DETAIL>

Fig. 1-27 Brake Sub "R" Ass'y Removal

1-4-8 Reel Disk "R" Ass'y and Gear Relay "T" Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the Reel Disk "R" Ass'y ②.
3. Remove the Plain Washer ③.
4. Remove the Slit Washer ④.
5. Lift the Relay "T" Gear Ass'y ⑤.

Note : When reinstalling, be sure to install the Reel Disk "R" Ass'y ② after installing the Plain Washer ③.

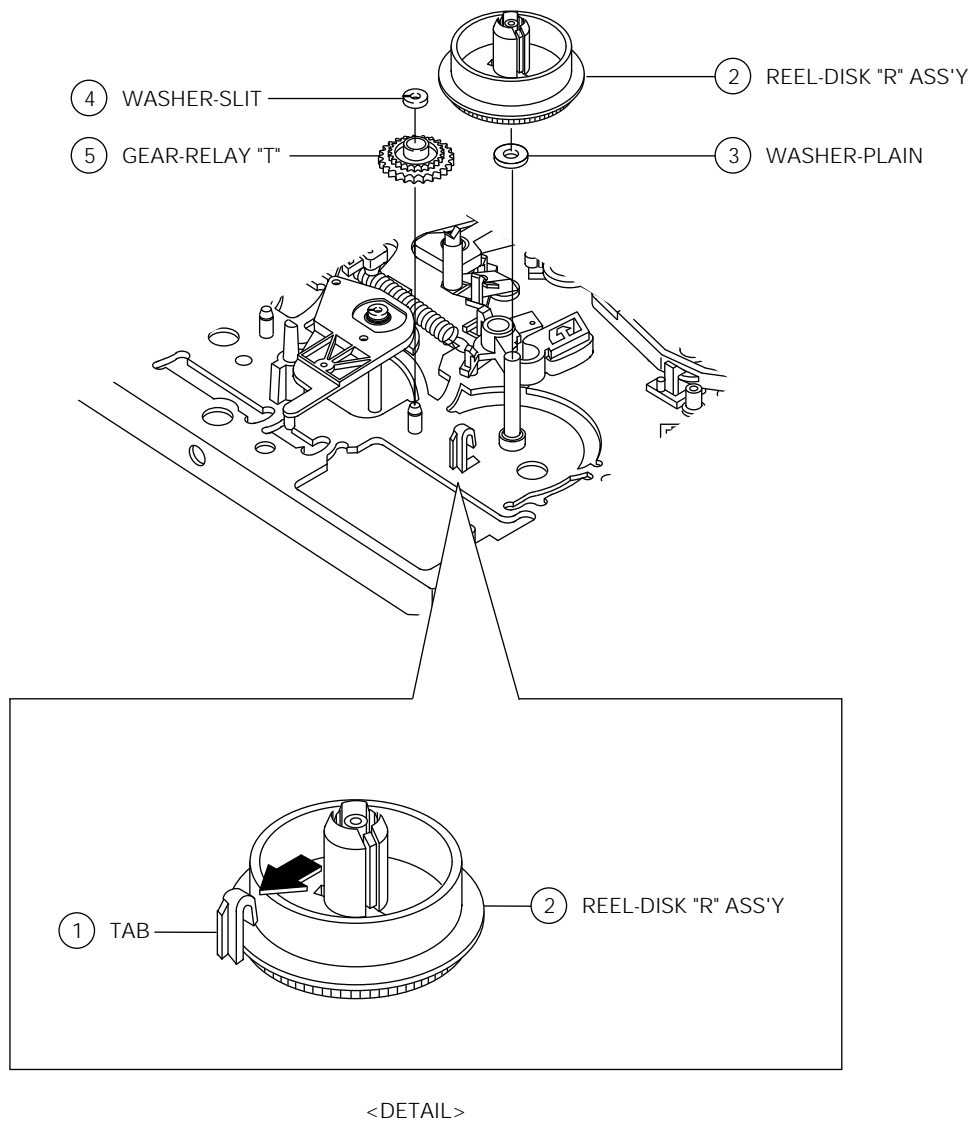


Fig. 1-28 Reel Disk "R" Ass'y and Gear Relay "T" Removal

1-4-9 Brake Main "L", "R" Ass'y Removal

1. Release the Main Brake Spring ①.
2. Release the tab ② in the direction of arrow "A". (Refer to detail drawing A)
3. Lift the Brake Main "L" ③.
4. Release the tab ④ in the direction of arrow "B". (Refer to detail drawing B)
5. Lift the Main "R" Brake ⑤.

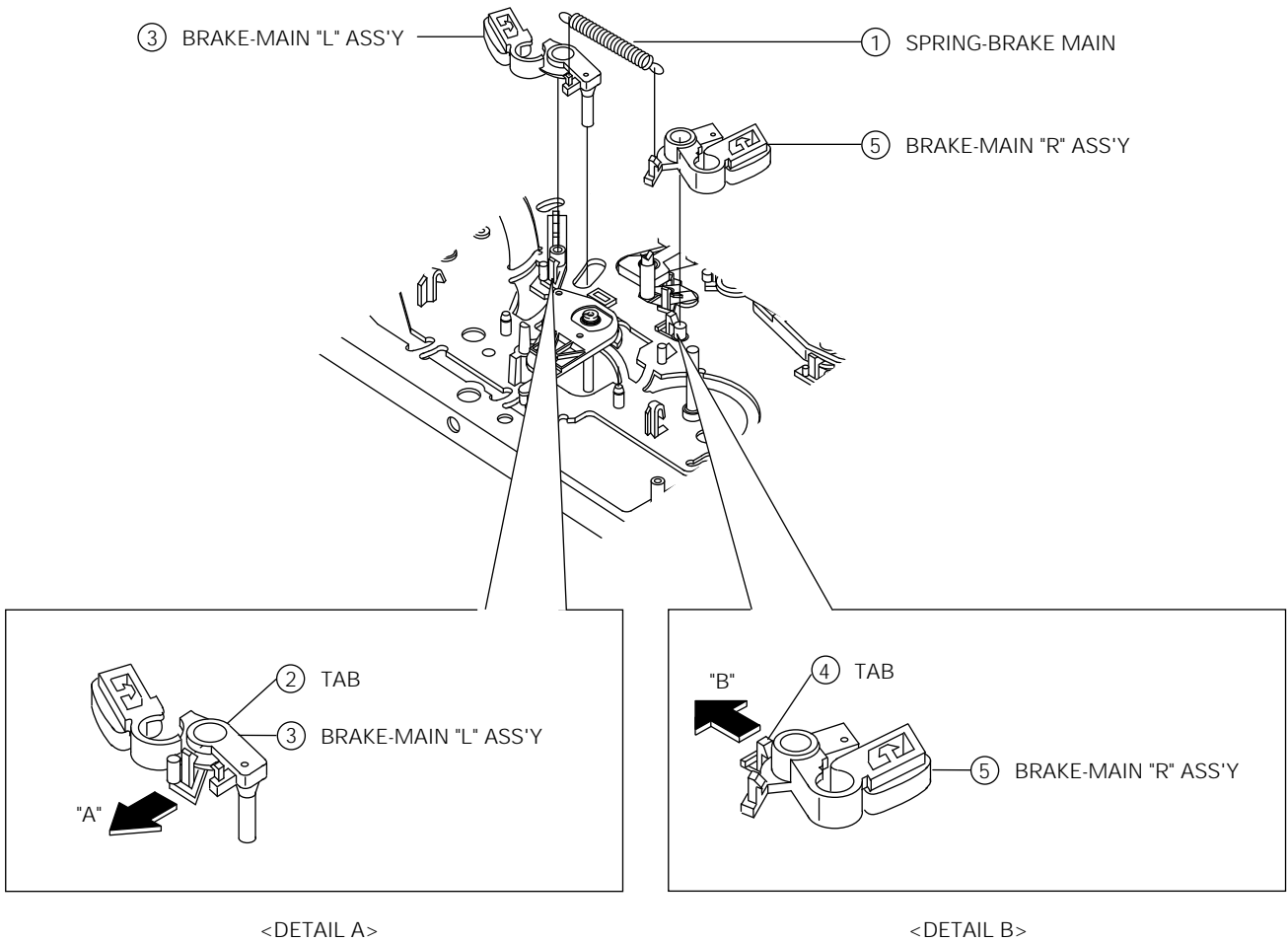


Fig. 1-29 Brake Main "L", "R" Ass'y Removal

1-4-10 Idler Ass'y Removal

1. Remove the Slit Washer ①.
2. Lift the Idler Ass'y ②.

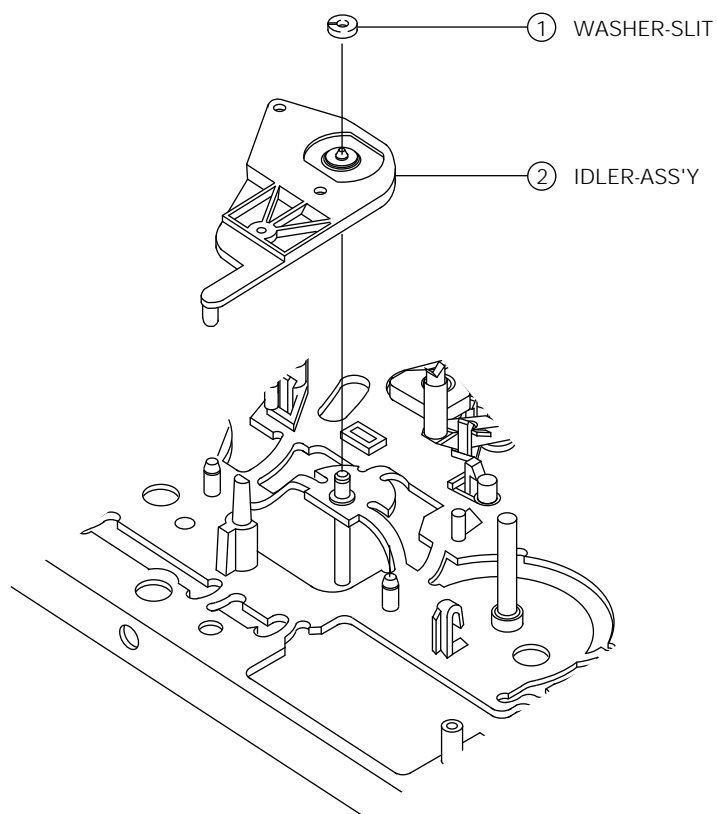


Fig. 1-30 Idler Ass'y Removal

1-4-11 Unit Pinch Roller Ass'y Removal

1. Remove the Slit Washer ①.
2. Lift the Pinch Roller Unit ②.
3. Lift the Arm Pinch Spring ③.

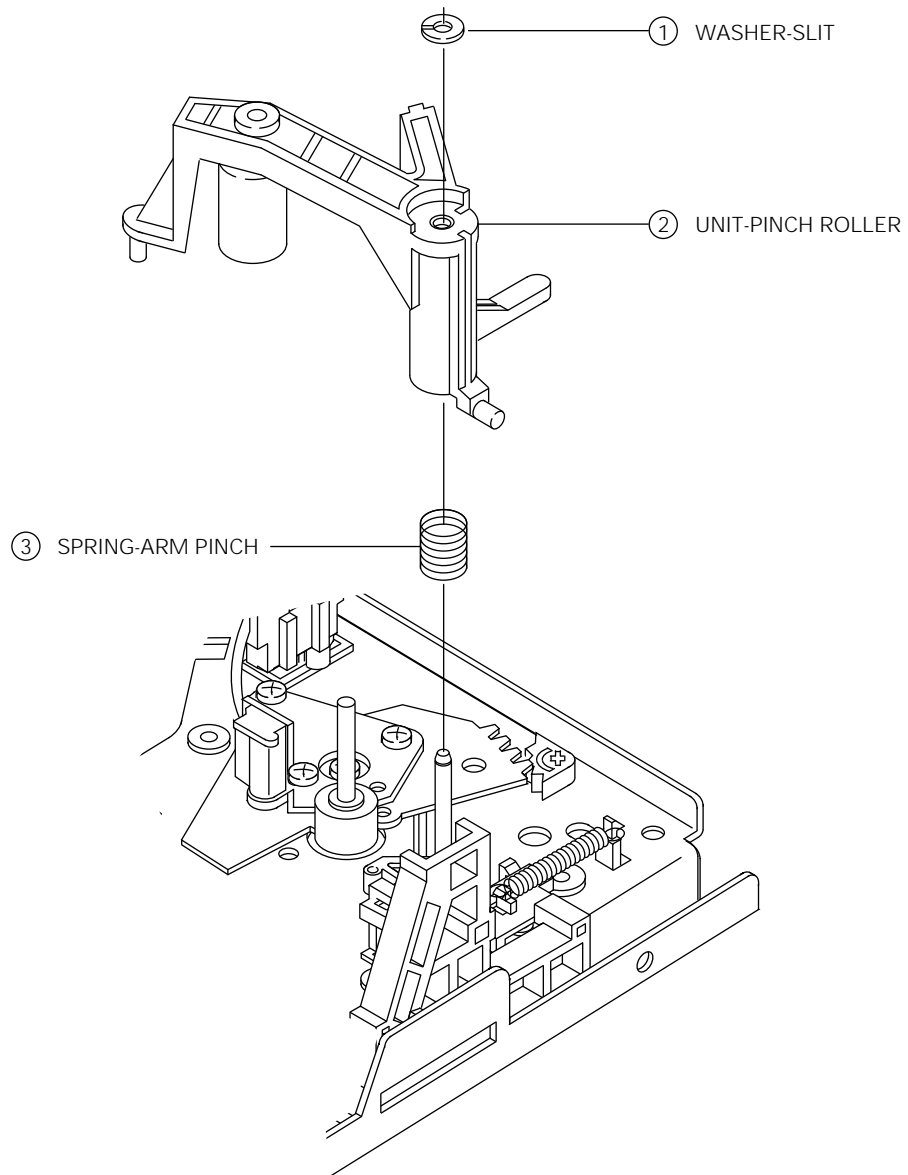


Fig. 1-31 Unit Pinch Roller Ass'y Removal

1-4-12 Assembly of Unit Pinch Roller

1. Install the Pinch Roller Unit as shown in Fig. 1-32. (Refer to A, B)

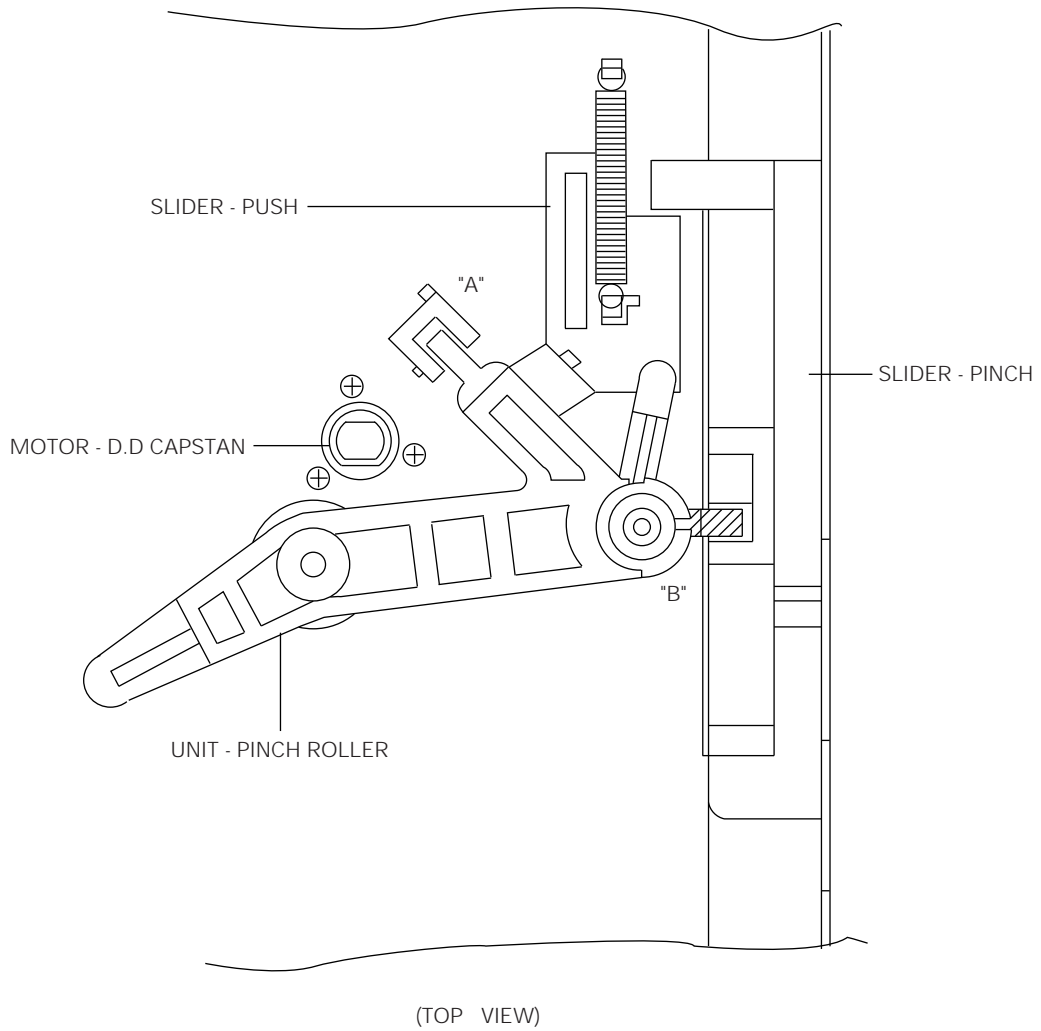


Fig. 1-32 Assembly of Unit Pinch Roller

1-4-13 Exploded View of Lever Pinch Comp Ass'y, Lever Pinch Cam, Arm Review Ass'y and Lever Review Ass'y

