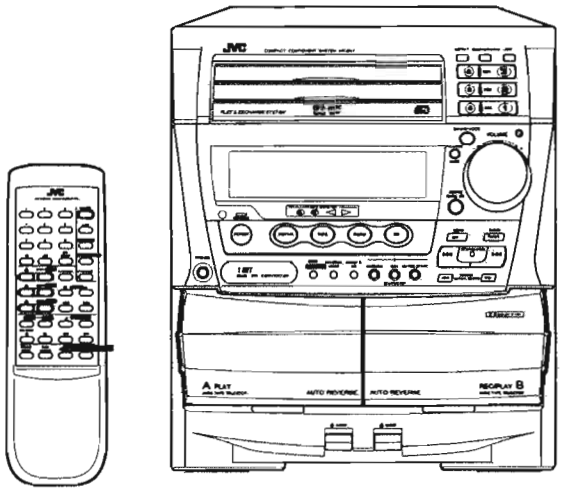
JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

CA-D4T

PICK UP	OPT-6S
Lsi	MN35510



Area Suffix

J	U.S.A
C	Canada
A	Australia
BS	the U.K.
E	Continental Europe
G	Germany
GI	Italy
VX	East Europe
US	Singapore
UT	Taiwan
UC	China
UB	Hong Kong
U	Other Area

COMPACT disc DIGITAL AUDIO

Contents

No. 20553U
Des. 1995

Safety Precautions

1. The 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 .

Important for Laser Products

1. CLASS 1 LASER PRODUCT
2. DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
4. CAUTION : The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
5. CAUTION : If safety switches malfunction, the laser is able to function.
6. CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

VARNING : Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

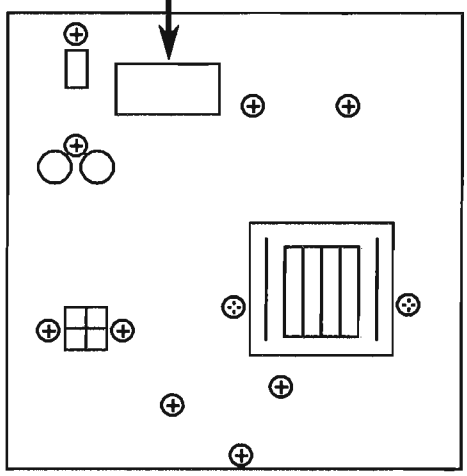
ADVARSEL : Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning, når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

CLASS 1
LASER PRODUCT

CLASSIFICATION LABEL
(Except for the U. S. A. and Canada)



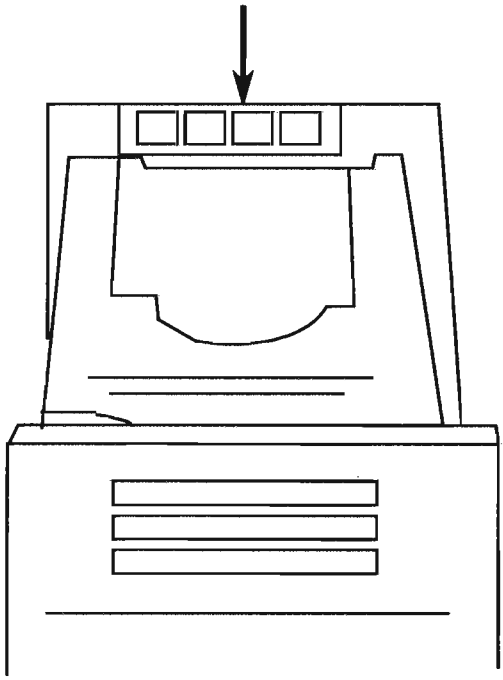
WARNING LABEL
(Except for the U. S. A.)

DANGER: invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

VARNING: Osynling laserstråling när denna del å öppnad och spärren är urkoppled. Betrakta ej stålen. (s)

ADVARSEL: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude at funktion. Undgåudsættelse for stråling. (d)

VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)



Specifications

Amplifier Section	
Output Power	70 watts per channel, Min. RMS at 6 ohms, from 60 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion.
Input Sensitivity/Impedance (1 kHz)	
AUX	300 mV/50 kohms
Speaker terminals	
Main speakers	6 - 16 ohms
Cassette Deck Section	
Frequency Response	
Type II (CrO_2) :	30 - 16,000 Hz
Type I (NORMAL) :	30 - 15,000 Hz
Wow And Flutter	0.15% (WRMS)
CD Automatic Changer Section	
CD Capacity	3 discs
Dynamic Range	90 dB
Signal-To-Noise Ratio	90 dB
Wow And Flutter	Unmeasurable
Tuner Section	
FM Tuner	
Tuning Range	87.5 - 108.0 MHz
AM Tuner	
Tuning Range	530 - 1,710 kHz
Dimensions	245 x 285 x 348 mm (W/H/D) (9-11/16 x 11-1/4 x 13-3/4 inches)
Mass	7.7 kg (17.0 lbs)
Accessories	
	AM Loop Antenna (1) Remote Control (1) Batteries R6P (SUM-3)/AA (15F) (2) FM Wire Antenna (1)
Power Specifications	
Power Requirements	AC 120 V ∿, 60 Hz
Power Consumption	115 watts 16 watts (in standby mode)

Design and specifications are subject to change without notice.

Getting Started

Accessories

Check to be sure you have all of the following things, which are supplied with the CA-D4T.

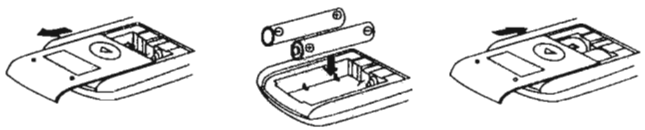
AM Loop Antenna (1)
Remote Control (1)
Batteries (2)
FM Wire Antenna (1)

If any are missing, contact your dealer immediately.

How To Put Batteries In the Remote Control

Match the polarity (+ and –) on the batteries with the + and – markings in the battery compartment.

R6P (SUM-3)/AA (15F)

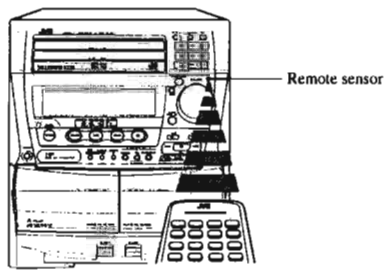


CAUTION: Handle batteries properly.
To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace both batteries at the same time with new ones.
- Don't use an old battery with a new one.
- Don't use different types of batteries together.

Using the Remote Control

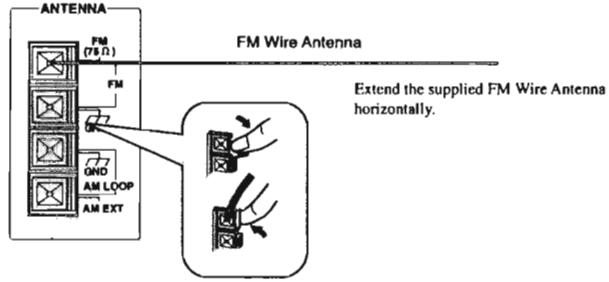
The Remote Control makes it easy to use many of the functions of the CA-D4T from a distance of up to 7 m (23 feet) away.
You need to point the Remote Control at the remote sensor on the CA-D4T's front panel.



CAUTION: Make all connections before plugging the Unit into an AC power outlet.

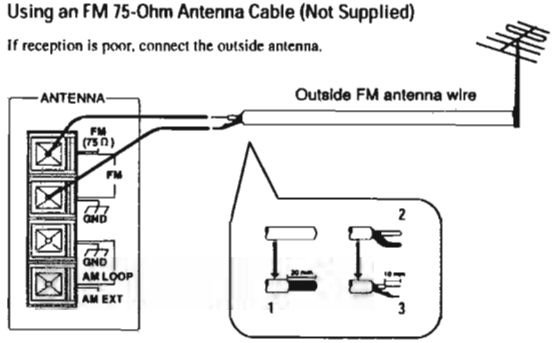
Connecting the FM Antenna

Using the Supplied Feeder Antenna



Using an FM 75-Ohm Antenna Cable (Not Supplied)

If reception is poor, connect the outside antenna.

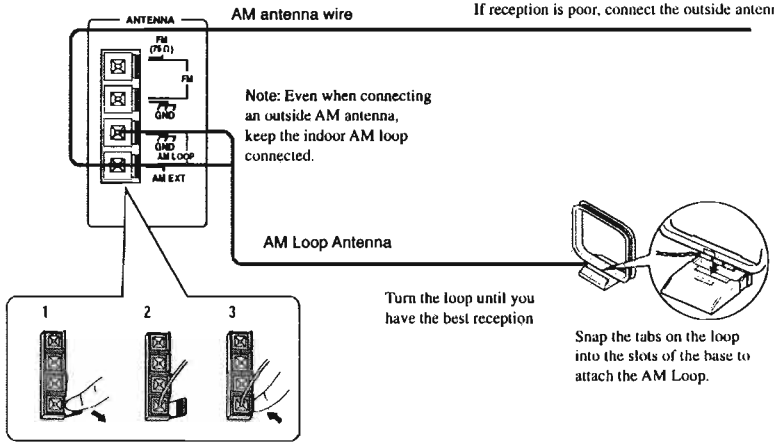


Before attaching a 75 ohm coaxial lead (the kind with a round wire going to an outside antenna), disconnect the supplied FM Wire Antenna.

CAUTION: To avoid noise, keep antennas away from metallic parts of the CA-D4T, connecting cord and the AC power cord.

CAUTION: Make all connections before plugging the Unit into an AC power outlet.

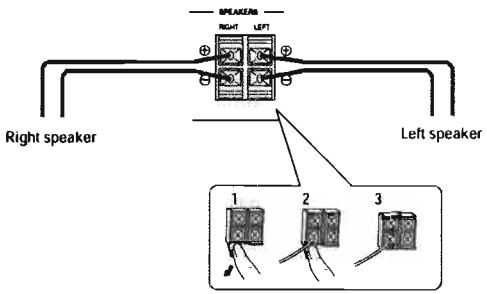
Connecting the AM Antenna



Connecting the Speakers *(Please refer to instructions for speakers as will when you connect speakers.)*

For each speaker connect one end of the speaker wire to the speaker terminals on the back of the CA-D4T and one end to the speaker.

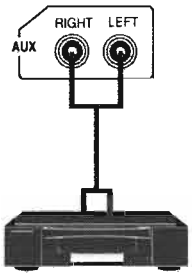
1. Open each of the terminals and insert the speaker wires firmly, then close the terminals.
2. Connect the red (+) and black (–) terminals of the right side speaker to the red (+) and black (–) terminals marked RIGHT on the CA-D4T.
   Connect the red (+) and black (–) terminals of the left side speaker to the red (+) and black (–) terminals marked LEFT on the CA-D4T.



IMPORTANT: Use speakers with the correct impedance only. The correct impedance is indicated on the back panel.
CAUTION: If a TV is installed near speakers, the TV may display irregular colors. In this case, set the speakers away from the TV.

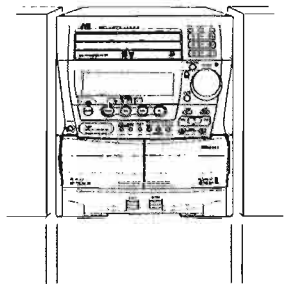
CAUTION: Make all connections before plugging the Unit into an AC power outlet.

Connecting Auxiliary Equipment



VCR or other equipment
To listen to these sources, press the AUX button

Laying Out the Unit



- Leave a space of at least 1 cm on both sides of the Unit and at least 10 cm at the back, for ventilation.

Now you can plug the AC power cord into the wall outlet, and your CA-D4T is at your command!

DEMO Mode

When the CA-D4T is connected to an AC power outlet, a DEMO mode displaying some of the system's features starts.
The DEMO display cycles through the following items repeatedly.

- Scrolling display of "DEMO MODE".
- Demo of IllumiMagic COMPU PLAY buttons.
- Source Indicator.
- DISC-1 to DISC-3 Indicator.
- Demo of Live Surround effects and S.E.A effects.
- Demo of CD RANDOM PLAY.
- Demo of ACTIVE BASS EXTENSION.
- Demo of pre-setting of up to 40 FM/AM channels.

The DEMO display stops when the power is turned on.
The DEMO display will start again about one minute after the CA-D4T is set to STANDBY mode (the red STANDBY indicator is on).

Turning the DEMO Display ON and Off

The DEMO display can be turned on and off when the system is in STANDBY mode.
To turn the DEMO display off, press the DEMO button while in DEMO mode. The display changes from the DEMO display to the clock display after "DEMO OFF" light up on the display.
To turn the DEMO display on, press the DEMO button. The display changes from the clock display to the DEMO display.

Note: The DEMO display automatically starts when the power cord is inserted into a wall outlet. To stop the DEMO display when the power cord is inserted into the wall outlet, press the DEMO button to turn the DEMO display off.

COMPU PLAY

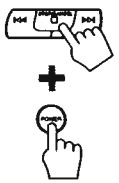
COMPU PLAY is JVC's feature that lets you control the most used functions of the CA-D4T with a single touch.
What COMPU PLAY does is to automatically turn on the power and start the function you have specified. With IllumiMagic COMPU PLAY, when you approach the system to use a function, the sensor detects your action, illuminates the function buttons and displays "PRESS ANY BLINKING KEY" on the display. Not all COMPU PLAY buttons blink with the IllumiMagic COMPU PLAY function.

