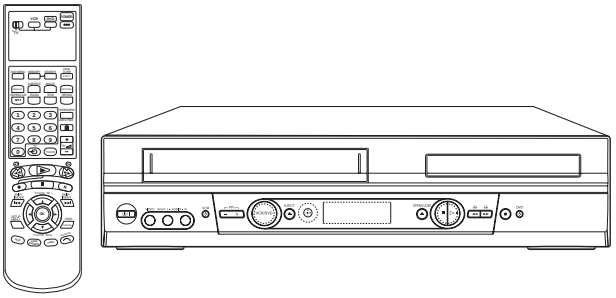
JVC

# SERVICE MANUAL

## DVD PLAYER / VIDEO CASSETTE RECORDER

# HR-XV2EK



## SPECIFICATIONS

**General**

| | |
|---|---|
| Power requirements | AC 200-240V, 50/60 Hz |
| Power consumption | Operation mode : 23W<br>Standby mode : 6.7W |
| Dimensions (approx.) | 430 X 97.5 X 293 mm (w/h/d) |
| Mass (approx.) | 4.8 kg |
| Operating temperature | 5˚C to 35˚C (41˚F to 95˚F) |
| Operating humidity | 5 % to 90 % |
| Timer | 24 hours display tape |
| Program capacity | 1 month 7 program |
| RF Modulator | UHF 22-68 (Adjustable) |

**System**

| | |
|---|---|
| Laser | Semiconductor laser, wavelength 650 nm |
| Video Head system | Double azimuth 4 heads, helical scanning. |
| Signal system | PAL |
| Frequency response | DVD (PCM 96 kHz): 8 Hz to 44 kHz<br>DVD (PCM 48 kHz): 8 Hz to 22 kHz<br>CD: 8 Hz to 20 kHz |
| Signal-to-noise ratio | More than 100dB (ANALOG OUT connectors only) |
| Harmonic distortion | Less than 0.008% |
| Dynamic range | More than 100 dB (DVD)<br>More than 95 dB (CD) |

**Inputs (VCR)**

| | |
|---|---|
| Audio | -6.0dBm, more than 10 kohms (SCART)<br>-6.0dBm, more than 47 kohms (RCA) |
| Video | 1.0 Vp-p, 75 ohms, unbalanced (SCART/RCA) |

**Outputs (DVD)**

| | |
|---|---|
| S-VIDEO OUT | (Y) 1.0 Vp-p 75 ohms, negative sync., Mini Din 4-pin x 1<br>(C) 0.3 Vp-p 75 ohms |
| COMPONENT VIDEO OUT | (Y) 1.0 V (p-p), 75 Ω, negative sync, RCA jack x 1<br>(Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2 |
| Audio output (digital audio) | 0.5 V (p-p), 75 Ω, RCA jack x 1 |
| Audio output (optical audio) | 5 V (p-p), 75 Ω, Optical connector x 1 |
| Audio output (analog audio) | 2.0 Vrms (1 kHz, 0 dB), 330 Ω, RCA jack (L, R) x 2/SCART(TO TV) |

**Outputs (VCR)**

| | |
|---|---|
| Audio | -6.0dBm, less than 1 kohms (SCART) |
| Video | 1.0Vp-p, 75 ohms, unbalanced (SCART) |

Design and specifications are subject to change without notice.







No.82985
2003/06

# CONTENTS

# SECTION 1

# SUMMARY

## CONTENTS

## Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorised in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
2. Any unauthorised design alterations or additions will void the manufacturer's guarantee ; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
3. Essential safety critical components are identified by ( ⚠ ) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service manual and may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

## Warning

1. Service should be performed by qualified personnel only.
2. This equipment has been designed and manufactured to meet international safety standards.
3. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
4. Repairs must be made in accordance with the relevant safety standards.
5. It is essential that safety critical components are replaced by approved parts.
6. If mains voltage selector is provided, check setting for local voltage.

# SPECIFICATIONS

**DVD PART**

| | |
|---|---|
| Power supply | AC 110~240V, 50/60 Hz(HR-XV2ER)<br>AC 200~240V, 50/60 Hz(HR-XV2EX/HR-XV2EY/<br>HR-XV2EL/HR-XV11EX/ HR-XV2EK/HR-XV2EF/HR-XV2EZ) |
| Power consumtion | 23W |
| Mass | 5.4kg |
| External dimensions | 430 x 97.5 x 293 (W x H x D) |
| Signal system | PAL 625/50 |
| Laser | Semiconductor laser, wavelength 650nm |
| Frequency range (digital audio) | 4 Hz to 20 kHz |
| Signal-to-noise ratio (digital audio) | More than 100 dB (EIAJ) |
| Audio dynamic range (digital audio) | More than 95 dB (EIAJ) |
| Harmonic distortion(digital audio) | 0.008% |
| Wow and flutter | Below measurable level (less than +0.001%(W.PEAK)) (EIAJ) |
| Operations | Temperature : 5˚C(41˚F) to 35˚C(95˚F),<br>Operation status : Horizontal |

**OUTPUTS**

| | |
|---|---|
| Video outputs | 1.0V(p-p), 75Ω, negative sync., RCA jack x 1/SCART(TO TV) |
| S video outputs | (Y)1.0V(p-p), 75Ω, negative sync.,Mini DIN 4-pin x 1<br>(C)0.3V(p-p), 75Ω |
| Component video output | (Y) 1.0 V (p-p), 75 Ω, negative sync., RCA jack x 1<br>(Pb)/(Pr) 0.7 V (p-p), 75 Ω |
| Audio output(digital audio) | 0.5V(p-p), 75Ω, RCA jack X 1/SCART(TO TV) |
| Audio output(optical audio) | Optical connector x 1 |
| Audio output(analog audio) | 2.0Vrms (1kHz, 0dB), 330Ω, RCA jack (L, R) x 1/<br>SCART(TO TV) |

**VHS PART**

| | |
|---|---|
| Video Head System | Double azimuth 4 heads, helical scanning |
| Tape format | Tape width 12.7 mm (0.5 inch) |
| Timer | 24 hours display type |

*Designs and specifications are subject to change without notice.
*Weight and dimensions shown are approximate.

# SECTION 3
# ELECTRICAL

## CONTENTS

# VCR PART
# ELECTRICAL ADJUSTMENT PROCEDURES

## 1. Servo Adjustment

1) PG Adjustment

| | |
|---|---|
| •Test Equipment | b) NTSC MODEL : NTSC SP TEST TAPE |
| a) OSCILLOSCOPE | C) PAL MODEL : PAL SP TEST TAPE |

• Adjustment And Specification

| MODE | MEASUREMENT POINT | ADJUSTMENT POINT | SPECIFICATION |
|---|---|---|---|
| PLAY | V.Out<br>H/SW | R/C TRK JIG KEY | 6.5 ± 0.5H |

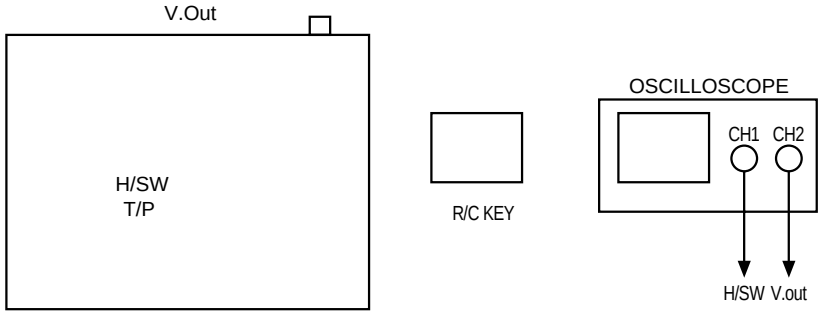
- **Adjustment Procedure**

a) Insert the SP Test Tape and play.
Note - Adjust the distance of X, pressing the Tracking(+) or Tracking(-) when the “ATR” is blink after the SP Test Tape is inserted.
b) Connect the CH1 of the oscilloscope to the H/SW and CH2 to the Video Out for the VCR.
c) Trigger the mixed Combo Video Signal of CH2 to the CH1 H/SW, and then check the distance (time difference), which is from the selected A(B) Head point of the H/SW signal to the starting point of the vertical synchronized signal, to 6.5H ± 0.5H (412µs, 1H=63µs).

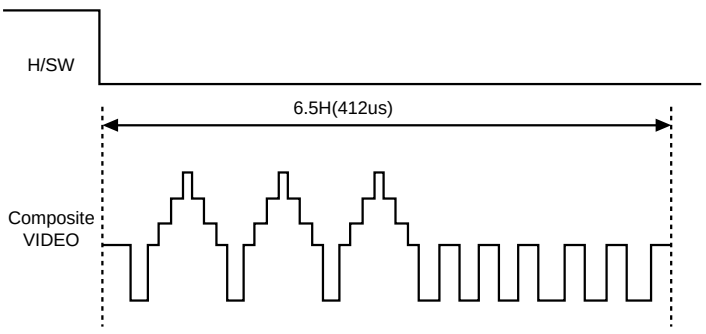
- **PG Adjustment Method**

a-1) Payback the SP standard tape
b-2) Press the “1” key on the Remote controller and the “PLAY” key on the Front Panel at the same time, then it goes into Tracking initial mode.
c-3) Repeat the above step(No.b-2), then it finishes the PG adjusting automatically.
d-4) Stop the playback, then it goes out to PG adjusting mode after mony the PG data.

- **CONNECTION**



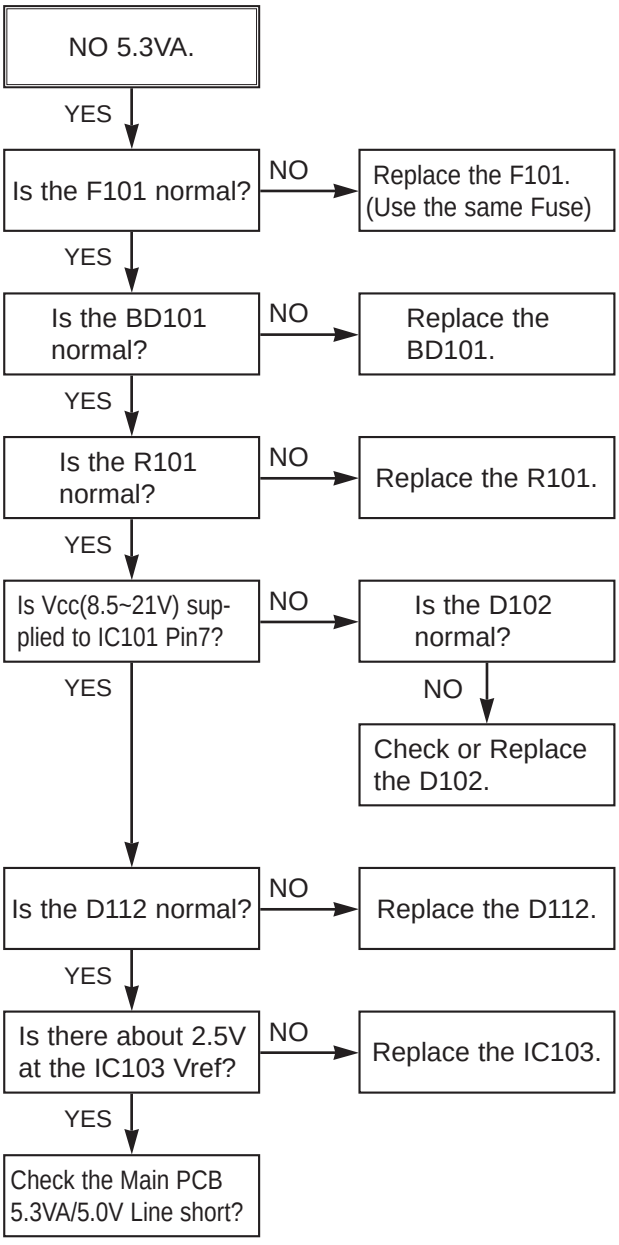

- **WAVEFORM**



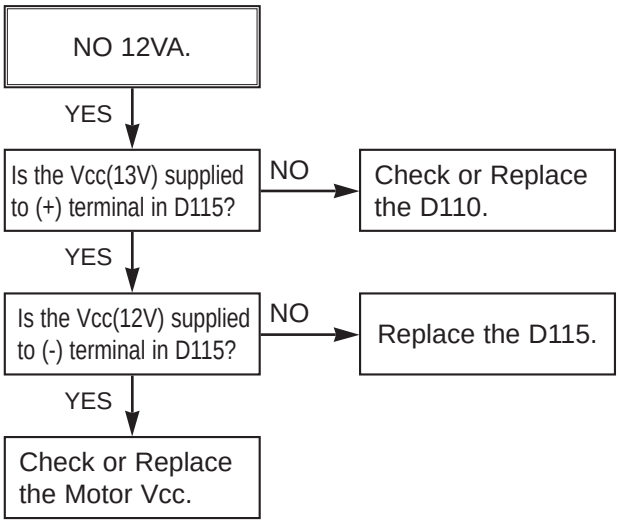
# ELECTRICAL TROUBLESHOOTING GUIDE

## 1. Power(SMPS) CIRCUIT

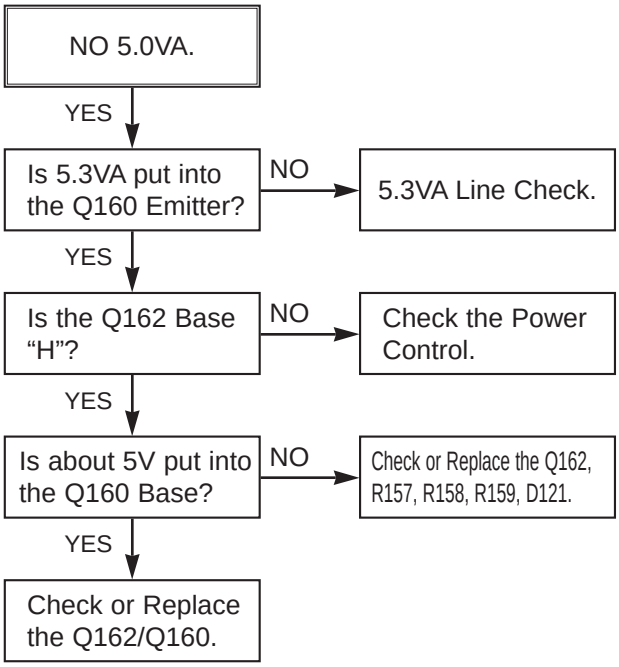
(1) No 5.3VA (SYS/TUNER)



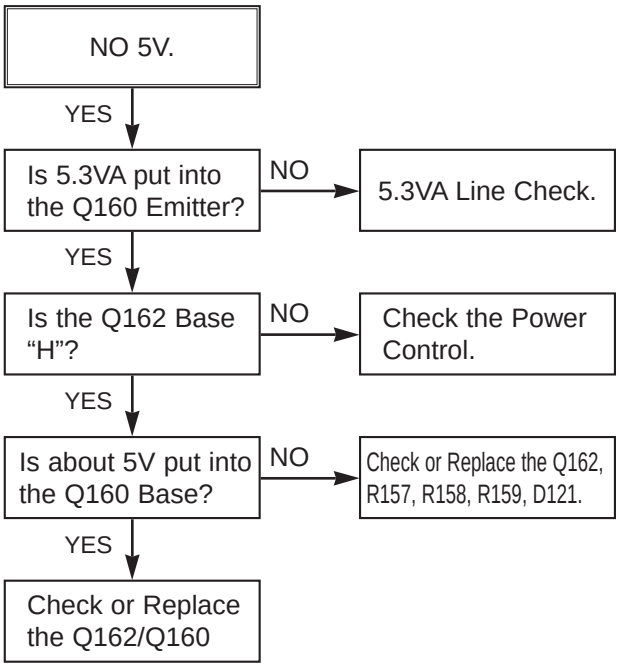

(2) No 12VA (TO CAP, DRUM MOTOR)



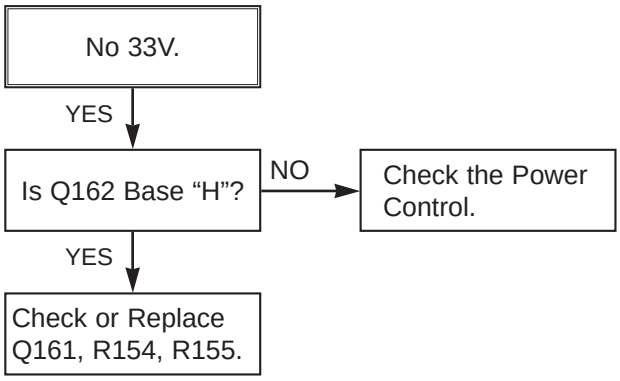

(3) No 5.0V (SYS, Hi-Fi, TUNER, Y/C)



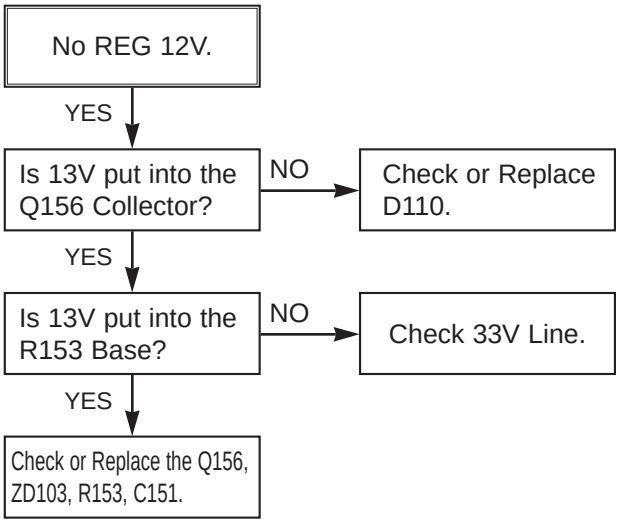
(4) No 5V (TO DVD)



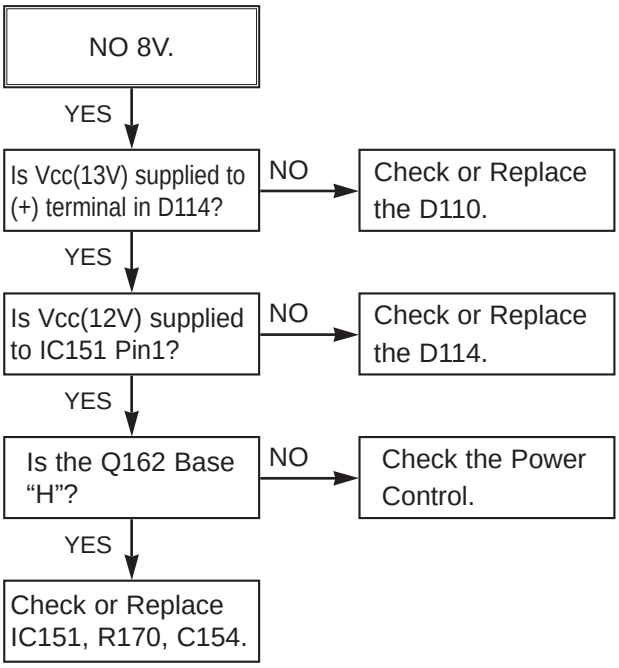

(5) No 33V (TUNER)



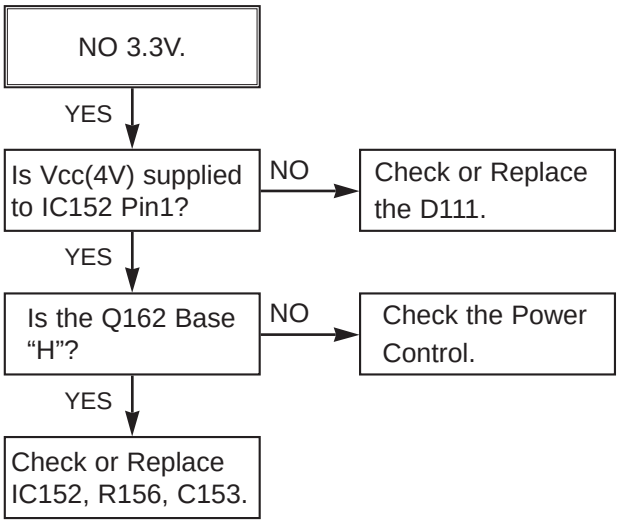

(6) No REG 12V



(7) No 8V(TO DVD)

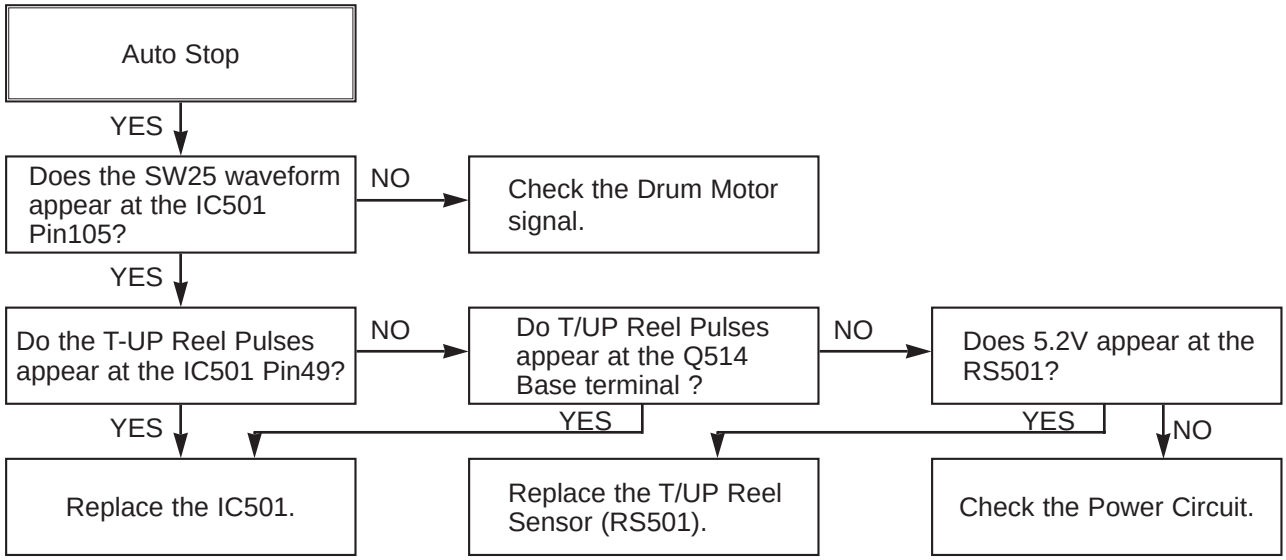



(8) No 3.3V(TO DVD)

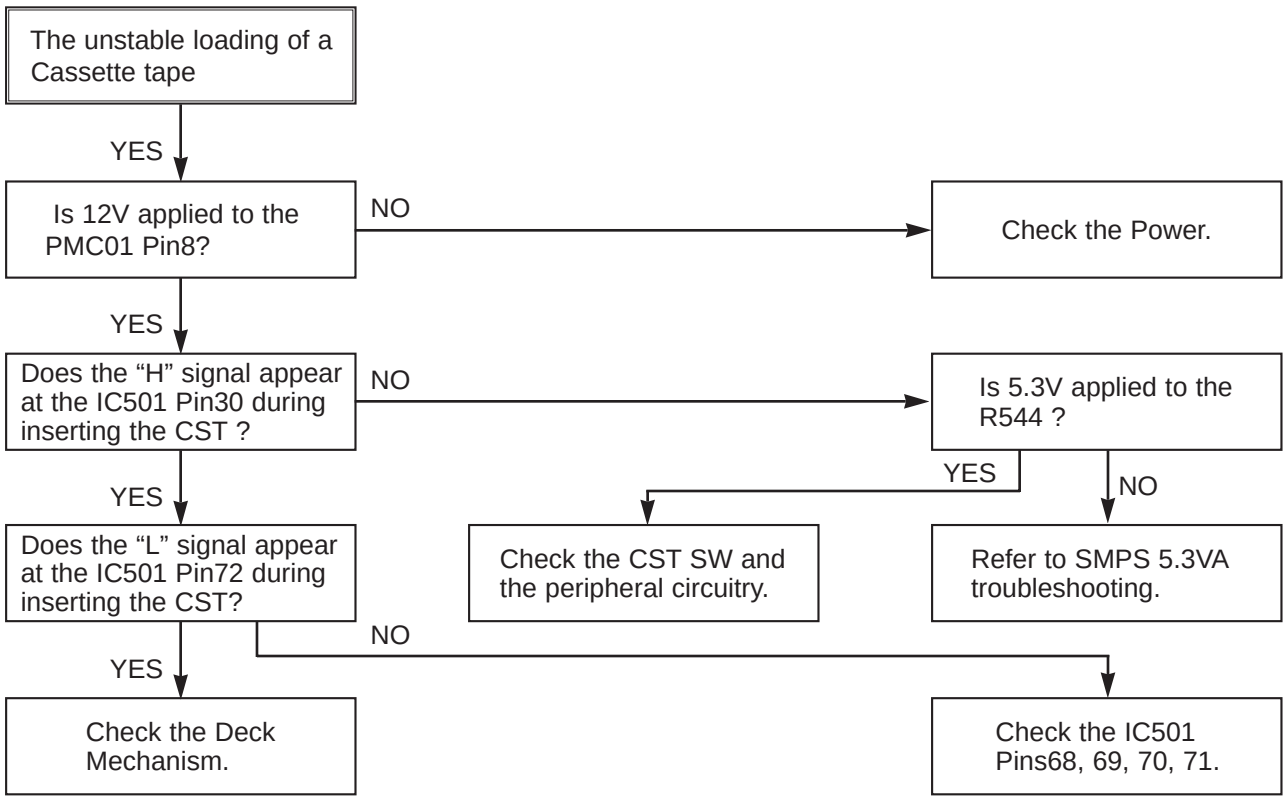


## 2. SYSTEM/KEY CIRCUIT

### (1) AUTO STOP



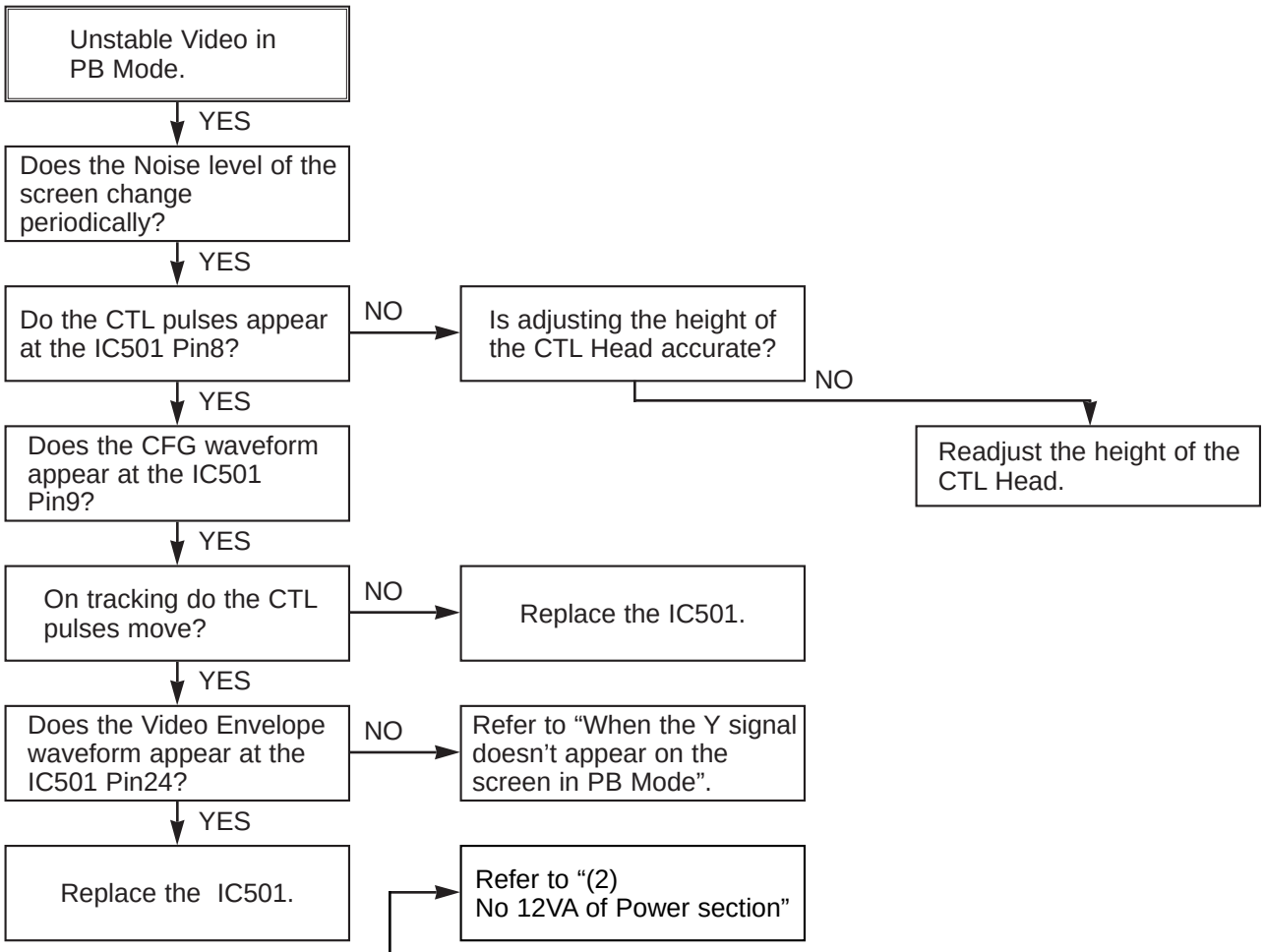

### (2) The unstable loading of a Cassette tape



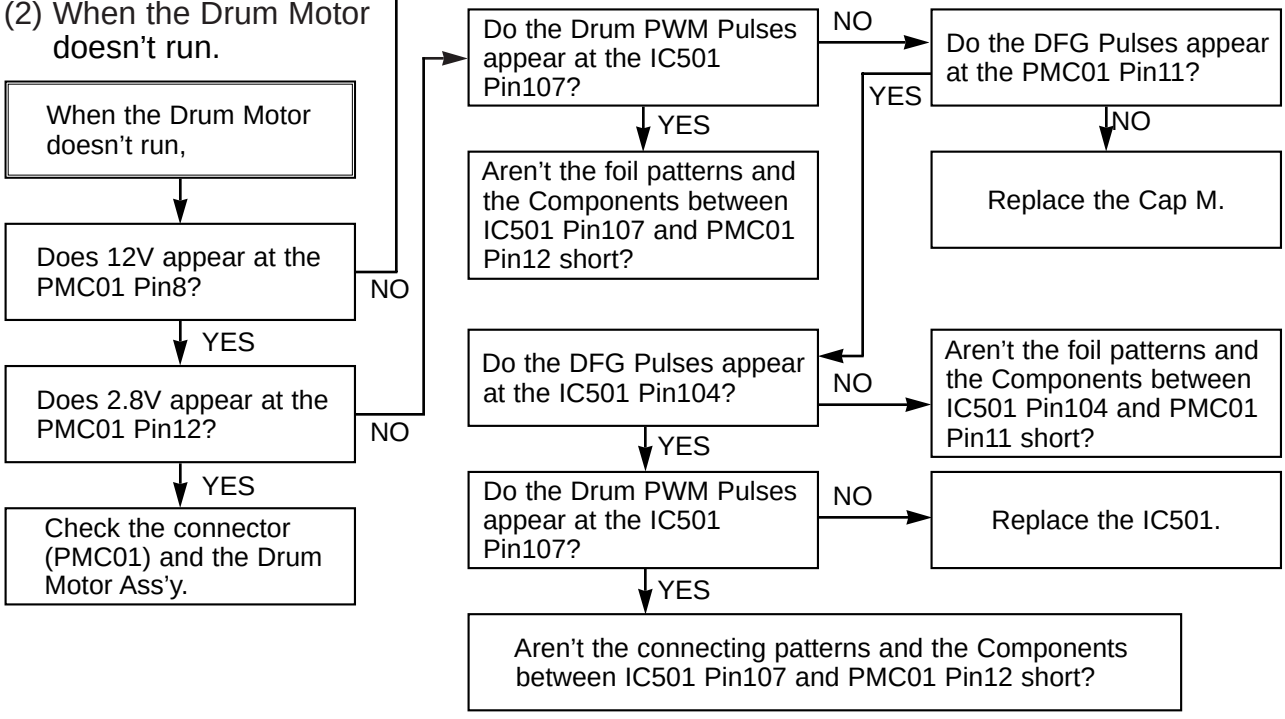

**Caution :** Auto stop can occur because Grease or Oil is dried up

## 3. SERVO CIRCUIT

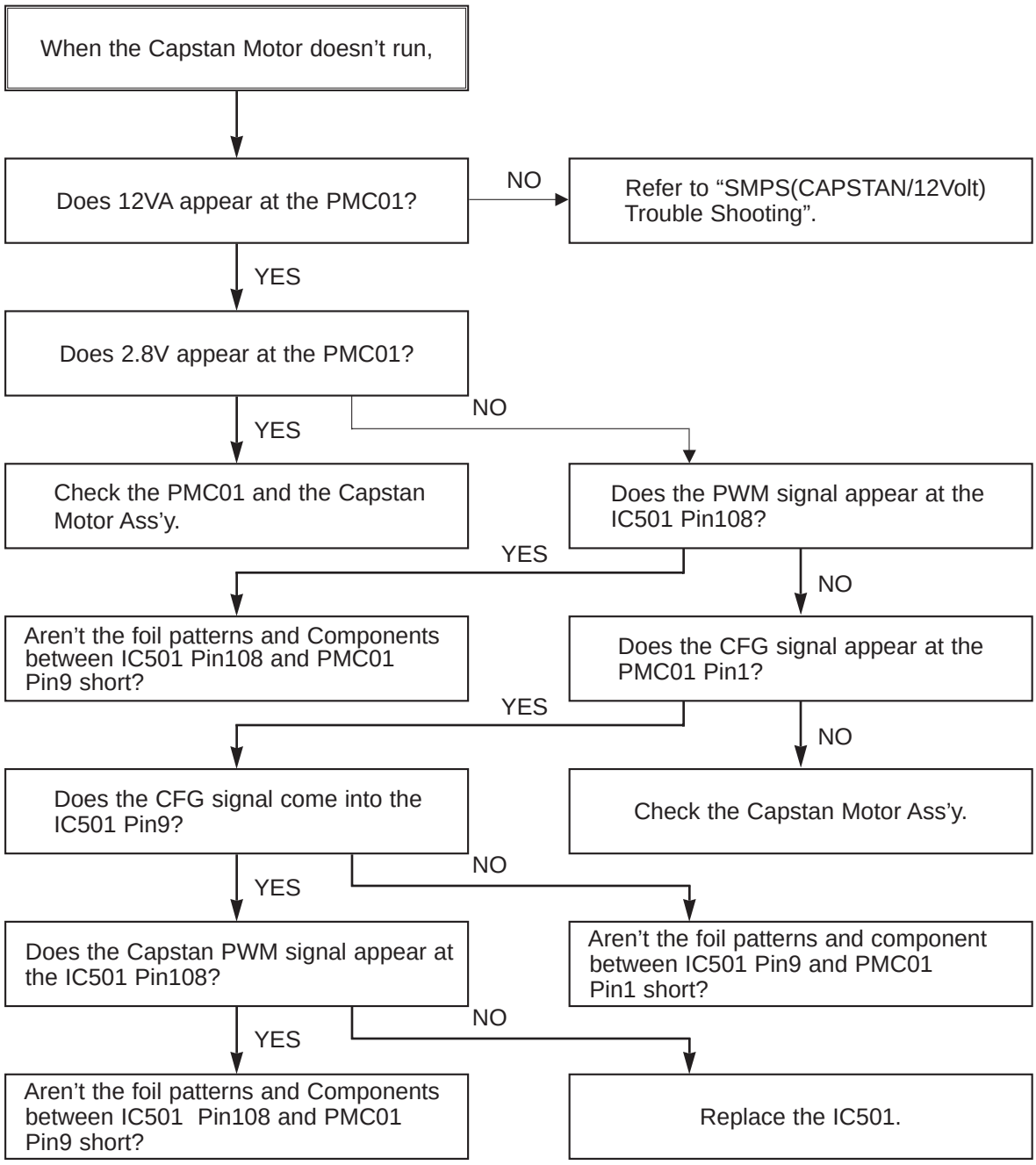
### (1) Unstable Video in PB MODE



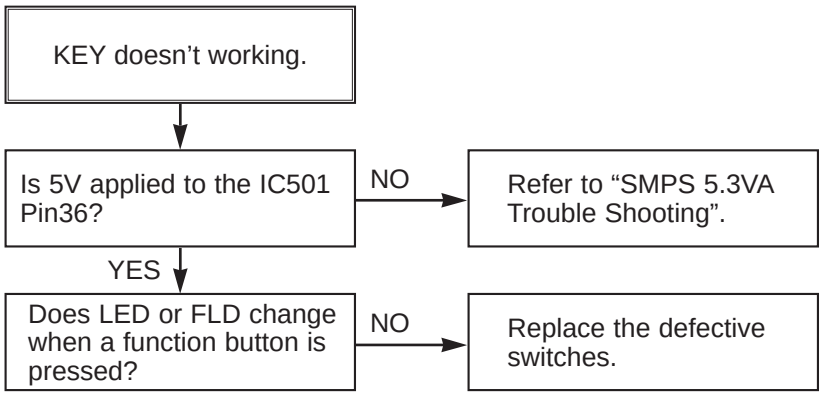

### (2) When the Drum Motor doesn't run.



(3) When the Capstan Motor doesn't run,

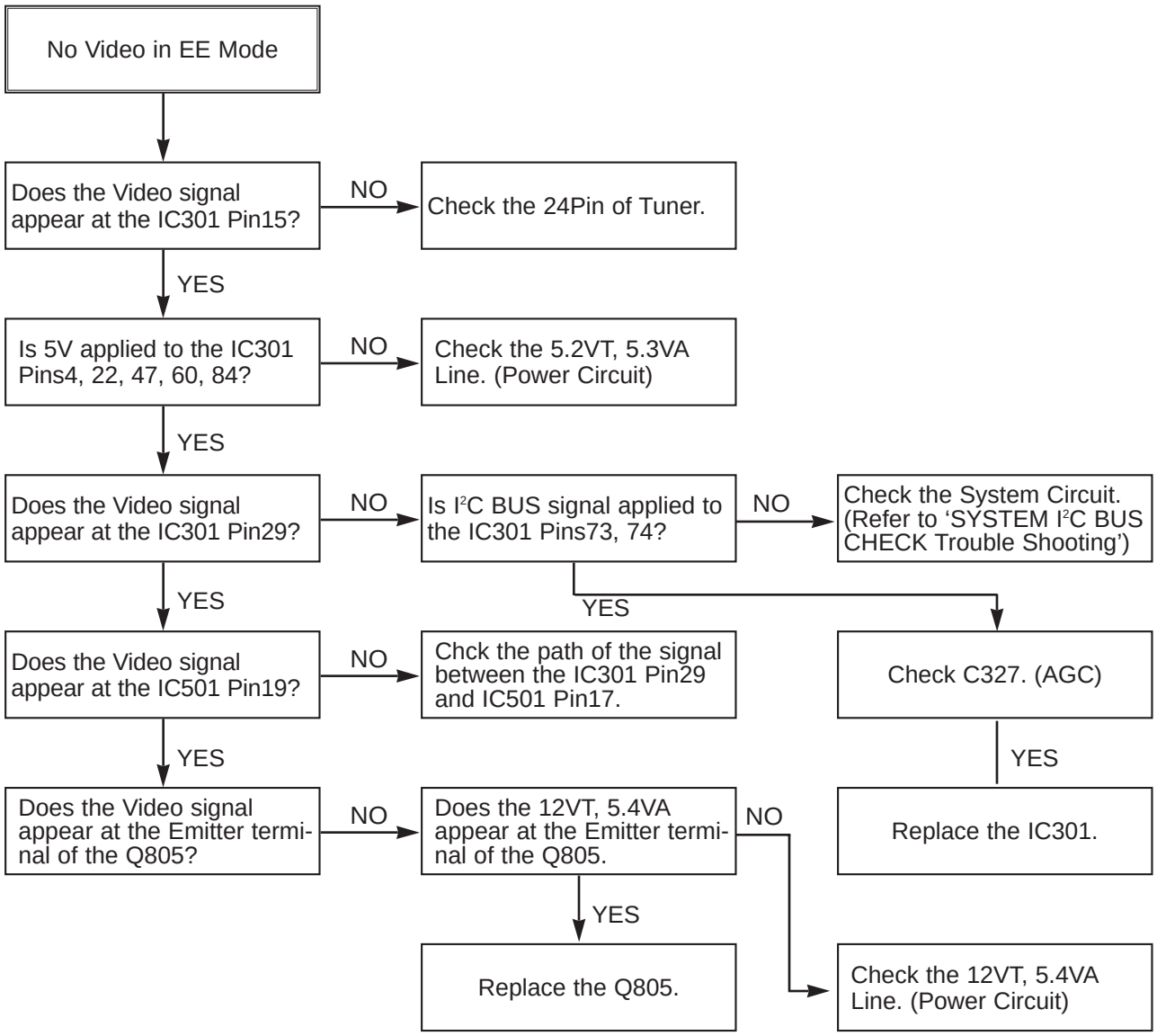


(4) KEY doesn’t working

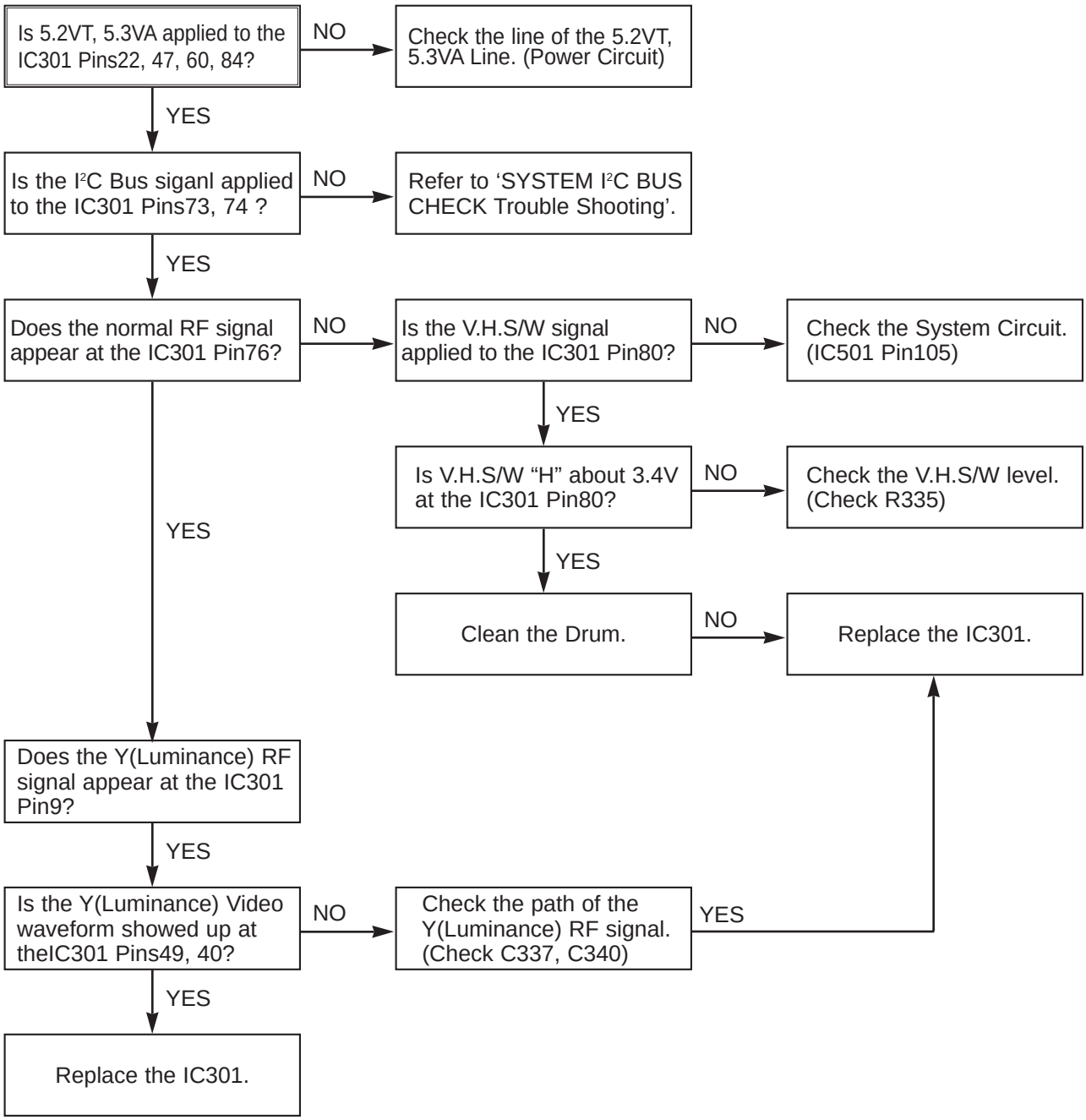


## 4. Y/C CIRCUIT

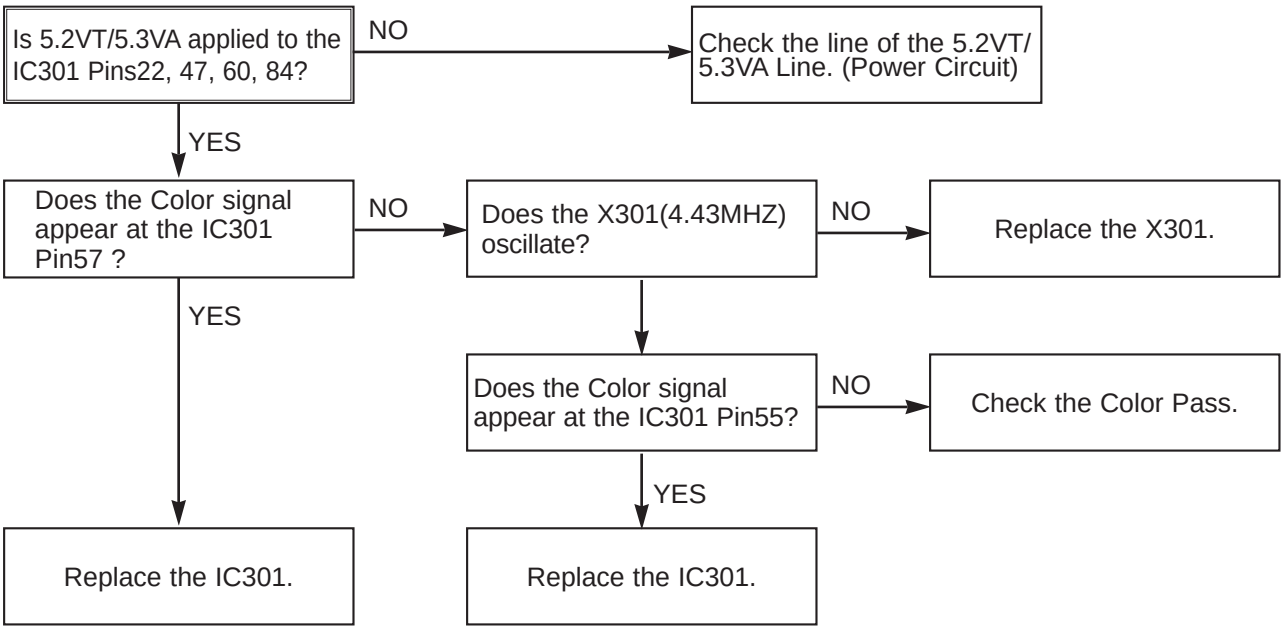
(1) No Video in EE Mode,



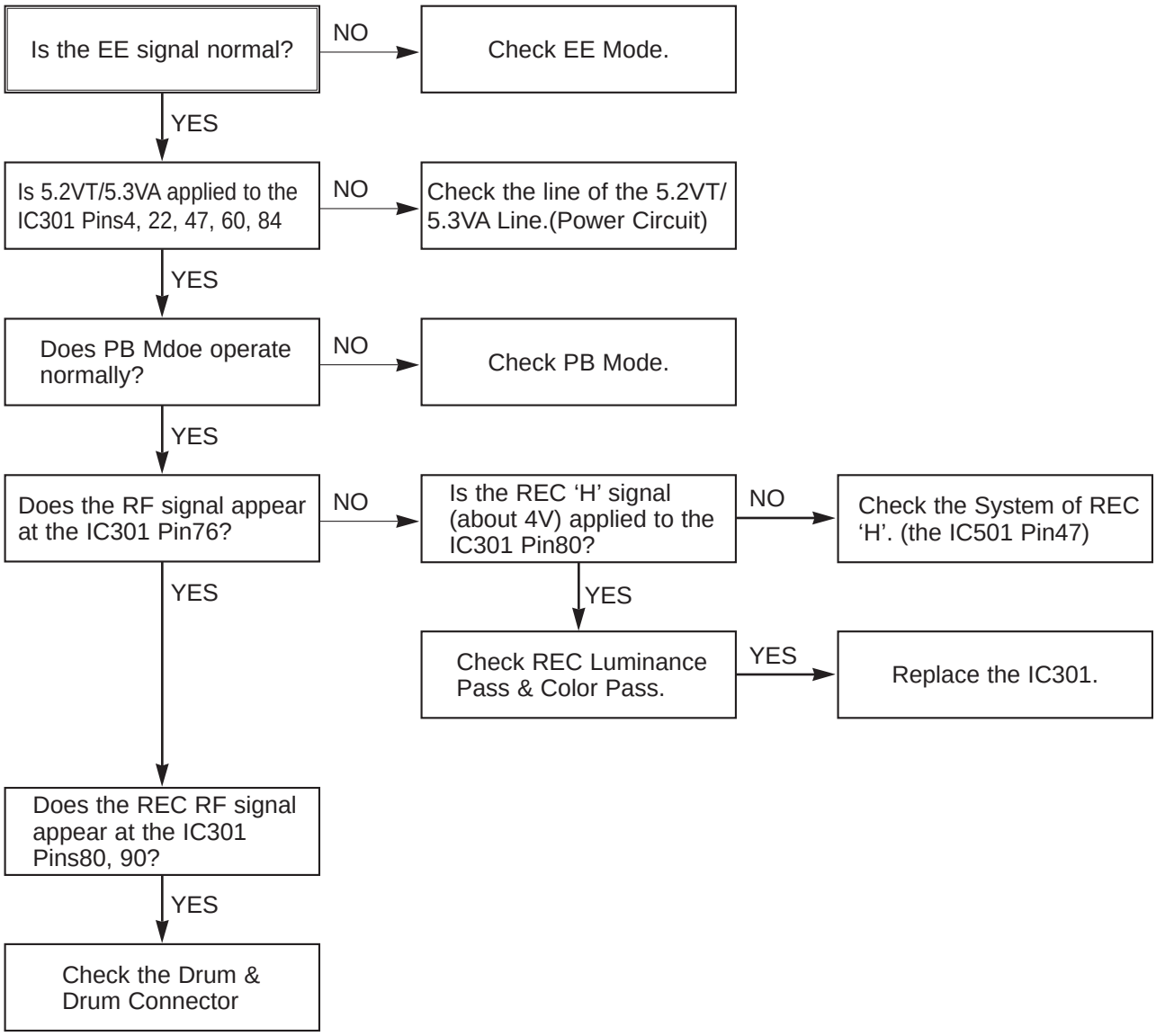
(2) When the Y(Luminance) signal doesn't appear on the screen in PB Mode,



(3) When the C(Color) signal doesn't appear on the screen in PB Mode,

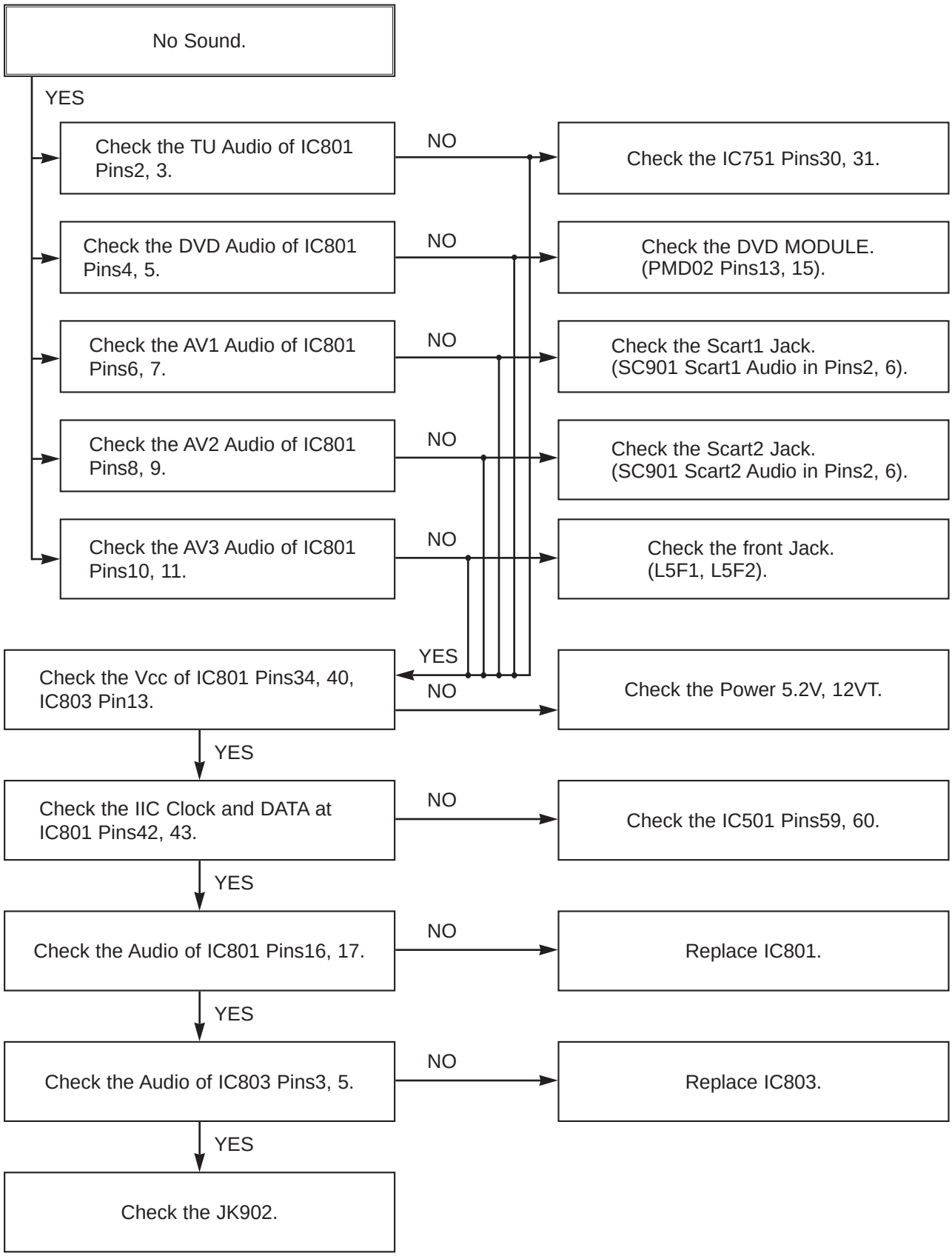


(4) When the Video signal doesn't appear on the screen in REC Mode,

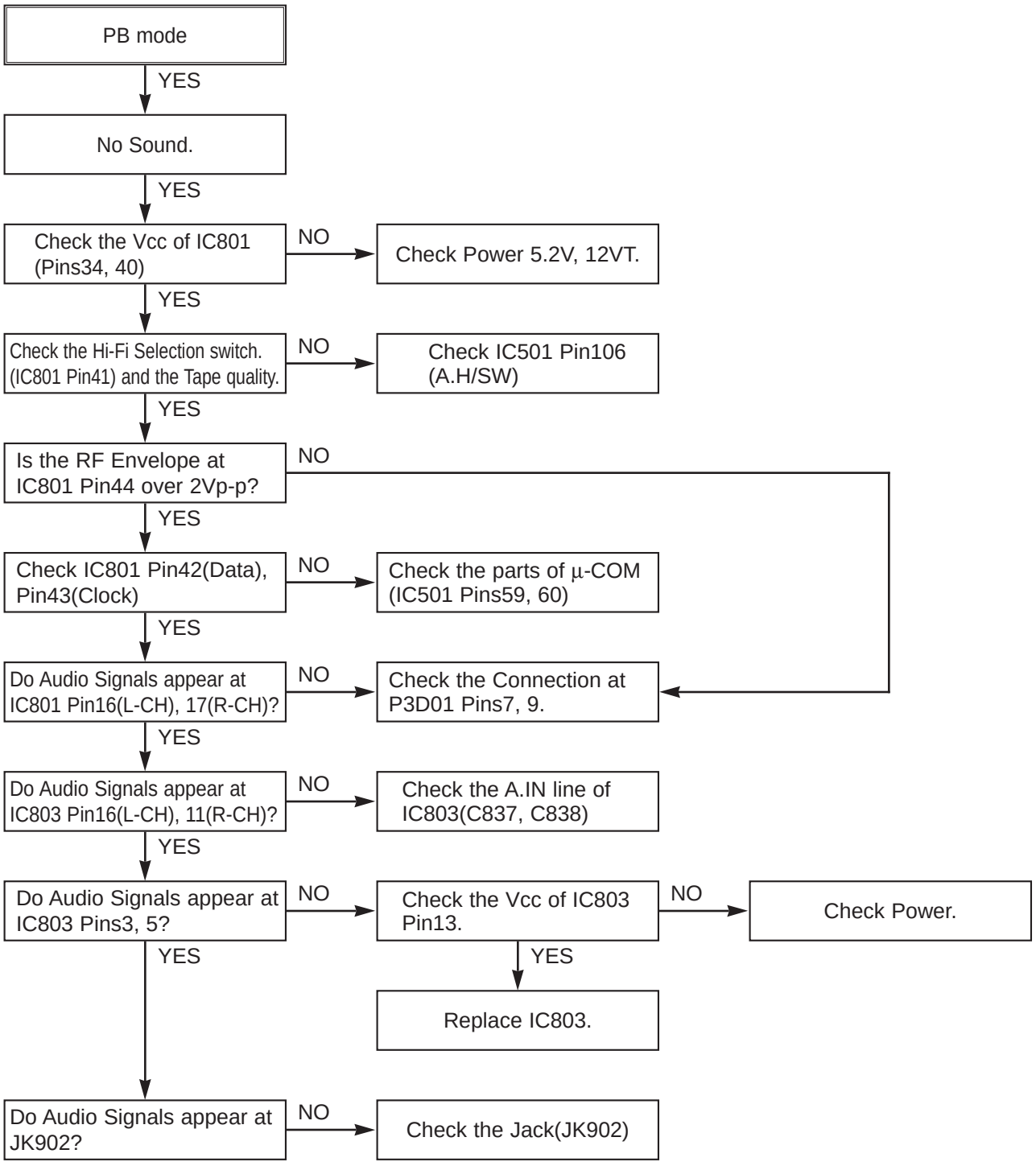


## 5. Hi-Fi CIRCUIT

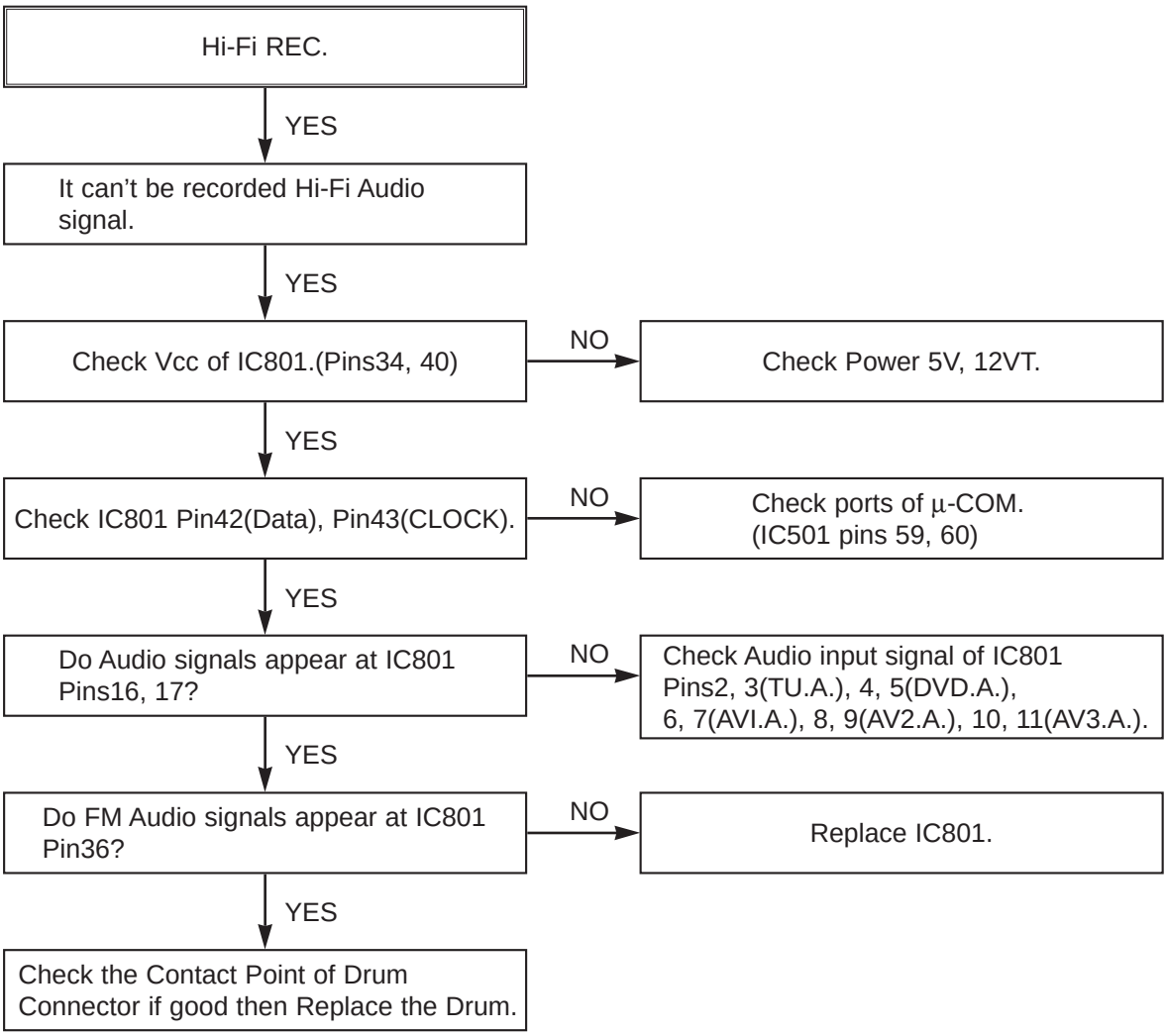
(A) No Sound(EE Mode)



(B) Hi-Fi Playback

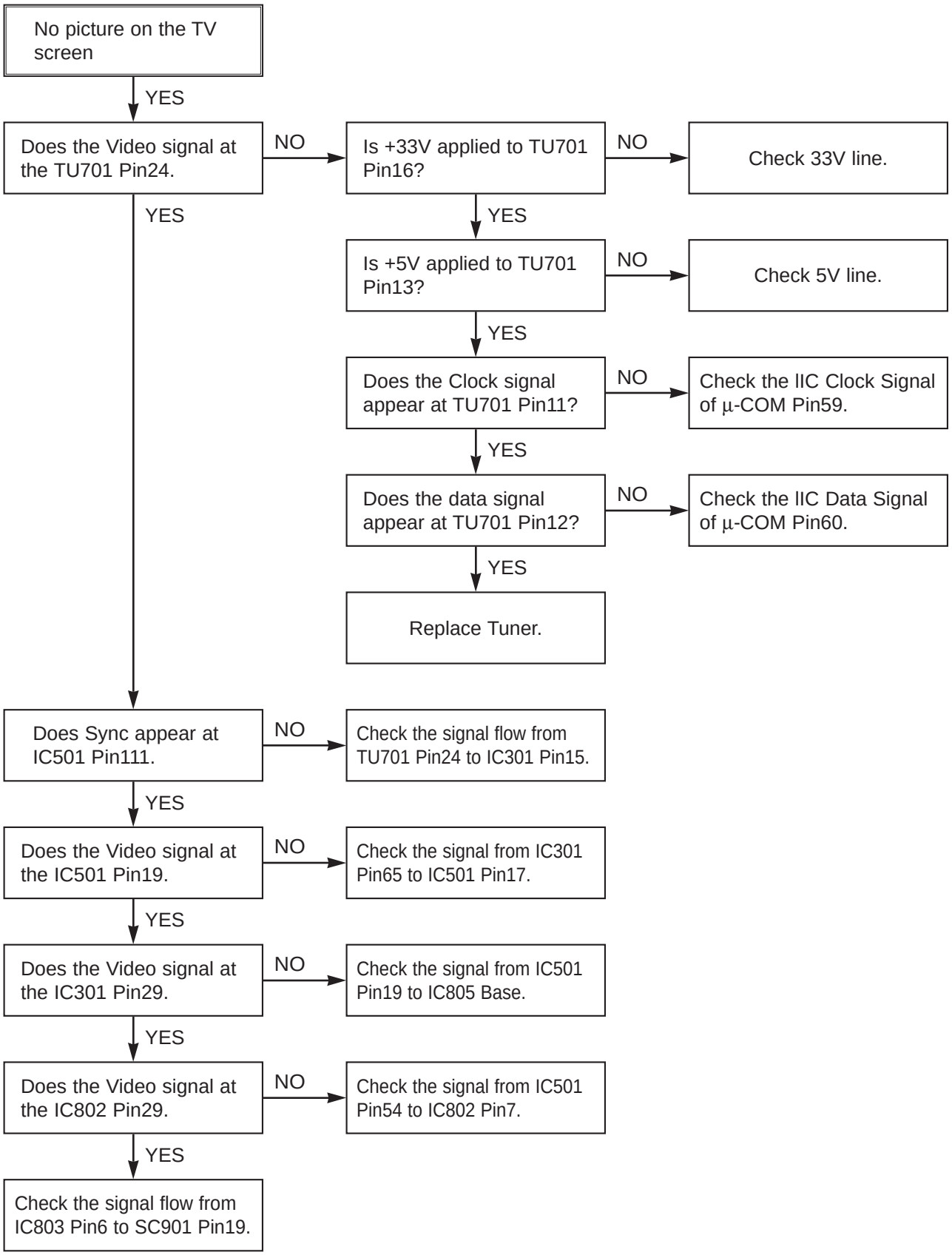


(C)

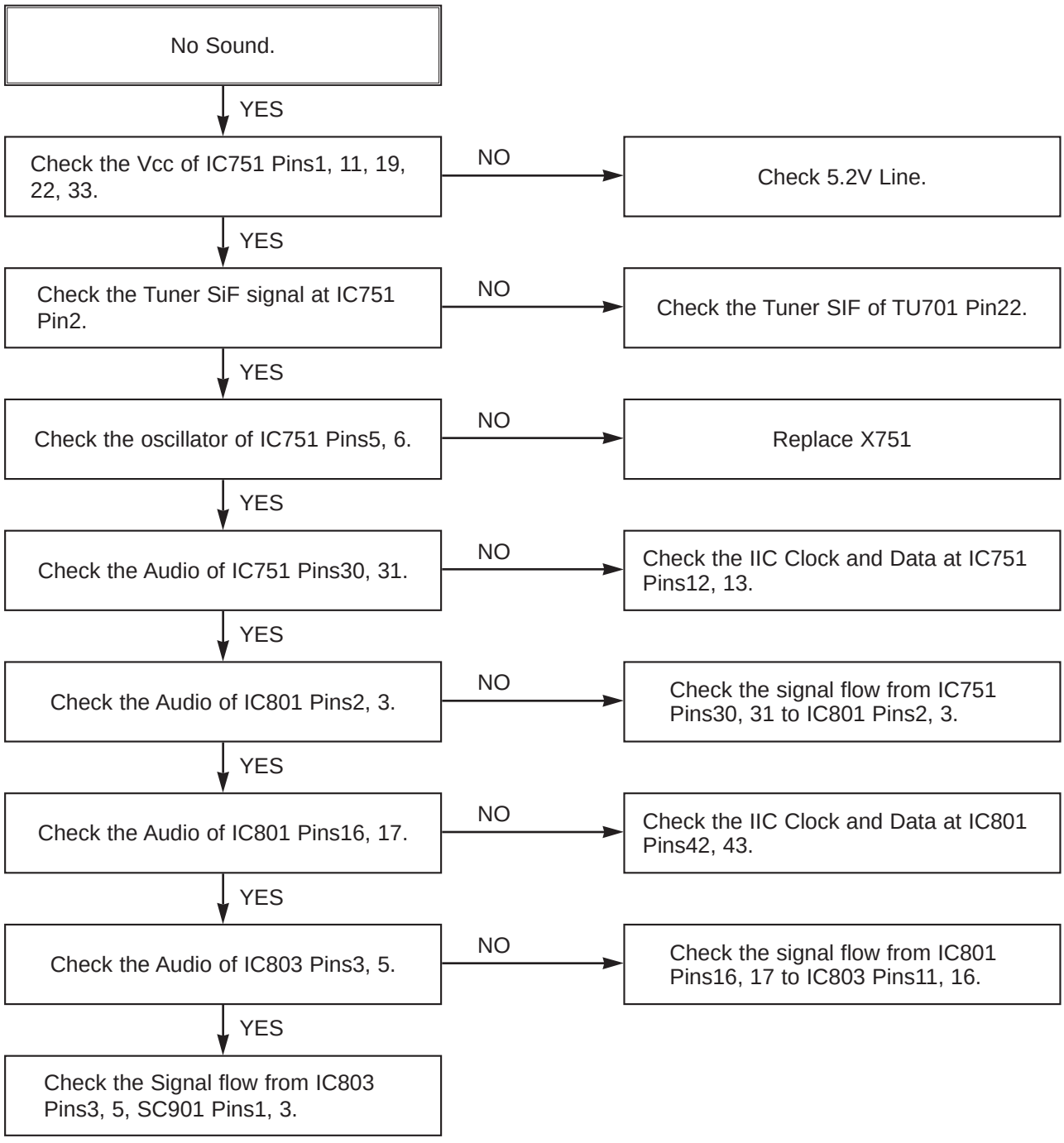

Hi-Fi REC.
YES
It can't be recorded Hi-Fi Audio signal.
YES
Check Vcc of IC801.(Pins34, 40)
NO
Check Power 5V, 12VT.
YES
Check IC801 Pin42(Data), Pin43(CLOCK).
NO
Check ports of μ-COM. (IC501 pins 59, 60)
YES
Do Audio signals appear at IC801 Pins16, 17?
NO
Check Audio input signal of IC801 Pins2, 3(TU.A.), 4, 5(DVD.A.), 6, 7(AVI.A.), 8, 9(AV2.A.), 10, 11(AV3.A.).
YES
Do FM Audio signals appear at IC801 Pin36?
NO
Replace IC801.
YES
Check the Contact Point of Drum Connector if good then Replace the Drum.