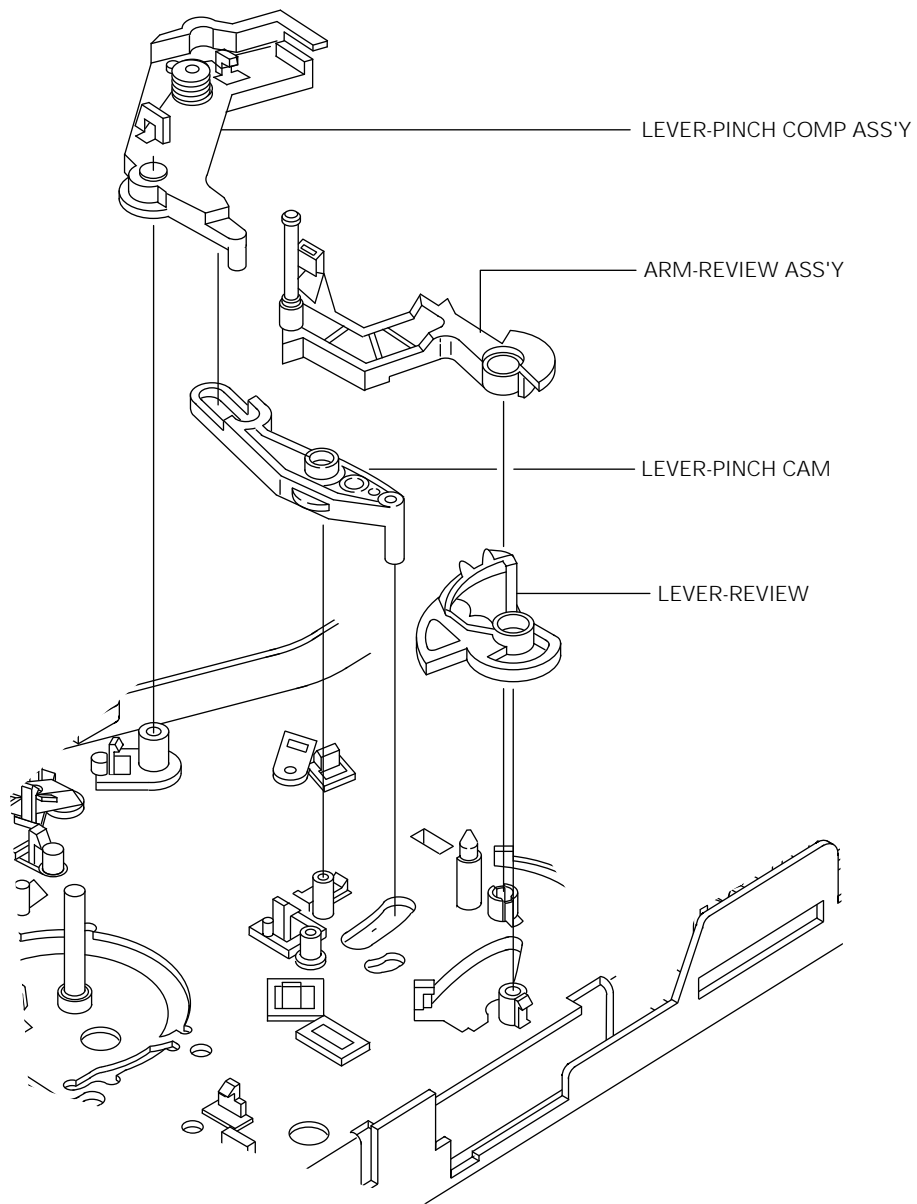
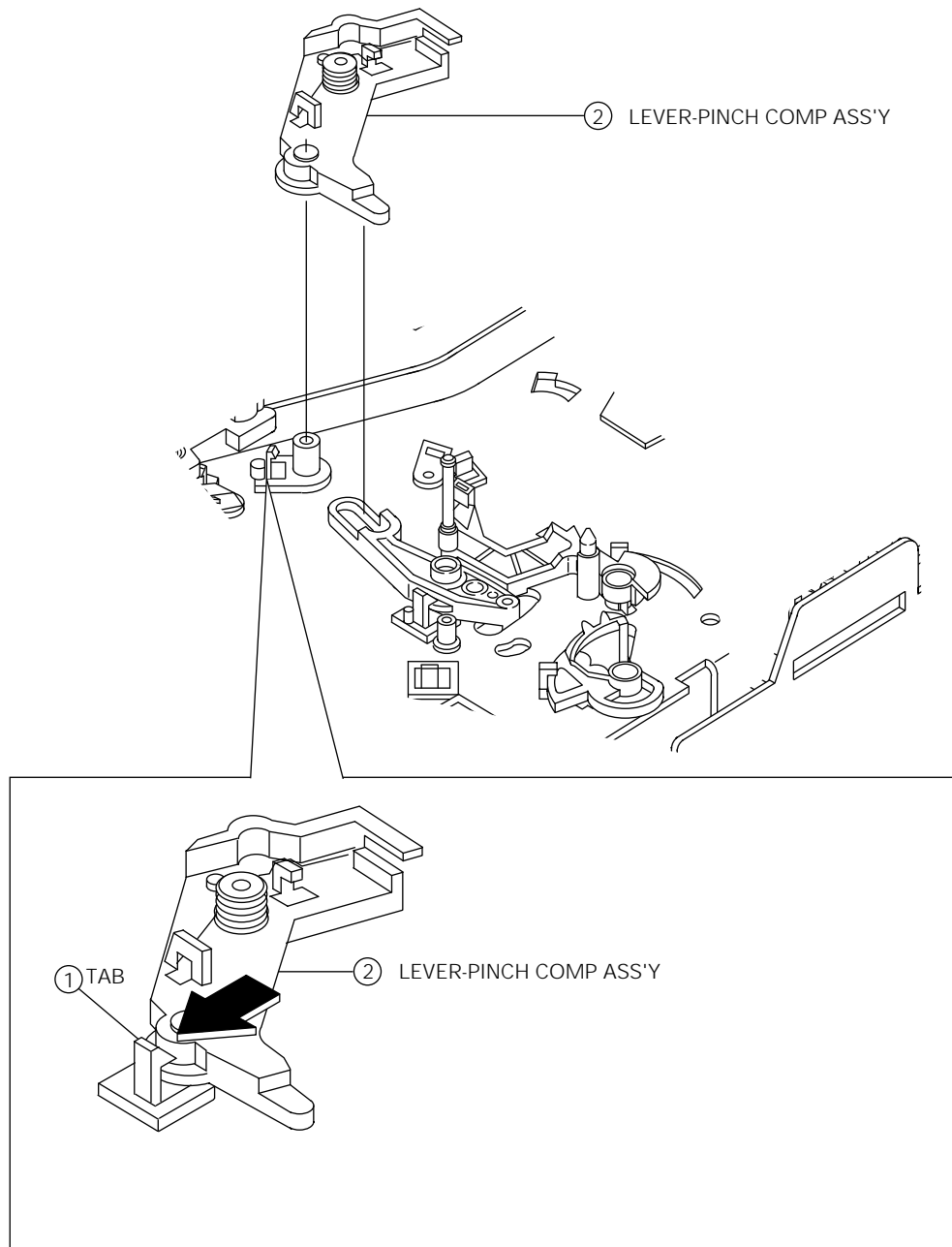


Fig. 1-33 Exploded View of Lever Pinch Comp Ass'y, Lever Pinch Cam, Arm Review Ass'y and Lever Review Ass'y

1-4-14 Lever Pinch Comp Ass'y Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the Pinch Comp Lever Ass'y ②.

Note : Don't touch the Pinch Comp Lever Ass'y ① to Audio Head Base during removal.



<DETAIL>

Fig. 1-34 Lever Pinch Comp Ass'y Removal

1-4-15 Lever Pinch Cam Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the Pinch Cam Lever ②.

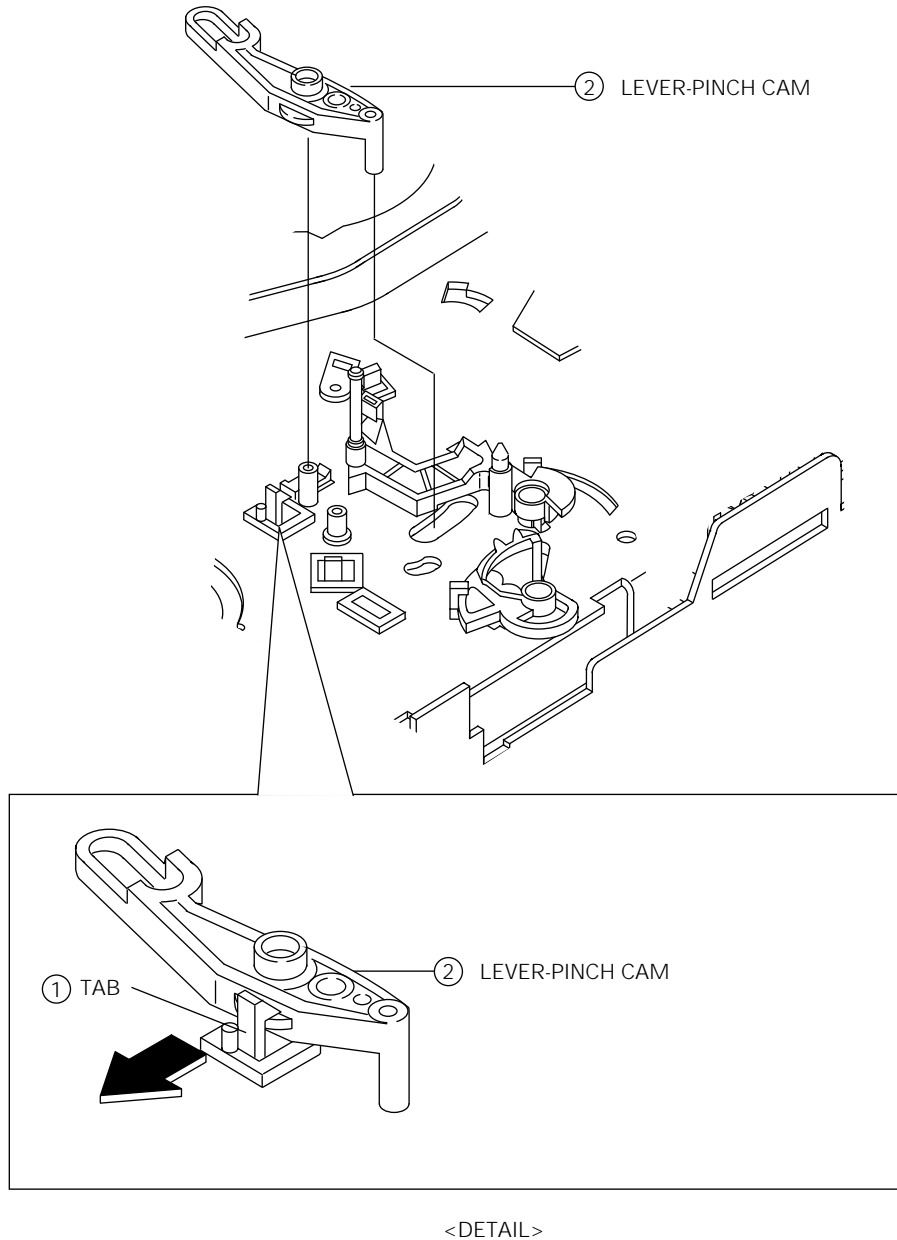


Fig. 1-35 Lever Pinch Cam Removal

1-4-16 Arm Review Ass'y Removal

1. Push the Stopper tab ① in the direction of arrow.
2. Pull the Review Arm Ass'y ② in the direction of arrow "A" and then confirm "B".
(Refer to detail drawing "A")
3. Release the tab ③ in the direction of arrow and then lift the Review Arm Ass'y ②.

Note : Take extreme care not to damage when removing the Review Arm Ass'y ②.
(B part of detail drawing A)

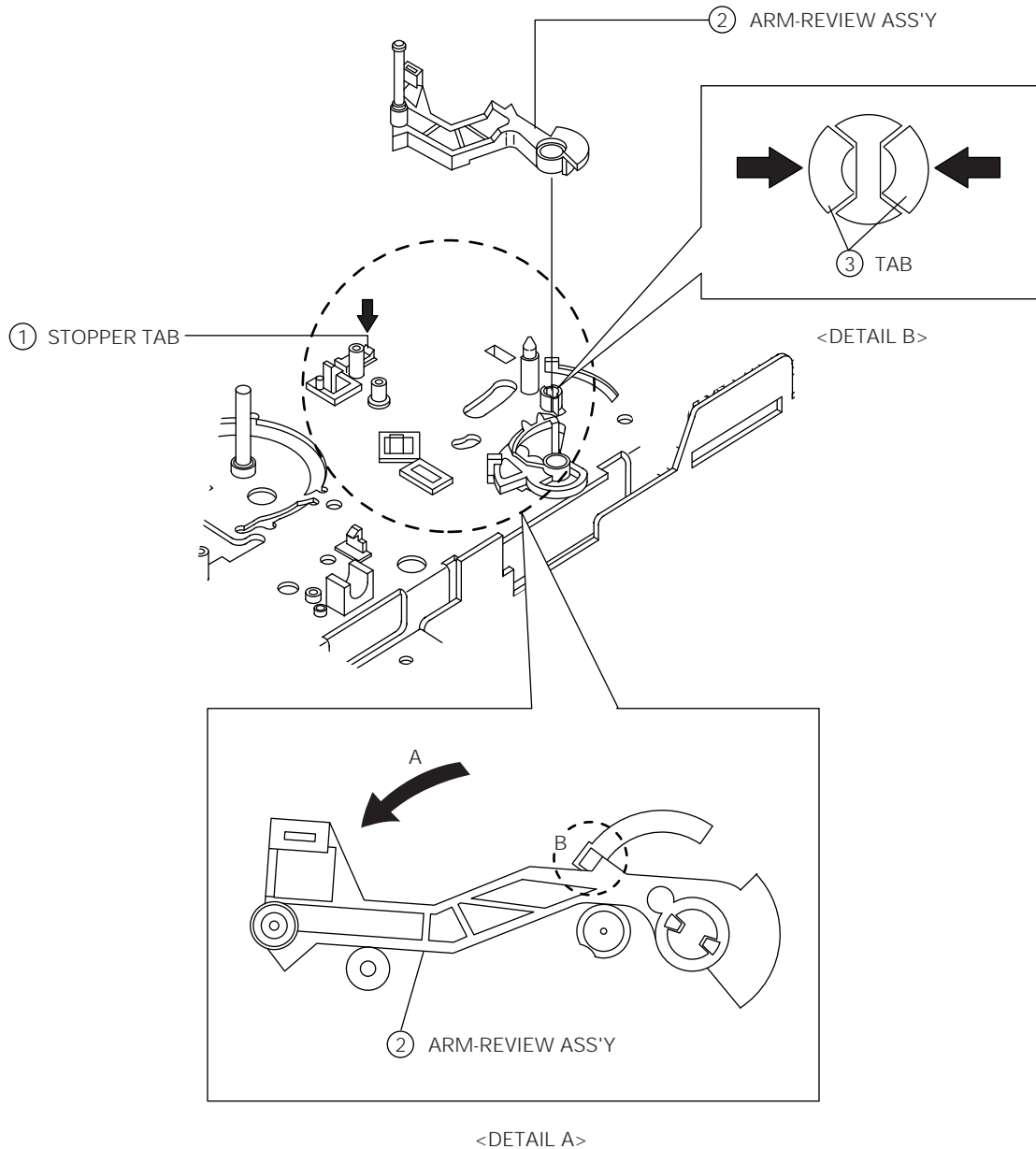


Fig. 1-36 Arm Review Ass'y Removal

1-4-17 Lever Review Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the Review Lever ②.

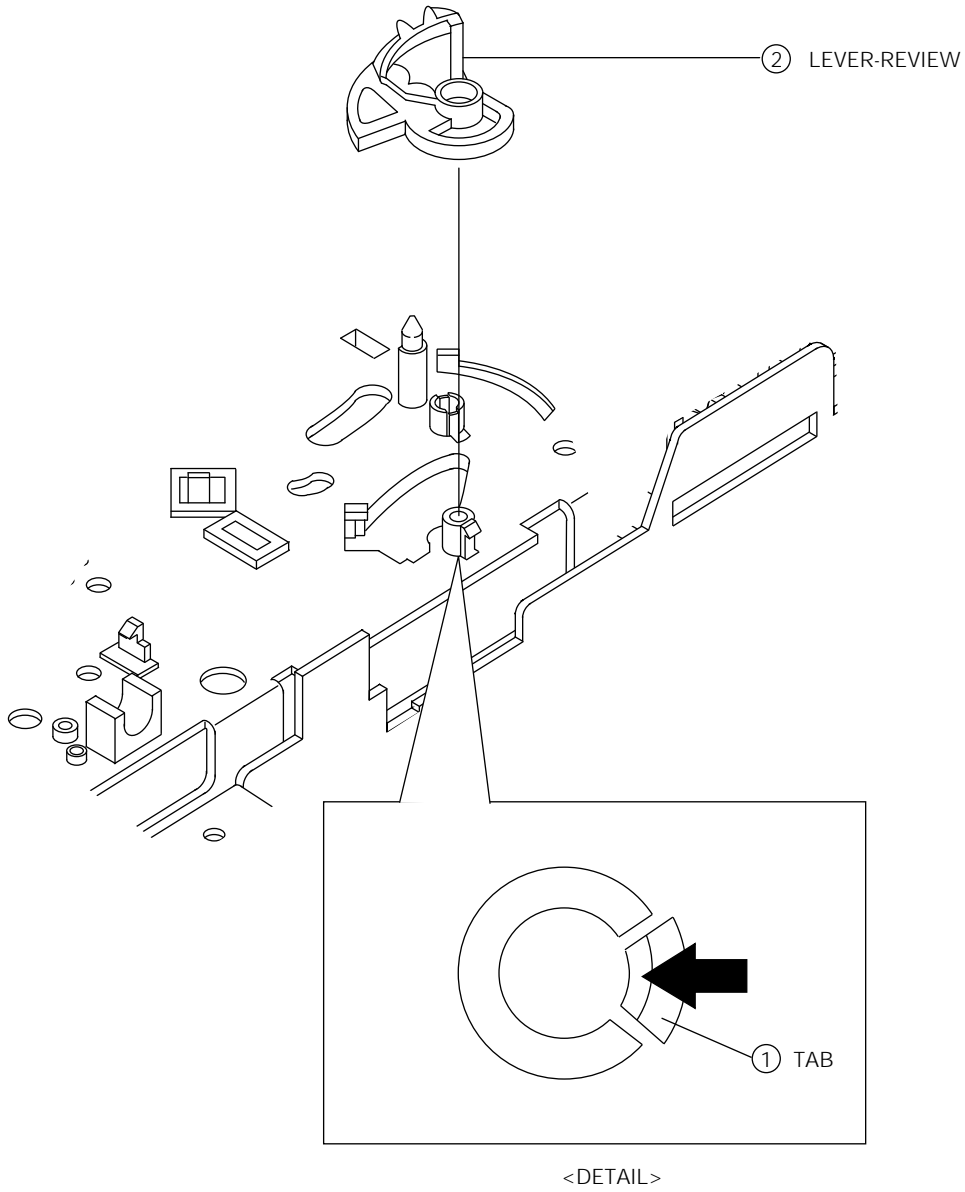


Fig. 1-37 Lever Review Removal

1-4-18 Belt Capstan Removal

1. Remove the Capstan Belt ①.

Note : Take extreme care not to touch the grease when removing or reinstalling.