IllumiMagic COMPU PLAY buttons
The CD, FM/AM, TAPE, AUX, DISC-1, DISC-2 and DISC-3 buttons on the Unit.

Buttons that do not blink
On the Unit
- CD Player ⏏ buttons.

On the Remote Control
- AUX button
- TUNER button
- CD player Play (►) button
- CD Player DISC-1 to DISC-3 buttons.
- CD player Open/Close (⏏) button
- Cassette player Play (◄ or ►) buttons

The functions performed when the you use the IllumiMagic COMPU PLAY buttons are explained in the relevant section for each function.



Stopping the IllumiMagic COMPU PLAY buttons blinking and turning the guide display off

When the system is in STANDBY mode, press the POWER button on the CA-D4T while holding down the STOP/CANCEL ■ button.
"GUIDE OFF" appears in the display.

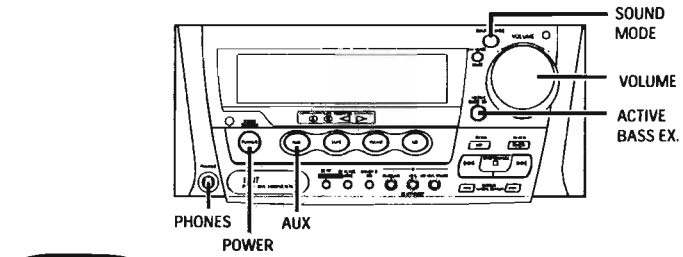
GUIDE OFF

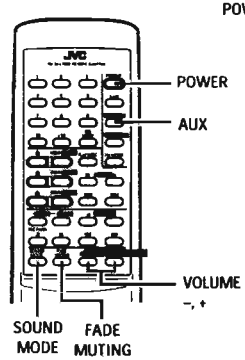
To start IllumiMagic COMPU PLAY blinking again, repeat this operation.
"GUIDE ON" appears in the display.

GUIDE ON

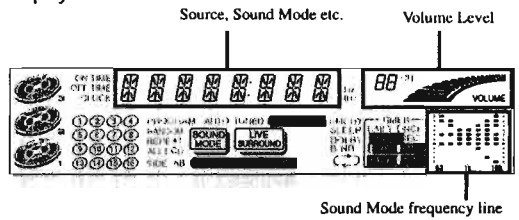
Note: IllumiMagic COMPU PLAY buttons may interfere with the remote control operation of TV's and other remote controlled equipment. If this occurs, turn off the IllumiMagic COMPU PLAY blink function

Using the Amplifier





Display



When the CA-D4T is being used, the display shows other items as well. However, we have only shown the items described in this section.

Turning Power

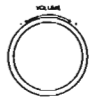
Turning the CA-D4T On

Press the POWER button.
The displays come on and the Standby indicator goes out.
The CA-D4T comes on ready to do whatever it was doing when the power was last shut off.
- ❑ If the last thing you were doing was listening to a tape in Deck B, you are now ready to listen to a tape again in Deck B, or you can change to another source.
- ❑ If you were listening to the Tuner last, the Tuner comes on playing the station it was last set to.

Turning the CA-D4T Off

Press the POWER button again.
The Standby indicator lights up and the displays blank, except for the clock display.
- ❑ Some power (16 watts) is always consumed even though power is turned off (called Standby Mode).
- ❑ To switch off the Unit completely, unplug the AC power cord from the AC outlet. When you unplug the AC power cord, the clock will reset to AM 12:00 right away, and preset Tuner stations will be erased after a few days.

Adjusting the Volume



Turn the VOLUME control clockwise to increase the volume or counterclockwise to decrease it.
Turning the VOLUME control quickly also adjusts the volume level quickly.
When use the Remote Control, press the VOLUME + button to increase the volume or press the VOLUME – button to decrease it.

or

Display when the volume level is set to 0

Display when the volume level is set to 20

Display when the volume level is set to its maximum level

For private listening
Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting headphones.

CAUTION: The Volume cannot be adjusted while the Unit is in STANDBY mode. DO NOT turn on the Unit and/or start playing any source without setting the VOLUME control to 0; otherwise, the sudden blast of sound can damage your hearing, speakers and/or headphones.

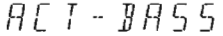
FADE MUTING Function

Set the Volume Level to 0 by pressing the FADE MUTING button on the Remote Control. Press this button again to restore the Volume Level to its previous level.

Reinforcing the Bass Sound

The richness and fullness of the bass sound is maintained regardless of how low you set the volume. You can use this effect only for playback.

To get the effect, press the ACTIVE BASS EX. (Active Bass Extension) button. "ACT-BASS" appears in the display and the ACTIVE BASS EX. indicator lights up.



To cancel the effect, press the button again. The message "OFF" appears in the display and the ACTIVE BASS EX. indicator goes out.

Sound Modes

The CA-D4T has some preset sound effects that give you control of the way your music sounds, so you can tailor it for your room and for the quality of the source. We can give you some idea of how each one affects the music, but the only way to really tell is to try them yourself.
You can use only one effect at a time, selecting from the Live Surround or S.E.A. effects is only possible for playback mode.

Live Surround Effects

With these effects, the sound coming from only two speakers approaches the quality of sound from four speakers.

D. CLUB (Dance Club)	Increases resonance and bass.
HALL	Adds depth and brilliance to the sound, like in a concert hall.
STADIUM	Adds clarity and spreads the sound, like in an outdoor stadium.

Preset S.E.A. (Sound Effect Amplifier) Effects

Adjustments of frequency range levels have been preset as three S.E.A. effects.

ROCK	Boosts low and high frequencies.
POPS	Good for vocal music.
CLASSIC	Set for wide and dynamic sound stereo systems.

or

To get an effect, press the SOUND MODE button repeatedly until the Sound Mode you want appears in the display.
Each time you press the button, the modes change as follows:

→D. CLUB→HALL→STADIUM→ROCK→POPS→CLASSIC→OFF

❑ The display changes to display appropriate information for the Sound Mode you have selected.

When D. CLUB, HALL or STADIUM (Live Surround effects) are selected.

When ROCK, POPS or CLASSIC (S.E.A. effects) are selected.

When Sound Mode OFF is selected.

To cancel an effect, press the Sound Mode button until "OFF" appears in the display.

Listening To Optional Equipment

By playing the sound from auxiliary equipment through the CA-D4T, you can gain control over how the music or program sounds. Once the connected equipment is playing through the CA-D4T, you can apply the sound effects, make recordings, or listen with the headphones.

or

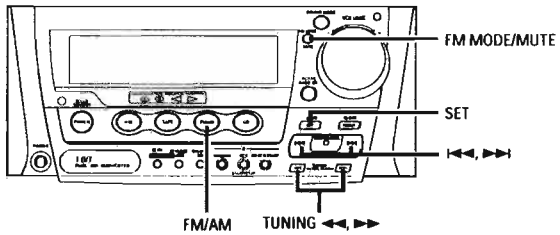
❑ First make sure that the optional equipment is properly connected to the CA-D4T. (See page 6).

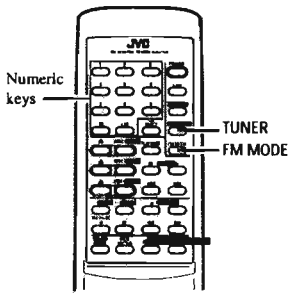
1. Set the VOLUME control to 0.
2. Press the AUX button.
   The Unit automatically turns on and "AUX" lights up on the display.

3. Start playing the selected equipment.
4. Adjust the VOLUME control to the desired listening level.
5. Select a sound effect mode, if you wish.

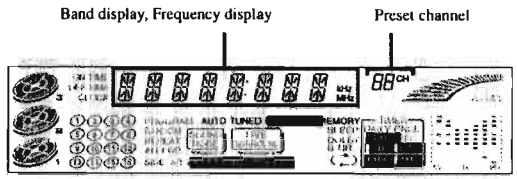
To Cancel the Setting
Change the source by starting any one of the CA-D4T's built-in sound sources, such as the Tuner or CD Player.

Using the Tuner





Display



When the CA-D4T is being used, the display shows other items as well. However, we have only shown the items described in this section.

You can listen to both FM and AM stations. Stations can be tuned in manually, automatically, or from preset memory storage.

❑ Before listening to the radio:
- Check that both the FM and AM antennas are firmly connected. (See page 4 and 5).

One Touch Radio

Just press the FM/AM button (or the TUNER button on the Remote Control) to turn on the Unit and start playing the most recent station tuned in.

❑ You can switch from any other sound source to the radio by pressing the FM/AM button (or the TUNER button on the Remote Control).

Tuning In a Station

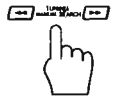
Press the FM/AM button (or the TUNER button on the Remote Control) to turn on the radio. The frequency of the previously selected channel appears on the display.

Switching between Frequency Bands

Press the FM/AM button.

Each time you press the button, the band alternates between FM and AM.

Three ways to select a station

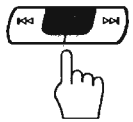


❑ Press the TUNING ◄◄ or ►► button on the Unit repeatedly to move from frequency to frequency until you find the one you want. (Manual Tuning).

OR

❑ Hold down the TUNING ◄◄ or ►► button on the Uint, the frequency starts changing on the display. When a station is tuned in, "TUNED" lights up on the display and the frequency stops changing. (Auto Tuning).

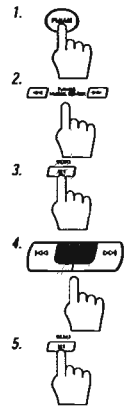
OR



❑ (Possible only after presetting stations.)
Press once and release the |◄◄ or ►►| button on the Unit to go to the next preset station, or hold the |◄◄ or ►►| button on the Unit to cycle through the preset stations: release the button when the preset station you want shows on the display.
You can also use the Remote Control to tune in preset channels:

1. Press the TUNER button so that you can receive the most recent station tuned in.
2. Select the station by entering the preset number in the numeric keys of the Remote Control.
   ❑ Example: for channel 5, press 5. For channel 15, press +10 then 5. For channel 20, press +10, then 10. For channel 32, press +10 three times, then 2.

Presetting Stations



You can store up to 40 of your favorite radio stations (FM and AM) in memory, giving you quick, easy access to the stations.

1. Select a band by pressing the FM/AM button.

2. Press the TUNING ◄◄ or ►► button on the Unit to tune in a station.

3. Press the SET button.
The SET button indicator comes on, the preset number and "MEMORY" appears in the display and blinks for five seconds.
❑ During these five seconds while blinking, you can assign a channel number to the station and enter it into the memory.

4. Select a channel number by pressing the |◄◄ or ►►| button on the Unit until you find the channel number you want.

5. Press the SET button and the station will be assigned to the channel number showing on the display.
"MEMORY" appears in the display.

MEMORY

❑ If a station has been previously stored using the same channel number, this will be erased and the newly selected station will be stored.
❑ If the "MEMORY" indicator goes off, start again from step 3.

6. Repeat steps 1 - 5 for each station you want to store in memory with a preset number.

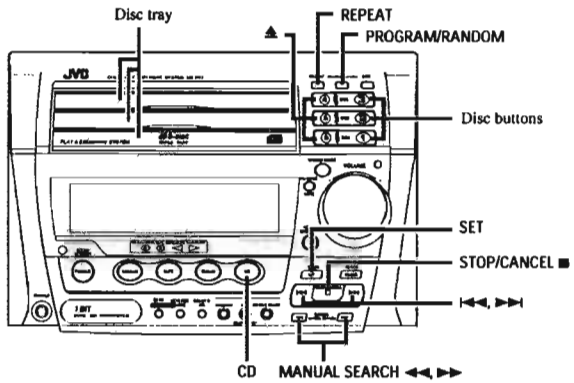
CAUTION: If the Unit is unplugged or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

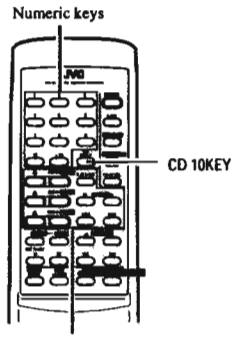
To Change the FM Reception Mode

When an FM stereo broadcast is hard to receive or noisy, press the FM MODE/MUTE button (or FM MODE button on the Remote Control) so that the "AUTO" indiactor goes off in the display. Reception improves, but there are no stereo effects, In this monaural mode, noisy comes out while tuning in stations (since muting is also canceled).

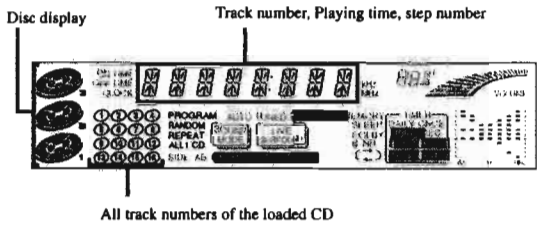
To restore the stereo effect, press the FM MODE/MUTE button (or the FM MODE button on the Remote Control) so that the "AUTO" indicator lights up. In this stereo mode, no noise comes out while tuning in stations, and you can hear stereo sounds when a program is broadcast in stereo.

Using the CD Player





Display



When the CA-D4T is being used, the display shows other items as well. However, we have only shown the items described in this section.

Disc Indicator
Each Disc button has a disc indicator. This indicator is off when the CD Player is checking that there is no disc in the disc tray for the corresponding disc number.
Pressing the ⏏ button turns the indicator on.

Disc display
A red marker lights on the disc display for the disc number you have selected. This disc display blinks while a CD is being played.
The center of the disc display is not lit while CD Player is checking that there is no disc in the disc tray for the corresponding disc number.