## 6. Tuner/IF CIRCUIT

(A) No Picture on the TV screen



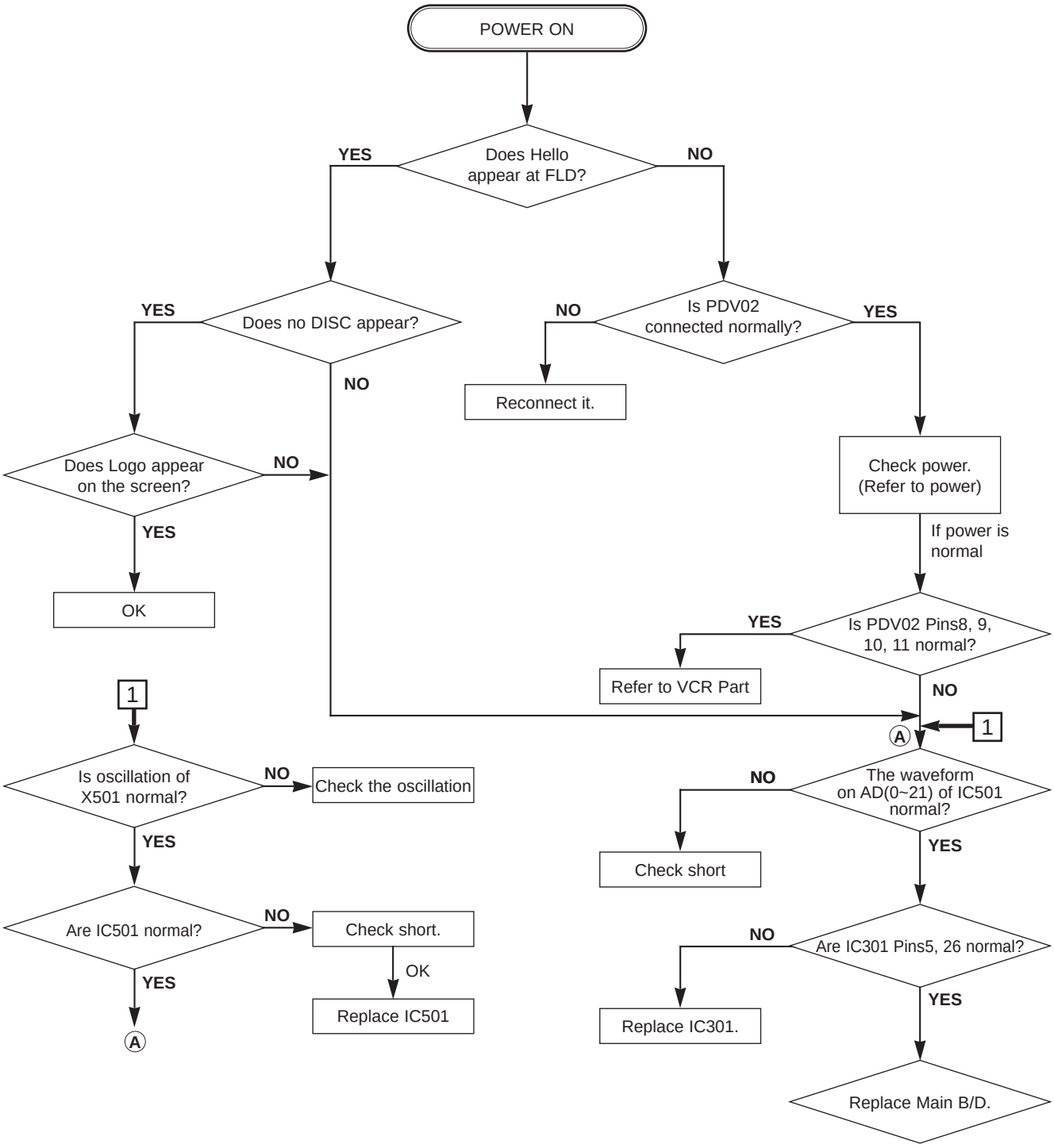
(B) No Sound


No Sound.
YES
Check the Vcc of IC751 Pins1, 11, 19, 22, 33.
NO
Check 5.2V Line.
YES
Check the Tuner SiF signal at IC751 Pin2.
NO
Check the Tuner SIF of TU701 Pin22.
YES
Check the oscillator of IC751 Pins5, 6.
NO
Replace X751
YES
Check the Audio of IC751 Pins30, 31.
NO
Check the IIC Clock and Data at IC751 Pins12, 13.
YES
Check the Audio of IC801 Pins2, 3.
NO
Check the signal flow from IC751 Pins30, 31 to IC801 Pins2, 3.
YES
Check the Audio of IC801 Pins16, 17.
NO
Check the IIC Clock and Data at IC801 Pins42, 43.
YES
Check the Audio of IC803 Pins3, 5.
NO
Check the signal flow from IC801 Pins16, 17 to IC803 Pins11, 16.
YES
Check the Signal flow from IC803 Pins3, 5, SC901 Pins1, 3.

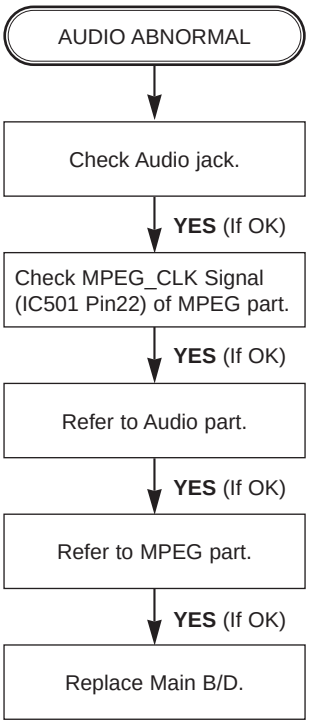
# DVD PART
# ELECTRICAL TROUBLESHOOTING GUIDE

## 1. μ-COM Circuit

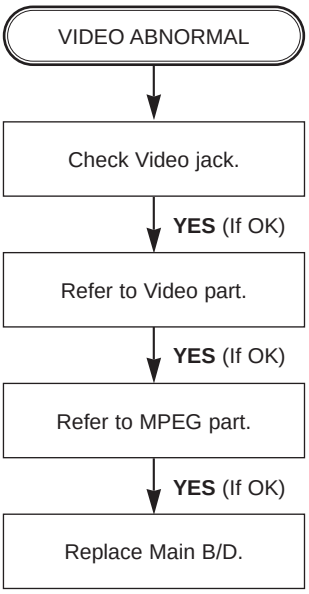
### A. No Power



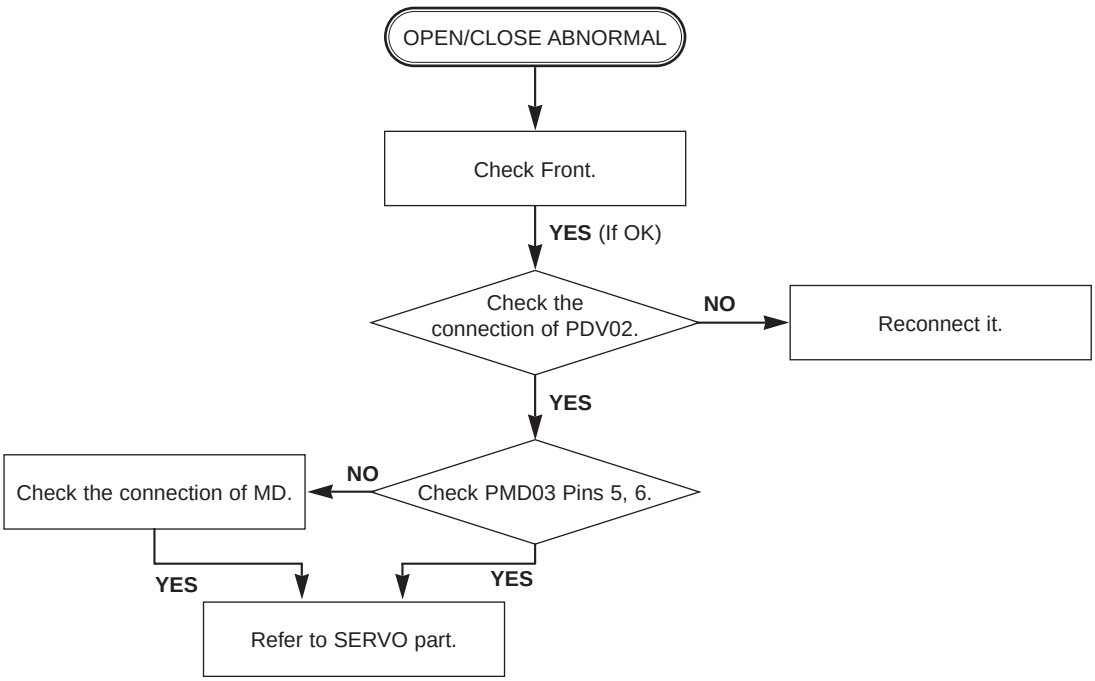
**B. Audio abnormal**



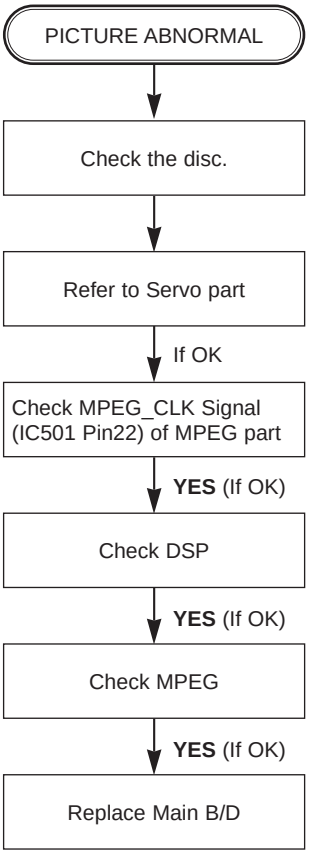

**C. Video abnormal**



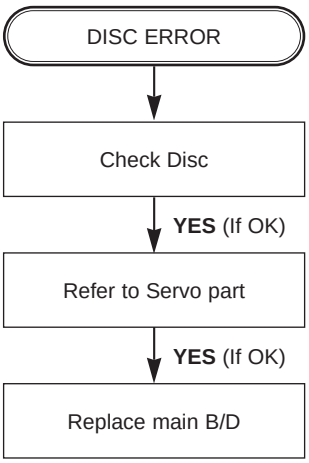

**D. Open/Close abnormal**



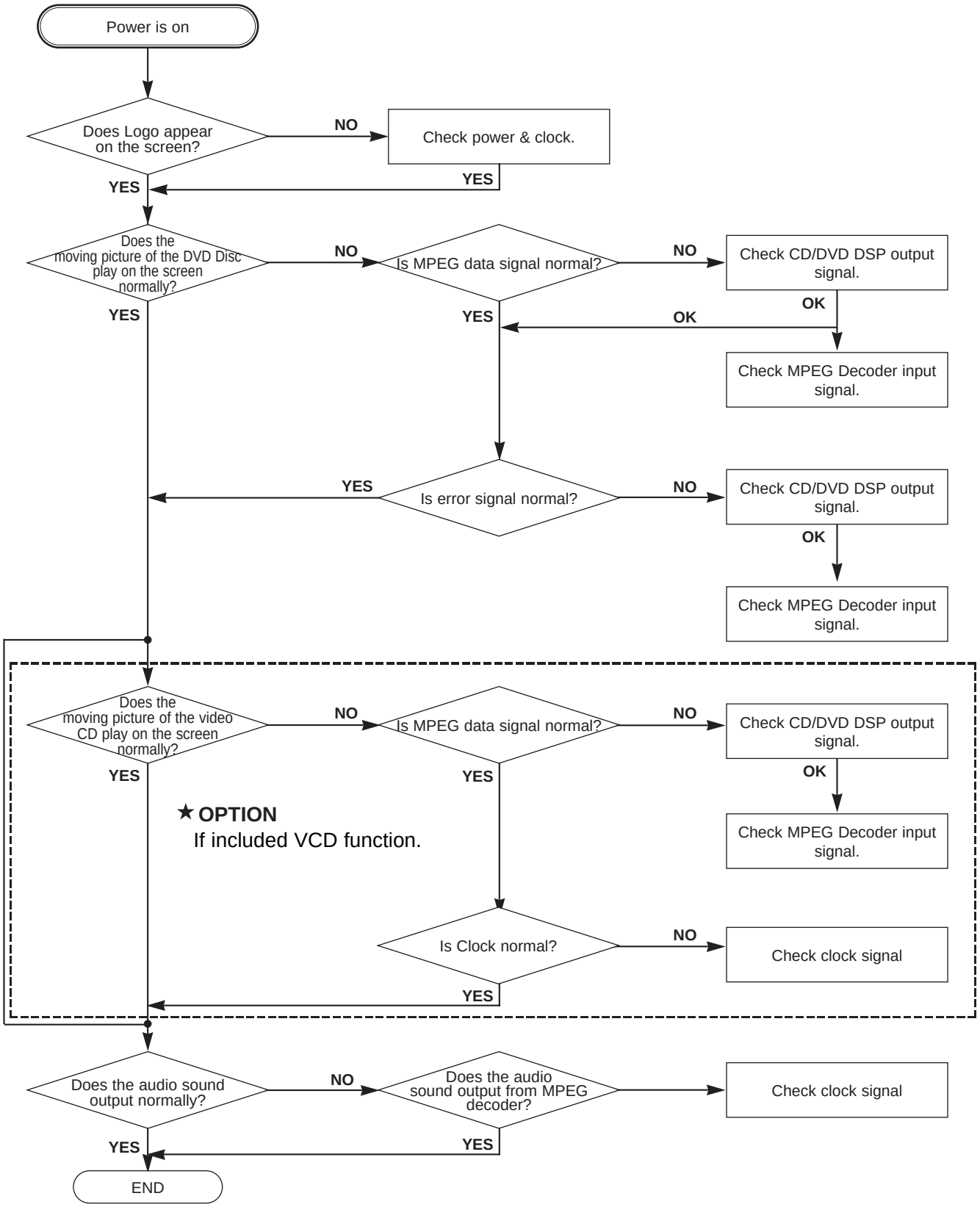
## E. Picture abnormal




## F. Disc Error

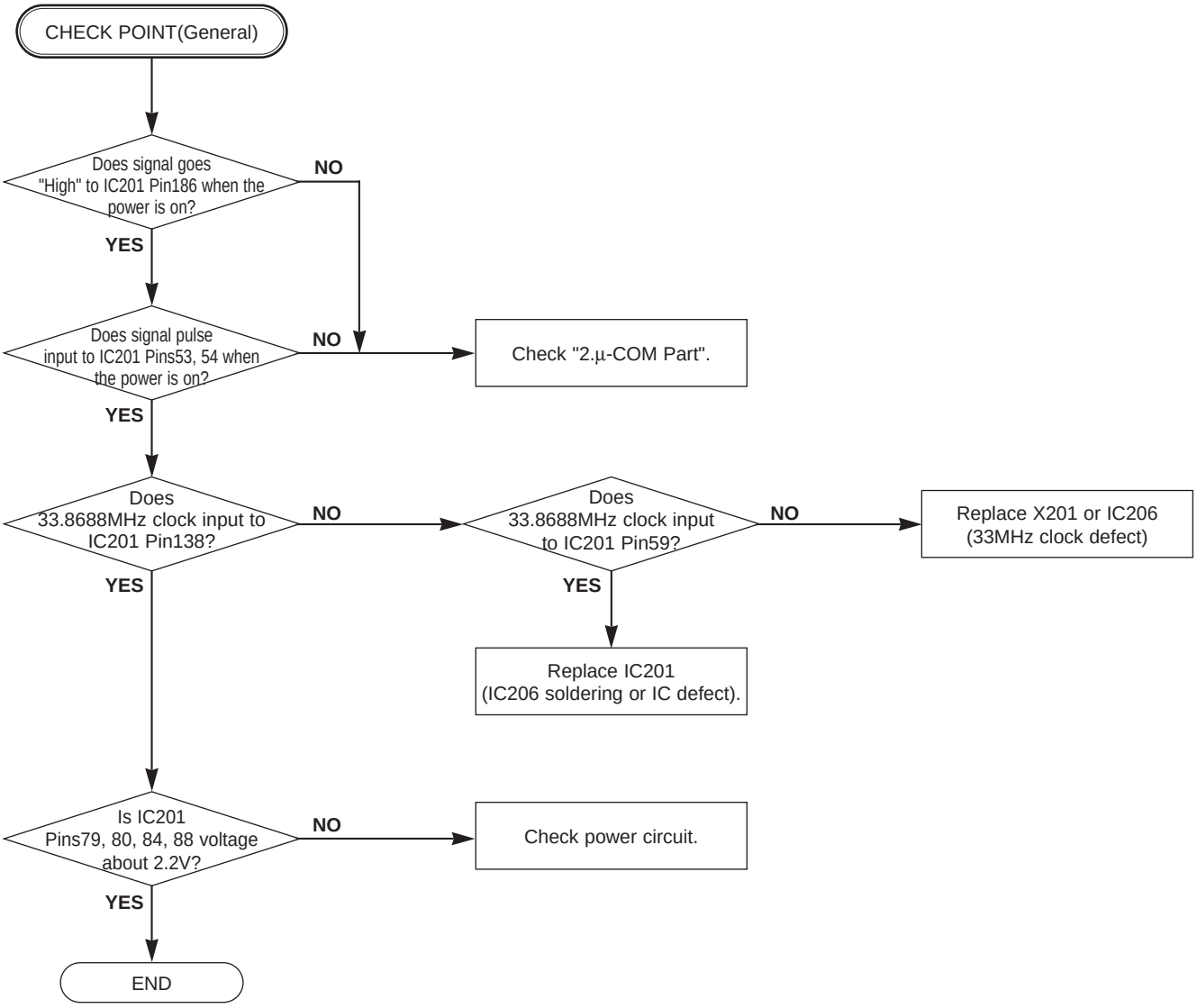


## 2. MPEG Circuit



## 3. RF/Servo Circuit

**A.**



**B.**

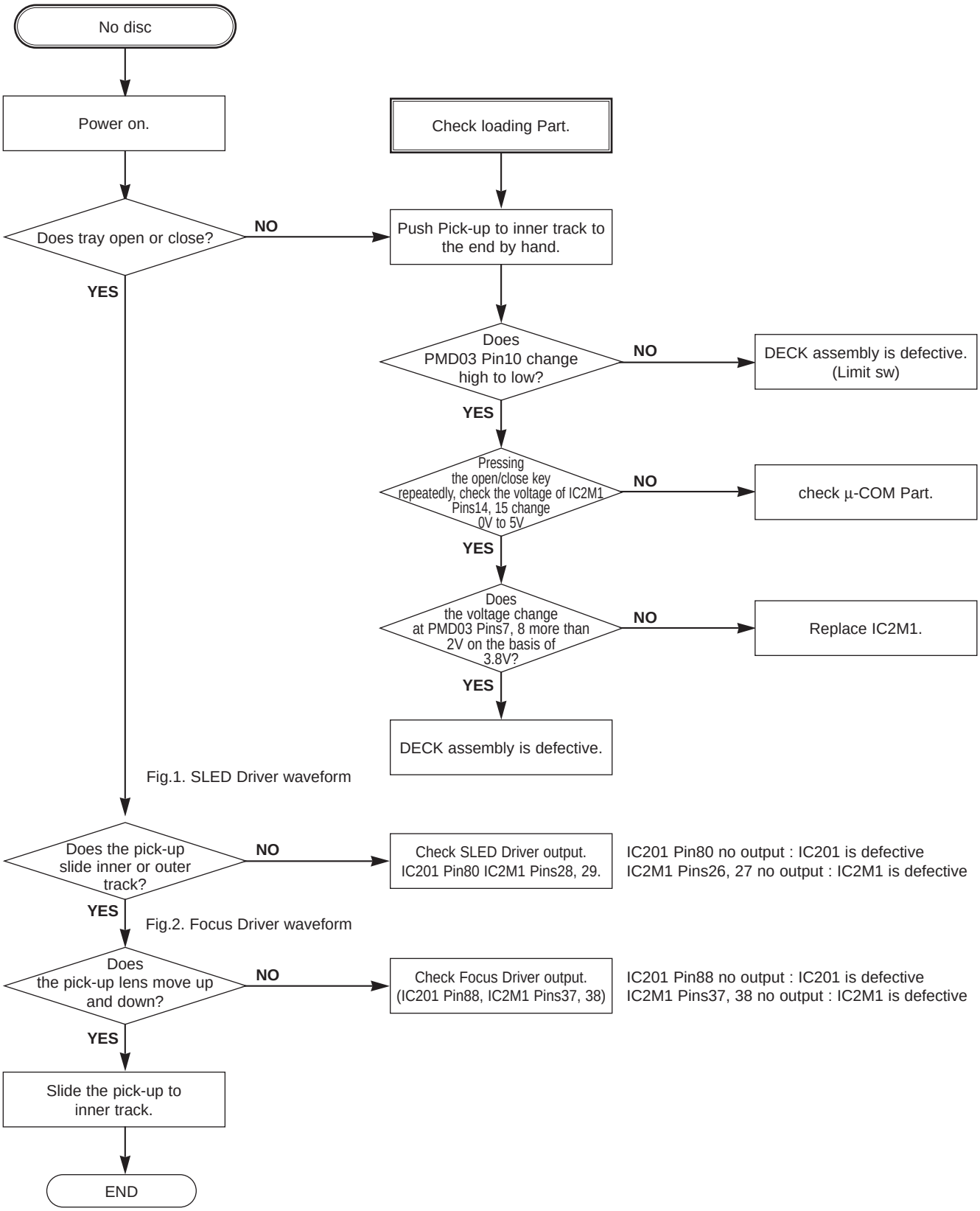



Fig.1. SLED Driver waveform

Fig.2. Focus Driver waveform

**C.**

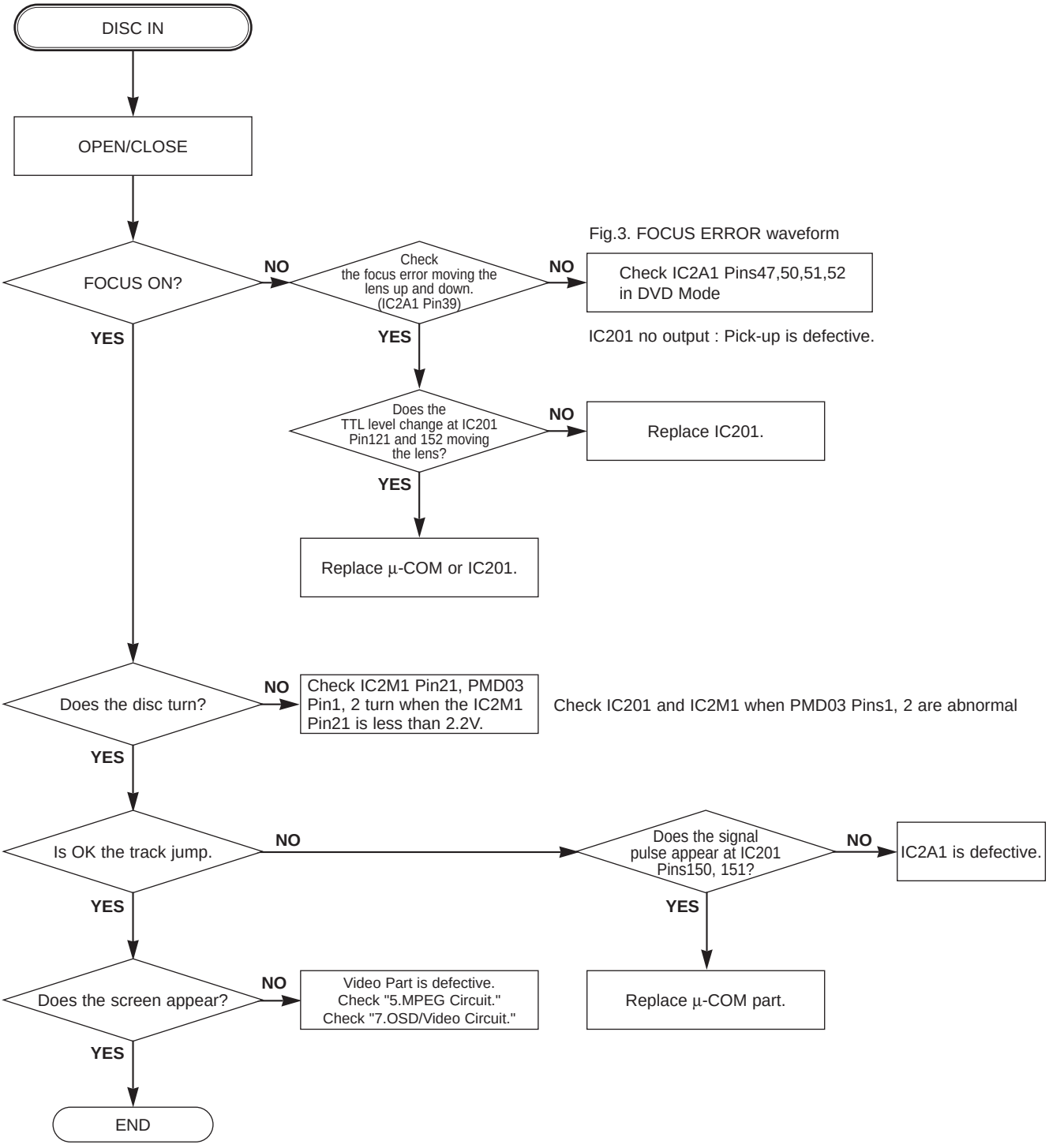
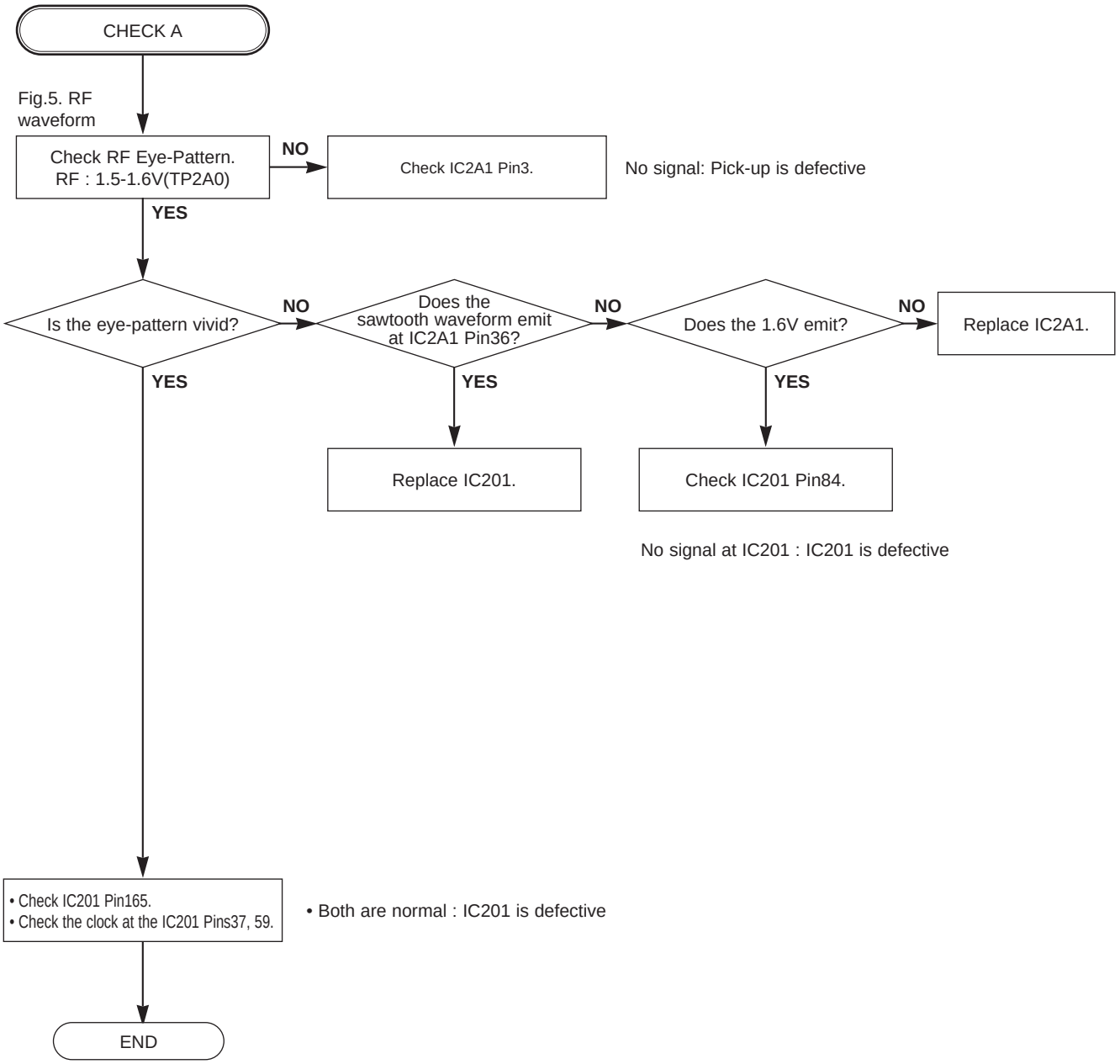



Fig.3. FOCUS ERROR waveform

IC201 no output : Pick-up is defective.

Check IC201 and IC2M1 when PMD03 Pins1, 2 are abnormal

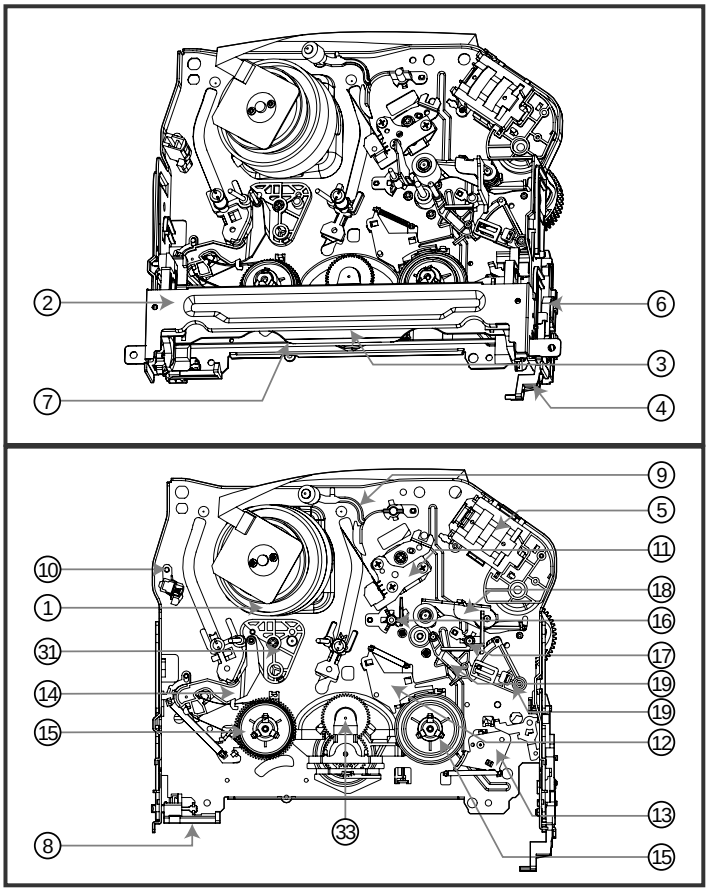
**D.**


CHECK A
Fig.5. RF waveform
Check RF Eye-Pattern.
RF : 1.5-1.6V(TP2A0)
NO
Check IC2A1 Pin3.
No signal: Pick-up is defective
YES
Is the eye-pattern vivid?
NO
Does the sawtooth waveform emit at IC2A1 Pin36?
NO
Does the 1.6V emit?
NO
Replace IC2A1.
YES
YES
YES
Replace IC201.
Check IC201 Pin84.
No signal at IC201 : IC201 is defective
• Check IC201 Pin165.
• Check the clock at the IC201 Pins37, 59.
• Both are normal : IC201 is defective
END

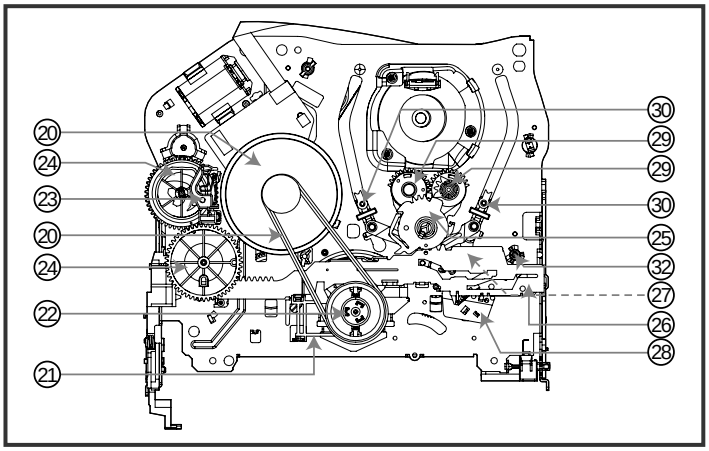
# SECTION 4 MECHANISM OF VCR PART
## CONTENTS

# DECK MECHANISM PARTS LOCATIONS

## • Top View




## • Bottom View




**NOTE : When reassembly perform the procedure in the reverse order.**

1) When reassembling, confirm Mechanism and Mode Switch Alignment Position (Refer to Page 4-13)
2) When disassembling, the Parts for Starting No. Should be removed first.

| Procedure / Starting No. | | Part | Fixing Type | Figure | View |
|---|---|---|---|---|---|
| | 1 | Drum Assembly | 3 Screw | A-1 | T |
| | 2 | Plate Top | 2 Hook | A-2 | T |
| 2 | 3 | Holder Assembly CST | Chassis Hole | A-2 | T |
| 2 | 4 | Opener Door | Chassis Hole | A-2 | T |
| | 5 | Bracket Assembly L/D Motor | 3 Hook | A-2 | T |
| 2,3,4 | 6 | Gear Assembly Rack F/L | 1 Hook, Chassis Hole | A-2 | T |
| 2,3,4,6 | 7 | Arm Assembly F/L | Chassis Hole | A-2 | T |
| | 8 | Lever Assembly S/W | 1 Hook | A-2 | T |
| | 9 | Arm Assembly Cleaner | Chassis Embossing | A-3 | T |
| | 10 | Head F/E | Chassis Embossing | A-3 | T |
| | 11 | Base Assembly A/C Head | 1 Screw | A-3 | T |
| 2,3 | 12 | Brake Assembly T | 1 Hook | A-4 | T |
| 2,3 | 13 | Brake Assembly RS | 1 Hook | A-4 | T |
| 2,3 | 14 | Arm Assembly Tension | 2 Hook | A-4 | T |
| 2,3,12,13, 14 | 15 | Reel S/Reel T | | A-4 | T |
| | 16 | Base Assembly P4 | Chassis Embossing | A-5 | T |
| | 17 | Opener Lid | Chassis Embossing | A-5 | T |
| 17 | 18 | Arm Assembly Pinch | Shaft | A-5 | T |
| 17 | 19 | Lever T/Up / Arm T/Up | 1 Hook | A-5 | T |
| 17,18 | 20 | Belt Capstan/Motor Capstan | 3 Screw | A-6 | B |
| | 21 | Lever F/R | Locking Tab | A-6 | B |
| 20, 21 | 22 | Clutch Assembly D35 | Washer | A-6 | B |
| | 23 | Brake Assembly Capstan | Locking Tab | A-6 | B |
| | 24 | Gear Drive/Gear Cam | Washer/Hook | A-7 | B |
| | 25 | Gear Sector | 1 Hook | A-7 | B |
| 20,21,23, 24,25 | 26 | Plate Slider | Shaft Guide | A-7 | B |
| 20,21,23, 24,25,26 | 27 | Lever Tension | 1 Hook | A-7 | B |
| 2,3,14,20, 21,25,23, 24,26 | 28 | Lever Spring | Locking Tab | A7 | B |
| 25 | 29 | Gear Assembly P2/Gear Assembly P3 | Boss | A-8 | B |
| 2,3,14,25, 29 | 30 | Base Assembly P2/Base Assembly P3 | Chassis Slot | A-8 | B |
| 2,3,14,25, 29 | 31 | Base Loading | 1 Screw | A-9 | T |
| 2,3,14 | 32 | Base Tension | Chassis Embossing | A-9 | B |
| 2,3,20,21, 22 | 33 | Arm Assembly Idler | Locking Tab | A-9 | T |

T:Top, B:Bottom

# DECK MECHANISM DISASSEMBLY

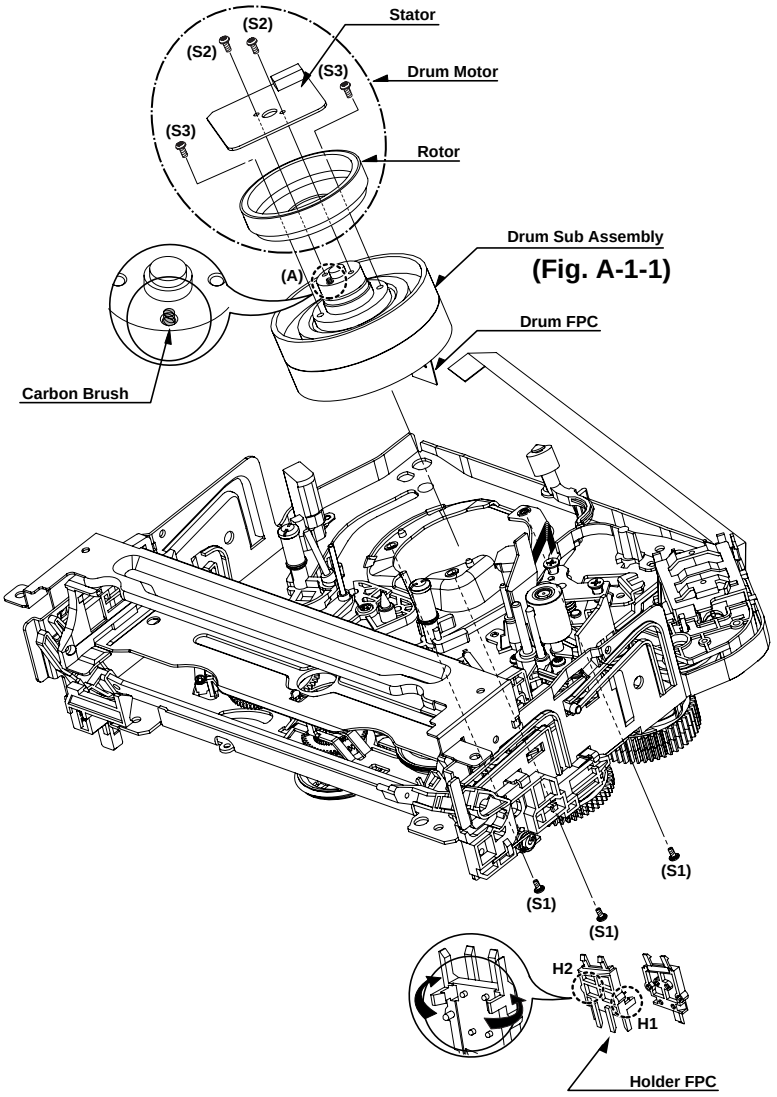



**Fig. A-1**

## 1. Drum Assembly (Fig. A-1-1)

1) Unplug the Drum FPC Connector.
2) Remove three Screws(S1) on bottom side and separate the Drum assembly.
3) Unhook (H1), (H2) and separate the Holder FPC and Cap FPC.

### 1-1. Drum Motor

1) Remove two Screws(S2) and disassemble the Stator of the Drum Motor.
2) Remove two Screws(S3) and separate the Rotor of the Drum Motor from the Drum Sub assembly.

**NOTE**

When reassembling, confirm (A) portion of the Drum Sub assembly whether the Carbon Brush is in there or not.

**(Fig. B-1)**

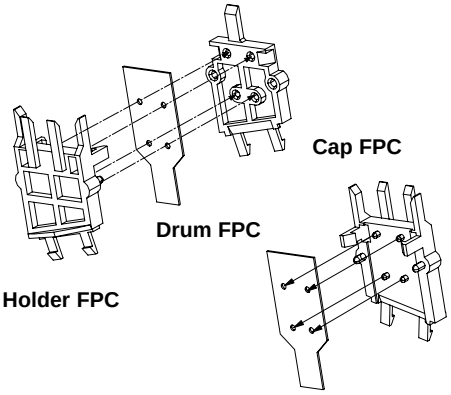



**Figure in the opposite direction**

# DECK MECHANISM DISASSEMBLY

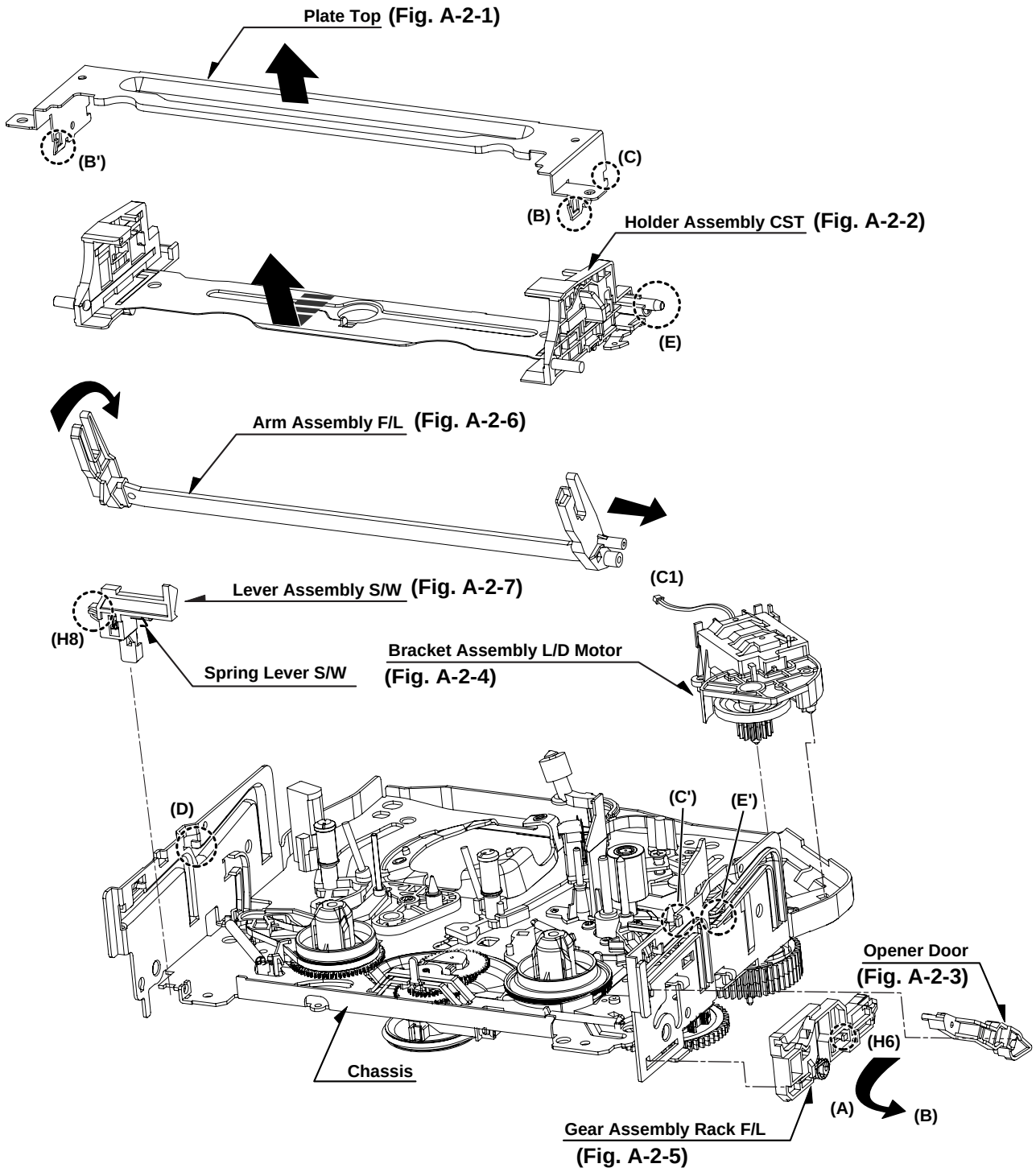



**Fig. A-2**

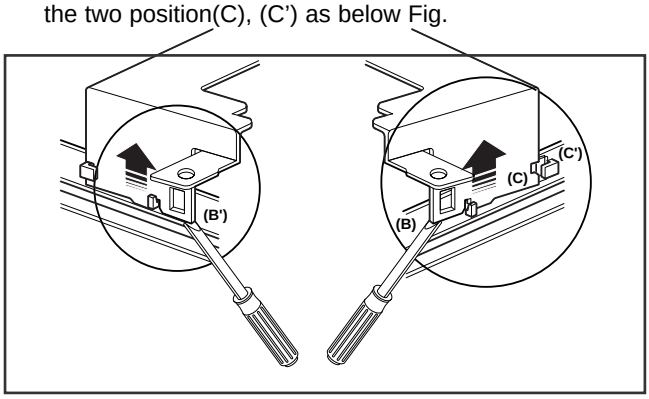
# DECK MECHANISM DISASSEMBLY

## 2. Plate Top (Fig. A-2-1)

1) Pull the (B) portion of the Plate Top back in direction of arrow and separate the right side of it.
2) pull the (B') portion of the Plate Top back in direction of arrow and separate the left side of it.
   (Used tools : (-) type driver, anything tool with sharp point or flat point.)

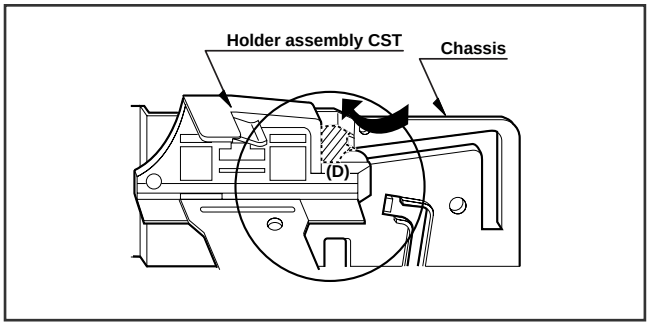
**NOTE**

(1) When reassembling, push the Plate Top after alignment the two position(C), (C') as below Fig.




## 3. Holder Assembly CST (Fig.A-2-2)

1) Move the Holder Assembly CST in direction of arrow and separate the left side of it first through the (D) position of the Chassis.




2) Disassemble the right side of the Holder Assembly CST from each guided hole of the Chassis.

**NOTE**

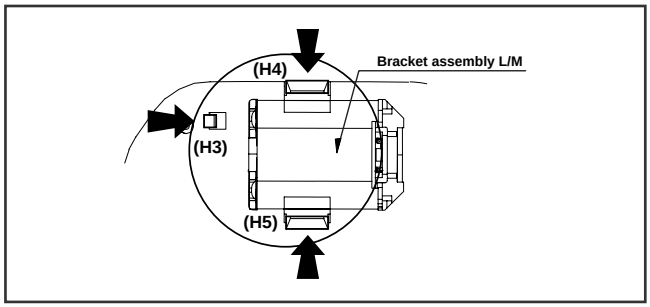
When reassembling, insert the (E) part of the Holder Assembly CST in the (E') hole of the Chassis first and assemble the left side of it.

## 4. Opener Door (Figure. A-2-3)

1) Turn the Opener Door clockwise and remove it through the guide hole of the Chassis.

## 5. Bracket Assembly L/D Motor (Fig. A-2-4)

1) Unplug the Connector(C1).
2) Unhook three Hooks(H3, H4, H5) on bottom side of the Chassis, lift up the Bracket Assembly L/M and disassemble the Bracket Assembly L/D Motor.

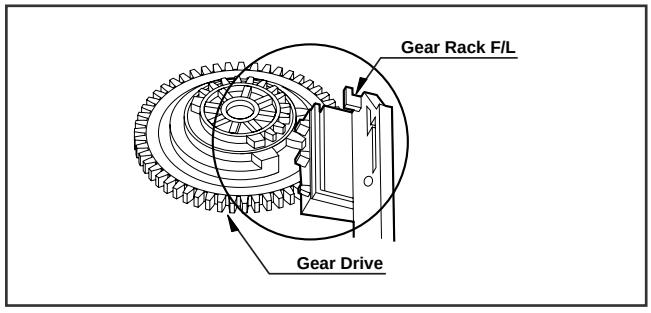



## 6. Gear Assembly Rack F/L (Fig. A-2-5)

1) Move the Gear Assembly Rack F/L in direction of arrow(A) and unhook the Hook(H6) pulling back in front.
2) Separate the Gear Rack F/L in direction of arrow(B).

**NOTE**

When reassembling, align the gear part of the Gear Assembly Rack F/L with the Gear Drive as below Fig.

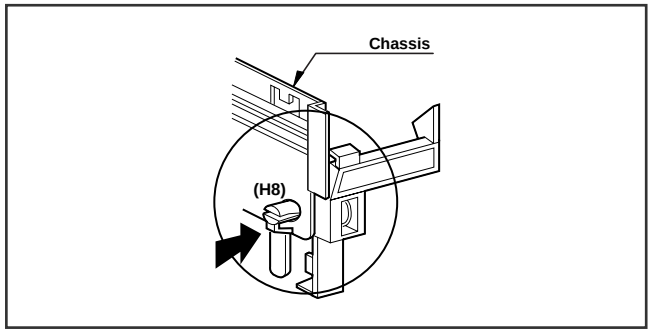



## 7. Arm Assembly F/L (Fig. A-2-6)

1) Move the Arm Assembly F/L in direction of arrow and separate the left side of it first.
2) Disassemble the Arm Assembly F/L from each guided hole of the Chassis.

## 8. Lever Assembly S/W(Fig. A-2-7)

1) Unhook the Hook(H8) in the left side of the Chassis and remove the Lever Assembly S/W.



# DECK MECHANISM DISASSEMBLY

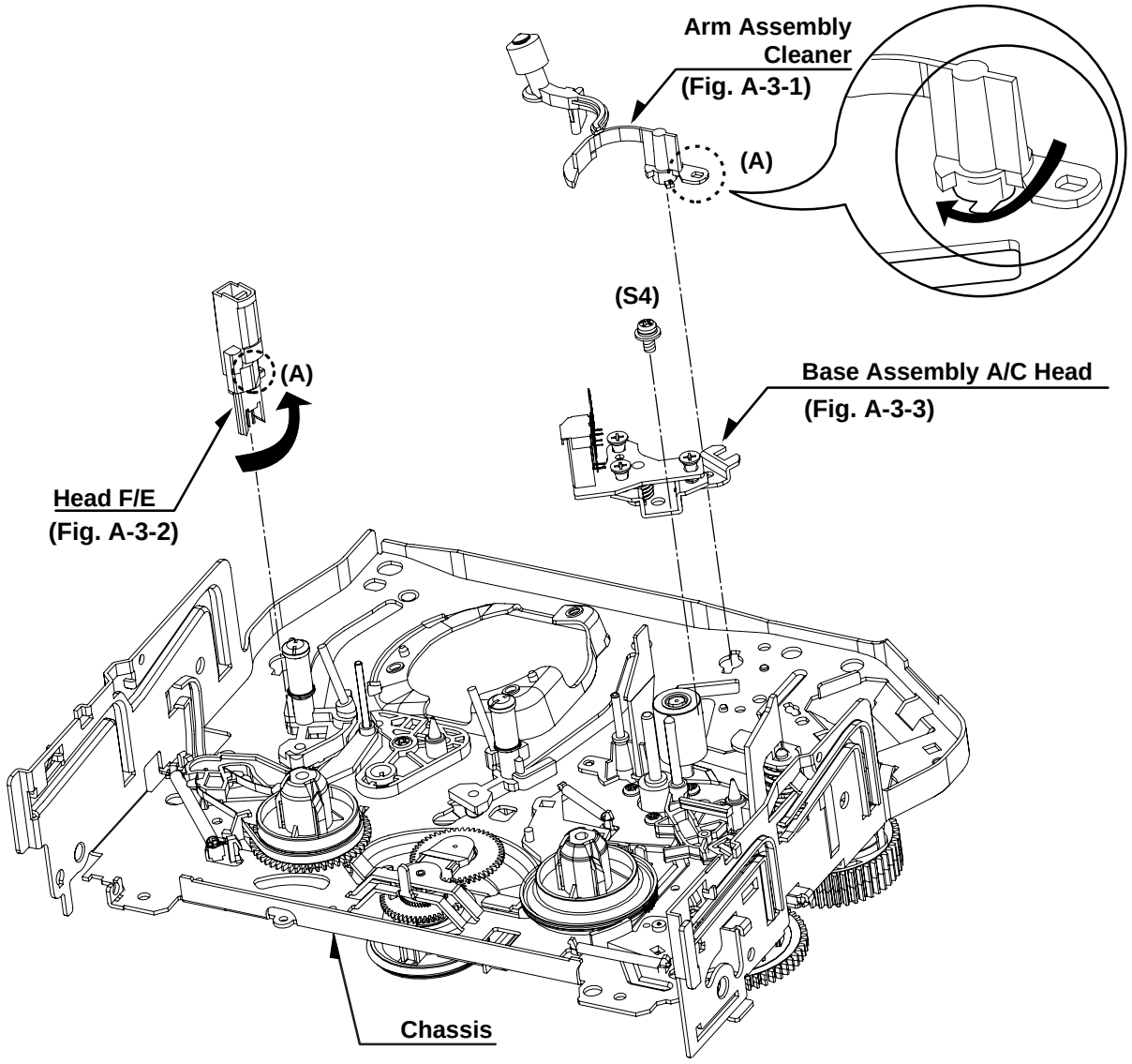



**Fig. A-3**

## 9. Arm Assembly Cleaner (Fig. A-3-1)

1) Breakaway the (A) portion as Fig. A-3-1 from the embossing of the Chassis, turn the Arm assembly Cleaner to clockwise direction and lift it up.

## 10. Head F/E (Fig. A-3-2)

1) Breakaway the (A) portion of the Head F/E from the embossing of the Chassis, turn it to counterclockwise direction and lift it up.

## 11. Base Assembly A/C Head (Fig. A-3-3)

1) Remove the Screw(S4) and lift the Base Assembly A/C Head up.

# DECK MECHANISM DISASSEMBLY

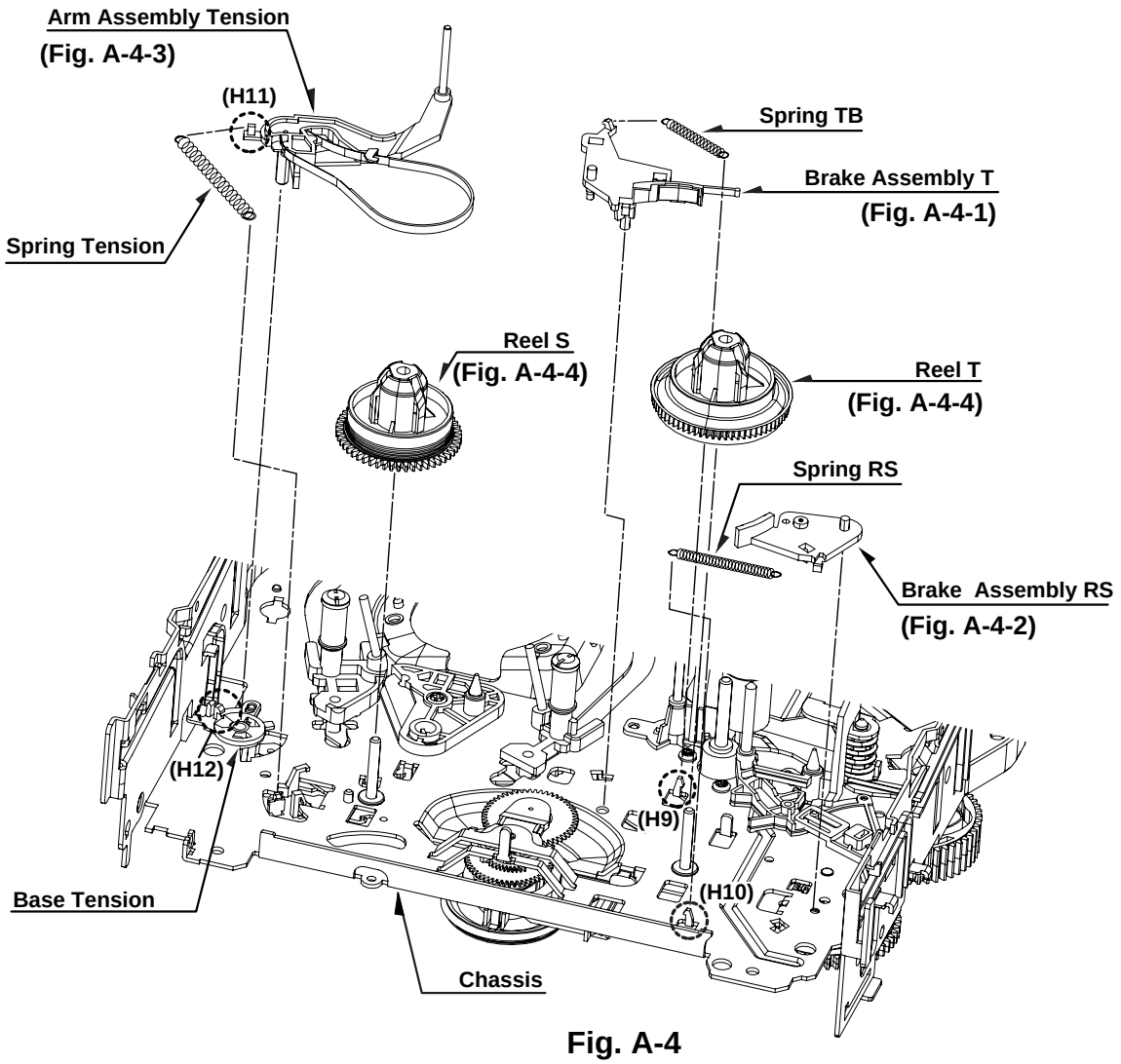



**Fig. A-4**

## 12. Brake Assembly T (Fig. A-4-1)

1) Unhook the Spring TB from the Hook(H9) of the Chassis.
2) Lift the Brake Assembly T up.

## 13. Brake Assembly RS (Fig. A-4-2)

1) Unhook the Spring RS from the Hook(H10) of the Chassis.
2) Lift the Brake Assembly T up.

## 14. Arm Assembly Tension (Fig. A-4-3)

1) Unhook the Spring Tension from the Hook(H11) of the Arm Assembly Tension.
2) Unhook the Hook(H12) of the Base Tension and lift the Arm Assembly Tension up.

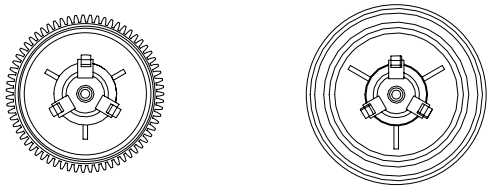
**NOTE**

**Difference for Springs**

| | |
|---|---|
| | **Spring TB** |
| | **Spring RS** **Color (Black)** |
| | **Spring Tension** |

## 15. Reel S / Reel T (Fig. A-4-4)

1) Difference for Reel S / Reel T



**Reel S** **R eel T**

# DECK MECHANISM DISASSEMBLY

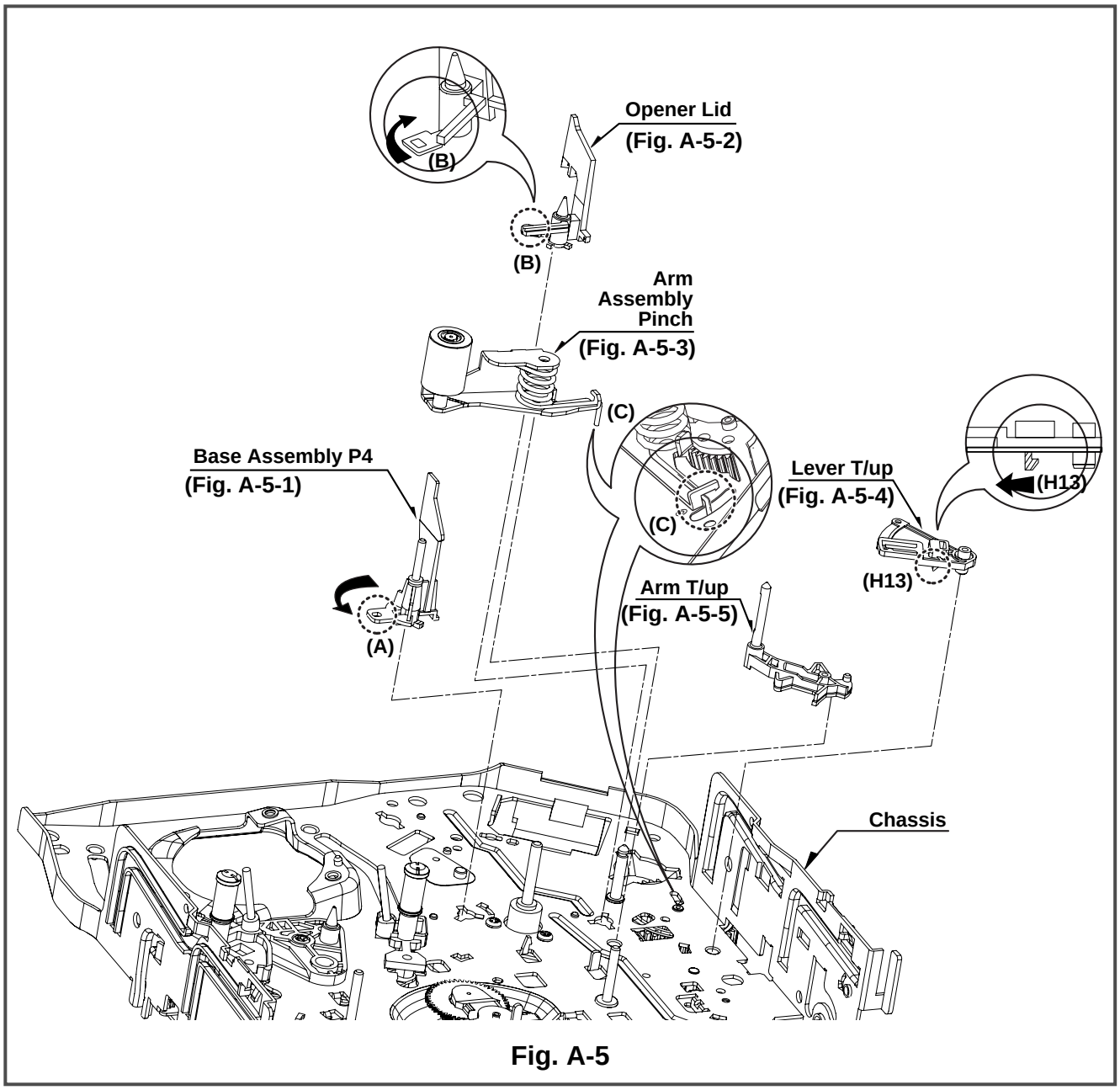



**Fig. A-5**

## 16. Base Assembly P4 (Fig. A-5-1)

1) Breakaway the (A) portion of the Base Assembly P4 from the embossing of the Chassis.
2) Turn the Base Assembly P4 to counterclockwise direction and lift it up.

## 17. Opener Lid (Fig. A-5-2)

1) Breakaway the (B) portion of the Opener Lid from the embossing of the Chassis.
2) Turn the Opener Lid to clockwise direction and lift it up.

## 18. Arm Assembly Pinch (Fig. A-5-3)

1) Lift the Arm Assembly Pinch up.

**NOTE**

When reassembling, confirm the (C) portion of the Arm Assembly Pinch is inserted to the Chassis hole correctly as Fig.

## 19. Lever T/up (Fig. A-5-4)/ Arm T/up (Fig. A-5-5)

1) Unhook the Hook(H13) of the bottom Chassis and lift the Lever T/up up.
2) Lift the Arm T/up up.

# DECK MECHANISM DISASSEMBLY

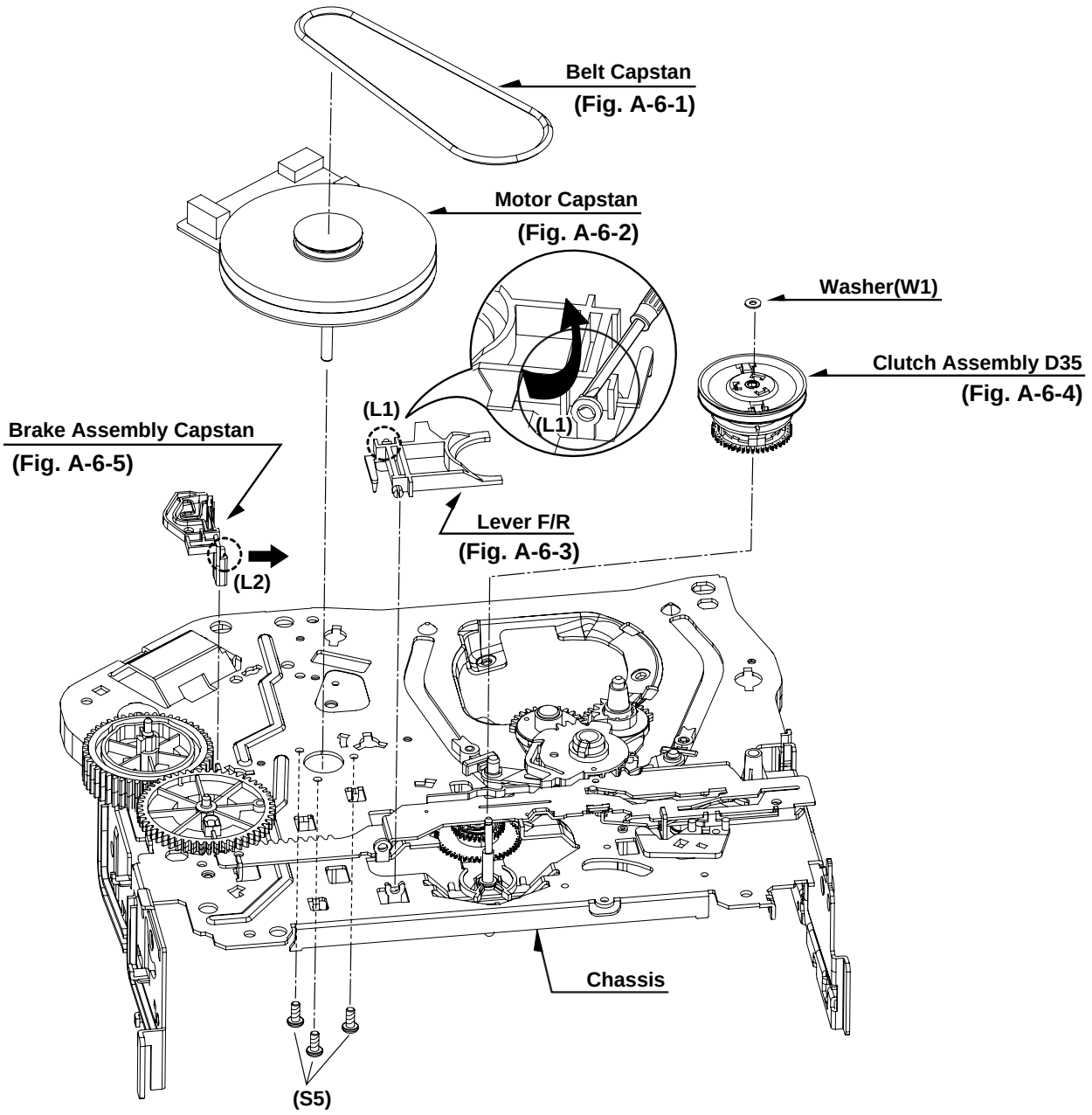



**Fig. A-6**

## 20. Belt Capstan (Fig. A-6-1)/ Motor Capstan (Fig. A-6-2)

1) Remove the Belt Capstan.
2) Remove the three Screws(S5) on bottom Chassis and lift the Motor Capstan up.

## 21. Lever F/R (Fig. A-6-3)

1) Unlock the Locking Tab(L1) as Fig. A-6-3 and lift the Lever F/R up.

## 22. Clutch Assembly D35 (Fig. A-6-4)

1) Remove the Washer(W1) and lift the Clutch Assembly D35 up.

## 23. Brake Assembly Capstan (Fig. A-6-5)

1) Pull the Locking Tab(L2) back in direction of arrow and lift it up.