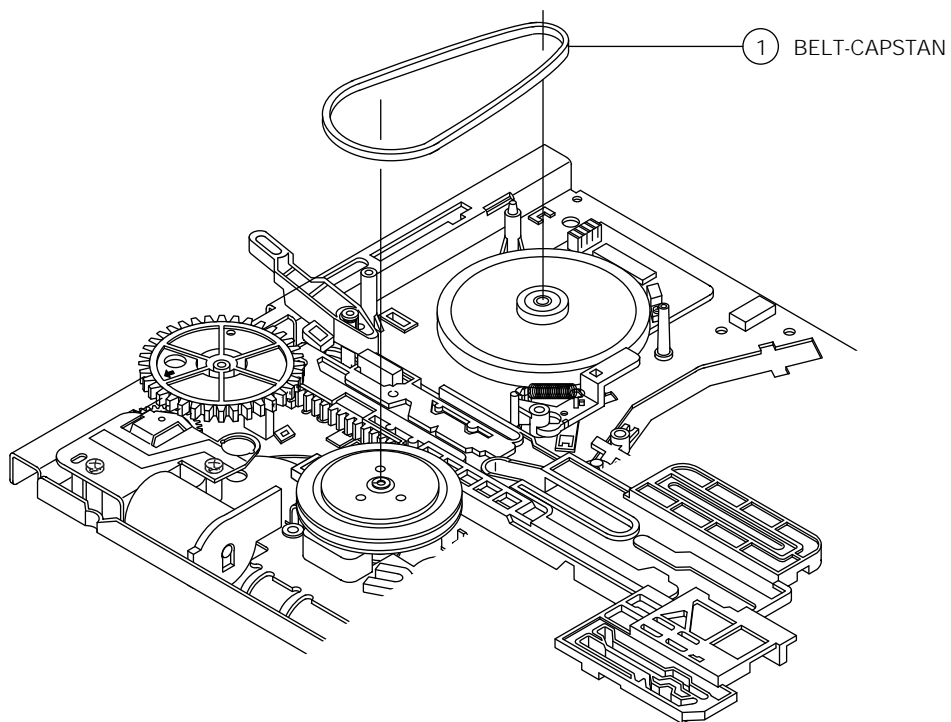


Fig. 1-38 Belt Capstan Removal

1-4-19 Brake Capstan Ass'y Removal

1. Remove the Brake Capstan Spring ①.
2. Release the tab ② in the direction of arrow. (Refer to detail drawing)
3. Lift the Capstan Brake Ass'y ③.

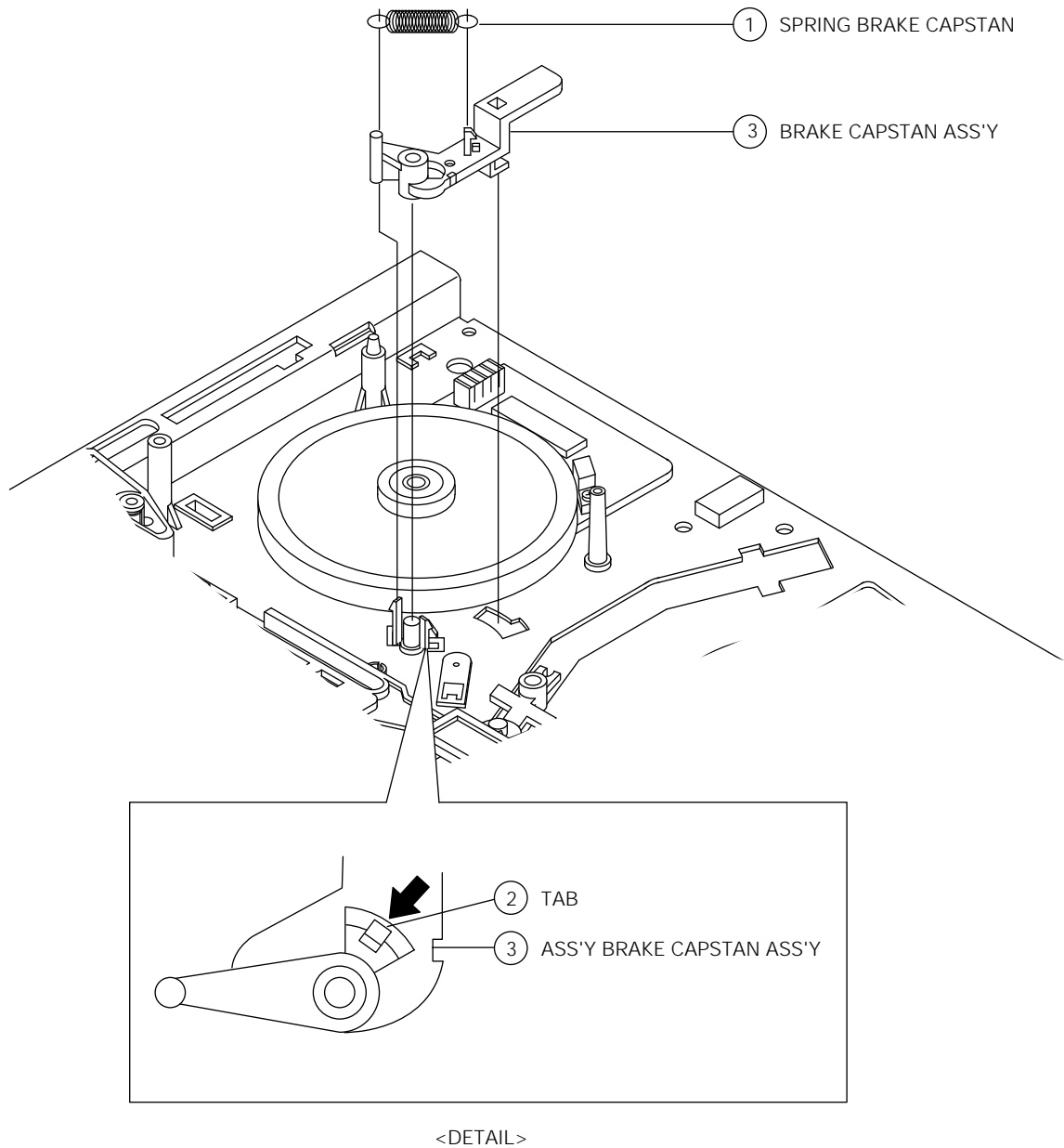


Fig. 1-39 Brake Capstan Ass'y Removal

1-4-20 Motor D.D Capstan Removal

1. Remove 3 Screws ①. (Top view)
2. Lift the Capstan D.D Motor ② in the direction of arrow. (Bottom view)

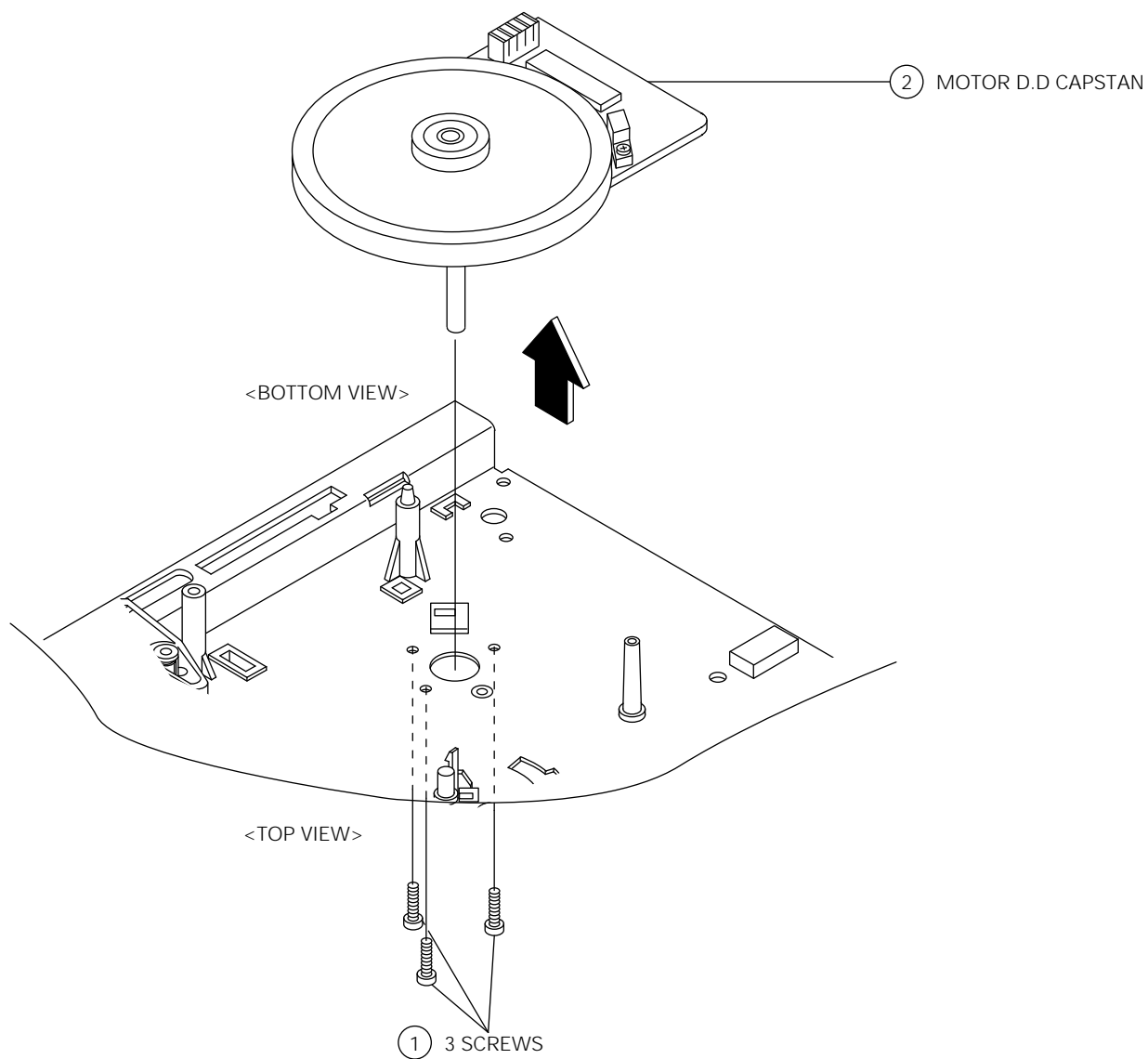


Fig. 1-40 Motor D.D Capstan Removal

1-4-21 Clutch Ass'y Removal

1. Remove the Slit Washer ①.
2. Lift the Clutch Ass'y ②.
3. Remove the Plain Washer ③.

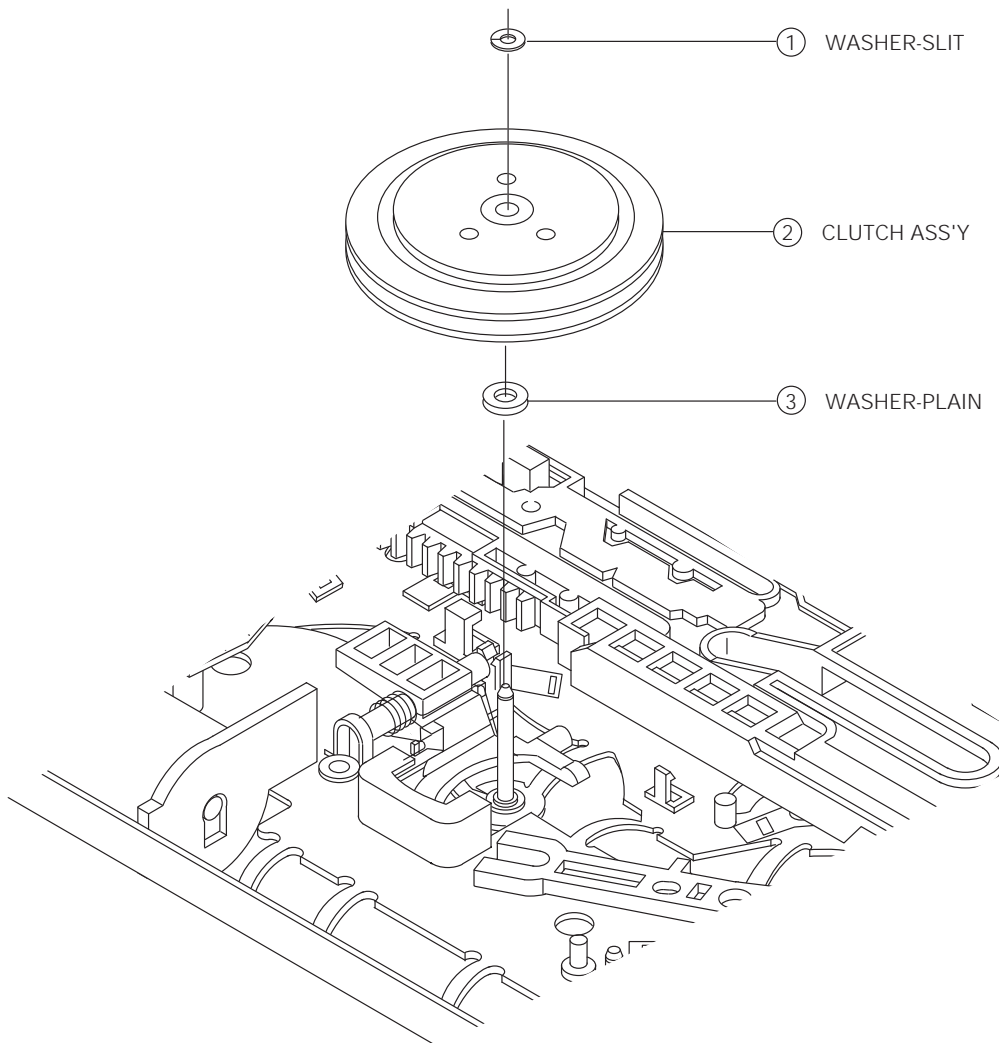


Fig. 1-41 Clutch Ass'y Removal

1-4-22 Gear Master Removal

1. Remove the Slit Washer ①.
2. Lift the Master Gear ②.

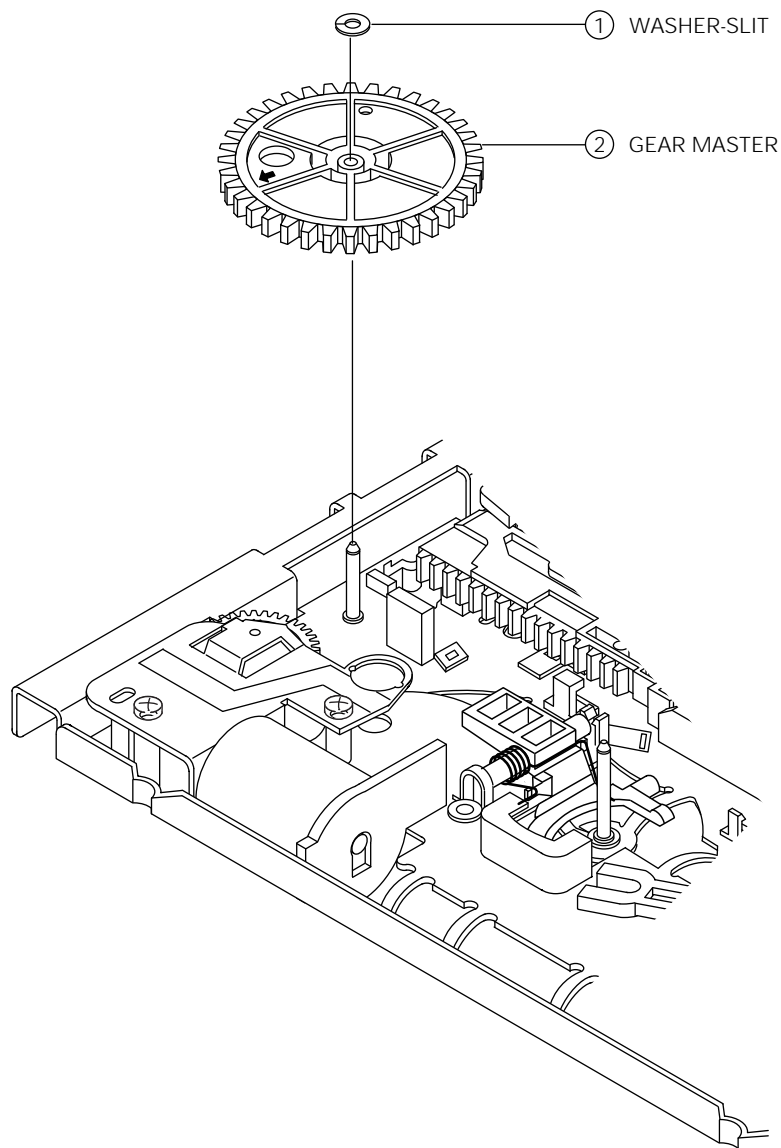


Fig. 1-42 Gear Master Removal

1-4-23 Assembly of Gear Master

1. When reinstalling, be sure to align the arrow of the Master Gear ① with home Gear of the Worm-Wheel Gear ②. (Refer to timing point)