The CA-D4T's CD Player has an Automatic Changer with 3 disc trays. You can use Continuous, Random, Program or Repeat Play for the discs in DISC-1, DISC-2 and DISC-3. Repeat Play can repeat all the tracks on all the CD's, the tracks on one of the CD's or one track on one CD.
There is also the Tray Lock function, which safely keeps discs in the trays.

Here are the basic things you need to know to play a CD and locate the different selections on it. Each selection is called a track, so when we are talking about locating a track, we are also talking about how you find a certain song or performance.

The Quickest Way To Start a CD Is With the One Touch Operation

The power comes on, and operations are done automatically.

- ❑ Press the CD button (or the ► button on the Remote Control).
  - If there is a CD in the disc tray of the selected (lit) disc number, playback continues from the track where it was interrupted.
  - If there is no CD in any of the disc trays, the message "OPEN" appears in the display after a few seconds and the disc tray for the marked disc opens.
- ❑ Press a DISC button (1 to 3).
  - If there is a CD in the disc tray for the disc number you have selected, playback begins from the first track of that disc. If there is no CD in the disc tray, the message "OPEN" appears in the display after a few seconds and the disc tray opens.
- ❑ Press the ⏏ button.
  - The power turns on, and the tray opens automatically.

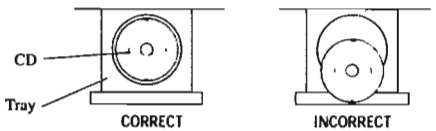
Basics of Using the CD Player — Continuous Play

You can play the discs continuously in the DISC 1 to DISC 3 trays.

To Insert Discs

1. Press the ⏏ button on the right of the tray you want to insert the disc into.
   The disc tray slides out automatically.
2. Put a CD, with its label side up, into the tray.

ATTENTION: To avoid malfunctions when you play a CD, please set the CD in the right place at the center of the tray.



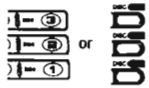
3. Press the ⏏ button to close the tray.
4. Repeat steps 1 to 3 to insert other discs into other trays.
   - ❑ To continue putting discs into other trays, even if a tray is open, by pressing the ⏏ button of another disc tray, the open tray will close automatically, and the new disc tray will slide out.

- ❑ To put an 8 cm CD into a tray, insert it so that it is aligned with the groove in the tray's center.
- ❑ "OPEN" appears in the display when a tray opens, and "CLOSE" when a tray closes.

Note: When the CD Player is reading a disc, "- - - -" appears in the display. While this is being displayed, the ⏏ button or DISC button cannot be used. Once the display changes from "- - - -" to another display, the ⏏ button and DISC button can be used.

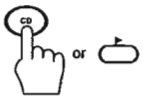
To Play a Disc

This function plays the disc in the Unit continuously.



1. Prepare the discs.
2. Press the DISC button (1-3) of the disc to play.
   The first track of the selected disc will begin playing.
   When the selected disc finishes playing, the next disc will begin playing automatically.
   When the last disc has finished playing, the Unit will stop automatically.

- When a DISC button is pressed while a tray is open, the open tray will close automatically and Continuous Play playback begins from the first track of the disc.



To use Continuous Play from the first track of the disc selected by the disc marker, you do not need to press a DISC button (1-3), just press the CD button (or ► button on the Remote Control).

Playing order of discs

- When playback starts from DISC-1, the playing order is DISC-1 → DISC-2 → DISC-3. When DISC-3 has finished, the CD Player selects DISC-1 (the disc marker is on) and stops.
- When playback starts from DISC-2, the playing order is DISC-2 → DISC-3 → DISC-1. When DISC-1 has finished, the CD Player selects DISC-2 (the disc marker is on) and stops.
- When playback starts from DISC-3, the playing order is DISC-3 → DISC-1 → DISC-2. When DISC-2 has finished, the CD Player selects DISC-3 (the disc marker is on) and stops.
  - If any of the disc trays are empty, the CD Player skips that disc tray and continues through the remaining disc trays in the order shown above.

Note: If there is no CD in disc tray for the DISC button you pressed, the message "OPEN" appears in the display and the disc tray automatically opens.
If there is no disc in the disc tray for the selected disc number, when the CD button (or the ► button on the Remote Control) is pressed, playback begins from the next disc.

To stop play the disc, press the ■ button (or the ■ button on the Remote Control) for the disc number being played.
To stop play and remove the disc, press the ≜ button (or the ≜ button on the Remote Control) for the disc being played.
To pause, press the CD button. The CD button and the Disc display will blink. (The Pause function cannot be used with the button on the Remote Control.)
To cancel pause, press the CD button again. Play continues from the point where it was paused.

RESUME

When the STOP/CANCEL ■ button (or the ■ button on the Remote Control) is pressed during playback, and the source is changed, the track number is memorized even when the power is turned off. The next time the CD button (or the ► button on the Remote Control) is pressed, play resumes from the track where it was interrupted.

- To start playback from the first track, press the DISC button.

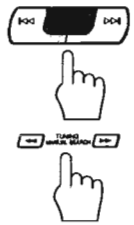
To Change Discs While Playing

You can replace a CD in a tray not being used, while another CD is playing.

1. Press the ≜ button of the tray not being used.
   The tray opens.
2. Replace the disc in the tray.
3. Press the ≜ button to close the tray.

To Select a Disc, Track Or Passage Within a Track

1. Press the DISC button (1-3) for the disc tray containing the track you want to listen to.
   - Example: for the third disc, press 3.



2. Press the ⏮ or ⏭ button to select the track.
   The selected track starts playing.
   - Each time you briefly press and release the ⏮ or ⏭ button, the track changes by one.
     - Press and release the ⏭ button to go ahead one track at a time.
     - Press and release the ⏮ button to go back one track at a time.
     - Holding down the ⏮ or ⏭ button allows you to change tracks continuously.
   - Holding down the MANUAL SEARCH ◄◄ or ►► buttons, during playback, will fast forward/backwards the CD so you can quickly find a particular passage in the selection you are listening to. (The fast forward/backwards function cannot be used from the Remote Control.)

Locating a Track With the Remote Control Directly

Using the numeric keys on the Remote Control allows you to go directly to the beginning of any track.

1. Press the DISC button (1-3) for the disc tray containing the track you want to listen to.
   - Example: for the third disc, press 3.
2. Press the CD 10KEY button.
3. Enter the number of the track you want to listen to with the numeric keys.
   The selected track starts playing.
   - Example: for track 5, press 5. For track 15, press +10 then 5. For track 20, press +10, then 10. For track 32, press +10 three times, then 2.

Programming the Playing Order of the Tracks

You can change the order in which the discs and tracks play, and select only the discs and tracks you want from among those loaded in the CD Player.
By using the Remote Control, you can easily program tracks.

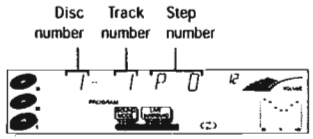
- You can program up to 32 steps in any desired order from among the discs in the player.
- You can only make or change a program when the CD Player is stopped.

Using the Remote Control

1. Press the PLAY MODE button.
   The message "PROGRAM" appears in the display and the PROGRAM indicator comes on.
   If a program is already running, the track number blinks.

- The display changes with each press of the PLAY MODE button, as shown below.
  → PROGRAM → RANDOM → Off (Continuous Play) → (back to the beginning)

2. Select a disc with the DISC buttons (1-3).
The display changes to the Program Entry display and the disc number and track number sections blink for a few seconds. The DISC buttons (1-3), SET button and I◄◄ or ►►I buttons on the CA-D4T also blink.



❑ While the display is blinking, perform the operations in steps 3 to 4. When the blinking display changes to the "PROGRAM" display, repeat the operations in steps 2 to 4.

3. Press the CD 10KEY button.

4. Press the numeric keys (1 to 10 and +10) to select the track to program.
❑ Example: for track 5, press 5. For track 15, press +10 then 5. For track 20, press +10, then 10. For track 32, press +10 three times, then 2.
The blinking disc number and track number changes to the step number display. Also, the blinking buttons on the CA-D4T stop blinking, but remain lit.

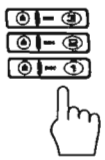
5. Repeat steps 2 to 4 to select the other tracks for the program.

6. Press the ► button.
The Unit plays the tracks in the order you have programmed them.

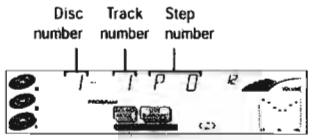
Using the Unit

1. Press the PROGRAM/RANDOM button.
The message "PROGRAM" appears in the display and the PROGRAM indicator comes on.
If a program is already running, the track number blinks.

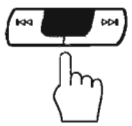
❑ The display changes with each press of the PROGRAM/RANDOM button, as shown below.
→ PROGRAM → RANDOM → Off (Continuous Play) → (back to the beginning)



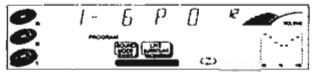
2. Select a disc with the DISC buttons (1 to 3).
The display changes to the Program Entry display and the disc number and track number sections blink for a few seconds. The DISC buttons (1-3), SET button and I◄◄ or ►►I buttons on the CA-D4T also blink.



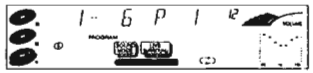
❑ While the display is blinking, perform the operations in steps 3 to 4. When the blinking display changes to the "PROGRAM" display, repeat the operations in steps 2 to 4.



3. Press the I◄◄ or ►►I buttons to select the track to program.
The track number appears in the display.



4. Press the SET button.
The blinking disc number and track number changes to the step number display. Also, the blinking buttons on the CA-D4T stop blinking, but remain lit.



5. Repeat steps 2 to 4 to select the other tracks for the program.

6. Press the CD button.
The Unit plays the tracks in the order you have programmed them.

❑ If you try to program a 33rd track, the CA-D4T lets you know that the program is full by displaying the message "FULL" on the display.
❑ If you try to program an disc tray that is empty, or a track number that does not exist on a disk (for example, selecting track 14 on a disc that only has 12 tracks), the selected disc or track are skipped when the program is played.
❑ You can skip to a particular program step by pressing the I◄◄ or ►►I button during program play.
❑ To play the programmed tracks over and over, press the REPEAT button . "REPEAT" lights up on the display.

To stop playing, press the STOP/CANCEL ■ button (or the ■ button on the Remote Control) once.
To modify the program, press the STOP/CANCEL ■ button on the CA-D4T while the CD Player is stopped. With each press of the button, a track is deleted from the program until the last track is deleted.
To add tracks to the program, use the procedure above (on either the CA-D4T or the Remote Control) to add the new tracks to the program. The new tracks are added to the end of the program.
To delete all the tracks in a program, keep pressing the STOP/CANCEL ■ button on the Unit until all the tracks in the program have been deleted, or press the ▲ button for each disc in the program.
To exit Program Mode, press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) twice to change to Continuous Play mode.

Random Play

The tracks will play in no special order when you use this mode.

1. Press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) while the CD Player is stopped to change to the RANDOM Mode display.

❑ The display changes with each press of the PROGRAM/RANDOM button, as show below.
PROGRAM → RANDOM → Off (Continuous Play) → (back to the beginning)

2. Press the CD button (or the ► button on the Remote Control)
The tracks are played in random order.
When all of the tracks have been played, the CD Player stops.

Note: Press the DISC buttons (1-3), or the Numeric keys, to cancel Random play and begin playback in Continuous Play mode.

❑ Press the REPEAT button before or during random play to instruct the CA-D4T to continue with a different random track selection after the last selection is played.

To cancel random play, press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) and select another mode.

Repeating a Selection Or the Discs

You can have all the discs, the program or the individual selection currently playing repeat as many times as you like.

Press the REPEAT button on the CA-D4T.
The display changes with each press of the button, as shown below.
→ REPEAT ALL → REPEAT 1 CD → REPEAT 1 → Off (Continuous Play) →
(back to the beginning) →

REPEAT ALL: Repeats all the tracks on the CD's in the CD Player, or all the tracks in the program.
REPEAT 1 CD: Repeats all the tracks on one CD.
REPEAT 1: Repeats one track on a CD.

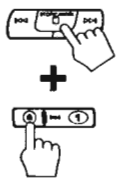
❑ The three Repeat Modes above can be selected during Continuous Play, however, during Program Play and Random Play, you can only select REPEAT ALL or REPEAT 1.

To exit Repeat Mode, press the REPEAT button until the "REPEAT" indicator on the display goes out.

Tray Lock Function

In order to safely keep the discs in the CD Player, the three trays can be electronically locked in a single operation.
When the electronic lock is on, the trays cannot be opened even if the ⏏ button is pressed.

Locking the Electronic Lock



1. Put the CA-D4T's power into the STANDBY condition.
   If the power is on, press the POWER button to light the Standby indicator.
2. While pressing the STOP/CANCEL ■ button, press the ⏏ button for DISC 1's tray on the Unit.
   "LOCKED" appears in the display to notify that the trays have been locked.

LOCKED

When the CD Player trays are locked, pressing the ⏏ buttons displays the message "LOCKED" on the display and the trays do not open. Also, the ⏏ button cannot be used to automatically turn on the power.