# DECK MECHANISM DISASSEMBLY

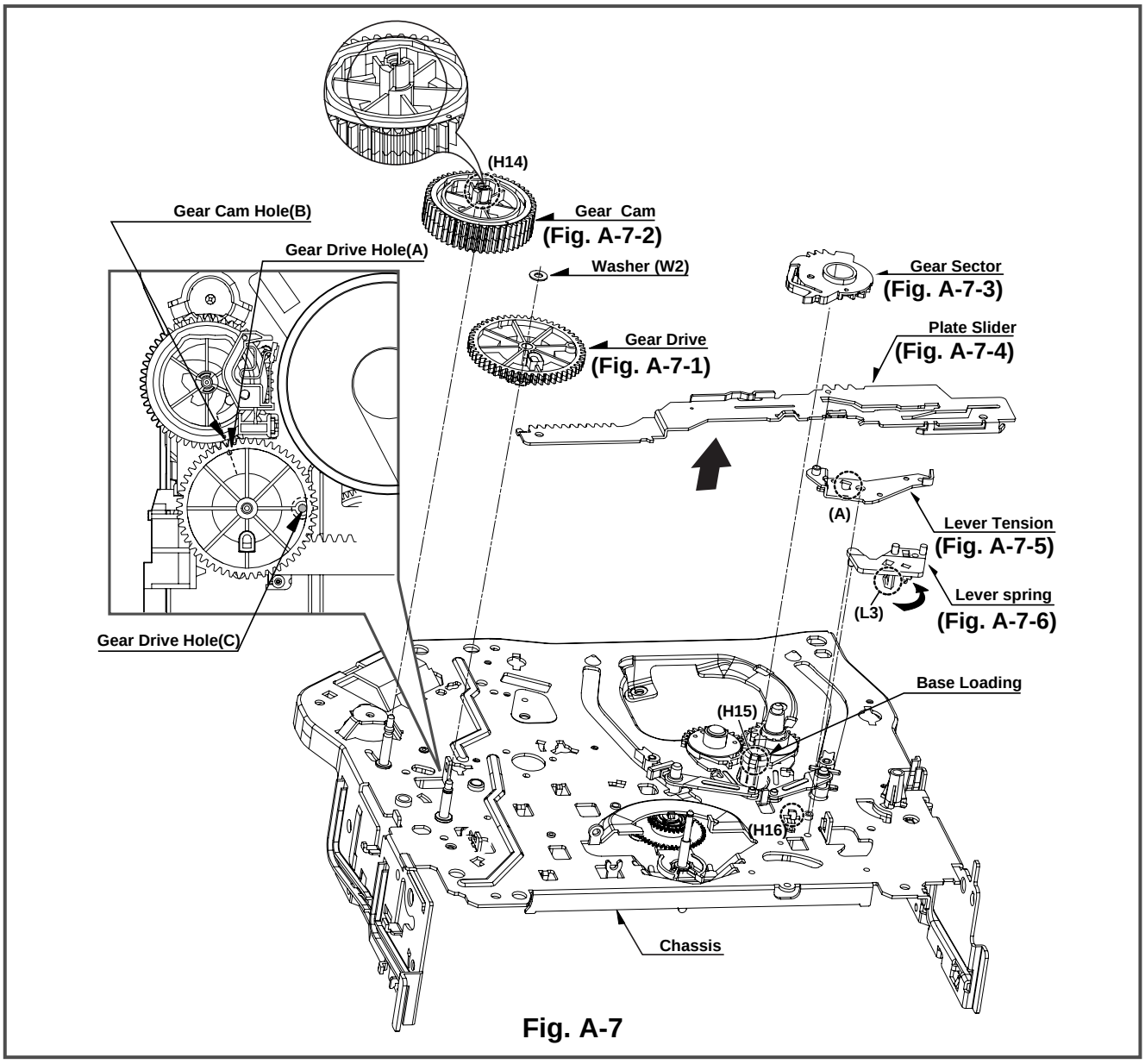



**Fig. A-7**

## 24. Gear Drive (Fig. A-7-1)/ Gear Cam (Fig. A-7-2)

1) Remove the Washer(W2) and lift the Gear Drive up.
2) Unhook the Hook(H14) of the Gear Cam and lift the Gear Cam up.

**NOTE**

When reassembling, align the Gear Drive Hole(A) and the Gear Cam Hole(B) in a straight line after the Gear Drive Hole(C) is aligned with the Chassis Hole as Fig.

## 25. Gear Sector (Fig. A-7-3)

1) Unhook the Hook(H15) of the Base Loading on bottom Chassis and lift the Gear Sector up.

## 26. Plate Slider (Fig. A-7-4)

1) Just lift the Plate Slider up.

## 27. Lever Tension (Fig. A-7-5)

1) Unhook the (A) portion of the Lever Tension from the Hook(H16) of the Chassis.
2) Turn the Lever Tension to counterclockwise direction and lift it up.

## 28. Lever Spring (Fig. A-7-6)

1) Unlock the Locking Tab(L3) of the bottom Chassis and lift the Lever Spring up.

# DECK MECHANISM DISASSEMBLY

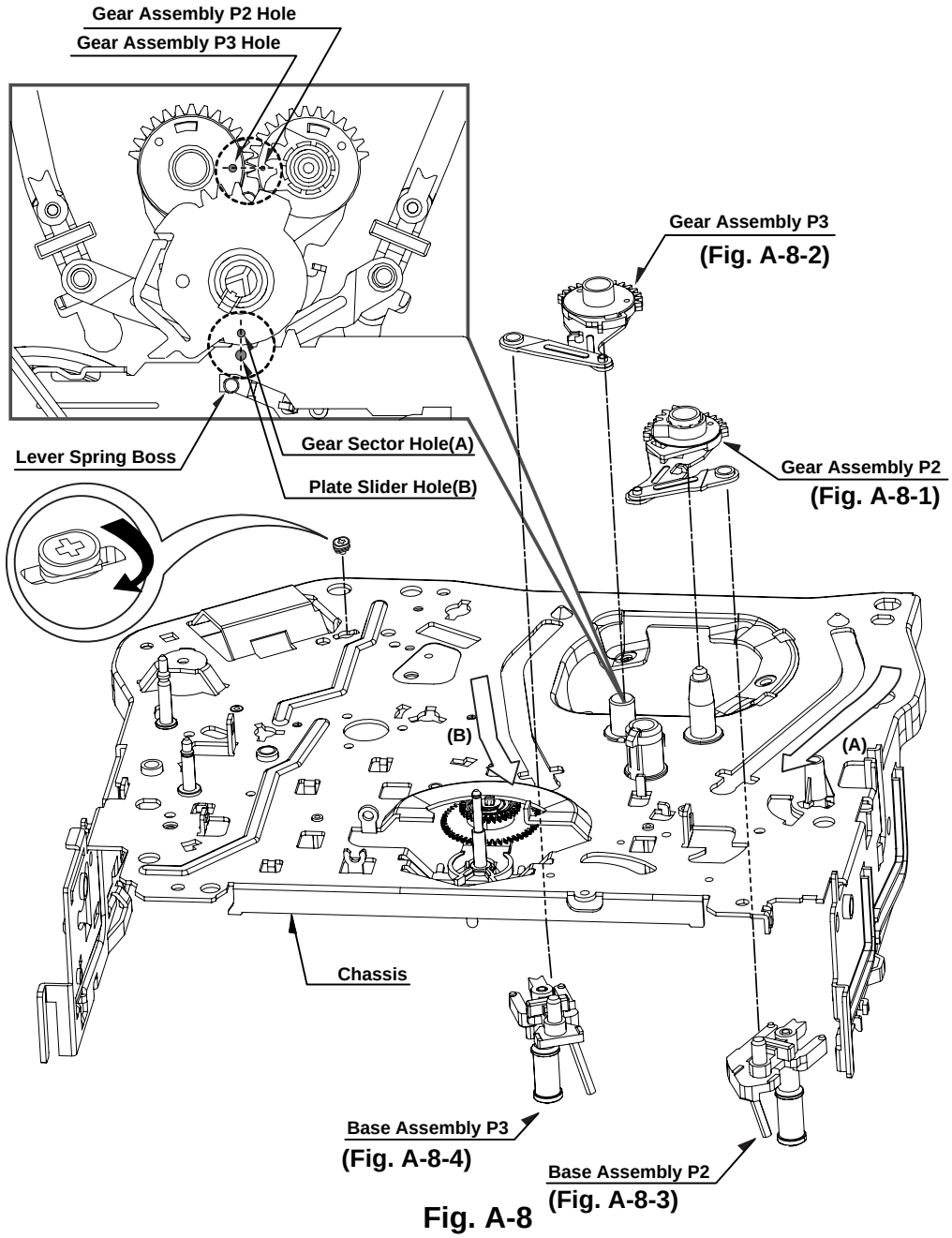



**Fig. A-8**

## 29. Gear Assembly P2 (Fig. A-8-1)/ Gear Assembly P3 (Fig. A-8-2)

1) Just lift the Gear Assembly P2 up.
2) Just lift the Gear Assembly P3 up.

**NOTE**

When reassembling, align the two holes of the Gear Assembly P2 and P3 in a straight line after confirmation whether the Gear Sector Hole(A) and the Plate Slider Hole(B) are aligned or not as Fig.

## 30. Base Assembly P2 (Fig. A-8-3)/ Base Assembly P3 (Fig. A-8-4)

1) Move the Base Assembly P2 in direction of arrow(A) along the guide hole of the Chassis and disassemble it on bottom side.
2) Move the Base Assembly P3 in direction of arrow(B) along the guide hole of the Chassis and disassemble it on bottom side.

# DECK MECHANISM DISASSEMBLY

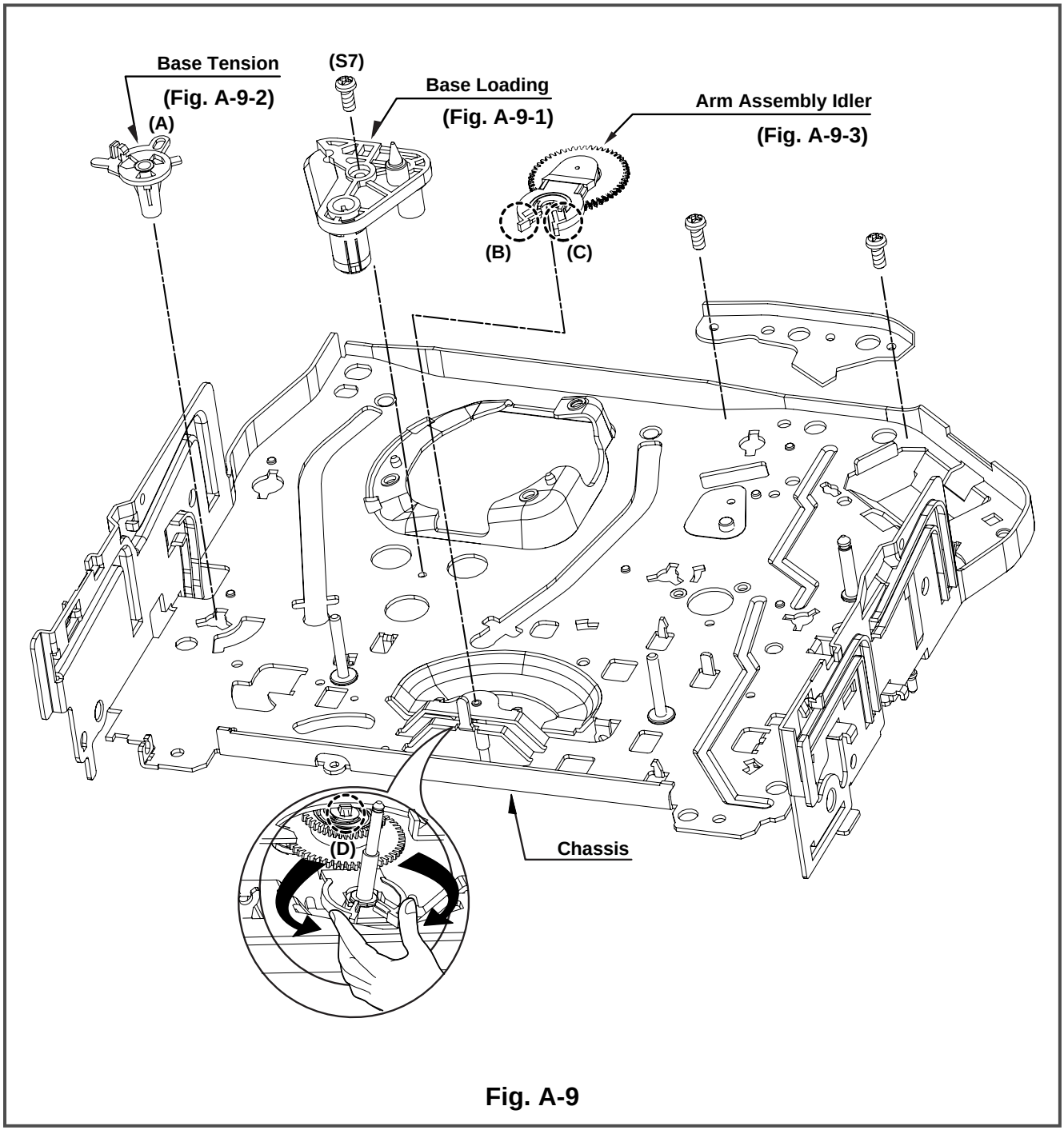



**Fig. A-9**

## 31. Base Loading (Fig. A-9-1)

1) Remove the Screw(S7).
2) Lift the Base Loading up.

## 32. Base Tension (Fig. A-9-2)

1) Breakaway the (A) portion of the Base Tension from the embossing of the Chassis.
2) Turn the Base Tension to counterclockwise direction and lift it up.

## 33. Arm Assembly Idler (Fig. A-9-3)

1) Make narrower the two parts, (B) and (C), as Fig. A-9-3.
2) Lift the Arm assembly Idler up.

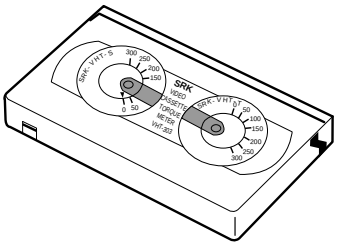
**NOTE**

When disassembling, be careful not to be caught the (D) part by the Chassis as Fig.

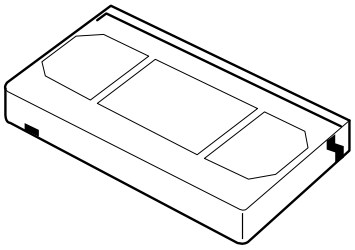
# DECK MECHANISM ADJUSTMENT

## • Tools and Fixfures for Service

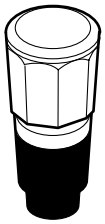
**1. Cassette Torque Meter**
**PUJ42881**



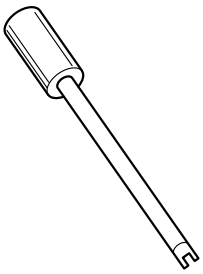
**2. Alignment Tape**
**NTSC: MHP**
**PAL: MHPE**



**3. Torque Gauge**
**PUJ48075-2**



**5. Post Height Adjusting Driver (Roller driver)**
**PTU94002**



# DECK MECHANISM ADJUSTMENT

## 1. Mechanism Alignment Position Check

**Purpose:To determine if the Mechanism is in the correct position, when a Tape is ejected.**

| Test Equipment/ Fixture | Test Conditions (Mechanism Condition) | Check Point |
|---|---|---|
| • Blank tape | • Eject Mode (with Cassette ejected) | • Mechanism and Mode Switch Position |

1) Turn the Power S/W on and eject the Cassette by pressing the Eject Button.
2) Remove the Top Cover and Plate Assembly Top, visually check if the Gear Cam Hole is aligned with the Chassis Hole as below Fig. C-2.
3) IF not, rotate the Shaft of the Loading Motor to either clockwise or counterclockwise until the alignment is as below Fig. C-2.
4) Remove the Screw which fixes the Deck Mechanism and Main Frame and confirm if the Gear Cam is aligned with the Gear Drive as below Fig. C-1(A).
5) Confirm if the Mode S/W on the Main P.C.Board is aligned as below Fig. C-1(B).
6) Remount the Deck Mechanism on the Main P.C.Board and check each operation.

**CHECK DIAGRAM**

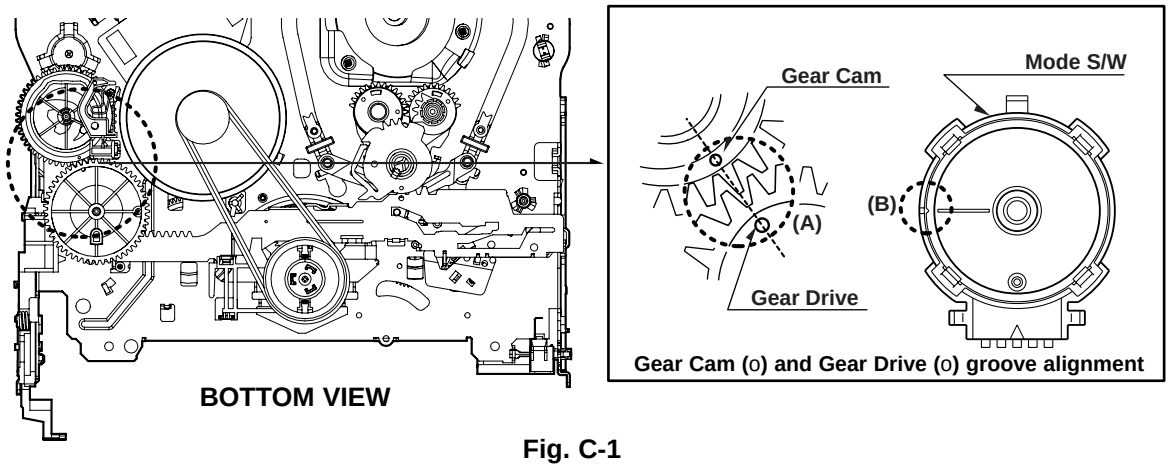



**Fig. C-1**

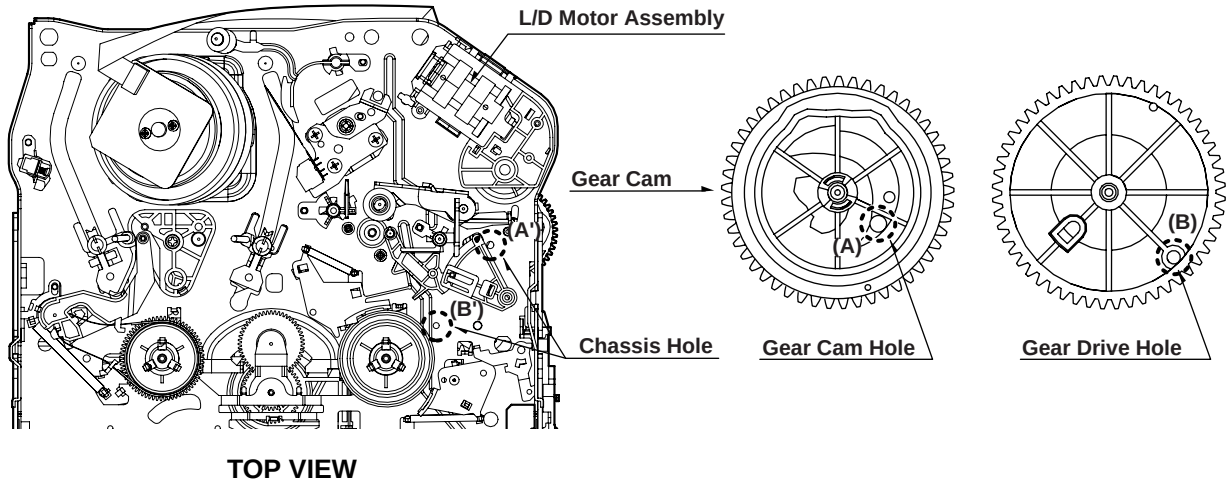



**Fig. C-2**

# DECK MECHANISM ADJUSTMENT

## 2. Preparation for Adjustment (To set the Deck Mechanism of the loading state without inserting a cassette tape).

1) Unplug the power cord from the AC outlet.
2) Disassemble the Top Cover and Plate Assembly Top.
3) Plug the power cord into the AC outlet.
4) Turn the power S/W on and push the Lever Stopper of the Holder Assembly CST to the back for loading the cassette without tape.
Cover the holes of the End Sensors at the both sides of the Chassis to prevent a light leak.
Then the Deck Mechanism drives to the Stop Mode.
In this case, the Deck Mechanism can accept inputs of each mode, however the Rewind and Review operation can not be performed for more than a few seconds because the Take-up Reel Table is in the Stop State and can not be detected the Reel Pulses.

## 3. Checking Torque

**Purpose: To insure smooth transport of the tape during each mode of operation.**
**If the tape transport is abnormal, then check the torque as indicated by the chart below.**

| Test Equipment/ Fixture | Test Conditions (Mechanism Condition) | Checking Method |
|---|---|---|
| • Torque Gauge(600g/cm ATG)<br>• Torque Gauge Adaptor<br>• Cassette Torque Meter | • Play (FF) or Review (REW) Mode | • Perform each Deck Mechanism mode without inserting a cassette tape(Refer to above No.2 Preparation for Adjustment).<br>• Read the measurement of the Take-up or Supply Reels on the Cassette Torque Meter(Fig. C-3-2).<br>• Attach the Torque Gauge Adaptor to the Torque Gauge and then read the value of it(Fig. C-3-1). |

| Item | Mode | Test Equipment | Measurement Reel | Measurement Values |
|---|---|---|---|---|
| Fast Forward Torque | Fast Forward | Cassette Torque Gauge | Take-Up Reel | More than 400g/cm |
| Rewind Torque | Rewind | Cassette Torque Gauge | Supply Reel | More than 400g/cm |
| Play Take-Up Torque | Play | Cassette Torque Meter | Take-Up Reel | 40~100g/cm |
| Review Torque | Review | Cassette Torque Meter | Supply Reel | 120~210g/cm |

**NOTE:**

The values are measured by using a Torque Gauge and Torque Gauge Adaptor with the Torque Gauge affixed.

**NOTE:**

The torque reading to measure occurs when the tape abruptly changes direction from Fast Forward to Rewind Mode, when quick braking is applied to both Reels.

**• Torque Gauge (600g.cm ATG)**

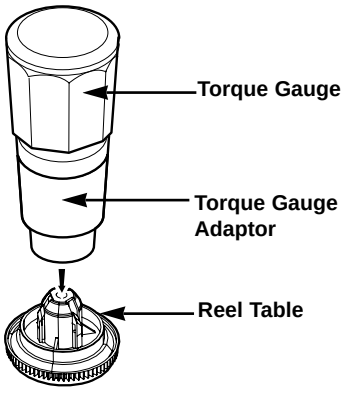



**Fig. C-3-1**

**• Cassette Torque Meter**

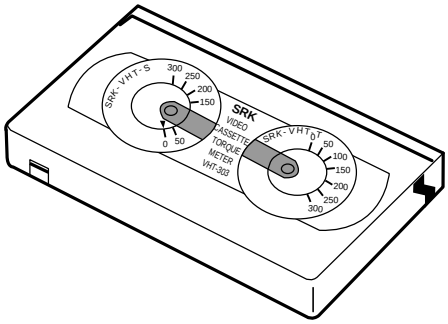



**Fig. C-3-2**

# DECK MECHANISM ADJUSTMENT

## 4.Guide Roller Height Adjustment

**Purpose: To regulate the height of the tape so that the bottom of the tape runs along the tape guide line on the Lower Drum.**

### 4-1. Preliminary Adjustment

| Test Equipment/ Fixture | Test Conditions (Mechanism Condition) | Adjustment Point |
|---|---|---|
| • Post Height Adjusting Driver | • Play or Review Mode | • Guide Roller Height Adjustment screws on the Supply and Take-Up Guide Rollers. |

**Adjustment Procedure**

1) Confirm if the tape runs along the tape guide line of the Lower Drum.
2) If the tape runs the bottom of the guide line, turn the Guide Roller Height Adjustment Screw to clockwise direction.
3) If it runs the top, turn to counterclockwise direction.
4) Adjust the height of the Guide Roller to be guided to the guide line of the Lower Drum from the starting and ending point of the Drum.

**ADJUSTMENT DIAGRAM**

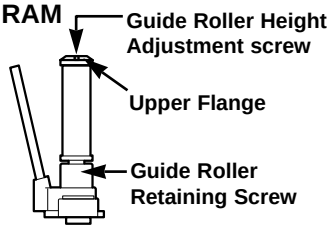



**Fig. C-4-1**

### 4-2. Precise Adjustment

| Test Equipment/Fixture | Test Equipment Connection Points | Test Conditions VCR(VCP) State | Adjustment Point |
|---|---|---|---|
| • Oscilloscope<br>• Alignment Tape<br>• Post Height Adjusting Driver | • CH-1:PB RF Envelope<br>• CH-2:NTSC: SW 30Hz<br>PAL: SW 25Hz<br>• Head Switching Output Point<br>• RF Envelope Output Point | • Play an Alignment Tape | • Guide Roller Height Adjustment Screws |

**Adjustment Procedure**

1) Play an Alignment Tape after connecting the probe of the Oscilloscope to the RF Envelope Output Test Point and Head Switching Output Test Point.
2) Tracking Control(in PB Mode) : Center Position(When this adjustment is performed after the Drum Assembly has been replaced, set the Tracking Control so that the RF Output is Maximum).
3) Height Adjustment Screw : Flatten the RF waveform. (Fig. C-4-2)
4) Turn(Move) the Tracking Control(in PB Mode) clockwise and counterclockwise.(Fig. C-4-3)
5) Check that any drop of RF Output is uniform at the start and end of the waveform.

**NOTE**

If the adjustment is excessive or insufficient the tape will jam or fold.

**Waveform Diagrams**

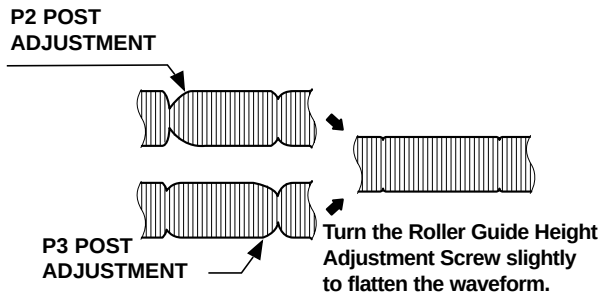



**Fig. C-4-2**

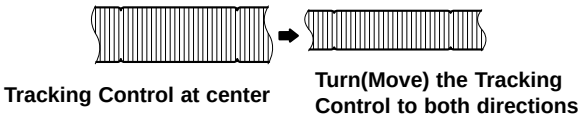
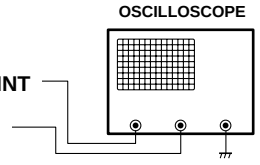



**Fig. C-4-3**

**Connection Diagram**



# DECK MECHANISM ADJUSTMENT

## 5. Audio/Control (A/C) Head Adjustment

**Purpose: To insure that the tape passes accurately over the Audio and Control Tracks in exact alignment of the both Record and Playback Modes.**

**5-1. Preliminary Adjustment (Height and Tilt Adjustment)**
**Perform the Preliminary Adjustment, when there is no Audio Output Signal with the Alignment Tape.**

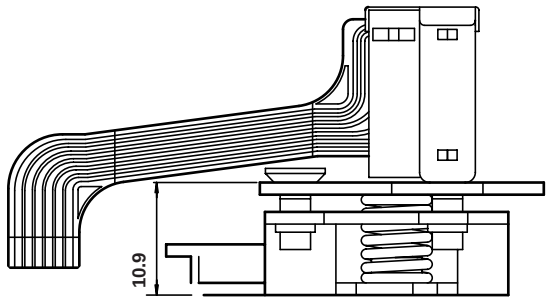
| Test Equipment/ Fixture | Test Conditions (Mechanism Condition) | Adjustment Point |
|---|---|---|
| • Blank Tape<br>• Screw Driver(+) Type 5mm | • Play the blank tape | • Tilt Adjustment Screw(C)<br>• Height Adjustment Screw(B)<br>• Azimuth Adjustment Screw(A) |

**Adjustment Procedure/Diagrams**

1) Initially adjust the Base Assembly A/C Head as shown Fig. C-5-1 by using the Height Adjustment Screw(B).
2) Play a blank tape and observe if the tape passes accurately over the A/C Head without tape curling or folding.
3) If folding or curling is occured then adjust the Tilt Adjustment Screw(C) while the tape is running to resemble Fig. C-5-3.
4) Reconfirm the tape path after Playback about 4~5 seconds.

**NOTE**

Ideal A/C head height occurs when the tape runs between 0.2~0.25mm above the bottom edge of the A/C Head core.




**A/C Head Base**

**Fig. C-5-1**

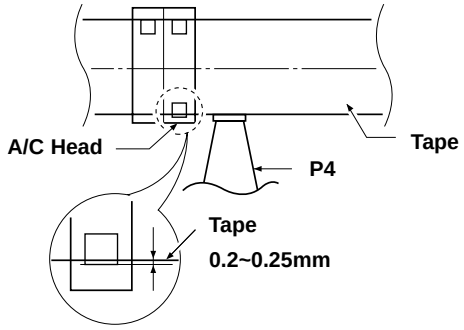
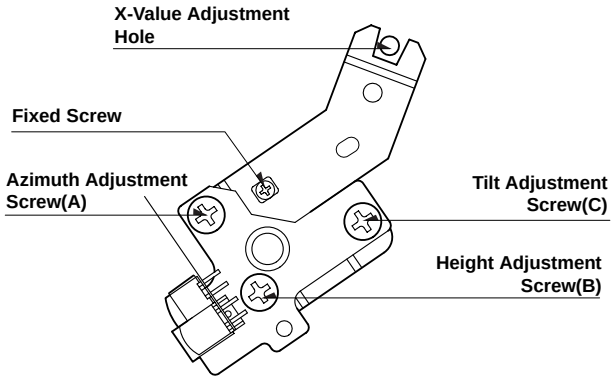



**Fig. C-5-3**




**A/C Head Assembly**

**Fig. C-5-2**

**5-2. Confirm that the tape passes smoothly between the Take-up Guide and Pinch Roller(using a mirror or the naked eye).**

1) After completing Step 5-1.(Preliminary Adjustment), check that the tape passes around the Take-up Guide and Pinch Roller without folding or curling at the top or bottom.
   (1) If folding or curling is observed at the bottom of the Take-up Guide then slowly turn the Tilt Adjustment Screw(C) in the clockwise direction.
   (2) If folding or curling is observed at the top of it then slowly turn the Tilt Adjustment Screw(C) in the counterclockwise direction.

**NOTE:**

Check the RF envelope after adjusting the A/C Head, if the RF waveform differs from Fig. C-5-4, performs Precise Adjustment to flat the RF waveform.

**5-3. Precise Adjustment (Azimuth adjustment)**

| Test Equipment/ Fixture | Connection Point | Test Conditions (Mechanism Condition) | Adjustment Point |
|---|---|---|---|
| • Oscilloscope<br>• Alignment Tape(SP)<br>• Screw Driver(+) Type 5mm | • Audio output jack | • Play an Alignment Tape 1KHz, 7KHz Sections | • Azimuth Adjustment Screw(A)<br>• Height Adjustment Screw(B) |

**Adjustment Procedure**

1) Connect the probe of the oscilloscope to Audio Output Jack.
2) Alternately adjust the Azimuth Adjustment Screw(A) and the Tilt Adjustment Screw(C) for maximum output of the 1KHz and 7KHz segments, while maintaining the flattest envelope differential between the two frequencies.

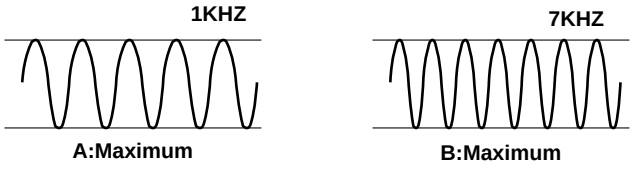
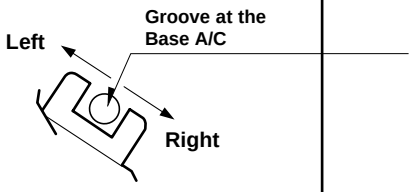



**Fig. C-5-4**

## 6. X-Value Adjustment

**Purpose: To obtain compatibility with the other VCR(VCP) Models.**

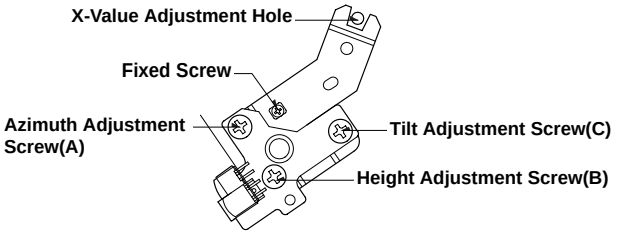
| Test Equipment/ Fixture | Connection Point | Test Conditions (Mechanism Condition) | Adjustment Point |
|---|---|---|---|
| • Oscilloscope<br>• Alignment Tape(SP only)<br>• Screw Driver(+) Type 5mm | • CH-1: PB RF Envelope<br>• CH-2: NTSC: SW 30Hz<br>PAL: SW 25Hz<br>• Head Switching Output Test Point<br>• RF Envelope Output Test Point | • Play an Alignment Tape |  |



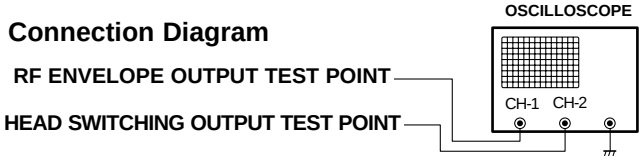
**Adjustment Procedure**

1) Release the Automatic Tracking to run long enough for tracking to complete it's cycle.
2) Loosen the Fixed Mounting Screw and move the Base Assembly A/C Head in the direction as shown in the diagram to find the center of the peak that allows for the maximum waveform envelope.
   This method should allow the 31μm Head to be centrally located over the 58μm tape track.
3) Tighten the Base Assembly A/C Head mounting Screw.

**Adjustment Diagram**




**Connection Diagram**



# DECK MECHANISM ADJUSTMENT

## 7. Adjustment after Replacing Drum Assembly (Video Heads)

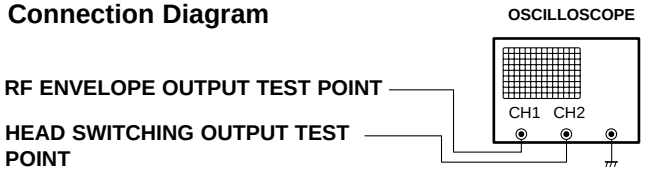
**Purpose: To correct for shift in the Roller Guide and X value after replacing the Drum.**

| Test Equipment/ Fixture | Connection Point | Test Conditions (Mechanism Condition) | Adjustment Points |
|---|---|---|---|
| • Oscilloscope<br>• Alignment Tapes<br>• Blank Tape<br>• Post Height Adjusting Driver<br>• Screw Driver(+) Type 5mm | • CH-1: PB RF Envelope<br>• CH-2: NTSC: SW 30Hz<br>PAL: SW 25Hz<br>• Head Switching Output Test Point<br>• RF Envelope Output Test Point | • Play the Blank Tape<br>• Play an Alignment Tape | • Guide Roller Precise Adjustment<br>• Switching Point<br>• Tracking Preset<br>• X-Value |

**Checking/Adjustment Procedure**

Play a blank tape and check for tape curling or creasing around the Roller Guide. If there is a problem then follow the procedure 4. "Guide Roller Height" and 5. "Audio Control(A/C) Head Adjustment".

**Connection Diagram**




**Waveform**

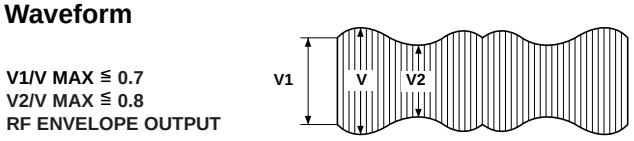



**Fig. C-7**

## 8. Check the Tape Travel after Reassembling Deck Assembly.

### 8-1. Checking Audio and RF Locking Time during playback and after CUE or REV (FF/REW)

| Test Equipment/ Fixture | Specification | Connection Points | Test Conditions (Mechanism Condition) |
|---|---|---|---|
| • Oscilloscope<br>• Alignment Tapes(with 6H 3KHz Color Bar Signal)<br>• Stop Watch | • RF Locking Time: Less than 5 sec.<br>• Audio Locking Time:Less than 10sec | • CH-1: PB RF Envelope<br>• CH-2: Audio Output<br>• RF Envelope Output Point<br>• Audio Output Jack | • Play an Alignment Tape (with 6H 3kHz Color Bar Signal) |

**Checking Procedure**

Play an Alignment Tape then change the operating mode to CUE or REV and confirm if the unit meets the above listed specifications.

**NOTES:**

1) CUE is the forward search mode
2) REV is the backward search mode
3) Refer to the Play mede

### 8-2. Checking for tape curling or jamming

| Test Equipment/ Fixture | Specification | Test Conditions (Mechanism Condition) |
|---|---|---|
| • T-160 Tape<br>• T-120 Tape | • Be sure there is no tape jamming or curling at the begining, middle or end of the tape. | • Run the CUE, REV, Play mode at the beginning and the end of the tape. |

**Checking Procedure**

1) Confirm that the tape runs smoothly around the roller guides, Drum and A/C Head Assemblies while abruptly changing operating modes from Play to CUE or REV. This is to be checked at the begining, middle and end sections of the tape.
2) Confirm that the tape passes over the A/C Head Assembly as indicated by proper audio reproduction and proper tape counter performance.

## 1. Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.
Check with the customer to find out how often the unit is used, and then determine that the unit is ready for inspection and maintenance. Check the following parts.

| Phenomenon | Inspection | Replacement | |
|---|---|---|---|
| Color beats | Dirt on Full-Erase Head | o | F/E Head |
| Poor S/N, no color | Dirt on Video Head | o | Video Head |
| Vertical or Horizontal jitter | Dirt on Video Head<br>Dirt on tape transport system | o | |
| Low volume, Sound distorted | Dirt on Audio/Control Head | o | A/C Head |
| Tape does not run. Tape is slack | Dirt on Pinch Roller | o | Pinch Roller<br>Belt Capston |
| In Review and Unloading (off mode), the tape is rolled up loosely. | Clutch Assembly D35 torque reduced | o | Clutch Assembly D35 |
| | Cleaning Drum and transport system | Fig. C-9-3 | |

**NOTE**

If locations marked with **o** do not operate normally after cleaning, check for wear and replace.
See the EXPLODED VIEWS at the end of this manual as well as the above illustrations and see the Greasing (Page 4-21, 22) for the sections to be lubricated and greased.

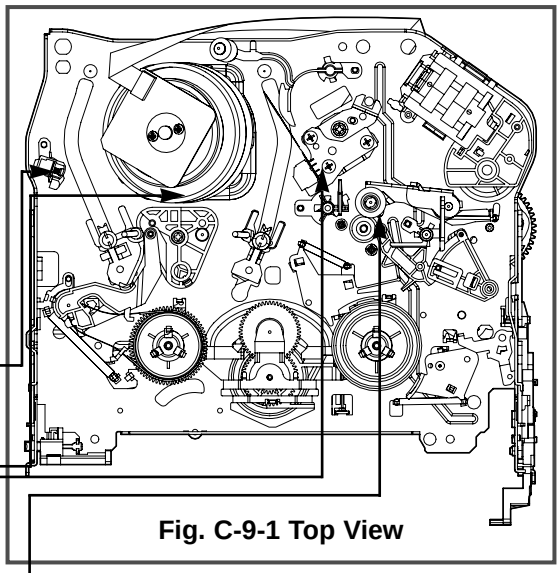


**Fig. C-9-1 Top View**

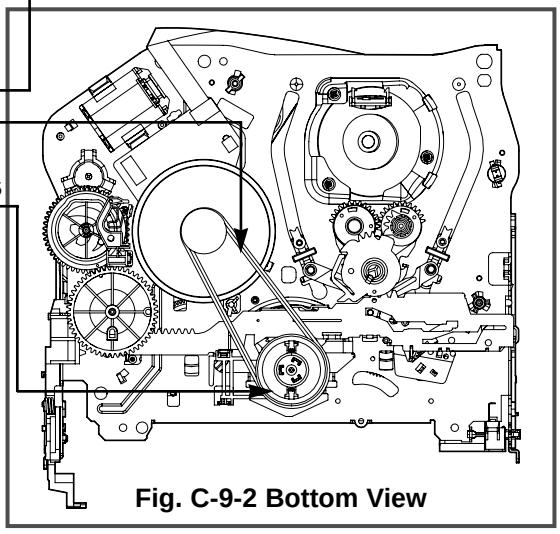


**Fig. C-9-2 Bottom View**

*** No. (1)~(12) Indicates the Tape Path to be traveled from Supply Reel to Take-up Reel.**

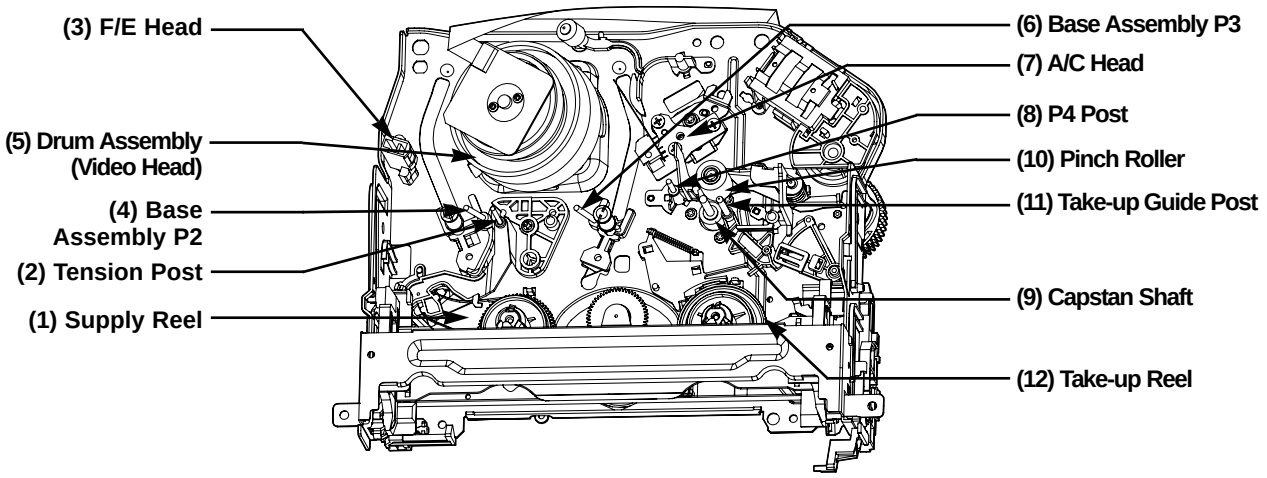



**Fig. C-9-3 Tape Transport System**

## 2. Required Maintenance

The recording density of a VCR(VCP) is much higher than that of an audio tape recorder. VCR(VCP) components must be very precise, at tolerances of 1/1000mm, to ensure compatibility with the other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure a good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, is necessary.

## 3. Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR(VCP), and the environment in which the VCR(VCP) is used.
But, in general home use, a good picture will be maintained if inspection and maintenance is made every 1,000 hours. The table below shows the relation between time used and inspection period.

**Table 1**

| When inspection is necessary / Average hours used per day | About 1 year | About 18 months | About 3 years |
|---|---|---|---|
| One hour | ■ | ■ | ■ |
| Two hours | ■ | ■ | |
| Three hours | ■ | | |

## 4. Supplies Required for Inspection and Maintence

(1) Grease : Kanto G-311G (Blue) or equivalent
(2) Isopropyl Alcohol or equivalent
(3) Cleaning Patches
(4) Grease : Kanto G-381(Yellow)

## 5. Maintenance Procedure

### 5-1) Cleaning

(1) Cleaning video head
First use a cleaning tape. If the dirt on the head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with Isopropyl Alcohol. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.
(Do not move the cleaning patch vertically. Make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)
Thoroughly dry the head. Then run the test tape. If Isopropyl Alcohol remains on the video head, the tape may be damaged when it comes into contact with the head surface.
(2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with Isopropyl Alcohol.

**NOTES:**

① It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which moves the tape.
② Make sure that during cleaning you do not touch the tape transport system with excessive force that would cause deformation or damage to the system.

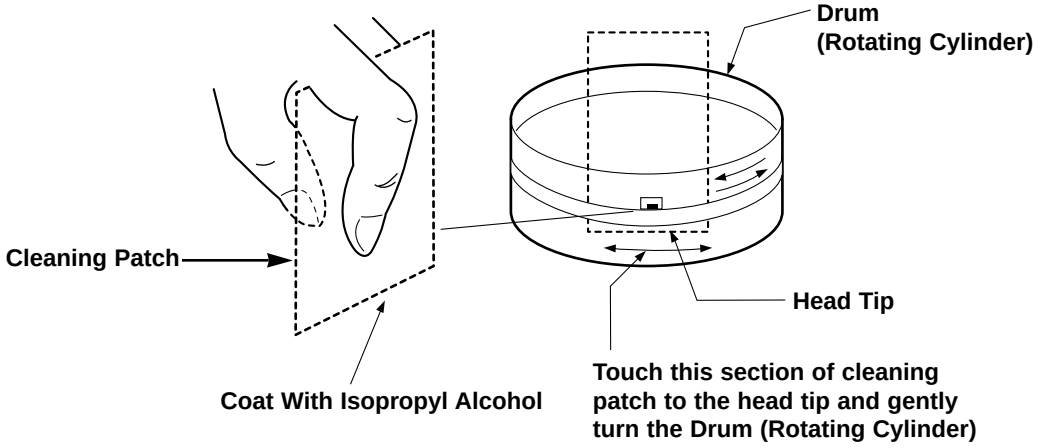


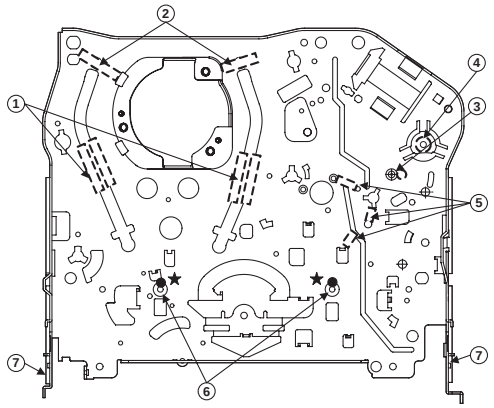

**Fig. C-9-4**

### 5-2) Greasing

(1) Greasing guidelines
Apply grease, with a cleaning patch. Do not use excessive grease. It may come into contact with the tape transport or drive system. Wipe excessive grease and clean with cleaning patch wetted in Isopropyl Alcohol.

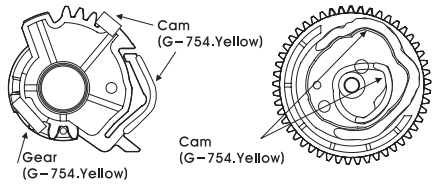
**NOTE:Greasing Points**

1) Loading Path Inside & Top side
2) Base Assembly P2, P3 stopper
3) Shaft
4) L/D Motor Gear Wheel Part
5) Arm Take-up Rubbing Sections
6)Reel S,T shaft(G381:Yellow)
7) Arm Assembly F/L Rotating Sections

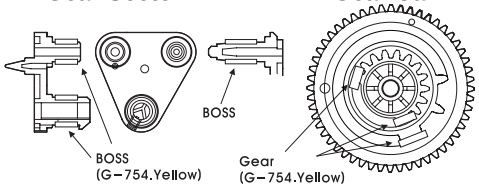


**Chassis (Top)**

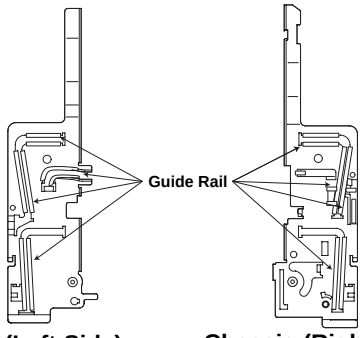
Gear Part




**Gear Sector** **Gear Cam**



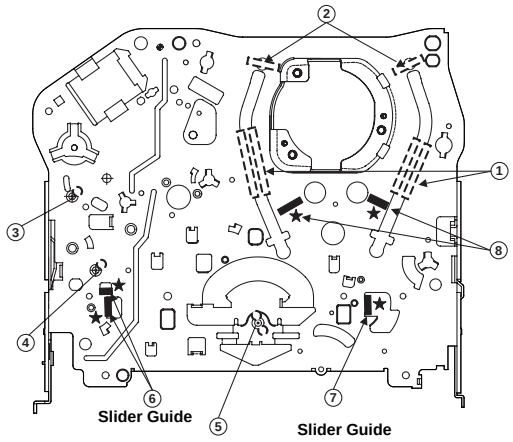

**Base Loading** **Gear Drive**



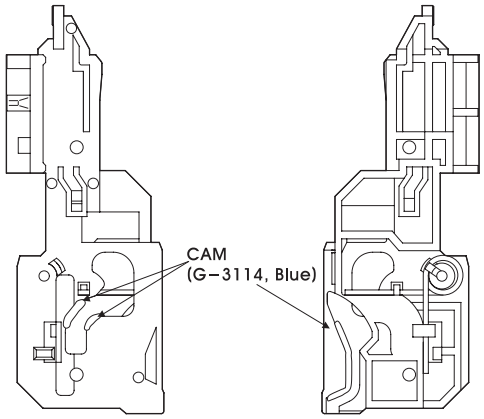

**Chassis (Left Side)** **Chassis (Right Side)**

(2) Periodic greasing
Grease specified locations every 5,000 hours.

1) Loading Path Inside & Top side
2) Base Assembly P2,P3 stopper
3) Shaft
4) Shaft
5) Clutch Assembly D35 Shaft
6) Plate Slider Guide Sections
7) Plate Slider Guide Sections
8) Gear Assembly P2, P2 Rubbing Sections




**Chassis (Bottom)**




**Gear Rack F/L**

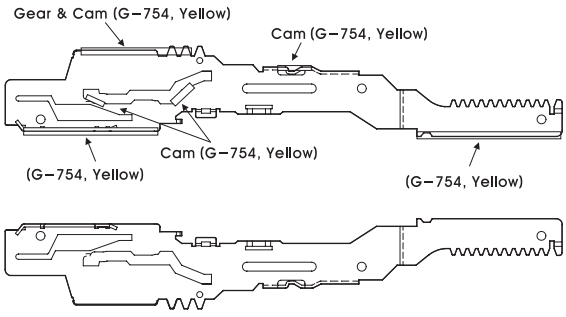
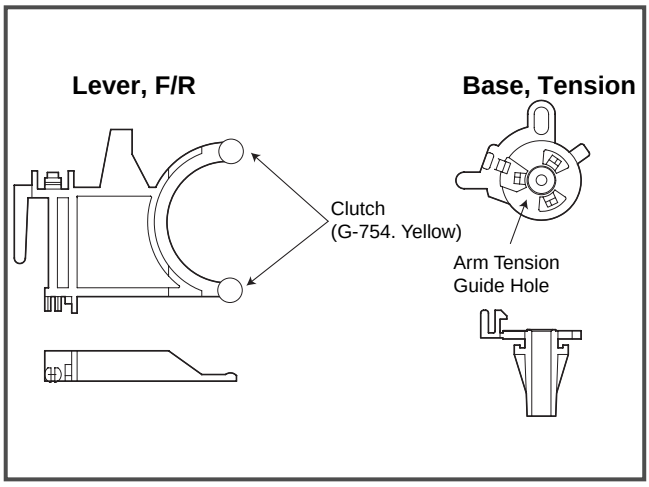
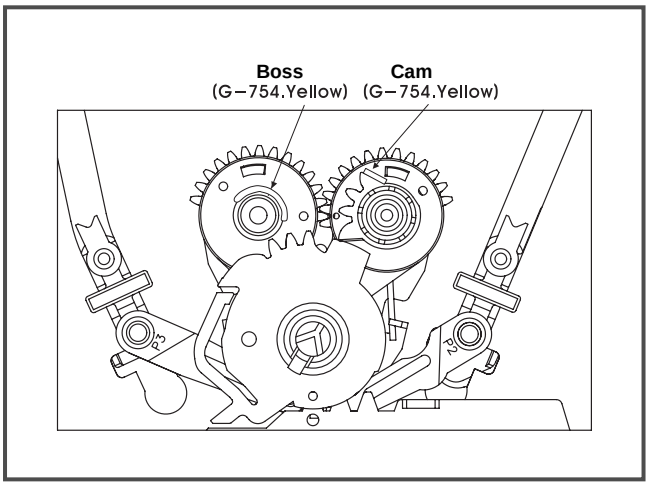



**Plate Slider**

**Lever, F/R, Base, Tension**



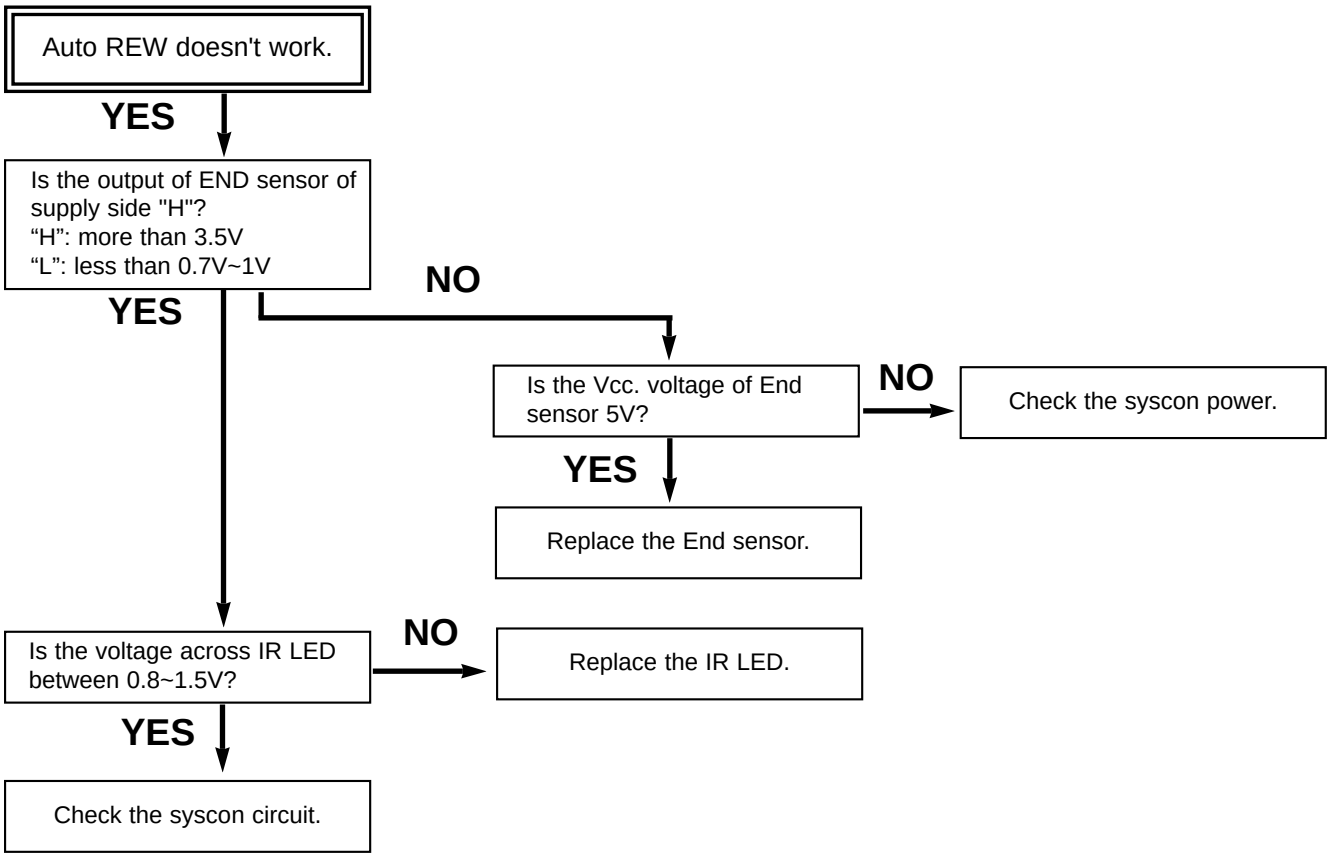

**GEAR AY, P2 & P3**



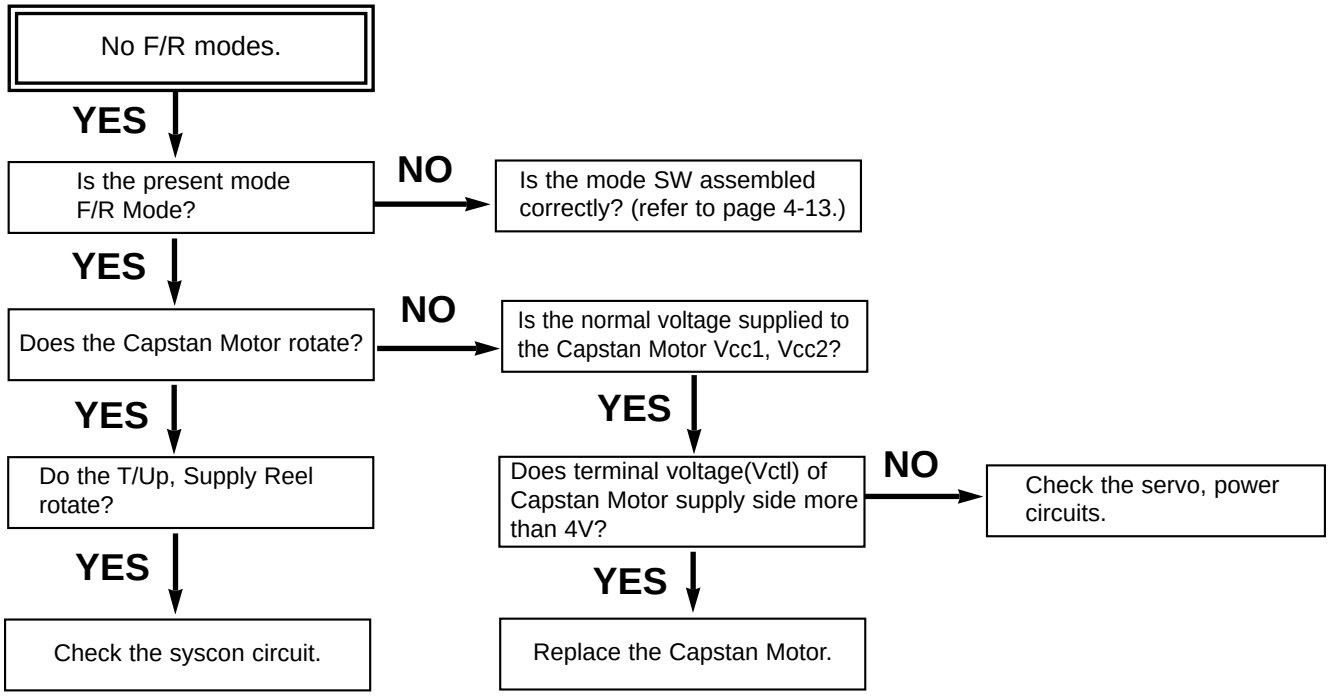
# MECHANISM TROUBLESHOOTING GUIDE

## 1.Deck Mechanism

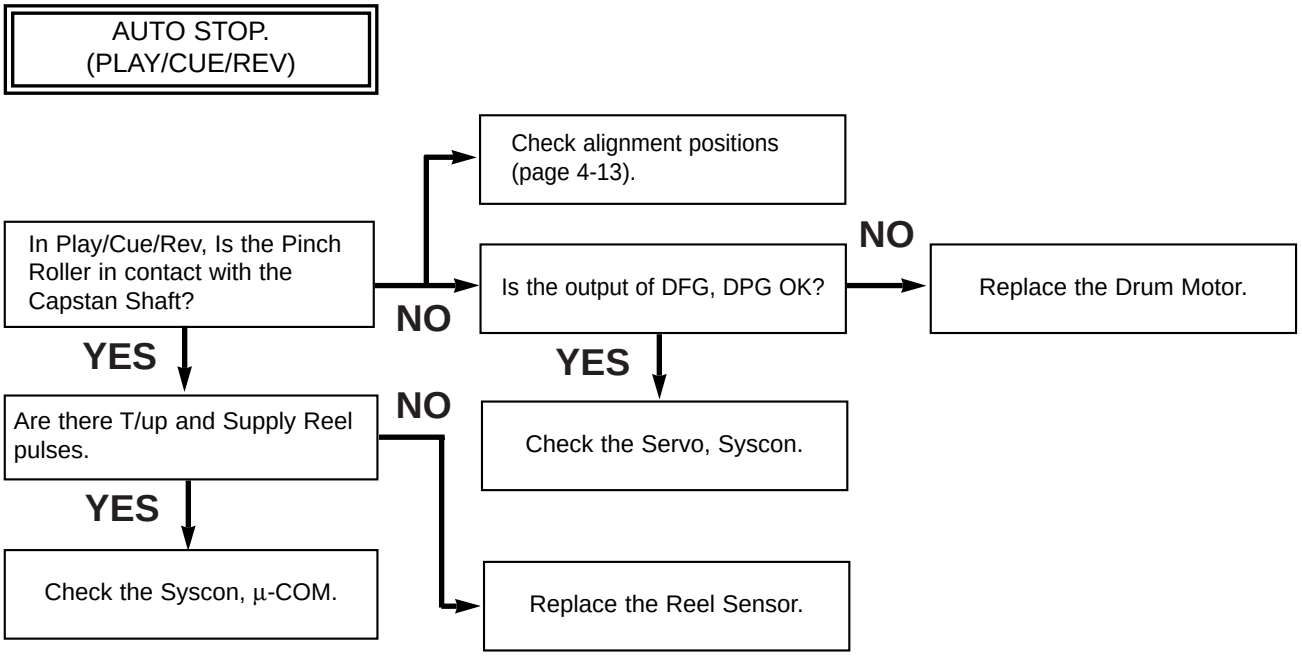
**A.**



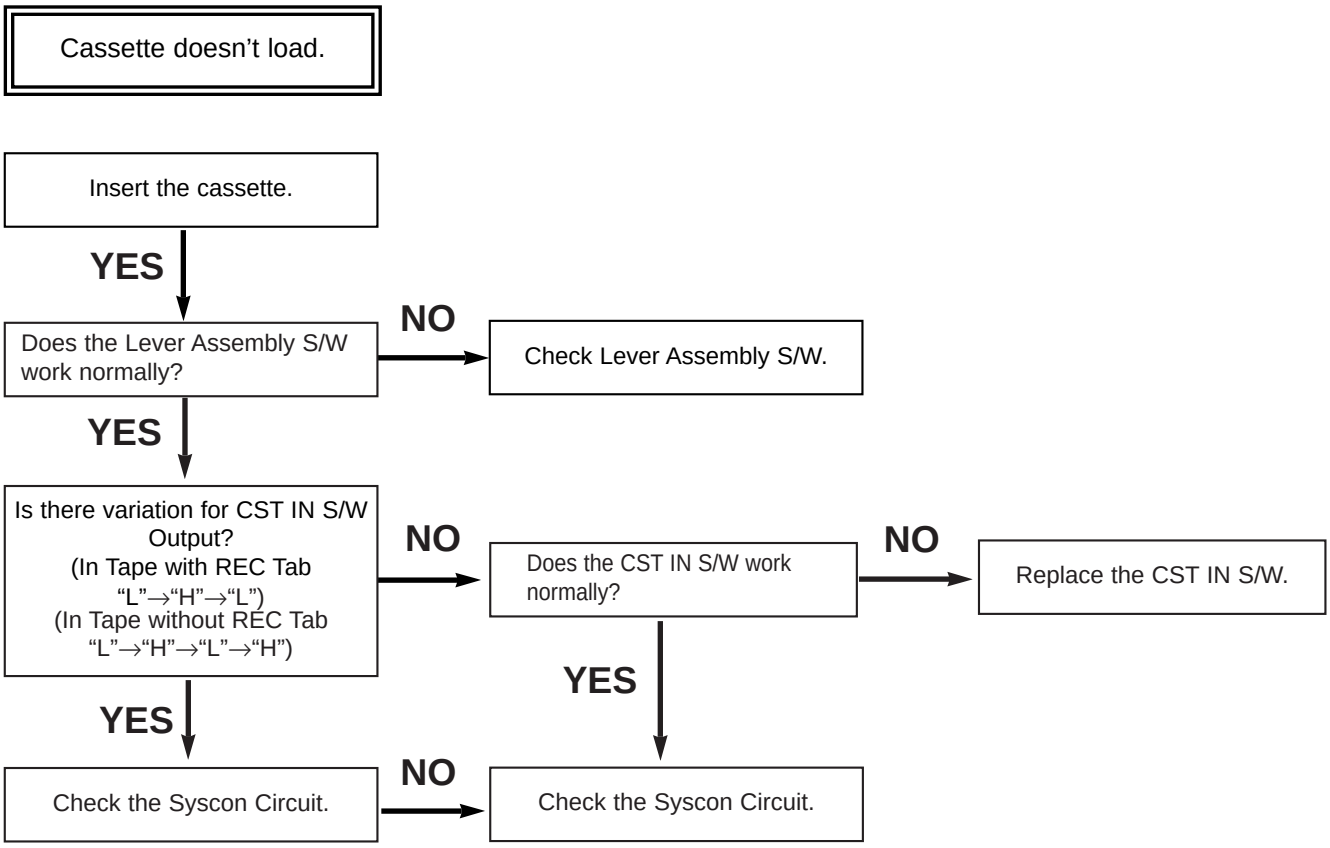

**B.**



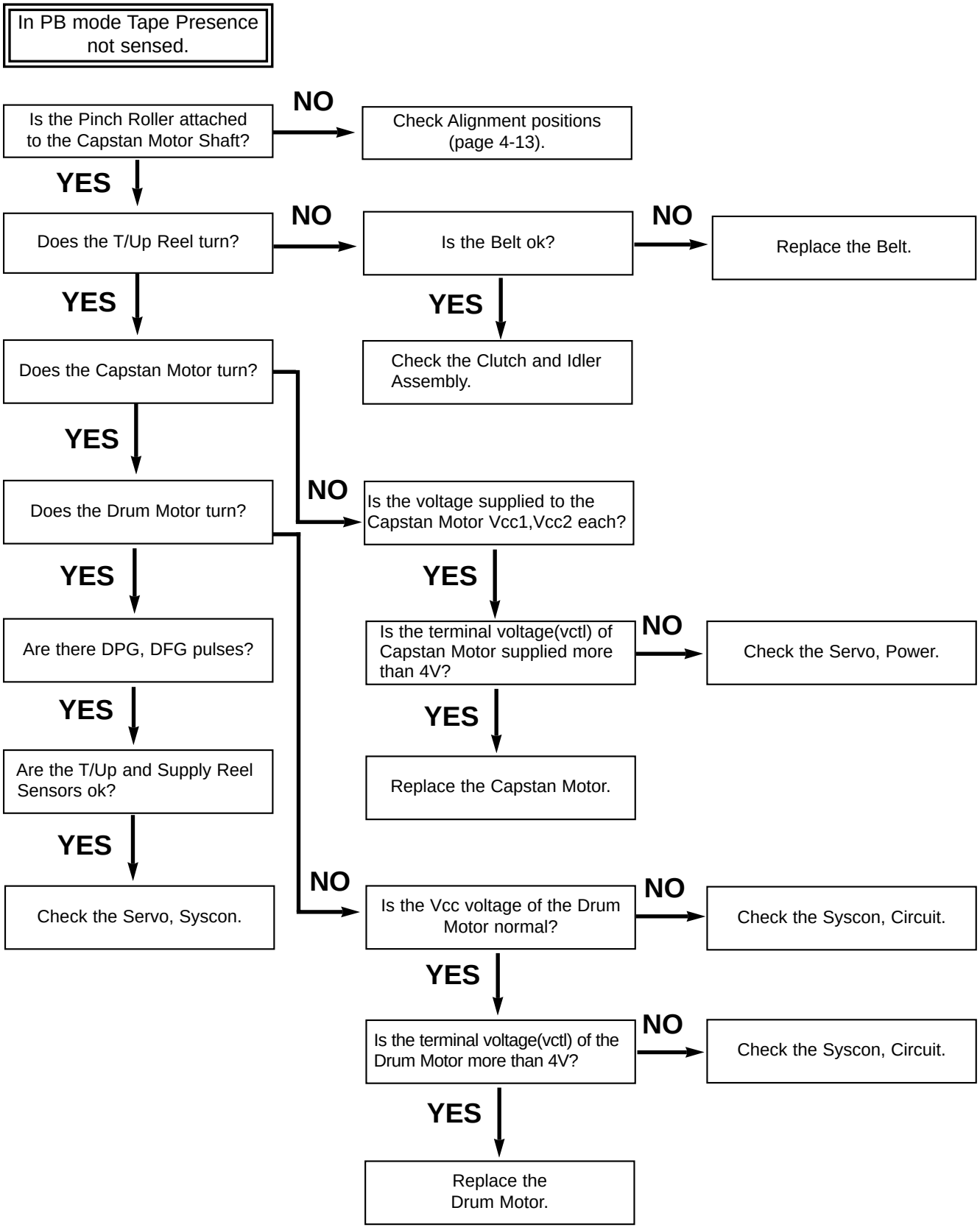
**C.**


AUTO STOP.
(PLAY/CUE/REV)
In Play/Cue/Rev, Is the Pinch Roller in contact with the Capstan Shaft?
Check alignment positions (page 4-13).
NO
Is the output of DFG, DPG OK?
NO
Replace the Drum Motor.
YES
YES
Are there T/up and Supply Reel pulses.
NO
Check the Servo, Syscon.
YES
Check the Syscon, μ-COM.
Replace the Reel Sensor.