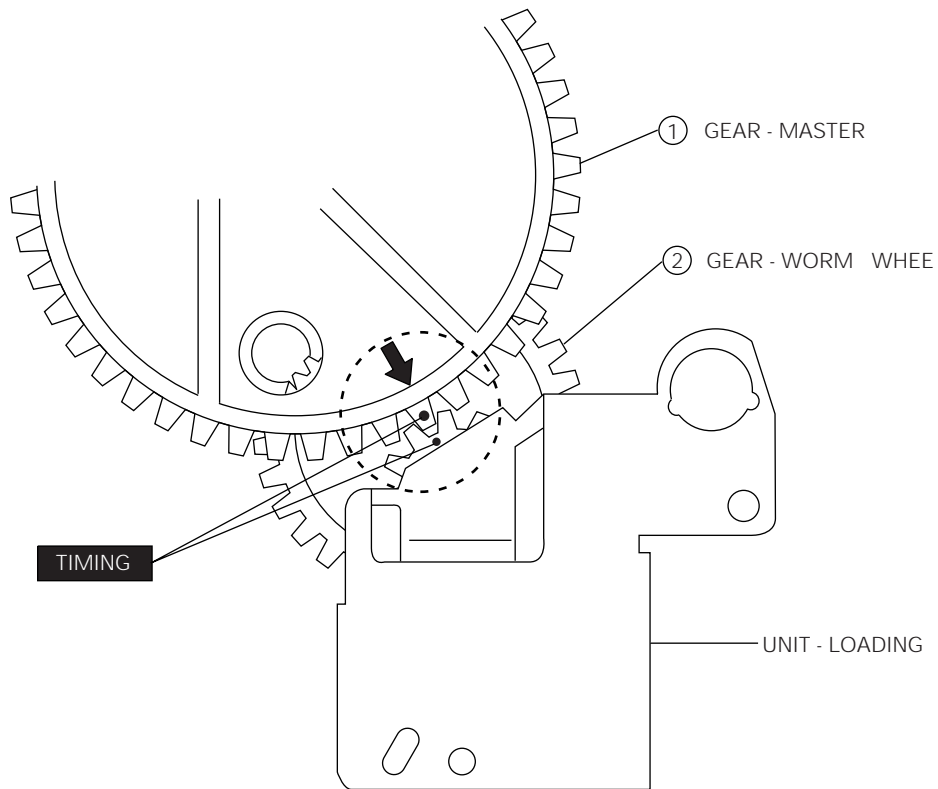


Fig. 1-43 Assembly of Gear Master

1-4-24 Unit Loading Removal

1. Remove 2 Screws ①.
2. Lift the Loading Unit ② in the direction of arrow.

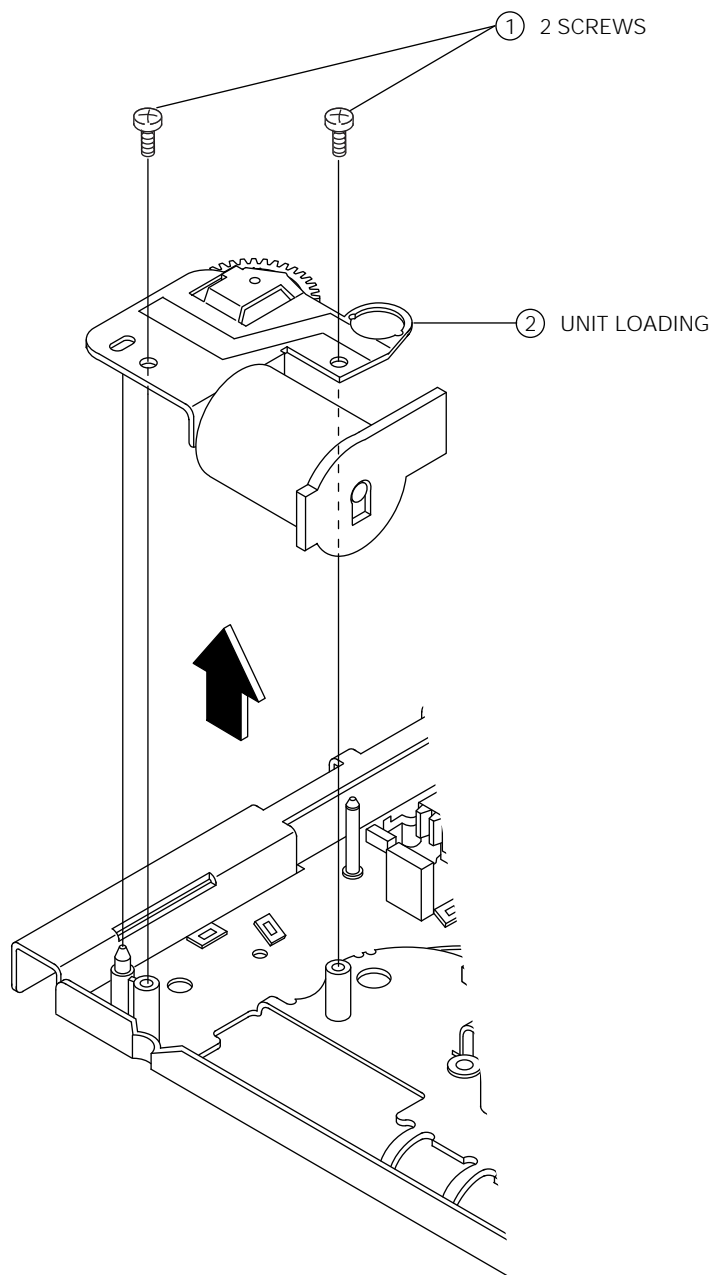


Fig. 1-44 Unit Loading Removal

1-4-25 Lever Slide Pinch Removal

1. Remove the Slit Washer ①.
2. Lift the Slide Lever Pinch ②.

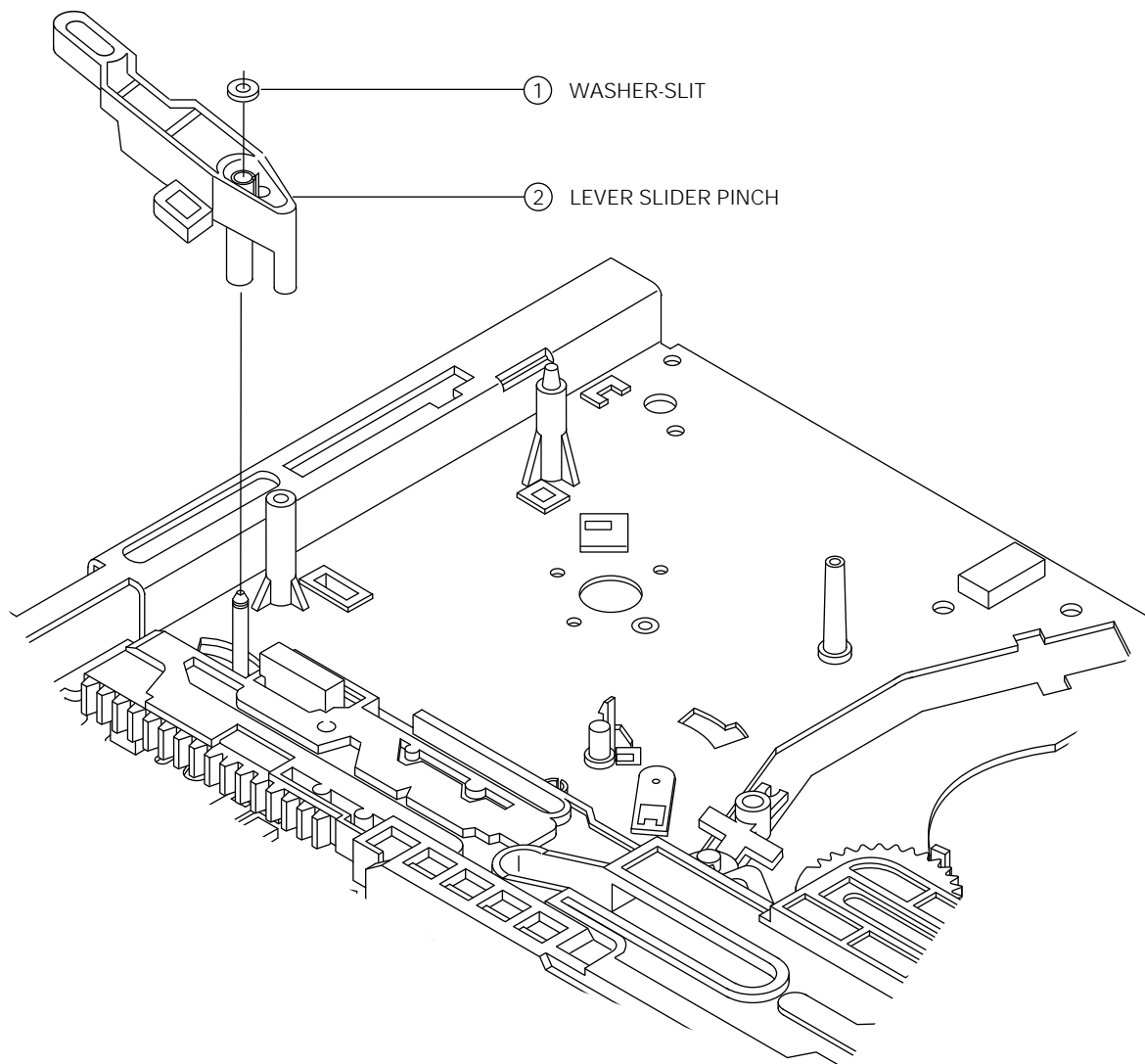


Fig. 1-45 Lever Slide Pinch Removal

1-4-26 Assembly of Lever Slide Pinch

1. Pull the Pinch Slide ① to the end in the direction of arrow.
2. Insert the Pinch Slide ① into the hole of Slide Lever Pinch ②. (Refer to detail "A")

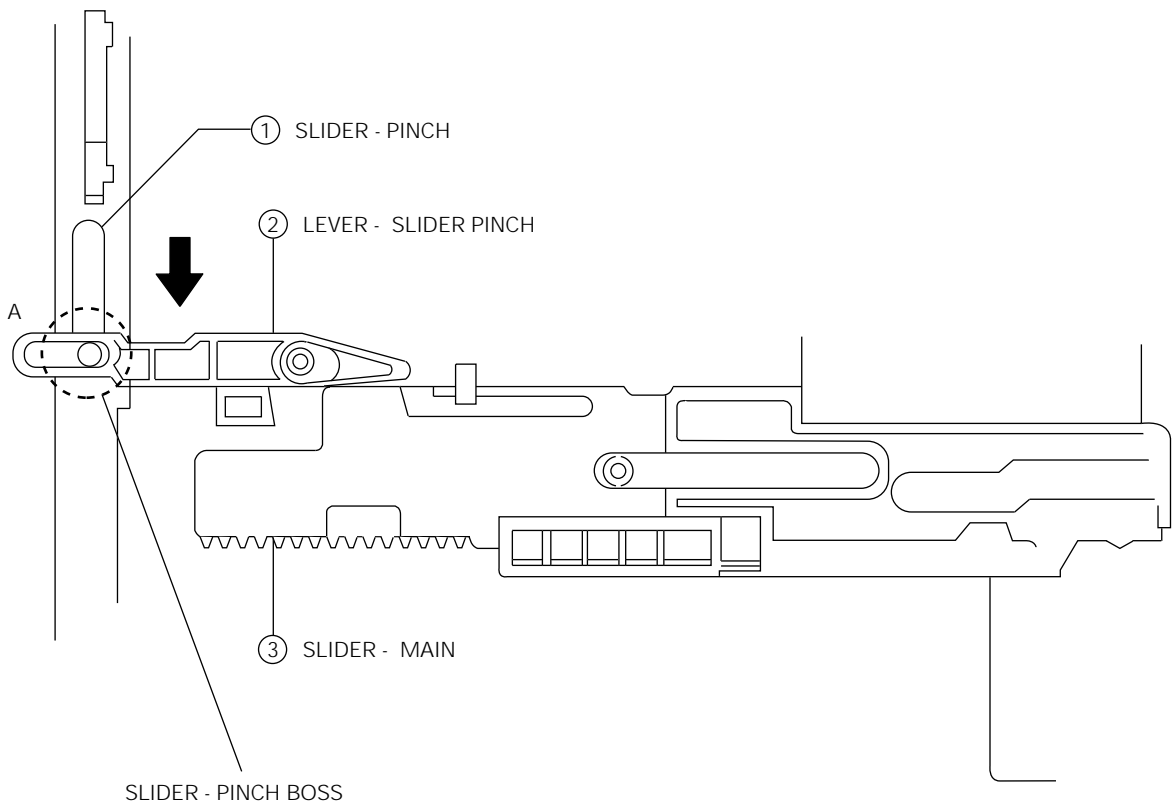


Fig. 1-46 Assembly of Lever Slide Pinch

1-4-27 Slide Main Removal

1. Remove the Slit Washer ①.
2. Release 3 tabs ②, ③, ④ in the direction of arrow.
3. Lift the Main Slide ⑤.

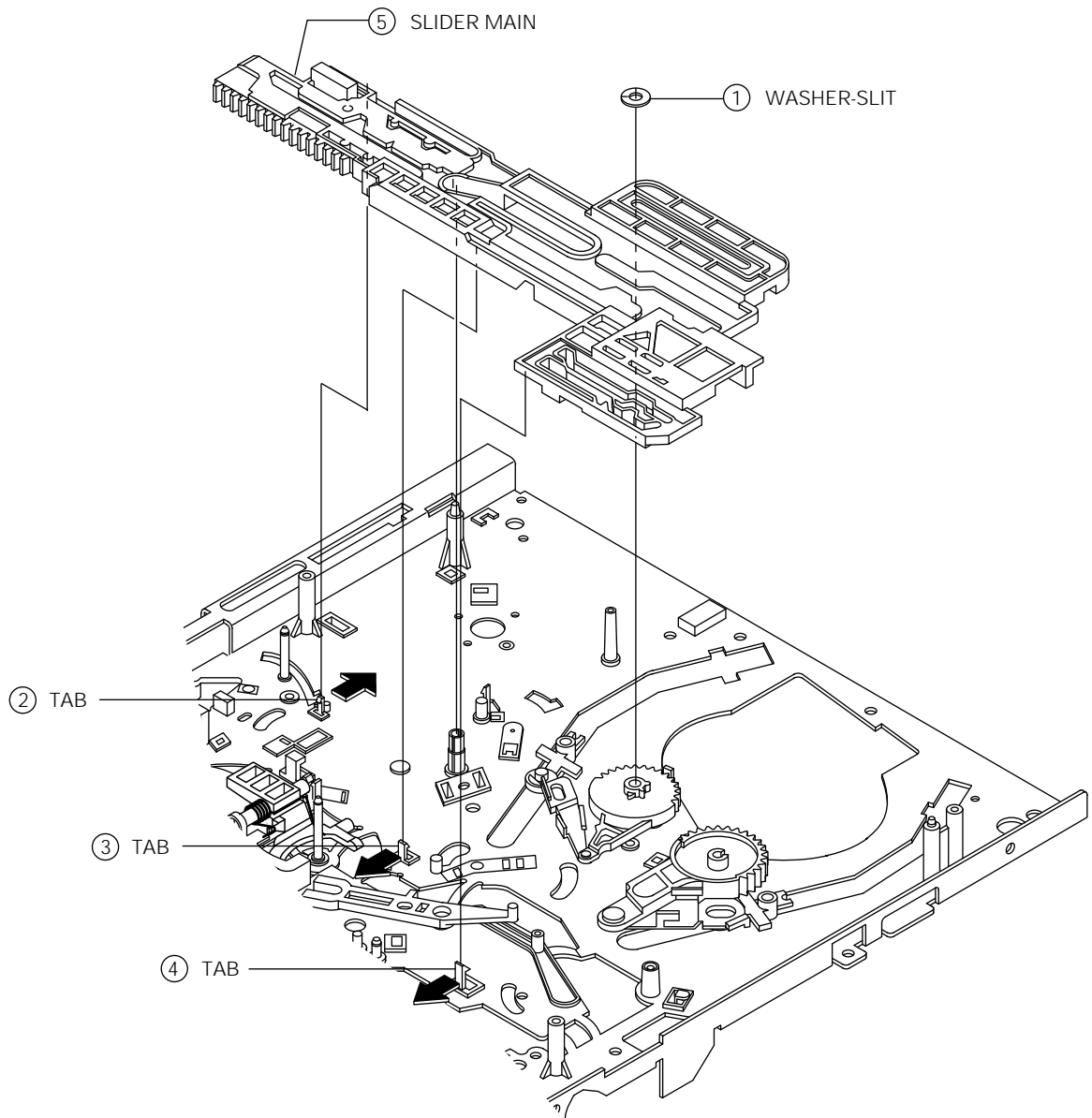


Fig. 1-47 Slide Main Removal

1-4-28 Assembly of Slide Main

1. Install the shaft of Loading "R" Gear Ass'y into the left of the Main Slide Hole and secure with the Slit Washer ②. (Refer to detail "A")
2. Insert the Tension Control Lever ③ and the Idler Change Lever ④ into the Main Slide Hole. (Refer to detail "B")
3. After confirming the above items 1, 2 install the Main Slide and secure with tabs (a, b, c).

Note : Be sure to assemble the Main Slide when the Loading L/R Gear Ass'y is in unloading position.

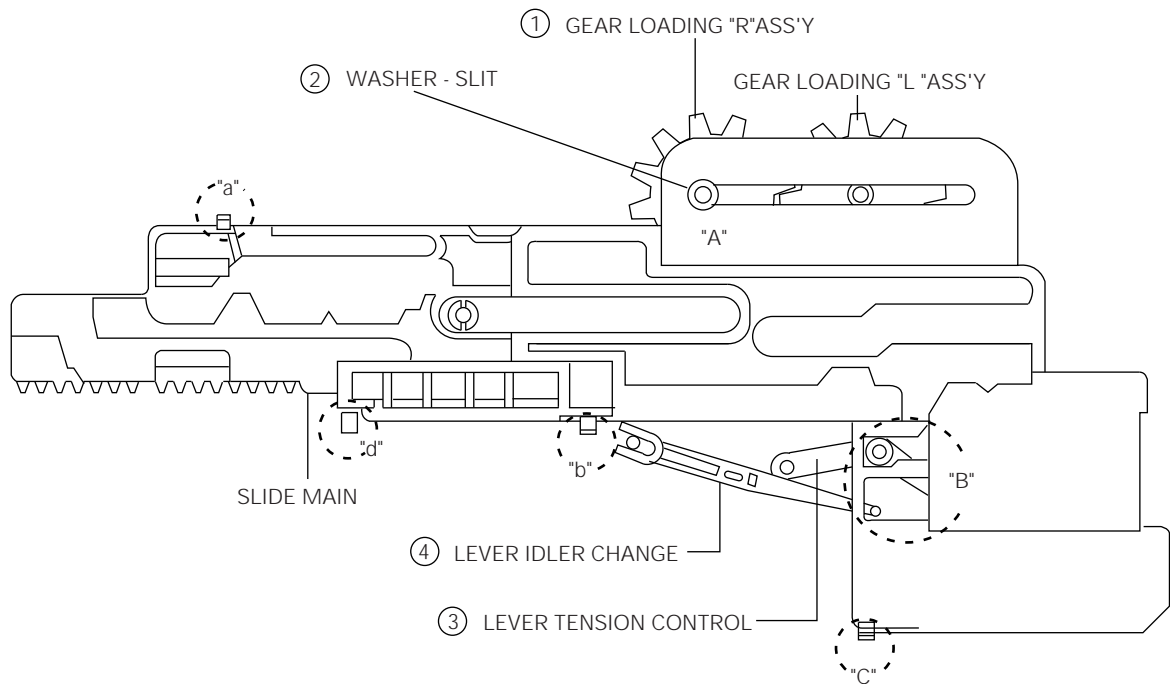


Fig. 1-48 Assembly of Slide Main

1-4-29 Lever Shift Ass'y Removal

1. Hang the Lever Shift Spring ① to the claw of the Shift Lever ③. (Refer to detail drawings A, B)
2. Release the tab ② in the direction of arrow.
3. Lift the Shift Lever ③.