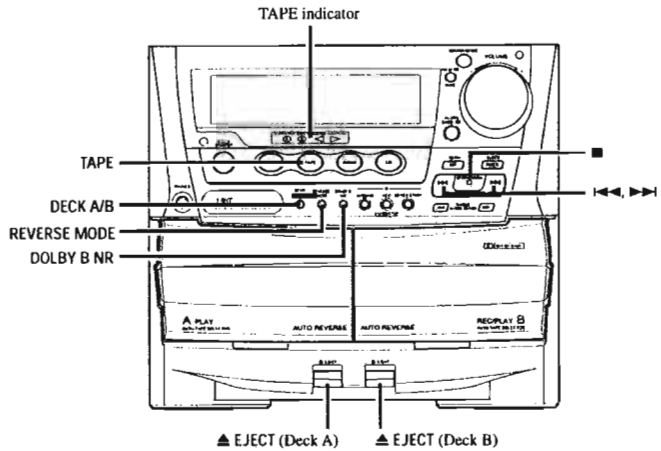
Unlocking the Electronic Lock

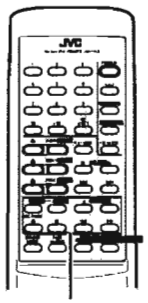
1. Put the CA-D4T's power into the STANDBY condition.
   If the power is on, press the POWER button to light the Standby indicator.
2. While pressing the STOP/CANCEL ■ button, press the ⏏ button for DISC 1's tray on the Unit.
   When the unlock operation is done, "UNLOCKED" appears in the display to show that the lock has been taken off.

UNLOCKED

The trays can now be opened by pressing the ⏏ buttons.
The ⏏ button can also be used to automatically turn on the power.

Using the Cassette Deck (Listening to a Tape)





Cassette Deck control buttons

Display

When the CA-D4T is being used, the display shows other items as well. However, we have only shown the items described in this section.

The Cassette Deck allows you to play, record and dub audio tapes.

❑ Most tapes are now recorded with the Dolby NR system, so first check which type of the Dolby NR system has been used on the tape. Only Dolby B NR is incorporated into the CA-D4T.
❑ With Automatic Tape Detection, you can listen to type I or II tapes without changing any settings.

The use of tapes longer than 120 minutes is not recommended, since characteristic deterioration may occur and these tapes easily jams in the pinch-rollers and the capstans.

One Touch Play

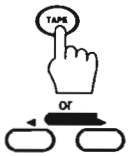
❑ Press the TAPE button.
The power comes on and "TAPE" lights up on the display . When a tape is already in the tape deck, the tape is played in the direction of the blinking Tape Direction indicator. If no tape is loaded, the CA-D4T automatically turns on and wait for you to insert a tape, or select another function.

❑ Press the ◄ or ► button on the Remote Control.
The power comes on and "TAPE" appears in the display. When a tape is already in the tape deck, the tape is played in the direction of the button pressed. If no tape is loaded, the CA-D4T automatically turns on and wait for you to insert a tape, or select another function.

Regular Play

When the power is already on, you can use this basic procedure:

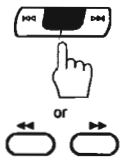
1. Press the ▲ EJECT button for the deck you want to use.
2. When the cassette holder opens, put the cassette in, with the exposed part of the tape down, toward the base of the CA-D4T.
   ❑ If the cassette holder does not open, turn the Unit off, then back on and press the ▲ EJECT button again.
3. Close the holder gently.
   When both Deck A and Deck B contain a tape, the last deck to have a tape inserted is selected.
   To change the selected deck, press the DECK A/B button.
   When using the Remote Control, press the A or B button.



4. Press the TAPE button.
   The tape is played in the direction of the indicator for the selected deck.
   To change the play direction for the tape, press the TAPE button again.
   When using the Remote Control, press the ◄ or ► button. The tape is played in the direction of the button pressed.
   ❑ The Cassette Deck automatically stops when one side of a tape has finished playing.

To stop playing, press the ■ button.
To remove the tape, stop the tape, and press the ▲ EJECT button.
To change deck while playing a tape, press the TAPE button after pressing the DECK A/B button.

When a tape is being played, pressing the TAPE button only changes the direction of playback.



Fast Left And Fast Right

❑ While the tape is stopped, press the TAPE ⏮ button (or the ◄◄ button on the Remote Control) and the tape will wind rapidly onto the left side of the cassette without playing.

❑ While the tape is stopped, press the TAPE ⏭ button (or the ►► button on the Remote Control) and the tape will wind rapidly onto the right side of the cassette without playing.

The MANUAL SEARCH ◄◄ or ►► buttons on the Unit can also be used for this operation.

Note: Deck A and Deck B cannot be used for playback at the same time.

TAPE Indicator

The TAPE indicator tells you which direction the selected tape deck will use for playback.
During playback, the direction indicator blinks slowly. During fast forward or fast reverse, the indicator blinks quickly.
During Music Scan mode, the direction indicator alternates between blinking slowly and quickly repeatedly.

Music Scan

To find the beginning of a music track during play, use the Music Scan function. Music Scan searches for blank portions that usually separate tracks, then plays the next song.

To Find the Beginning of the Current Song

Press the TAPE ⏮ or ⏭ button (or the ◄◄ or ►► button on the Remote Control) during play.

❑ Make sure that you press the TAPE ⏮ or ⏭ button (or the ◄◄ or ►► button on the Remote Control) in the opposite direction to that in which the tape is playing. Searching stops at the beginning of the current song, and the current song starts automatically.

To Find the Beginning of the Next Song

Press the TAPE ⏮ or ⏭ button (or the ◄◄ or ►► button on the Remote Control) during play.

❑ Make sure that you press the TAPE ⏮ or ⏭ button (or the ◄◄ or ►► button on the Remote Control) in the same direction as that in which the tape is playing. Searching stops at the beginning of the next song, and the next song starts automatically.

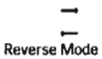
Music Scan works by detecting a 4-second long blank at the beginning of each selection, so it won't work well if your tape has:

- No blank at the beginning of a track
- Noise (often caused by much use or poor quality dubbing) which fills the blank with noise.
- Long, very soft passages or pauses in a selection. The scan will detect these as 4-second long blanks. If this happens, just scan again until you reach the selection you want.

Other Useful Features of the Cassette Deck

❑ Use Reverse Mode to make the tape automatically reverse at the end of a side and start playing the other side. Press the REVERSE MODE button to change from Reverse Mode on to Reverse Mode off, or from off to on.

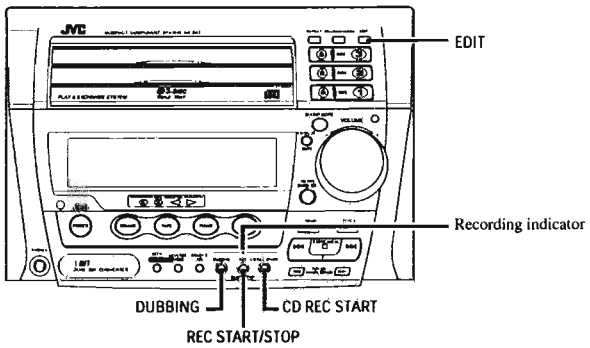

Reverse Mode ON


Reverse Mode OFF

❑ Continuous Play: With the Reverse Mode indicator on, when tape playback in the ◄ direction finishes, the Unit always checks to see if a tape is in the other deck. If there is, it automatically starts playing. This Continuous Play function works regardless of which deck starts first.

❑ Press the DOLBY B NR button to switch Dolby B Noise Reduction on (the indicator lights up) or off (the indicator goes off). If a tape is recorded with the Dolby B NR system, playing it back with the Dolby NR on will reduce tape noise and improve the clarity of the sound.

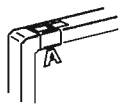
Using the Cassette Deck (Recording)



Recording onto a cassette from any of the sound sources is simple. Just place a tape in Deck B, have the source ready, make one or two settings, and you're ready to record. For each source the procedure is a little different and now we'll explain just what to do for each one. If you forget, just come back to the section which has the specific procedures you need. But first, here are a few things to make your recordings better.

Things To Know Before You Start Recording

- ❑ It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- ❑ Press the DOLBY B NR button — the indicator lights up — to reduce tape hiss, except when dubbing tapes, since Dolby NR is inactive in Dubbing Mode regardless of the setting of DOLBY B NR. The dubbed tape automatically contains the same processing as the source tape.
- ❑ The recording level, which is the volume at which the new tape is being made, is automatically set correctly, so it is not affected by the VOLUME control on the CA-D4T. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- ❑ Two small tabs on the back of the cassette tape, one for side A and one for side B, can be removed to prevent accidental erasure or re-recording.
  To record on a cassette with the tabs removed, you must cover the holes with adhesive tape first. However, when a type II tape is used, only cover part of the hole as shown, since the other part of the hole is used to detect the tape type.



- ❑ When recording, you can hear Sound Effect effects through the speakers or headphones. However, the sound is recorded without Sound Mode effects.
- ❑ Type I and Type II tapes can be used for recording.

Note: At the start and end of cassette tapes, there is leader tape which cannot be recorded onto. Depending on the recording source, the first part of the recording may be missing because of the leader. When recording CDs or radio broadcasts, to get the beginning of the recording on the tape, first wind on the leader before beginning recording.

CAUTION: If recordings you have made have excessive noise or static, the Unit may be too close to a TV which was on during the recording. Either turn off the TV or increase the distance between the TV and the CA-D4T.

Standard Recording

This is the basic method for recording any source. The CA-D4T also has special ways for recording CD to tape, and tape to tape, which save you time and effort, as well as give you some special effects.
However, when you need to add a selection to a tape you have made, or are combining selections from several sources on one tape, use the method described below; just substitute the source you want into this procedure, such as a tape in Deck A, a CD, or the Tuner. You can also record from an auxiliary source with this procedure.

To Record Any Sound Source To Tape

Follow these steps to record from any sound source onto a tape in Deck B.

Using the Unit

1. Insert a blank or erasable tape into Deck B.
2. Press the REVERSE MODE button if you want to record on both sides of the tape.
   Reverse Mode comes on.
   - ❑ When using Reverse Mode, insert the tape so that it will be recorded in the forwards ► direction.
3. Check the recording direction for the tape.
   Check that the direction indicator is the same as that for the tape in the tape deck. If the directions are different, press the TAPE button twice then press the STOP ■ button.
   - ❑ When using Reverse Mode to record both sides of a tape, check that the direction indicator is in the forwards ► direction. If the direction indicator is not in the forwards ► direction, press the TAPE button twice then press the STOP ■ button.
4. Prepare the source, by, for example, tuning in a radio station, loading CDs, or turning on connected equipment.

5. Press the REC START/STOP button.
   The Recording indicator light comes on and the CA-D4T begins recording.

Using the Remote Control

1. Insert a blank or erasable tape into Deck B.
2. Press the REC PAUSE button.
   The Recording indicator light comes on.
3. Press the REVERSE MODE button if you want to record on both sides of the tape.
   Reverse Mode comes on.
   - ❑ When using Reverse Mode, insert the tape so that it will be recorded in the forwards ► direction.
4. Prepare the source by, for example, tuning in a radio station, loading CDs, or turning on connected equipment.

5. Press the ◄ or ► button.
   Recording starts in the direction of the button pressed.
   - ❑ When using Reverse Mode to record both sides of a tape, press the ► button.

Notes for using Reverse Mode for recording

When recording in Reverse Mode, the CA-D4T automatically stops when it reaches the end of the reverse ◄ direction. To record on both sides of a tape, make sure that the recording direction for the tape inserted into Deck B is forwards ►, and that the direction indicator for the TAPE indicator is also forwards ►, before you start recording.

To Pause At Any Time During the Recording Process
Press the REC PAUSE button on the Remote Control. Then press either the ◄ or ► button on the Remote Control or REC START/STOP button on the Unit to restart recording.
To Stop At Any Time During the Recording Process
Press the REC button on the CA-D4T again, or press the ■ button on the Remote Control.

CD Direct Recording

Everything on the CD goes onto the tape in the order it is on the CD, or according to an order you have set in a program.

1. **Prepare CDs. (See page 14.)**
   Check that the CD Player is stopped.
2. **Insert a cassette in Deck B to record on.**
   - When you want to record on both sides of a tape, press the REVERSE MODE to turn Reverse Mode on. Check that the recording direction for the tape and the TAPE indicator are correct. (See "Notes for using Reverse Mode for recording" earlier on this page.)

3. **Press the CD REC START button.**
   The Unit plays the CD and starts recording.

   At the end of the tape, the CA-D4T automatically goes back to the beginning of the last selection and re-records it, this time gently fading out at the end. If you selected the Reverse Mode, the reverse side starts with the last selection on the front side and will be faded out at the end again. (A 10 second blank is created at the beginning of the reverse side.)
   When the recording is finished, the message "CD REC FINISHED" scrolls by on the display. The CD Player and Cassette Deck stop.

To Stop At Any Time During the Recording Process
Press the STOP ■ button.

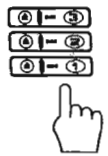
Note: When making SLEEP timer settings while doing CD Direct recording, set the time so that there is enough leeway to finish the recording before the power goes off. If the time is set to about the length of the CD, the power may go off before recording finishes.

For CD Direct Recording using more than one disc, use a blank tape, If you use a pre-recorded tape, pre-recorded sound may not be erased between newly-recorded tracks.

Auto Edit Recording

Using Auto Edit, you can record the CD tracks to fit the tape, so a selection isn't cut off. Auto Edit is one of the best ways to copy all of a CD onto a tape.
Auto Edit programs the CD tracks in numerical order. To prevent the end of the last track on the front side from being cut off, the last track on the front side is selected to fit on the remaining tape length.

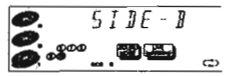
1. **Prepare CDs. (See page 14.)**
2. **Press the EDIT button on the Unit.**
   The DISC button (1-3) light comes on and "DISC-" appears in the display.