**D.**

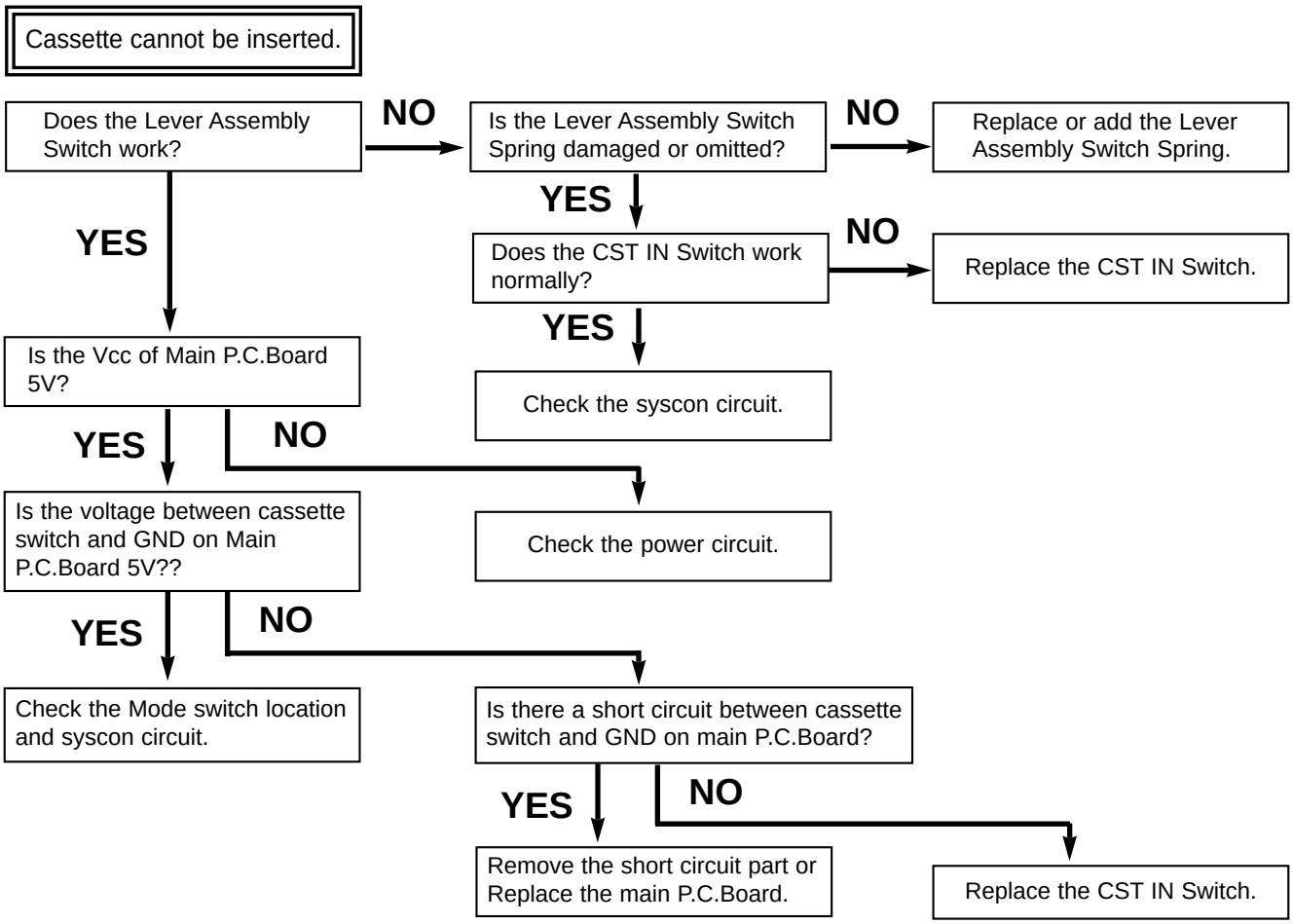

Cassette doesn't load.
Insert the cassette.
YES
Does the Lever Assembly S/W work normally?
NO
Check Lever Assembly S/W.
YES
Is there variation for CST IN S/W Output?
(In Tape with REC Tab
"L"→"H"→"L")
(In Tape without REC Tab
"L"→"H"→"L"→"H")
NO
Does the CST IN S/W work normally?
NO
Replace the CST IN S/W.
YES
YES
Check the Syscon Circuit.
NO
Check the Syscon Circuit.

**E.**

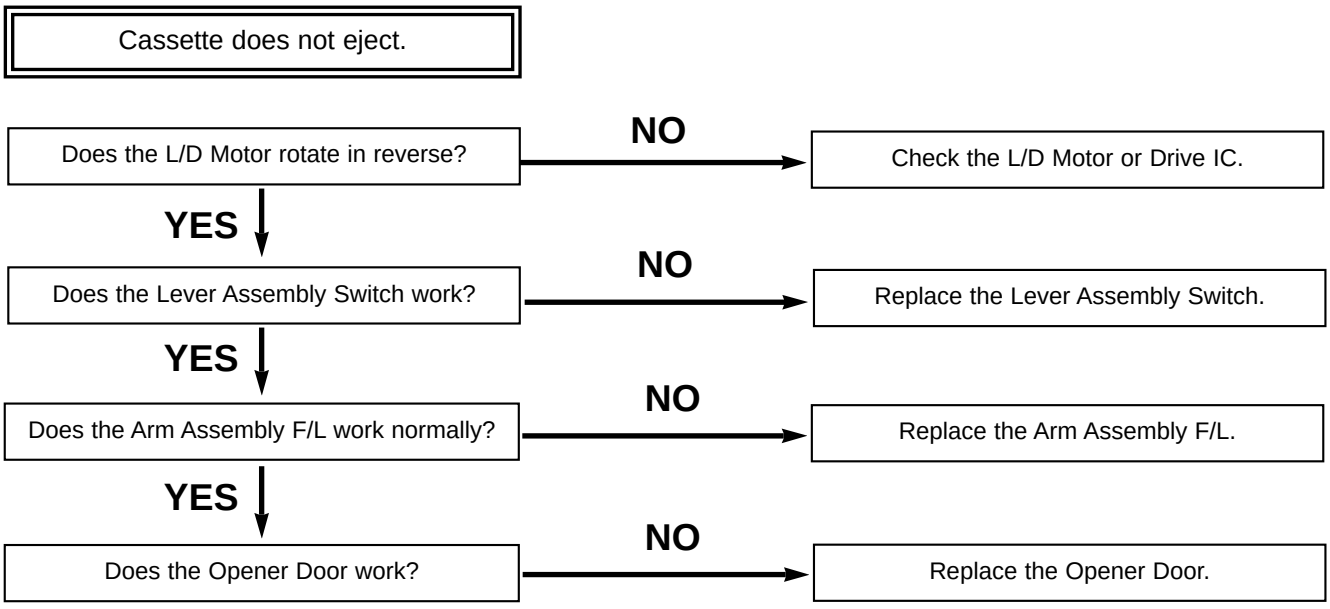

In PB mode Tape Presence not sensed.
Is the Pinch Roller attached to the Capstan Motor Shaft?
NO
Check Alignment positions (page 4-13).
YES
Does the T/Up Reel turn?
NO
Is the Belt ok?
NO
Replace the Belt.
YES
YES
Check the Clutch and Idler Assembly.
Does the Capstan Motor turn?
YES
Does the Drum Motor turn?
NO
Is the voltage supplied to the Capstan Motor Vcc1,Vcc2 each?
YES
YES
Is the terminal voltage(vctl) of Capstan Motor supplied more than 4V?
NO
Check the Servo, Power.
YES
Replace the Capstan Motor.
Are there DPG, DFG pulses?
YES
Are the T/Up and Supply Reel Sensors ok?
YES
Check the Servo, Syscon.
NO
Is the Vcc voltage of the Drum Motor normal?
NO
Check the Syscon, Circuit.
YES
Is the terminal voltage(vctl) of the Drum Motor more than 4V?
NO
Check the Syscon, Circuit.
YES
Replace the Drum Motor.

## 2. Front Loading Mechanism

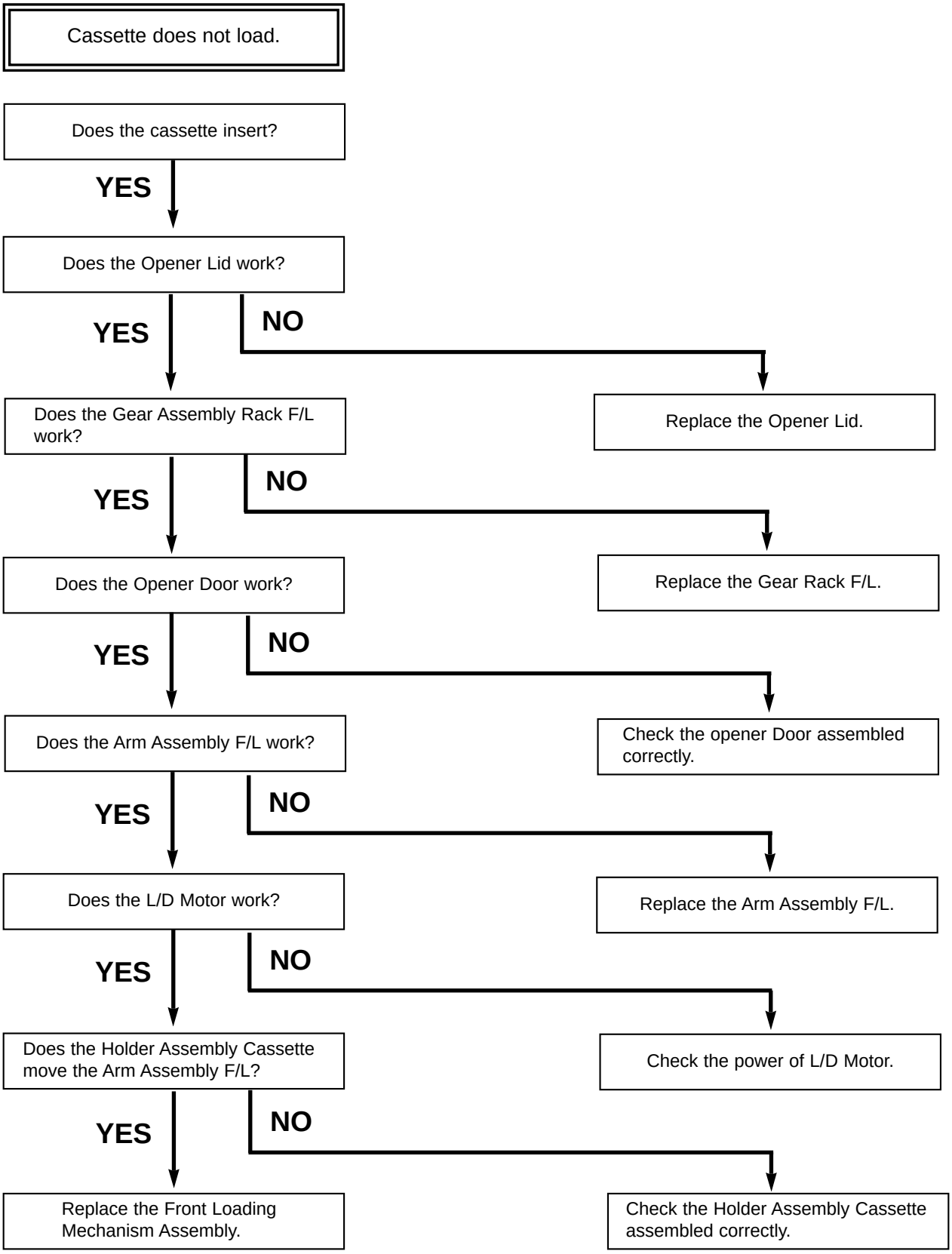
### A.




### B.

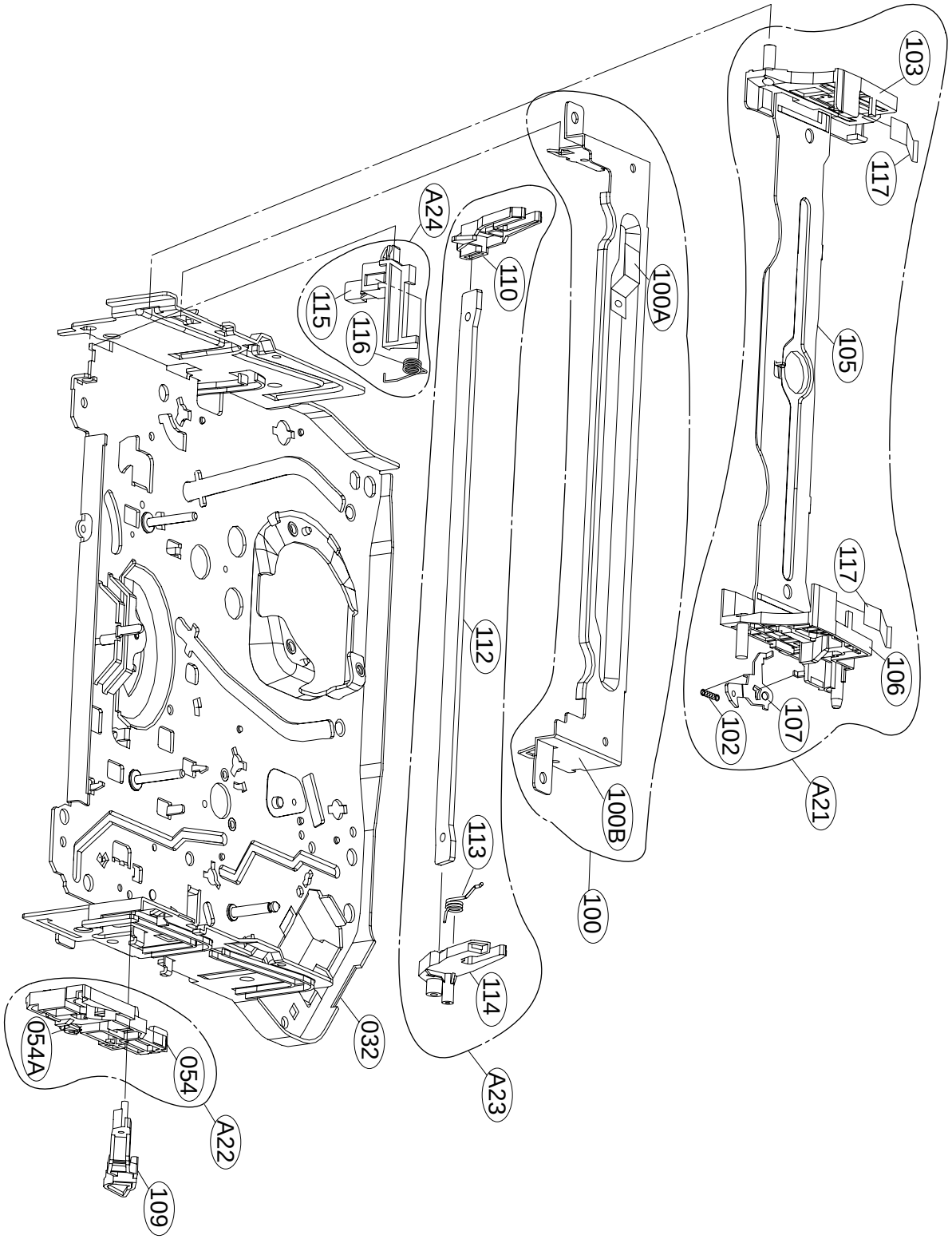


**C.**


Cassette does not load.
Does the cassette insert?
YES
Does the Opener Lid work?
YES
NO
Replace the Opener Lid.
Does the Gear Assembly Rack F/L work?
YES
NO
Replace the Gear Rack F/L.
Does the Opener Door work?
YES
NO
Check the opener Door assembled correctly.
Does the Arm Assembly F/L work?
YES
NO
Replace the Arm Assembly F/L.
Does the L/D Motor work?
YES
NO
Check the power of L/D Motor.
Does the Holder Assembly Cassette move the Arm Assembly F/L?
YES
NO
Check the Holder Assembly Cassette assembled correctly.
Replace the Front Loading Mechanism Assembly.

# EXPLODED VIEWS

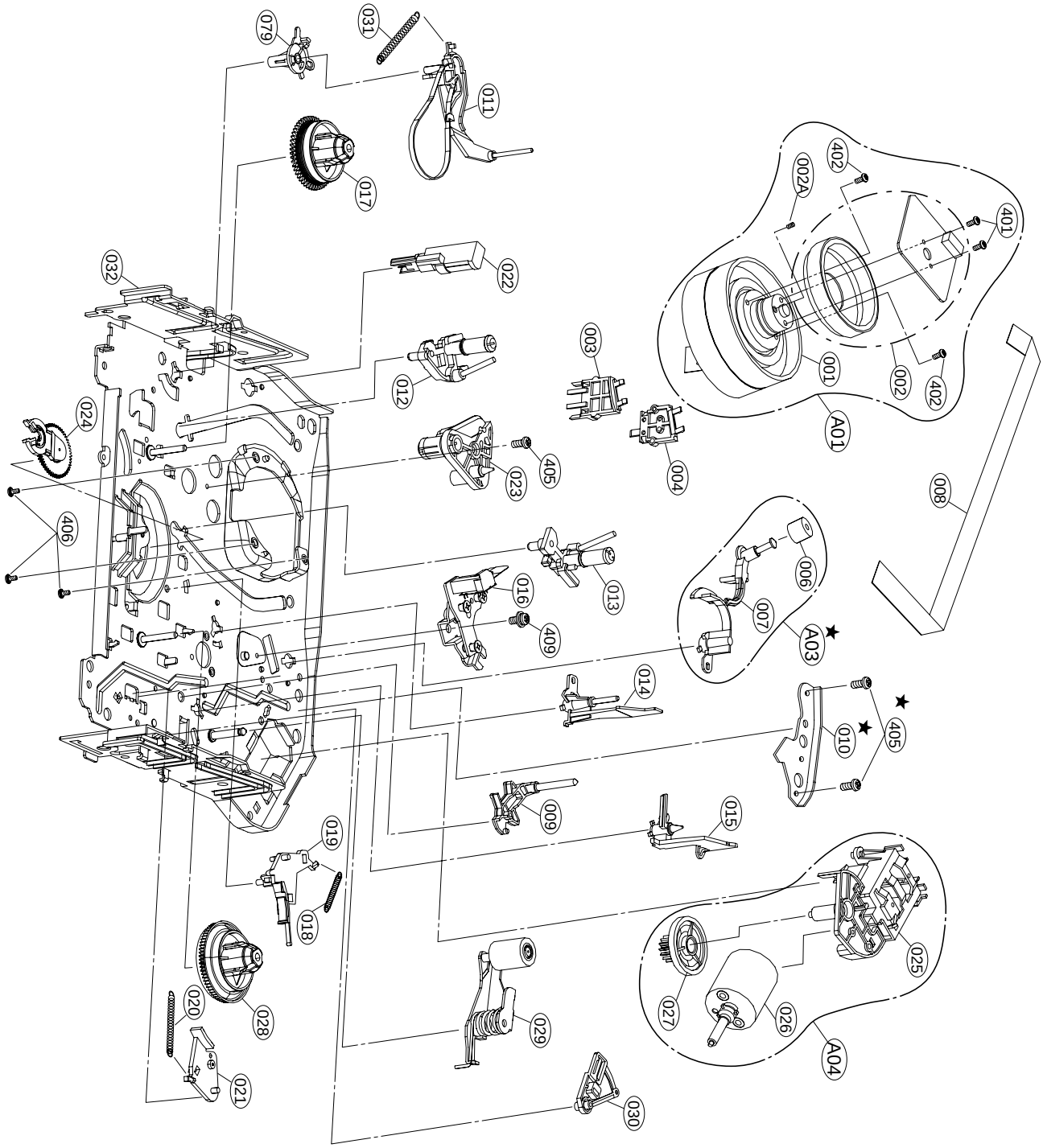
## 1. Front Loading Mechanism Section



# EXPLODED VIEWS

## 2. Moving Mechanism Section(1)

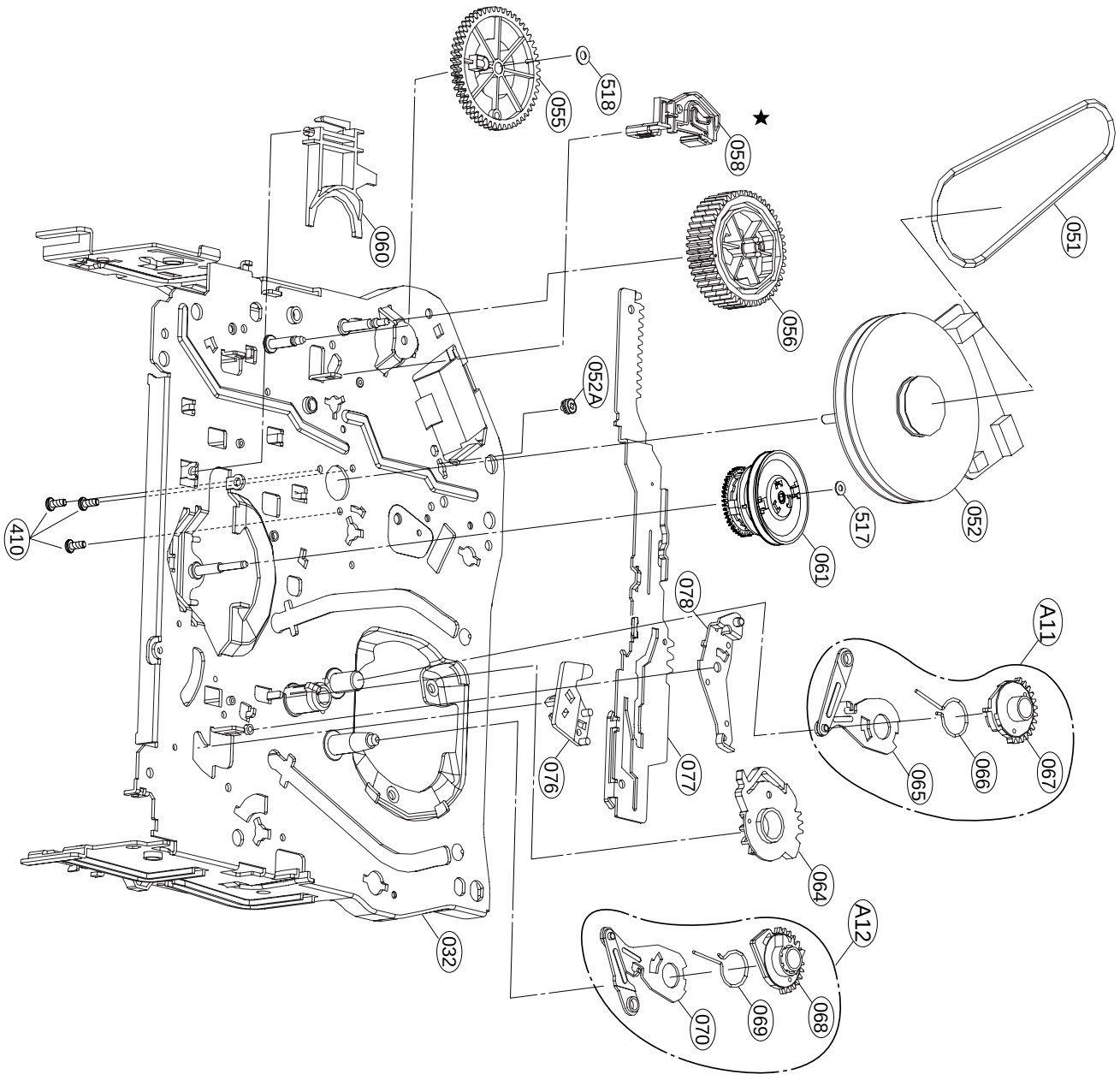
★ OPTIONAL PART



# EXPLODED VIEWS

## 3. Moving Mechanism Section(2)

★ OPTIONAL PART

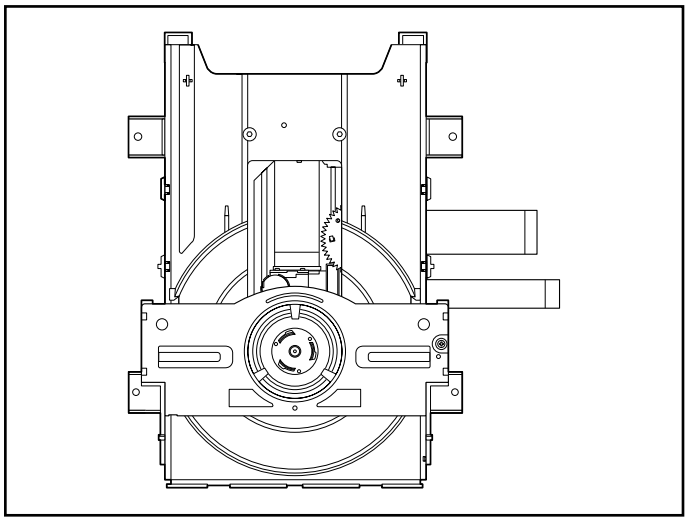


# SECTION 5 MECHANISM OF DVD PART

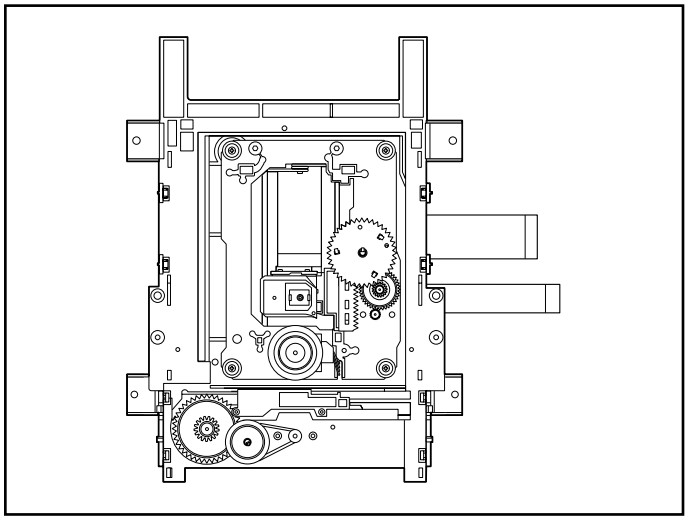
## CONTENTS

# DECK MECHANISM PARTS LOCATION

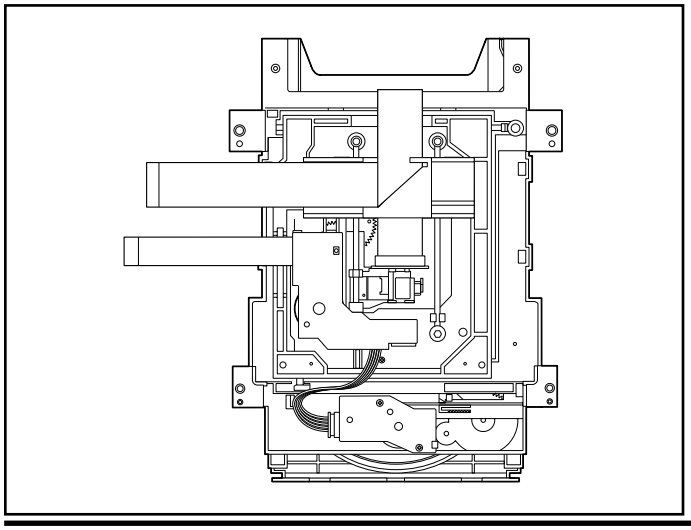
## • Top View (With Tray)



## • Top View (Without Tray)



## • Bottom View



| Procedure Starting No. | | Parts | Fixing Type | Disassembly | Figure |
|---|---|---|---|---|---|
| | 1 | Holder<br>Clamp | 2 Screws,<br>2 Locking Tabs | | 5-1 |
| 1 | 2 | Clamp Assembly<br>Disc | | | 5-1 |
| 1, 2 | 3 | Plate Clamp | | | 5-1 |
| 1, 2, 3 | 4 | Magnet Clamp | | | 5-1 |
| 1, 2, 3, 4 | 5 | Clamp Upper | | | 5-1 |
| 1 | 6 | Tray Disc | | | 5-2 |
| 1, 6 | 7 | Base Assembly Sled | | | 5-3 |
| 1, 2, 6 | 8 | Gear Assembly<br>Feed | 4 Screws,<br>1 Connector<br>1 Locking Tabs | | 5-3 |
| 1, 2, 6, 8 | 9 | Gear<br>Middle | | | 5-3 |
| 1, 2, 6, 8, 9 | 10 | Gear Assembly<br>Rack | 1 Screw | | 5-3 |
| 1, 2, 7 | 11 | Rubber Rear | | | 5-3 |
| 1, 2, 7 | 12 | Frame Assembly<br>Up/Down | 1 Screw | Bottom | 5-4 |
| 1, 2 | 13 | Belt Loading | 1 Locking Tab | | 5-4 |
| 1, 2 ,13 | 14 | Gear Pulley | | | 5-4 |
| 1, 2, 13, 14 | 15 | Gear Loading | 1 Locking Tab | | 5-4 |
| 1, 2, 7, 12, 13, 14 | 16 | Guide Up/Down | | | 5-4 |
| 1, 2, 13 | 17 | PWB Assembly<br>Loading | 1 Locking Tab<br>1 Hook<br>2Screw | Bottom | 5-4 |
| 1, 2, 7, 12, 13, 14, 15, 16, 17 | 18 | Base Main | 2 Locking Tabs | | 5-4 |

**Note**

When reassembling, perform the procedure in reverse order.

The “Bottom” on Disassembly column of above Table indicates the part should be disassembled at the Bottom side.

# DECK MECHANISM DISASSEMBLY

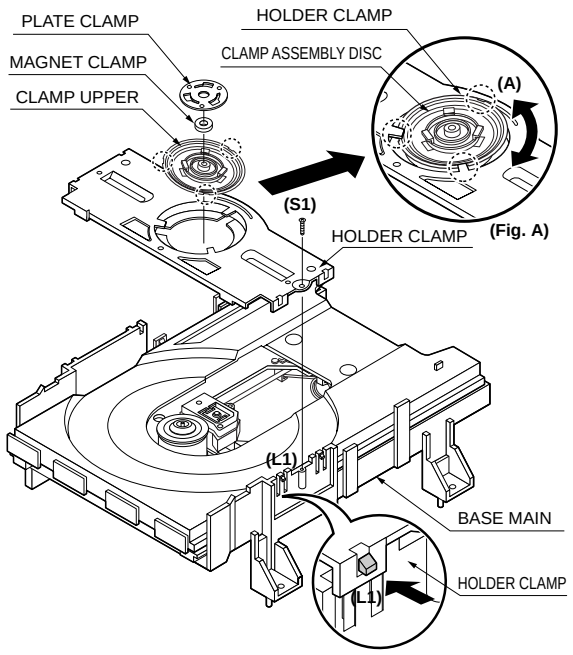
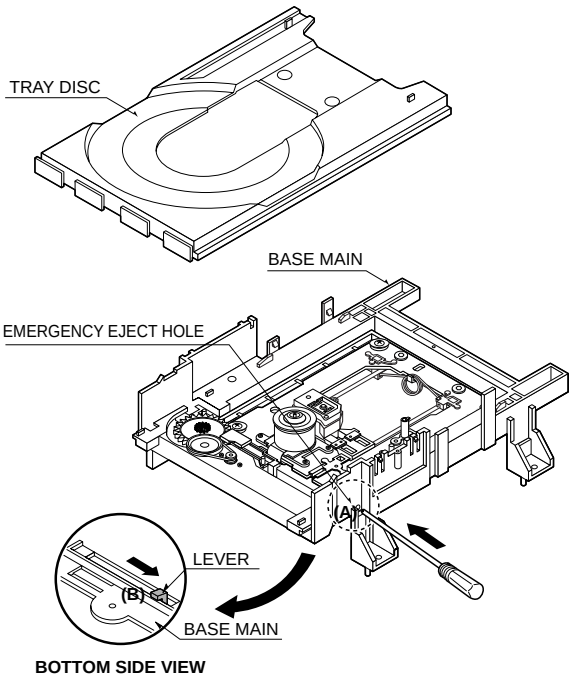



Fig. 5-1 F




ig. 5-2

## 1. Holder Clamp (Fig. 5-1)

1) Release 1 Screws(S1).
2) Unhook 2 Locking Tabs(L1).
3) Lift up the Holder Clamp and then separate it from the Base Main.

### 1-1. Clamp Assembly Disc

1) Place the Clamp Assembly Disc as Fig. (A)
2) Lift up the Clamp Assembly Disc in direction of arrow(A).
3) Separate the Clamp Assembly Disc from the Holder Clamp.

**1-1-1. Plate Clamp**

1) Turn the Plate Clamp to counterclockwise direction and then lift up the Plate Clamp.

**1-1-2. Magnet Clamp**

**1-1-3. Clamp Upper**

## 2. Tray Disc (Fig. 5-2)

1) Insert and push a Driver in the emergency eject hole(A) at the right side, or put the Driver on the Lever(B) of the Gear Emergency and pull the Lever(B) in direction of arrow so that the Tray Disc is ejected about 15~20mm.
2) Pull the Tray Disc until it is separated from the Base Main completely.

# DECK MECHANISM DISASSEMBLY

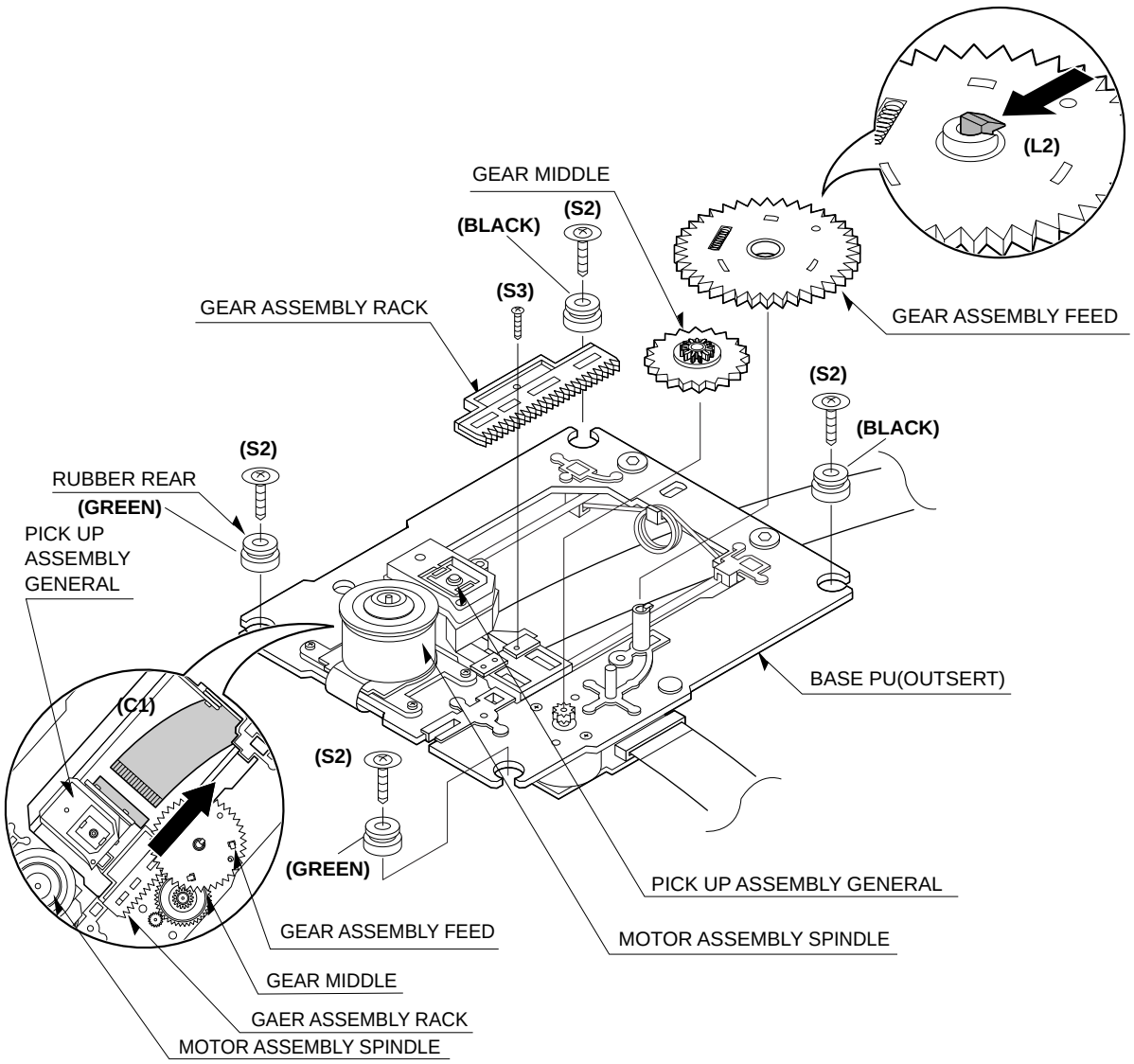



**Fig. 5-3**

## 3. Base Assembly Sled (Fig. 5-3)

1) Release 4 Screw(S2).
2) Disconnect the FFC Connector(C1)

**3-1. Gear Assembly Feed**

1) Unhook the Locking Tab(L2) in direction of arrow.

**3-2. Gear Middle**

**3-3. Gear Assembly Rack**

1) Release the Scerw(S3)

## 4. Rubber Rear (Fig. 5-3)

# DECK MECHANISM DISASSEMBLY

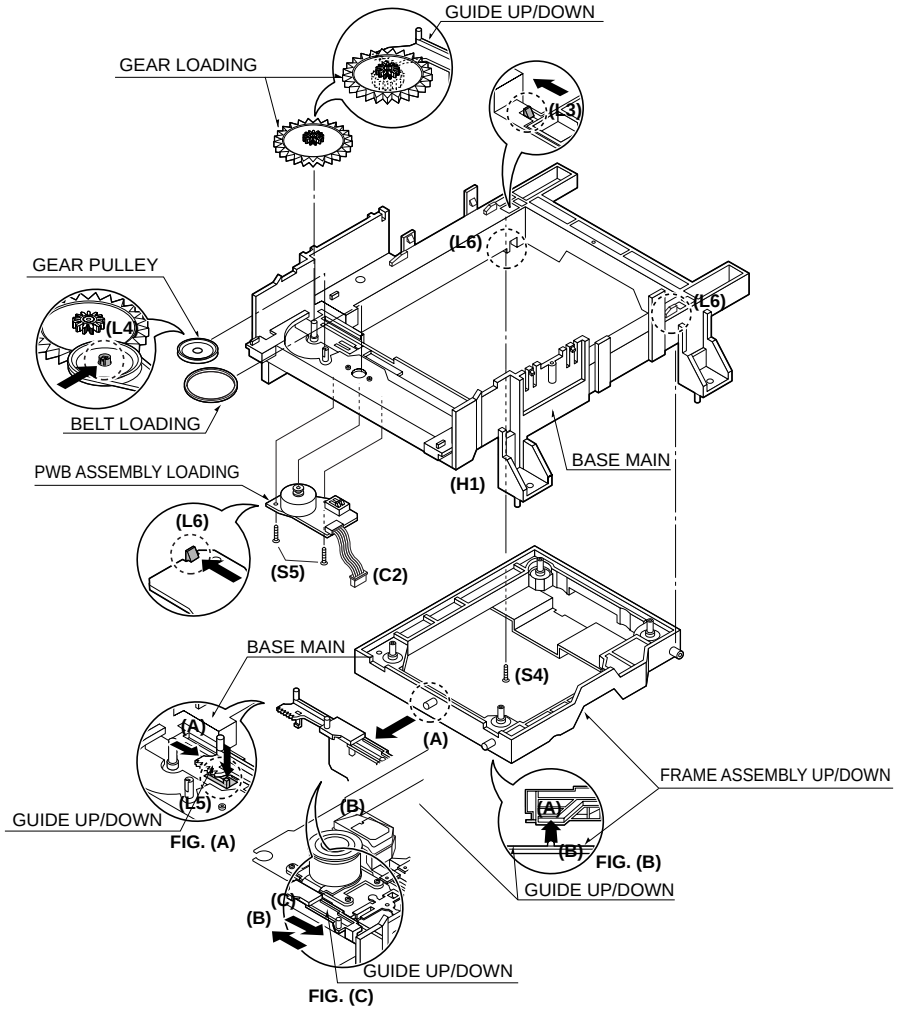



**Fig. 5-4**

## 5. Frame Assembly Up/Down (Fig. 5-4)

**Note**

Put the Base Main face down(Bottom Side)

1) Release the Screw(S4)
2) Unlock the Locking Tab(L3) in direction of arrow and then lift up the Frame Assembly Up/Down to separate it from the Base Main.

**Note**

- When reassembling move the Guide Up/Down in direction of arrow(C) until it is positioned as Fig.(C).
- When reassembling insert (A) portion of the Frame Assembly Up/Down in the (B) portion of the Guide Up/Down as Fig.(B)

## 6. Belt Loading(Fig. 5-4)

**Note**

Put the Base Main on original position(Top Side)

## 7. Gear pulley (Fig. 5-4)

1) Unlock the Locking Tab(L4) in direction of arrow(B) and then separate the Gear Pulley from the Base Main.

## 8. Gear Loading (Fig. 5-4)

## 9. Guide Up/Down (Fig. 5-4)

1) Move the Guide Up/Down in direction of arrow(A) as Fig.(A)
2) Push the Locking Tab(L5) down and then lift up the Guide Up/Down to separate it from the Base Main.

**Note**

When reassembling place the Guide Up/Down as Fig.(C) and move it in direction arrow(B) until it is locked by the Locking Tab(L5). And confirm the Guide Up/Down as Fig.(A)

## 10. PWB Assembly Loading (Fig. 5-4)

**Note**

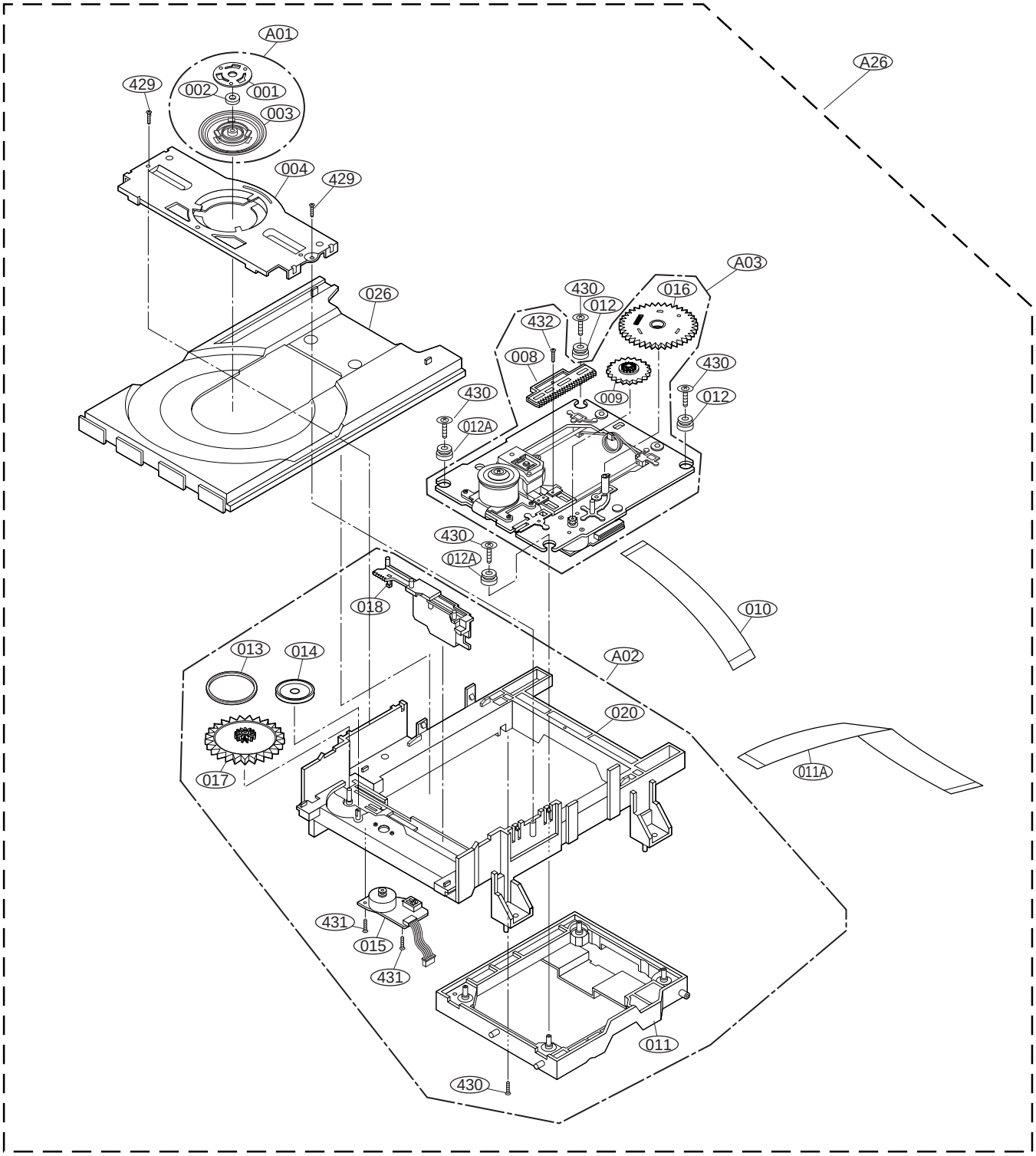
Put the Base Main face down(Bottom Side)

1) Release 2 Screws(S5)
2) Unkool the Loading Motor Connector (C2) from the Hook (H1) on the Base Main.
3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

## 11. Base Main(Fig. 5-4)

# EXPLODED VIEWS

## 1. Deck Mechanism Exploded View



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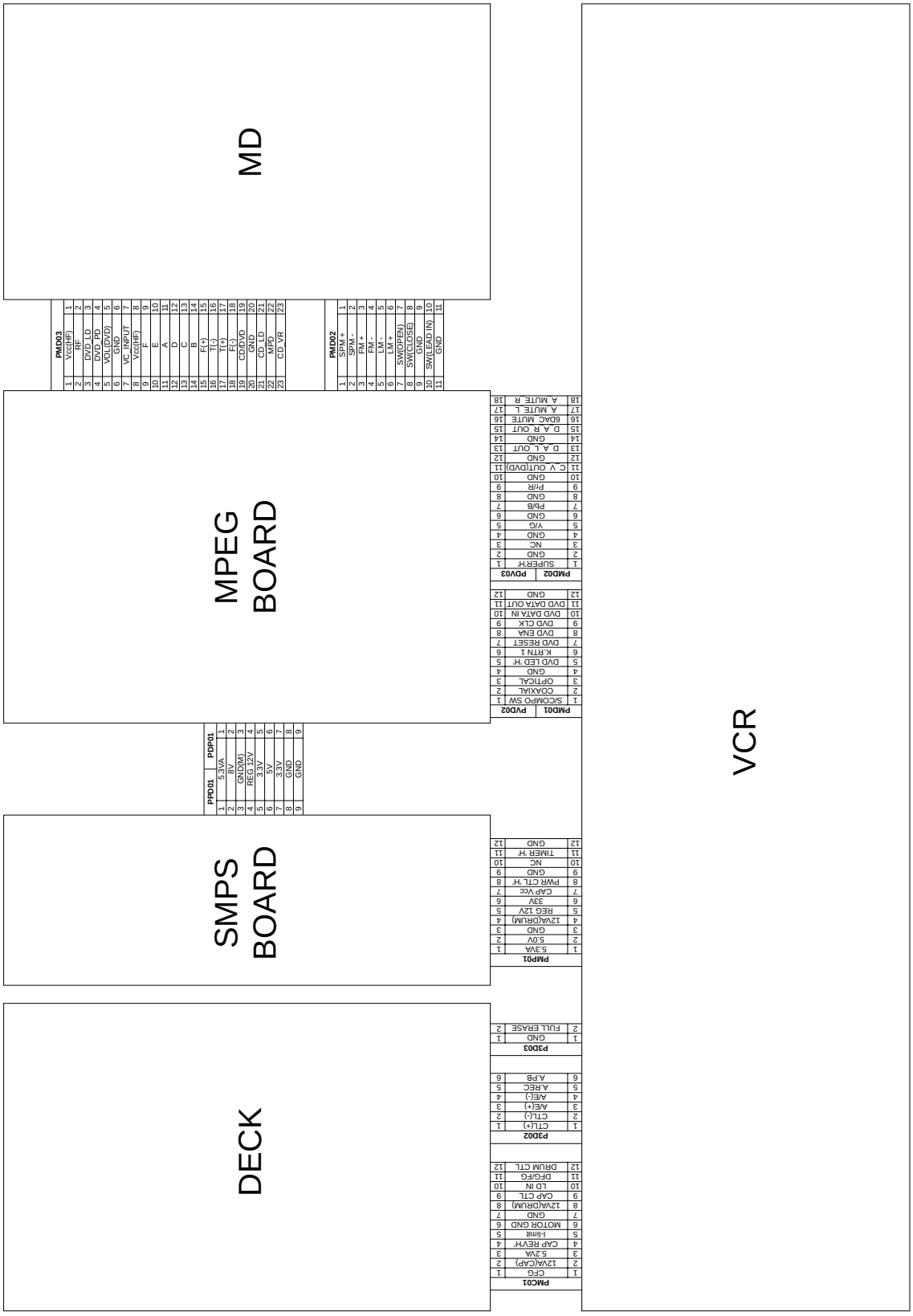
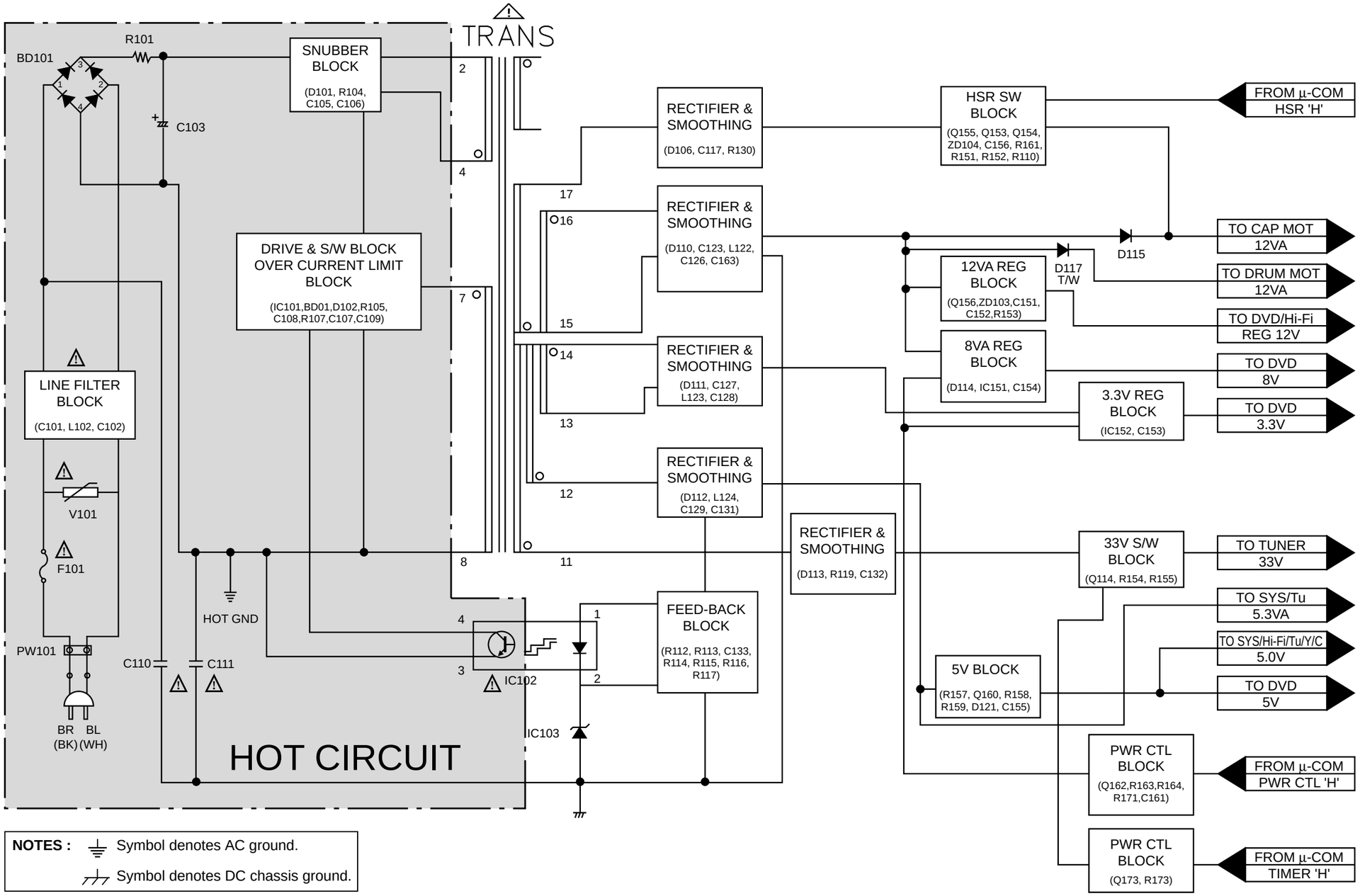
0306 VP

# OVERALL WIRING DIAGRAM



# BLOCK DIAGRAMS

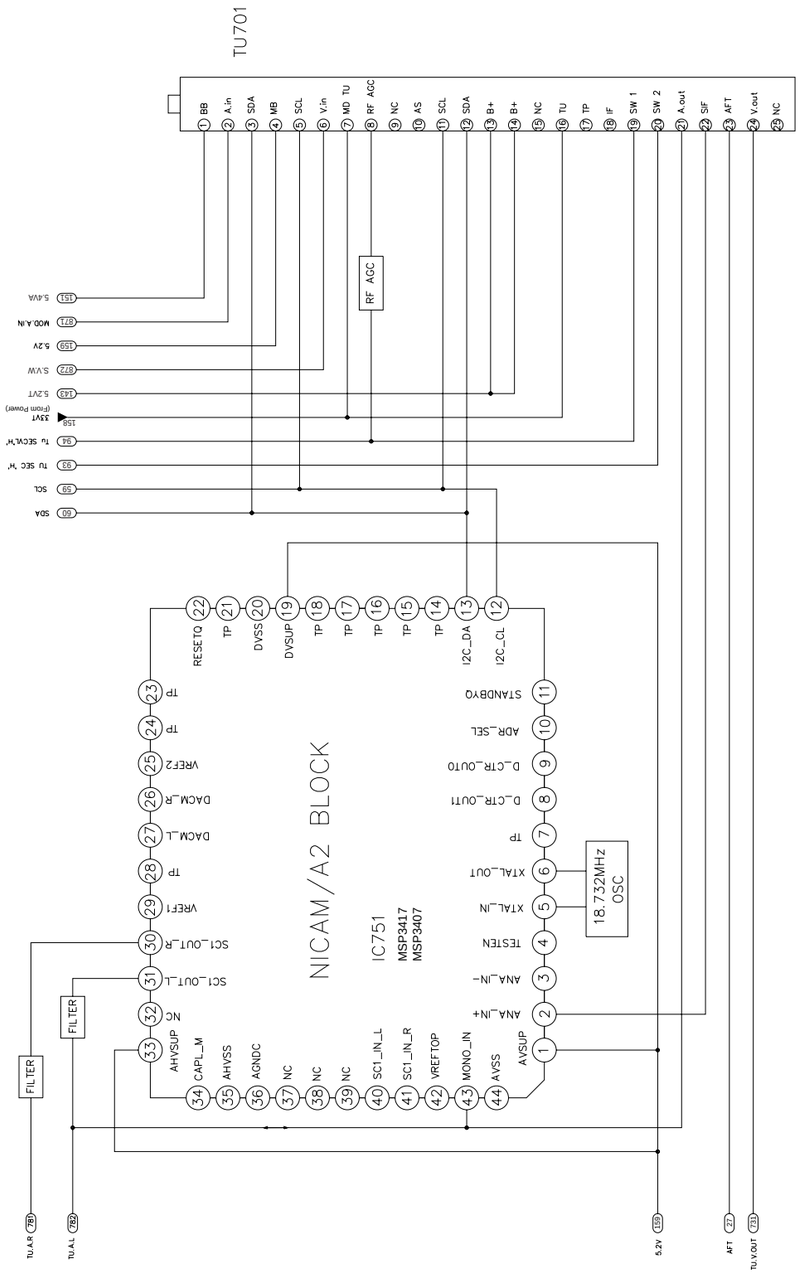
## 1. POWER(SMPS) BLOCK DIAGRAM




**NOTES :** ⏚ Symbol denotes AC ground.

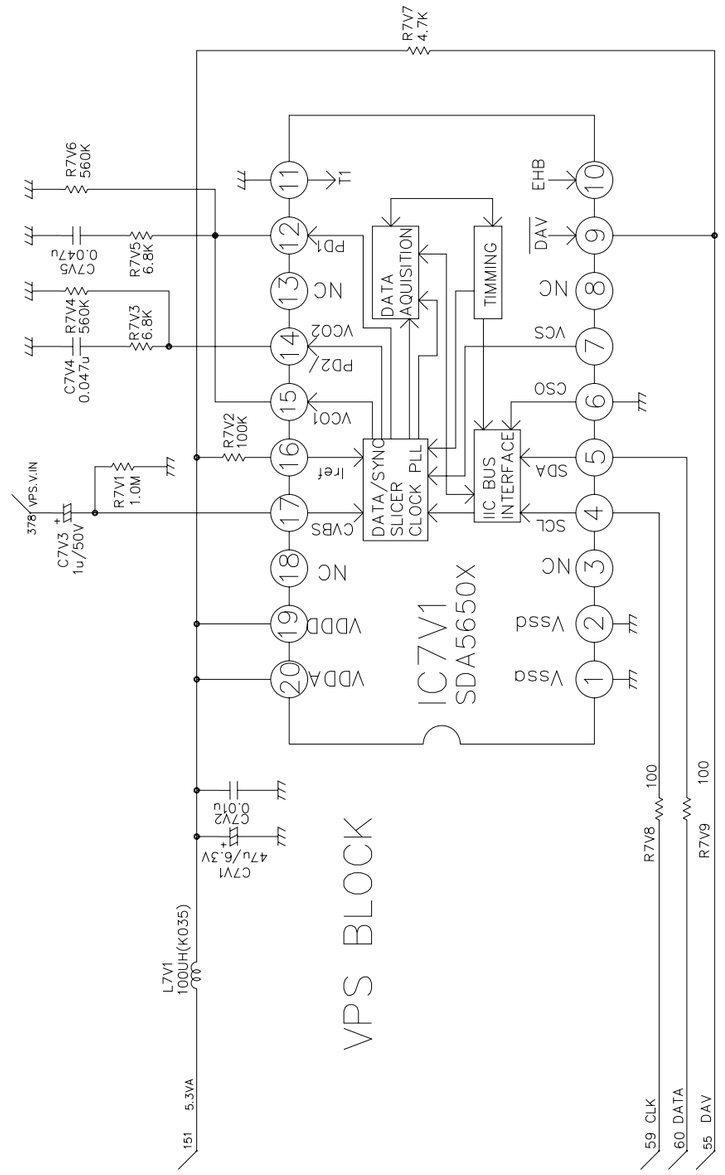
⏚ Symbol denotes DC chassis ground.

## 2. Tu/IF, NICAM & A2 BLOCK DIAGRAM



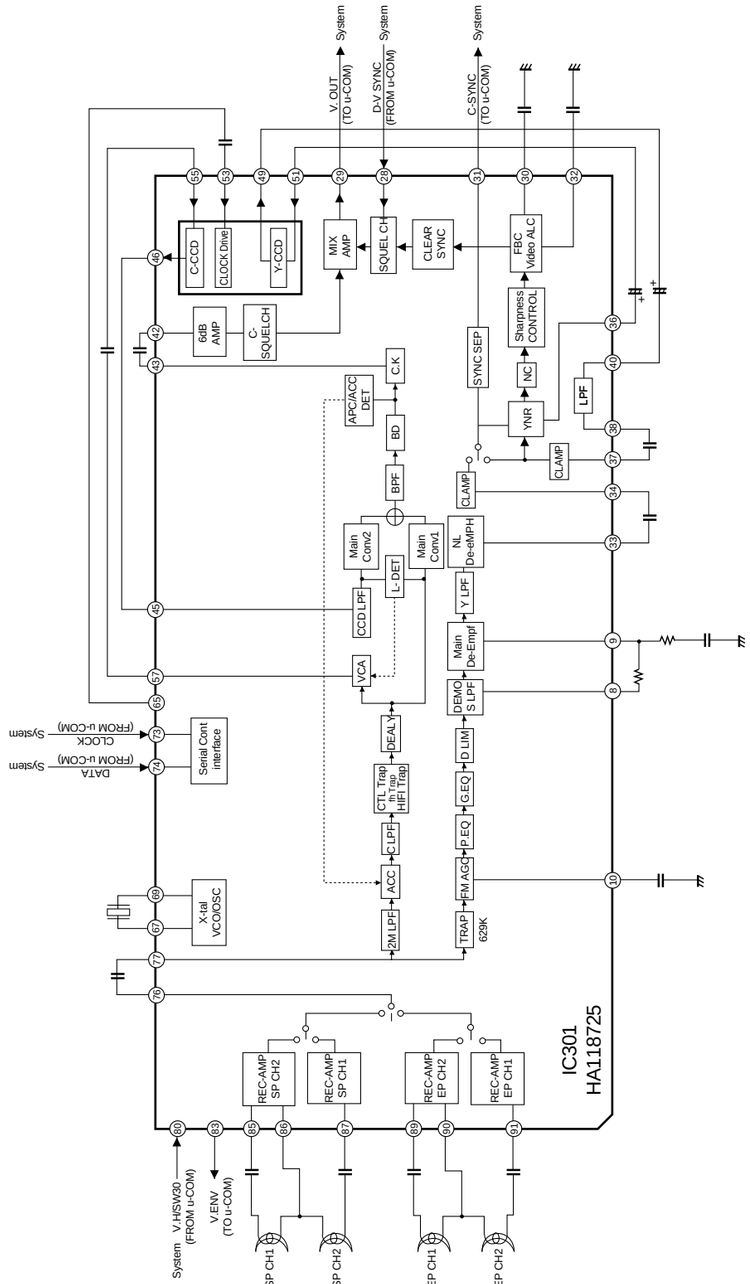



## 3. VPS BLOCK DIAGRAM

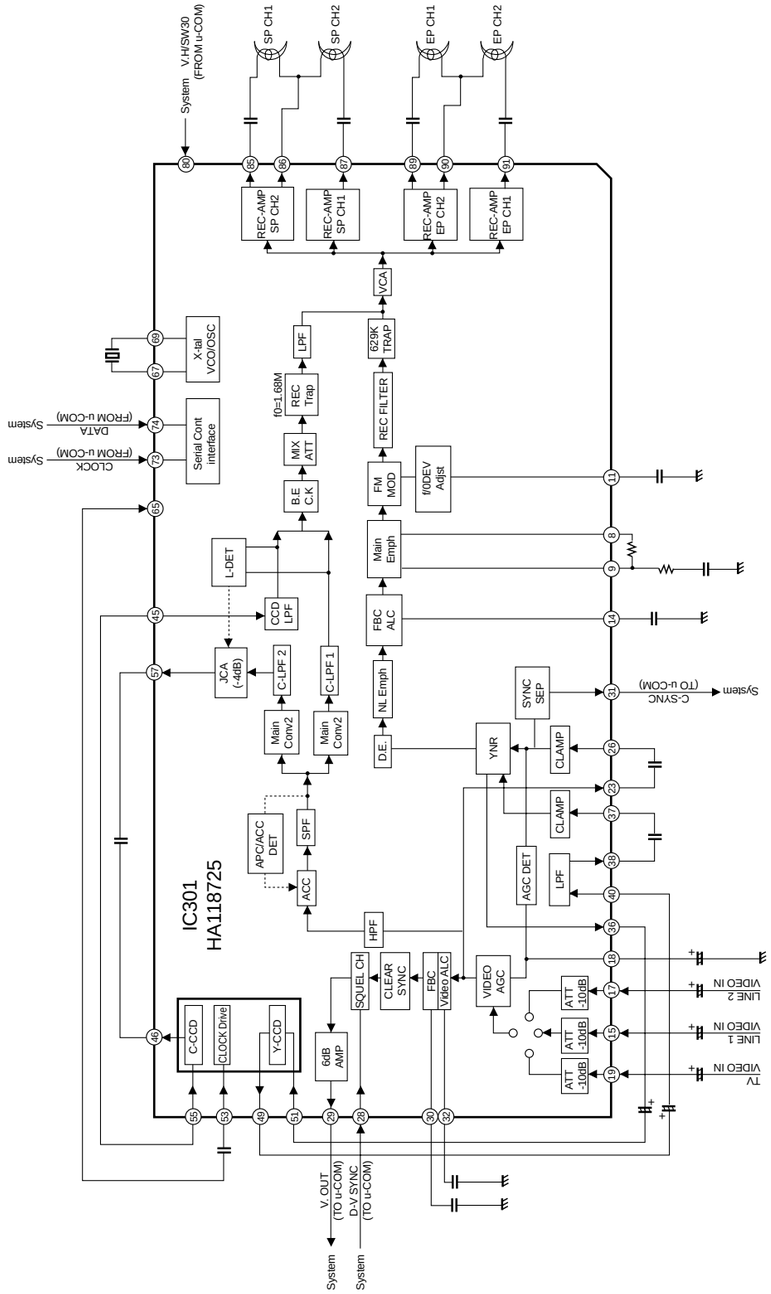


# 4. Y/C BLOCK DIAGRAM

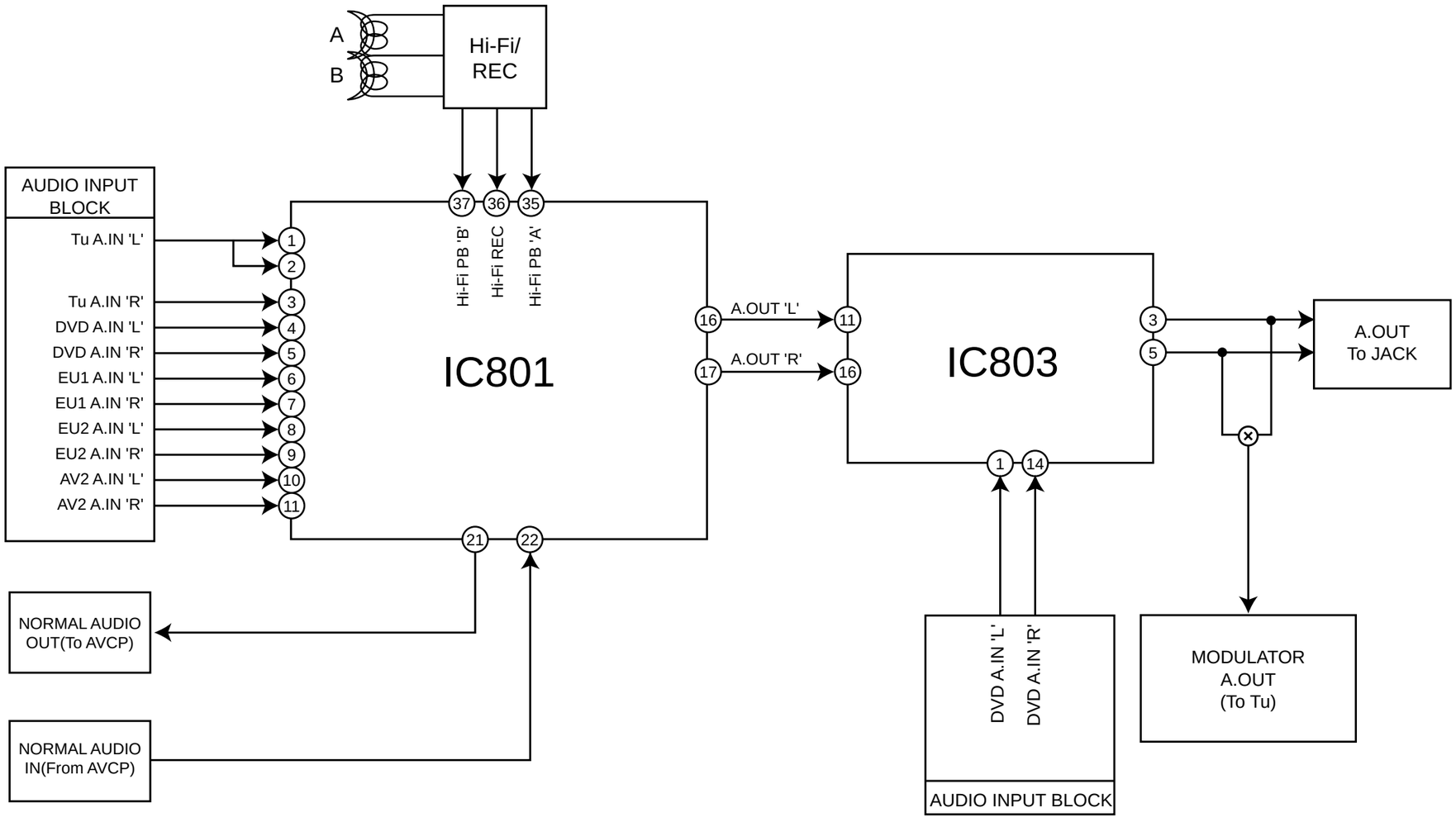
(PB MODE)



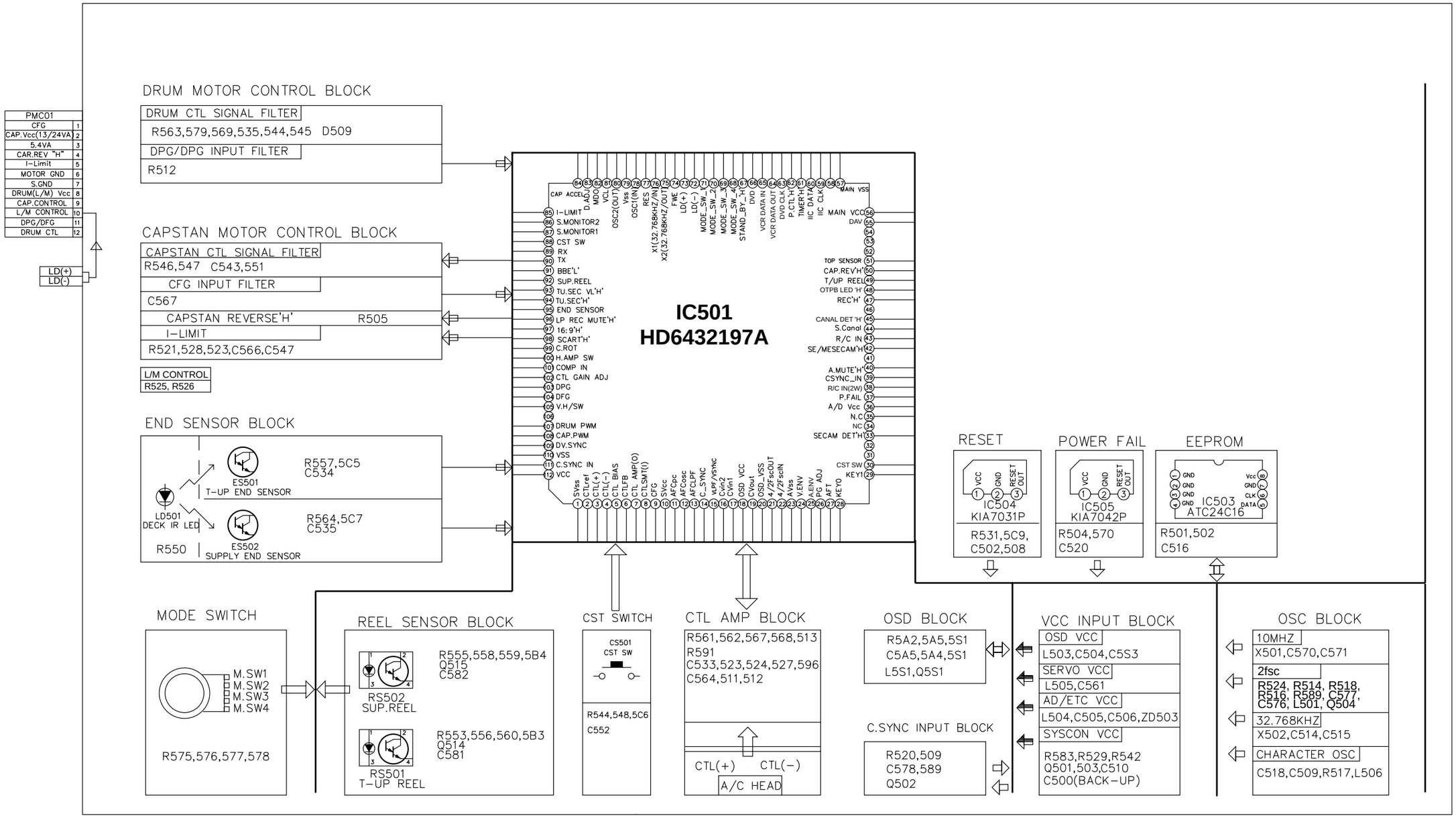

(REC MODE)



## 5. Hi-Fi BLOCK DIAGRAM



# 6. SYSTEM BLOCK DIAGRAM



# CIRCUIT DIAGRAMS

## 1. POWER(SMPS) CIRCUIT DIAGRAM

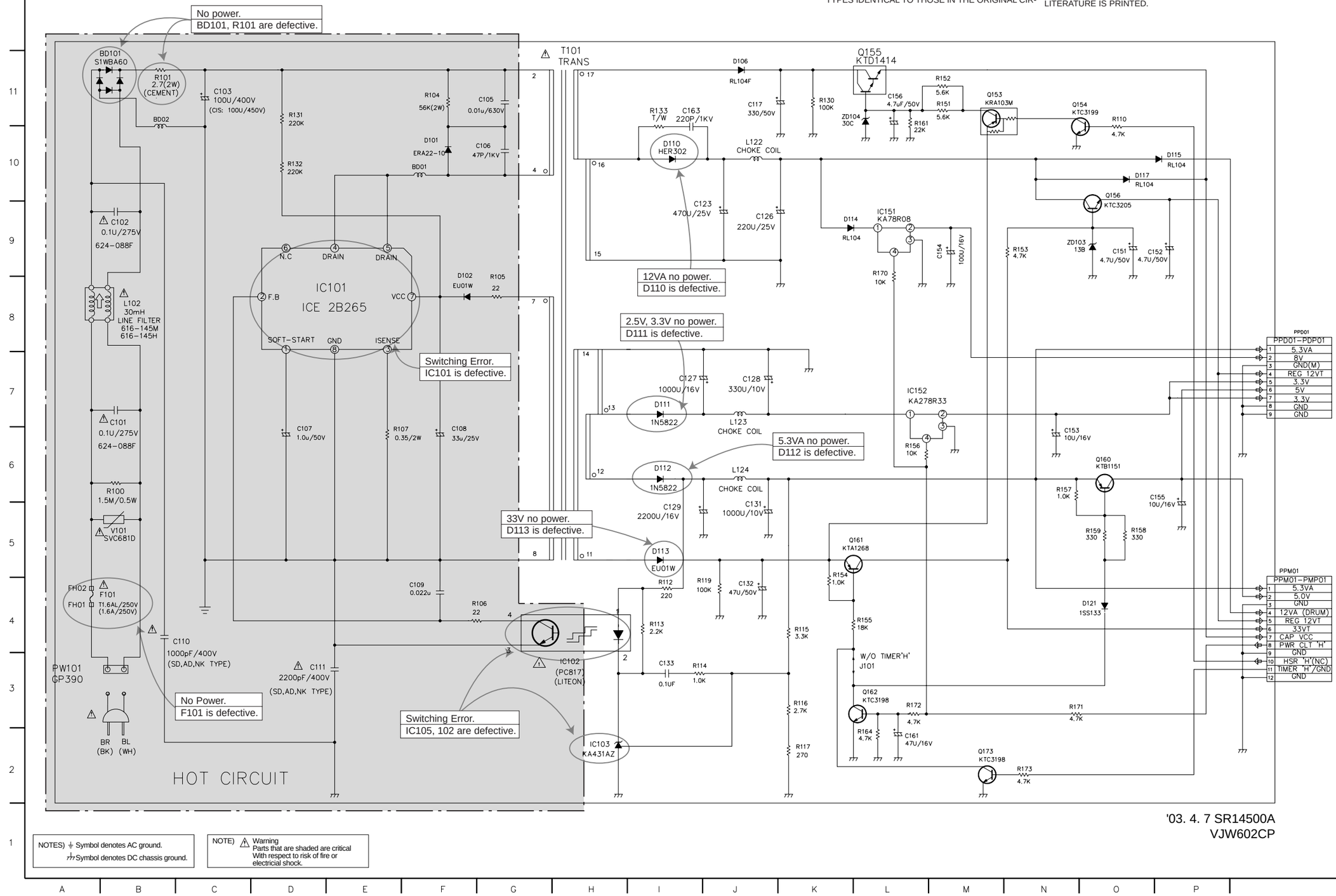
**IMPORTANT SAFETY NOTICE**

WHEN SERVICING THIS CHASSIS, UNDER NO CIRCUMSTANCES SHOULD THE ORIGINAL DESIGN BE MODIFIED OR ALTERED WITHOUT PERMISSION FROM THE JVC ELECTRONICS CORPORATION. ALL COMPONENTS SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT. SPECIAL COMPONENTS ARE SHADED ON THE SCHEMATIC FOR EASY IDENTIFICATION.