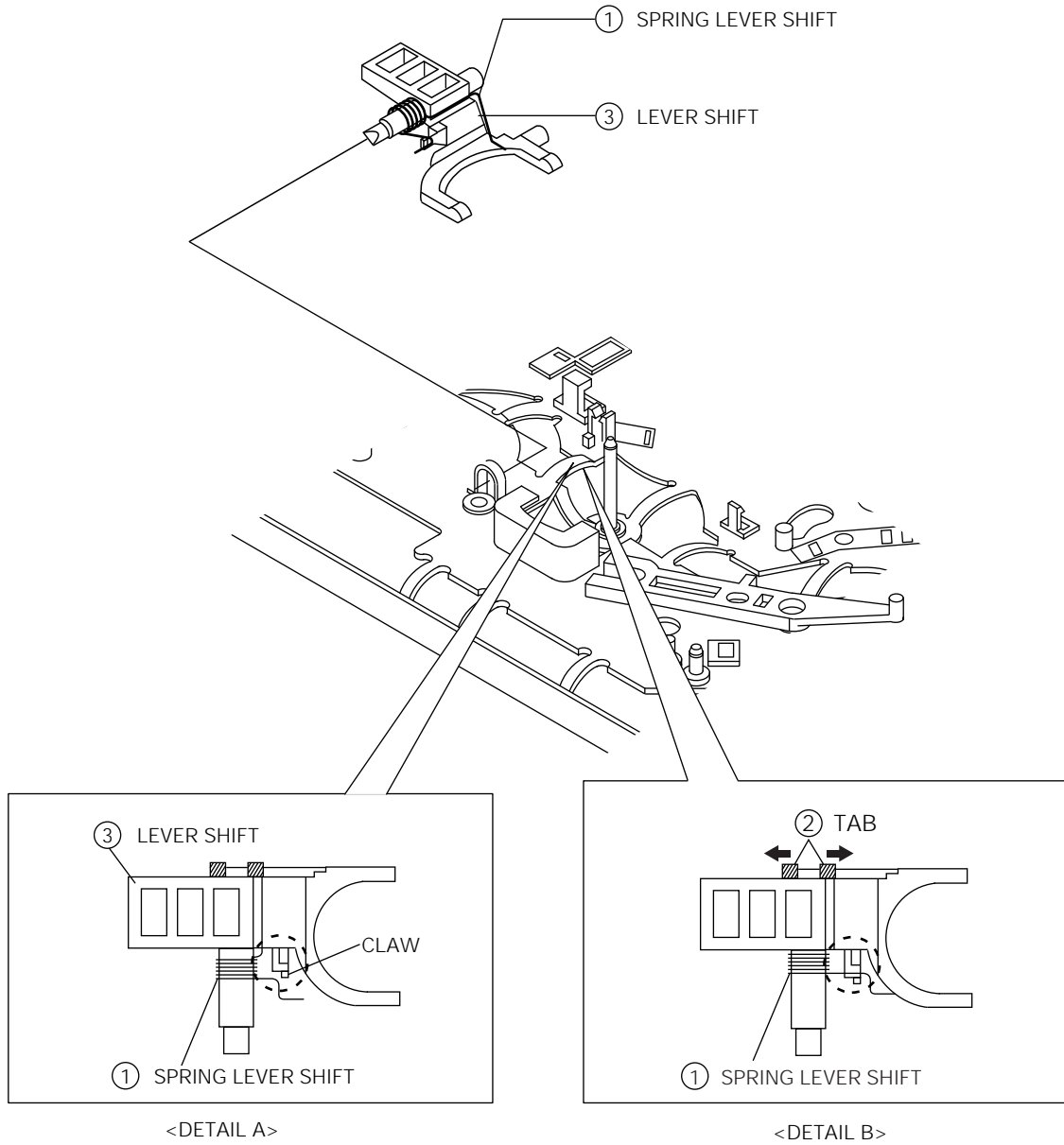


Fig. 1-49 Lever Shift Ass'y Removal

1-4-30 Lever Idler Change Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the lever Change Idler ②.

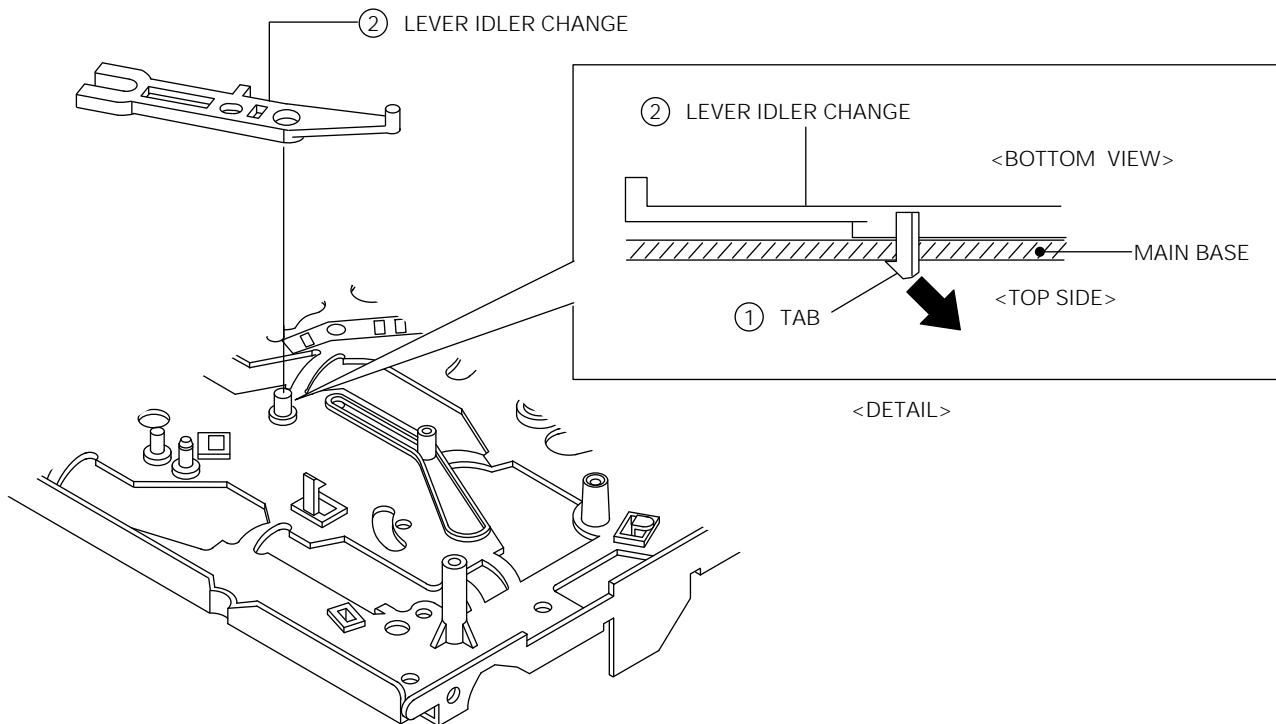


Fig. 1-50 Lever Idler Change Removal

1-4-31 Gear Loading "L", "R" Ass'y Removal

1. Remove the Loading "R" Gear Ass'y ② from the Roller "T" Guide ③ by pushing the Loading "R" Spring ① in the direction of arrow. (Refer to detail drawing A)
2. Remove the Loading "L" Gear Ass'y ⑤ from the Roller "S" Guide ⑥ by pushing the Loading "L" Spring ④ in the direction of arrow. (Refer to detail drawing B)
3. Lift the Loading "R" Gear Ass'y ②.
4. Lift the Loading "L" Gear Ass'y ⑤ by pushing the tab ⑦ of the Loading "L" Gear Ass'y ⑤. (Refer to detail drawing C)

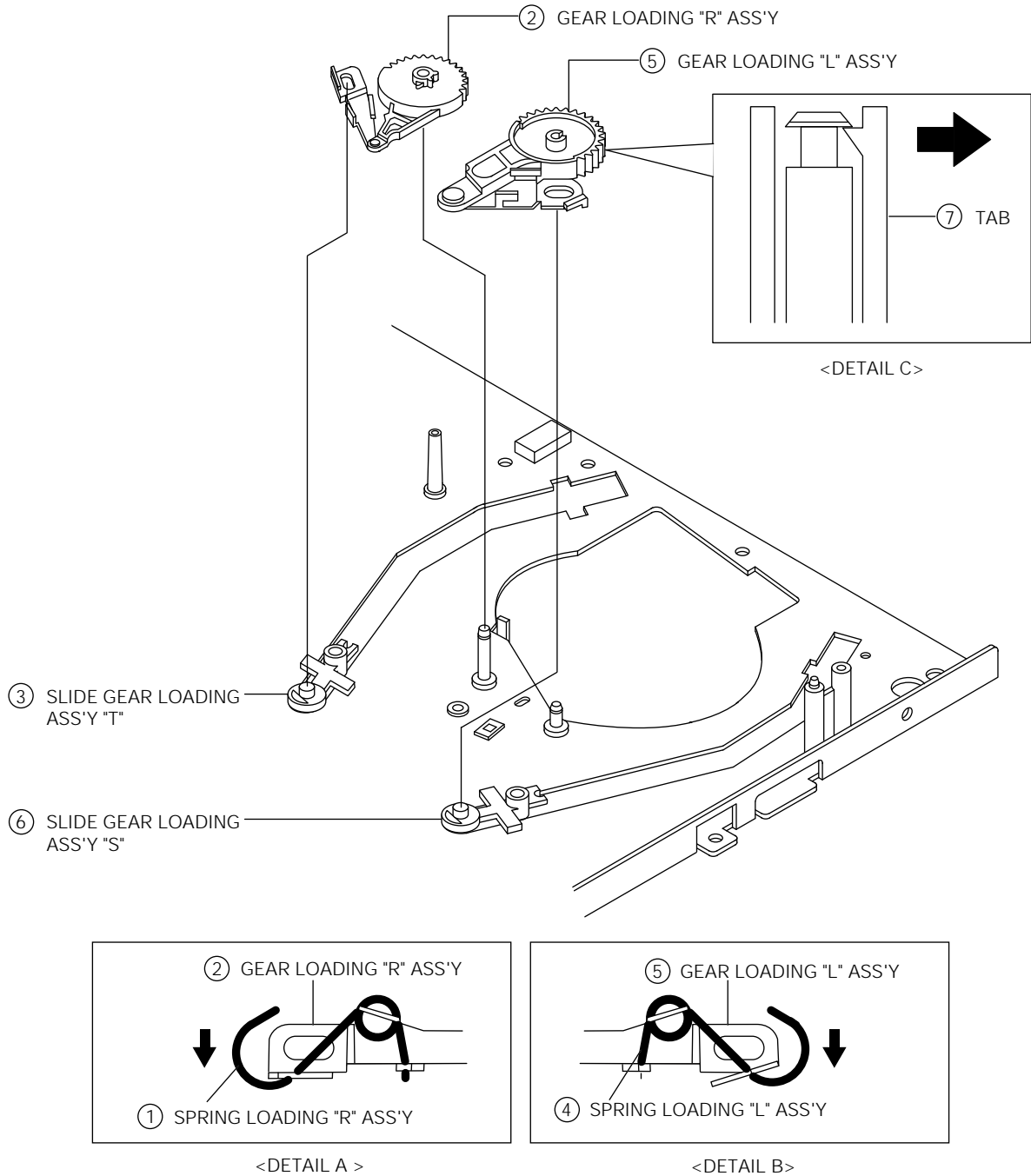


Fig. 1-51 Gear Loading "L", "R" Ass'y Removal

1-4-32 Assembly of Gear Loading "L", "R" Ass'y

1. When reinstalling, be sure to align 2 arrow as shown in Fig. 1-52. (Refer to timing point)

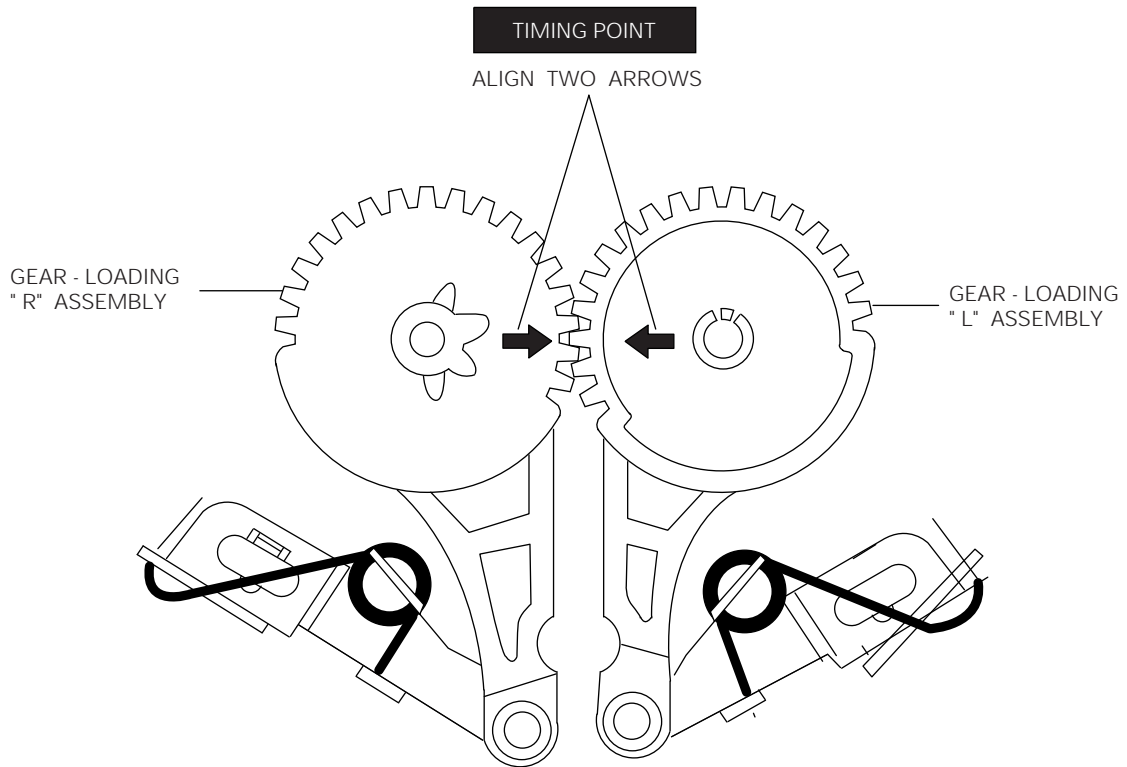


Fig. 1-52 Assembly of Gear Loading "L", "R" Ass'y

1-4-33 Slide Pinch Removal

1. Push the tab ① in the direction of arrow "A". (Refer to detail drawing)
2. Lift the Slide Pinch ② in the direction of arrow "B".

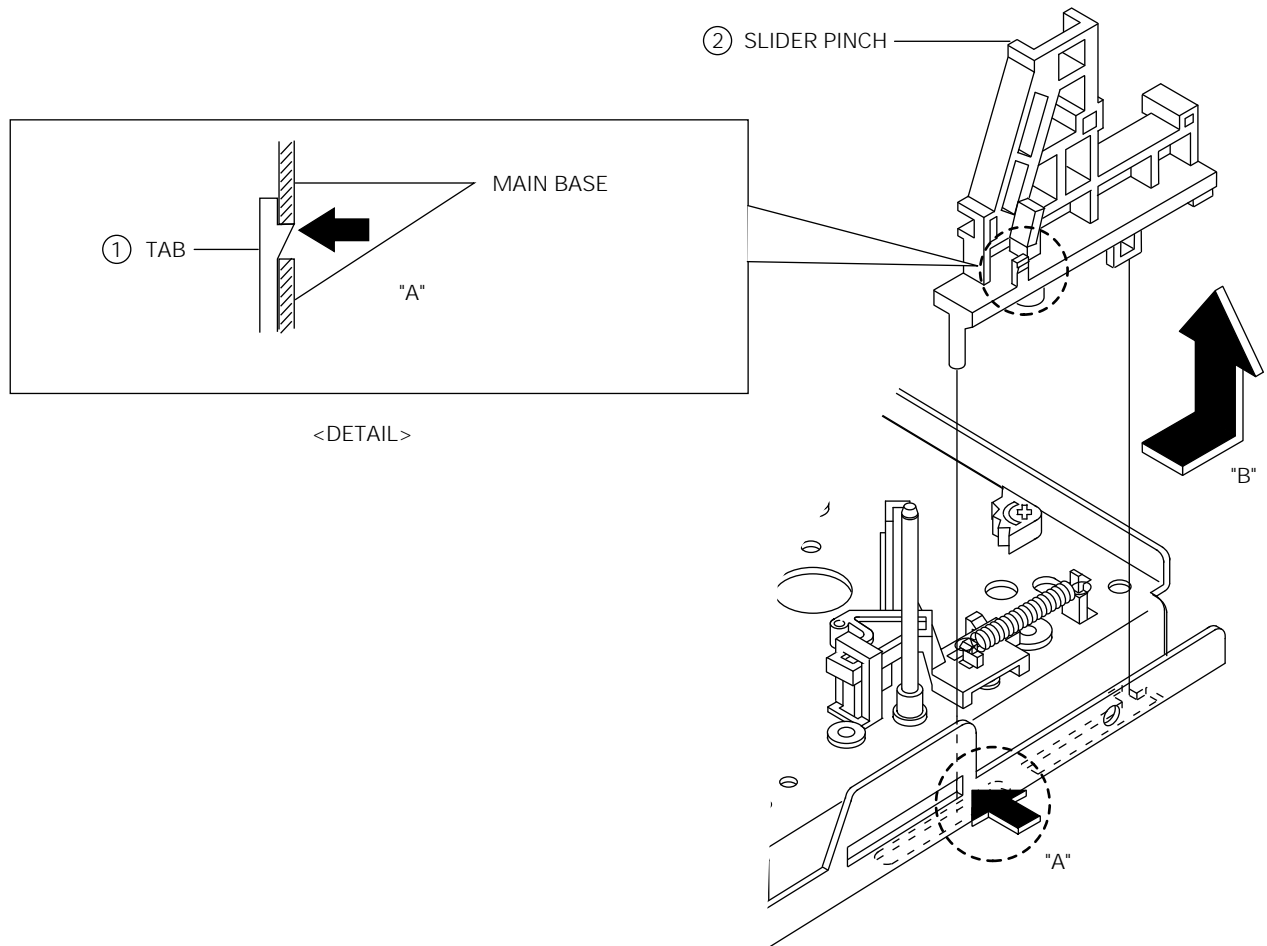


Fig. 1-53 Slide Pinch Removal

1-4-34 Slide Push Removal

1. Remove the Slide Push Spring ①.
2. Push the Slider ② in the direction of arrow "A".
3. Lift the Push Slider ② by pushing the tab ③ in the direction of arrow "B". (Refer to detail drawing)