3. **Press the DISC button for the disc you want to record.**
   The DISC button (1-3) changes from a blinking light to a continuously lit display, and the recommended tape length for the recording appears in the display.

   - You can select a different length of tape, depending on the actual size of the tape you are using, from eleven possibilities programmed into the CA-D4T: 40, 46, 50, 54, 60, 64, 70, 74, 80, 84, 90. Cycle through these choice using the I◄◄ or ►►I button until you find the length closest to your tape's actual length.
     - If you pick a tape length shorter than the total playing time of the CD, the last tracks on both sides of the tape will be faded out as the tape ends.

4. **Press the SET button.**
   The tracks to be recorded on side B of the tape appear on the display.



   - To display the tracks that will be recorded on side A of the tape, press the SET button again. The Unit switches between Side A and Side B with each press of the SET button.
   - To check the tracks that will be recorded, press the I◄◄or ►►I buttons on the Remote Control.
5. **Insert a cassette in Deck B to record on.**
   When you want to record on both sides of a tape, press the REVERSE MODE to turn Reverse Mode on.

6. **Press the CD REC START button.**
   The recording indicator light comes on and the CD buttons starts to blink. The message "TAPE SIDE A STANDBY" scrolls by on the display and the CA-D4T prepares to start recording. If the tape has not been rewound, it is rewound to the start.
   When the tape is ready, to prevent the start of a track being cut, the CA-D4T creates a blank period of 10 seconds before it starts to record the CD. (The CA-D4T also creates a 10 second blank period at the start of side B of the tape.) When recording starts, the CD button changes from a blinking light to a continuously lit display.

   When the recording is finished, the message "CD REC FINISHED" scrolls by on the display. The CD Player and Cassette Deck stop.

To stop at any time while recording, press the STOP ■ button. The CD Player stops, and then the Cassette Deck stops about four seconds later.

To cancel Auto Edit, press the ▲ button for disc number being recorded, or press the PROGRAM/ RANDOM button while the CD Player is stopped.

Note: When making SLEEP timer settings while doing Auto Edit recording, set the time so that there is enough leeway to finish the recording before the power goes off. If the time is set to about the length of the CD, the power may go off before recording finishes.

Tape To Tape Recording (Dubbing)

Recording from one tape to another is called dubbing.
You can dub tapes simply, with just a single button.

- ❑ When dubbing tapes, make sure that the playback direction of Deck A and Deck B are the same.
- ❑ When you want to record both sides of a tape, press the REVERSE MODE to turn Reverse Mode on. Make sure that the play direction for the tapes in both Deck A and Deck B are in the forwards ► direction, and that the TAPE indicator is also in the forwards ► direction before you start recording.
- ❑ It is preferable that the type of tape (Type I or Type II) you record from be the same as the type you record onto.

How To Use the DUBBING Button

1. Insert the source cassette you want to copy from into Deck A for playback.
2. Insert the blank or erasable cassette you want to copy onto in to Deck B for recording.
3. Press the DUBBING button.
   Deck A and Deck B will start simultaneously.
   - ❑ If the tape has not been rewound, it is rewound before dubbing starts.

To stop dubbing, press the STOP ■ button (or ■ button on the Remote Control).

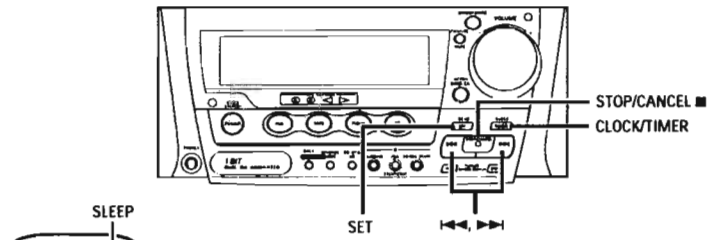
- ❑ Dolby NR is inactive in dubbing mode regardless of the setting of DOLBY B NR. The dubbed tape automatically contains the same processing as the source tape.
- ❑ When doing dubbing with the DUBBING button, you can hear Sound Mode effects through the speakers or headphones. However, the sound is dubbed without Sound Mode effects.

Recording With the Timer

The Cassette Deck can be set to record a tape automatically. This is especially useful for recording broadcasts when you are not at home, or late at night when you are asleep.

1. Insert a cassette for recording into Deck B.
2. Set the ONCE REC Timer, by following the steps in "Setting the ONCE REC (Recording) Timer" (Page 31).

Using the Timers



When the CA-D4T is being used, the display shows other items as well. However, we have only shown the items described in this section.

The timers lets you control recording and listening functions automatically.
Three types of timers are available:

- ❑ DAILY Timer — Wake up to music from any source.
- ❑ ONCE REC (Recording) Timer — Unattended recording of radio broadcasts. You can set the starting time and length of the recording.
- ❑ SLEEP Timer — Fall asleep and have your CA-D4T turn off automatically after a certain length of time.

Clock Setting

The timers depend on the clock: the clock must be right for the timers to work as you expect.
Note that the clock must be set, or the timers cannot be set.

Setting the Clock

1. Press the CLOCK/TIMER button.
   The SET button light comes on.

2. Set the hour by pressing the I◄◄ or ►►I button.
   Pressing the ►►I button increase the hour, and pressing I◄◄ button decrease it.
   Holding down these buttons allows you to continuously adjust the hour setting until the button is released.

3. Press the SET button.
   Check that the hour setting is correct.

4. Set the mimutes by pressing the I◄◄ or ►►I button.
   Pressing the ►►I button increase the minute, and pressing I◄◄ button decrease it.
   Holding down these buttons allows you to continuously adjust the minute setting in 10 minute increments until the button is released.

5. Press the SET button.
   The SET button light goes out and the clock is set to the hour and minute you have selected starting from zero seconds after "CLOCK OK" appears in the display.

CAUITON: If there is a power failure, the clock loses its setting. The display shows "AM12:00", and the clock must be reset.

Setting the DAILY Timer

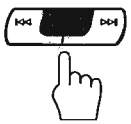
With this timer you can wake up to music from a CD, tape or your favourite radio program.
❑ You can set the DAILY Timer whether the Unit is on or off.

Procedure For Setting the DAILY Timer
The DAILY Timer is used to set the various settings, from the Timer ON setting to the Volume level. Use the ⏮ or ⏭ buttons to select each setting then press the SET button to complete the setting. To correct any errors in the setting, press the STOP/CANCEL ■ button, and go back through the settings until you reach the Timer ON setting.
The ⏮, ⏭, SET and STOP/CANCEL ■buttons blink if they can be used in a particular setting.
When the SET button is pressed, the settings for the next item are displayed on the display.

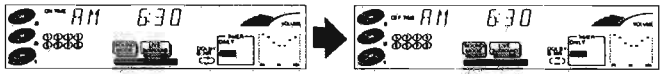
1. Press the TIMER button and so that "DAILY Timer" appears in the display.
The message "DAILY" blinks on the display and the DAILY indicator light blinks.

❑ The display changes with each press of the button, as shown below.
DAILY (blinks) → ON TIME (blinks) → ONCE REC (blinks) → ON TIME (blinks) → CLOCK (blinks) (Clock setting mode) → original display before the TIMER button was pressed → to the beginning)

2. Press the TIMER button again.
The display changes to the blinking "DAILY" or a blinking display of the Timer ON setting.



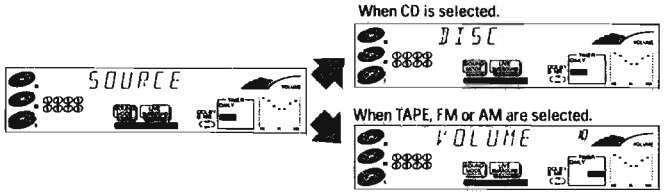
3. Set the time you want the Unit to turn on.



The "OFF TIME" hour setting starts to blink after the "ON TIME" minute setting is set.

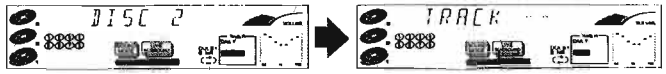
4. Set the time you want the Unit to turn off.

5. Select the source you want to listen to.



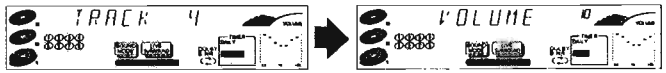
CD: Select this when you want to listen to a CD. When CD is selected, you can set the disc number and track number (1-20).
Use the procedure below to set the disc number and track number.

1. Set the disc number.



- If a disc number is not set, the disc indicated by the disc marker is selected.

2. Set the track number.



- If no track number is set, playback starts from the first track.

TAPE: Select this when you want to listen to a cassette tape.
FM: Select this when you want to listen to a FM channel.
AM: Select this when you want to listen to an AM channel.

- If you select FM or AM as the source, the last played station is the one which comes on at the set time.

5. Setting the Volume Level.
When the volume level is set, the message "TIMER OK" is displayed, and the blinking "DAILY" indicator changes to a continuously lit display to let you know that the DAILY Timer setting is complete.

6. Turn the power off.
When the timer start time arrives, the CA-D4T's power is turned on and the source you selected is played. When the timer end time comes, the power is turned off again.

❑ If you press any source button while the DAILY Timer is active, the timer operation is cancelled.

Before Turning Off the Unit
❑ If the source is a CD, make sure that there is a CD in the selected disc number.
❑ If the source is a tape:
- Check that the tape direction is correct. This is important especially when Reverse Mode is off.
- Deck B has priority, so if tapes are in both decks, the tape in Deck B plays first.
- Set Reverse Mode on if you want to play both sides of the tape.

❑ Select the Sound Mode if you want to listen using a Sound Mode (D. CLUB, HALL STADIUM, etc.).

To change the DAILY Timer setting
To change the settings for the DAILY Timer, repeat the setting procedure from the beginning.

Turning the DAILY Timer On and Off

Once the DAILY Timer has been set it will be activated at the same time every day until the setting is turned off.
To turn the DAILY Timer off, press the TIMER button until "DAILY" appears in the display, then press the STOP/CANCEL ■ button.
The message "OFF" appears in the display.

To turn the DAILY TIMER on again, press the TIMER button until "DAILY" appears in the display, then press the SET button.
The Timer ON TIME, OFF TIME, PLAYBACK SOURCE (including the disc number and track number if a CD source is selected) are displayed on the display.

CAUTION: If the CA-D4T is unplugged, or a power failure occurs, the timer setting will be erased after 2 or 3 days. If the settings are erased in this way, reset the timer settings.

Setting the ONCE REC (Recording) Timer

With the Recording Timer you can make a tape of a radio broadcast automatically whether or not you are home. For the timer to work correctly, you need to make sure of the following in addition to setting the time for the Tuner and Cassette Deck to come on:

- ❑ You can set the Recording Timer whether the Unit is on or off.
- ❑ The tape you want to record onto must be in Deck B.
- ❑ The radio station whose program you want to tape must be the last one played before the timer comes on.

Procedure for Setting the Recording Time

1. Press the TIMER button until "ONCE REC" appears in the display.
The message "ONCE REC" blinks on the display and the ONCE REC indicator light blinks.

- ❑ The display changes with each press of the button, as shown below.
  DAILY (blinks) → ON TIME (blinks) → ONCE REC (blinks) → ON TIME (blinks) → CLOCK (blinks) (Clock setting mode) → original display before the TIMER button was pressed → to the beginning)

2. Press the TIMER button again.
The display changes from "ONCE REC" to the setting display for the Timer ON time.

3. Set the time you want the radio to come on, and put a tape in Deck B to record on.
- ❑ Use the ⏮ or ⏭ button to set the start time, then press the SET button.

4. Set the time you want the radio to shut off and the tape in Deck B to stop recording.
- ❑ Use the ⏮ or ⏭ button to set the off time, then press the SET button.
  The message "TIMER OK" is displayed, and the blinking "ONCE REC" indicator changes to a continuously lit display to let you know that the ONCE REC Timer setting is complete.

5. Turn the power off.
When the set time comes, the CA-D4T turns the power on and records the broadcasting station you selected last, before turning the power off.
- ❑ If a button is pressed when the Recording timer is operating, recording continues but the timer is cancelled.

Before the Timer Starts

- ❑ Check that the recording direction for the tape and the TAPE indicator are the same.
- ❑ Set Reverse Mode to on if you want to record on both sides of the tape. Check that the recording direction and the direction of the TAPE indicator are correct. (See "Notes for using Reverse Mode for recording" on page 25.)
- ❑ The VOLUME control is automatically set to 0 when ONCE REC Timer is recording.

It is very easy, and can be very disappointing, to forget to put in a tape, or to accidentally leave a tape in Deck B you don't want recorded over. Although this happens to almost everyone at one time or another, we hope it won't happen to you!

To Change the Recording Timer Setting

To change the settings for the ONCE REC Timer, repeat the setting procedure from the beginning.

Turning the ONCE REC Timer On and Off

Once the ONCE REC Timer has been used to record a source, the setting is maintained but the Timer is set to OFF.
To record at the same time again, press the TIMER button, select the "ONCE REC" display and press the SET button to turn the ONCE REC Timer on.
The ON TIME and OFF TIME are displayed.

To turn the ONCE REC Timer off before the timer starts, press the TIMER button, select the "ONCE REC" display and press the STOP/CANCEL ■ button to turn the timer off.
The message "OFF" appears in the display.

CAUTION: If the CA-D4T is unplugged, or a power failure occurs, the timer setting will be erased after 2 or 3 days. If settings are erased in this way, reset the timer settings.