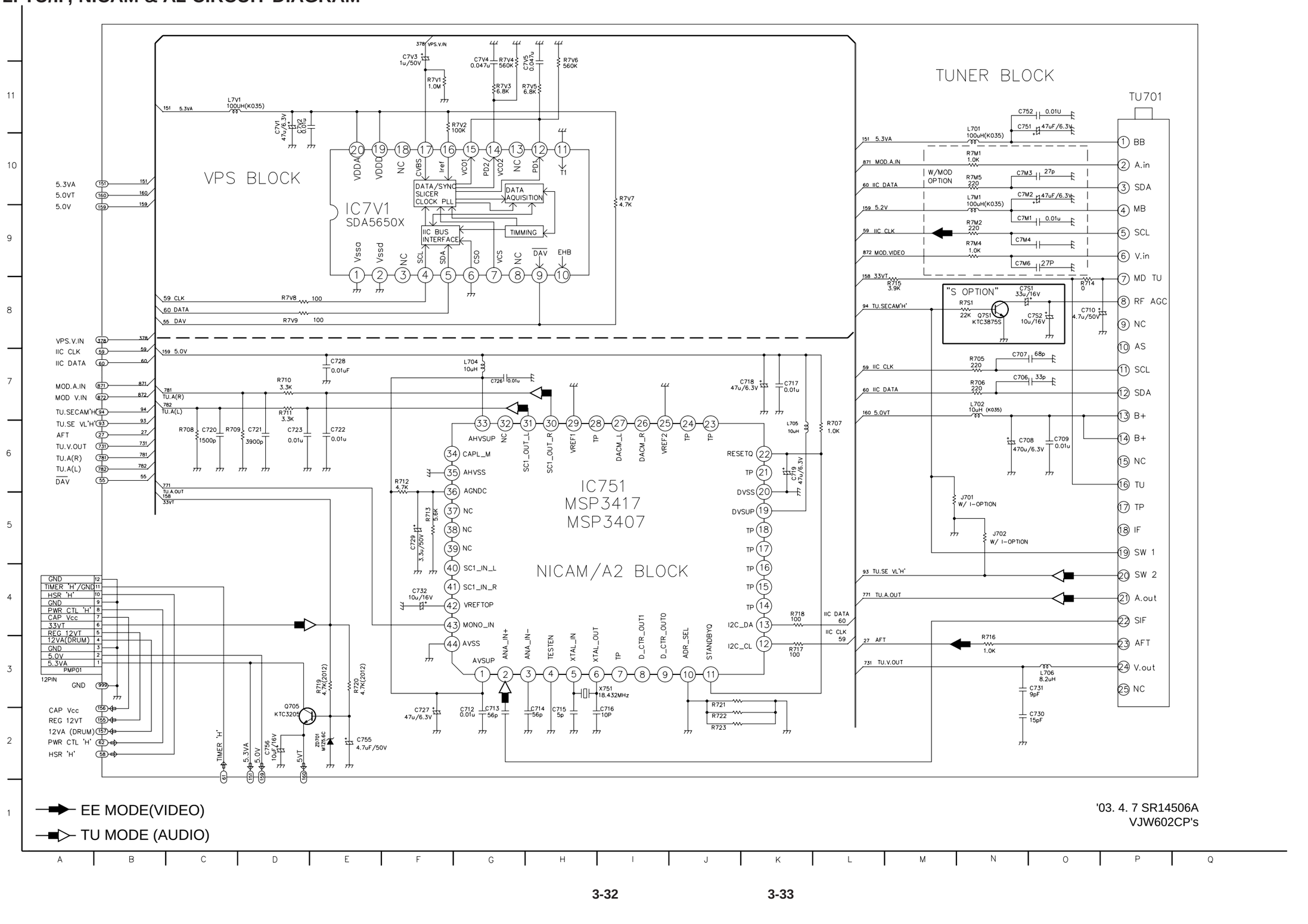
THIS CIRCUIT DIAGRAM MAY OCCASIONALLY DIFFER FROM THE ACTUAL CIRCUIT USED. THIS WAY, IMPLEMENTATION OF THE LATEST SAFETY AND PERFORMANCE IMPROVEMENT CHANGES INTO THE SET IS NOT DELAYED UNTIL THE NEW SERVICE LITERATURE IS PRINTED.

**NOTE :**

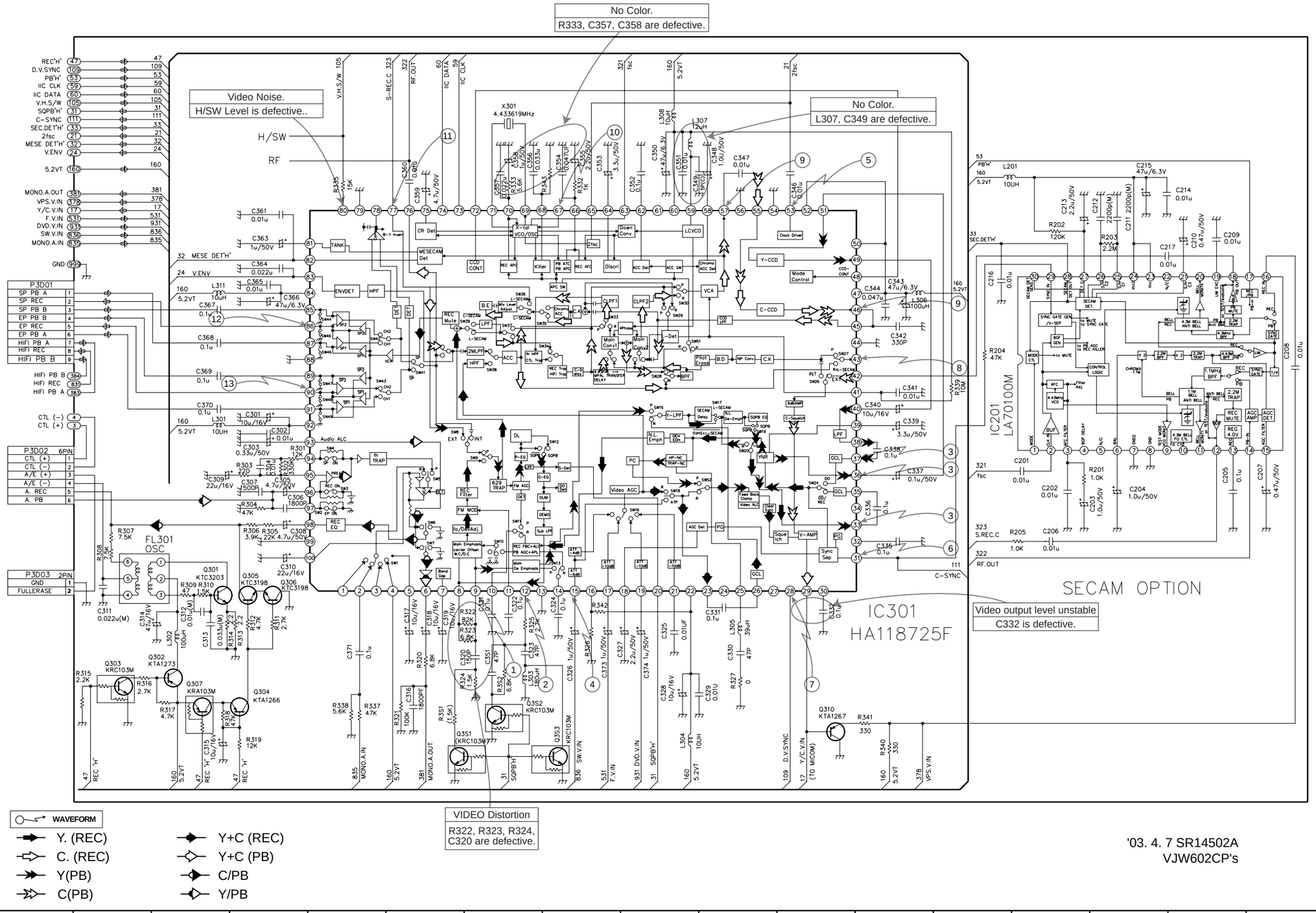
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



## 2. TU/IF, NICAM & A2 CIRCUIT DIAGRAM

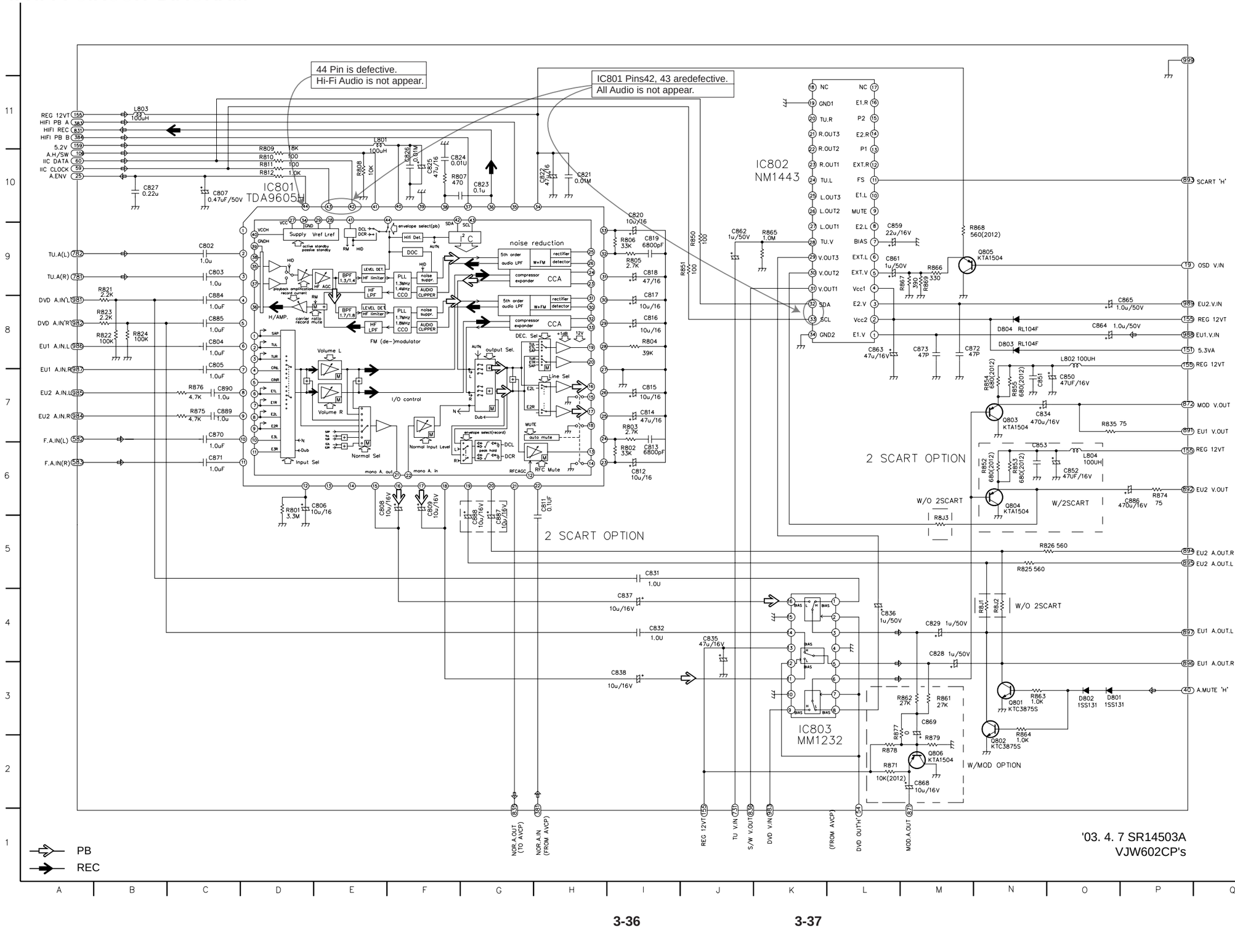


# 3. A/V CIRCUIT DIAGRAM

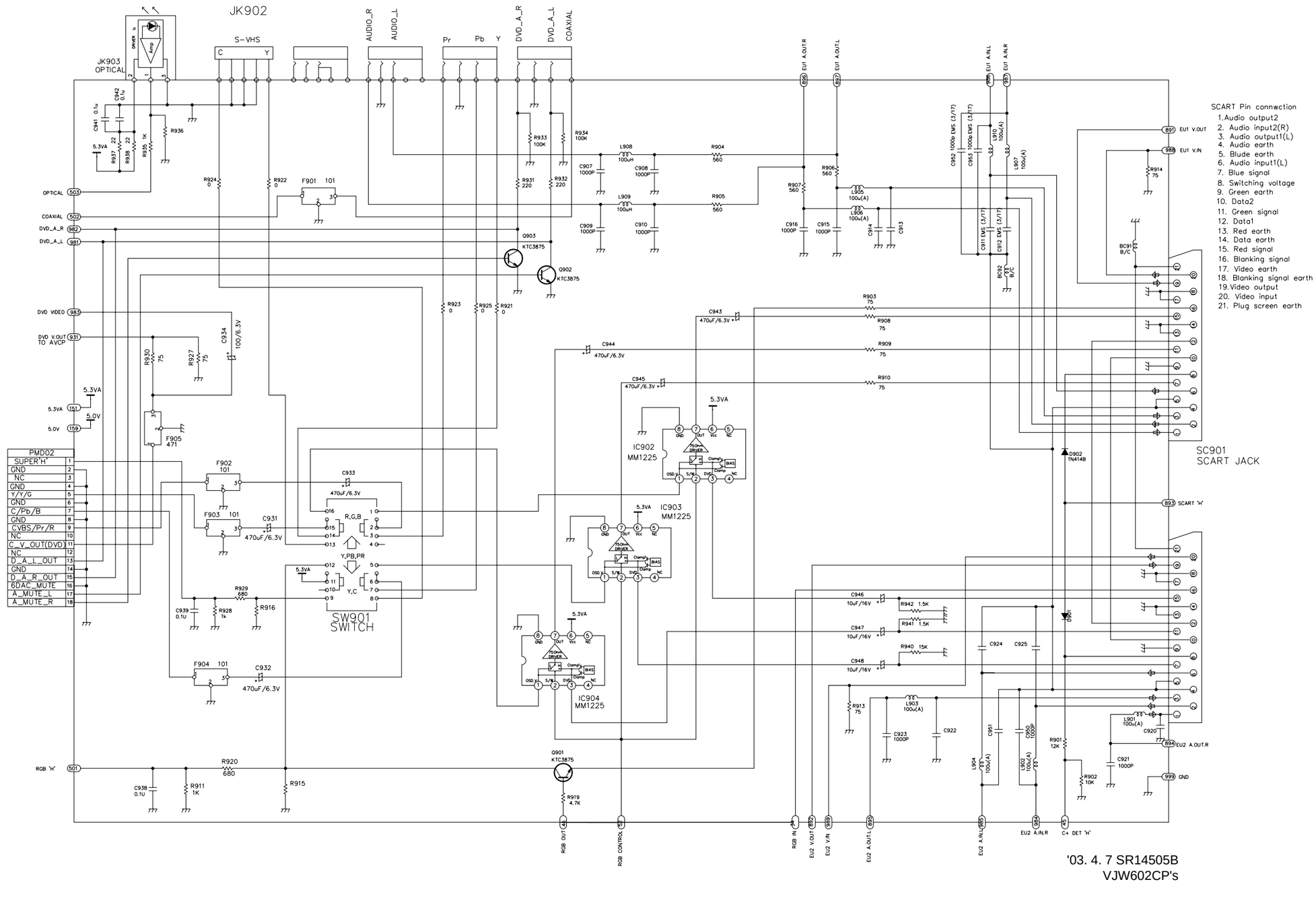



'03. 4. 7 SR14502A
VJW602CP's

# 4. Hi-Fi CIRCUIT DIAGRAM



# 5. SCART(JACK) CIRCUIT DIAGRAM

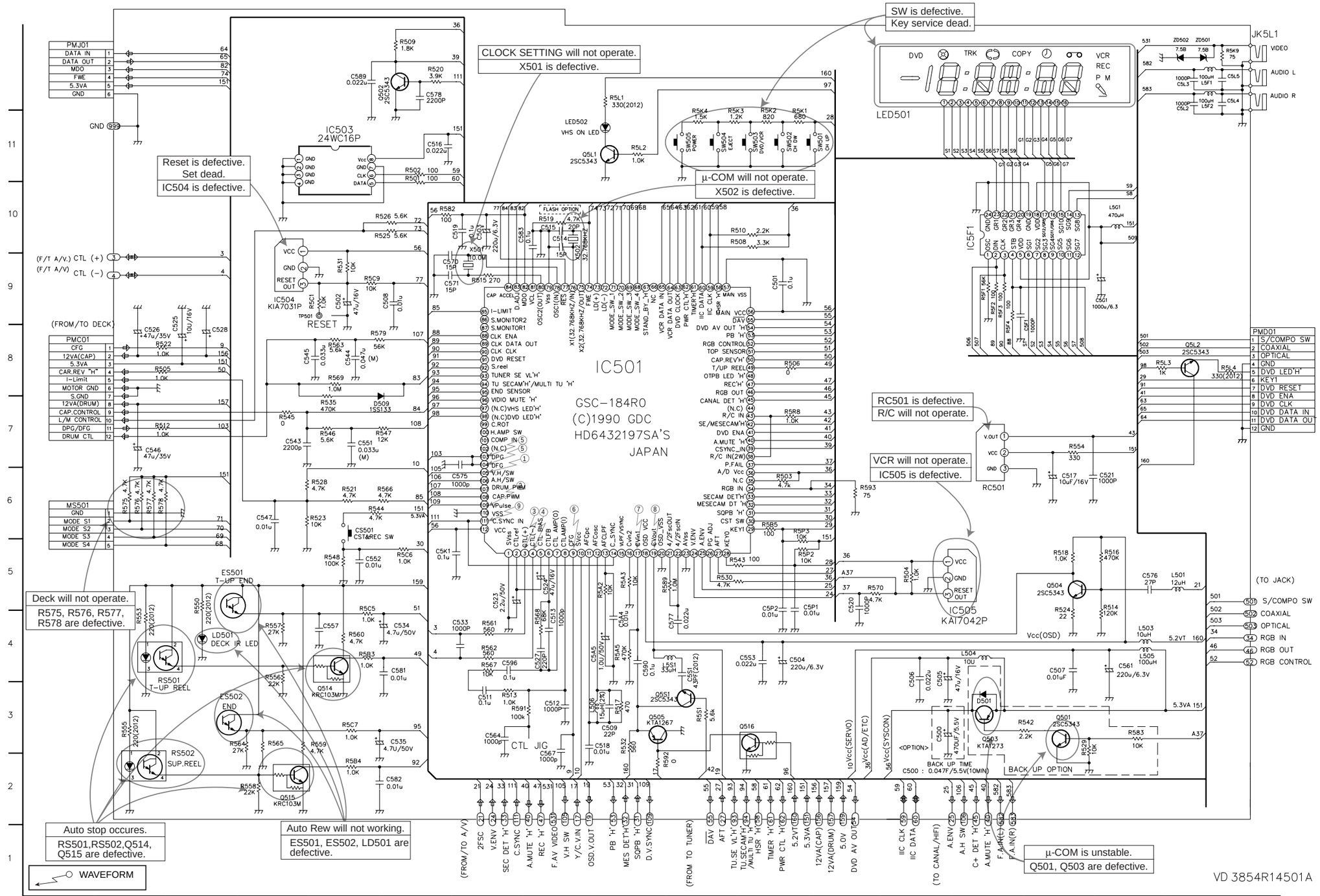



SCART Pin connwction

1. Audio output2
2. Audio input2(R)
3. Audio output1(L)
4. Audio earth
5. Blude earth
6. Audio input1(L)
7. Blue signal
8. Switching voltage
9. Green earth
10. Data2
11. Green signal
12. Data1
13. Red earth
14. Data earth
15. Red signal
16. Blanking signal
17. Video earth
18. Blanking signal earth
19. Video output
20. Video input
21. Plug screen earth

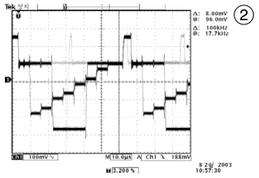
'03. 4. 7 SR14505B
VJW602CP's

# 6. SYSTEM CIRCUIT DIAGRAM

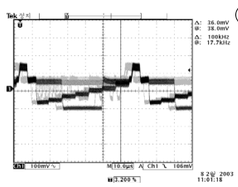


# • WAVEFORMS

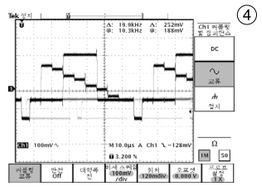
## * IC301 Waveform

① 

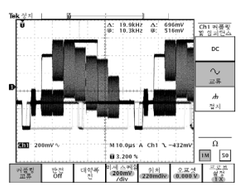
IC301 Pin 9
100mV/10msec DIV
VV/EE
(Main De-Emphasis out)

② 

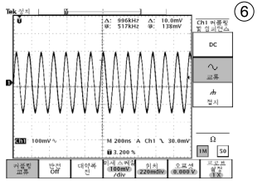
IC301 Pin 12
100mV/10msec DIV
PB
(Main De-Emphais
Peacking)

③ 

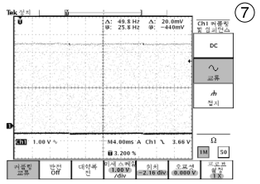
IC301 Pins 33, 36, 37
100mV/10msec DIV
VV/EE
Clamp Drive IN Pin 33
Y-out(to 1H CCD) Pin 36
Y-out(from 1H CCD) Pin 37

④ 

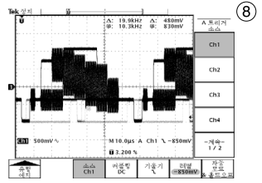
IC301 Pin 15
200mV/10msec DIV
EE
(VIDEO IN)

⑤ 

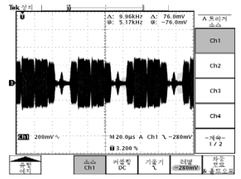
IC301 53 Pin
100mV/0.2msec DIV
REC/PB
(2fsc)

⑥ 

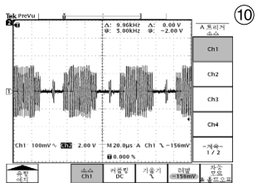
IC301 31 Pin
1.0V/20msec DIV
VV/EE
(C-SYNC OUT)

⑦ 

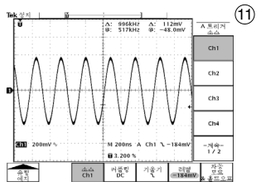
IC301 29 Pin
500mV/10msecDIV
VV/EE
(VIDEO OUT)

⑧ 

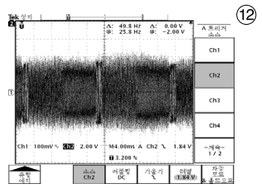
IC301 Pin 43
200mV/20msec DIV
PB
(C.OUT)

⑨ 

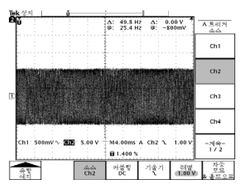
IC301 Pins 46, 57
200mV/20msec DIV
VV/EE
from 1H CCD Pin 46
to 1H CCD Pin 57

⑩ 

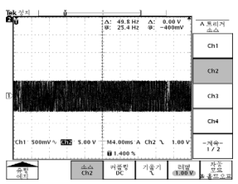
IC301 Pin 67
100mV/0.2msec DIV
PB/REC
(3.58MHz X-TAL IN)

⑪ 

IC301 Pin 77
100mV/5msec DIV
PB
(PB RF out)

⑫ 

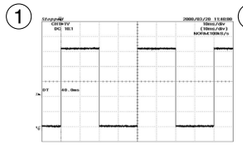
IC301 Pin 86
500mV/2msec DIV
SP REC
(REC RF)

⑬ 

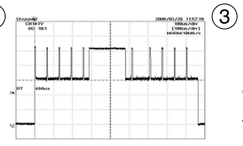
IC301 Pin 90
500mV/2msec DIV
EP REC
(REC RF)



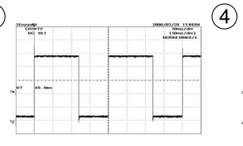
## * IC501 Waveform

① 

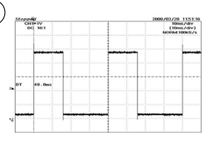
V.HSW
(IC501 Pin 105)
1V/10mS
REC/PB MODE

② 

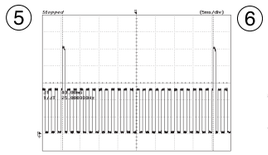
DV.SYNC
(IC501 PIN 109)
1V/100uS
QUE/REV MODE

③ 

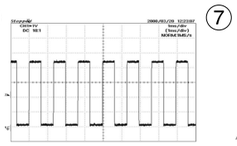
CTL(+)
(IC501 Pin 3)
1V/10mS

④ 

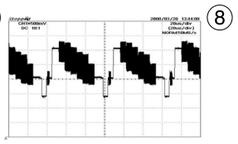
CTL(-)
(IC501 Pin4)
1V/10mS

⑤ 

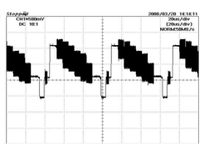
DFG/FG
(IC501 PIN 103,104)
1V/10mS
REC/PB MODE

⑥ 

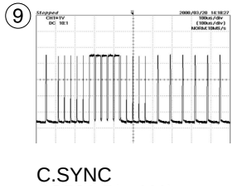
CFG
(IC501 Pin9)
1V/10mS

⑦ 

V.IN
(IC501 Pin 17)
500mV/20uS

⑧ 

V.OUT
(IC501 Pin 19)
500mV/20uS
EE/PB MODE

⑨ 

C.SYNC
(IC501 Pin 111)
1.0V/100uS
EE/PB MODE

# • CIRCUIT VOLTAGE CHART

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| **IC201** | | | |
| 1 | 2.36 V | 2.35 V | 2.32 V |
| 2 | 2.4 V | 2.35 V | 2.4 V |
| 3 | 3.5 V | 3.49 V | 3.5 V |
| 4 | 2.43 V | 2.41 V | 2.38 V |
| 5 | 0.002 V | 0.005 V | 0.006 V |
| 6 | 0.4 V | 3.7 V | 0.39 V |
| 7 | 0.003 V | 0.003 V | 0.003 V |
| 8 | 0.003 V | 0.003 V | 0.003 V |
| 9 | 2.87 V | 2.85 V | 2.81 V |
| 10 | 2.36 V | 2.35V | 2.32 V |
| 11 | 3.16 V | 3.13 V | 3 V |
| 12 | 3 V | 1.7 V | 3.03 V |
| 13 | 4 V | 4 V | 4 V |
| 14 | 2.3 V | 2.3 V | 2.25 V |
| 15 | 2.98 V | 1.78 V | 2.93 V |
| 16 | 3.2 V | 3.2 V | 3.2 V |
| 17 | 0.15 V | 3.86 V | 0.017 V |
| 18 | 0.124 V | 3.38 V | 0.127 V |
| 19 | 2.23 V | 2.23 V | 2.23 V |
| 20 | 3 V | 3.3 V | 3.3 V |
| 21 | 1.84 V | 2.34 V | 2.35 V |
| 22 | 4.71 V | 0.002 V | 0.007 V |
| 23 | 4.72 V | 4.69 V | 4.64 V |
| 24 | 4.72 V | 4.69 V | 4.63 V |
| 25 | 2.37 V | 2.26 V | 2.37 V |
| 26 | 2.37 V | 2.25 V | 2.36 V |
| 27 | 3 V | 2.86 V | 3 V |
| 28 | 0.182 V | 0.187 V | 0.182 V |
| 29 | 0.46 V | 0.62 V | 0.85 V |
| 30 | 1.95 V | 1.94 V | 1.91 V |
| **IC301** | | | |
| 1 | | 0.00 | 0.06 |
| 2 | | 0.06 | 0.06 |
| 3 | | 0.01 | 0.02 |
| 4 | | 5.15 | 5.10 |
| 5 | | 2.61 | 2.10 |
| 6 | | 2.54 | 0.00 |
| 7 | | 2.84 | 2.84 |
| 8 | | 1.35 | 1.85 |
| 9 | | 1.34 | 1.85 |
| 10 | | 1.90 | 2.39 |
| 11 | | 3.04 | 2.64 |
| 12 | | 0.01 | 1.69 |
| 13 | | 0.01 | 0.01 |
| 14 | | 2.40 | 2.78 |
| 15 | | 0.01 | 0.01 |
| 16 | | 1.92 | 0.31 |
| 17 | | 2.80 | 2.80 |
| 18 | | 1.89 | 1.95 |
| 19 | | 2.80 | 2.80 |
| 20 | | 0.01 | 0.02 |
| 21 | | 2.80 | 2.80 |
| 22 | | 5.14 | 5.10 |
| 23 | | 2.34 | 2.32 |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 24 | | 0.88 | 0.52 |
| 25 | | 2.13 | 2.13 |
| 26 | | 2.81 | 3.01 |
| 27 | | 0.92 | 0.51 |
| 28 | | 0.03 | 0.03 |
| 29 | | 2.38 | 2.47 |
| 30 | | 2.89 | 2.79 |
| 31 | | 0.23 | 0.37 |
| 32 | | 2.82 | 2.39 |
| 33 | | 2.15 | 2.10 |
| 34 | | 3.14 | 1.83 |
| 35 | | 2.54 | 3.05 |
| 36 | | 2.39 | 2.31 |
| 37 | | 3.13 | 3.04 |
| 38 | | 2.18 | 0.00 |
| 39 | | 1.45 | 2.49 |
| 40 | | 2.12 | 2.09 |
| 41 | | 2.66 | 2.49 |
| 42 | | 2.14 | 2.13 |
| 43 | | 2.14 | 2.13 |
| 44 | | 0.01 | 0.01 |
| 45 | | 3.15 | 3.12 |
| 46 | | 0.00 | 3.12 |
| 47 | | 0.00 | 5.05 |
| 48 | | 4.97 | 4.92 |
| 49 | | 3.33 | 3.28 |
| 50 | | 5.10 | 5.05 |
| 51 | | 2.11 | 2.03 |
| 52 | | 5.10 | 5.05 |
| 53 | | 2.63 | 2.61 |
| 54 | | 0.01 | 0.01 |
| 55 | | 2.02 | 1.99 |
| 56 | | 0.01 | 0.01 |
| 57 | | 2.18 | 2.18 |
| 58 | | 1.91 | 2.30 |
| 59 | | 4.99 | 4.95 |
| 60 | | 5.00 | 4.95 |
| 61 | | 0.03 | 0.03 |
| 62 | | 1.19 | 1.19 |
| 63 | | 2.35 | 2.35 |
| 64 | | 2.61 | 2.61 |
| 65 | | 2.26 | 2.26 |
| 66 | | 2.61 | 2.61 |
| 67 | | 1.39 | 1.39 |
| 68 | | 1.28 | 1.28 |
| 69 | | 1.98 | 1.98 |
| 70 | | 2.30 | 2.30 |
| 71 | | 1.60 | 1.60 |
| 72 | | 2.50 | 2.50 |
| 73 | | 5.25 | 5.25 |
| 74 | | 5.25 | 5.25 |
| 75 | | 5.25 | 5.25 |
| 76 | | 5.25 | 2.17 |
| 77 | | 2.17 | 2.17 |
| 78 | | 2.17 | 2.84 |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 79 | | 0.03 | 0.03 |
| 80 | | 0.01 | 0.01 |
| 81 | | 0.01 | 0.01 |
| 82 | | 0.01 | 0.01 |
| 83 | | 2.50 | 2.50 |
| 84 | | 5.05 | 5.05 |
| 85 | | 2.29 | 2.29 |
| 86 | | 2.29 | 2.29 |
| 87 | | 2.29 | 2.47 |
| 88 | | 0.01 | 0.01 |
| 89 | | 2.28 | 5.02 |
| 90 | | 2.28 | 0.03 |
| 91 | | 2.28 | 0.03 |
| 92 | | 5.11 | 5.06 |
| 93 | | 2.54 | 2.05 |
| 94 | | 2.54 | 2.55 |
| 95 | | 2.52 | 2.53 |
| 96 | | 2.50 | 2.53 |
| 97 | | 0.01 | 0.02 |
| 98 | | 2.55 | 2.27 |
| 99 | | 0.01 | 0.01 |
| 100 | | 2.54 | 2.57 |
| **IC5F1** | | | |
| 1 | 2.33 V | 2.31 V | 2.3 V |
| 2 | 4.98 V | 4.9 V | 4.9 V |
| 3 | 5 V | 5 V | 5 V |
| 4 | 4.96 V | 4.9 V | 4.9 V |
| 5 | 4.89 V | 4.85 V | 4.8 V |
| 6 | 0.64 V | 0.59 V | 0.6 V |
| 7 | 0.64 V | 0.59 V | 0.6 V |
| 8 | 0.64 V | 0.61 V | 0.6 V |
| 9 | 0.73 V | 0.93 V | 0.96 V |
| 10 | 1 V | 0.92 V | 0.91 V |
| 11 | 0.72 V | 0.63 V | 0.92 V |
| 12 | 1.83 V | 1.84 V | 1.8 V |
| 13 | 0.73 V | 0.75 V | 0.72 V |
| 14 | 1.26 V | 1.22 V | 1.2 V |
| 15 | 1.26 V | 1.23 V | 1.1 V |
| 16 | 1.65 V | 1.63 V | 1.54 V |
| 17 | 1.58 V | 1.58 V | 1.42 V |
| 18 | 4.89 V | 4.8 V | 4.8 V |
| 19 | 0.002 V | 0.003 V | 0.003 V |
| 20 | 1.75 V | 1.63 V | 1.5 V |
| 21 | 1.7 V | 1.7 V | 1.5 V |
| 22 | 1.78 V | 1.71 V | 1.5 V |
| 23 | 1.73 V | 1.6 V | 1.41 V |
| 24 | 0.002 V | 0.003 V | 0.003 V |
| **IC751** | | | |
| 1 | 5.1 V | 5.1 V | 5.08 V |
| 2 | 1.5 V | 1.5 V | 1.51 V |
| 3 | 1.5 V | 1.5 V | 1.5 V |
| 4 | 0.002 V | 0.003 V | 0.003 V |
| 5 | 2.5 V | 2.46 V | 2.46 V |
| 6 | 2.44 V | 2. 44 V | 2.43 V |
| 7 | 1.84 V | 1.89 V | 2.06 V |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 8 | 1.86 V | 0.004 V | 0.004 V |
| 9 | 1.86 V | 0.004 V | 0.004 V |
| 10 | 0.002 V | 0.003 V | 0.003 V |
| 11 | 5.12 V | 5.12 V | 5.11 V |
| 12 | 4.8 V | 4.8 V | 4.8 V |
| 13 | 4.7 V | 4.75 V | 4.7 V |
| 14 | 1.75V | 2.6 V | 2.59 V |
| 15 | 1.77 V | 2.6 V | 2.6 V |
| 16 | 1.77 V | 5 V | 5 V |
| 17 | 1.75 V | 1.5 V | 2.06 V |
| 18 | 1.75 V | 1.5 V | 2 V |
| 19 | 5 V | 5 V | 5 V |
| 20 | 0.003 V | 0.003 V | 0.003 V |
| 21 | 1.88 V | 1.58 V | 2 V |
| 22 | 5.1 V | 5.1 V | 5.11 V |
| 23 | 0.002 V | 0.005 V | 0.004 V |
| 24 | 0.002 V | 0.005 V | 0.005 V |
| 25 | 0.002 V | 0.003 V | 0.003 V |
| 26 | 0.05 V | 0.051 V | 0.051 V |
| 27 | 0.05 V | 0.05 V | 0.05 V |
| 28 | 0.002 V | 0.003 V | 0.005 V |
| 29 | 0.002 V | 0.003 V | 0.003 V |
| 30 | 2.78 V | 2.77 V | 2.76 V |
| 31 | 2.78 V | 1.9 V | 2.76 V |
| 32 | 0.002 V | 0.003 V | 0.005 V |
| 33 | 5.1 V | 5.09 V | 5.08 V |
| 34 | 4.06 V | 4.08 V | 4.06 V |
| 35 | 0.003 V | 0.003 V | 0.003 V |
| 36 | 2.77 V | 2.76 V | 2.76 V |
| 37 | 0.002 V | 0.002 V | 0.002 V |
| 38 | 0.002 V | 0.003 V | 0.002 V |
| 39 | 0.002 V | 0.003 V | 0.002 V |
| 40 | 2.76 V | 2.75 V | 2.75 V |
| 41 | 2.76 V | 2.75 V | 2.75 V |
| 42 | 2.59 V | 2.59 V | 2.6 V |
| 43 | 2.35 V | 2.35 V | 2.35 V |
| 44 | 0.003 V | 0.003 V | 0.003 V |
| **IC501** | | | |
| 1 | 0.002 V | 0.002 V | 0.002 V |
| 2 | 2.56 V | 2.55 V | 2.55 V |
| 3 | 2.56 V | 2.55 V | 2.9 V |
| 4 | 2.56 V | 2.55 V | 2 V |
| 5 | 2.56 V | 2.55 V | 2.55 V |
| 6 | 2.56 V | 2.56 V | 2.55 V |
| 7 | 2.64 V | 2.63 V | 2.6 V |
| 8 | 2.54 V | 2.53 V | 2.52 V |
| 9 | 0.064 V | 2.27 V | 2.26 V |
| 10 | 5.13 V | 5.12 V | 5.11 V |
| 11 | 1.69 V | 1.68 V | 1.66 V |
| 12 | 1.7 V | 1.7 V | 1.67 V |
| 13 | 2.32 V | 2 V | 2.3 V |
| 14 | 0.48 V | 0.08 V | 0.53 V |
| 15 | 1.28 V | 1.29 V | 1.36 V |
| 16 | 1.84 V | 1.83 V | 1,8 V |
| 17 | 2.32 V | 3 V | 2.26 V |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 18 | 4.7 V | 4,7 V | 4.6 V |
| 19 | 2.19 V | 3 V | 2.13 V |
| 20 | 0.01 V | 0.009 V | 0.01 V |
| 21 | 2.2 V | 2.2 V | 2.16 V |
| 22 | 2.32 V | 2.3 V | 2.26 V |
| 23 | 0.01 V | 0.009 V | 0.01 V |
| 24 | 0.3 V | 2.84 V | 0.012 V |
| 25 | 0.08 V | 3.4 V | 0.068 V |
| 26 | 5.14 V | 5.13 V | 5.12 V |
| 27 | 4.2 V | 4.16 v | 3.93 V |
| 28 | 5.13 V | 5.13 V | 5.11 V |
| 29 | 5.13 V | 5.13 V | 5.11 V |
| 30 | 0.004 V | 0.002 V | 0.003 V |
| 31 | 0.002 V | 0.002 V | 0.002 V |
| 32 | 0.002 V | 0.002 V | 0.002 V |
| 33 | 0.18 V | 0.18 V | 0.18 V |
| 34 | 1.37 V | 1.3 V | 1.42 V |
| 35 | 5.14 V | 5.13 V | 5.1 V |
| 36 | 5.14 V | 5.13 V | 5.1 V |
| 37 | 4.74 V | 4.73 V | 4.7 V |
| 38 | 4.74 V | 4.75 V | 4.7 V |
| 39 | 2.45 V | 4.9 V | 2.33V |
| 40 | 5 V | 0.003 V | 4.96 V |
| 41 | 2.28 V | 1.55 V | 1.42 V |
| 42 | 0.003 V | 0.003 V | 0.004 V |
| 43 | 4.76 V | 4.75 V | 4.73 V |
| 44 | 0.003 V | 0.003 V | 0.004 V |
| 45 | (-)0.001 V | (-)0.001 V | (-)0.001 V |
| 46 | 0.003 V | 0.003 V | 0.004 V |
| 47 | 0.003 V | 0.003 V | 5 V |
| 48 | 0.003 V | 0.003 V | 0.004 V |
| 49 | 5.14 V | 0~5 V | 0.005~5 V |
| 50 | 5.1 V | 0.003 V | 0.004 V |
| 51 | 4.38 V | 0.03 V | 0.035 V |
| 52 | 0.031 V | 5.06 V | 0.038 V |
| 53 | 0.003 V | 0.003 V | 0.004 V |
| 54 | 5.1 V | 5 V | 5 V |
| 55 | 5.1 V | 5.13 V | 5.11 V |
| 56 | 5.1 V | 5,1 V | 5.1 V |
| 57 | 0.002 V | 0.002 V | 0.002 V |
| 58 | 0.003 V | 0.004 V | 0.004 V |
| 59 | 4.8 V | 4.8 V | 4.8 V |
| 60 | 4.7 V | 4.7 V | 4.9 V |
| 61 | 4.7 V | 5 V | 5 V |
| 62 | 5 V | 5 V | 5 V |
| 63 | 1.8 V | 1.3 V | 1.68 V |
| 64 | 5.1 V | 5 V | 5 V |
| 65 | 1.78 V | 5.1 V | 1.66 V |
| 66 | 5.1 V | 5.1 V | 5.08 V |
| 67 | 0.004 V | 4.4 V | 5.08 V |
| 68 | 0.001 V | 5.1 V | 0.005 V |
| 69 | 0.001 V | 5.1 V | 5.12 V |
| 70 | 5.14 V | 5.1 V | 5.12 V |
| 71 | 5.14 V | 0.001 V | 0.001 V |
| 72 | 0.028 V | 0.028 V | 0.029 V |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 73 | 5 V | 5.1 V | 5.04 V |
| 74 | 0.001 V | 0.001 V | 0.002 V |
| 75 | 1.5 V | 1.93 V | 1.48 V |
| 76 | 1.7 V | 2.02 V | 1.44 V |
| 77 | 5.1 V | 5.1 V | 5.08 V |
| 78 | 2.5 V | 2.51 V | 2.52 V |
| 79 | 0.001 V | 0.002 V | 0.002 V |
| 80 | 2.53 V | 2.5 V | 2.5 V |
| 81 | 3.2 V | 3.2 V | 3.19 V |
| 82 | 5.12 V | 5.1 V | 5.1 V |
| 83 | 0.172 V | 2.68 V | 2.55 V |
| 84 | 0.004 V | 2.4 V | 2.69 V |
| 85 | 0.019 V | 3.4 V | 3.44 V |
| 86 | 2.55 V | 2.55 V | 2.56 V |
| 87 | 5.11 V | 3.1 V | 2.29 V |
| 88 | 5.11 V | 4.95 V | 4.9 V |
| 89 | 5.11 V | 4.97 V | 4.9 V |
| 90 | 5.11 V | 5 V | 4.98 V |
| 91 | 5.11 V | 5.1 V | 5.09 V |
| 92 | 5.12 V | 0.008~0.05 V | 0.006 V |
| 93 | 0.005 V | 0.005 V | 0.006 V |
| 94 | 0.005 V | 0.005 V | 0.013 V |
| 95 | 4.38 V | 0.05 V | 0.012 V |
| 96 | 0.005 V | 0.005 V | 0.006 V |
| 97 | 5.11 V | 5.1 V | 5.09 V |
| 98 | 0.005 V | 5.3 V | 0.006 V |
| 99 | 5.11 V | 2.55 V | 2.52 V |
| 100 | 0.005 V | 0.005 V | 0.006 V |
| 101 | 1.51 V | 2.6 V | 1.31 V |
| 102 | 0.005 V | 0.006 V | 0.006 V |
| 103 | 0.099 V | 1.36 V | 1.38 V |
| 104 | 0.099 V | 1.36 V | 1.36 V |
| 105 | 5.11 V | 2.55 V | 2.53 V |
| 106 | 0.005 V | 2.54 V | 2.53 V |
| 107 | 0.005 V | 2.75 V | 2.75 V |
| 108 | 0.005 V | 2.81 V | 2.79 V |
| 109 | 0.049 V | 50.6 V | 0.05 V |
| 110 | 0.002 V | 0.002 V | 0.002 V |
| 111 | 0.48 V | 0.6 V | 0.55 V |
| 112 | 5.12 V | 5.11 V | 5.1 V |
| **IC801** | | | |
| 1 | 3.8 V | 3.81 V | 3.82 V |
| 2 | 3.8 V | 3.82 V | 3.82 V |
| 3 | 3.8 V | 3.82 V | 3.82 V |
| 4 | 3.8 V | 3.82 V | 3.82 V |
| 5 | 3.8 V | 3.82 V | 3.82 V |
| 6 | 3.8 V | 3.82 V | 3.82 V |
| 7 | 3.8 V | 3.82 V | 3.82 V |
| 8 | 3.8 V | 3.82 V | 3.82 V |
| 9 | 3.8 V | 3.82 V | 3.82 V |
| 10 | 3.8 V | 3.82 V | 3.82 V |
| 11 | 3.8 V | 3.82 V | 3.82 V |
| 12 | 0.054 V | ~ | 0.048 V |
| 13 | 3.87 V | 3.8 V | 3.99 V |
| 14 | 0.008 V | 0.003 V | 0.011 V |

| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 15 | 0.008 V | 0.006 V | 0.01 V |
| 16 | 6 V | 6.07 V | 6.07 V |
| 17 | 6 V | 6.07 V | 6.08 V |
| 18 | 7 V | 6.07 V | 0.11 V |
| 19 | 6 V | 6.06 V | 0.028V |
| 20 | 6 V | 6.07 V | 6.07 V |
| 21 | 4.58 V | 4.57 V | 5.9 V |
| 22 | 3.82 V | 3.82 V | 3.82 V |
| 23 | 3.86 V | 3.84 V | 3.86 V |
| 24 | 3.87 V | 3.84 V | 3.87 V |
| 25 | 3.87 V | 3.9 V | 3.87 V |
| 26 | 0.76 V | 0.003 V | 0.76 V |
| 27 | 0.001 V | 0.003 V | 0.005 V |
| 28 | 3.84 V | 3.83 V | 3.83 V |
| 29 | 3.86 V | 3.86 V | 3.86 V |
| 30 | 0.77 V | 0.76V | 0.76 V |
| 31 | 3.87 V | 3.87 V | 3.86 V |
| 32 | 3.86 V | 3.87 V | 3.87 V |
| 33 | 3.86 V | 3.86 V | 3.86 V |
| 34 | 11.84 V | 11.76 V | 11.77 V |
| 35 | 0.64 V | 0.44 V | 4.3 V |
| 36 | 0.64 V | 0.62 V | 4.3 V |
| 37 | 0.64 V | 0.63 V | 4.28 V |
| 38 | 0.005 V | 0.008 V | 4.32 V |
| 39 | 0.002 V | 0.005 V | 0.006 V |
| 40 | 5 V | 5.07 V | 5.05 V |
| 41 | 0.005 V | 0.92 V | 0.92 V |
| 42 | 4.7 V | 4.7 V | 4.7 V |
| 43 | 4.8 V | 4.8 V | 4.8 V |
| 44 | 0.078 V | 3.3 V | 0.068 V |
| **IC802** | | | |
| 1 | 3 V | 2.93 V | 3.05 V |
| 2 | 11.8 V | 11.76 V | 11.76 V |
| 3 | 2.74 V | 2.74 V | 2.74 V |
| 4 | 11.8 V | 11.75 V | 11.76 V |
| 5 | 2.74 V | 2.75 V | 2.75 V |
| 6 | 5.5V | 5.5 V | 5.5 V |
| 7 | 5.6 V | 5.56 V | 5.57 V |
| 8 | 5.5 V | 5.5 V | 5.49 V |
| 9 | 5 V | 0.006 V | 4.97 V |
| 10 | 5.5 V | 5.5 V | 5.5 V |
| 11 | 11.23 V | 11.15 V | 11.16 V |
| 12 | 5.5 V | 5.5 V | 5.5 V |
| 13 | 0.008 V | 0.01 V | 0.009 V |
| 14 | 5.54 V | 5.5 V | 5.5 V |
| 15 | 0.008 V | 0.009 V | 0.009 V |
| 16 | 5.5 V | 5.5 V | 5.51 V |
| 17 | 0.002 V | 0.003 V | 0.005 V |
| 18 | 0.002 V | 0.005 V | 0.004 V |
| 19 | (-)0.001 V | 0.001 V | 0.001 V |
| 20 | 5.5 V | 5.5 V | 5.51 V |
| 21 | 5.6 V | 5.59 V | 5.59 V |
| 22 | 5.6 V | 5.59 V | 5.59 V |
| 23 | 5.6 V | 5.51 V | 5.52 V |
| 24 | 5.54 V | 5.5 V | 5.5 V |

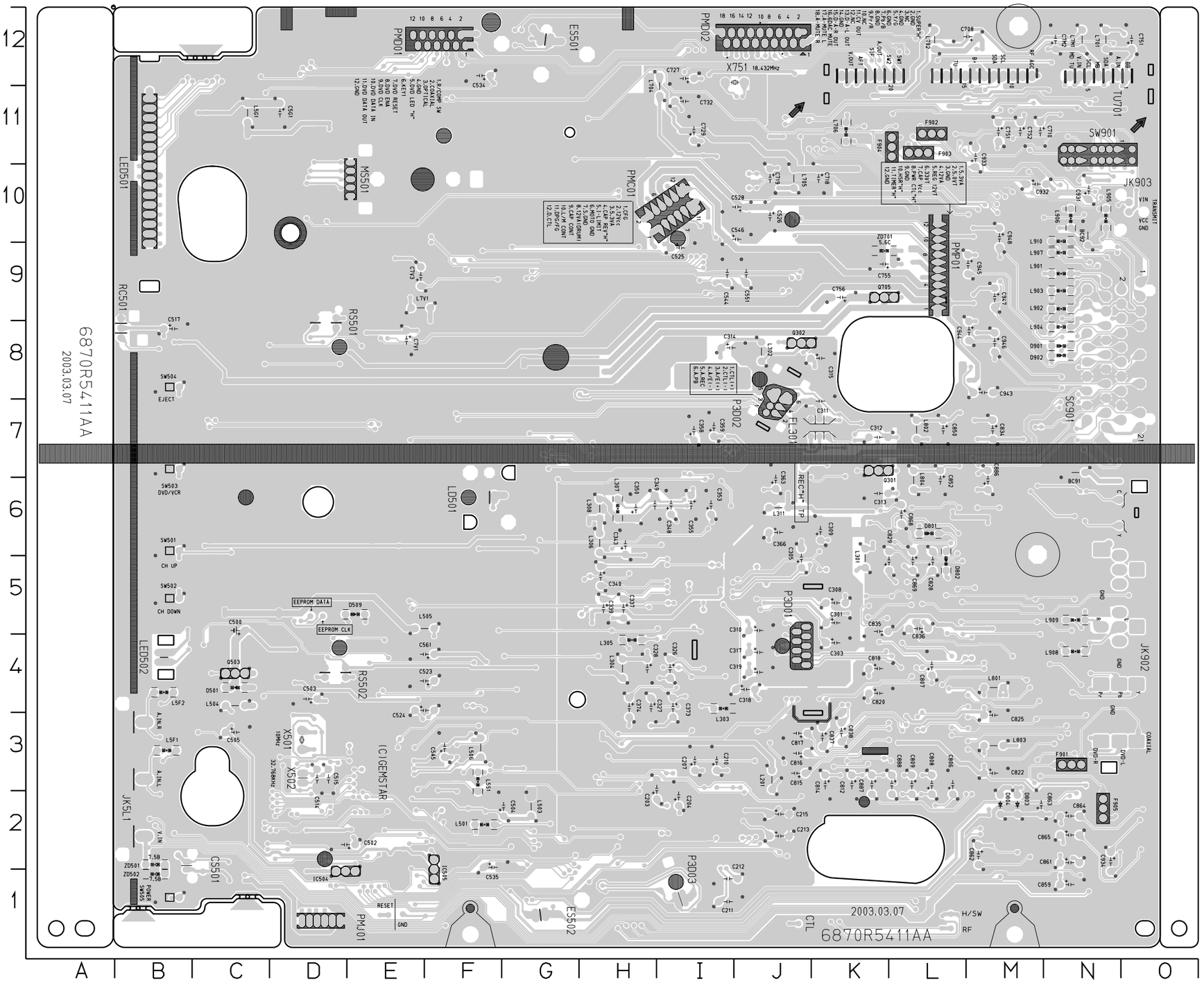
| MODE / PIN NO. | EE | PB | REC |
|---|---|---|---|
| 25 | 5.6 V | 5.58 V | 5.59 V |
| 26 | 5.6 V | 5.58 V | 5.59 V |
| 27 | 5.54 V | 5.5 V | 5.5 V |
| 28 | 4.16 V | 4.32 V | 4.51 V |
| 29 | 1.46 V | 1.46 V | 1.46 V |
| 30 | 2.1 V | 1.99 V | 2.07 V |
| 31 | 1.35 V | 1.35 V | 1.35 V |
| 32 | 4.7 V | 4.7 V | 4.7 V |
| 33 | 4.8 V | 4.8 V | 4.8 V |
| 34 | (-) 0.002 V | 0.001 V | 0.000 V |

| PIN | EE | PB | REC |
|---|---|---|---|
| **Q301** | | | |
| BASE | | 0.3 | 0.44 |
| EMITER | | 0 | 0.083 |
| COLECTOR | | 0.3 | 4.83 |
| **Q302** | | | |
| BASE | | 5.12 | 4.38 |
| EMITER | | 5.12 | 5.09 |
| COLECTOR | | 0.3 | 5.03 |
| **Q303** | | | |
| BASE | | 0 | 0 |
| EMITER | | 0 | 4.99 |
| COLECTOR | | 5.12 | 0 |
| **Q304** | | | |
| BASE | | 5.06 | 4.96 |
| EMITER | | 4.3 | 4.99 |
| COLECTOR | | 5.04 | 0 |
| **Q305** | | | |
| BASE | | 0 | -200 |
| EMITER | | 0.7 | -2 |
| COLECTOR | | 0 | 0 |
| **Q306** | | | |
| BASE | | 0 | -20V |
| EMITER | | 0.7 | -26V |
| COLECTOR | | 0 | 0 |
| **Q307** | | | |
| BASE | | 5.1 | 5.08 |
| EMITER | | 0 | 4.99 |
| COLECTOR | | 5.07 | 4.96 |
| **Q310** | | | |
| BASE | | 0 | 5.11 |
| EMITER | | 0 | 0 |
| COLECTOR | | 1.17 | 0 |
| **Q501** | | | |
| BASE | 0.69 V | 0.69 V | 0.69 V |
| EMITER | 0.002 V | 0.003 V | 0.003 V |
| COLECTOR | 0.02 V | 0.012 V | 0.023 V |
| **Q502** | | | |
| BASE | 0.31 V | 0.38 V | 0.33 V |
| EMITER | 0.004 V | 0.004 V | 0.004 V |
| COLECTOR | 2.65 V | 1.93 V | 2.4 V |
| **Q504** | | | |
| BASE | 0.59 V | 0.51 V | 0.50 V |
| EMITER | 0.03 V | 0.03 V | 0.03 V |
| COLECTOR | 3.78 V | 3.75 V | 3.71 V |
| **Q5S1** | | | |
| BASE | 0.006 V | 0.005 V | 0.003 V |
| EMITER | 1.77 V | 1.8 V | 1.89 V |
| COLECTOR | 2.41 V | 2.1 V | 2.4 V |
| **Q515** | | | |
| BASE | 4.94 V | 0.5~4.3 V | 0.4~4.9 V |
| EMITER | 0.002 V | 0.003 V | 0.005 V |
| COLECTOR | 0.02 V | 0.2~3.5 V | 0.4~4.9 V |
| **Q514** | | | |
| BASE | 4.96 V | 0.8~4.2 V | 0.2~4.3 V |
| EMITER | 0.002 V | 0.002 V | 0.003 V |

| PIN | EE | PB | REC |
|---|---|---|---|
| COLECTOR | 0.02 V | 0.01~4.8V | 0.011 V |
| **Q7S1** | | | |
| BASE | 0.007 V | 0.007 V | 0.008 V |
| EMITER | 0.001 V | 0.001 V | 0.001 V |
| COLECTOR | 3.7 V | 3.5 V | 0.057 V |
| **Q801** | | | |
| BASE | 0.7 V | (-)0.1 V | 0.01 V |
| EMITER | 0.001 V | 0.003 V | 0.001 V |
| COLECTOR | 0.004 V | ~ | 0.006 V |
| **Q802** | | | |
| BASE | 0.7 V | (-)0.12 V | 0.7 V |
| EMITER | 0.001 V | 0.001 V | 0.001 V |
| COLECTOR | 0.004 V | 0.02 V | 0.005 V |
| **Q804** | | | |
| BASE | 1.81 V | 2.5 V | 1.79 V |
| EMITER | 2.5 V | 3.20V | 2.48 V |
| COLECTOR | 0.002 V | 0 V | 0 V |
| **Q901** | | | |
| BASE | 0.005 V | 0.005 V | 0.006 V |
| EMITER | 0.003 V | 2.04 V | 1.9 V |
| COLECTOR | 0.003 V | 0.004 V | 0.005 V |
| **Q902** | | | |
| BASE | (-)1.64 V | (-)1.69 V | (-)1.79 V |
| EMITER | 0.003 V | 0.004 V | 0.004 V |
| COLECTOR | 0.004 V | 0.004 V | 0.005 V |
| **Q903** | | | |
| BASE | (-)1.74 V | (-)1.63 V | (-)1.8 V |
| EMITER | 0.003 V | 0.003 V | 0.005 V |
| COLECTOR | 0.003 V | 0.004 V | 0.005 V |

# PRINTED CIRCUIT DIAGRAMS

## 1. MAIN P.C.BOARD

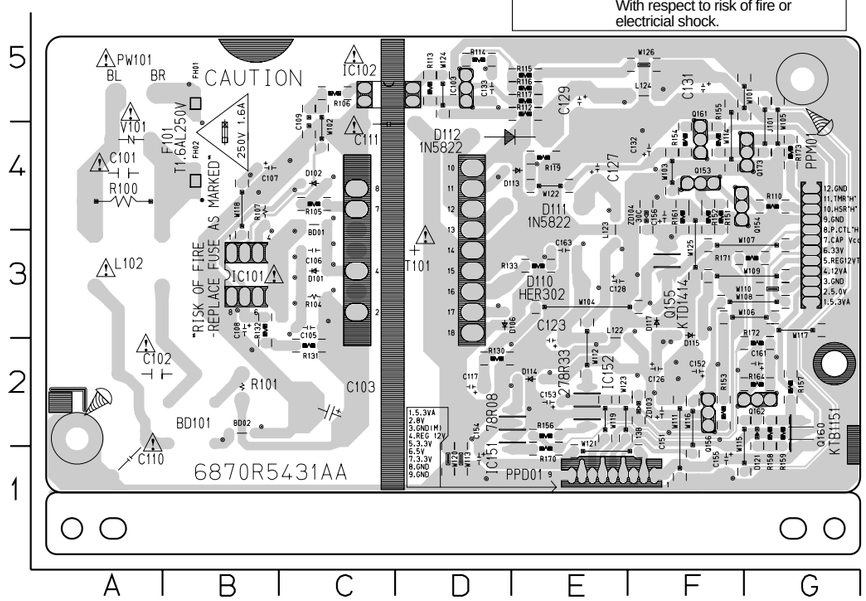



### LOCATION GUIDE

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BC91 | N7 | C361 | J6 | C5P2 | D2 | C838 | K3 | IC301 | I5 | Q306 | K6 | R505 | H10 | R5F3 | C11 | R864 | L5 |
| BC92 | N10 | C363 | J6 | C551 | F3 | C850 | L7 | IC501 | E3 | Q307 | K6 | R506 | E2 | R5F4 | C11 | R865 | M2 |
| C201 | I2 | C364 | F2 | C553 | F2 | C851 | L7 | IC503 | D5 | Q310 | H4 | R508 | D2 | R5K1 | B5 | R866 | N2 |
| C202 | I2 | C365 | J5 | C706 | M11 | C852 | L6 | IC504 | D1 | Q351 | I4 | R509 | E2 | R5K2 | B6 | R867 | N2 |
| C203 | I3 | C366 | J6 | C707 | M11 | C853 | L7 | IC505 | F1 | Q352 | I4 | R510 | D2 | R5K3 | B7 | R868 | N2 |
| C204 | I2 | C367 | J5 | C708 | M12 | C859 | N1 | IC5F1 | C11 | Q353 | I4 | R512 | I9 | R5K4 | B7 | R869 | N2 |
| C205 | I3 | C368 | J5 | C709 | M12 | C861 | N2 | IC751 | J11 | Q501 | C4 | R513 | F3 | R5K9 | B2 | R871 | K6 |
| C206 | I3 | C369 | J5 | C710 | M11 | C862 | M2 | IC7V1 | E9 | Q502 | E1 | R514 | F2 | R5L1 | C5 | R874 | M7 |
| C207 | I3 | C370 | J5 | C712 | I11 | C863 | M2 | IC801 | L3 | Q503 | C4 | R515 | D3 | R5L2 | C4 | R875 | L3 |
| C208 | J3 | C371 | J3 | C713 | I11 | C864 | N2 | IC802 | M2 | Q504 | F2 | R516 | F2 | R5L3 | E5 | R876 | L3 |
| C209 | J2 | C373 | I4 | C714 | I11 | C865 | N2 | IC803 | L5 | Q505 | F3 | R517 | I3 | R5L4 | E5 | R877 | L6 |
| C210 | I3 | C374 | H4 | C715 | I11 | C868 | L6 | IC902 | M8 | Q514 | D8 | R518 | F2 | R5P2 | C2 | R878 | K6 |
| C211 | I1 | C351 | I4 | C716 | J11 | C869 | L5 | IC903 | M10 | Q515 | D4 | R519 | D2 | R5P3 | C2 | R879 | K6 |
| C212 | I1 | C500 | C5 | C717 | J11 | C870 | L3 | IC904 | M9 | Q516 | F4 | R520 | E1 | R5R8 | E2 | R8J1 | L5 |
| C213 | J2 | C501 | D2 | C718 | K10 | C871 | L3 | J701 | L12 | Q5L1 | C4 | R521 | F4 | R551 | G2 | R8J2 | L5 |
| C214 | J2 | C502 | D2 | C719 | J10 | C872 | N2 | J702 | K12 | Q5L2 | E5 | R522 | H9 | R705 | M11 | R8J3 | M6 |
| C215 | J2 | C503 | D4 | C720 | J10 | C873 | N2 | JK5L1 | B2 | Q551 | G3 | R523 | F4 | R706 | M11 | R901 | N8 |
| C216 | J2 | C504 | G2 | C721 | J10 | C884 | L4 | JK902 | N5 | Q705 | K9 | R524 | F2 | R707 | J11 | R902 | N8 |
| C217 | H5 | C505 | C3 | C722 | J10 | C885 | L3 | JK903 | O10 | Q751 | M11 | R525 | D2 | R708 | J10 | R903 | N8 |
| C301 | K5 | C506 | C3 | C723 | J10 | C886 | M6 | L201 | J3 | Q801 | L5 | R526 | D2 | R709 | J10 | R904 | N4 |
| C302 | J5 | C507 | B3 | C726 | I11 | C887 | K3 | L301 | K5 | Q802 | L5 | R528 | F4 | R710 | J10 | R905 | N5 |
| C303 | K4 | C508 | D3 | C727 | I12 | C888 | L3 | L302 | J8 | Q803 | L7 | R529 | C3 | R711 | J10 | R906 | N10 |
| C304 | K5 | C509 | F3 | C728 | I11 | C889 | L3 | L303 | I4 | Q804 | L6 | R530 | F2 | R712 | I11 | R907 | N10 |
| C305 | J5 | C511 | F3 | C729 | I11 | C890 | L3 | L304 | H4 | Q805 | N1 | R531 | D2 | R713 | I11 | R908 | N8 |
| C306 | J5 | C512 | F3 | C730 | K11 | C907 | N4 | L305 | H4 | Q806 | K6 | R532 | F3 | R714 | N11 | R909 | N8 |
| C307 | J6 | C513 | F3 | C731 | K11 | C908 | N4 | L306 | H6 | Q901 | N7 | R535 | E5 | R715 | N11 | R910 | N8 |
| C308 | K5 | C514 | D3 | C732 | I11 | C909 | N5 | L307 | H6 | Q902 | N3 | R542 | C4 | R716 | K11 | R911 | M11 |
| C309 | K5 | C515 | D3 | C751 | O12 | C910 | N5 | L308 | H6 | Q903 | N4 | R543 | C4 | R717 | I11 | R913 | N7 |
| C310 | J5 | C516 | D5 | C752 | N11 | C911 | N9 | L311 | J6 | R201 | I2 | R544 | C1 | R718 | J11 | R914 | N7 |
| C311 | K7 | C517 | B8 | C755 | K9 | C912 | N9 | L501 | F2 | R202 | J2 | R545 | I10 | R719 | L9 | R915 | N10 |
| C312 | K7 | C518 | D3 | C756 | K9 | C913 | N9 | L503 | G2 | R203 | I2 | R546 | I10 | R720 | L9 | R916 | N10 |
| C313 | K6 | C519 | D3 | C7M1 | M12 | C914 | N10 | L504 | C4 | R204 | J2 | R547 | I9 | R721 | K11 | R919 | N8 |
| C314 | I8 | C520 | E2 | C7M2 | N12 | C915 | N10 | L505 | F5 | R205 | J6 | R548 | C2 | R722 | J10 | R920 | M11 |
| C315 | K8 | C521 | B8 | C7M3 | N11 | C916 | N10 | L506 | F3 | R301 | K5 | R549 | E5 | R723 | I11 | R921 | N4 |
| C316 | J4 | C523 | F4 | C7M4 | N11 | C920 | N9 | L5F1 | B3 | R302 | K5 | R553 | D8 | R7M1 | N12 | R922 | N6 |
| C317 | J4 | C524 | F4 | C7M6 | N11 | C921 | N9 | L5F2 | B4 | R303 | K6 | R554 | B8 | R7M2 | N11 | R923 | N4 |
| C318 | J4 | C525 | I9 | C751 | M11 | C922 | N9 | L5G1 | C11 | R304 | J6 | R555 | D4 | R7M4 | N11 | R924 | N6 |
| C319 | J4 | C526 | F4 | C752 | M11 | C923 | N9 | L5S1 | F3 | R305 | K5 | R556 | D8 | R7M5 | N11 | R925 | N4 |
| C320 | I4 | C527 | F3 | C7V1 | E8 | C924 | N9 | L701 | N12 | R306 | K5 | R557 | G12 | R751 | M10 | R927 | O2 |
| C321 | I4 | C528 | J10 | C7V2 | E8 | C925 | N9 | L702 | L12 | R307 | K7 | R558 | D4 | R7V1 | E9 | R928 | N10 |
| C322 | I4 | C533 | F4 | C7V3 | E9 | C931 | N9 | L704 | I11 | R308 | K7 | R559 | D4 | R7V2 | E9 | R929 | M10 |
| C323 | I4 | C534 | F12 | C7V4 | E9 | C932 | M10 | L705 | J10 | R309 | K7 | R560 | D8 | R7V3 | E9 | R930 | N2 |
| C324 | I4 | C535 | F2 | C7V5 | E9 | C933 | M11 | L706 | K11 | R310 | K7 | R561 | F4 | R7V4 | E9 | R931 | N3 |
| C325 | I4 | C543 | I10 | C802 | L4 | C934 | N2 | L7M1 | N12 | R311 | K6 | R562 | F4 | R7V5 | E9 | R932 | N3 |
| C326 | I4 | C544 | B8 | C803 | L3 | C938 | N11 | L7V1 | E9 | R312 | K6 | R563 | I9 | R7V6 | E9 | R933 | N3 |
| C327 | H4 | C545 | I9 | C804 | L3 | C939 | N10 | L801 | M4 | R313 | K7 | R564 | F1 | R7V7 | E8 | R934 | N3 |
| C328 | H4 | C546 | J10 | C805 | L3 | C941 | Q10 | L802 | L7 | R314 | K7 | R565 | F1 | R7V8 | E8 | R935 | N10 |
| C329 | I4 | C547 | I4 | C806 | L3 | C942 | M8 | L803 | K3 | R315 | K7 | R566 | F1 | R7V9 | E8 | R936 | N10 |
| C330 | H5 | C551 | J9 | C807 | L4 | C943 | M8 | L804 | L6 | R316 | J6 | R567 | F3 | R801 | L2 | R937 | N10 |
| C331 | I5 | C552 | C1 | C808 | L3 | C944 | M8 | L901 | N9 | R317 | J6 | R568 | F3 | R802 | K3 | R938 | O10 |
| C332 | I5 | C557 | D12 | C809 | L3 | C945 | M9 | L902 | N9 | R318 | J6 | R569 | F3 | R803 | K3 | R940 | N9 |
| C335 | H5 | C561 | F4 | C811 | K3 | C946 | M8 | L903 | N9 | R319 | K6 | R570 | E2 | R804 | K3 | R941 | M9 |
| C336 | H5 | C564 | F4 | C812 | K3 | C947 | M9 | L904 | N8 | R320 | J4 | R575 | D10 | R805 | K3 | R942 | M8 |
| C337 | H5 | C567 | F3 | C813 | K3 | C948 | M10 | L905 | N10 | R321 | J4 | R576 | D10 | R806 | K3 | RC501 | B8 |
| C338 | H5 | C570 | D3 | C814 | K3 | C949 | N8 | L906 | N10 | R322 | I4 | R577 | D10 | R807 | L4 | RS501 | D8 |
| C339 | H5 | C571 | D3 | C815 | J3 | C951 | N8 | L907 | N9 | R323 | I4 | R578 | D11 | R808 | L4 | RS502 | D4 |
| C340 | H5 | C575 | E3 | C816 | J3 | C952 | N9 | L908 | N4 | R324 | I4 | R579 | I9 | R809 | L4 | SC901 | O8 |
| C341 | H5 | C576 | E3 | C817 | J3 | C953 | N9 | L909 | N5 | R325 | I4 | R582 | C3 | R810 | L4 | SW501 | B6 |
| C342 | H5 | C577 | F2 | C818 | K4 | C5501 | C2 | L910 | N10 | R326 | I4 | R583 | C3 | R811 | L4 | SW502 | B5 |
| C343 | H6 | C578 | E1 | C819 | K3 | D501 | C4 | LD501 | F6 | R327 | H5 | R589 | F2 | R812 | L4 | SW503 | B7 |
| C344 | H6 | C581 | D8 | C820 | K4 | D509 | E5 | LED501 | B9 | R332 | I6 | R591 | F3 | R821 | L4 | SW504 | B8 |
| C345 | H6 | C582 | D4 | C821 | K4 | D801 | L6 | LED502 | B4 | R333 | I7 | R592 | F4 | R822 | L4 | SW505 | B1 |
| C347 | I6 | C583 | D3 | C822 | M3 | D802 | L5 | M5501 | E10 | R335 | J6 | R593 | E1 | R823 | L3 | SW901 | O11 |
| C348 | I6 | C589 | E2 | C823 | L4 | D803 | M2 | P3D01 | J5 | R337 | J3 | R5A2 | F3 | R824 | L3 | TP501 | E1 |
| C349 | H6 | C590 | F3 | C824 | L4 | D804 | M2 | P3D02 | J7 | R338 | J3 | R5A3 | F3 | R825 | L4 | TU701 | O12 |
| C350 | H6 | C596 | F3 | C825 | M3 | D901 | N8 | P3D03 | I1 | R339 | H5 | R5A5 | F3 | R826 | L5 | X301 | J6 |
| C351 | I6 | C5A4 | F3 | C826 | L4 | D902 | N8 | PMC01 | I10 | R340 | H4 | R5B3 | D8 | R835 | M7 | X501 | D3 |
| C352 | I6 | C5A5 | F3 | C827 | L4 | E5501 | H12 | PMD01 | F12 | R341 | H4 | R5B4 | D4 | R850 | M2 | X502 | D3 |
| C353 | I6 | C5F1 | C11 | C828 | L5 | E5502 | F1 | PMD02 | J12 | R342 | I4 | R5B5 | F2 | R851 | M2 | X751 | J12 |
| C354 | I6 | C5G1 | D11 | C829 | L5 | F901 | N3 | PMJ01 | D1 | R343 | I6 | R5C1 | D2 | R852 | L6 | ZD501 | B2 |
| C355 | I6 | C5K1 | E4 | C831 | L4 | F902 | L11 | PMP01 | L9 | R351 | I4 | R5C5 | G12 | R853 | L6 | ZD502 | B1 |
| C356 | I6 | C5L2 | B3 | C832 | L4 | F903 | L11 | Q301 | K7 | R352 | I4 | R5C6 | C1 | R854 | L7 | ZD701 | K9 |
| C357 | I7 | C5L3 | B3 | C834 | M7 | F904 | L11 | Q302 | J8 | R501 | D5 | R5C7 | F1 | R855 | L7 | | |
| C358 | I7 | C5L4 | B3 | C835 | K5 | F905 | N2 | Q303 | K6 | R502 | D5 | R5C9 | D2 | R861 | L5 | | |
| C359 | I7 | C5L5 | B3 | C836 | L5 | FL301 | J7 | Q304 | K6 | R503 | E2 | R5F1 | C11 | R862 | L5 | | |
| C360 | J6 | C5P1 | D2 | C837 | K3 | IC201 | I2 | Q305 | K6 | R504 | E2 | R5F2 | C11 | R863 | L5 | | |

## 2. SMPS P.C.BOARD

NOTES) ⚠ Warning
Parts that are shaded are critical
With respect to risk of fire or
electricial shock.