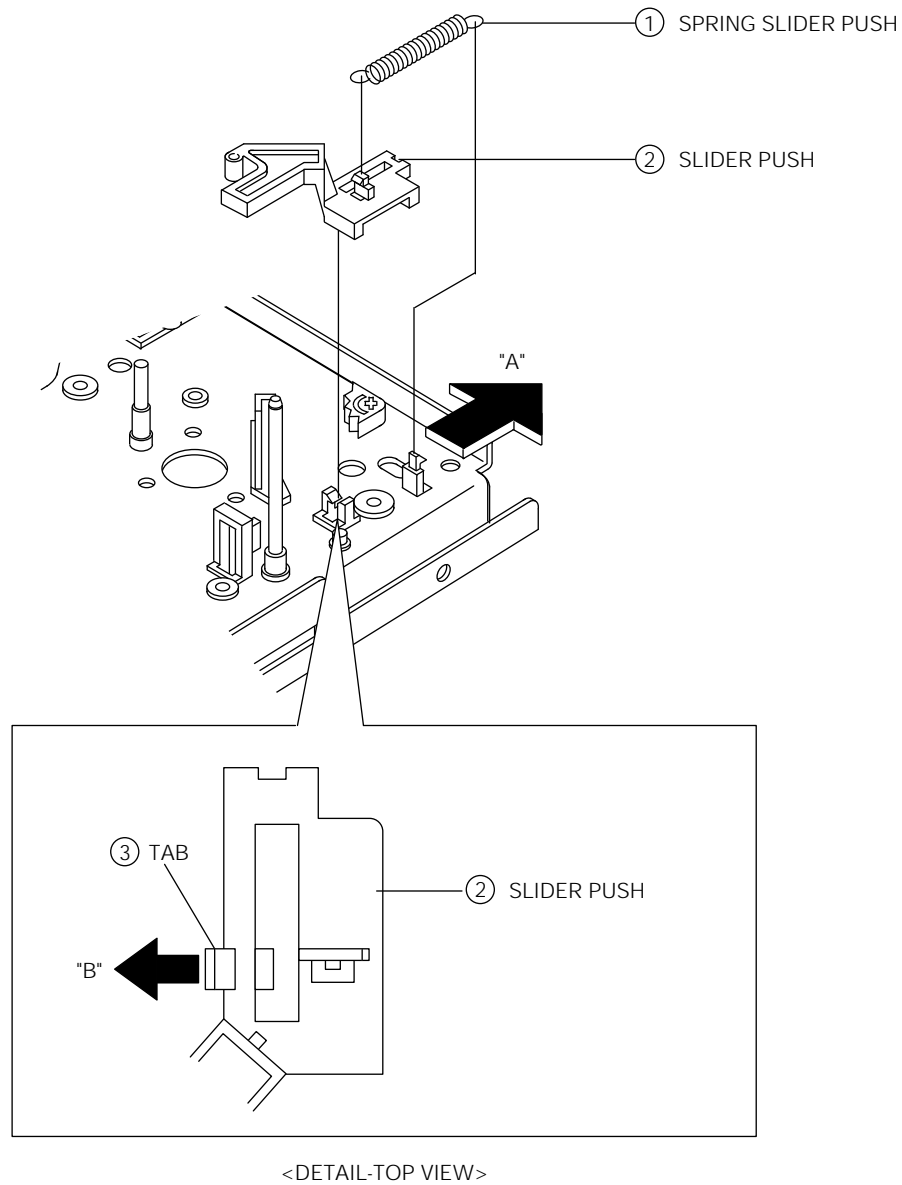


Fig. 1-54 Slide Push Removal

1-4-35 Prism LED Removal

1. Release the tab ① in the direction of arrow. (Refer to detail drawing)
2. Lift the LED Prism ②.

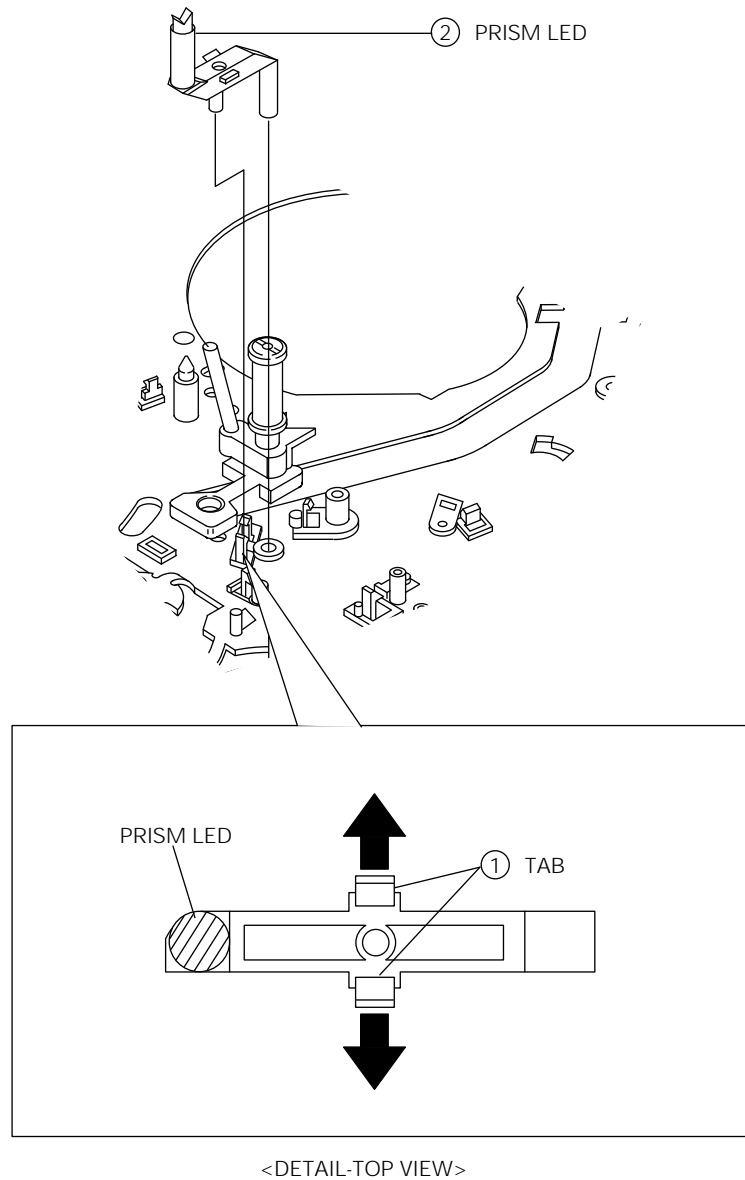


Fig. 1-55 Prism LED Removal

1-4-36 Lever Record Switch Removal

1. Remove the Record Switch Spring ①.
2. Release the tab ② in the direction of arrow. (Refer to detail drawing)
3. Lift the Record Switch Lever ③.

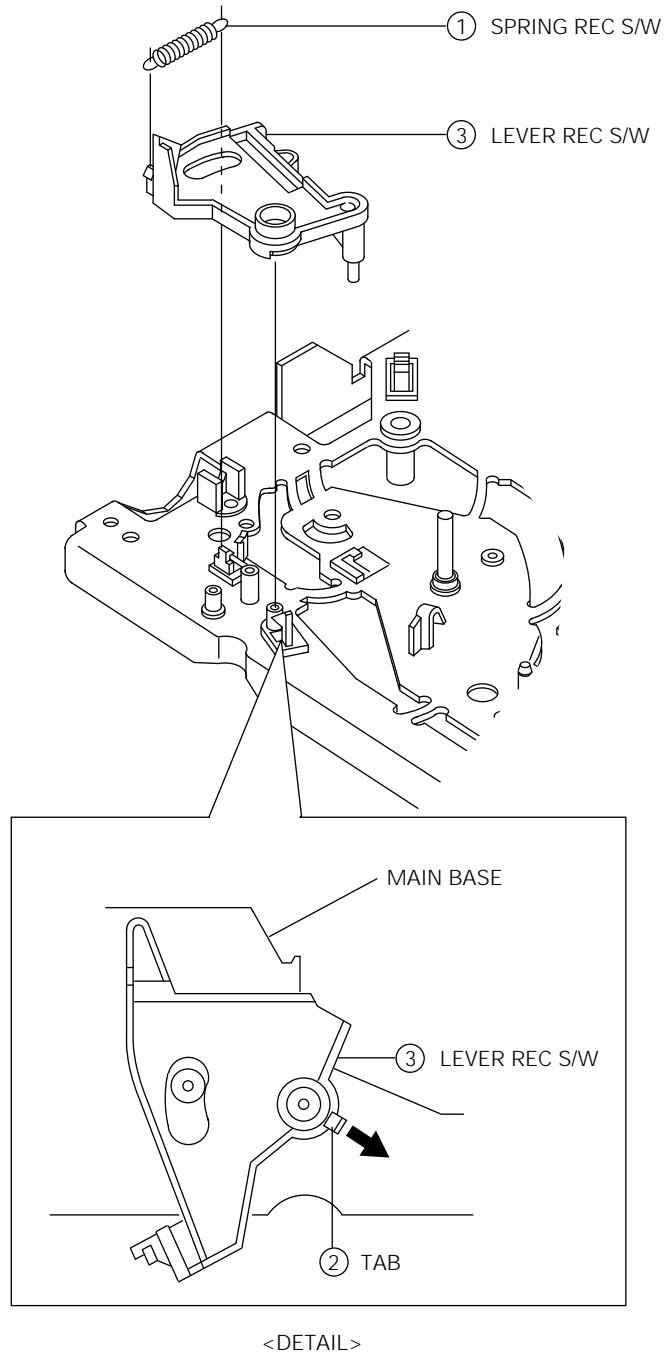


Fig. 1-56 Lever Record Switch Removal

1-4-37 Full Erase Head Removal

1. Remove 1 Screw ①.
2. Lift the F/E Magnet Head ②.

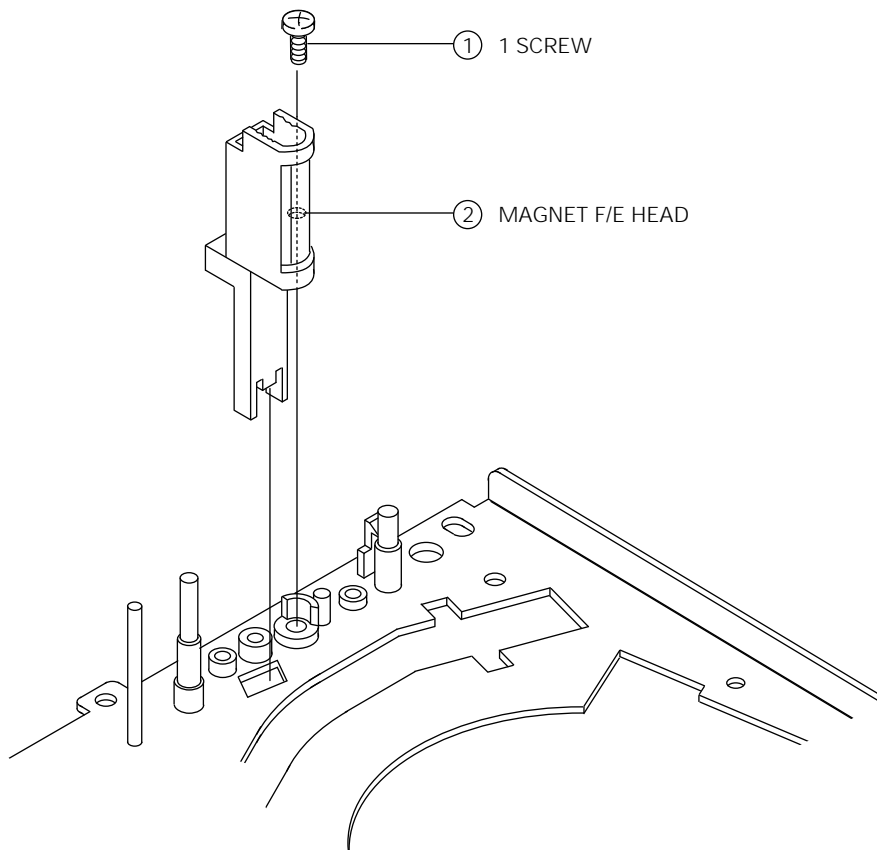


Fig. 1-57 Full Erase Head Removal

1-4-38 ACE Head Removal and Reassembly

1. Release the tab ① holding ACE Holder toward arrow. (Refer to detail drawing A)
2. Remove 1 Screw ②.
3. Lift the ACE Head Ass'y Magnet ③.

Assembly : When reinstalling, be sure to align the 3 teeth of X-Position adjustment gear with the 2 slot of ACE Head Base.

Note : When adjusting the X-Position adjustment gear using (+) driver, do not adjust by force.

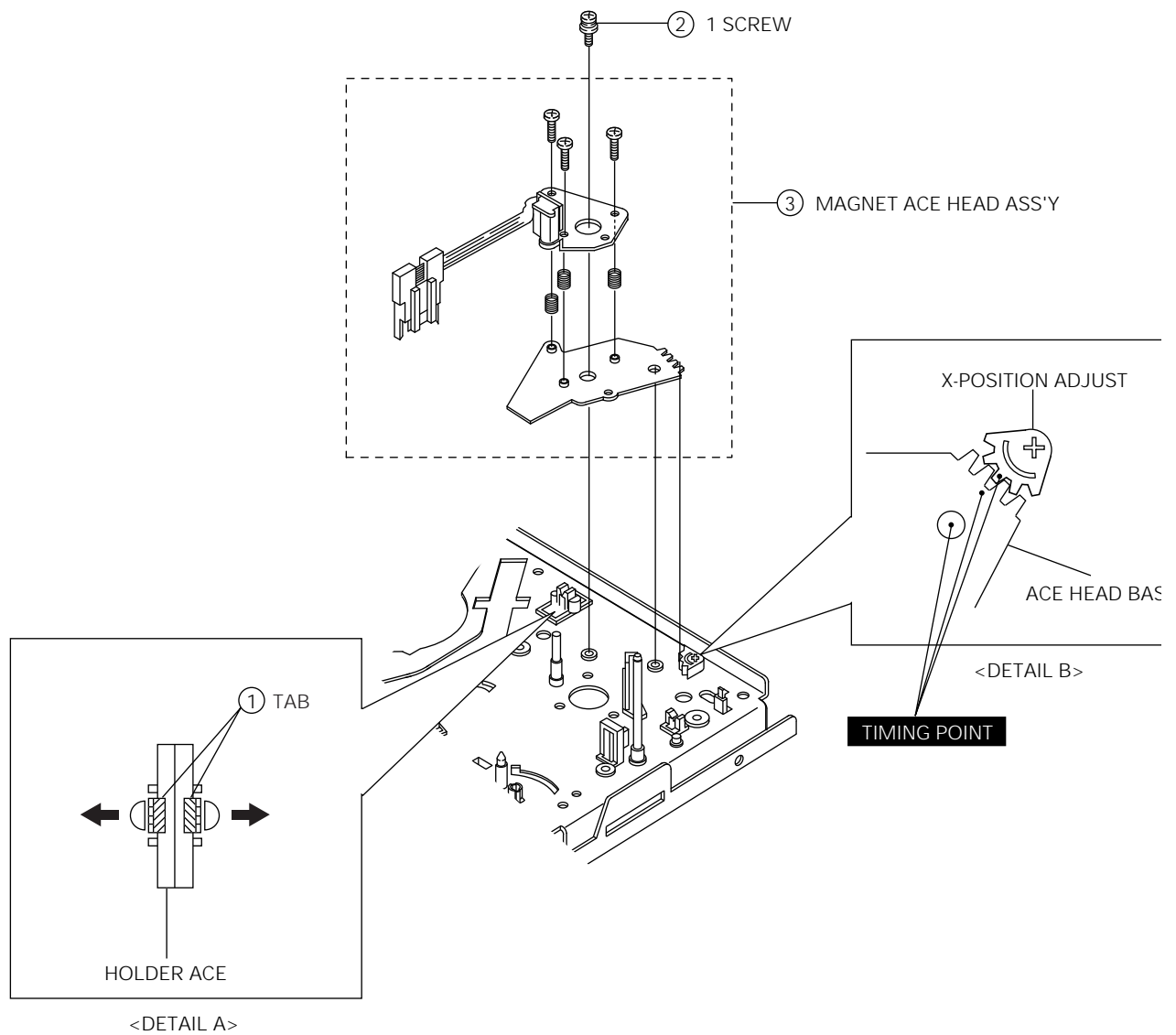


Fig. 1-58 ACE Head Ass'y Removal and Reassembly

1-4-39 Slide Guide Roller "S", "T" Ass'y Removal

1. Remove the Cylinder Ass'y from the Main Base. (Refer to Fig. 1-12, 1-13, 1-14)
2. Remove the Slide "S", "T" from the Loading "L", "R" Gear Ass'y. (Refer to Fig. 1-52)
3. Move the Roller "S", "T" Guide Ass'y to slot and then lift it to remove. (Refer to arrow)

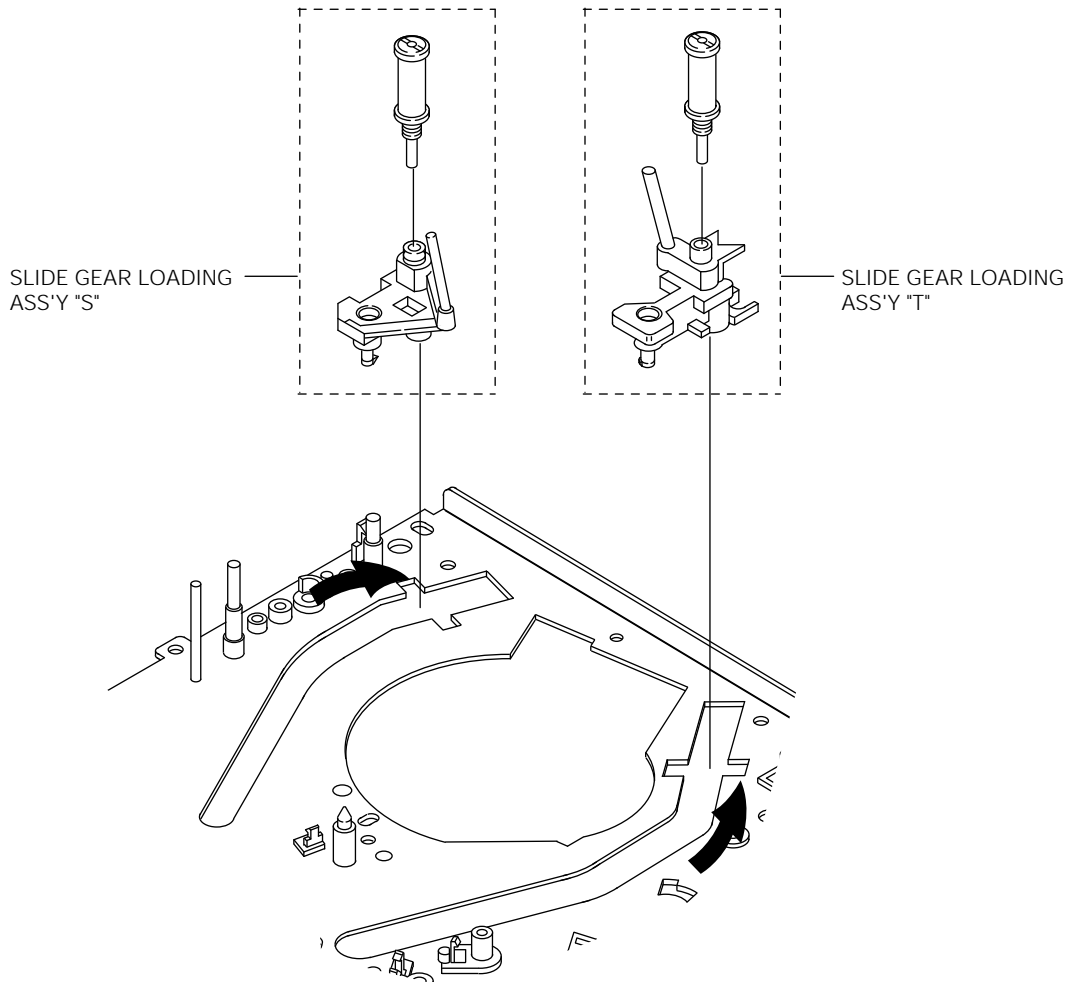


Fig. 1-59 Slide Guide Roller "S", "T" Ass'y Removal

1-4-40 Assembly of Slide Guide Roller "S", "T" Ass'y (When all parts except the Cylinder Ass'y are removed.)