Setting the SLEEP Timer

Use the Sleep Timer to turn the Unit off after a certain number of minutes when it is playing. By setting this timer, you can fall asleep to music and know your Unit will turn off by itself rather than play all night.

- ❑ You can only set the Sleep Timer when the Unit is on and a source is playing.

To set the SLEEP Timer, follow this procedure:

1. With the CA-D4T on and a source playing, press the SLEEP button on the Remote Control.
The message "SLEEP" appears in the display.

2. Set the length of time you want the source to play before shutting off.
- ❑ Each time you press this button while the "SLEEP" indicator is blinking, it changes the number of minutes shown on the display in this sequence:

→ 10 → 20 → 30 → 60 → 90 → 120 → Cancelled → (back to the beginning)

When the number of minutes you want shows on the display, just wait 5 seconds until the indicator stops blinking, and is lighted steadily.

The Unit is now set to turn off after the number of minutes you set.

To Change the SLEEP Timer Setting

Press the SLEEP button until the number of minutes you want appears on the display.

To Cancel the SLEEP Timer Setting

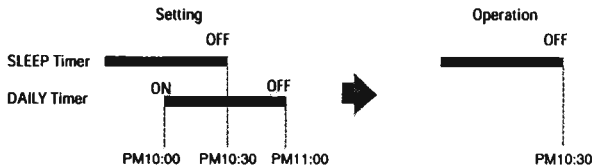
Press the SLEEP button until the "SLEEP" indicator goes off on the display.
Turning off the Unit also cancels the SLEEP Timer.

Timer Priority

Since each timer can be set independently, you may wonder what happens if the settings overlap. Here are the priorities for each timer:

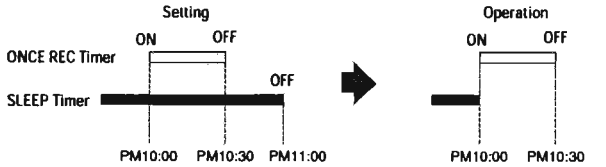
- ❑ The ONCE REC Timer always has priority. This means that:
  - If another timer is set to come on during a time when the ONCE REC Timer is operating, the other timer just won't come on at all, so you will always get the entire program on tape.
  - If the ONCE REC Timer is set to come on while another timer is operating, the other timer will shut off 10 seconds before the ONCE REC Timer is set to turn on, and the ONCE REC Timer will then take over.
- ❑ The SLEEP Timer has priority over the DAILY Timer. This is important because if you set the SLEEP Timer to start before and then end after the DAILY Timer would start, the DAILY Timer doesn't come on. So if you want your alarm to go off as scheduled, be sure the SLEEP Timer shuts off before the DAILY Timer is set to turn on the Unit.

Example 1



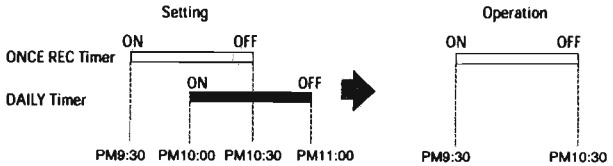
The SLEEP Timer has priority.

Example 2



The ONCE REC Timer has priority.

Example 3



The ONCE REC Timer has priority.

Troubleshooting

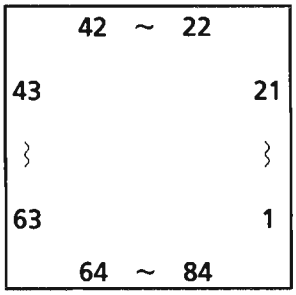
- If you are having a problem with your CA-D4T, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the Unit has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard.	Connections are incorrect, or loose.	Check all connections and make corrections. (See pages 4 - 6.)
Unable to record.	Cassette record protect tabs are removed.	Cover holes on back edge of cassette with tape.
Poor radio reception	• The antenna is disconnected. • The AM Loop Antenna is too close to the Unit. • The FM Wire Antenna is not properly extended and positioned.	• Re-connect the antenna securely. • Change the position and direction of the AM Loop Antenna. • Extend FM Wire Antenna to the best reception position.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD.
Unable to operate the Remote Control.	• The path between the Remote Control and the sensor on the Unit is blocked. • The batteries have lost their charge.	• Remove the obstruction. • Replace the batteries.
The CD tray cannot be opened.	The main AC power cord is not plugged in.	Plug in the AC power plug.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the Unit then plug it back in.
The cassette door cannot be opened.	During tape playing, the power cord was unplugged.	Plug in the power cord, press the POWER button, and then the EJECT button.

Description of the ICs

■ MN172412J6N(IC701) : System Controller

1. Terminal layout



2. Key matrix

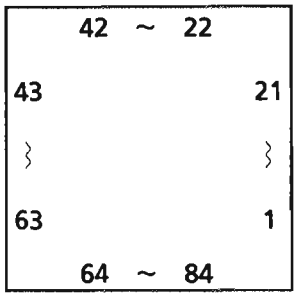
	KEY IN 0 (49pin)	KEY IN 1 (50pin)	KEY IN2 (51pin)		KEY IN 0 (49pin)	KEY IN 1 (50pin)	KEY IN2 (51pin)
1G (3pin)	PROGRAM/ (S701)	EDIT (S702)	REPEAT RANDOM (S703)	6G (8pin)	CD (S716)	REC (S717)	◀◀ (S718)
2G (4pin)	OPEN / CLOSE 1 (S704)	OPEN / CLOSE 2 (S705)	OPEN / CLOSE 3 (S706)	7G (9pin)	FM / AM (S719)	DUBBING (S720)	STOP / CLEAR (S721)
3G (5pin)	DISC 1 (S707)	DISC 2 (S708)	DISC 3 (S709)	8G (10pin)	TAPE (S722)	DOLBY B NR (S723)	▶▶ (S724)
4G (6pin)	KARAOKE (S710)	SOUND MODE (S711)	BASS (S712)	9G (11pin)	AUX (S725)	REVERSE MODE (S726)	▶▶| (S727)
5G (7pin)	DEMO / SET (S713)	CD REC START (S714)	|◀◀ (S715)	10G (12pin)	POWER (S728)	A/B (S729)	CLOCK TIMER (S730)

3. Terminal Function

Pin No.	Symbol	I/O	Functions and Operations	Pin No.	Symbol	I/O	Functions and Operations
1	S11	O	FL Segment control output	45	COMCLK	I	Clock signal input from IC751
2	S12	O	FL Segment control output	46	COMDT1	I	Data signal input from IC751
3	1G	O	FL Grid control output(Key matrix output)	47	COMDT2	O	Data signal output for IC751
4	2G	O	FL Grid control output(Key matrix output)	48	RMIN	I	Remote control signal input
5	3G	O	FL Grid control output(Key matrix output)	49	KI0	I	Key matrix input
6	4G	O	FL Grid control output(Key matrix output)	50	KI1	I	Key matrix input
7	5G	O	FL Grid control output(Key matrix output)	51	KI2	I	Key matrix input
8	6G	O	FL Grid control output(Key matrix output)	52	COMRDY	I	Redy signal input from IC851
9	7G	O	FL Grid control output(Key matrix output)	53	PRT	I	Protector signal input
10	8G	O	FL Grid control output(Key matrix output)	54	JOG IN 1	I	Input 1 of JOG Palse
11	9G	O	FL Grid control output	55	JOG IN 2	I	Input 2 of JOG Palse
12	10G	O	FL Grid control output	56	IFDATA	I	Data signal input from IC121
13	11G	O	FL Grid control output	57	TCLK	O	Clock signal output for IC121
14	12G	O	FL Grid control output	58	TDATA	O	Data signal output for IC121
15	13G	O	FL Grid control output	59	TCE	O	Thip eneble for IC121
16	14G	O	FL Grid control output	60	/INH	I	Inhibit signal input
19	S13	O	FL Segment control output	61	SPK	O	Speaker relay control signal output
20	S14	O	FL Segment control output	62	SCL	O	Clock signal output for IC401
21	S15	O	FL Segment control output	63	SDA	O	Data signal output for IC401
22	S16	O	FL Segment control output	64	CD,IND	O	'CD' indicator control signal
23	V_{PP}	--	Power supply(-Vpp,,,)	65	TUNER,IND	O	'TUNER' indicator control signal
24	S17	O	FL Segment control output	66	TAPE,IND	O	'TAPE' indicator control signal
25	S18	O	FL Segment control output	67	AUX,IND	O	'AUX' indicator control signal
26	S19	O	FL Segment control output	68	RESET	I	System reset signal signal input
30	STOP.IND	O	'STOP' indicator control signal	69	X1	--	Connection of the GND
31	SET,IND	O	'SET' indicator control signal	71	VSS	--	Connection of the GND
32	DISC1,IND	O	'DISC1'indicator control signal	72	OSC2	--	Oscillation terminal (6MHz)
33	DISC2,IND	O	'DISC2' indicator control signal	73	OSC1	--	Oscillation terminal (6MHz)
34	DISC3,IND	O	'DISC3' indicator control signal	74	V_{DD}	--	Power supply(+5V)
35	SKIP,IND	O	'SKIP' indicator control signal	75	S1	O	FL Segment control output
36	SURROUND	O	SURROUND control signal output	76	S2	O	FL Segment control output
37	V,MASK	O	Vocal masking control signal output	77	S3	O	FL Segment control output
38	ECHO1	O	Echo1 control signal output	78	S4	O	FL Segment control output
39	ECHO2	O	Echo2 control signal output	79	S5	O	FL Segment control output
40	T,MUTE	O	Tuner mute signal output	80	S6	O	FL Segment control output
41	S,MUTE	O	Sourse mute signal output	81	S7	O	FL Segment control output
42	POWER	O	Power control signal output	82	S8	O	FL Segment control output
43	H,PH,IN	I	Head phone detect signal input	83	S9	O	FL Segment control output
44	RMOUT	O	Infrared ray LED output for IllumiMagic compu play	84	S10	O	FL Segment control output

■ MN172412K8D (IC751) : Deck & CD Controller

1. Terminal layout

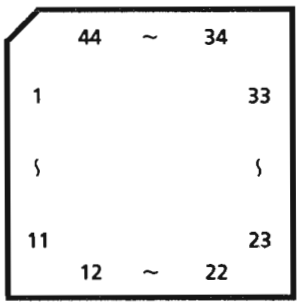


3. Pin Functions

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	APACK	I	APACKswitch detect input	43	COMDT2	O	Data 2 signal for IC701
2	AEQ	O	Play equalizer control	44	NC	–	Pull down
3	DECKAI	O	Indication control	45	SQCK	O	Clock signal for sub code and Q register
4	DECKBI	O	Indication control	46	SUBQ	I	Sub code and Q register signal input
5	PLAYRI	O	Indication control	47	LSI POWER	O	CD LSI Power output control
6	PLAYFI	O	Indication control	48	STAT	I	Statas signal input
7	RECI	O	Indication control	49	/RST	O	System reset signal output
8	STDBY	O	Indication control	50	NC	–	Non connection
9	NC	–	Non connection	51	NC	–	Non connection
10	NC	–	Non connection	52	/RESET SW	I	CD mech. rest switch input
11	NC	–	Non connection	53	MLD	O	µ.-com comand road signal output
12	PBEQ	O	Play equalizer select output	54	MDATA	O	µ.-com comand data signal output
13	MSIN	I	Music scan signal input	55	MCLK	O	µ.-com comand clock signal output
14	NR	O	Dolby ON/OFF control	56	DATA	O	Data signal output for changer µ.-com
15	CAPN	O	Capstan (ON/OFF) control	57	SCK	O	CLock signal output for changer µ.-com
16	BPLZ	O	B mech.pranger control output	58	CHST	O	Strove signal output for changer µ.-com
17	APLZ	O	A mech.pranger control output	59	REQI	I	Redy signal input from changer µ.-com
18	FADE	O	FADE mode control	60	NC	–	Non conection
19	AMT	O	It is "H" when Deck A is not playing	61	NC	–	Non connection
20	BMT	O	It is "H" when Deck B is not playing	62	NC	–	Non connection
21	OMT	O	Deck P.B mute control signal	63	GND	–	GND
22	RMT	O	Rec. P.B select signal output	64	NC	–	Non connection
23	GND	–	GND	65	NC	–	Non connection
24	PB/REC	O	It is "H" when NR recording	66	NC	–	Non connection
25	REC	O	It is "H" when recording	67	NC	–	Non connection
26	BIAS	O	REC bias ON/OFF control	68	RESET	I	System reset signal input
27	NC	–	Non connection	69	GND	–	GND
28	NC	–	Non connection	70	NC	–	Non connection
29	NC	–	Non connection	71	GND	–	GND
30	NC	–	Non connection	72	OSC	–	Osilaltion terminal(6MHz)
31	NC	–	Non connection	73	OSC	–	Osilaltion terminal(6MHz)
32	GND	–	Connection to the ground	74	VDD	–	Power suplly
33	GND	–	Connection to the ground	75	DCS OUT	O	DCS signal output
34	GND	–	Connection to the ground	76	DCS IN	I	DCS signal input
35	GND	–	Connection to the ground	77	APLS	I	A mech. reel palse input
36	GND	–	Connection to the ground	78	PSWA	O	A mech. play switch output
37	GND	–	Connection to the ground	79	BEQ	O	Bias current and Playing EQ control
38	GND	–	Connection to the ground	80	PSWB	I	B mech. play switch output
39	GND	–	Connection to the ground	81	PBLS	I	B mech. reel palse input
40	COMRDY	O	Redy signal output to IC701	82	FREC	I	FREC switch detect input
41	COMCLK	O	Clock signal for IC701	83	RREC	I	RREC switch detect input
42	COMDT1	I	Data 1 signal from IC701	84	BPACK	I	BPACKswitch detect input