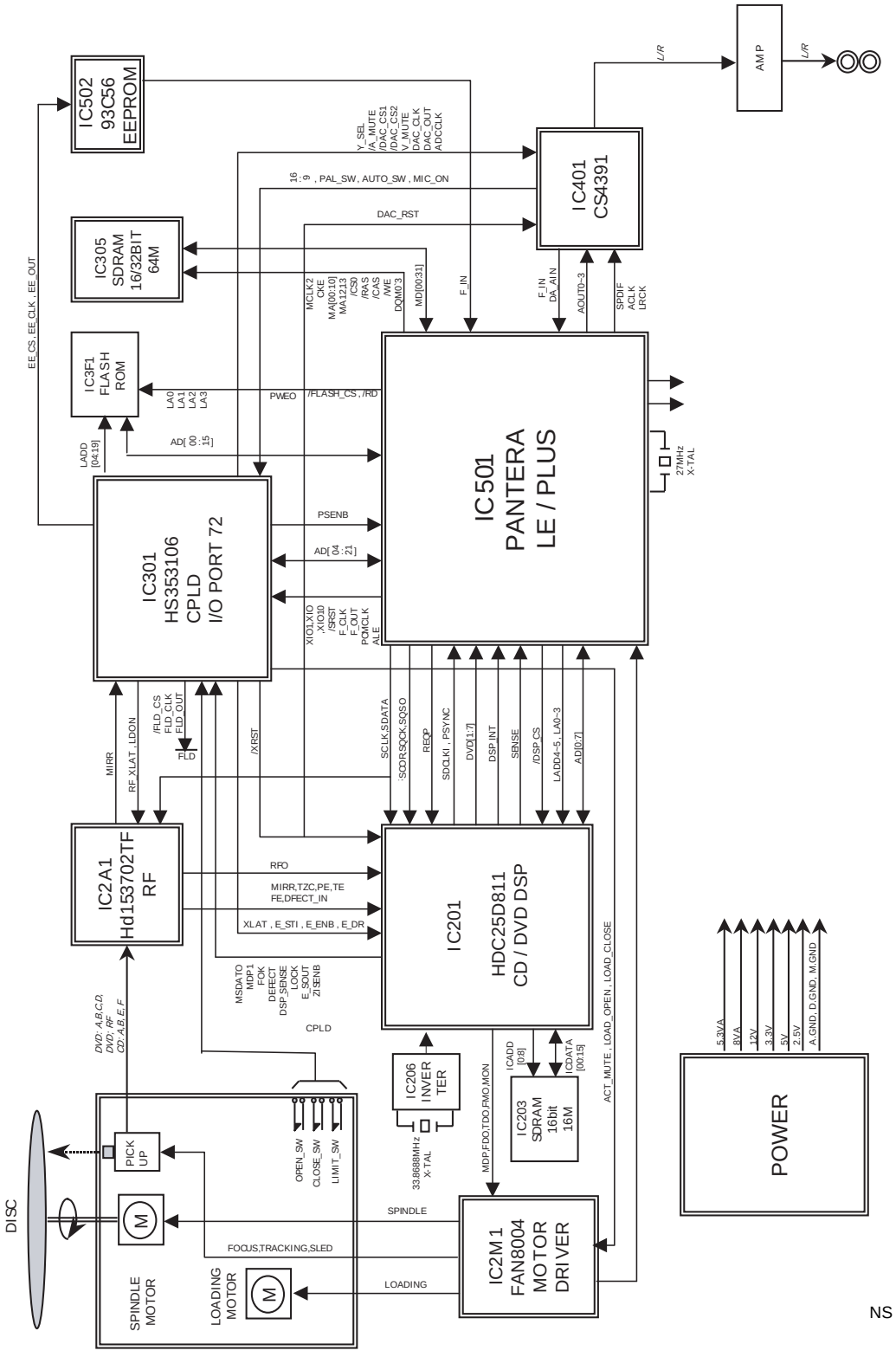



LOCATION GUIDE

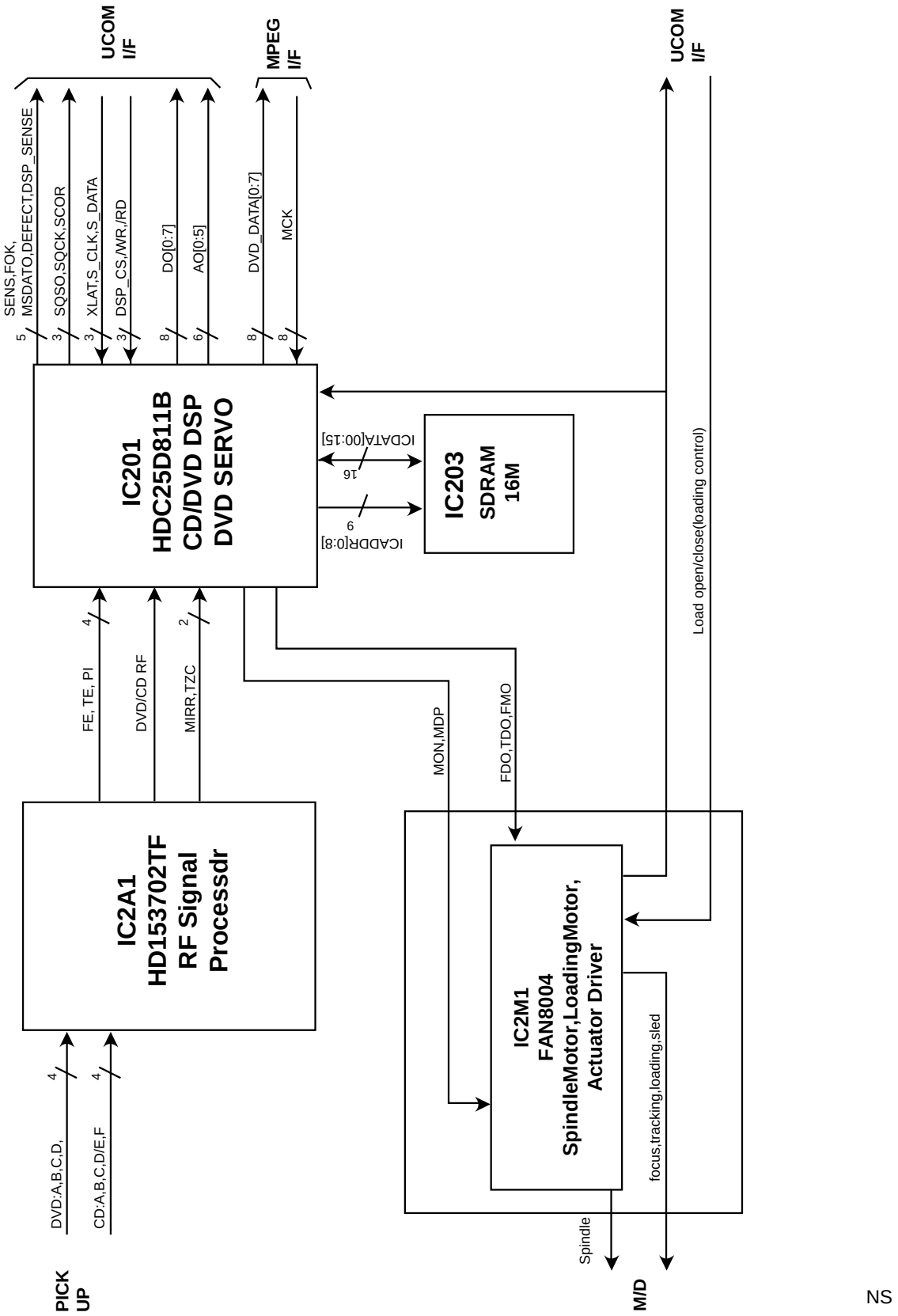
| | | | |
|---|---|---|---|
| BD01 | C4 | L123 | E3 |
| BD02 | B2 | L124 | F5 |
| BD101 | B2 | PPD01 | F1 |
| C101 | A4 | PPM01 | G3 |
| C102 | A2 | PW101 | A5 |
| C103 | C2 | Q153 | F4 |
| C105 | C3 | Q154 | F4 |
| C106 | C3 | Q155 | F3 |
| C107 | B4 | Q156 | F2 |
| C108 | B3 | Q160 | G2 |
| C109 | C4 | Q161 | F4 |
| C110 | A1 | Q162 | G2 |
| C111 | C4 | Q173 | G4 |
| C117 | D2 | R100 | A4 |
| C123 | E2 | R101 | B2 |
| C126 | F2 | R104 | C3 |
| C127 | E4 | R105 | C4 |
| C128 | E3 | R106 | C5 |
| C129 | E5 | R107 | B4 |
| C131 | F5 | R110 | G4 |
| C132 | F4 | R112 | E5 |
| C133 | D5 | R113 | D5 |
| C151 | F2 | R114 | D5 |
| C152 | F2 | R115 | E5 |
| C153 | E2 | R116 | E5 |
| C154 | D1 | R117 | E5 |
| C155 | F1 | R119 | E4 |
| C156 | F4 | R130 | D2 |
| C161 | G2 | R131 | C2 |
| C163 | E3 | R132 | B3 |
| D101 | C3 | R133 | E3 |
| D102 | C4 | R151 | F4 |
| D106 | D3 | R152 | F4 |
| D110 | E3 | R153 | F2 |
| D111 | E4 | R154 | F4 |
| D112 | D4 | R155 | F4 |
| D113 | E4 | R156 | E2 |
| D114 | E2 | R157 | G2 |
| D115 | F3 | R158 | G2 |
| D117 | E3 | R159 | G2 |
| D121 | G2 | R161 | F4 |
| FH01 | B5 | R164 | G2 |
| FH02 | B4 | R170 | E1 |
| IC101 | B3 | R171 | G3 |
| IC102 | D5 | R172 | G2 |
| IC103 | D5 | R173 | G4 |
| IC151 | E2 | T101 | D3 |
| IC152 | E2 | V101 | A4 |
| J101 | G4 | ZD103 | F2 |
| L102 | A3 | ZD104 | F4 |
| L122 | E2 | | |

# BLOCK DIAGRAMS

## 1. DVD OVERALL BLOCK DIAGRAM

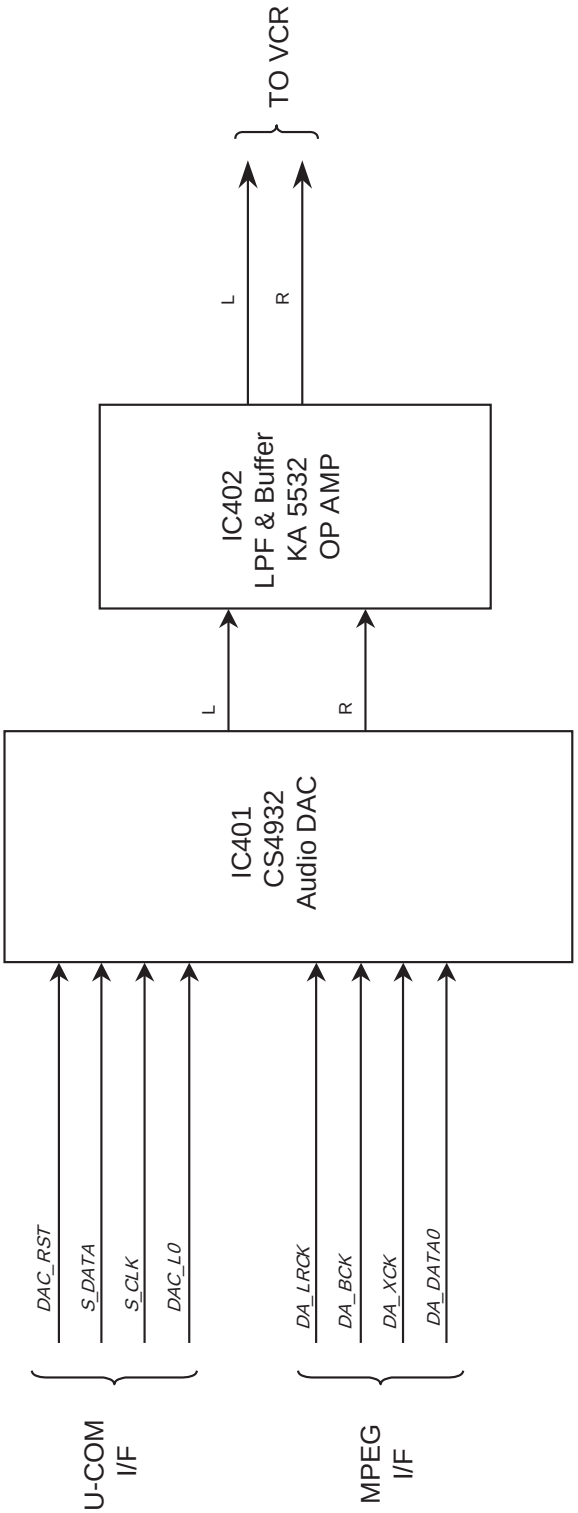


## 2. RF/CD DSP/DVD DSP/DVD SERVO BLOCK DIAGRAM



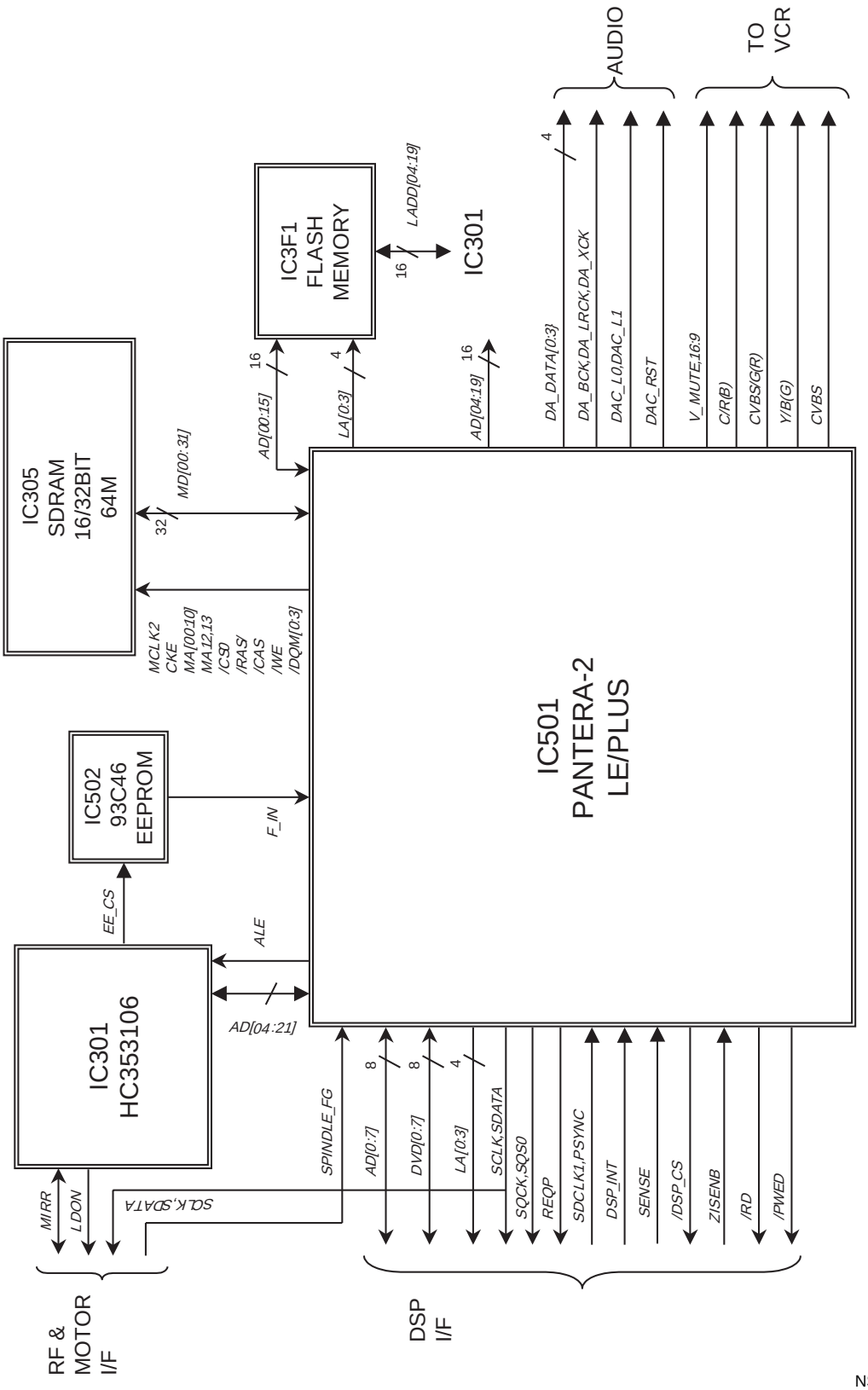

NS

## 3. AUDIO BLOCK DIAGRAM



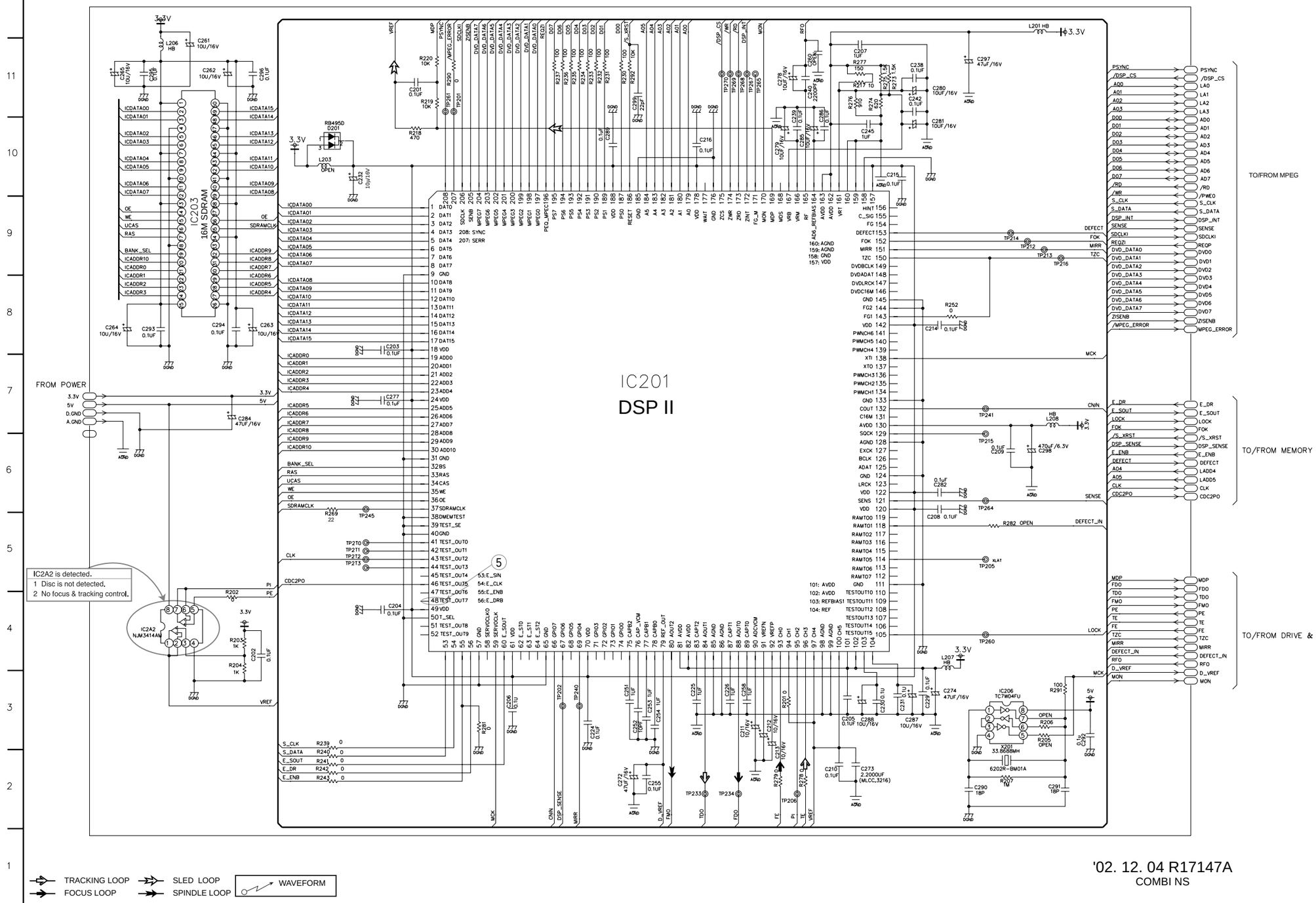

NS

# 4. MPEG BLOCK DIAGRAM



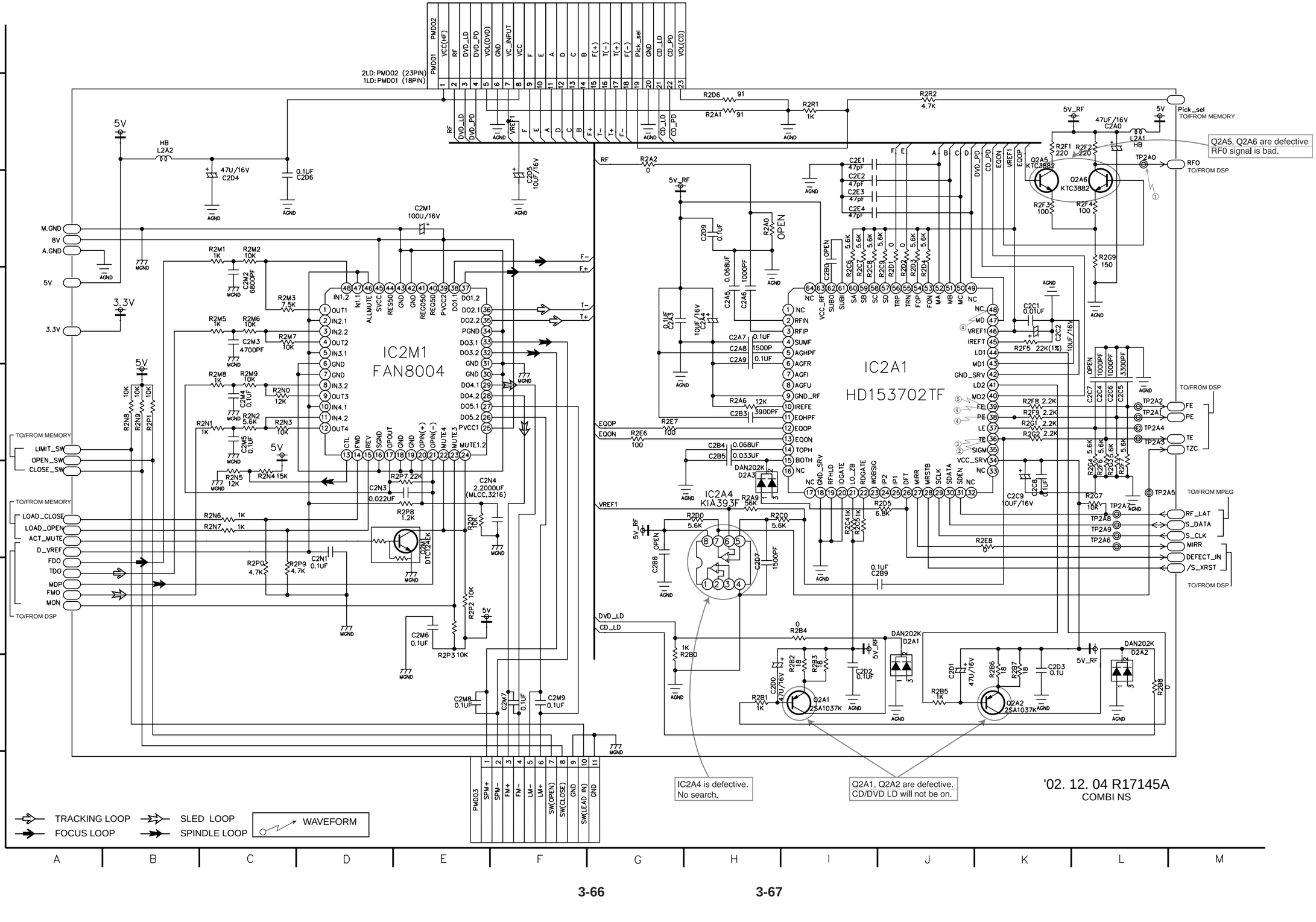
# CIRCUIT DIAGRAMS

## 1. DVD DSP CIRCUIT DIAGRAM

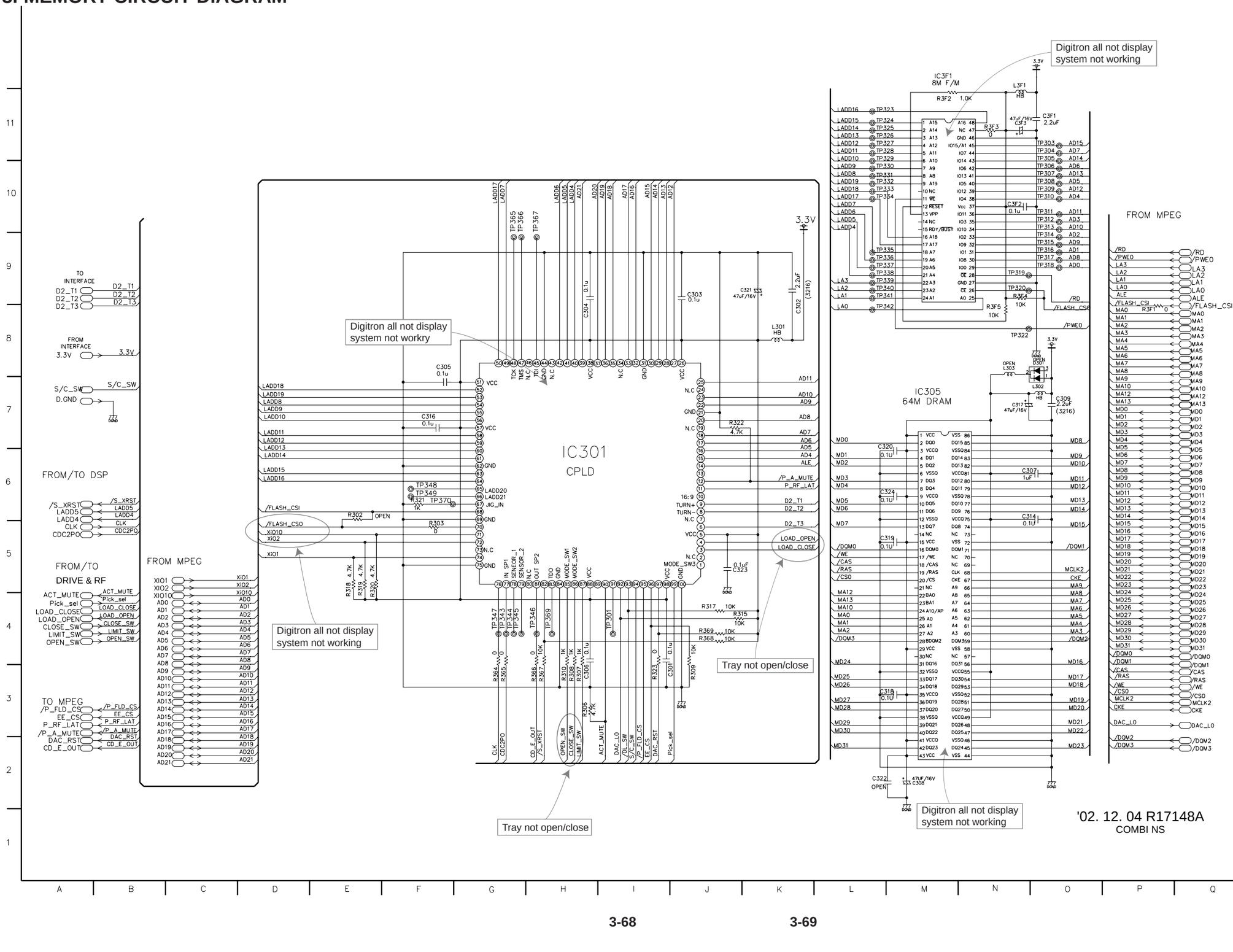



'02. 12. 04 R17147A
COMBI NS

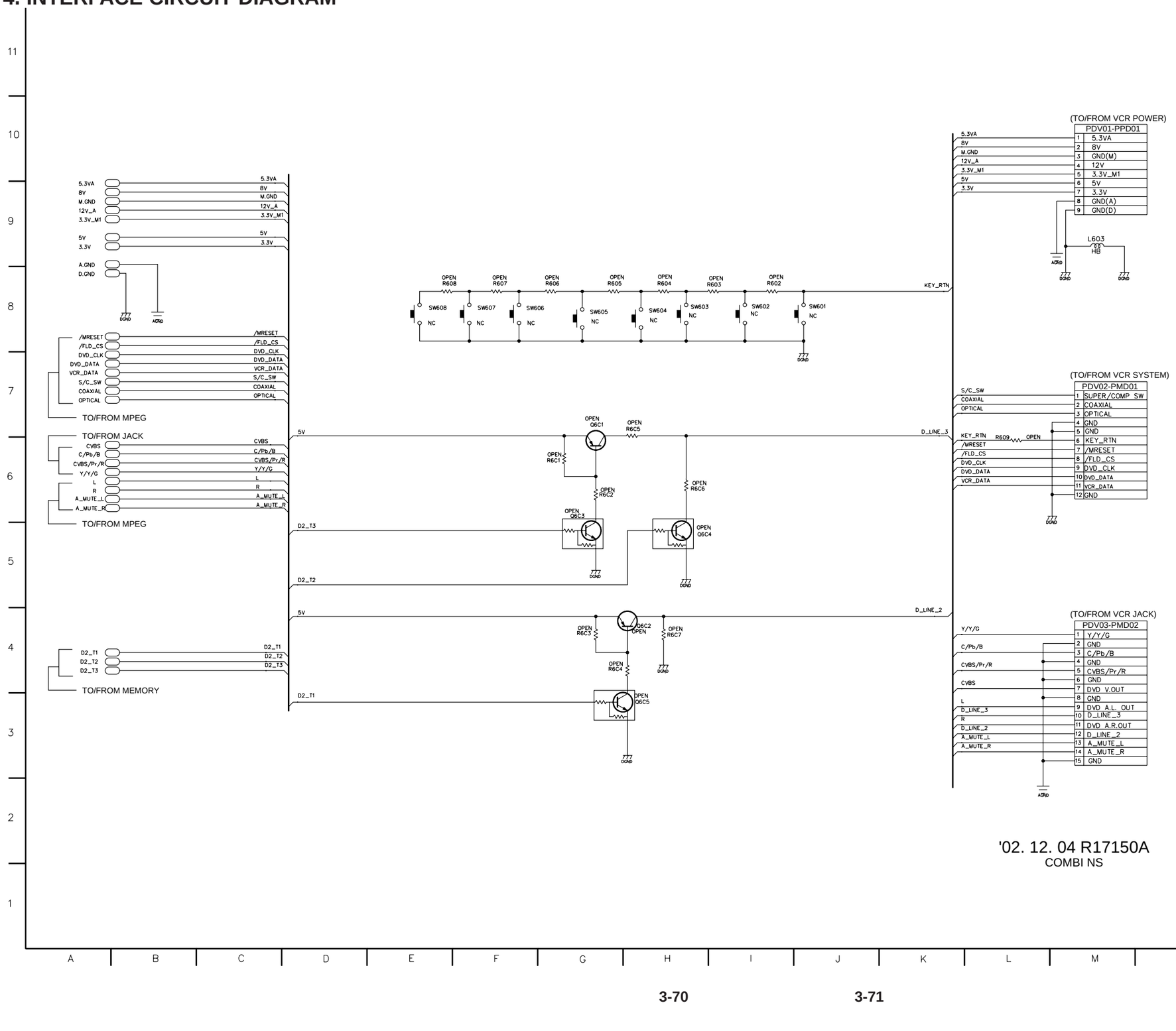
## 2. DRIVE & RF CIRCUIT DIAGRAM



# 3. MEMORY CIRCUIT DIAGRAM

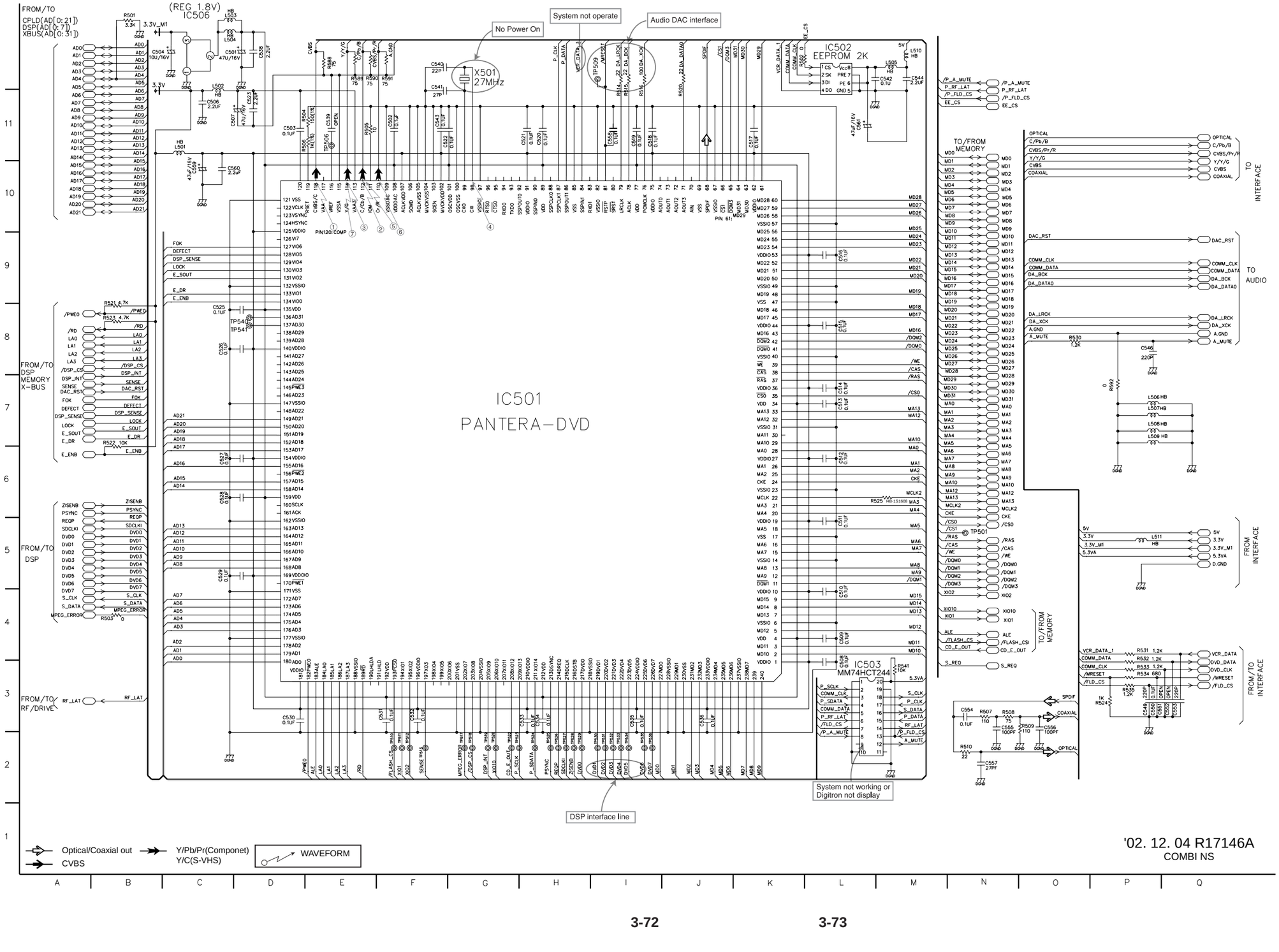


# 4. INTERFACE CIRCUIT DIAGRAM



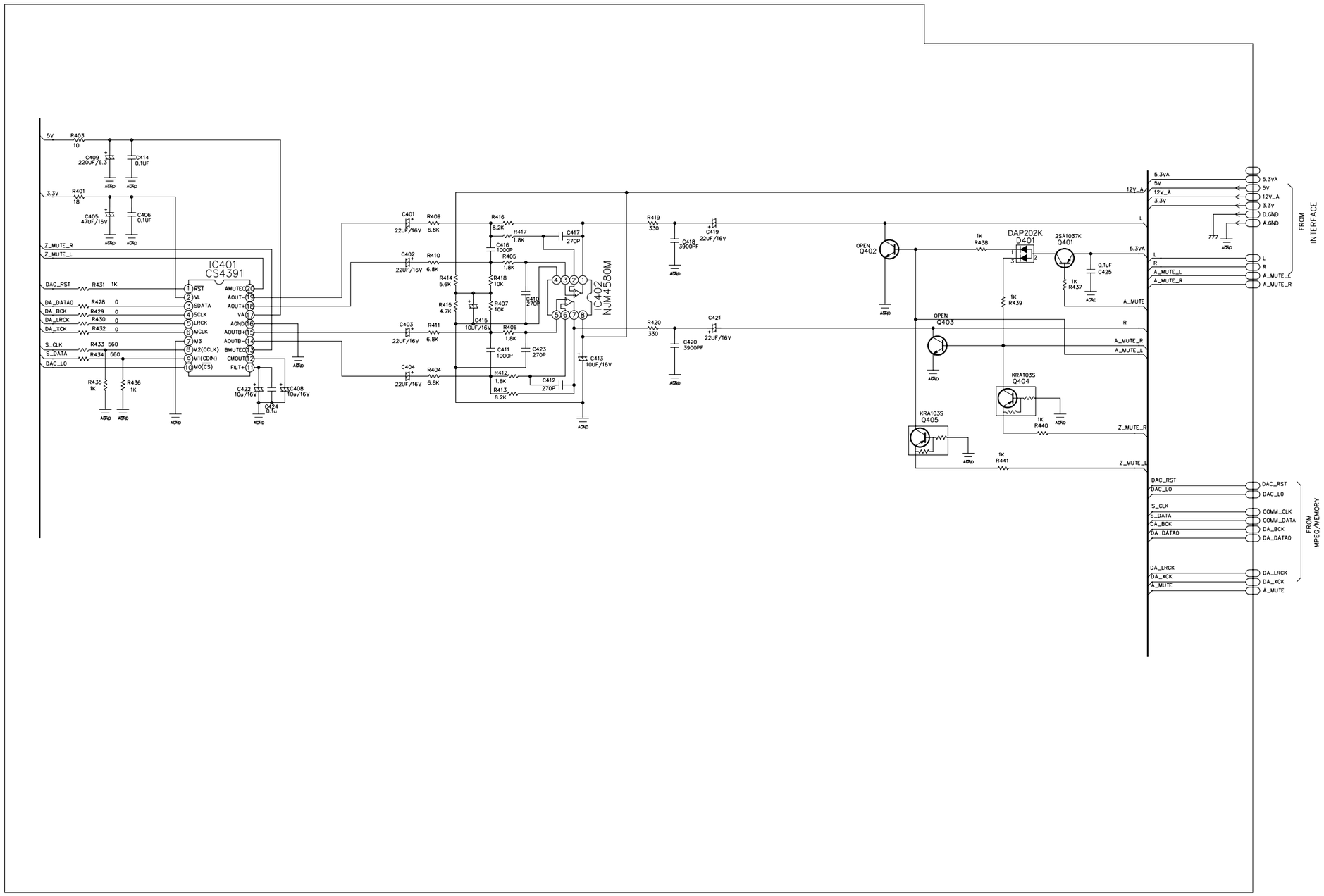

'02. 12. 04 R17150A
COMBI NS

# 5. μ-COM/EXPANDER CIRCUIT DIAGRAM



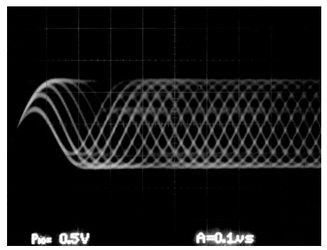

'02. 12. 04 R17146A
COMBI NS

# 6. JACK CIRCUIT DIAGRAM



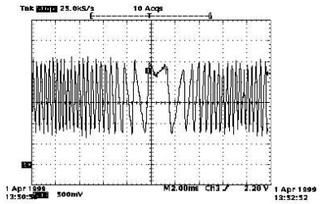
## • WAVEFORMS

①



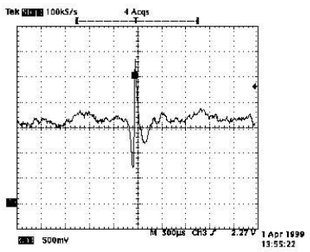

IC2A1
TP2A0

②



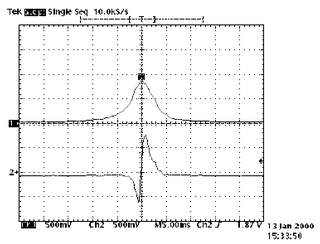
IC2A1 Pin 36
Tracking Error

③



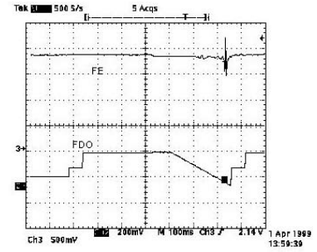
IC2A1 Pin 36
VBR TRACKING Error

④



IC2A1 Pin 39, Focus Error
IC2A1 Pin 38, PE

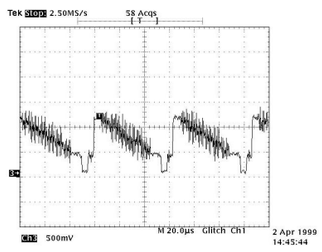
⑤




IC2A1 Pin 39, Focus Error(in Focus Search)
IC201 Pin 48, Focus Drive(FDO)

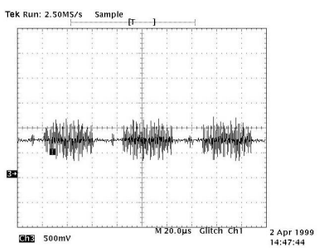


①



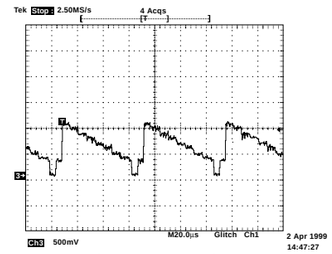
IC501 Pin 118, Composite

②



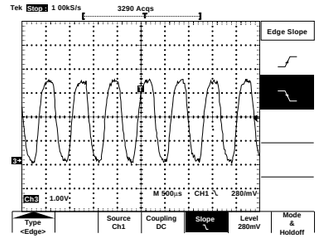
IC501 Pin 112, Chrominance
(Super video out Mode)

③



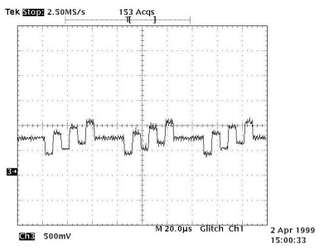
IC501 Pin 114, Luminance
(Super video out Mode)

④



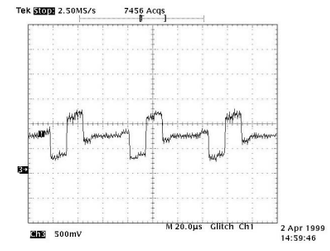

IC501 Pin 98,
MPEG Clock(27MHz)

⑤



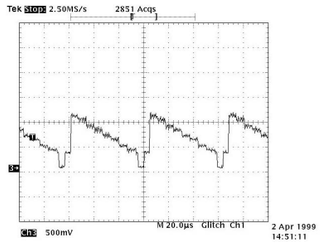
IC501 Pin 112
Component Pb

⑥



IC501 Pin 110
Component Pr

⑦



IC501 Pin 114
Component Y

## • CIRCUIT VOLTAGE CHART

| MODE / PIN NO. | STOP | PLAY |
|---|---|---|
| **DSP** | | |
| **IC201** | | |
| 1 | 3.21 | 3.07 |
| 2 | 3.21 | 3.05 |
| 3 | 3.21 | 3.07 |
| 4 | 3.21 | 3.02 |
| 5 | 3.21 | 3.05 |
| 6 | 3.21 | 3.04 |
| 7 | 3.21 | 3.05 |
| 8 | 3.21 | 3.05 |
| 9 | 0.00 | 3.05 |
| 10 | 3.21 | 0.00 |
| 11 | 3.21 | 3.04 |
| 12 | 3.21 | 0.00 |
| 13 | 3.21 | 0.00 |
| 14 | 3.21 | 0.00 |
| 15 | 3.21 | 3.03 |
| 16 | 3.21 | 3.05 |
| 17 | 3.21 | 3.04 |
| 18 | 3.21 | 0.00 |
| 19 | 3.21 | 0.00 |
| 20 | 3.21 | 0.00 |
| 21 | 3.21 | 0.00 |
| 22 | 0.01 | 0.00 |
| 23 | 0.01 | 0.03 |
| 24 | 3.21 | 0.00 |
| 25 | 3.21 | 0.00 |
| 26 | 0.02 | 0.00 |
| 27 | 0.02 | 0.00 |
| 28 | 0.02 | 0.00 |
| 29 | 0.02 | 0.00 |
| 30 | 0.02 | 0.00 |
| 31 | 0.02 | 0.00 |
| 32 | 0.02 | 0.00 |
| 33 | 3.21 | 0.00 |
| 34 | 3.21 | 0.00 |
| 35 | 3.21 | 3.19 |
| 36 | 0.02 | 0.00 |
| 37 | 1.80 | 0.00 |
| 38 | 0.02 | 0.00 |
| 39 | 0.02 | 0.00 |
| 40 | 0.02 | 0.00 |
| 41 | 1.78 | 0.00 |
| 42 | 0.02 | 1.61 |
| 43 | 0.13 | 0.20 |
| 44 | 1.78 | 1.61 |
| 45 | 0.02 | 2.70 |
| 46 | 0.02 | 2.70 |
| 47 | 0.02 | 2.70 |
| 48 | 1.78 | 1.81 |
| 49 | 3.21 | 3.20 |
| 50 | 0.01 | 0.00 |
| 51 | 0.01 | 1.57 |
| 52 | 0.01 | 1.53 |
| 53 | 0.02 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 54 | 5.72 | 5.18 |
| 55 | 0.02 | 0.00 |
| 56 | 3.21 | 3.21 |
| 57 | 0.02 | 0.00 |
| 58 | 1.80 | 1.59 |
| 59 | 2.38 | 0.00 |
| 60 | 0.02 | 0.00 |
| 61 | 3.21 | 3.01 |
| 62 | 3.21 | 0.00 |
| 63 | 3.21 | 3.21 |
| 64 | 0.02 | 0.00 |
| 65 | 0.02 | 0.00 |
| 66 | 0.87 | 1.19 |
| 67 | 0.01 | 1.90 |
| 68 | 3.21 | 3.21 |
| 69 | 1.07 | 1.55 |
| 70 | 3.21 | 0.00 |
| 71 | 0.02 | 0.00 |
| 72 | 3.21 | 0.00 |
| 73 | 0.02 | 0.00 |
| 74 | 0.02 | 0.00 |
| 75 | 0.87 | 0.00 |
| 76 | 1.59 | 0.00 |
| 77 | 0.87 | 0.00 |
| 78 | 0.87 | 0.78 |
| 79 | 2.36 | 2.15 |
| 80 | 2.86 | 0.00 |
| 81 | 3.24 | 0.00 |
| 82 | 3.24 | 0.00 |
| 83 | 2.19 | 1.97 |
| 84 | 2.39 | 0.00 |
| 85 | 0.00 | 0.00 |
| 86 | 0.00 | 0.00 |
| 87 | 2.19 | 0.00 |
| 88 | 2.38 | 0.00 |
| 89 | 2.18 | 0.00 |
| 90 | 1.80 | 1.62 |
| 91 | 0.92 | 0.00 |
| 92 | 2.69 | 0.00 |
| 93 | 1.77 | 0.00 |
| 94 | 1.81 | 0.00 |
| 95 | 1.53 | 0.00 |
| 96 | 1.83 | 0.00 |
| 97 | 1.81 | 0.00 |
| 98 | 0.00 | 0.00 |
| 99 | 0.00 | 0.00 |
| 100 | 1.81 | 1.63 |
| 101 | 3.21 | 3.24 |
| 102 | 3.21 | 3.25 |
| 103 | 2.28 | 0.00 |
| 104 | 2.28 | 0.00 |
| 105 | 0.90 | 1.48 |
| 106 | 1.30 | 1.67 |
| 107 | 1.59 | 1.59 |
| 108 | 2.00 | 1.65 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 109 | 2.00 | 1.64 |
| 110 | 2.40 | 1.60 |
| 111 | 0.02 | 0.00 |
| 112 | 0.02 | 0.00 |
| 113 | 0.02 | 0.00 |
| 114 | 0.02 | 0.00 |
| 115 | 0.02 | 0.00 |
| 116 | 0.02 | 0.00 |
| 117 | 0.02 | 0.00 |
| 118 | 0.02 | 0.00 |
| 119 | 0.02 | 0.00 |
| 120 | 3.21 | 3.22 |
| 121 | 0.70 | 3.22 |
| 122 | 3.21 | 3.22 |
| 123 | 3.21 | 1.61 |
| 124 | 0.02 | 0.00 |
| 125 | 3.21 | 1.64 |
| 126 | 3.21 | 1.61 |
| 127 | 3.00 | 0.00 |
| 128 | 0.02 | 0.00 |
| 129 | 3.21 | 2.35 |
| 130 | 3.21 | 3.25 |
| 131 | 3.21 | 1.59 |
| 132 | 0.84 | 0.02 |
| 133 | 0.02 | 0.00 |
| 134 | 3.21 | 3.22 |
| 135 | 3.21 | 2.35 |
| 136 | 2.67 | 2.39 |
| 137 | 1.85 | 1.62 |
| 138 | 2.40 | 2.12 |
| 139 | 2.68 | 2.41 |
| 140 | 2.64 | 0.30 |
| 141 | 2.64 | 3.20 |
| 142 | 3.21 | 3.22 |
| 143 | 1.12 | 2.32 |
| 144 | 0.02 | 0.00 |
| 145 | 0.02 | 0.00 |
| 146 | 2.66 | 0.30 |
| 147 | 2.67 | 0.30 |
| 148 | 2.68 | 0.30 |
| 149 | 2.68 | 0.30 |
| 150 | 1.09 | 2.33 |
| 151 | 1.09 | 0.00 |
| 152 | 0.02 | 3.22 |
| 153 | 0.02 | 0.00 |
| 154 | 0.67 | 1.53 |
| 155 | 0.90 | 0.00 |
| 156 | 3.21 | 3.22 |
| 157 | 3.21 | 3.22 |
| 158 | 0.02 | 0.00 |
| 159 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 |
| 161 | 3.02 | 2.70 |
| 162 | 3.21 | 3.24 |
| 163 | 3.21 | 3.24 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 164 | 2.31 | 2.07 |
| 165 | 2.38 | 0.00 |
| 166 | 2.39 | 2.14 |
| 167 | 1.80 | 1.61 |
| 168 | 3.08 | 0.00 |
| 169 | 0.02 | 2.06 |
| 170 | 0.04 | 0.00 |
| 171 | 3.03 | 2.54 |
| 172 | 3.21 | 0.00 |
| 173 | 3.21 | 0.00 |
| 174 | 3.21 | 0.00 |
| 175 | 3.21 | 3.21 |
| 176 | 0.02 | 0.00 |
| 177 | 3.21 | 0.00 |
| 178 | 3.21 | 3.21 |
| 179 | 3.21 | 3.13 |
| 180 | 0.02 | 0.00 |
| 181 | 0.02 | 0.00 |
| 182 | 0.02 | 0.00 |
| 183 | 0.02 | 0.00 |
| 184 | 0.02 | 0.00 |
| 185 | 0.02 | 0.00 |
| 186 | 3.21 | 3.25 |
| 187 | 1.50 | 1.05 |
| 188 | 3.21 | 0.00 |
| 189 | 1.55 | 1.58 |
| 190 | 1.57 | 0.00 |
| 191 | 1.63 | 1.64 |
| 192 | 0.23 | 0.19 |
| 193 | 2.32 | 2.04 |
| 194 | 2.20 | 2.70 |
| 195 | 1.63 | 0.00 |
| 196 | 0.02 | 0.00 |
| 197 | 0.02 | 0.00 |
| 198 | 0.02 | 0.00 |
| 199 | 0.02 | 0.00 |
| 200 | 0.02 | 0.00 |
| 201 | 0.02 | 1.00 |
| 202 | 0.02 | 0.00 |
| 203 | 0.02 | 0.00 |
| 204 | 0.02 | 0.00 |
| 205 | 3.21 | 3.21 |
| 206 | 0.02 | 1.58 |
| 207 | 0.02 | 2.96 |
| 208 | 0.02 | 1.63 |
| **IC206** | | |
| 1 | 2.26 | 2.28 |
| 2 | 0.01 | 0.01 |
| 3 | 0.01 | 0.01 |
| 4 | 0.00 | 0.00 |
| 5 | 5.07 | 5.04 |
| 6 | 1.14 | 1.03 |
| 7 | 2.15 | 2.15 |
| 8 | 5.07 | 5.04 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| **SERVO** | | |
| **IC2A1** | | |
| 1 | 0.00 | 0.00 |
| 2 | 3.24 | 3.02 |
| 3 | 3.24 | 3.01 |
| 4 | 1.85 | 1.99 |
| 5 | 3.35 | 3.17 |
| 6 | 2.63 | 2.43 |
| 7 | 1.10 | 0.30 |
| 8 | 1.10 | 0.30 |
| 9 | 0.00 | 0.80 |
| 10 | 1.24 | 1.18 |
| 11 | 2.54 | 2.27 |
| 12 | 3.38 | 3.13 |
| 13 | 3.34 | 3.09 |
| 14 | 2.52 | 2.70 |
| 15 | 2.64 | 1.95 |
| 16 | 0.01 | 0.14 |
| 17 | 0.02 | 0.00 |
| 18 | 0.01 | 0.00 |
| 19 | 0.01 | 0.00 |
| 20 | 0.01 | 0.00 |
| 21 | 5.41 | 5.01 |
| 22 | 5.41 | 5.01 |
| 23 | 0.02 | 0.00 |
| 24 | 0.01 | 0.00 |
| 25 | 0.01 | 0.00 |
| 26 | 0.03 | 0.00 |
| 27 | 0.01 | 0.00 |
| 28 | 3.51 | 3.24 |
| 29 | 5.58 | 5.16 |
| 30 | 0.02 | 0.00 |
| 31 | 0.03 | 0.00 |
| 32 | 0.04 | 0.00 |
| 33 | 0.03 | 0.00 |
| 34 | 5.44 | 5.01 |
| 35 | 2.45 | 2.27 |
| 36 | 3.40 | 2.51 |
| 37 | 0.78 | 2.37 |
| 38 | 0.53 | 0.00 |
| 39 | 2.40 | 2.17 |
| 40 | 0.00 | 0.22 |
| 41 | 5.44 | 3.66 |
| 42 | 0.00 | 0.00 |
| 43 | 0.00 | 0.00 |
| 44 | 5.45 | 5.01 |
| 45 | 2.47 | 2.29 |
| 46 | 2.47 | 2.29 |
| 47 | 2.47 | 2.42 |
| 48 | 0.02 | 2.42 |
| 49 | 0.01 | 2.27 |
| 50 | 2.47 | 2.43 |
| 51 | 2.47 | 2.44 |
| 52 | 2.48 | 2.38 |
| 53 | 2.47 | 2.29 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 54 | 2.47 | 0.00 |
| 55 | 2.47 | 2.51 |
| 56 | 2.47 | 2.50 |
| 57 | 2.47 | 2.29 |
| 58 | 2.47 | 2.28 |
| 59 | 2.47 | 2.28 |
| 60 | 2.47 | 2.28 |
| 61 | 0.80 | 0.96 |
| 62 | 0.80 | 0.86 |
| 63 | 5.60 | 5.01 |
| 64 | 0.00 | 0.00 |
| **IC2A2** | | |
| 1 | 1.64 | 0 |
| 2 | 1.64 | 1.64 |
| 3 | 1.64 | 1.64 |
| 4 | 0.01 | 0.01 |
| 5 | 1.63 | 2.19 |
| 6 | 1.63 | 2.19 |
| 7 | 1.63 | 2.19 |
| 8 | 5.1 | 5.07 |
| **IC2A4** | | |
| 1 | 0 | 0 |
| 2 | 0.46 | 0.93 |
| 3 | 0.53 | 0.97 |
| 4 | 0 | 0 |
| 5 | 2.27 | 2.26 |
| 6 | 2.28 | 2.27 |
| 7 | 0.29 | 2.37 |
| 8 | 5.09 | 5.05 |
| **IC2M1** | | |
| 1 | 2.30 | 0.00 |
| 2 | 2.32 | 0.00 |
| 3 | 2.31 | 0.00 |
| 4 | 2.28 | 2.15 |
| 5 | 2.32 | 2.15 |
| 6 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 |
| 8 | 2.32 | 2.15 |
| 9 | 2.25 | 2.83 |
| 10 | 2.32 | 2.15 |
| 11 | 2.32 | 2.15 |
| 12 | 2.30 | 2.20 |
| 13 | 2.45 | 2.24 |
| 14 | 2.82 | 0.00 |
| 15 | 2.82 | 0.00 |
| 16 | 0.01 | 0.00 |
| 17 | 2.38 | 1.54 |
| 18 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 |
| 20 | 2.07 | 1.92 |
| 21 | 2.07 | 1.91 |
| 22 | 0.01 | 0.00 |
| 23 | 0.04 | 0.00 |
| 24 | 0.01 | 0.00 |
| 25 | 8.70 | 7.96 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 26 | 4.33 | 0.00 |
| 27 | 4.32 | 4.01 |
| 28 | 4.33 | 4.05 |
| 29 | 4.36 | 3.97 |
| 30 | 0.10 | 0.00 |
| 31 | 0.01 | 0.13 |
| 32 | 4.23 | 4.92 |
| 33 | 4.50 | 0.00 |
| 34 | 0.00 | 0.00 |
| 35 | 1.71 | 0.00 |
| 36 | 1.78 | 4.00 |
| 37 | 1.73 | 4.21 |
| 38 | 1.74 | 3.75 |
| 39 | 1.92 | 0.00 |
| 40 | 1.91 | 7.89 |
| 41 | 0.00 | 0.00 |
| 42 | 0.00 | 0.00 |
| 43 | 0.00 | 0.00 |
| 44 | 0.00 | 0.00 |
| 45 | 1.94 | 0.00 |
| 46 | 2.33 | 2.15 |
| 47 | 2.33 | 0.00 |
| 48 | 2.06 | 2.15 |
| **IC301** | | |
| 1 | 3.17 | 0.38 |
| 2 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 |
| 5 | 3.26 | 3.26 |
| 6 | 3.25 | 3.26 |
| 7 | 0.00 | 0.00 |
| 8 | 3.25 | 3.26 |
| 9 | 0.00 | 0.00 |
| 10 | 0.00 | 3.26 |
| 11 | 0.00 | 0.00 |
| 12 | 3.24 | 3.25 |
| 13 | 3.26 | 3.26 |
| 14 | 0.00 | 0.00 |
| 15 | 0.20 | 0.00 |
| 16 | 2.16 | 2.10 |
| 17 | 1.80 | 2.19 |
| 18 | 1.57 | 2.08 |
| 19 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 |
| 23 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 |
| 25 | 0.00 | 0.00 |
| 26 | 3.25 | 3.26 |
| 27 | 0.00 | 0.00 |
| 28 | 0.00 | 0.00 |
| 29 | 0.00 | 0.00 |
| 30 | 0.00 | 0.00 |
| 31 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 32 | 0.00 | 0.00 |
| 33 | 0.00 | 0.00 |
| 34 | 0.00 | 0.00 |
| 35 | 0.00 | 0.00 |
| 36 | 0.00 | 0.00 |
| 37 | 0.00 | 0.00 |
| 38 | 3.26 | 3.26 |
| 39 | 0.00 | 0.00 |
| 40 | 0.00 | 0.00 |
| 41 | 0.00 | 0.00 |
| 42 | 0.00 | 0.00 |
| 43 | 0.00 | 0.00 |
| 44 | 0.00 | 0.00 |
| 45 | 0.00 | 0.00 |
| 46 | 0.00 | 0.00 |
| 47 | 0.00 | 0.00 |
| 48 | 0.00 | 0.00 |
| 49 | 0.00 | 0.00 |
| 50 | 0.00 | 0.00 |
| 51 | 3.26 | 3.26 |
| 52 | 3.25 | 1.32 |
| 53 | 2.39 | 2.82 |
| 54 | 0.00 | 0.00 |
| 55 | 0.00 | 0.00 |
| 56 | 0.00 | 0.00 |
| 57 | 3.26 | 3.27 |
| 58 | 0.00 | 0.00 |
| 59 | 0.00 | 0.00 |
| 60 | 0.00 | 0.00 |
| 61 | 0.00 | 0.00 |
| 62 | 0.00 | 0.00 |
| 63 | 0.00 | 0.00 |
| 64 | 0.00 | 0.00 |
| 65 | 0.00 | 0.00 |
| 66 | 0.00 | 0.00 |
| 67 | 0.00 | 0.00 |
| 68 | 3.12 | 3.26 |
| 69 | 0.00 | 0.00 |
| 70 | 3.25 | 3.26 |
| 71 | 3.12 | 3.23 |
| 72 | 0.00 | 0.00 |
| 73 | 0.00 | 0.00 |
| 74 | 3.12 | 3.23 |
| 75 | 0.00 | 0.00 |
| 76 | 0.00 | 0.00 |
| 77 | 0.00 | 0.00 |
| 78 | 2.62 | 3.60 |
| 79 | 2.49 | 2.76 |
| 80 | 0.00 | 0.00 |
| 81 | 0.00 | 0.00 |
| 82 | 3.26 | 3.26 |
| 83 | 0.00 | 0.00 |
| 84 | 0.00 | 0.00 |
| 85 | 5.06 | 5.04 |
| 86 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 87 | 0.00 | 0.00 |
| 88 | 3.26 | 3.26 |
| 89 | 3.18 | 3.31 |
| 90 | 3.25 | 3.26 |
| 91 | 0.00 | 2.26 |
| 92 | 3.26 | 3.26 |
| 93 | 3.26 | 3.26 |
| 94 | 0.00 | 0.00 |
| 95 | 1.69 | 1.68 |
| 96 | 0.00 | 0.00 |
| 97 | 3.26 | 3.26 |
| 98 | 3.26 | 3.26 |
| 99 | 5.05 | 5.04 |
| 100 | 0.00 | 0.00 |
| **MPEG** | | |
| **IC501** | | |
| 1 | 3.23 | 3.21 |
| 2 | 0.63 | 0.00 |
| 3 | 0.53 | 0.00 |
| 4 | 1.76 | 1.76 |
| 5 | 3.23 | 0.68 |
| 6 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 |
| 8 | 0.48 | 0.64 |
| 9 | 0.40 | 0.63 |
| 10 | 3.23 | 3.21 |
| 11 | 0.00 | 0.00 |
| 12 | 0.05 | 0.13 |
| 13 | 0.08 | 0.14 |
| 14 | 0.00 | 0.00 |
| 15 | 1.61 | 1.75 |
| 16 | 0.00 | 1.57 |
| 17 | 0.00 | 0.00 |
| 18 | 1.61 | 1.76 |
| 19 | 3.23 | 3.21 |
| 20 | 0.99 | 1.48 |
| 21 | 1.68 | 1.64 |
| 22 | 2.75 | 2.83 |
| 23 | 0.00 | 1.35 |
| 24 | 3.23 | 3.21 |
| 25 | 1.60 | 1.75 |
| 26 | 1.54 | 1.33 |
| 27 | 3.23 | 3.21 |
| 28 | 1.86 | 0.38 |
| 29 | 0.04 | 0.35 |
| 30 | 0.05 | 0.09 |
| 31 | 0.00 | 0.80 |
| 32 | 2.43 | 2.00 |
| 33 | 0.84 | 0.84 |
| 34 | 1.76 | 1.76 |
| 35 | 2.90 | 2.89 |
| 36 | 3.23 | 7.21 |
| 37 | 3.18 | 0.50 |
| 38 | 0.32 | 0.30 |
| 39 | 3.21 | 3.22 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 40 | 0.00 | 0.00 |
| 41 | 0.00 | 0.00 |
| 42 | 0.06 | 0.00 |
| 43 | 2.94 | 0.00 |
| 44 | 3.23 | 3.23 |
| 45 | 1.14 | 0.05 |
| 46 | 0.69 | 0.04 |
| 47 | 0.00 | 0.00 |
| 48 | 0.60 | 0.28 |
| 49 | 0.00 | 0.00 |
| 50 | 0.74 | 0.79 |
| 51 | 0.50 | 0.67 |
| 52 | 0.49 | 0.80 |
| 53 | 3.23 | 3.23 |
| 54 | 0.42 | 0.90 |
| 55 | 1.30 | 0.64 |
| 56 | 0.48 | 0.45 |
| 57 | 0.00 | 0.00 |
| 58 | 0.55 | 0.62 |
| 59 | 0.67 | 0.60 |
| 60 | 1.11 | 0.69 |
| 61 | 0.58 | 0.18 |
| 62 | 3.23 | 3.22 |
| 63 | 0.50 | 0.24 |
| 64 | 0.30 | 0.73 |
| 65 | 0.00 | 0.00 |
| 66 | 0.48 | 1.68 |
| 67 | 0.00 | 0.40 |
| 68 | 0.00 | 1.56 |
| 69 | 0.00 | 0.00 |
| 70 | 0.45 | 0.59 |
| 71 | 0.00 | 1.21 |
| 72 | 0.00 | 1.23 |
| 73 | 0.00 | 1.21 |
| 74 | 3.23 | 1.22 |
| 75 | 3.23 | 3.22 |
| 76 | 1.56 | 1.56 |
| 77 | 1.76 | 1.76 |
| 78 | 1.61 | 1.61 |
| 79 | 1.62 | 1.62 |
| 80 | 3.23 | 3.21 |
| 81 | 2.92 | 2.92 |
| 82 | 0.00 | 0.00 |
| 83 | 0.39 | 0.50 |
| 84 | 0.00 | 1.25 |
| 85 | 0.00 | 0.00 |
| 86 | 0.00 | 0.00 |
| 87 | 3.23 | 3.20 |
| 88 | 3.23 | 3.22 |
| 89 | 1.76 | 1.75 |
| 90 | 0.07 | 0.40 |
| 91 | 3.23 | 3.21 |
| 92 | 0.00 | 0.00 |
| 93 | 3.23 | 3.22 |
| 94 | 0.09 | 0.36 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 95 | 0.16 | 0.37 |
| 96 | 3.23 | 3.21 |
| 97 | 0.00 | 0.00 |
| 98 | 0.92 | 0.92 |
| 99 | 0.98 | 0.96 |
| 100 | 0.00 | 0.00 |
| 101 | 1.76 | 1.75 |
| 102 | 3.23 | 3.21 |
| 103 | 0.00 | 0.00 |
| 104 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 |
| 107 | 3.23 | 3.21 |
| 108 | 1.76 | 1.76 |
| 109 | 0.00 | 0.00 |
| 110 | 0.19 | 1.32 |
| 111 | 0.83 | 0.90 |
| 112 | 3.21 | 3.21 |
| 113 | 0.91 | 3.20 |
| 114 | 0.00 | 0.59 |
| 115 | 0.00 | 0.00 |
| 116 | 1.28 | 1.28 |
| 117 | 1.10 | 0.31 |
| 118 | 0.45 | 0.24 |
| 119 | 1.28 | 1.28 |
| 120 | 1.97 | 0.00 |
| 121 | 0.00 | 0.00 |
| 122 | 0.00 | 0.00 |
| 123 | 0.53 | 0.72 |
| 124 | 0.57 | 0.72 |
| 125 | 3.23 | 3.23 |
| 126 | 1.83 | 0.72 |
| 127 | 0.00 | 3.23 |
| 128 | 3.22 | 0.00 |
| 129 | 0.00 | 0.00 |
| 130 | 1.75 | 1.41 |
| 131 | 0.00 | 0.00 |
| 132 | 0.00 | 0.00 |
| 133 | 0.00 | 3.21 |
| 134 | 3.23 | 0.00 |
| 135 | 1.76 | 1.75 |
| 136 | 0.00 | 0.00 |
| 137 | 0.00 | 0.00 |
| 138 | 0.00 | 0.00 |
| 139 | 0.00 | 0.00 |
| 140 | 3.27 | 3.21 |
| 141 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 |
| 143 | 0.00 | 0.00 |
| 144 | 0.00 | 0.00 |
| 145 | 3.23 | 3.21 |
| 146 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 |
| 149 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 150 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 |
| 154 | 3.23 | 3.22 |
| 155 | 0.00 | 0.00 |
| 156 | 3.23 | 3.21 |
| 157 | 0.00 | 0.00 |
| 158 | 1.75 | 0.00 |
| 159 | 1.76 | 1.76 |
| 160 | 1.84 | 1.84 |
| 161 | 3.23 | 3.21 |
| 162 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 |
| 166 | 0.00 | 0.00 |
| 167 | 0.00 | 0.00 |
| 168 | 0.00 | 0.00 |
| 169 | 3.23 | 3.21 |
| 170 | 3.23 | 3.21 |
| 171 | 0.00 | 0.00 |
| 172 | 0.00 | 1.00 |
| 173 | 1.00 | 1.12 |
| 174 | 0.99 | 1.14 |
| 175 | 0.19 | 0.19 |
| 176 | 0.94 | 1.71 |
| 177 | 0.00 | 0.00 |
| 178 | 0.98 | 1.77 |
| 179 | 0.98 | 1.79 |
| 180 | 0.97 | 1.04 |
| 181 | 3.23 | 3.22 |
| 182 | 3.23 | 3.22 |
| 183 | 0.00 | 0.00 |
| 184 | 0.00 | 0.72 |
| 185 | 3.23 | 0.22 |
| 186 | 3.23 | 2.44 |
| 187 | 0.00 | 0.00 |
| 188 | 0.00 | 0.00 |
| 189 | 1.83 | 3.22 |
| 190 | 0.00 | 0.00 |
| 191 | 1.74 | 0.00 |
| 192 | 1.76 | 0.36 |
| 193 | 3.23 | 3.23 |
| 194 | 3.29 | 0.00 |
| 195 | 3.30 | 0.00 |
| 196 | 3.23 | 0.11 |
| 197 | 3.12 | 0.00 |
| 198 | 0.00 | 3.23 |
| 199 | 0.00 | 3.22 |
| 200 | 0.18 | 3.22 |
| 201 | 0.00 | 0.00 |
| 202 | 0.17 | 3.22 |
| 203 | 0.13 | 3.22 |
| 204 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 205 | 0.10 | 3.23 |
| 206 | 0.00 | 0.00 |
| 207 | 0.18 | 3.22 |
| 208 | 0.14 | 0.00 |
| 209 | 0.18 | 3.22 |
| 210 | 3.23 | 3.21 |
| 211 | 0.18 | 3.22 |
| 212 | 1.76 | 1.24 |
| 213 | 0.11 | 3.22 |
| 214 | 0.18 | 2.85 |
| 215 | 0.10 | 1.61 |
| 216 | 0.10 | 3.22 |
| 217 | 0.10 | 3.22 |
| 218 | 0.00 | 0.00 |
| 219 | 0.05 | 0.00 |
| 220 | 0.39 | 3.10 |
| 221 | 0.00 | 3.09 |
| 222 | 0.18 | 3.10 |
| 223 | 0.10 | 0.00 |
| 224 | 3.23 | 3.21 |
| 225 | 0.00 | 0.13 |
| 226 | 0.00 | 0.14 |
| 227 | 0.00 | 0.73 |
| 228 | 0.00 | 0.00 |
| 229 | 0.00 | 0.49 |
| 230 | 0.00 | 0.00 |
| 231 | 0.00 | 0.67 |
| 232 | 0.06 | 0.62 |
| 233 | 3.23 | 3.22 |
| 234 | 0.06 | 0.80 |
| 235 | 0.06 | 0.58 |
| 236 | 0.07 | 0.45 |
| 237 | 0.00 | 0.00 |
| 238 | 0.06 | 0.83 |
| 239 | 0.06 | 1.47 |
| 240 | 0.06 | 1.44 |