1. Push 4 Lever Locks ① of the Housing Ass'y Simultaneously. (Refer to Fig. 1-60)
2. Push the Cassette Ass'y Holder ③ toward arrow "B" while turning the Master Gear ② toward arrow "A".
(Refer to Fig. 1-60)
3. Load the Loading L, R Gear Ass'y ④, ⑤ to the middle position of Guide Rail by turning the Master Gear ② toward arrow "A". (Refer to Fig. 1-60, 1-61)
4. Install the Guide Roller S, T Slide ⑥, ⑦ into the Rail slot and then move it to the position of Loading Gear L, R Ass'y ④, ⑤. (Refer to Fig. 61)
5. Turn the Master Gear ② toward arrow "A". (Eject mode)

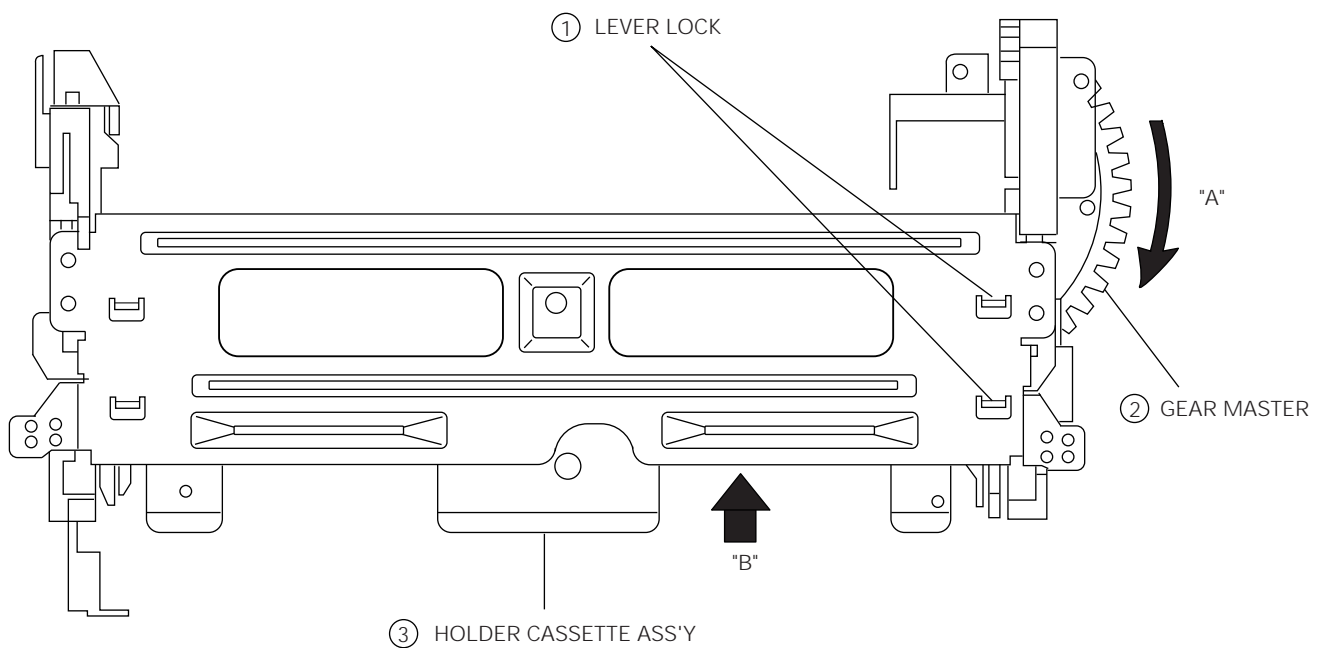


Fig.1-60 How to operate the Housing Ass'y

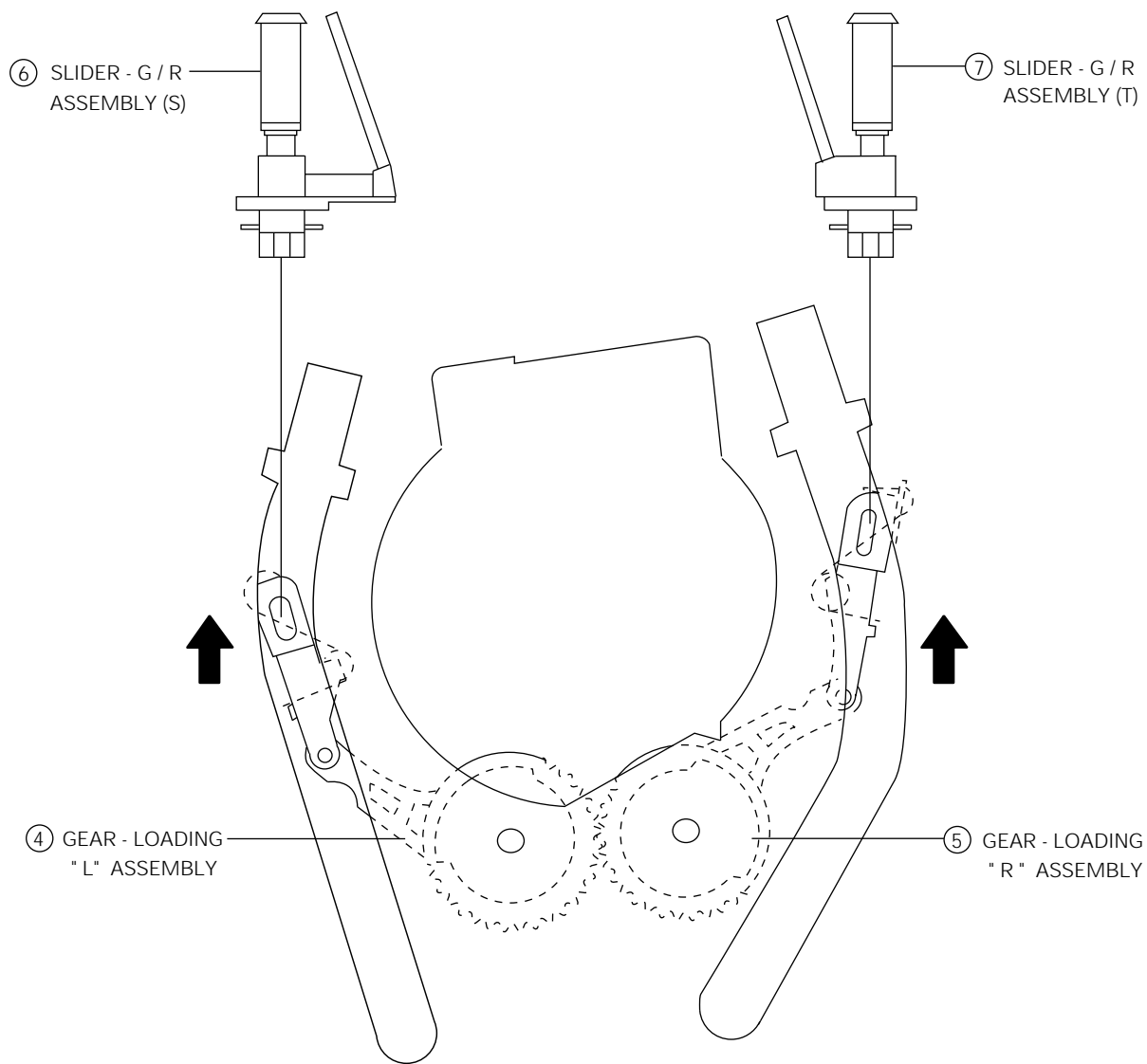


Fig. 1-61 Assembly of Slide Guide Roller "S", "T" Ass'y

1-5 Cleaning and Lubrication

1-5-1 Cleaning Tape Mechanism

Periodic cleaning of the tape mechanism is necessary. To clean the following parts, use patch and solvent :

1. Capstan Shaft
2. All tape guide posts
3. Clutch Pulley
4. Pinch roller
5. Belt Capstan
6. Capstan Motor Pulley

1-5-2 Cleaning of Rotating and Stationary Heads

To clean video heads, full erase head, and the audio/control (A/C) head we recommend using a head cleaning kit and solvent.

Note : When cleaning video heads, move the cleaning stick in the direction of head rotation (wiping in a vertical direction may damage the heads.)

Press a chamois cloth which has been dipped in cleaning fluid lightly against the rotating Cylinder Ass'y. Clean slowly by rotating the Upper Cylinder Ass'y by hand.

Note : Never turn the Motor on when cleaning.

1-5-3 Lubrication of Tape Mechanism

The tape transport mechanism is properly lubricated at the factory. In normal use cycles, and with average environmental conditions, additional lubrication should not be required during the first year of operation.

Depending on the frequency of use and environmental conditions, periodic lubrication may be required. When lubricating, first remove the old lubricant, then sparingly apply new lubricant. Excessive lubricant is transferred to other assemblies, malfunction will result.

Use grease on the following parts every 1,000 hours. (See exploded view for location) :

1. Between base pole assembly (L, R) and main base
2. Gear Loading L, R
3. Slide Main
4. Lever Shift
5. Gear Master
6. Lever Slide Pinch
7. Pinch Roller
8. Slide Pinch
9. Base Cylinder

Oil may be required for the following parts after 1,000 hours. (See exploded view for location) :

Main Base

1. Arm Tension molding
2. Shaft Reel Disk L, R
3. Shaft Gear Relay S, T
4. Shaft Idler
5. Shaft Clutch

Other parts which are not listed above do not require lubrication, except when parts are replaced. Use appropriate oil or grease as indicated on the exploded view.

THE ASSEMBLY PROCEDURES OF DECK PARTS

| NO | DESCRIPTION | SUBPARTS | LOCATE | REMARK |
|----|------------------------|----------------------|-------------|--------------|
| 1 | BASE MAIN ASS'Y | GREASE | TOP VIEW | |
| 2 | MOTOR D.D CAPSTAN | 3 SCREWS | TOP VIEW | |
| 3 | LEVER JOG ASS'Y | 1 SCREW | TOP VIEW | DX8-A/DX8-AC |
| 4 | GEAR RELAY "S" ASS'Y | 1 WASHER SLIT | TOP VIEW | |
| 5 | GEAR RELAY "T" ASS'Y | 1 WASHER SLIT | TOP VIEW | |
| 6 | IDLER ASS'Y | 1 WASHER SLIT | TOP VIEW | |
| 7 | REEL DISK "L" ASS'Y | 1 WASHER PLAIN | TOP VIEW | |
| 8 | REEL DISK "R" ASS'Y | 1 WASHER PLAIN | TOP VIEW | |
| 9 | ARM TENSION FULL ASS'Y | | TOP VIEW | |
| 10 | SLIDE G/R ASS'Y (S) | | TOP VIEW | |
| 11 | SLIDE G/R ASS'Y (T) | | TOP VIEW | |
| 12 | SLIDE PUSH | | TOP VIEW | |
| 13 | SLIDER PINCH | GREASE | TOP VIEW | |
| 14 | GEAR LOADING "L" ASS'Y | | BOTTOM VIEW | |
| 15 | GEAR LOADING "R" ASS'Y | | BOTTOM VIEW | |
| 16 | LEVER IDLER CHANGE | | BOTTOM VIEW | |
| 17 | LEVER SHIFT ASS'Y | SPRING GUIDE | BOTTOM VIEW | |
| 18 | SLIDER MAIN | 1 WASHER SLIT | BOTTOM VIEW | |
| 19 | LEVER SLIDER PINCH | 1 WASHER SLIT | BOTTOM VIEW | |
| 20 | CLUTCH ASS'Y | 1 WASHER SLIT, PLAIN | BOTTOM VIEW | |
| 21 | BRAKE CAPSTAN ASS'Y | | BOTTOM VIEW | |
| 22 | SPRING BRAKE CAPSTAN | | BOTTOM VIEW | |
| 23 | UNIT LOADING | 2 SCREWS | BOTTOM VIEW | |
| 24 | GEAR MASTER | 1 WASHER SLIT | BOTTOM VIEW | |
| 25 | BELT CAPSTAN | | BOTTOM VIEW | |
| 26 | LEVER REVIEW | | TOP VIEW | |
| 27 | ARM REVIEW ASS'Y | | TOP VIEW | |
| 28 | LEVER PINCH CAM | | TOP VIEW | |
| 29 | LEVER PINCH COMP ASS'Y | | TOP VIEW | |
| 30 | SPRING ARM PINCH | | TOP VIEW | |
| 31 | UNIT PINCH ROLLER | 1 WASHER SLIT | TOP VIEW | |
| 32 | BRAKE MAIN "L" ASS'Y | | TOP VIEW | |
| 33 | BRAKE MAIN "R" ASS'Y | | TOP VIEW | |
| 34 | SPRING BRAKE MAIN | | TOP VIEW | |
| 35 | BRAKE SUB "L" ASS'Y | | TOP VIEW | |
| 36 | BRAKE SUB "R" ASS'Y | | TOP VIEW | |
| 37 | SPRING BRAKE SUB "L" | | TOP VIEW | |
| 38 | SPRING BRAKE SUB "R" | | TOP VIEW | |

| NO | DESCRIPTION | SUBPARTS | LOCATE | REMARK |
|----|-----------------------|----------|----------|---------------|
| 39 | PRISM LED | | TOP VIEW | |
| 40 | SLIDER RACK HOUSING | | TOP VIEW | |
| 41 | LEVER REC S/W | | TOP VIEW | |
| 42 | SPRING REC S/W | | TOP VIEW | |
| 43 | SPRING TENSION | | TOP VIEW | |
| 44 | SPRING SLIDE PUSH | | TOP VIEW | |
| 45 | MAGNET ACE HEAD ASS'Y | 1 SCREW | TOP VIEW | |
| 46 | HOUSING ASS'Y | 3 SCREWS | TOP VIEW | |
| 47 | CYLINDER ASS'Y | 3 SCREWS | TOP VIEW | |
| 48 | MAGNET F/E HEAD | 1 SCREW | TOP VIEW | |
| 49 | STOPPER TAPE | | TOP VIEW | DX7-A/DX8-A |
| | HEAD CLEANER ASS'Y | | TOP VIEW | DX7-AC/DX8-AC |
| | | | | |

Note: Stopper tape has deleted from JAN.1998

MEMO

2. Alignment and Adjustment

2-1 Tape Transport System and Adjustment Locations

The tape transport system has been adjusted precisely in the factory. Alignment is not necessary except for the following :

1. Noise observed on the screen.
2. Tape damage.
3. Parts replacement in the tape transport system.

Lower flange height of tape guide is used as the reference for the transport adjustment.

To maintain the height of the tape guide and prevent damage, do not apply excessive force onto the main base.

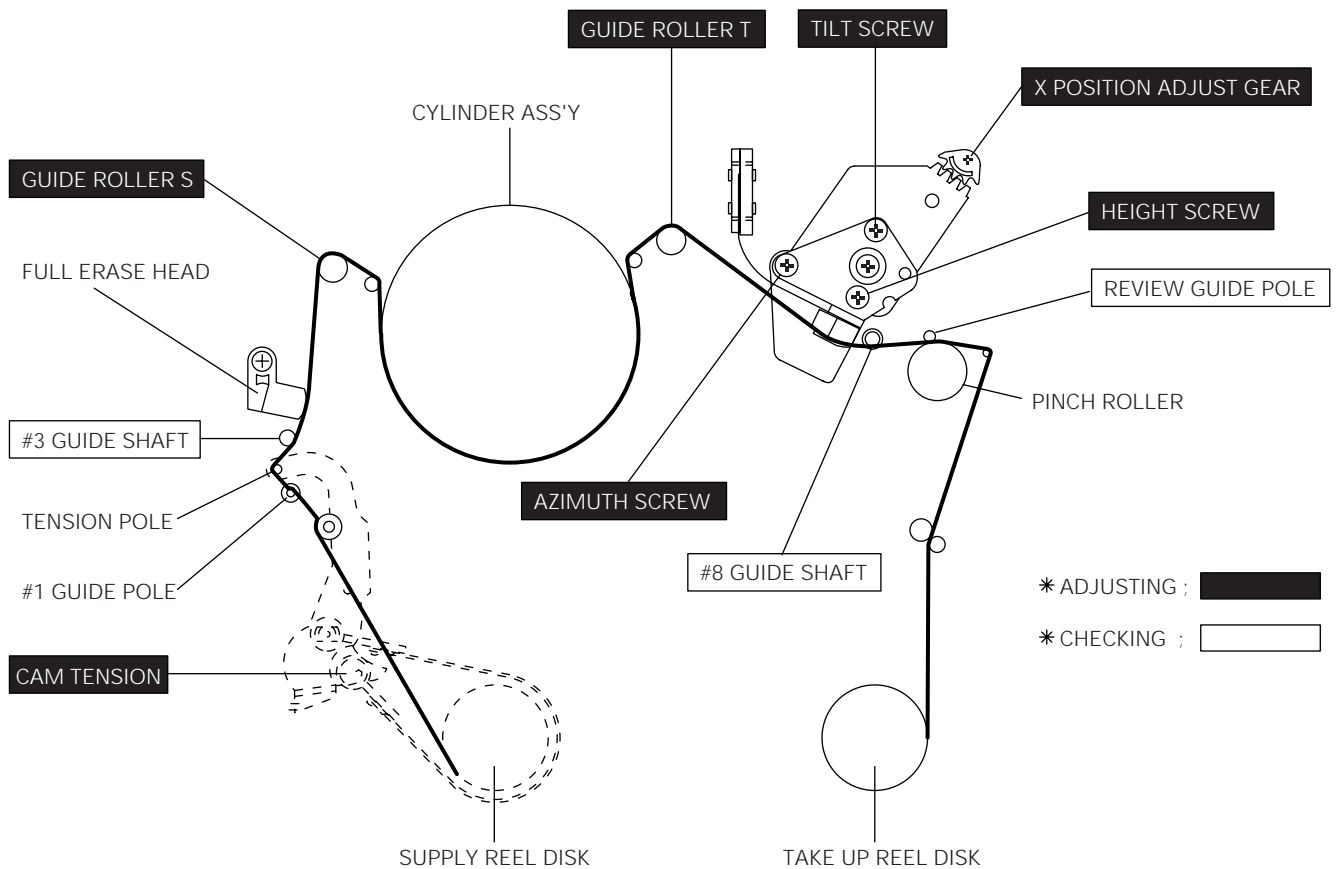


Fig. 2-1 Location of Tape Transport Adjustment

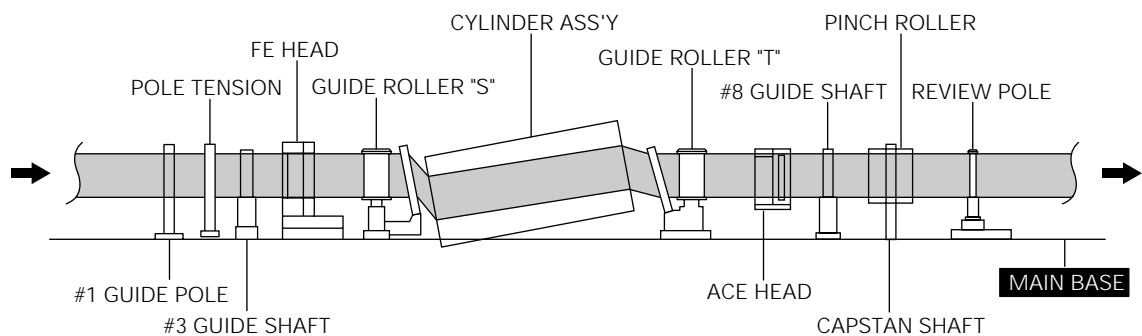


Fig. 2-2 Tape Travel Diagram

2-2 Tape Transport System Adjustment

When parts are replaced, perform the required adjustments by referring to precedures for the tape transport system. If there are any changes to the tape path, first run a T-120 (E-180) tape and make sure excessive tape wrinkle does not occur at the tape guides.