■ UPD65612GB-165(IC801) : Changer Controller

1. Terminal Layout

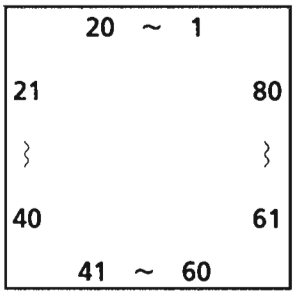


2. Pin Functions

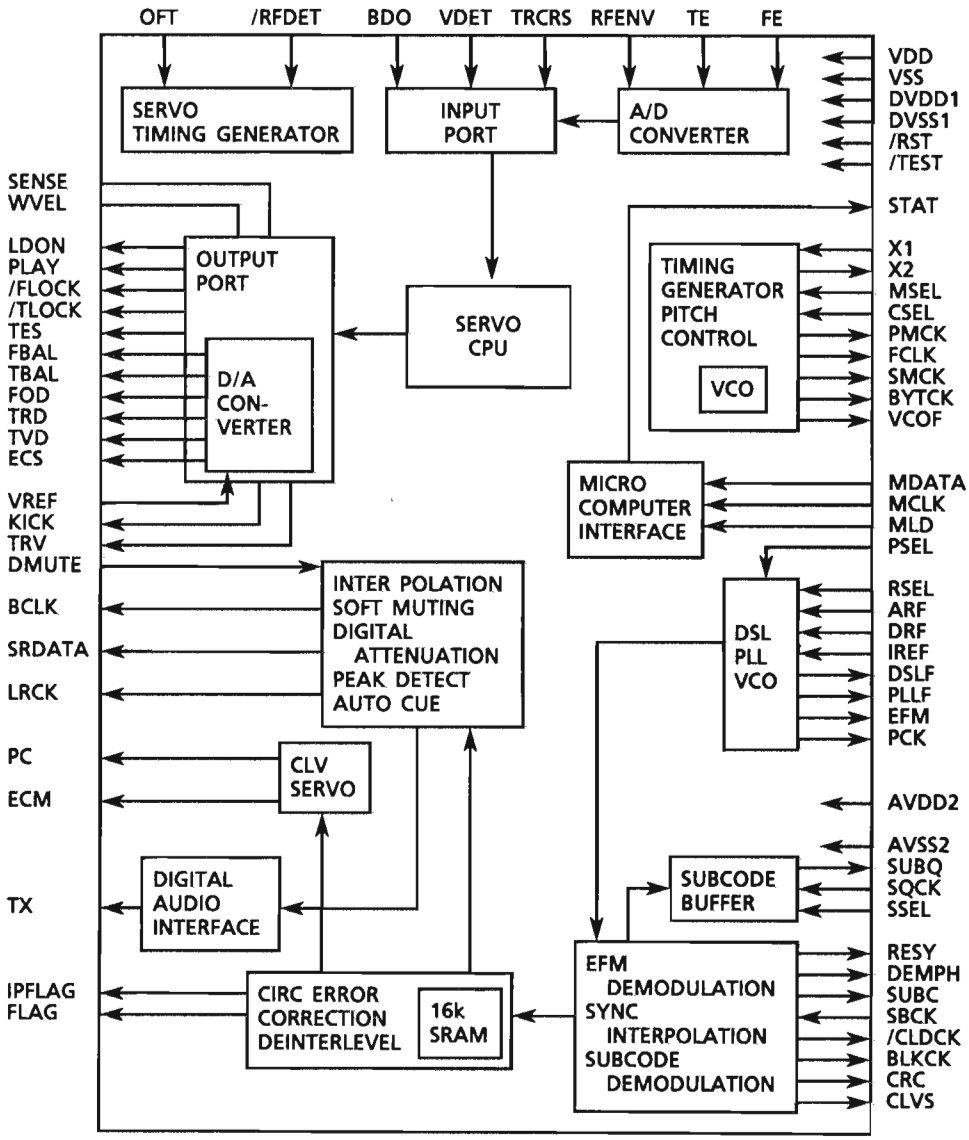
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	NC	--	Non connection	23	2SSW	I	TRAY2 switch input signal
2	NC	--	Non connection	24	1SSW	I	TRAY1 switch input signal
3	NC	--	Non connection	25	NC	--	Non connection
4	OS1I	I	Oscillation terminal	26	CAM0	I	Cam switch input signal for LCAM
5	OS1O	O	Oscillation terminal	27	CAM1	I	Cam switch input signal for LCAM
6	OS2I	I	Oscillation terminal	28	CAM2	I	Cam switch input signal for LCAM
7	OS2O	O	Oscillation terminal	29	CAM3	I	Cam switch input signal for LCAM
8	NC	--	Non connection	30	CAM4	I	Cam switch input signal for RCAM
9	C25IN	I	Connected to C25OUT	31	CAM5	I	Cam switch input signal for RCAM
10	C25OUT	O	Connected to C25IN	32	CAM6	I	Cam switch input signal for RCAM
11	RESET	I	Reset signal input	33	CAM7	I	Cam switch input signal for RCAM
12	REQ	O	Output the "mecha. data request"	34	FIT	O	Connected to C50
13	DATA	I/O	Control,Status data I/O	35	C50	I	Connected to FIT
14	ST	I	Strobe signal input	36	LMUP	O	L motor control signal
15	CKS	I	Clock input	37	LMDWN	O	L motor control signal
16	SELECT	--	Connected to GND	38	C25	--	Non connection
17	GND	--	GND	39	VDD	--	Power supply terminal
18	CK	--	Connected to GND	40	C100	--	Non connection
19	1MSW	I	TRAY1 switch input signal	41	RMUP	O	R motor control signal
20	2MSW	I	TRAY2 switch input signal	42	RMDWN	O	R motor control signal
21	3MSW	I	TRAY3 switch input signal	43	NC	--	Non connection
22	3SSW	I	TRAY3 switch input signal	44	NC	--	Non connection

■ MN35510 (IC603) : DIGITAL SERVO & DIGITAL SIGNAL PROCESSER

1. Terminal Layout



2. Block Diagram

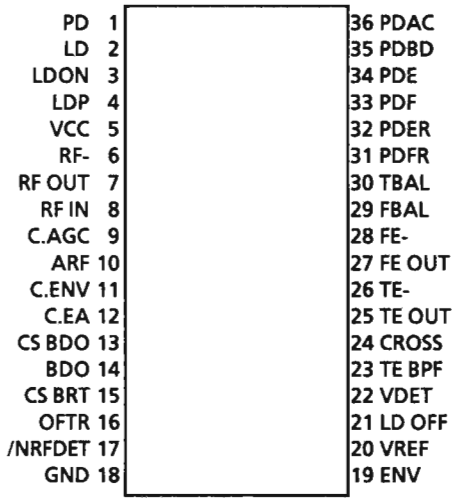


3. Description

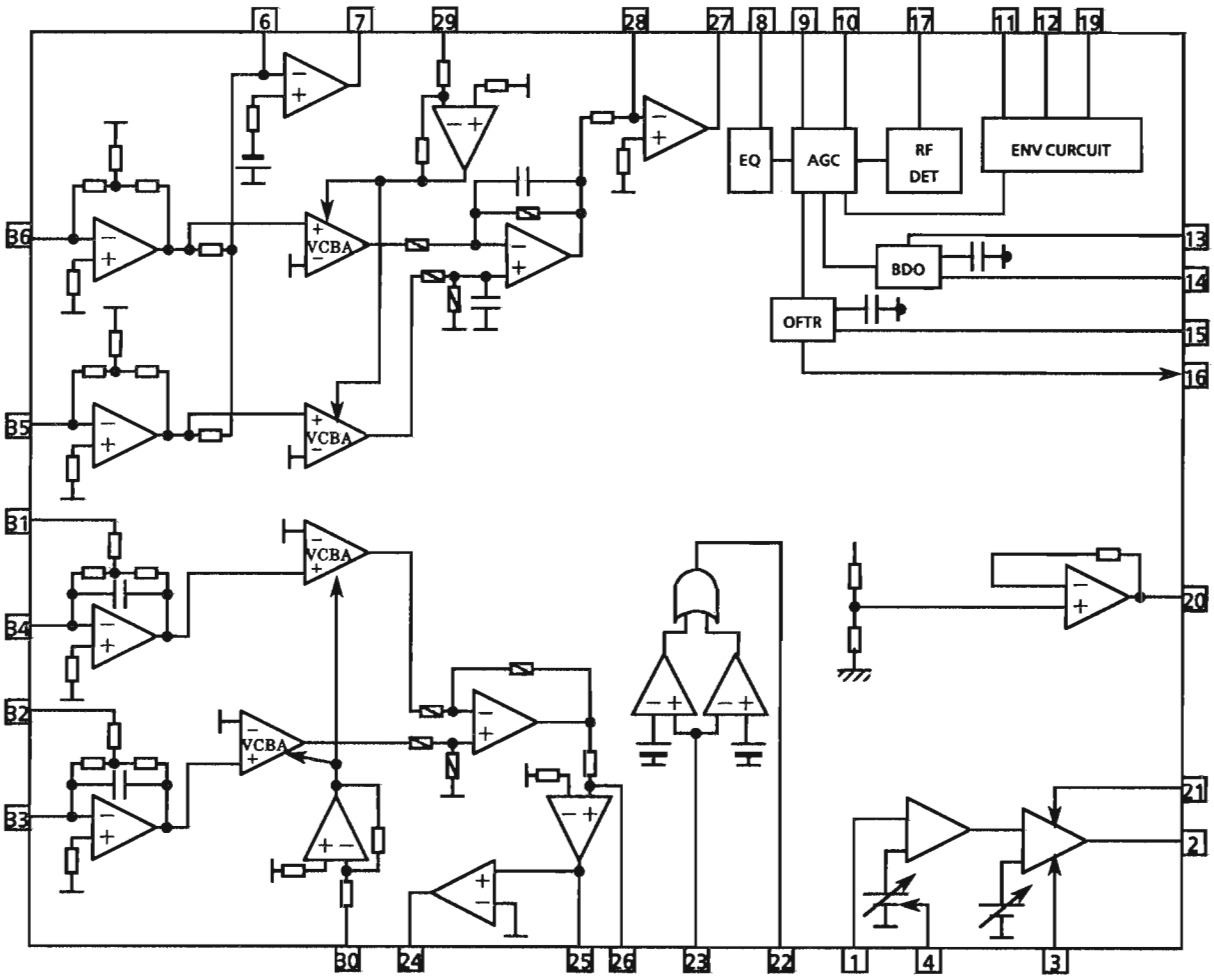
Pin No.	symbol	I/O	Description	Pin No.	symbol	I/O	Description
1	BCLK	O	Not used	41	TES	O	Tracking error shunt signal output (H;shunt)
2	LRCK	O	Not used	42	PLAY	—	Not used
3	SRDATA	O	Not used	43	WVEL	—	Not used
4	DVDD1	—	Power supply(Digital)	44	ARF	I	RF signal input
5	DVSS1	—	Not used	45	IREF	I	Reference current input pin
6	TX	O	Not used	46	DRF	I	Bias pin for DSL
7	MCLK	I	µ-com command clock signal input (Data is latched at signal's rising point)	47	DSLF	I/O	Loop filter pin for DSL
8	MDATA	I	µ-com command data input	48	PLLF	I/O	Loop filter pin for PLL
9	MLD	I	µ-com command load signal input	49	VCOF	—	Not used
10	SENSE	O	Not used	50	AVDD2	—	Power supply (Analog)
11	FLOCK	O	Not used	51	AVSS2	—	Connected to GND(Analog)
12	TLOCK	O	Not used	52	EFM	—	Not used
13	BLKCK	O	Subcode · block · clock signal output	53	PCK	—	Not used
14	SQCK	I	Outside lock for sub-code Q resister input	54	PDO	—	Not used
15	SUBQ	O	Sub-code Q-code output	55	SUBC	—	Not used
16	DMUTE	—	Connected to GND	56	SBCK	—	Not used
17	STATUS	O	Status signal (CRC,CUE,CLVS,TTSTOP,ECLV,SQOK)	57	VSS	—	Connected to GND(for X'tal cscillation circuit)
18	RST	I	Reset signal input (L :Reset)	58	X1	I	Input of 16.9344MHz X'tal oscillation circuit
19	SMCK	—	Not used	59	X2	O	Output of X'tal oscillation circuit
20	PMCK	—	Not used	60	VDD	—	Power supply(for X'tal cscillation circuit)
21	TRV	O	Traverse enforced output	61	BYTCK	—	Not used
22	TVD	O	Traverse drive output	62	CLDCK	—	Not used
23	PC	—	Not used	63	FCLK	—	Not used
24	ECM	O	Spindle motor drive signal (Enforced mode output) 3-State	64	IPPLAG	—	Not used
25	ECS	O	Spindle motor drive signal (Servo error signal output)	65	FLAG	—	Not used
26	KICK	O	Kick pulse output	66	CLVS	—	Not used
27	TRD	O	Tracking drive output	67	CRC	—	Not used
28	FOD	O	Focus drive output	68	DEMPH		Not used
29	VREF	I	Reference voltage input pin for D/A output block(TVD,FOD,FBAL,TBAL)	69	RESY	—	Not used
30	FBAL	O	Focus Balance adjust signal output	70	IOSEL	—	Pull up
31	TBAL	O	Tracking Balance adjust signal output	71	TEST	—	Pull up
32	FE	I	Focus error signal input(Analog input)	72	AVDD1	—	Power supply (Digital)
33	TE	I	Tracking error signal input(Analog input)	73	OUT L	O	Lch audio output
34	RF ENV	I	RF envelope signal input(Analog input)	74	AVSS1	—	Connected to GND
35	VDET	I	Vibration detect signal input(H : detect)	75	OUT R	O	Rch audio output
36	OFT	I	Off track signal input(H : off track)	76	RSEL	—	Pull up
37	TRCRS	I	Track cross signal input	77	CSEL	—	Connected to GND
38	RFDET	I	RF detect signal input (L : detect)	78	PSEL	—	Connected to GND
39	BDO	I	BDO input pin (H : drop out)	79	MSEL	—	Connected to GND
40	LDON	O	Laser ON signal output (H : on)	80	SSEL	—	Not used