**AUDIO**

**IC401**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 3.25 | 3.26 |
| 2 | 3.25 | 3.26 |
| 3 | 0.00 | 0.00 |
| 4 | 1.57 | 1.57 |
| 5 | 1.58 | 1.58 |
| 6 | 1.54 | 1.55 |
| 7 | 0.00 | 0.00 |
| 8 | 3.23 | 3.26 |
| 9 | 0.75 | 0.00 |
| 10 | 3.26 | 3.26 |
| 11 | 4.79 | 0.03 |
| 12 | 2.27 | 0.03 |
| 13 | 0.27 | 4.66 |
| 14 | 2.32 | 2.29 |
| 15 | 2.30 | 2.27 |
| 16 | 0.00 | 0.00 |
| 17 | 4.88 | 4.82 |

| PIN NO. | EE | PLAY |
|---|---|---|
| 18 | 2.30 | 2.28 |
| 19 | 2.33 | 2.29 |
| 20 | 0.27 | 4.66 |

**IC402**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 5.40 | 5.40 |
| 2 | 5.41 | 5.40 |
| 3 | 5.40 | 5.40 |
| 4 | 0.00 | 0.00 |
| 5 | 5.40 | 5.40 |
| 6 | 5.41 | 0.00 |
| 7 | 5.42 | 0.00 |
| 8 | 11.39 | 11.96 |

**MEMORY**

**IC203**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 3.27 | 3.05 |
| 2 | 3.25 | 3.01 |
| 3 | 3.25 | 3.02 |
| 4 | 0.00 | 0.00 |
| 5 | 0.05 | 3.02 |
| 6 | 0.05 | 3.02 |
| 7 | 0.00 | 3.25 |
| 8 | 0.05 | 3.02 |
| 9 | 0.05 | 3.06 |
| 10 | 0.00 | 0.00 |
| 11 | 0.05 | 3.08 |
| 12 | 0.05 | 3.01 |
| 13 | 0.00 | 3.23 |
| 14 | 0.00 | 0.00 |
| 15 | 0.05 | 3.19 |
| 16 | 0.05 | 3.19 |
| 17 | 0.05 | 3.18 |
| 18 | 0.00 | 0.00 |
| 19 | 0.05 | 0.00 |
| 20 | 0.05 | 3.17 |
| 21 | 0.05 | 0.00 |
| 22 | 0.05 | 0.00 |
| 23 | 0.05 | 0.00 |
| 24 | 0.05 | 0.03 |
| 25 | 0.00 | 3.25 |
| 26 | 0.00 | 0.00 |
| 27 | 0.05 | 0.03 |
| 28 | 0.05 | 0.03 |
| 29 | 0.05 | 0.03 |
| 30 | 0.05 | 0.03 |
| 31 | 0.05 | 0.03 |
| 32 | 0.00 | 0.03 |
| 33 | 0.00 | 0.00 |
| 34 | 0.00 | 3.25 |
| 35 | 0.05 | 1.62 |
| 36 | 0.05 | 0.01 |
| 37 | 0.00 | 0.00 |
| 38 | 0.00 | 3.25 |
| 39 | 0.05 | 3.05 |
| 40 | 0.05 | 3.05 |
| 41 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 42 | 0.05 | 3.05 |
| 43 | 0.00 | 3.04 |
| 44 | 0.00 | 3.25 |
| 45 | 0.00 | 3.05 |
| 46 | 0.00 | 3.04 |
| 47 | 0.00 | 0.00 |
| 48 | 0.00 | 3.04 |
| 49 | 0.05 | 3.04 |
| 50 | 0.00 | 0.00 |

**IC3F1**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 |
| 9 | 2.38 | 2.78 |
| 10 | 0.00 | 0.00 |
| 11 | 0.00 | 3.23 |
| 12 | 3.26 | 3.26 |
| 13 | 3.26 | 3.26 |
| 14 | 0.00 | 0.00 |
| 15 | 0.00 | 0.00 |
| 16 | 3.26 | 1.40 |
| 17 | 0.00 | 0.00 |
| 18 | 0.00 | 0.00 |
| 19 | 0.00 | 0.00 |
| 20 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 |
| 22 | 0.00 | 0.00 |
| 23 | 0.00 | 0.00 |
| 24 | 0.00 | 1.76 |
| 25 | 3.23 | 3.15 |
| 26 | 3.26 | 3.26 |
| 27 | 0.00 | 0.00 |
| 28 | 3.23 | 3.22 |
| 29 | 1.98 | 1.76 |
| 30 | 0.00 | 0.00 |
| 31 | 1.91 | 1.90 |
| 32 | 0.00 | 0.00 |
| 33 | 1.45 | 1.65 |
| 34 | 0.00 | 0.00 |
| 35 | 1.45 | 1.90 |
| 36 | 0.00 | 0.00 |
| 37 | 3.26 | 3.26 |
| 38 | 0.19 | 0.19 |
| 39 | 0.00 | 0.00 |
| 40 | 2.09 | 2.16 |
| 41 | 0.00 | 0.00 |
| 42 | 1.19 | 2.19 |
| 43 | 0.00 | 0.00 |
| 44 | 1.95 | 2.11 |
| 45 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 46 | 0.00 | 0.00 |
| 47 | 3.26 | 3.26 |
| 48 | 0.00 | 0.00 |

**IC305**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 3.23 | 3.23 |
| 2 | 0.52 | 0.62 |
| 3 | 0.11 | 3.22 |
| 4 | 0.30 | 0.57 |
| 5 | 0.60 | 0.76 |
| 6 | 0.00 | 0.00 |
| 7 | 0.47 | 0.00 |
| 8 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 |
| 10 | 0.40 | 0.00 |
| 11 | 0.39 | 0.00 |
| 12 | 0.00 | 0.00 |
| 13 | 0.42 | 0.00 |
| 14 | 0.48 | 0.00 |
| 15 | 3.24 | 3.25 |
| 16 | 0.11 | 0.00 |
| 17 | 0.10 | 3.16 |
| 18 | 0.09 | 0.00 |
| 19 | 0.05 | 0.00 |
| 20 | 0.00 | 0.00 |
| 21 | 0.00 | 0.00 |
| 22 | 0.00 | 3.16 |
| 23 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 |
| 25 | 1.81 | 3.16 |
| 26 | 1.50 | 3.16 |
| 27 | 1.54 | 3.20 |
| 28 | 0.00 | 3.16 |
| 29 | 3.24 | 0.00 |
| 30 | 0.00 | 0.00 |
| 31 | 0.63 | 0.00 |
| 32 | 0.00 | 3.16 |
| 33 | 0.45 | 0.00 |
| 34 | 0.95 | 1.79 |
| 35 | 3.23 | 0.00 |
| 36 | 0.69 | 3.20 |
| 37 | 1.10 | 0.00 |
| 38 | 0.00 | 0.00 |
| 39 | 0.64 | 0.00 |
| 40 | 0.54 | 0.00 |
| 41 | 3.24 | 3.25 |
| 42 | 0.55 | 0.00 |
| 43 | 3.23 | 3.25 |
| 44 | 0.00 | 0.00 |
| 45 | 0.29 | 0.00 |
| 46 | 0.30 | 0.00 |
| 47 | 0.40 | 0.00 |
| 48 | 0.62 | 0.00 |
| 49 | 0.65 | 3.26 |
| 50 | 0.62 | 0.00 |
| 51 | 0.45 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 52 | 0.00 | 0.00 |
| 53 | 0.57 | 0.00 |
| 54 | 0.34 | 0.00 |
| 55 | 0.28 | 3.25 |
| 56 | 0.52 | 0.00 |
| 57 | 0.00 | 0.02 |
| 58 | 0.00 | 0.00 |
| 59 | 0.00 | 0.00 |
| 60 | 1.64 | 0.00 |
| 61 | 0.95 | 0.00 |
| 62 | 0.95 | 3.16 |
| 63 | 1.49 | 0.00 |
| 64 | 1.61 | 3.16 |
| 65 | 0.00 | 0.00 |
| 66 | 0.00 | 0.00 |
| 67 | 3.14 | 3.16 |
| 68 | 2.26 | 0.00 |
| 69 | 0.00 | 0.00 |
| 70 | 0.00 | 0.00 |
| 71 | 0.00 | 0.00 |
| 72 | 0.00 | 0.00 |
| 73 | 0.00 | 0.00 |
| 74 | 0.30 | 0.00 |
| 75 | 3.24 | 3.26 |
| 76 | 0.39 | 0.00 |
| 77 | 0.40 | 0.00 |
| 78 | 0.00 | 0.00 |
| 79 | 0.66 | 0.00 |
| 80 | 0.46 | 0.00 |
| 81 | 3.24 | 3.26 |
| 82 | 0.59 | 0.00 |
| 83 | 0.31 | 0.00 |
| 84 | 0.00 | 0.00 |
| 85 | 0.53 | 0.00 |
| 86 | 0.00 | 0.00 |

**ETC**

**IC502**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 0.00 | 0.00 |
| 2 | 5.05 | 5.05 |
| 3 | 1.18 | 0.62 |
| 4 | 0.72 | 1.69 |
| 5 | 0.00 | 0.00 |
| 6 | 5.06 | 5.04 |
| 7 | 0.00 | 0.00 |
| 8 | 5.06 | 5.04 |

**IC503**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 0.00 | 0.00 |
| 2 | 3.13 | 3.12 |
| 3 | 5.05 | 5.05 |
| 4 | 0.00 | 3.12 |
| 5 | 0.00 | 0.64 |
| 6 | 0.00 | 0.00 |
| 7 | 2.67 | 2.65 |
| 8 | 0.00 | 3.24 |
| 9 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| 10 | 0.00 | 0.00 |
| 11 | 0.52 | 1.67 |
| 12 | 0.50 | 5.18 |
| 13 | 1.70 | 1.70 |
| 14 | 0.00 | 0.00 |
| 15 | 0.82 | 0.38 |
| 16 | 0.00 | 5.17 |
| 17 | 3.11 | 3.11 |
| 18 | 5.18 | 5.17 |
| 19 | 0.00 | 0.00 |
| 20 | 5.18 | 5.18 |

**IC506**

| PIN NO. | EE | PLAY |
|---|---|---|
| 1 | 3.25 | 3.25 |
| 2 | 0.00 | 0.00 |
| 3 | 1.81 | 1.81 |

| MODE / PIN NO. | STOP | PLAY |
|---|---|---|

**CONNECTOR**

**PDV02**

| PIN NO. | STOP | PLAY |
|---|---|---|
| 1 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 |
| 3 | 1.55 | 1.55 |
| 4 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 |
| 7 | 4.92 | 4.92 |
| 8 | 5.20 | 5.20 |
| 9 | 5.06 | 5.06 |
| 10 | 0.00 | 0.00 |
| 11 | 1.12 | 1.16 |
| 12 | 0.00 | 0.00 |

**PDV03**

| PIN NO. | STOP | PLAY |
|---|---|---|
| 1 | 0.87 | 0.65 |
| 2 | 0.00 | 0.00 |
| 3 | 1.44 | 0.00 |
| 4 | 0.00 | 0.00 |
| 5 | 1.28 | 1.32 |
| 6 | 0.00 | 0.00 |
| 7 | 0.43 | 0.28 |
| 8 | 0.00 | 0.00 |
| 9 | 0.00 | 0.32 |
| 10 | 0.00 | 2.52 |
| 11 | 0.00 | 0.00 |
| 12 | 0.00 | 0.00 |
| 13 | 0.00 | 0.00 |
| 14 | 0.75 | 1.38 |
| 15 | 0.26 | 0.47 |

**PMD02**

| PIN NO. | STOP | PLAY |
|---|---|---|
| 1 | 5.10 | 5.07 |
| 2 | 1.37 | 2.20 |
| 3 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 |
| 7 | 2.28 | 2.27 |
| 8 | 5.10 | 5.07 |
| 9 | 2.28 | 2.49 |
| 10 | 2.28 | 2.50 |
| 11 | 2.29 | 2.39 |
| 12 | 2.29 | 2.40 |
| 13 | 2.29 | 2.39 |
| 14 | 2.29 | 2.40 |
| 15 | 3.96 | 4.22 |
| 16 | 4.00 | 4.01 |
| 17 | 3.97 | 3.97 |
| 18 | 3.99 | 3.82 |
| 19 | 5.10 | 5.07 |
| 20 | 0.00 | 0.00 |
| 21 | 0.00 | 1.82 |
| 22 | 0.00 | 0.23 |
| 23 | 0.00 | 0.00 |

**PMD03**

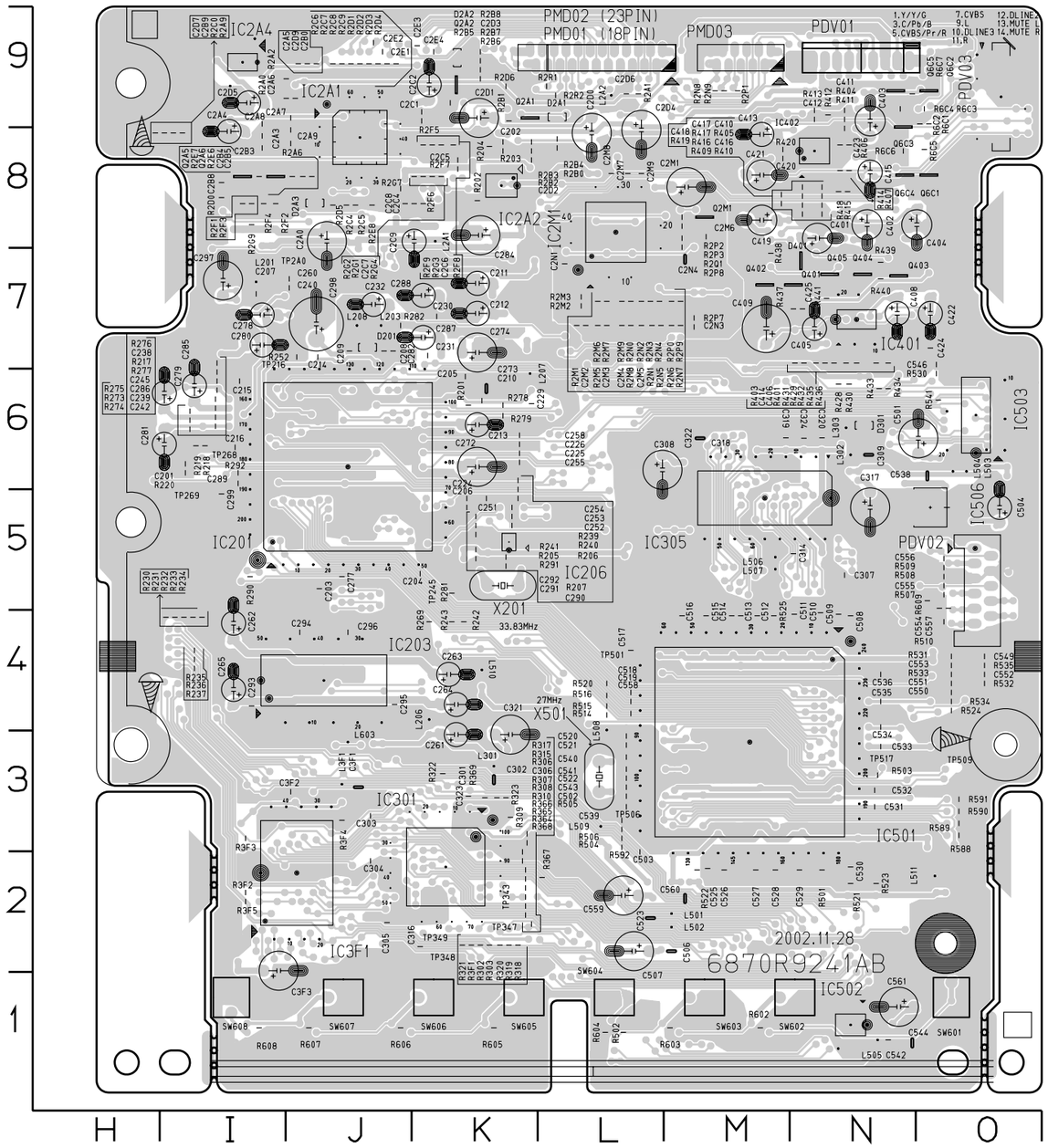
| PIN NO. | STOP | PLAY |
|---|---|---|
| 1 | 1.21 | 5.04 |
| 2 | 1.21 | 3.00 |
| 3 | 4.01 | 4.06 |
| 4 | 3.97 | 3.93 |
| 5 | 3.97 | 4.02 |
| 6 | 3.97 | 4.02 |
| 7 | 0.00 | 5.07 |
| 8 | 5.10 | 0.00 |
| 9 | 0.00 | 0.00 |
| 10 | 5.10 | 5.07 |
| 11 | 0.00 | 0.00 |

| MODE / PIN NO. | EE | PLAY |
|---|---|---|
| **CAPACITOR** | | |
| C3F3 | 3.25 | |
| C293 | 3.25 | |
| C262 | 3.25 | |
| C281 | 1.60 | |
| C279 | 2.14 | |
| C285 | 2.07 | |
| C297 | 3.25 | |
| C280 | 2.71 | |
| C278 | 2.13 | |
| C208 | 3.25 | |
| C240 | 5.02 | |
| C232 | 3.23 | |
| C231 | 2.07 | |
| C288 | 2.06 | |
| C2C9 | 5.02 | |
| C284 | 3.24 | |
| C211 | 1.62 | |
| C212 | 0.82 | |
| C274 | 3.25 | |
| C213 | 2.42 | |
| C272 | 2.15 | |
| C263 | 3.25 | |
| C264 | 3.25 | |
| C261 | 3.25 | |
| C321 | 3.25 | |
| C2D5 | 2.26 | |
| C2A4 | 5.02 | |
| C2C2 | 2.27 | |
| C2D1 | 5.02 | |
| C507 | 3.19 | |
| C539 | 3.19 | |
| C561 | 5.04 | |
| C504 | 3.25 | |
| C308 | 3.24 | |
| C317 | 3.24 | |
| C309 | 1.79 | |
| C409 | 4.86 | |
| C405 | 3.25 | |
| C408 | 2.22 | |
| C422 | 4.78 | |
| C404 | 5.40 | |
| C402 | 5.39 | |
| C401 | 5.40 | |
| C419 | 5.41 | |
| C420 | 5.40 | |
| C415 | 5.40 | |
| C403 | 5.39 | |
| C413 | 11.97 | |
| C2M1 | 7.94 | |
| C2D4 | 5.04 | |
| C2M8 | 5.02 | |
| | | |
| | | |
| | | |

| MODE / PIN NO. | STOP | PLAY |
|---|---|---|
| **Q2A1** | | |
| E | 5.09 | 5.05 |
| B | 5.09 | 5.24 |
| C | 0.00 | 0.00 |
| **Q2A2** | | |
| E | 5.07 | 0.00 |
| B | 5.07 | 0.00 |
| C | 0.00 | 1.82 |
| **Q2A5** | | |
| E | 2.83 | 2.36 |
| B | 3.21 | 3.12 |
| C | 5.09 | 3.84 |
| **Q2A6** | | |
| E | 2.29 | 2.43 |
| B | 3.11 | 3.20 |
| C | 2.70 | 3.66 |
| **Q2M1** | | |
| E | 0.00 | 0.00 |
| B | 0.00 | 0.00 |
| C | 3.26 | 3.23 |
| **Q401** | | |
| E | 5.17 | 5.17 |
| B | 4.48 | 0.00 |
| C | 5.17 | 0.00 |
| **Q404** | | |
| E | 1.55 | 0.00 |
| B | 0.00 | 0.00 |
| C | 0.75 | 0.00 |
| **Q405** | | |
| E | 1.56 | 0.00 |
| B | 0.00 | 0.00 |
| C | 0.75 | 0.00 |

# PRINTED CIRCUIT DIAGRAMS

## 1. MAIN P.C.BOARD (TOP VIEW)

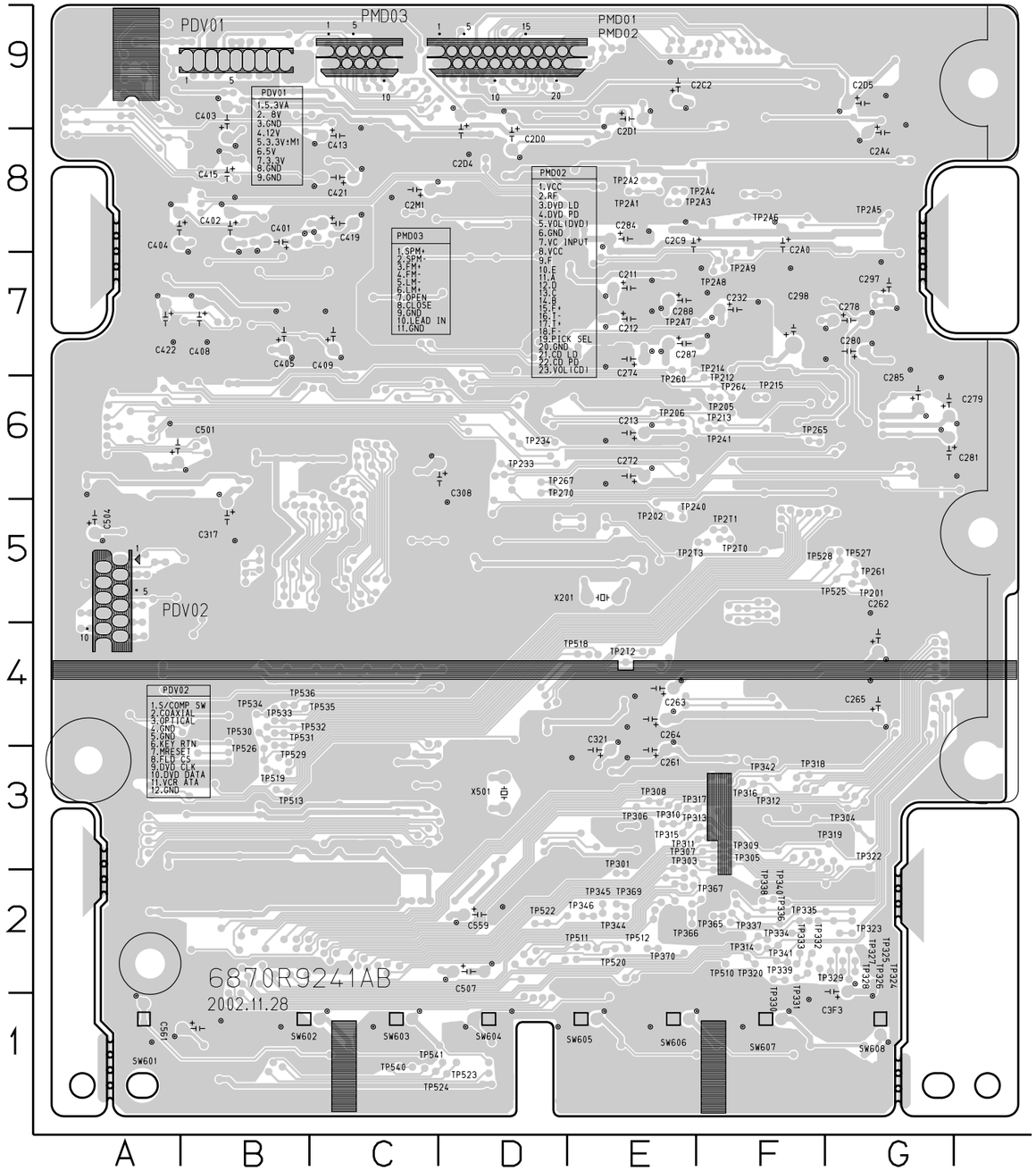





## LOCATION GUIDE

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C201 | I6 | C293 | I4 | C305 | J2 | C518 | L4 | IC502 | N1 | R230 | I4 | R2F1 | I8 | R364 | K2 | R522 | M2 |
| C202 | K8 | C294 | J4 | C306 | K2 | C519 | L4 | IC503 | O6 | R231 | I4 | R2F2 | I8 | R365 | K2 | R523 | N2 |
| C203 | J5 | C295 | J4 | C307 | N5 | C520 | L3 | IC506 | O5 | R232 | I4 | R2F3 | I8 | R366 | K2 | R524 | O4 |
| C204 | K5 | C296 | J4 | C308 | L6 | C521 | L3 | L201 | I7 | R233 | I4 | R2F4 | I8 | R367 | L2 | R525 | M4 |
| C205 | K6 | C297 | I7 | C309 | N6 | C522 | L3 | L203 | J7 | R234 | I4 | R2F5 | K9 | R368 | K2 | R530 | O6 |
| C206 | K5 | C298 | J7 | C314 | N5 | C523 | L2 | L206 | K4 | R235 | I4 | R2F6 | K8 | R369 | K3 | R531 | O4 |
| C207 | I7 | C299 | I5 | C316 | K2 | C525 | M2 | L207 | K6 | R236 | I4 | R2F7 | K8 | R3F1 | K2 | R532 | O4 |
| C208 | J7 | C2A0 | J8 | C317 | N5 | C526 | M2 | L208 | J7 | R237 | I4 | R2F8 | K8 | R3F2 | I2 | R533 | O4 |
| C209 | J7 | C2A3 | I8 | C318 | M6 | C527 | M2 | L2A1 | K8 | R239 | K5 | R2F9 | K8 | R3F3 | I3 | R534 | O4 |
| C210 | K6 | C2A4 | I8 | C319 | M6 | C528 | M2 | L2A2 | L9 | R240 | K5 | R2G1 | K8 | R3F4 | J3 | R535 | O4 |
| C211 | K7 | C2A5 | J9 | C320 | N6 | C529 | N2 | L301 | K3 | R241 | K5 | R2G2 | K8 | R3F5 | I2 | R541 | O6 |
| C212 | K7 | C2A6 | J9 | C321 | K3 | C530 | N2 | L302 | N6 | R242 | K4 | R2G3 | K8 | R401 | N7 | R588 | O3 |
| C213 | K6 | C2A7 | J9 | C322 | M6 | C531 | N3 | L303 | N6 | R243 | K4 | R2G4 | K8 | R403 | N7 | R589 | O3 |
| C214 | J7 | C2A8 | I9 | C323 | K3 | C532 | N3 | L3F1 | J3 | R252 | J7 | R2G7 | J8 | R404 | N9 | R590 | O3 |
| C215 | I6 | C2A9 | J8 | C324 | N6 | C533 | N3 | L501 | M2 | R269 | K4 | R2G9 | I8 | R405 | N8 | R591 | O3 |
| C216 | I6 | C2B0 | J9 | C3F1 | J3 | C534 | N4 | L502 | M2 | R273 | I6 | R2M1 | L7 | R406 | N8 | R592 | L3 |
| C224 | K5 | C2B3 | I8 | C3F2 | J3 | C535 | N4 | L503 | O6 | R274 | I6 | R2M2 | L7 | R407 | N8 | R602 | M1 |
| C225 | K6 | C2B4 | J8 | C3F3 | I2 | C536 | N4 | L504 | O6 | R275 | I6 | R2M3 | L7 | R409 | N8 | R603 | M1 |
| C226 | K6 | C2B5 | J8 | C401 | N8 | C538 | O6 | L505 | N1 | R276 | I7 | R2M5 | L7 | R410 | N8 | R604 | L1 |
| C229 | K6 | C2B8 | I8 | C402 | N8 | C539 | L3 | L506 | M5 | R277 | I6 | R2M6 | L7 | R411 | N8 | R605 | K1 |
| C230 | K7 | C2B9 | I8 | C403 | N9 | C540 | L3 | L507 | M5 | R278 | K6 | R2M7 | L7 | R412 | N9 | R606 | J1 |
| C231 | K7 | C2C1 | K9 | C404 | O8 | C541 | L3 | L508 | L3 | R279 | K6 | R2M8 | L7 | R413 | N9 | R607 | J1 |
| C232 | J7 | C2C2 | K9 | C405 | N7 | C542 | N1 | L509 | L3 | R281 | K5 | R2M9 | L7 | R414 | N8 | R608 | I1 |
| C238 | I6 | C2C4 | K8 | C406 | N7 | C543 | L3 | L510 | K4 | R282 | J7 | R2N0 | L7 | R415 | N8 | R609 | O5 |
| C239 | I6 | C2C5 | K8 | C408 | N7 | C544 | N1 | L511 | O2 | R290 | I5 | R2N1 | L7 | R416 | N8 | R6C1 | O9 |
| C240 | J7 | C2C6 | K8 | C409 | M7 | C546 | O7 | L603 | J3 | R291 | K5 | R2N2 | L7 | R417 | N8 | R6C2 | O9 |
| C242 | I6 | C2C7 | K8 | C410 | N8 | C549 | O4 | PDV01 | N9 | R292 | I6 | R2N3 | L7 | R418 | N8 | R6C3 | O9 |
| C245 | I6 | C2C8 | J8 | C411 | N9 | C550 | O4 | PDV02 | O5 | R2A0 | J9 | R2N4 | L7 | R419 | M8 | R6C4 | N9 |
| C251 | K5 | C2C9 | K8 | C412 | N9 | C551 | O4 | PDV03 | O9 | R2A1 | L9 | R2N5 | L7 | R420 | M8 | R6C5 | O8 |
| C252 | K5 | C2D0 | L8 | C413 | M8 | C552 | O4 | PMD01 | L9 | R2A2 | J9 | R2N6 | M7 | R428 | N6 | R6C6 | N8 |
| C253 | K5 | C2D1 | K9 | C414 | N7 | C553 | O4 | PMD02 | L9 | R2A6 | J8 | R2N7 | M7 | R429 | N7 | R6C7 | N9 |
| C254 | K6 | C2D2 | K8 | C415 | N8 | C554 | O5 | PMD03 | M9 | R2A9 | I8 | R2N8 | M9 | R430 | N6 | SW601 | O1 |
| C255 | K6 | C2D3 | K9 | C416 | N8 | C555 | O5 | Q2A1 | K9 | R2B0 | L8 | R2N9 | M9 | R431 | N7 | SW602 | N1 |
| C258 | K6 | C2D4 | L8 | C417 | N8 | C556 | O5 | Q2A2 | K9 | R2B1 | K9 | R2P0 | M7 | R432 | N7 | SW603 | M1 |
| C260 | J7 | C2D5 | I9 | C418 | M8 | C557 | O5 | Q2A5 | I8 | R2B2 | K8 | R2P1 | M9 | R433 | N6 | SW604 | L1 |
| C261 | K3 | C2D6 | L9 | C419 | M8 | C558 | L4 | Q2A6 | I8 | R2B3 | K8 | R2P2 | M8 | R434 | N6 | SW605 | K1 |
| C262 | I4 | C2D7 | H8 | C420 | M8 | C559 | L2 | Q2M1 | M8 | R2B4 | L8 | R2P3 | M8 | R435 | N7 | SW606 | K1 |
| C263 | K4 | C2D9 | J9 | C421 | M8 | C560 | M2 | Q401 | N7 | R2B5 | K9 | R2P7 | M7 | R436 | N7 | SW607 | J1 |
| C264 | K4 | C2E1 | J9 | C422 | O7 | C561 | N1 | Q402 | M7 | R2B6 | K9 | R2P8 | M8 | R437 | N7 | SW608 | I1 |
| C265 | I4 | C2E2 | J9 | C423 | N8 | D201 | J7 | Q403 | N7 | R2B7 | K9 | R2P9 | M7 | R438 | M7 | TP216 | J7 |
| C272 | K6 | C2E3 | K9 | C424 | O7 | D2A1 | L9 | Q404 | N7 | R2B8 | K9 | R2Q1 | M8 | R439 | N7 | TP245 | K5 |
| C273 | K6 | C2E4 | K9 | C425 | N7 | D2A2 | K9 | Q405 | N7 | R2C0 | I8 | R2R1 | L9 | R440 | N7 | TP268 | I6 |
| C274 | K7 | C2M1 | M8 | C501 | O6 | D2A3 | J8 | Q6C1 | O8 | R2C4 | J8 | R2R2 | L9 | R441 | N7 | TP269 | I6 |
| C277 | J5 | C2M2 | L7 | C502 | L3 | D301 | N6 | Q6C2 | O9 | R2C5 | J8 | R302 | K2 | R501 | N2 | TP2A0 | J7 |
| C278 | I7 | C2M3 | L7 | C503 | L2 | D401 | N7 | Q6C3 | N8 | R2C6 | J9 | R303 | K2 | R502 | L1 | TP343 | K2 |
| C279 | I6 | C2M4 | L7 | C504 | O5 | IC201 | J6 | Q6C4 | N8 | R2C7 | J9 | R306 | K2 | R503 | N3 | TP347 | K2 |
| C280 | I7 | C2M5 | L7 | C506 | M2 | IC203 | J4 | Q6C5 | N9 | R2C8 | J9 | R307 | K2 | R504 | L3 | TP348 | K2 |
| C281 | I6 | C2M6 | M8 | C507 | L2 | IC206 | K5 | R201 | K6 | R2C9 | J9 | R308 | K2 | R505 | L3 | TP349 | K2 |
| C282 | J7 | C2M7 | L8 | C508 | N4 | IC2A1 | J8 | R202 | K8 | R2D0 | I8 | R309 | K3 | R506 | L3 | TP501 | L4 |
| C284 | K8 | C2M8 | L8 | C509 | N4 | IC2A2 | K8 | R203 | K8 | R2D1 | J9 | R310 | K2 | R507 | O5 | TP506 | L3 |
| C285 | I6 | C2M9 | L8 | C510 | N4 | IC2A4 | I9 | R204 | K8 | R2D2 | J9 | R315 | K3 | R508 | O5 | TP509 | O3 |
| C286 | I6 | C2N1 | L7 | C511 | N4 | IC2M1 | L8 | R205 | K5 | R2D3 | J9 | R317 | K3 | R509 | O5 | TP517 | N3 |
| C287 | K7 | C2N3 | M7 | C512 | M4 | IC301 | K2 | R206 | K5 | R2D4 | J9 | R318 | K2 | R510 | O4 | X201 | K5 |
| C288 | K7 | C2N4 | M7 | C513 | M4 | IC305 | M5 | R207 | K5 | R2D5 | J8 | R319 | K2 | R514 | L4 | X501 | L3 |
| C289 | I6 | C301 | K3 | C514 | M4 | IC3F1 | J2 | R217 | I6 | R2D6 | K9 | R320 | K2 | R515 | L4 | | |
| C290 | K5 | C302 | K3 | C515 | M4 | IC401 | N7 | R218 | I6 | R2E6 | J8 | R321 | K2 | R516 | L4 | | |
| C291 | K5 | C303 | J3 | C516 | M4 | IC402 | N8 | R219 | I6 | R2E7 | I8 | R322 | K3 | R520 | L4 | | |
| C292 | K5 | C304 | J2 | C517 | L4 | IC501 | M3 | R220 | I6 | R2E8 | J8 | R323 | K3 | R521 | N2 | | |

## 2. MAIN P.C.BOARD (BOTTOM VIEW)




## LOCATION GUIDE

| | | | |
|---|---|---|---|
| TP201 | G5 | TP324 | G2 |
| TP202 | E5 | TP325 | G2 |
| TP205 | F6 | TP326 | G2 |
| TP206 | E6 | TP327 | G2 |
| TP212 | F6 | TP328 | G2 |
| TP213 | F6 | TP329 | F2 |
| TP214 | E7 | TP330 | F2 |
| TP215 | F6 | TP331 | F2 |
| TP233 | D6 | TP332 | F2 |
| TP234 | D6 | TP333 | F2 |
| TP240 | E5 | TP334 | F2 |
| TP241 | F6 | TP335 | F2 |
| TP260 | E7 | TP336 | F2 |
| TP261 | G5 | TP337 | F2 |
| TP264 | F6 | TP338 | F2 |
| TP265 | F6 | TP339 | F2 |
| TP267 | D6 | TP340 | F2 |
| TP270 | D6 | TP341 | F2 |
| TP2A1 | E8 | TP342 | F3 |
| TP2A2 | E8 | TP344 | E2 |
| TP2A3 | E8 | TP345 | E2 |
| TP2A4 | E8 | TP346 | E2 |
| TP2A5 | G8 | TP365 | F2 |
| TP2A6 | F8 | TP366 | E2 |
| TP2A7 | E7 | TP367 | F2 |
| TP2A8 | F7 | TP369 | E2 |
| TP2A9 | F7 | TP370 | E2 |
| TP2T0 | F5 | TP510 | F2 |
| TP2T1 | F5 | TP511 | E2 |
| TP2T2 | E4 | TP512 | E2 |
| TP2T3 | F5 | TP513 | B3 |
| TP301 | E2 | TP518 | E4 |
| TP303 | F3 | TP519 | B3 |
| TP304 | G3 | TP520 | E2 |
| TP305 | F3 | TP522 | D2 |
| TP306 | E3 | TP523 | D1 |
| TP307 | F3 | TP524 | C1 |
| TP308 | E3 | TP525 | G5 |
| TP309 | F3 | TP526 | B3 |
| TP310 | E3 | TP527 | G5 |
| TP311 | F3 | TP528 | G5 |
| TP312 | F3 | TP529 | B3 |
| TP313 | F3 | TP530 | B4 |
| TP314 | F2 | TP531 | B4 |
| TP315 | E3 | TP532 | B4 |
| TP316 | F3 | TP533 | B4 |
| TP317 | F3 | TP534 | B4 |
| TP318 | F3 | TP535 | B4 |
| TP319 | G3 | TP536 | B4 |
| TP320 | F2 | TP540 | C1 |
| TP322 | G3 | TP541 | C1 |
| TP323 | G2 | | |



E. & O. E. No. 82984 HR-XV2EX, HR-XV2EY,HR-XV2EL, HR-XV11EX
No. 82985 HR-XV2EK
(VP)D2VP11

# SECTION 6
# REPLACEMENT PARTS LIST

## SAFETY PRECAUTION

**Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.**

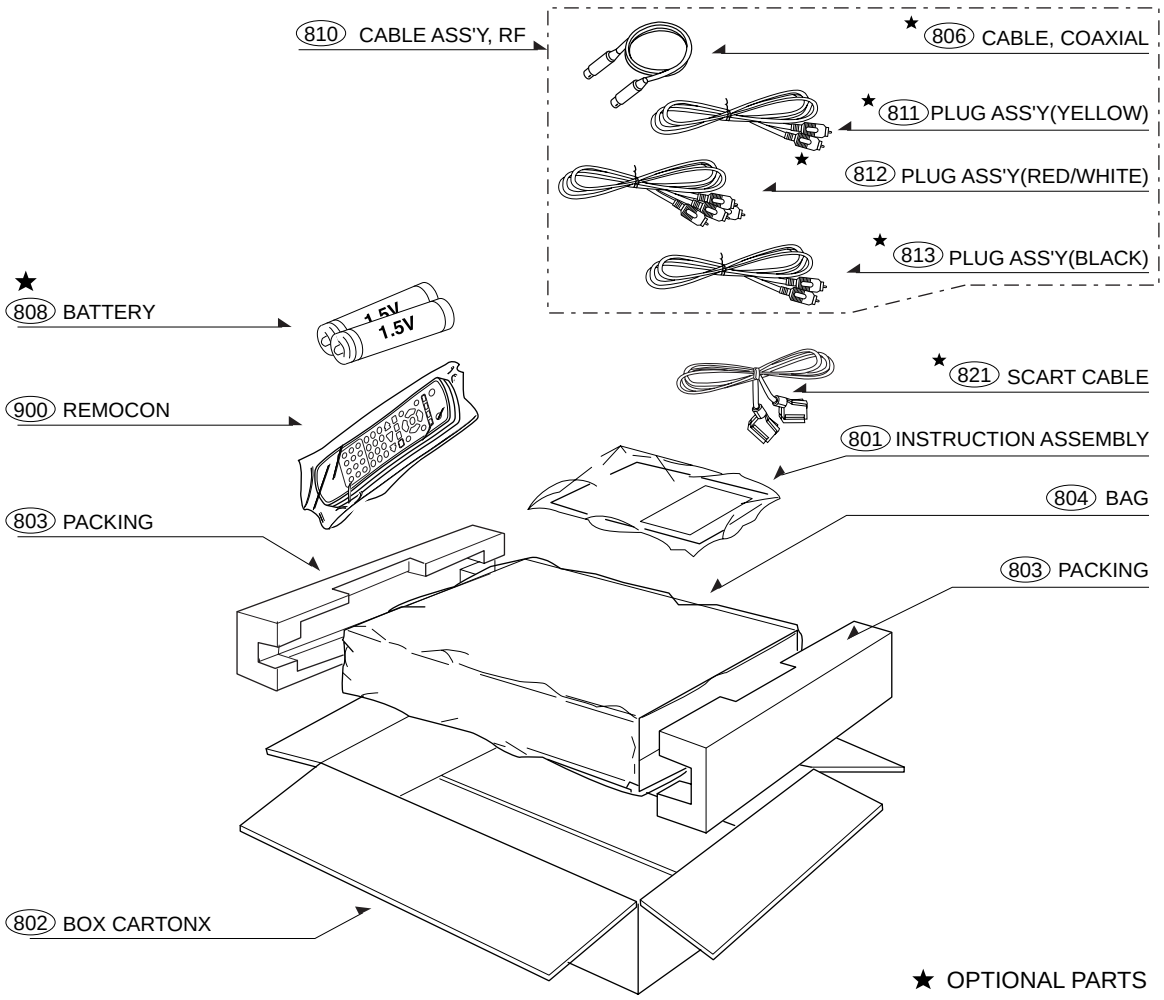
**BEWARE OF BOGUS PARTS**

***Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.***

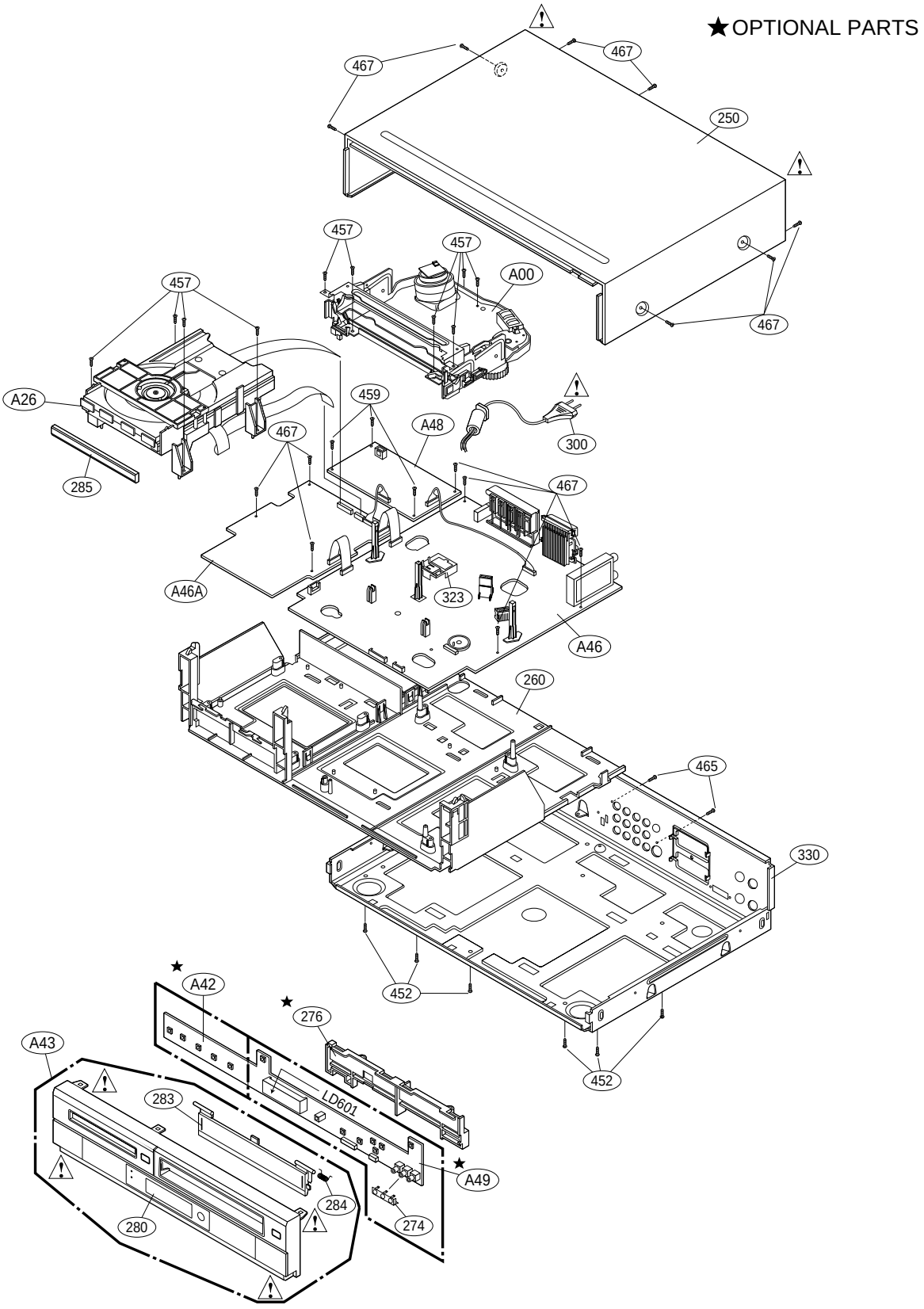
### 6.1 EXPLODED VIEW

#### 6.1.1 PACKING AND ACCESSORY ASSEMBLY <M1>

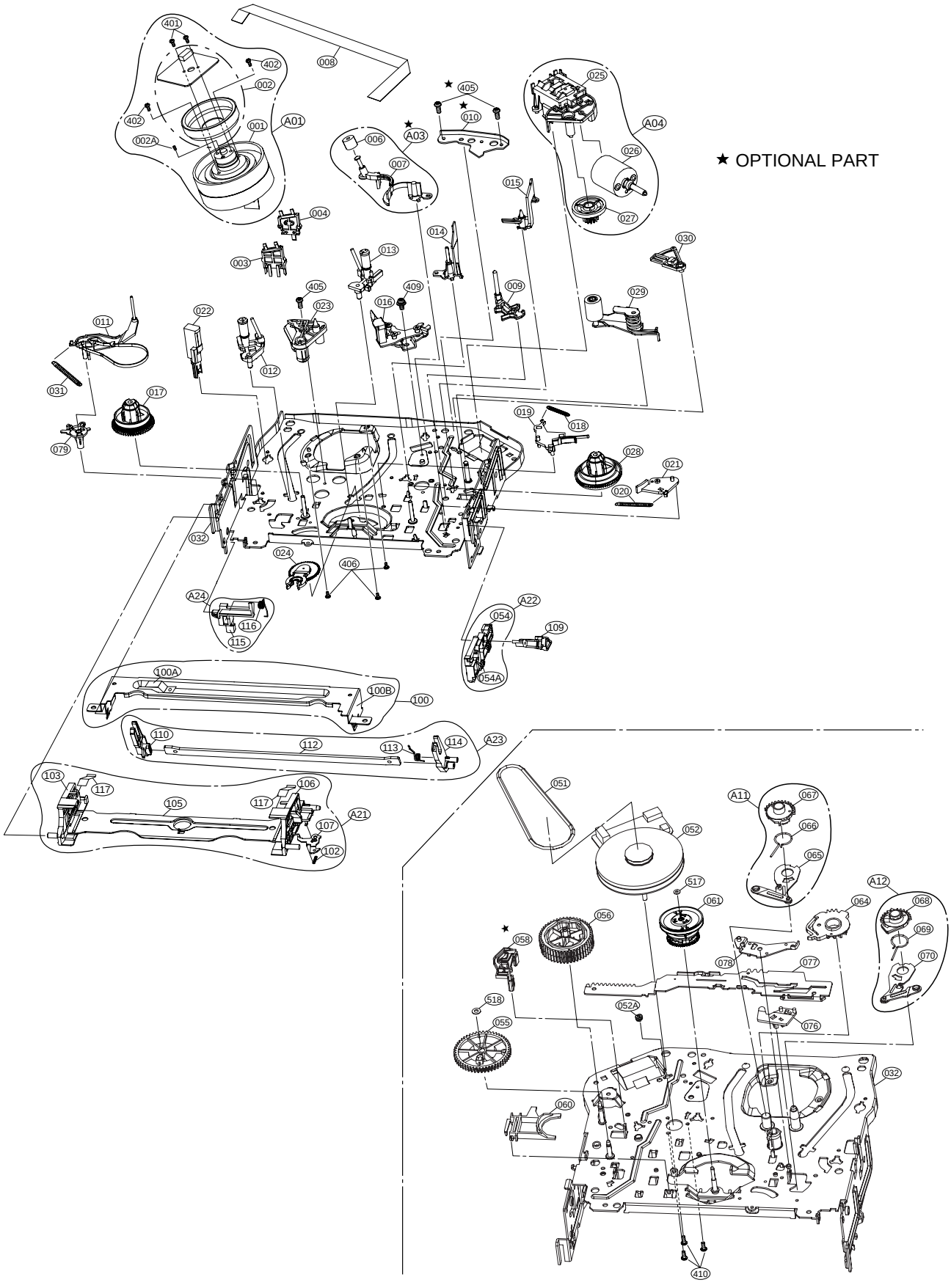
**The instruction manual to be provided with this product will differ according to the destination.**



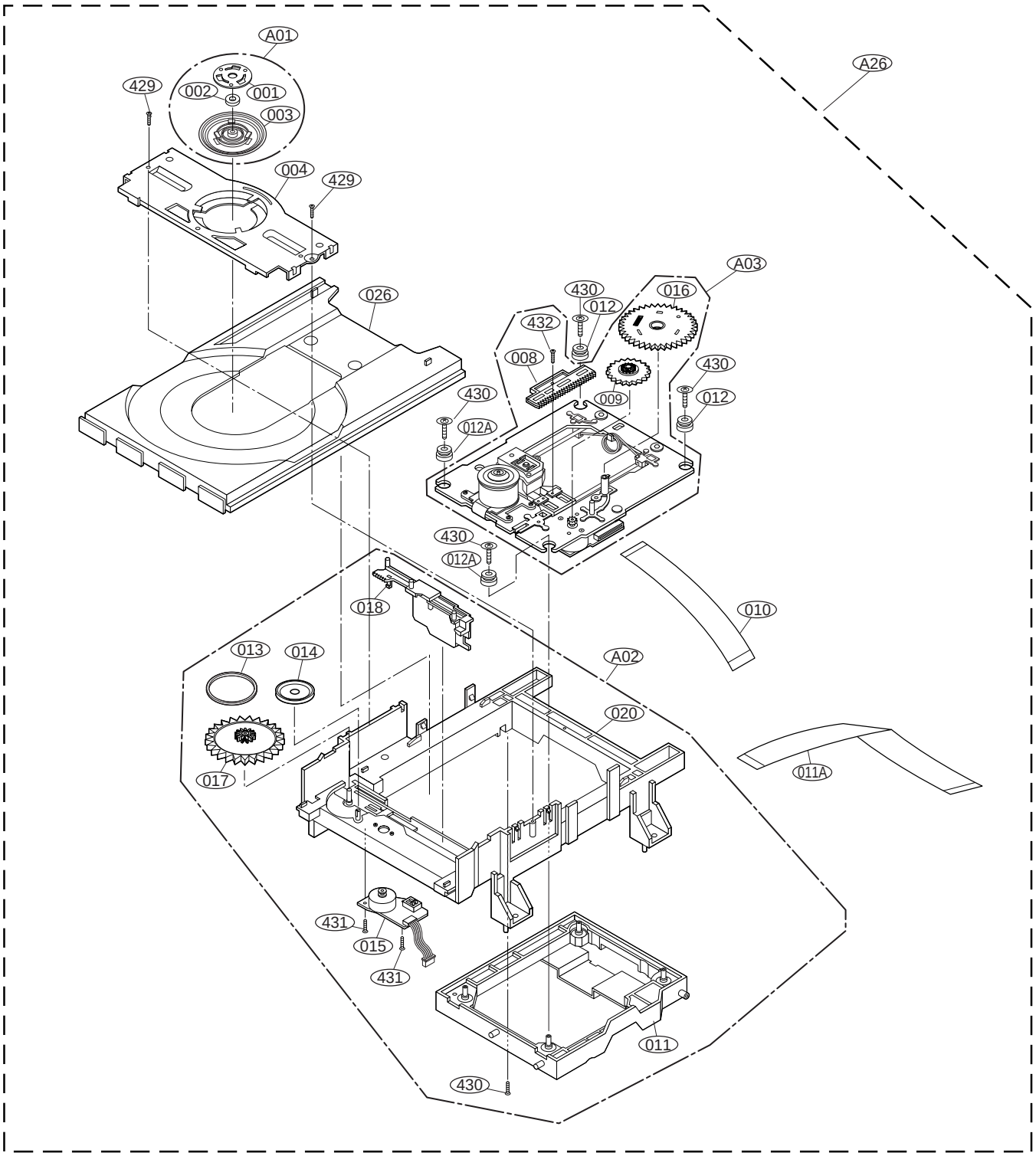
### 6.1.2 FINAL ASSEMBLY <M2>



### 6.1.3 MECHANISM ASSEMBLY(VCR) <M4>



### 6.1.4 MECHANISM ASSEMBLY(DVD) <MN>



## 6.2 REPLACEMENT PARTS LIST

NSP:Not Service Parts

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|---|
| ********** | | | | | | |
| | | | | **PACKING AND ACCESSORY ASSEMBLY <M1>** | | |
| | | 801 | LG-3835RP0093F | INSTRUCTION ASSEMBLY | VCR VJW602CF.NA6IJJ | |
| | | 802 | LG-3890R-H784W | BOX | VJW602CS NA3FJJ SW3-A 1.118 1 | |
| | | 803 | LG-3920R-E080A | PACKING,CASING | VC6000_S 0.02 150 EPS 4 1 1 | |
| | | 804 | LG-292-053B | BAG | SOFT(MIDI) | NSP |
| | | 808 | —— | BATTERY,MANGANESE | AAM UM-3 SEOTONG 1-5 V - LOL 1 | |
| | | 810 | LG-6851R-0012B | CABLE ASSEMBLY | RF-CABLE DOUBLE SHIELD PAL LGE | |
| | | 900 | LG-6711R2P040A | REMOTE CONTROLLER ASSEMBLY | JVC COMBI VJW602CP JVC | |
| ********** | | | | | | |
| | | | | **FINAL ASSEMBLY <M1>** | | |
| | ⚠ | A43 | LG-3721R-F339C | PANEL ASSEMBLY,FRONT | VCR JVW602CF EVNT JVC COMBI | |
| | ⚠ | 250 | LG-3110R-V004B | CASE | (COMBI-2) PRESS A288G-HOLE-7EA | |
| | | 260 | LG-3210R-V004A | FRAME | MAIN MOLD | NSP |
| | | 274 | LG-3300R-X006A | PLATE | JVC(SILVER STAMPING) | |
| | | 276 | LG-4940R-Z084A | KNOB | PLAY HI-855M CLEAR VJW602CS | |
| | | 280 | LG-3720R-F717C | PANEL,VIDEO | VCR VJW602CF MOLD 60HR 8176 | NSP |
| | | 283 | LG-3580R-V059A | DOOR,CASE | CST (VCR) VJW602CS ABS 11255 B | |
| | | 284 | LG-442-681A | SPRING | DOOR | |
| | | 285 | LG-3581R-T085B | DOOR ASSEMBLY | VCR VJW602CS TRAY | |
| | ⚠ | 300 | LG-6410RBHV02Z | POWER CORD | MP500SC/HO3VVH2-F VOLEX BSI W | |
| | | 330 | LG-3140R-V004A | CHASSIS | MAIN PRESS | |
| | | 452 | LG-353-051A | SCREW | SPECIAL | |
| | | 457 | LG-353-051E | SCREW | SPECIAL (3X12) | |
| | | 459 | LG-353-051G | SCREW,DRAWING | + 2 D3.0 L8.0 MSWR3/FN TB ROUN | |
| | | 465 | LG-353-046zK | SCREW | SPECIAL (3X10 B.K) | |
| | | 467 | LG-353-051G | SCREW,DRAWING | + 2 D3.0 L8.0 MSWR3/FN TB ROUN | |
| ********** | | | | | | |
| | | | | **MECHANISM ASSEMBLY(VCR) <M4>** | | |
| | | A00 | LG-6721RF0751D | DECK ASSEMBLY,VIDEO | D35(M) DI (4HF, PAL, AHC(X), B | NSP |
| | | A01 | LG-6723R-0403C | DRUM(CIRC) ASSEMBLY | D35-6CH PAL (8P6C) | |
| | | A04 | LG-4811RF0038A | BRACKET ASSEMBLY | L/D(S) | |
| | | A11 | LG-4471R-0005A | GEAR ASSY | P3 | |
| | | A12 | LG-4471R-0004A | GEAR ASSY | P2 | |
| | | A21 | LG-4931R-0047A | HOLDER ASSY | CST | |
| | | A22 | LG-4471R-0006A | GEAR ASSY | RACK F/L | |
| | | A23 | LG-4261R-0023A | ARM ASSY | F/L | |
| | | A24 | LG-4510R-0046A | LEVER | ASSY SWITCH | |
| | | 001 | LG-6723R-0306C | DRUM(CIRC) ASSEMBLY | SUB D35-6CH (8P6C) | NSP |
| | | 002 | LG-4680R-B005A | MOTOR(MECH) | DRUM I2OAL05 SEJIN-SANKYO ICLE | |
| | | 002A | LG-5202R00002C | BRUSH,CARBON | ASSY D33 (TIP+2 SPRING) 1.4, | |
| | | 003 | LG-4930R-0284A | HOLDER | FPC(6CH) | |
| | | 004 | LG-5006R-0034A | CAP | FPC | |
| | | 008 | LG-6850R-HG18Z | CABLE,FLAT | P=1.25 FFC UL2896(0.05X0.8) 7 | |
| | | 009 | LG-4260R-0038A | ARM | T/UP(D35) | |
| | | 010 | LG-4810R-0125A | BRACKET | CHASSIS | |
| | | 011 | LG-4261R-0022A | ARM ASSY | TENSION(D35) | |
| | | 012 | LG-3041R-0037A | BASE ASSY | P2 | |
| | | 013 | LG-3041R-0038A | BASE ASSY | P3 | |
| | | 014 | LG-3041R-0039A | BASE ASSY | P4 | |
| | | 015 | LG-5870R-0005A | OPENER | LID(D35) | |
| | | 016 | LG-3041R-0036A | BASE ASSEMBLY | A/C HEAD (ALPS) | |
| | | 017 | LG-4408R-0003A | REEL | S | |
| | | 018 | LG-4970R-0140A | SPRING | COIL RS D35 | |
| | | 019 | LG-4421R-0008A | BRAKE ASSEMBLY | RS | |
| | | 020 | LG-4970R-0128A | SPRING | COIL D35 (TB) | |
| | | 021 | LG-4421R-0006A | BRAKE ASSY | T | |
| | | 022 | LG-6520D00002A | HEAD(CIRC) | D35 FE ST FE HEAD | |
| | | 023 | LG-3040R-0057A | BASE | LOADING | |
| | | 024 | LG-4261R-0024A | ARM ASSEMBLY | IDLER (H) | |
| | | 025 | LG-4810R-0118A | BRACKET | L/D(S) | NSP |
| | | 026 | LG-4680R-D002A | MOTOR(MECH) | LOADING MDB2B66 SANKYO D35 ASP | NSP |
| | | 027 | LG-4470R-0093A | GEAR | WHEEL | NSP |
| | | 028 | LG-4408R-0004A | REEL | T | |
| | | 029 | LG-4261R-0019C | ARM ASSEMBLY | DECK/MECHA PINCH | |
| | | 030 | LG-4510R-0043A | LEVER | T/UP | |
| | | 031 | LG-4970R-0123A | SPRING | COIL TENSION(D35) | |
| | | 032 | LG-3141R-0040A | CHASSIS ASSY | D35 | NSP |
| | | 051 | LG-4400R-0005A | BELT | CAPSTAN | |
| | | 052 | LG-4680R-A007A | MOTOR(MECH) | CAPSTAN F2QVB06 SANKYO D35 ASR | |
| | | 052A | LG-4980R-0023A | SUPPORTER | CAPSTAN(D35) | |
| | | 054 | LG-4470R-0100A | GEAR | RACK F/L | |
| | | 054A | LG-4970R-0124B | SPRING | COIL D35 (RACK F/L) | |
| | | 055 | LG-4470R-0097A | GEAR | DRIVE(D35) | |
| | | 056 | LG-4470R-0096A | GEAR | CAM(D35) | |
| | | 058 | LG-4421R-0007A | BRAKE ASSY | CAPSTAN | |
| | | 060 | LG-4510R-0040A | LEVER | F/R(D35) | |
| | | 061 | LG-4265R-0005A | CLUTCH ASSEMBLY | D35 (M) | |
| | | 064 | LG-4470R-0098A | GEAR | SECTOR(D35) | |
| | | 065 | LG-4261R-0021A | ARM ASSY | P3 | NSP |
| | | 066 | LG-4970R-0122A | SPRING | COIL D35 | NSP |
| | | 067 | LG-4470R-0095A | GEAR | P3 | NSP |
| | | 068 | LG-4470R-0094A | GEAR | P2 | NSP |
| | | 069 | LG-4970R-0122A | SPRING | COIL D35 | NSP |
| | | 070 | LG-4261R-0020A | ARM ASSY | P2 | NSP |
| | | 076 | LG-4510R-0047A | LEVER | SPRING | |
| | | 077 | LG-3300R-M116A | PLATE | SLIDER | |
| | | 078 | LG-4510R-0041A | LEVER | TENSION | |
| | | 079 | LG-3040R-0056A | BASE | TENSION(D35) | |
| | | 100 | LG-3301R-M022A | PLATE ASSEMBLY | TOP | |
| | | 100A | LG-3300R-0184A | PLATE | GND | |
| | | 100B | LG-3300R-M118A | PLATE | TOP(D35) | |
| | | 102 | LG-4970R-0130A | SPRING | COIL D35 (STOPPER) | |
| | | 103 | LG-4930R-0276A | HOLDER | SIDE(L) | NSP |
| | | 105 | LG-4930R-0274A | HOLDER | CST | NSP |
| | | 106 | LG-4930R-0275A | HOLDER | SIDE(R) | NSP |
| | | 107 | LG-4510R-0044A | LEVER | STOPPER | NSP |
| | | 109 | LG-5870R-0004A | OPENER | DOOR | |
| | | 110 | LG-4260R-0035A | ARM | F/L(L) | NSP |
| | | 112 | LG-3070R-0002A | BODY | F/L | NSP |
| | | 113 | LG-4970R-0127A | SPRING | COIL D35 (F/L(R)) | NSP |
| | | 114 | LG-4260R-0036A | ARM | F/L(R) | NSP |
| | | 115 | LG-4510R-0042A | LEVER | SWITCH | |
| | | 116 | LG-4970R-0138A | SPRING | COIL D35 SWITCH | |
| | | 117 | LG-3300R-M137A | PLATE | SPRING CST | |
| | | 401 | LG-1MEC0261518 | SCREW MACHINE,PAN HEAD SPR W | + D2.6 L4.5 MSWR3/FZY | |
| | | 402 | LG-1MPC0261418 | SCREW MACHINE,PAN HEAD | D 2.6 L 4.0 MSWR3/FZY | |
| | | 405 | LG-1SZZR-0031B | SCREW,DRAWING | + 1 D2.6 L5.8 SWRCH16A/FZY TAP | |
| | | 406 | LG-1MEC0302018 | PAN HEAD MACHINE SCREW S/W + | D 3.0 L 6.0 MSWR3/FZY | |
| | | 409 | LG-1SZZR-0032B | SCREW,DRAWING | + 1 D2.6 L5.0 SWRCH18A/FZY TAP | |
| | | 410 | LG-1APF0262218 | SCREW TAP TITE(B),PAN HEAD | + D2.6 L6.8 MSWR3/FZY | |
| | | 517 | LG-1WZZR-0004D | WASHER | STOPPER | |
| | | 518 | LG-1WZZR-0004A | WASHER | STOPPER | |
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| | | | | **MECHANISM ASSEMBLY(DVD) <MN>** | | |
| | | A26 | LG-6721RF0356A | DECK ASSEMBLY,VIDEO | DP5-4V(SHORT BODY-COMBI) DI | NSP |
| | | A01 | LG-4861R-0015A | CLAMP ASSEMBLY | DISC(DP-5) DI | |
| | | A02 | LG-3041R-M008B | BASE ASSEMBLY | MAIN, DP5-4V (SHORT BODY) DI | |
| | | A03 | LG-3041R-M005A | BASE ASSEMBLY | SLED (DP5) DI | |
| | | 001 | LG-3300R-0547A | PLATE | CLAMP | NSP |
| | | 002 | LG-5016H-1016B | MAGNET | CLAMP(LDM-R608,10*5,1*1.5T) | NSP |
| | | 003 | LG-4860R-0006A | CLAMP | UPPER | NSP |
| | | 004 | LG-4930R-0171A | HOLDER | CLAMP | |
| | | 008 | LG-4470R-0047B | GEAR | ASSY RACK (DI) | |
| | | 009 | LG-4470R-0053A | GEAR | MIDDLE | |
| | | 010 | LG-6850R-GK22Z | CABLE,FLAT | P=1.0 FFC UL2896(0.05X0.65) 11 | |
| | | 011 | LG-3210R-0036A | FRAME | UP/D | |
| | | 011A | LG-6850R-JW24Z | CABLE,FLAT | P=1.0 FFC UL2896(0.035X0.7) 23 | |
| | | 012 | LG-5040R-0047A | RUBBER | REAR(E2,5040H-1054A),YAMAUCHI | |
| | | 012A | LG-5040R-0047C | RUBBER | GREEN | |
| | | 013 | LG-4400R-0006A | BELT | LOADING | |
| | | 014 | LG-4470R-0055A | GEAR | PULLEY | |
| | | 015 | LG-6871RZ5130A | PWB(PCB) ASSEMBLY,OTHERS | SUB,L/D (DP-4V,DVD+VCR) DI | |
| | | 016 | LG-4470R-0050B | GEAR | ASSY FEED (DI) | |
| | | 017 | LG-4470R-0056A | GEAR | LOADING | |
| | | 018 | LG-4974R-0023A | GUIDE | UP/DOWN | |
| | | 020 | LG-3040R-M001A | BASE | MAIN MOLD | NSP |
| | | 026 | LG-3390R-0014A | TRAY | DISK | |
| | | 429 | LG-1SZZR-0012A | SCREW, | B-TITE | |
| | | 430 | LG-1SZZH-1003A | SCREW, | + D2.0 6MM SWRCH16A/NIY 4.5MM | |
| | | 431 | LG-1SZZH-1007B | SCREW,DRAWING | + D2.0 6MM SWRCH16A/ZNBK 4MM 1 | |
| | | 432 | LG-1SZZR-0011A | SCREW, | MACHINE | |