1. If tape wrinkle is observed at the S, T-guide rollers, turn the S, T-guide rollers until wrinkle disappears.
2. If the tape wrinkle is still observed at the tape guide, perform the tilt adjustment of the A/C head.
(See page 5-1 of the Service Manual for Test Point Locations.)

2-2-1 A/C Head Assembly Adjustment

2-2-1 (a) A/C HEAD HEIGHT ADJUSTMENT

- 1) Run the alignment tape (Color bar) in the playback mode.
- 2) Observe surface of the audio head using a dental mirror.
- 3) Turn screw (A), (B), (C) clockwise or counterclockwise until the gap of lower tape edge and the lower edge of the control head is about 0.25mm. (Refer to Fig. 2-3 and 2-4)

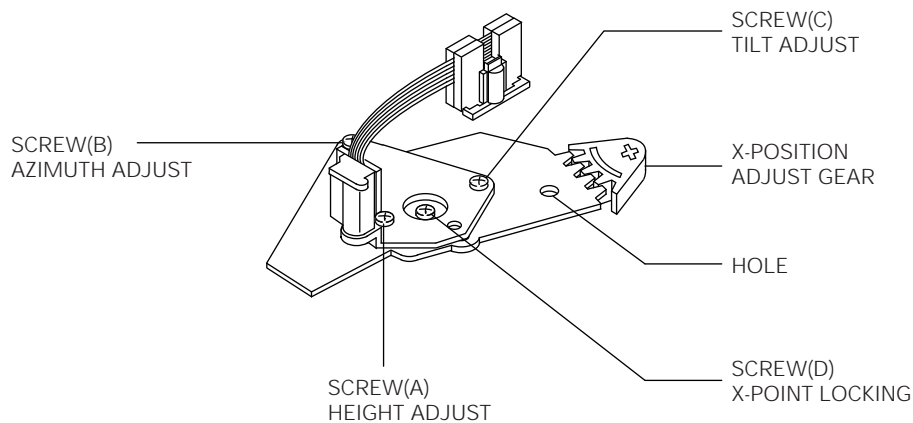


Fig. 2-3 Location of A/C Head Adjustment Screw

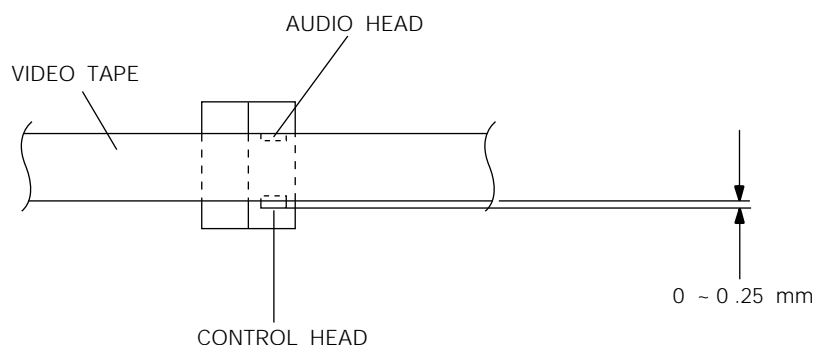


Fig. 2-4 A/C Head Height Adjustment

2-2-1 (b) A/C HEAD TILT ADJUSTMENT

1. Playback a T160 (E-240) tape and observe the position of the tape at the lower flange of tape guide.
2. Confirm that there is no curl or wrinkle at the lower flange of tape guide as shown in Fig.2- 5 (B)
3. If a curl or wrinkle of the tape occurs, slightly turn the screw (C) tilt adjust on the A/C Head ass'y.
4. Reconfirm the A/C head height.

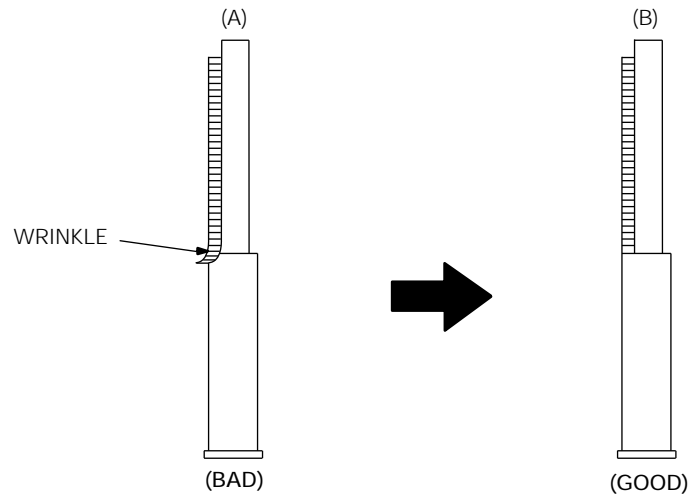


Fig. 2-5 Tape Guide Check

2-2-1 (c) AUDIO AZIMUTH ADJUSTMENT

1. Load alignment tape (Mono scope) and playback the NTSC : 7KHz (PAL : 6KHz) signal.
2. Connect channel-1 scope probe to audio output test point.
3. Adjust screw (B) to achieve maximum audio level. (See Fig. 2-3)

2-2-1 (d) A/C HEAD POSITION (X-POINT) ADJUSTMENT

1. See page 5-2 of the Service Manual for A/C Head position (X-Point) adjustment.

2-2-2 Linearity adjustment (S, T-guide rollers adjustment)

1. Playback the Mono Scope alignment tape (SP mode).
2. Observe the video envelope signal on an oscilloscope (triggered by the video switching pulse).
3. Make sure the video envelope waveform (at its minimum) meets the specification shown in Fig. 2-6.
If it does not, adjust as follows :

Note : a=Maximum output of the video RF envelope.
 b=Minimum output of the video RF envelope at the entrance side.
 c=Minimum output of the video RF envelope at the center point.
 d=Maximum output of the video RF envelope at the exit side.

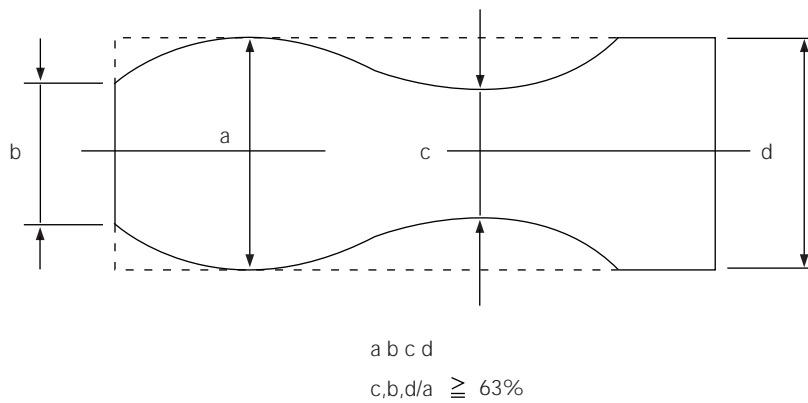


Fig. 2-6 Envelope Waveform Adjustment

4. If the section A in Fig. 2-7 does not meet the specification, adjust the S-guide roller up or down.
5. If the section B in Fig. 2-7 does not meet the specification, adjust T-guide roller up or down.

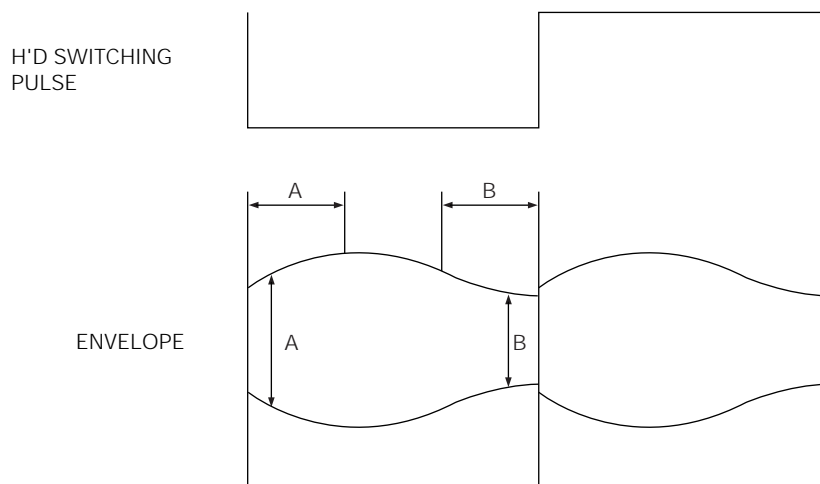



Fig. 2-7 Adjustment Points

6. Play back the Mono Scope alignment tape (SP mode).
7. Connect an oscilloscope CH-1 to the Envelope and CH-2 to the H'D SW Pulse for triggering.
8. Turn the guide roller heads with a flat head () driver to obtain a flat video RF envelope as shown in Fig. 2-8.
9. After the adjustment is completed, tighten the set screws.

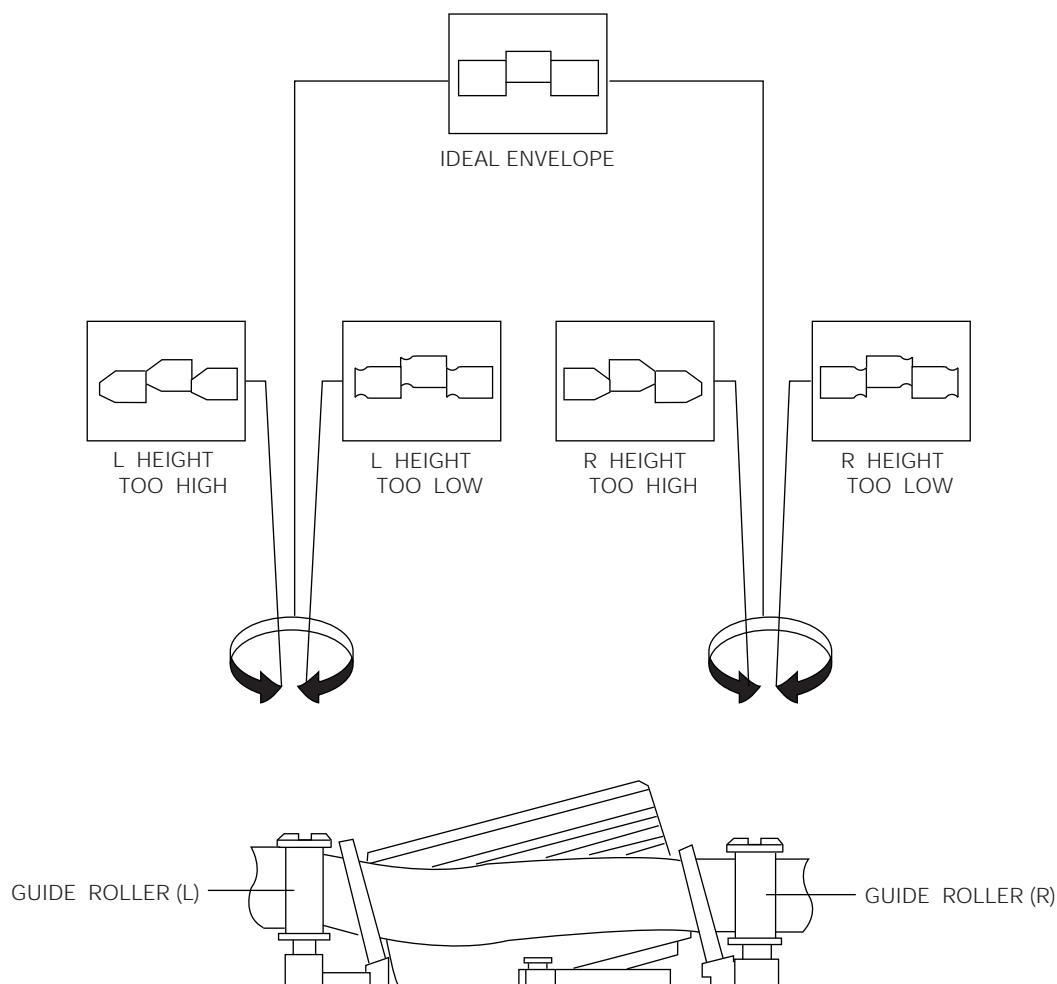


Fig. 2-8 S, T-Guide Roller Height Adjustment

2-2-3 Check Transitional Operation from RPS to Play

Check transition from RPS mode to play mode : Using a pre-recorded SP tape, make sure the entry side of envelope comes to an appropriate steady state within 3 seconds (as shown in Fig. 2-9). If the envelope waveform does not reach specified peak-to-peak amplitude within 3 seconds, adjust as follows :

1. Make sure there is no gap between the supply roller lower flange and the tape.
If there is a gap, adjust the supply guide roller again.
2. Change operation mode from the RPS to the play mode (again) and make sure the entry side of envelope rises within 3 second.

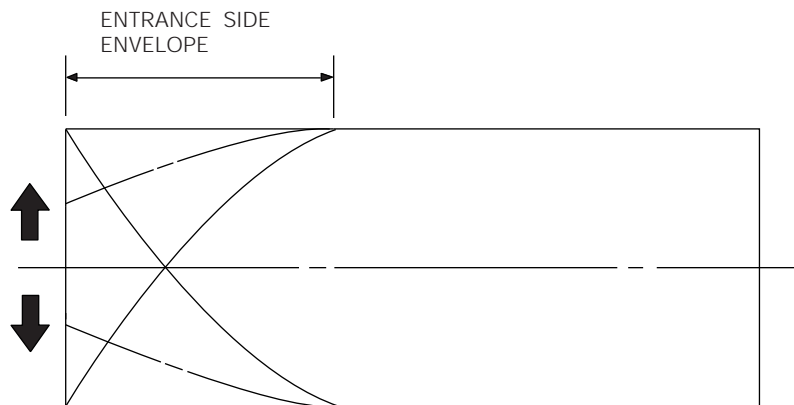


Fig. 2-9 Video Envelope Rising when Operation mode Changes from RPS to Play Mode

2-2-4 Envelope Check

1. Make recordings on T-120 (E-120) and T-160 (E-180) tape. Make sure the playback output envelope meets the specification as shown in Fig. 2-10.
2. Play back a self recorded tape (recording made on the unit using with T-120, E-120). The video envelope should meet the specification as shown in Fig. 2-10. In SP mode, (A) should equal (B).
If the head gap is wide, upper cylinder should be checked.

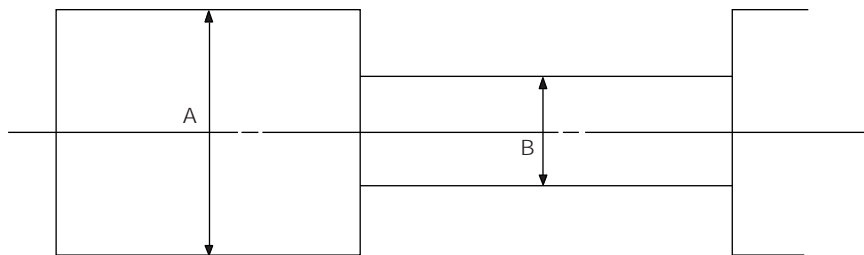


Fig. 2-10 Envelope Output and Output Level

2-2-5 Tape Wrinkle Check

1. Run the T-160 (E-240) tape in the playback, FPS, RPS and Pause modes and observe tape wrinkle at each guide.
2. If excessive tape wrinkle is observed, perform the following adjustments in Playback mode :

- ◆ Tape wrinkle at the S, T-guide roller section : Linearity adjustment.
- ◆ Tape wrinkle at tape guide flange : A/C head assembly coarse adjustment.

2-3 Reel Torque

2-3-1 Reel Torque

1. The rotation of the capstan motor drives the clutch ass'y through the capstan motor belt.
2. Brake operation and shift operation in FF/REW are done by a leverslide.
3. Transportation of accurate driving force is done by gears (clutch ass'y).

Note : If the spec does not meet the followings specifications, replace the clutch ass'y and then recheck.

| MODE | TORQUE g/cm | GAUGE |
|--------|-------------|----------------------|
| PB/REC | 100 ± 30 | Cassette Torquemeter |
| RPS | 170 ± 30 | Cassette Torquemeter |
| FF/REW | Minimum 600 | Torque Gauge |

2-3-2 Location of Tension Pole and Back Tension Adjustments

1. Remove the housing ass'y and set the deck to "PLAY" mode.
2. Adjust the tension cam to 0 ~ -0.5mm from the center of supply roller.
3. The back tension meter should read 41 ~ 51g.cm. (PAL : 40 ~ 47g.cm)

Counterclockwise : Torque UP
 Clockwise : Torque DOWN

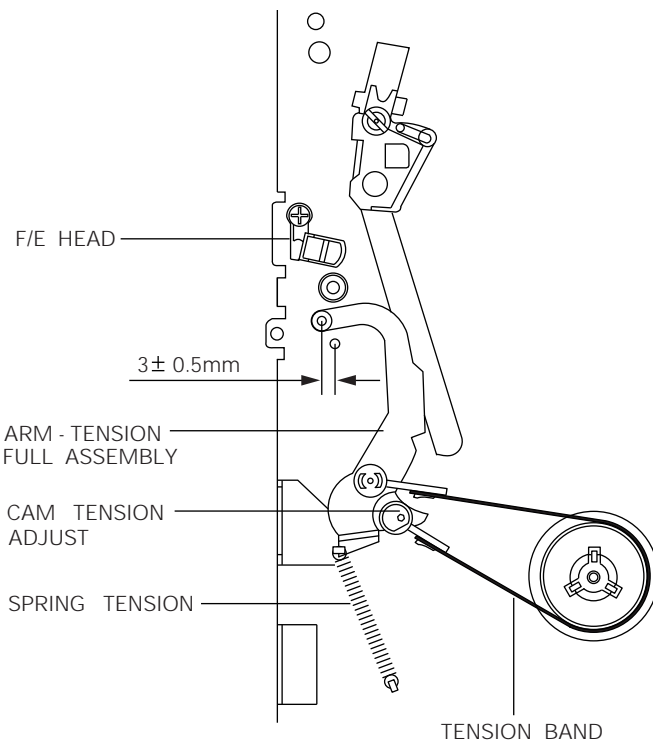


Fig. 2-11 Tension Pole and Back Tension Adjustment

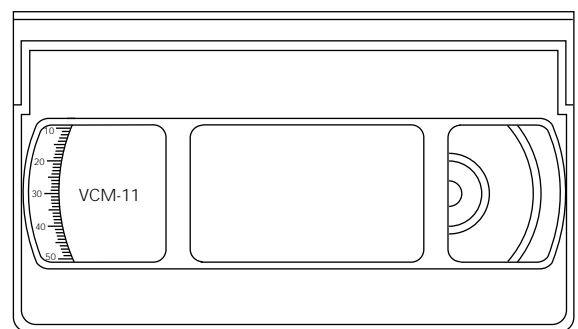


Fig. 2-12 Back Tension Tape Torque Cassette