NSP:Not Service Parts

## POWER BOARD ASSEMBLY <01>

| # | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|
| | A48 | LG-3501R-7431A | BOARD ASSEMBLY | VCR VJW602CS SERIES SMPS | |
| | BD01 | LG-636-004C | FILTER(CIRC),EMC | BEAD CORE BFS3550R2FD8,R T/P | |
| | BD02 | LG-636-004C | FILTER(CIRC),EMC | BEAD CORE BFS3550R2FD8,R T/P | |
| ⚠ | BD10 | S1WB/A/60-4101 | DIODE | S1WBA60(1A 600V) SHIDENKEN | |
| ⚠ | C101 | LG-624-088L | CAPACITOR,DRAWING | 435D SUNIL ELECTRONICS 0.1UF/2 | |
| ⚠ | C102 | LG-624-088L | CAPACITOR,DRAWING | 435D SUNIL ELECTRONICS 0.1UF/2 | |
| | C103 | LG-624-082C | CAPACITOR,AL.ELECTROLYTIC | 100MF/400V SHL SMPS S/Y | |
| | C105 | LG-0CQ1031Y519 | CAPACITOR,POLYESTER | 0.01UF D 630V K PE NI TP | |
| | C106 | LG-624-087S | CAPACITOR,FIXED CERAMIC(High d | 47PF D 1KV 10% TR B(Y5P) | |
| | C107 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | C108 | LG-0CE3366K638 | CAPACITOR,FIXED ELECTROLYTIC | 33UF SMS,SG 50V 20% FM5 TP 5 | |
| | C109 | LG-0CN223AK948 | CAPACITOR,TUBULAR(HIGH DIELEC) | 0.022UF 50V Z F TA26 S | |
| ⚠ | C110 | LG-0CG1020U630 | CAPACITOR,SEMI CERAMIC | 1000PF 400V M E(Z5U) R | |
| ⚠ | C111 | LG-0CG2220U630 | CAPACITOR,SEMI CERAMIC | 2200 PF 400V M E R (NK,AD,SD) | |
| | C117 | LG-0CE337EK630 | CAPACITOR,AL.ELECTROLYTIC | 330UF KMG 50V M FM5 BULK | |
| | C123 | LG-0CE477BH630 | CAPACITOR,AL.ELECTROLYTIC | 470UF KME TYPE 25V M FM5 BULK | |
| | C126 | LG-0CE2276H638 | CAPACITOR,FIXED ELECTROLYTIC | 220UF SMS,SG 25V 20% FM5 TP 5 | |
| | C127 | LG-0CE108BF630 | CAPACITOR,FIXED ELECTROLYTIC | 1000UF KME 16V M FM5 BULK | |
| | C128 | LG-0CE3376D638 | CAPACITOR,ELECTROLYTIC | 330UF SMS 10V M FM5 TP5 | |
| | C129 | LG-0CE228BF630 | CAPACITOR,FIXED ELECTROLYTIC | 2200UF KME TYPE 16V 20% FM5 BU | |
| | C131 | LG-624-082H | CAPACITOR | CE 1000UF/10V SHL(10*12.5)T/P | |
| | C132 | LG-624-085D | CAPACITOR | CE 47UF/50V KME (SMPS) | |
| | C133 | LG-0CQ1042K409 | CAPACITOR,FIXED FILM | 0.1UF S 50V J PE TP | |
| | C151 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | C152 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | C153 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C154 | QET61CM-107Z | CAPACITOR,ELECTROLYTIC | 100U SRA 16V M FM5 TP(5) | |
| | C155 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C156 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | C161 | LG-0CE4763F638 | CAPACITOR,ELECTROLYTIC | 47M SRE 16V M FM5 TP(5) | |
| | C163 | LG-624-087H | CAPACITOR | HIGH-VOL 220PF/1KV CERAMIC | |
| | D101 | ERA22-10 | DIODE,RECTIFIERS | ERA22-10 KFLB,TP ,R T/P,FUJI | |
| | D101 | LG-0DD010009CA | DIODE,RECTIFIER | EG01CW(R-FORM 5MM) TP SANKEN | |
| | D102 | LG-0DR104009BA | DIODE,RECTIFIER | RL104F TP RECTRON NON 400V 1A | |
| | D102 | LG-0DD010009AC | DIODE | EU01W(R-FORM) TP SANKEN | |
| | D106 | LG-0DR104009BA | DIODE,RECTIFIER | RL104F TP RECTRON NON 400V 1A | |
| | D106 | LG-0DD010009AC | DIODE | EU01W(R-FORM) TP SANKEN | |
| | D110 | LG-0DR302000AB | DIODE,RECTIFIER | HER302 BK RECTRON DO201AD 100V | |
| | D111 | LG-0DR158220AA | DIODE,RECTIFIER | 1N5822 BK RECTRON DO201AD 40V | |
| | D112 | LG-0DR158220AA | DIODE,RECTIFIER | 1N5822 BK RECTRON DO201AD 40V | |
| | D113 | LG-0DR104009BA | DIODE,RECTIFIER | RL104F TP RECTRON NON 400V 1A | |
| | D113 | LG-0DD010009AC | DIODE | EU01W(R-FORM) TP SANKEN | |
| | D114 | LG-0DR104009AB | DIODE,RECTIFIER | RL104 R. TP GULF SEMICONDUCTOR | |
| | D115 | LG-0DR104009AB | DIODE,RECTIFIER | RL104 R. TP GULF SEMICONDUCTOR | |
| | D117 | LG-0DR104009AB | DIODE,RECTIFIER | RL104 R. TP GULF SEMICONDUCTOR | |
| | D121 | 1SS133-T2 | DIODE,SWITCHING | 1SS133 DETECT,SW TP | |
| ⚠ | F101 | LG-0FS1601B51D | FUSE,SLOW BLOW | 1600MA 250 V 5.2X20 CY/GL KS/J | |
| | FH01 | LG-586-008B | HOLDER | FUSE CLIP TP SINSUNG | |
| | FH02 | LG-586-008B | HOLDER | FUSE CLIP TP SINSUNG | |
| ⚠ | IC101 | LG-0IPMGFF001A | IC,POWER MANAGEMENT | ICE2B265 INFINEON 8 DIP ST SMP | |
| ⚠ | IC102 | PZ0ILI817000B | SENSOR | LTV-817B,PHOTO COUPLER(LITEON) | |
| | IC103 | LG-0IKE431000A | IC,KEC | KIA431 3 PIN TP | |
| | IC151 | KIA78R08PI | IC,POWER MANAGEMENT | KIA78R08PI CU KEC 4P TO-220IS | |
| | IC152 | LG-0IPMGKE022A | IC,POWER MANAGEMENT | KIA278R33PI KEC 4P TO-220 ST 3 | |
| ⚠ | L102 | LG-616-145N | FILTER(CIRC),DRAWING | LFS2020V4-04350B SAMWAH TECOM | |
| | L122 | LG-633-088G | COIL,CHOKE | CHOCK(22MH) 5MM TOKO TP | |
| | L123 | LG-633-088G | COIL,CHOKE | CHOCK(22MH) 5MM TOKO TP | |
| | L124 | LG-633-088G | COIL,CHOKE | CHOCK(22MH) 5MM TOKO TP | |
| | Q153 | LG-0TR220309AF | TRANSISTOR | SRA2203 TP AUK TO92 22K,22K | |
| | Q154 | LG-0TR534309BA | TRANSISTOR | 2SC5343-L TP AUK TO92 | |
| | Q155 | LG-0TR141409AA | TRANSISTOR | KTD1414(TO220IS) CUTING TP KEC | |
| | Q156 | LG-0TR320509AB | TRANSISTOR | KTC3205-TP-Y (KTC2236A)KEC | |
| | Q161 | LG-0TR126809BA | TRANSISTOR,BIPOLARS | KTA1268-BL TP KEC | |
| | Q162 | LG-0TR534309BA | TRANSISTOR | 2SC5343-L TP AUK TO92 | |
| | Q173 | LG-0TR534309BA | TRANSISTOR | 2SC5343-L TP AUK TO92 | |
| | R100 | QRE121J-155Y | RESISTOR,FIXED CARBON FILM | 1.5M OHM 1/2 W 5.00% MF10 | |
| | R101 | LG-614-007A | RESISTOR | 2.7/2W CEMENT SMPS V | |
| | R104 | LG-0RS5602K619 | RESISTOR,FIXED METAL OXIDE FIL | 56K OHM 2 W 5.00% TR | |
| | R105 | QRE141J-220Y | RESISTOR,FIXED CARBON FILM | 22 OHM 1/6 W 5% TA26 | |
| | R106 | QRE141J-220Y | RESISTOR,FIXED CARBON FILM | 22 OHM 1/6 W 5% TA26 | |
| | R107 | LG-0RS0350K619 | RESISTOR,FIXED METAL OXIDE FIL | 0.35 OHM 2 W 5.00% TR | |
| | R110 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| | R112 | QRD161J-221 | RESISTOR,FIXED CARBON FILM | 220 OHM 1/6 W 5% TA26 | |
| | R113 | QRD161J-222Y | RESISTOR,FIXED CARBON FILM | 2.2K OHM 1/6 W 5% TA26 | |
| | R114 | QRE141J-102Y | RESISTOR,FIXED CARBON FILM | 1K OHM 1/6 W 5% TA26 | |
| | R115 | LG-0RN3301F408 | RESISTOR,FIXED METAL FILM | 3.3K OHM 1/6 W 1% TA26 | |
| | R116 | LG-0RN2701F408 | RESISTOR,FIXED METAL FILM | 2.7K OHM 1/6 W 1% TA26 | |
| | R117 | QRD161J-271Y | RESISTOR,FIXED CARBON FILM | 270 OHM 1/6 W 5% TA26 | |
| | R119 | QRD161J-104Y | RESISTOR,FIXED CARBON FILM | 100K OHM 1/6 W 5% TA26 | |
| | R130 | QRD161J-104Y | RESISTOR,FIXED CARBON FILM | 100K OHM 1/6 W 5% TA26 | |
| | R131 | QRE121J-224Y | RESISTOR,FIXED CARBON FILM | 220K OHM 1/6 W 5% TA26 | |
| | R132 | QRE121J-224Y | RESISTOR,FIXED CARBON FILM | 220K OHM 1/6 W 5% TA26 | |
| | R151 | QRD161J-562Y | RESISTOR,FIXED CARBON FILM | 5.6K OHM 1/6 W 5% TA26 | |
| | R152 | QRD161J-562Y | RESISTOR,FIXED CARBON FILM | 5.6K OHM 1/6 W 5% TA26 | |
| | R153 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| | R154 | QRE141J-102Y | RESISTOR,FIXED CARBON FILM | 1K OHM 1/6 W 5% TA26 | |
| | R155 | QRD161J-183Y | RESISTOR,FIXED CARBON FILM | 18K OHM 1/6 W 5% TA26 | |
| | R156 | QRE141J-103Y | RESISTOR,FIXED CARBON FILM | 10K OHM 1/6 W 5% TA26 | |
| | R157 | QRE141J-102Y | RESISTOR,FIXED CARBON FILM | 1K OHM 1/6 W 5% TA26 | |
| | R158 | QRE141J-331Y | RESISTOR,FIXED CARBON FILM | 330 OHM 1/6 W 5% TA26 | |
| | R159 | QRE141J-331Y | RESISTOR,FIXED CARBON FILM | 330 OHM 1/6 W 5% TA26 | |
| | R161 | QRD161J-223Y | RESISTOR,FIXED CARBON FILM | 22K OHM 1/6 W 5% TA26 | |
| | R164 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| | R170 | QRE141J-103Y | RESISTOR,FIXED CARBON FILM | 10K OHM 1/6 W 5% TA26 | |
| | R171 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| | R172 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| | R173 | QRD161J-472Y | RESISTOR,FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA26 | |
| ⚠ | V101 | LG-656-004C | VARISTOR,DRAWING | SVC681D-10A SAMHWA 4.O CUT | |
| ⚠ | T101 | LG-6170RNGW12D | TRANSFORMER | | |
| | ZD10 | MTZ13B | DIODE,ZENER | MTZ13B TP ROHM-K | |
| | ZD10 | UZ30BSB | DIODE,ZENERS | UZ-30BSC 26MM PYUNG CHANG TP D | |

## VCR BOARD ASSEMBLY<03>

| # | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|
| | A46 | LG-3501R-5511E | BOARD ASSEMBLY | VCR VJW602CF,NA6IJJ (DI) | |
| | 323 | LG-3111R-0089B | CASE ASSY | PRE-AMP (PBSB-SH) | |
| | BC91 | LG-636-004C | FILTER(CIRC),EMC | BEAD CORE BFS3550R2FD8,R T/P | |
| | BC92 | LG-636-004C | FILTER(CIRC),EMC | BEAD CORE BFS3550R2FD8,R T/P | |
| | C301 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C302 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C303 | LG-0CE3344K638 | CAPACITOR,ELECTROLYTIC | 0.33M SRA 50V M FM5 TP(5) | |
| | C304 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C305 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | C306 | LG-0CH1182K562 | CAPACITOR,CHIP(CERAMIC M/L HD | 1800P 50V K X7R 1.6X0.8 R/TP | |
| | C307 | LG-0CH1152K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1500PF 50V 10% X7R(X) 1608 R/T | |
| | C308 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | C309 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) | |
| | C310 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) | |
| | C311 | LG-0CQ2232L559 | CAPACITOR,POLYESTER | 0.022UF S 63V K PP NI TP5 | |
| | C312 | LG-0CQ1032K409 | CAPACITOR,POLYESTER(MYLAR) | 0.01UF S 50V J PE TP | |
| | C313 | LG-0CQ3332K409 | CAPACITOR,FIXED FILM | 0.033UF S 50V J PE TP | |
| | C314 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | C315 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C316 | LG-0CH1182K562 | CAPACITOR,CHIP(CERAMIC M/L HD | 1800P 50V K X7R 1.6X0.8 R/TP | |
| | C317 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C318 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C319 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C320 | LG-0CH4151K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 150P 50V J COG 1.6X0.8 R/TP | |
| | C321 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C322 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C323 | LG-0CH4470K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 47P 50V J COG 1.6X0.8 R/TP | |
| | C324 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C325 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C326 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | C327 | LG-0CE2253K636 | CAPACITOR,FIXED ELECTROLYTIC | 2.2UF SRE,SE 50V 20% FM5 BP(D) | |
| | C328 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C329 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C330 | LG-0CH4470K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 47P 50V J COG 1.6X0.8 R/TP | |
| | C331 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C332 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C335 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C336 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C337 | LG-0CE1044K638 | CAPACITOR,ELECTROLYTIC | 0.1M SRA 50V M FM5 TP(5) | |
| | C338 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C339 | QETF1HM-335Z | CAPACITOR,FIXED ELECTROLYTIC | 3.3UF SRA,SS 50V 20% FM5 TP 5 | |
| | C340 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | C341 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C342 | LG-0CH4331K412 | CAPACITOR,CHIP(CERAMIC M/L TC | 330P 50V J COG 1.6X0.8 R/TP | |
| | C343 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | C344 | LG-0CH1473H942 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0470UF 25V Z Y5V(F) 1608 R/T | |
| | C346 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C347 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C348 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | C350 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | C351 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | C352 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | C353 | QETF1HM-335Z | CAPACITOR,FIXED ELECTROLYTIC | 3.3UF SRA,SS 50V 20% FM5 TP 5 | |
| | C354 | LG-0CH1473H942 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0470UF 25V Z Y5V(F) 1608 R/T | |
| | C355 | LG-0CE2253K636 | CAPACITOR,FIXED ELECTROLYTIC | 2.2UF SRE,SE 50V 20% FM5 BP(D) | |

NSP:Not Service Parts

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|---|
| | | C356 | LG-0CH1333K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.033UF 50V K X7R(X) 1508 R/TP | |
| | | C357 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C358 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C359 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C360 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C361 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C363 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C364 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C365 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C366 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C367 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C368 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C369 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C370 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C371 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C373 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C374 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C3S1 | LG-0CH4470K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 47P 50V J COG 1.6X0.8 R/TP | |
| | | C500 | LG-0CE4775C638 | CAPACITOR,FIXED ELECTROLYTIC | 470UF SR,SV 6.3V 20% FM5 TP 5 | |
| | | C501 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C502 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | | C503 | LG-0CE2274C638 | CAPACITOR,ELECTROLYTIC | 220M SRA 6.3V M FM5 TP(5) | |
| | | C504 | LG-0CE2274C638 | CAPACITOR,ELECTROLYTIC | 220M SRA 6.3V M FM5 TP(5) | |
| | | C505 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | | C506 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C507 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C508 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C509 | NDC31HJ-220X | CAPA,CHIP CERAMIC M/L T.C F/S | 22P 50V J COG 1.6X0.8 R/TP | |
| | | C511 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C512 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C513 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C514 | LG-0CC1500K415 | CAPACITOR,CERAMIC(TEMP COMP) | 15P 50V J NP0 TS | |
| | | C515 | LG-0CC2000K415 | CAPACITOR,FIXED CERAMIC(Temp.c | 20PF D 50V 5% NP0 TR | |
| | | C516 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C517 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C518 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C519 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C520 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C521 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C523 | QETC1HM-225Z | CAPACITOR,FIXED ELECTROLYTIC | 2.2UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C524 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | | C525 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C526 | LG-0CE4764J638 | CAPACITOR,AL.ELECTROLYTIC | 47UF SRA,SS 35V M FM5 TP 5 | |
| | | C527 | NDC31HJ-221X | CAPACITOR,CHIP[CERAMIC M/L TC | 220P 50V J COG 1.6X0.8 R/TP | |
| | | C533 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C534 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C535 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C543 | LG-0CH1222K512 | CAPACITOR,CHIP[CERAMIC M/L HD | 2200PF 50V K B 1608 R/TP | |
| | | C544 | LG-0CQ4732K409 | CAPACITOR,FIXED FILM | 0.047UF S 50V J PE TP | |
| | | C545 | LG-0CH1333K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.033UF 50V K X7R(X) 1508 R/TP | |
| | | C546 | LG-0CE4764J638 | CAPACITOR,AL.ELECTROLYTIC | 47UF SRA,SS 35V M FM5 TP 5 | |
| | | C547 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C551 | LG-0CQ3332K409 | CAPACITOR,FIXED FILM | 0.033UF S 50V J PE TP | |
| | | C552 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C561 | LG-0CE2274C638 | CAPACITOR,ELECTROLYTIC | 220M SRA 6.3V M FM5 TP(5) | |
| | | C564 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C567 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C570 | LG-0CH4150K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 15P 50V J COG 1.6X0.8 R/TP | |
| | | C571 | LG-0CH4150K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 15P 50V J COG 1.6X0.8 R/TP | |
| | | C575 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C576 | NDC31HJ-270X | CAPACITOR,CHIP[CERAMIC M/L TC | 27PF 50V J NP0 1608 R/TP | |
| | | C577 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C578 | LG-0CH1222K512 | CAPACITOR,CHIP[CERAMIC M/L HD | 2200PF 50V K B 1608 R/TP | |
| | | C581 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C582 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C583 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C589 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C590 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C596 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C5A4 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C5A5 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C5F1 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C5G1 | LG-0CE1086C638 | CAPACITOR,FIXED ELECTROLYTIC | 1000000000 PF SMS,SG 6.3V M FM | |
| | | C5K1 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C5L2 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C5L3 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C5P1 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C5P2 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C5S1 | LG-0CH4430K416 | CAPACITOR,FIXED CERAMIC(High d | 43PF 50V J NP0 2012 R/TP | |
| | | C5S3 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C706 | LG-0CH4330K412 | CAPACITOR,CHIP[CERAMIC M/L TC | 33P 50V J COG 1.6X0.8 R/TP | |
| | | C707 | LG-0CH4680K412 | CAPACITOR,FIXED CERAMIC(HIGH D | 68PF 50V 5% NP0 1608 R/TP | |
| | | C708 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C709 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C710 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C712 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C713 | LG-0CH4560K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 56P 50V J COG 1.6X0.8 R/TP | |
| | | C714 | LG-0CH4560K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 56P 50V J COG 1.6X0.8 R/TP | |
| | | C716 | LG-0CH4100K412 | CAPACITOR,CHIP[CERAMIC M/L TC | 10PF 50V J NP0 1608 R/TP | |
| | | C717 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C718 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C719 | QET61CM-107Z | CAPACITOR,ELECTROLYTIC | 100U SRA 16V M FM5 TP(5) | |
| | | C720 | LG-0CH1152K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 1500PF 50V K B 1608 R/TP | |
| | | C721 | LG-0CH1392K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 3900PF 50V 10% B(5YP) 1608 R/T | |
| | | C722 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C723 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C726 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C727 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C728 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C729 | QETF1HM-335Z | CAPACITOR,FIXED ELECTROLYTIC | 3.3UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C730 | LG-0CH4150K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 15P 50V J COG 1.6X0.8 R/TP | |
| | | C731 | LG-0CH4090K112 | CAPACITOR,FIXED CERAMIC(High d | 9PF 50V 0.5 pF NP0 1608 R/TP | |
| | | C732 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C751 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C752 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C755 | LG-0CE4754K638 | CAPACITOR,FIXED ELECTROLYTIC | 4.7UF SRA,SS 50V 20% FM5 TP 5 | |
| | | C756 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C7M1 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C7M2 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C7M3 | NDC31HJ-270X | CAPACITOR,CHIP[CERAMIC M/L TC | 27PF 50V J NP0 1608 R/TP | |
| | | C7M6 | NDC31HJ-270X | CAPACITOR,CHIP[CERAMIC M/L TC | 27PF 50V J NP0 1608 R/TP | |
| | | C7V1 | LG-0CE4764C638 | CAPACITOR,ELECTROLYTIC | 47M SRA 6.3V M FM5 TP(5) | |
| | | C7V2 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C7V3 | QETC1HM-105Z | CAPACITOR,ELECTROLYTIC | 1.0M SRA/SS50V M FM5 TP(5) | |
| | | C7V4 | LG-0CH1473H942 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0470UF 25V Z Y5V(F) 1608 R/T | |
| | | C7V5 | LG-0CH1473H942 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0470UF 25V Z Y5V(F) 1608 R/T | |
| | | C802 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C803 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C804 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C805 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C811 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C813 | LG-0CH1682K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 6800PF 50V 10% B(5YP) 1608 R/T | |
| | | C819 | LG-0CH1682K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 6800PF 50V 10% B(5YP) 1608 R/T | |
| | | C821 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C823 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C824 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C826 | LG-0CH1103K512 | CAPA,CHIP CERAMIC M/L H.D F/S | 0.0100UF 50V K B 1608 R/TP | |
| | | C827 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP | |
| | | C831 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C832 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C868 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C870 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C871 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C872 | LG-0CH4470K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 47P 50V J COG 1.6X0.8 R/TP | |
| | | C873 | LG-0CH4470K412 | CAPA,CHIP CERAMIC M/L T.C F/S | 47P 50V J COG 1.6X0.8 R/TP | |
| | | C884 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C885 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C889 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C890 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP | |
| | | C907 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C908 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C909 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C910 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C915 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C916 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C921 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C923 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C931 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C932 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C933 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C934 | LG-0CE1074C638 | CAPACITOR,FIXED ELECTROLYTIC | 100UF SRA,SS 6.3V 20% FM5 TP 5 | |
| | | C938 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C939 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C941 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C942 | LG-0CH1104K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 50V 10% B(5YP) 1608 R/TP | |
| | | C943 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C944 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C945 | LG-0CE4776C638 | CAPACITOR,AL.ELECTROLYTIC | 470U SMS 6.3V M FM5 TP(5) | |
| | | C946 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C947 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C948 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) | |
| | | C950 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C952 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | C953 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T | |
| | | CS50 | LG-6600M000002 | SWITCH,PUSH | MPU11810MLB0 MIC DC 5V 1MA D-3 | |
| | | D509 | 1SS133-T2 | DIODE,SWITCHING | 1SS133 DETECT,SW TP | |
| | | D803 | LG-0DR104009AB | DIODE,RECTIFIER | RL104 R. TP GULF SEMICONDUCTOR | |
| | | D804 | LG-0DR104009AB | DIODE,RECTIFIER | RL104 R. TP GULF SEMICONDUCTOR | |

NSP:Not Service Parts

| # ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|
| | D902 | 1SS133-T2 | DIODE,SWITCHING | 1SS133 DETECT,SW TP | |
| | ES50 | LG-4931R-0050C | HOLDER ASSEMBLY | END (DI) | |
| | ES50 | LG-4931R-0050C | HOLDER ASSEMBLY | END (DI) | |
| | F901 | LG-6200HJC901A | FILTER(CIRC),EMC | CFI06B1H101MF SAMHWA TP 2-5K | |
| | F902 | LG-6200HJC901A | FILTER(CIRC),EMC | CFI06B1H101MF SAMHWA TP 2-5K | |
| | F903 | LG-6200HJC901A | FILTER(CIRC),EMC | CFI06B1H101MF SAMHWA TP 2-5K | |
| | F904 | LG-6200HJC901A | FILTER(CIRC),EMC | CFI06B1H101MF SAMHWA TP 2-5K | |
| | F905 | LG-6200HJC901B | FILTER(CIRC),EMC | CFI06B1H471MF SAMHWA TP 2-5K | |
| | FL301 | LG-633-032K | COIL,IFT | BIAC OSC,1CHIP 5V(KS-75M) KWAN | |
| | IC501 | LG-0IMCRHI028A | IC,MICRO CONTROLLER | HD6432197SA21F HITACHI 112PIN | |
| | IC503 | S524A60X51-DCB0 | IC,SAMSUNG ELECTRONICS | S524A60X51-SCT0 8P SOP TP EEPR | |
| | IC504 | LG-0IKE703100A | IC,KEC | KIA7031P 3P 3.1V RESET(TAPING) | |
| | IC504 | LG-0ISS753100A | IC,SAMSUNG ELECTRONICS | KA7531Z TO-92 TP 3.1V RESET | |
| | IC505 | LG-0IKE704200B | IC,KEC | KIA7042P 3P 4.2V RESET(TAPING) | |
| | IC5F1 | LG-0ILNRPY001B | IC,LINEAR | PT6955 PTC 24PIN SOP R/TP LED | |
| | IC751 | LG-0IIT341700B | IC,ITT | MSP3417D-QG QFP44 BK NICAM+A2 | |
| | IC751 | MSP3417GQGB8V3X | IC,ITT | MSP3417G-QG-B8-V3 44 QFP TRAY | |
| | IC7V1 | LG-0ILNRMN001B | IC,LINEAR | SDA5650X GEG MICRONAS 20PIN SO | |
| | IC801 | LG-0IPH960500A | IC,PHILIPS | TDA9605H QFP44 BK HIFI AMP+HIF | |
| | IC802 | MM1443XJ-X | IC,PERIPHERALS | MM1443XJBE MITSUMI 34PIN SSOP | |
| | IC802 | MM1232XF-X | IC,PERIPHERALS | MM1232XFBE MITSUMI 16PIN SOP R | |
| | IC901 | LG-0IPRPMT006A | IC,PERIPHERALS | MM1225XFBE MITSUMI 8PIN SOP R/ | |
| | IC901 | LG-0IPRPMT006A | IC,PERIPHERALS | MM1225XFBE MITSUMI 8PIN SOP R/ | |
| | IC901 | LG-0IPRPMT006A | IC,PERIPHERALS | MM1225XFBE MITSUMI 8PIN SOP R/ | |
| | JK5L1 | LG-6612RIV005D | JACK,RCA | DPAM-0152 DOOWON 3PIN YL/WH/RD | |
| | JK901 | LG-6612J00025G | JACK,RCA | RCA/DIN-38(9PIN)SILVER YUQIU | |
| | L301 | LG-GLR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L301 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L301 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L302 | LG-0LR1000K035 | INDUCTOR RADIAL LEAD | 100M K 6X6 L5 TP | |
| | L303 | LG-0LA1800K018 | INDUCTOR AXIAL LEAD | 180M K 2.3X3.4 L5 TP | |
| | L304 | LG-GLR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L304 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L304 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L305 | LG-0LA0392K018 | INDUCTOR AXIAL LEAD | 39M K 2.3X3.4 L5 TP | |
| | L306 | LG-0LR1000K035 | INDUCTOR RADIAL LEAD | 100M K 6X6 L5 TP | |
| | L307 | LG-0LA0122K018 | INDUCTOR AXIAL LEAD | 12M K 2.3X3.4 L5 TP | |
| | L308 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L308 | LG-GLR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L308 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L311 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L311 | LG-GLR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L311 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L501 | LG-0LA0122K018 | INDUCTOR AXIAL LEAD | 12M K 2.3X3.4 L5 TP | |
| | L503 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L503 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L504 | LG-0LR0102J0N5 | INDUCTOR,RADIAL LEAD | 10UH 5% TP 3X5 TR5 | |
| | L504 | LG-0LR0102K0P5 | INDUCTOR,RADIAL LEAD | LF7.5N OEL 10UH 10% TP 4.8X4.0 | |
| | L505 | LG-0LR1000K035 | INDUCTOR RADIAL LEAD | 100M K 6X6 L5 TP | |
| | L506 | LG-635-027C | INDUCTOR,RADIAL LEAD | EL0405RA SKI150G-3 K-TDK 15UH | |
| | L5F1 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L5F2 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L5G1 | LG-0LR4700K035 | INDUCTOR RADIAL LEAD | 470M K 6X6 L5 TP | |
| | L5S1 | LG-0LA0332K018 | INDUCTOR AXIAL LEAD | 33M K 2.3X3.4 L5 TP | |
| | L701 | LG-0LR1000K035 | INDUCTOR RADIAL LEAD | 100M K 6X6 L5 TP | |
| | L702 | LG-0LR0102K035 | INDUCTOR RADIAL LEAD | 10M K 6X6 L5 TP | |
| | L704 | LG-0LR0102K035 | INDUCTOR RADIAL LEAD | 10M K 6X6 L5 TP | |
| | L705 | LG-0LR0102K035 | INDUCTOR RADIAL LEAD | 10M K 6X6 L5 TP | |
| | L706 | LG-0LA0821K018 | INDUCTOR AXIAL LEAD | 8.2M K 2.3X3.4 L5 TP | |
| | L7M1 | LG-0LR1000K035 | INDUCTOR RADIAL LEAD | 100M K 6X6 L5 TP | |
| | L901 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L902 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L903 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L904 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L905 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L906 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L907 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L908 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L909 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | L910 | LG-0LA1000K018 | INDUCTOR AXIAL LEAD | 100M K 2.3X3.4 L5 TP | |
| | LD50 | LG-4931R-0017C | HOLDER ASSEMBLY | LED(DI-CKD)LOCAL | |
| | MS50 | LG-6600JB8005C | SWITCH,MODE | MMS00721ZMB0 MIC 5VDC 1MA D-35 | |
| | MS50 | LG-6600JB8005B | SWITCH,MODE | NON 5V 1MA VERTICAL -G | |
| | Q301 | LG-0TR534409AA | TRANSISTOR | 2SC5344Y TP | |
| | Q301 | LG-0TR320309AA | TRANSISTOR,BIPOLARS | KTC3203 KEC TP TO92 50V 150MA | |
| | Q302 | LG-0TR127309AA | TRANSISTOR | KTA1273-TP-Y (KTA966A)KEC | |
| | Q303 | KRC103S-X | TRANSISTOR | CHIP KRC103S-T1(NC)22-22 KEC | |
| | Q305 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q306 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q307 | LG-0TR103009AC | TRANSISTOR | KRA103S-T1(PC)22-22 CHIP KEC | |
| | Q3S2 | KRC103S-X | TRANSISTOR | CHIP KRC103S-T1(NC)22-22 KEC | |
| | Q3S3 | KRC103S-X | TRANSISTOR | CHIP KRC103S-T1(NC)22-22 KEC | |
| | Q501 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q502 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q503 | LG-0TR127309AA | TRANSISTOR | KTA1273-TP-Y (KTA966A)KEC | |
| | Q504 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q505 | KTA1504/G/-X | TRANSISTOR | KTA1504-GR-T1(ASG) CHIP KEC | |
| | Q514 | KRC103S-X | TRANSISTOR | CHIP KRC103S-T1(NC)22-22 KEC | |
| | Q515 | KRC103S-X | TRANSISTOR | CHIP KRC103S-T1(NC)22-22 KEC | |
| | Q5L1 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q5L2 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q5S1 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q705 | LG-0TR320509AB | TRANSISTOR | KTC3205-TP-Y (KTC2236A)KEC | |
| | Q801 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q802 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q803 | KTA1504/G/-X | TRANSISTOR | KTA1504-GR-T1(ASG) CHIP KEC | |
| | Q804 | KTA1504/G/-X | TRANSISTOR | KTA1504-GR-T1(ASG) CHIP KEC | |
| | Q805 | KTA1504/G/-X | TRANSISTOR | KTA1504-GR-T1(ASG) CHIP KEC | |
| | Q806 | KTA1504/G/-X | TRANSISTOR | KTA1504-GR-T1(ASG) CHIP KEC | |
| | Q901 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q902 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | Q903 | LG-0TR387509AC | TRANSISTOR | CHIP KTC3875S-GR-T1(ALG) KEC | |
| | R301 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R302 | NRSA6AD-334W | RESISTOR,METAL GLAZED(CHIP) | 330K OHM 1 / 16 W 1608 5.00% D | |
| | R303 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R304 | NRSA6AD-473W | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 16 W 1608 5.00% D | |
| | R305 | NRSA63J-223X | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D | |
| | R307 | NRSA63J-752X | RESISTOR,METAL GLAZED(CHIP) | 7.5K OHM 1 / 16 W 1608 5.00% D | |
| | R308 | NRSA63J-752X | RESISTOR,METAL GLAZED(CHIP) | 7.5K OHM 1 / 16 W 1608 5.00% D | |
| | R309 | NRSA6AD-470W | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D | |
| | R310 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | R311 | NRSA6AD-272W | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D | |
| | R312 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R313 | NRSA6AD-2R2W | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 16 W 1608 5.00% D | |
| | R314 | NRSA6AD-2R2W | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 16 W 1608 5.00% D | |
| | R315 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R316 | NRSA6AD-272W | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D | |
| | R317 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R318 | NRSA6AD-473W | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 16 W 1608 5.00% D | |
| | R319 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R320 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R322 | NRSA6AD-823W | RESISTOR,METAL GLAZED(CHIP) | 82K OHM 1 / 16 W 1608 5.00% D | |
| | R323 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R324 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | R325 | NRSA6AD-272W | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D | |
| | R327 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R332 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R333 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R337 | NRSA6AD-473W | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 16 W 1608 5.00% D | |
| | R338 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R3S2 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R501 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R502 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R503 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R504 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R505 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R506 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R508 | NRSA63J-332X | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D | |
| | R509 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R510 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R512 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R513 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R514 | NRSA6AD-124W | RESISTOR,METAL GLAZED(CHIP) | 120K OHM 1 / 16 W 1608 5.00% D | |
| | R515 | NRSA6AD-270W | RESISTOR,METAL GLAZED(CHIP) | 270 OHM 1 / 16 W 1608 5.00% D | |
| | R516 | NRSA6AD-474W | RESISTOR,METAL GLAZED(CHIP) | 470K OHM 1 / 16 W 1608 5.00% D | |
| | R517 | NRSA63J-471X | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D | |
| | R518 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R520 | NRSA6AD-392W | RESISTOR,METAL GLAZED(CHIP) | 3.9K OHM 1 / 16 W 1608 5.00% D | |
| | R521 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R522 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R523 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R524 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | R525 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R526 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R528 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R529 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R530 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R531 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R532 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | R535 | NRSA6AD-474W | RESISTOR,METAL GLAZED(CHIP) | 470K OHM 1 / 16 W 1608 5.00% D | |
| | R542 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R543 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R544 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R545 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R546 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R547 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R548 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | R550 | NRSA6AD-221W | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 10 W 2012 5.00% D | |

NSP:Not Service Parts

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|---|
| | | R553 | NRSA6AD-221W | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 10 W 2012 5.00% D | |
| | | R554 | NRSA63J-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D | |
| | | R555 | NRSA6AD-221W | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 10 W 2012 5.00% D | |
| | | R556 | NRSA63J-223X | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D | |
| | | R557 | NRSA6AD-273W | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D | |
| | | R558 | NRSA63J-223X | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D | |
| | | R559 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R560 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R561 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R562 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R563 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | | R564 | NRSA6AD-273W | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D | |
| | | R566 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R567 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R568 | NRSA6AD-683W | RESISTOR,METAL GLAZED(CHIP) | 68K OHM 1 / 16 W 1608 5.00% D | |
| | | R569 | NRSA63J-105X | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D | |
| | | R570 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R575 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R576 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R577 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R578 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R579 | NRSA63J-563X | RESISTOR,METAL GLAZED(CHIP) | 56K OHM 1 / 16 W 1608 5.00% D | |
| | | R582 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R583 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R589 | NRSA63J-105X | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D | |
| | | R591 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R592 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R593 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R5A2 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R5A3 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R5A5 | NRSA6AD-474W | RESISTOR,METAL GLAZED(CHIP) | 470K OHM 1 / 16 W 1608 5.00% D | |
| | | R5B3 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5B4 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5B5 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R5C1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5C5 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5C6 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5C7 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5C9 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R5F1 | NRSA63J-563X | RESISTOR,METAL GLAZED(CHIP) | 56K OHM 1 / 16 W 1608 5.00% D | |
| | | R5F2 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R5F3 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R5F4 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R5K1 | NRSA63J-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D | |
| | | R5K2 | NRSA6AD-821W | RESISTOR,METAL GLAZED(CHIP) | 820 OHM 1 / 16 W 1608 5.00% D | |
| | | R5K3 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | | R5K4 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | | R5K9 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R5L1 | NRSA02D-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 10 W 2012 5.00% D | |
| | | R5L2 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5L3 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5L4 | NRSA02D-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 10 W 2012 5.00% D | |
| | | R5P2 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R5P3 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R5R8 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R5S1 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | | R705 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R706 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R707 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R710 | NRSA63J-332X | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D | |
| | | R711 | NRSA63J-332X | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D | |
| | | R712 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R713 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | | R714 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R716 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R717 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R718 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R719 | NRSA02D-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D | |
| | | R720 | NRSA02D-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D | |
| | | R7M1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R7M2 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R7M4 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R7M5 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R7V1 | NRSA63J-105X | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D | |
| | | R7V2 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V3 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V4 | NRSA6AD-564W | RESISTOR,METAL GLAZED(CHIP) | 560K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V5 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V6 | NRSA6AD-564W | RESISTOR,METAL GLAZED(CHIP) | 560K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V7 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R7V8 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R7V9 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R801 | NRSA6AD-335W | RESISTOR,METAL GLAZED(CHIP) | 3.3M OHM 1 / 16 W 1608 5.00% D | |
| | | R802 | NRSA6AD-333W | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D | |
| | | R803 | NRSA6AD-272W | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R804 | NRSA6AD-393W | RESISTOR,METAL GLAZED(CHIP) | 39K OHM 1 / 16 W 1608 5.00% D | |
| | | R805 | NRSA6AD-272W | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R806 | NRSA6AD-333W | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D | |
| | | R807 | NRSA63J-471X | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D | |
| | | R808 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R809 | NRSA6AD-183W | RESISTOR,METAL GLAZED(CHIP) | 18K OHM 1 / 16 W 1608 5.00% D | |
| | | R810 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R811 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R812 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R821 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | | R822 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R823 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | | R824 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R825 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R826 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R835 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R850 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R851 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | | R852 | NRSA02D-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 10 W 2012 5.00% D | |
| | | R853 | NRSA02D-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 10 W 2012 5.00% D | |
| | | R854 | NRSA02D-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 10 W 2012 5.00% D | |
| | | R855 | NRSA02D-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 10 W 2012 5.00% D | |
| | | R861 | NRSA6AD-273W | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D | |
| | | R862 | NRSA6AD-273W | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D | |
| | | R863 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R864 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R865 | NRSA63J-105X | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D | |
| | | R866 | NRSA63J-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D | |
| | | R867 | NRSA6AD-391W | RESISTOR,METAL GLAZED(CHIP) | 390 OHM 1 / 16 W 1608 5.00% D | |
| | | R868 | NRSA02D-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 10 W 2012 5.00% D | |
| | | R871 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R874 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R875 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R876 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R877 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R8J1 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R8J2 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R901 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | | R902 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | | R903 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R904 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R905 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R906 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R907 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | | R908 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R909 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R910 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R911 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R913 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R914 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R919 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | | R920 | NRSA63J-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D | |
| | | R921 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R922 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R923 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R924 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R925 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | | R927 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R928 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R929 | NRSA63J-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D | |
| | | R930 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | | R931 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R932 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | | R933 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R934 | NRSA63J-104X | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D | |
| | | R935 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | | R937 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | | R938 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | | R940 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | | R941 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | | R942 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | | RS501 | LG-6500RAB003A | SENSOR | SG-260 KODENSHI D33 REEL SENSO | |
| | | RS502 | LG-6500RAB007A | SENSOR | GP1S566V SHARP REEL SENSOR OF | |
| | | RS501 | LG-6500RAB003A | SENSOR | SG-260 KODENSHI D33 REEL SENSO | |
| | | RS502 | LG-6500RAB007A | SENSOR | GP1S566V SHARP REEL SENSOR OF | |
| | | SC901 | LG-6620RM0002L | JACK,SCART | DSAM-0139 DOOWON 2F-21P(BK-BK) | |
| | | SW501 | LG-556-213C | SWITCH,DETECTOR | THVV951BAA POSTECH DC 12 V 5-0 | |
| | | SW502 | LG-556-213C | SWITCH,DETECTOR | THVV951BAA POSTECH DC 12 V 5-0 | |
| | | SW503 | LG-556-213C | SWITCH,DETECTOR | THVV951BAA POSTECH DC 12 V 5-0 | |
| | | SW504 | LG-556-213C | SWITCH,DETECTOR | THVV951BAA POSTECH DC 12 V 5-0 | |
| | | SW505 | LG-556-213C | SWITCH,DETECTOR | THVV951BAA POSTECH DC 12 V 5-0 | |
| | | TU701 | LG-6700PFPL06F | TUNER | TADC-M401D(GKI,LGIT) LG INOTEK | |
| | | X501 | LG-6212AA2100C | RESONATOR,CRYSTAL | HC-49S BUBANG 10MHZ +/- 30 PPM | |

NSP:Not Service Parts

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|---|
| | | X501 | LG-6202R31001F | RESONATOR,CRYSTAL | HC-49S KEUMSEOK 10-0000MHZ 30P | |
| | | X502 | QAX0444-001 | RESONATOR,CRYSTAL | CFS-308 CITIZEN 32.768KHZ +/- | |
| | | X502 | LG-6212AC2327E | RESONATOR,CRYSTAL | C-001R SEIKO EPSON 32.768 KHZ | |
| | | X751 | LG-529-021Q | RESONATOR,CRYSTAL | 49U BUBANG 18432000HZ 30PPM 16 | |
| | | ZD501 | UZ7.5BSB | DIODE,ZENER | UZ-7.5BSB 26MM TP PYUNG CHANG | |
| | | ZD501 | UZ7.5BSB | DIODE,ZENER | UZ-7.5BSB 26MM TP PYUNG CHANG | |
| | | ZD701 | MTZJ5.6C | DIODE,ZENER | MTZ5.6C TP(26MM) ROHM 5.6V | |

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## DVD BORAD ASSEMBLY <50>

| | | | |
|---|---|---|---|
| A46A | LG-6885R-7422C | SUB PWB(PCB) ASSEMBLY | VJW602CF SERIES DI (474200D212 |
| C201 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C202 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C203 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C204 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C205 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C206 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C207 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C208 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C209 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C210 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C211 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C212 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C213 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C214 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C215 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C216 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C224 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C225 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C226 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C229 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C230 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C231 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C232 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C238 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C239 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C240 | LG-0CH1222K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 2200PF 50V K X7R(X) 1608 R/TP |
| C242 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C245 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C251 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C252 | LG-0CH4100K112 | CHIP CAPA CERAMIC M/L T.C F/S | 10P 50V D COG 1.6X0.8 R/TP |
| C253 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C254 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C255 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C258 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C261 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C262 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C263 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C264 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C265 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C272 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C273 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C274 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C277 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C278 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C279 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C280 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C281 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C282 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C284 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C285 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C286 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C287 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C288 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C289 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C290 | NDC31HJ-180X | CAPACITOR,CHIP[CERAMIC M/L TC | 18P 50V J COG 1.6X0.8 R/TP |
| C291 | NDC31HJ-180X | CAPACITOR,CHIP[CERAMIC M/L TC | 18P 50V J COG 1.6X0.8 R/TP |
| C292 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C293 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C294 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C295 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C296 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C297 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C298 | LG-0CE4775C638 | CAPACITOR,FIXED ELECTROLYTIC | 470UF SR,SV 6.3V 20% FM5 TP 5 |
| C2A0 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C2A3 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2A4 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C2A5 | LG-0CH1683F942 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.068UF 16V 80%,-20% Y5V(F) 16 |
| C2A6 | LG-0CH1102K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% X7R(X) 1608 R/T |
| C2A7 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2A8 | LG-0CH1152K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1500PF 50V 10% X7R(X) 1608 R/T |
| C2A9 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2B3 | LG-0CH1392K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 3900PF 50V K Z5U(E) 1608 R/TP |
| C2B4 | LG-0CH1683F942 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.068UF 16V 80%,-20% Y5V(F) 16 |
| C2B5 | LG-0CH1333K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.033UF 50V K X7R(X) 1508 R/TP |
| C2B9 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2C1 | LG-0CH1103K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |
| C2C2 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C2C4 | LG-0CH1102K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% X7R(X) 1608 R/T |
| C2C5 | LG-0CH1332K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 3300P 50V K X7R 1.6X0.8 R/TP |
| C2C6 | LG-0CH1102K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% X7R(X) 1608 R/T |
| C2C8 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2C9 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C2D0 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C2D1 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C2D2 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2D3 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2D4 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C2D5 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C2D6 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2D7 | LG-0CH1152K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 1500PF 50V 10% X7R(X) 1608 R/T |
| C2D9 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M1 | QET61CM-107Z | CAPACITOR,ELECTROLYTIC | 100U SRA 16V M FM5 TP(5) |
| C2M2 | LG-0CH1682K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 6800P 50V K X7R 1.6X0.8 R/TP |
| C2M3 | LG-0CH1472K562 | CAPACITOR,CHIP[CERAMIC M/L HD | 4700PF 50V K X7R(X) 1608 R/TP |
| C2M4 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M5 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M6 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M7 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M8 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2M9 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2N1 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C2N3 | LG-0CH1223K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.022UF 50V Z Y5V(F) 1508 R/TP |
| C2N4 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C301 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C302 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C303 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C304 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C305 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C306 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C307 | LG-0CH1105D942 | CAPACITOR,CHIP[CERAMIC M/L HD | 1UF 10V Z Y5V(F) 1508 R/TP |
| C308 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C309 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C314 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C316 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C317 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C318 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C319 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C320 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C321 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C323 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C324 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C3F1 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C3F2 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C3F3 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C401 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C402 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C403 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C404 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C405 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C406 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C408 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C409 | LG-0CE2274C638 | CAPACITOR,ELECTROLYTIC | 220M SRA 6.3V M FM5 TP(5) |
| C410 | LG-0CH4271K412 | CAPACITOR,FIXED CERAMIC(HIGH D | 270PF 50V 5% NP0 1608 R/TP |
| C411 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |
| C412 | LG-0CH4271K412 | CAPACITOR,FIXED CERAMIC(HIGH D | 270PF 50V 5% NP0 1608 R/TP |
| C413 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C414 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C415 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C416 | LG-0CH1102K512 | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |
| C417 | LG-0CH4271K412 | CAPACITOR,FIXED CERAMIC(HIGH D | 270PF 50V 5% NP0 1608 R/TP |
| C418 | LG-0CH1392K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 3900PF 50V K Z5U(E) 1608 R/TP |
| C419 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C420 | LG-0CH1392K562 | CAPACITOR,FIXED CERAMIC(Temp.c | 3900PF 50V K Z5U(E) 1608 R/TP |
| C421 | QET61CM-226 | CAPACITOR,ELECTROLYTIC | 22M SRA 16V M FM5 TP(5) |
| C422 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C423 | LG-0CH4271K412 | CAPACITOR,FIXED CERAMIC(HIGH D | 270PF 50V 5% NP0 1608 R/TP |
| C424 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C425 | LG-0CH1104K942 | CAPACITOR,CHIP[CERAMIC M/L HD | 0.1UF 50V Z Y5V(F) 1508 R/TP |
| C501 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |
| C502 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 |
| C503 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 |
| C504 | QET61CM-106Z | CAPACITOR,ELECTROLYTIC | 10M SRA 16V M FM5 TP(5) |
| C506 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 |
| C507 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) |

NSP:Not Service Parts

| # ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|
| | C508 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C509 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C510 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C511 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C512 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C513 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C514 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C515 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C516 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C517 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C518 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C519 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C520 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C521 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C522 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C523 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 | |
| | C525 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C526 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C527 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C528 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C529 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C530 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C531 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C532 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C533 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C534 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C535 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C536 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C538 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 | |
| | C540 | NDC31HJ-220X | CAPA,CHIP CERAMIC M/L T.C F/S | 22P 50V J COG 1.6X0.8 R/TP | |
| | C541 | NDC31HJ-270X | CAPACITOR,CHIP[CERAMIC M/L TC | 27PF 50V J NP0 1608 R/TP | |
| | C542 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C543 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C544 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 | |
| | C546 | NDC31HJ-221X | CAPACITOR,CHIP[CERAMIC M/L TC | 220P 50V J COG 1.6X0.8 R/TP | |
| | C549 | NDC31HJ-221X | CAPACITOR,CHIP[CERAMIC M/L TC | 220P 50V J COG 1.6X0.8 R/TP | |
| | C550 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C553 | NDC31HJ-221X | CAPACITOR,CHIP[CERAMIC M/L TC | 220P 50V J COG 1.6X0.8 R/TP | |
| | C554 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C555 | NDC31HJ-101X | CHIP CAPA CERAMIC M/L T.C F/S | 100P 50V J COG 1.6X0.8 R/TP | |
| | C556 | NDC31HJ-101X | CHIP CAPA CERAMIC M/L T.C F/S | 100P 50V J COG 1.6X0.8 R/TP | |
| | C557 | NDC31HJ-270X | CAPACITOR,CHIP[CERAMIC M/L TC | 27PF 50V J NP0 1608 R/TP | |
| | C558 | NCF31CZ-104X | CAPACITOR,FIXED CERAMIC(Temp.c | 0.1UF 16V 80%,-20% Y5V(F) 1608 | |
| | C559 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | C560 | LG-0CH1225F944 | CAPACITOR,FIXED CERAMIC(Temp.c | 2.2UF 16V 80%,-20% Y5V(F) 3216 | |
| | C561 | QET61CM-476 | CAPACITOR,ELECTROLYTIC | 47M SRA/SS 16V M FM5 TP(5) | |
| | D2A1 | DAN202K-X | DIODE,SWITCHING | DAN202K TP ROHM KOREA SOT23 80 | |
| | D2A2 | DAN202K-X | DIODE,SWITCHING | DAN202K TP ROHM KOREA SOT23 80 | |
| | D2A3 | DAN202K-X | DIODE,SWITCHING | DAN202K TP ROHM KOREA SOT23 80 | |
| | D401 | DAP202K-X | DIODE,SWITCHING | DAP202K T146 ROHM R/TP SMD 80V | |
| | IC201 | LG-0ILNRHY002B | IC,LINEAR | HDC25D811B HYUNDAI 208 QFP TRA | |
| | IC206 | TCW04FU-X | IC,TOSHIBA | TC7W04FU | |
| | IC2A1 | LG-0ILNRHI003A | IC,LINEAR | HD153702TF HITACHI 64 TQFP TRA | |
| | IC2A2 | NJM3414AM-X | IC,JRC | NJM3414AM-TE1,3K/REEL. JRC | |
| | IC2A4 | LG-0IKE393000G | IC,KEC | KIA393F-EL FLP-8 TP DUAL COMPA | |
| | IC2M1 | LG-0IFA303200A | IC,FAIRCHILD | KA3032 48QFP BK 5CH MOTOR DRIV | |
| | IC2M1 | LG-0ILNRFA013A | IC,LINEAR | FAN8004 FAIRCHILD 48 QFP TRAY | |
| | IC301 | LG-0IXL957210C | IC,XILINX | XC9572XL-10TQ100C 100 QFP TRAY | |
| | IC301 | LG-0ICTMHY011A | IC,CUSTOMIZED | HS353106 HYNIX 100 TQFP TRAY C | |
| | IC305 | LG-0IHY576532A | IC,HYUNDAI | HY57V653220CTC-7 86P TSOP BK S | |
| | IC305 | LG-0IMMRHY025A | IC,MEMORIES | HY57V643220CT-7 HYUNDAI 86P TS | |
| | IC3F1 | LG-0IMMRFU001B | IC,MEMORIES | MBM29LV800BA-90PFTN FUJITSU 48 | |
| | IC3F1A | LG-6957R-412AA | PROGRAM | VJW602CS (JVC) DVD PROGRAM | |
| | IC401 | LG-0IPRPCI003B | IC,PERIPHERALS | CS4391-KZR CIRRUS LOGIC 20 TSS | |
| | IC402 | NJM4580M-X | IC,JRC | NJM4580M 8,DMP8 TP OP AMP 2K/R | |
| | IC501 | LG-0INS860200A | IC,NATIONAL SEMICONDUCTOR | NDV8602 240 VQFP BK MICOM+MPEG | |
| | IC502 | LG-0IMMRCB001A | IC,MEMORIES | CAT93C56S-TE13 CRYSTAL SEMICON | |
| | IC502 | LG-0IMMRAL012A | IC,MEMORIES | AT93C56-10SC(SI)-2.7-8S1 ATMEL | |
| | IC503 | LG-0IFA742440F | IC,FAIRCHILD | MM74HCT244SJ 20P SOIC TP 3-STA | |
| | IC506 | LG-0IPMGA7001A | IC,POWER MANAGEMENT | AMC1117-1.8SJ ADD MICROTECH 3P | |
| | L201 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L206 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L207 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L208 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L2A1 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L2A2 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L301 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L302 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L3F1 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L501 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L502 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L503 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L504 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L505 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L506 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L507 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L510 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | L511 | LG-6200HJC102A | FILTER(CIRC),EMC | HB-1M2012-102JT CERATECH TP | |
| | Q2A1 | 2SA1037K/QR/-X | TRANSISTOR,BIPOLARS | 2SA1037K-Q CHIP TP ROHM - - | |
| | Q2A2 | 2SA1037K/QR/-X | TRANSISTOR,BIPOLARS | 2SA1037K-Q CHIP TP ROHM - - | |
| | Q2A5 | LG-0TR388209AA | TRANSISTOR,BIPOLARS | CHIP KTC3882 SOT-23 TP KEC - - | |
| | Q2A6 | LG-0TR388209AA | TRANSISTOR,BIPOLARS | CHIP KTC3882 SOT-23 TP KEC - - | |
| | Q2M1 | DTC124EKA-X | TRANSISTOR,BIPOLARS | DTC124EK TP ROHM KOREA SOT23 3 | |
| | Q401 | 2SA1037K/QR/-X | TRANSISTOR,BIPOLARS | 2SA1037K-Q CHIP TP ROHM - - | |
| | Q404 | LG-0TR103009AC | TRANSISTOR | KRA103S-T1(PC)22-22 CHIP KEC | |
| | Q405 | LG-0TR103009AC | TRANSISTOR | KRA103S-T1(PC)22-22 CHIP KEC | |
| | R201 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R202 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R203 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R204 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R207 | NRSA63J-105X | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D | |
| | R217 | NRSA63J-100X | RESISTOR,METAL GLAZED(CHIP) | 10 OHM 1 / 16 W 1608 5.00% D | |
| | R218 | NRSA63J-471X | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D | |
| | R219 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R220 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R230 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R231 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R232 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R233 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R234 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R235 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R236 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R237 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R239 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R240 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R241 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R242 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R243 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R252 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R269 | LG-0LC0233002B | INDUCTOR,CHIP | HB-1S1608-800JT CERATECH R/TP | |
| | R271 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R272 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R273 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | R274 | NRSA63J-621X | RESISTOR,METAL GLAZED(CHIP) | 620 OHM 1 / 16 W 1608 5.00% D | |
| | R275 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | R276 | NRSA63J-911X | RESISTOR,METAL GLAZED(CHIP) | 910 OHM 1 / 16 W 1608 5.00% D | |
| | R277 | NRSA63J-151X | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 5.00% D | |
| | R278 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R279 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R281 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R290 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R291 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R292 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R293 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R294 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R295 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2A1 | NRSA63J-910X | RESISTOR,METAL GLAZED(CHIP) | 91 OHM 1 / 16 W 1608 5.00% D | |
| | R2A2 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2A6 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R2A9 | NRSA63J-563X | RESISTOR,METAL GLAZED(CHIP) | 56K OHM 1 / 16 W 1608 5.00% D | |
| | R2B0 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2B1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2B2 | NRSA63J-180X | RESISTOR,METAL GLAZED(CHIP) | 18 OHM 1 / 16 W 1608 5.00% D | |
| | R2B3 | NRSA63J-180X | RESISTOR,METAL GLAZED(CHIP) | 18 OHM 1 / 16 W 1608 5.00% D | |
| | R2B4 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2B5 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2B6 | NRSA63J-180X | RESISTOR,METAL GLAZED(CHIP) | 18 OHM 1 / 16 W 1608 5.00% D | |
| | R2B7 | NRSA63J-180X | RESISTOR,METAL GLAZED(CHIP) | 18 OHM 1 / 16 W 1608 5.00% D | |
| | R2B8 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2C0 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2C4 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2C5 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2C6 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2C7 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2C8 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2C9 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2D0 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2D1 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2D2 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2D3 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2D4 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2D5 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R2D6 | NRSA63J-910X | RESISTOR,METAL GLAZED(CHIP) | 91 OHM 1 / 16 W 1608 5.00% D | |
| | R2E6 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R2E7 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R2E8 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R2E9 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2F1 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |

NSP:Not Service Parts

| # ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | SPECIFICATION | NSP |
|---|---|---|---|---|---|
| | R2F2 | NRSA63J-221X | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D | |
| | R2F3 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R2F4 | NRSA63J-101X | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D | |
| | R2F5 | NRSA6AD-223W | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 1.00% D | |
| | R2F6 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2F7 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2F8 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R2F9 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R2G1 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R2G2 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R2G3 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2G4 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2G7 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2G9 | NRSA63J-151X | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 5.00% D | |
| | R2M1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2M2 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2M3 | NRSA63J-752X | RESISTOR,METAL GLAZED(CHIP) | 7.5K OHM 1 / 16 W 1608 5.00% D | |
| | R2M5 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2M6 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2M7 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2M8 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2M9 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2N0 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R2N1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2N2 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R2N3 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2N4 | NRSA63J-153X | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D | |
| | R2N5 | NRSA63J-123X | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D | |
| | R2N6 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2N7 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2N8 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2N9 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2P0 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R2P1 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2P2 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2P3 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2P7 | NRSA63J-223X | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D | |
| | R2P8 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R2P9 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R2Q1 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R2R1 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R2R2 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R303 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R306 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R307 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R308 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R309 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R310 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R315 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R317 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R318 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R319 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R320 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R321 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R322 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R323 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R364 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R365 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R366 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R367 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R368 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R369 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R370 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R371 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R3F1 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R3F2 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R3F3 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R3F4 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R3F5 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R401 | NRSA63J-180X | RESISTOR,METAL GLAZED(CHIP) | 18 OHM 1 / 16 W 1608 5.00% D | |
| | R403 | NRSA63J-100X | RESISTOR,METAL GLAZED(CHIP) | 10 OHM 1 / 16 W 1608 5.00% D | |
| | R404 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R405 | NRSA63J-182X | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D | |
| | R406 | NRSA63J-182X | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D | |
| | R407 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R409 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R410 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R411 | NRSA63J-682X | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D | |
| | R412 | NRSA63J-182X | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D | |
| | R413 | NRSA63J-822X | RESISTOR,METAL GLAZED(CHIP) | 8.2K OHM 1 / 16 W 1608 5.00% D | |
| | R414 | NRSA63J-562X | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D | |
| | R415 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R416 | NRSA63J-822X | RESISTOR,METAL GLAZED(CHIP) | 8.2K OHM 1 / 16 W 1608 5.00% D | |
| | R417 | NRSA63J-182X | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D | |
| | R418 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R419 | NRSA63J-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D | |
| | R420 | NRSA63J-331X | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D | |
| | R428 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R429 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R430 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R431 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R432 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R433 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | R434 | NRSA63J-561X | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 16 W 1608 5.00% D | |
| | R435 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R436 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R437 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R438 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R439 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R440 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R441 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R501 | NRSA63J-332X | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D | |
| | R502 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R503 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R504 | NRSA6AD-151W | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 1.00% D | |
| | R505 | NRSA63J-100X | RESISTOR,METAL GLAZED(CHIP) | 10 OHM 1 / 16 W 1608 5.00% D | |
| | R506 | NRSA6AD-102W | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 1.00% D | |
| | R507 | NRSA63J-111X | RESISTOR,METAL GLAZED(CHIP) | 110 OHM 1 / 16 W 1608 5.00% D | |
| | R508 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | R509 | NRSA63J-111X | RESISTOR,METAL GLAZED(CHIP) | 110 OHM 1 / 16 W 1608 5.00% D | |
| | R510 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | R514 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | R515 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | R516 | LG-6200JB8010V | FILTER(CIRC),EMC | LFA20-2A1E473MT MITSUBISHI MAT | |
| | R520 | NRSA63J-220X | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D | |
| | R521 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R522 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R523 | NRSA63J-472X | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D | |
| | R524 | NRSA63J-102X | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D | |
| | R525 | LG-0LC0233002B | INDUCTOR,CHIP | HB-1S1608-800JT CERATECH R/TP | |
| | R530 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R531 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R532 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R533 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R534 | NRSA63J-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D | |
| | R535 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R541 | NRSA63J-103X | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D | |
| | R588 | NRSA6AD-151W | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 1.00% D | |
| | R589 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | R590 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | R591 | NRSA63J-750X | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D | |
| | R592 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | R602 | NRSA63J-681X | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D | |
| | R603 | NRSA6AD-821W | RESISTOR,METAL GLAZED(CHIP) | 820 OHM 1 / 16 W 1608 5.00% D | |
| | R604 | NRSA63J-122X | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D | |
| | R605 | NRSA63J-152X | RESISTOR,METAL GLAZED(CHIP) | 1.5K OHM 1 / 16 W 1608 5.00% D | |
| | R606 | NRSA63J-222X | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D | |
| | R607 | NRSA63J-332X | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D | |
| | R609 | NRSA63J-0R0X | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D | |
| | X201 | LG-6202R-BM04C | RESONATOR,CRYSTAL | HC-49/S BUBANG 33-8688MHZ 5 | |
| | X501 | LG-6212AA2271F | RESONATOR,CRYSTAL | HC-49S KITELCO 27MHZ +/- 20 PP | |
| | X501 | LG-6202R-BL06C | RESONATOR,CRYSTAL | HC-49/S BUBANG 27MHZ 20PPM 1 | |