■ AN8806SB (IC601) : RF & SERVO AMP

1. Terminal Layout



2. Block Diagram

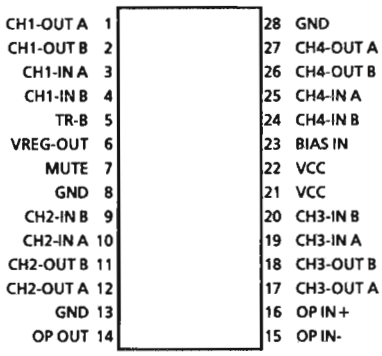


3. Functions

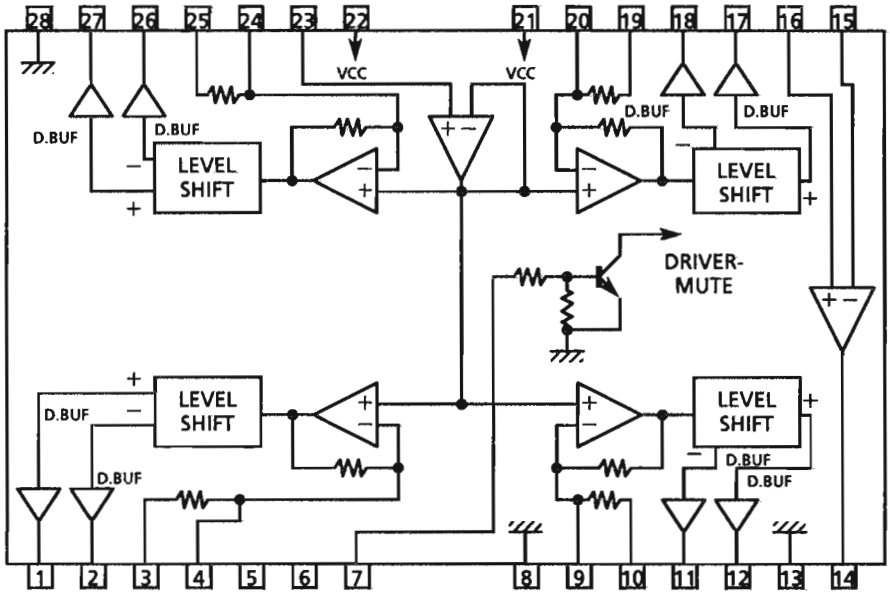
Pin No.	Symbol	I/O	Functions and operations
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	--	Connected to ground
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RF amp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	RF output
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of the RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of the RF signal
16	OFTR	O	Of-track status signal output
17	/NRFDET	O	RF detection signal output
18	GND	--	Ground
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output
21	LD OFF	--	Connect to ground
22	VDET	O	Vibration detection signal output
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output
25	TE OUT	O	Tracking error signal output
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control
30	TBAL	I	Tracking balance control
31	PDFR	--	Non connection
32	PDER	--	Non connection
33	PDF	I	I-V amp input
34	PDE	I	I-V amp input
35	PD BD	I	I-V amp input
36	PD AC	I	I-V amp input

■ BA6397FPW(IC602) : BTL DRIVER

1. Terminal Layout



2. Block Diagram

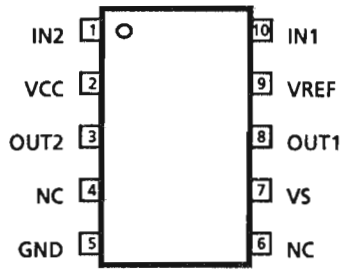


3.Description

Pin No.	Symbol	I/O	Description
1 2	CH1-OUT A CH1-OUT B	O	Focus drive output
3	CH1-IN A	—	Non connection
4	CH1-IN B	I	FOD input
5	TR-B	O	Transistor control
6	VREG-OUT	O	Referrence voltage output
7	MUTE	I	Mute signal input pin
9 20	CH2-IN B CH3-IN B	I I	Spindle motor drive input Feed motor drive input
11 12	CH2-OUT B CH2-OUT A	O	Spindle motor drive output
24	CH4-IN B	I	Feed motor drive input

Pin No.	Symbol	I/O	Description
8,13,28	GND	—	GND
10 14 15 16 19 25	CH2-IN A OPOUT OPIN- OPIN+ CH3-IN A CH4-IN A	—	Non connection
17 18	CH3-OUT A CH3-OUT B	O	Feed motor drive output
21,22	Vcc	—	Power supply
23	BIAS IN	I	Input pin of Bias
26 27	CH4-OUT B CH4-OUT A	O	Tracking drive output

■ TA8409F (IC802,IC803) : DC Motor driver

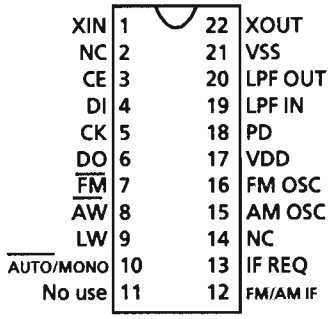


INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	stop
1	0	H	L	open
0	1	L	H	clpose
1	1	L	L	break

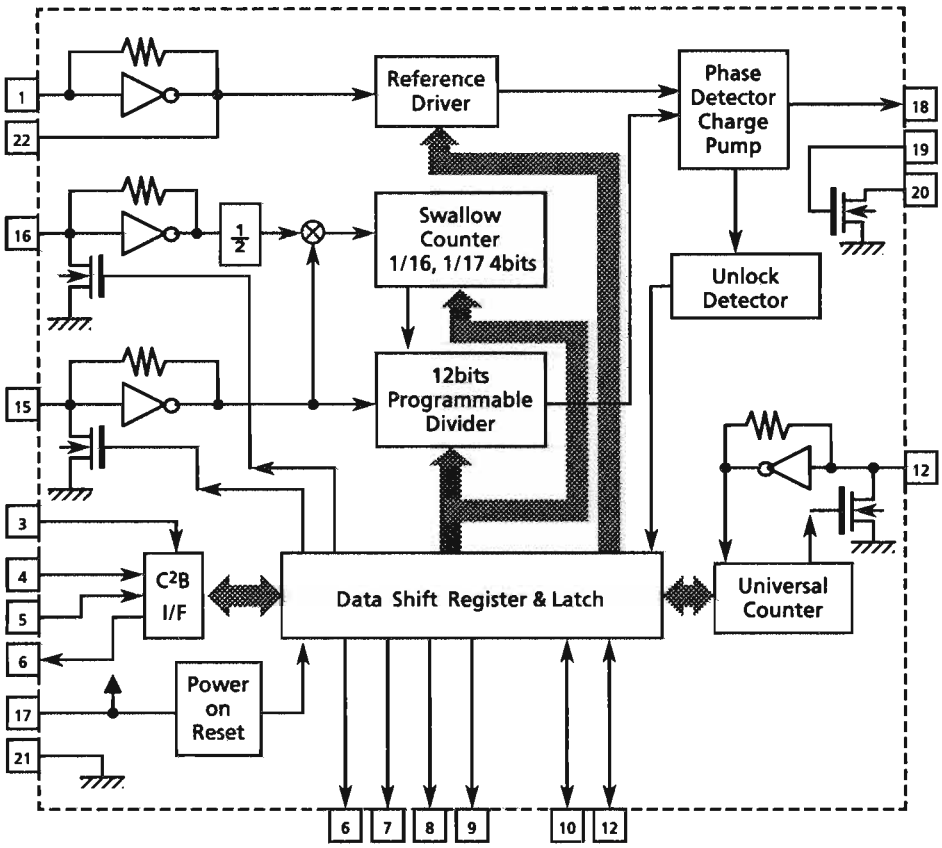
∞--High impeadance

■ LC72131 (IC121) : PLL Synthesizer

1. Terminal Layout



2. Block Diagram



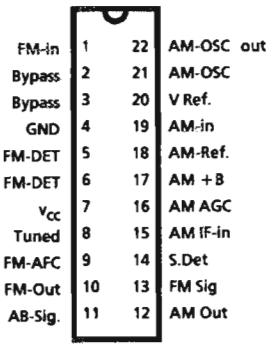
3. Pin Functions

Pin No.	Symbol	I/O	Functions	Pin No.	Symbol	I/O	Functions
1	X in	I	Crystal oscillator (7.2MHz).	12	FM/AM IF	I	Universal counter input
3	CE	I	Fix the chip enable to "H" when inputting (DI) and outputting (DO) the serial data.	13	IF REQ	O	Output the "IF-signal request" to IC102
4	DI	I	Receive the control data from the controller (IC701).	15	AM IN	I	Input the local oscillator signal of AM.
5	CK	I	This clock is used to synchronize data when transmitting the data of DI and DO.	16	FM IN	I	Input the local oscillator signal of FM.
6	DO	O	Transmit the data from LC72131 to the controller which is synchronized with CK.	17	VDD	--	This is a terminal of power supply.
7	$\overline{FM}$	O	It is "L" on FM mode.	18	PD	O	PLL charge pump output : When the local oscillator signal frequency is higher than the reference frequency high level signals will output. When it is lower than the reference frequency, low level signals will output. When it is same as reference frequency signals, it will be floating.
8	MW	O	It is "L" on MW mode.	19	LPF IN	I	Transistor used for the PLL active low-pass filterr
9	LW	O	It is "H" on LW mode.	20	LPF OUT	O	Transistor used for the PLL active low-pass filterr
10	$\overline{AUTO}$/ MONO	O	It is "H" on monaural, "L" on auto.	21	VSS	--	Connected to GND
11	NO USE	O		22	X out	O	Crystal oscillator (7.2MHz).

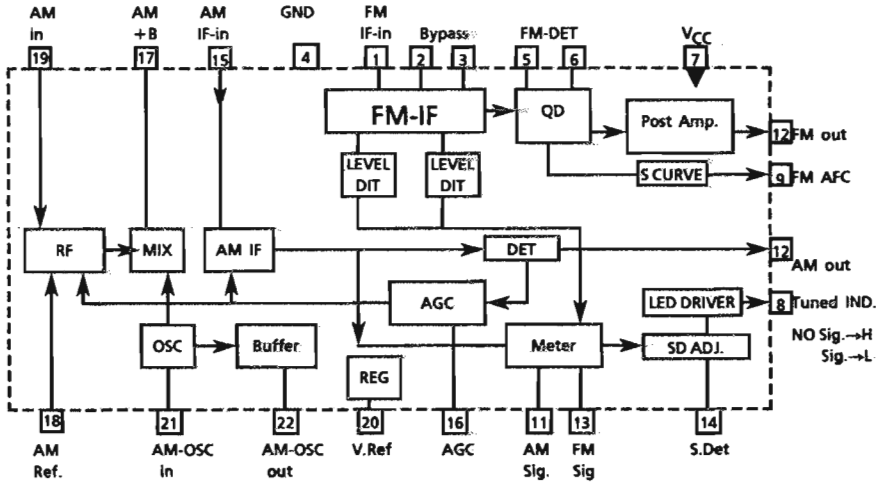
■ LA1266 (IC104) : FM AM IF AMP & detector

1. The main function descriptions
   (1) Amplify and detect of FM intermodulation frequencies.
   (2) It has local oscillator and mixer for AM, and amplify the AM-IF signal.

2. Top View



3. Block Diagram



4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1	FM in	I	This is an input terminal of FM IF Signal.
2,3	Bypass	--	Bypass of FM IF Amp.
4	GND	--	This is the device ground terminal.
5,6	FM DET	--	FM detect transformer.
7	V_{CC}	--	This is the power supply terminal.
8	SIG	O	Auto -stop drive signal output for mute and tune
9	FM AFC	O	This is an output terminal of voltage for FM - AFC.
10	FM IF out	O	When the signal of IF REQ of IC121(LC72131) applied to pin12, the signal of FM IF does output.
11	AM IF out	O	When the signal of IF REQ of IC121(LC72131) applied to pin12, the signal of AM IF does output.
12	FM out	O	FM detection output.
13	STRQ	I	The IF-signals come out from pin10 (FM-IF) or pin11 (AM-IF) while this terminal going to "High".
14	NAR SM	--	Control the Band-width of signal meter.
15	AM out	O	AM detection output.
16	FM Adj	--	For adjust the stop level (or mute level) of FM.
17	AM Adj	--	For adjust the stop level (or mute level) of AM.
18	AM-IF	I	Input of AM IF Signal.
19	AM-AGC	I	This is an AGC voltage Input terminal for AM.
20	AM-MIX	O	This is an output terminal for AM mixer.
21	AM-IN	I	This is an input terminal for AM RF Signal.
22	V.REF	--	Resister value between pin9 and pin22 desides the frequency width of the inputsignal
23	AM-OSC	--	This is a terminal of AM Local oscillation circuit.
24	AM-OSC out	O	AM Local Oscillation Signal output.

■ LA3401 (IC105) : FM MPX Detector

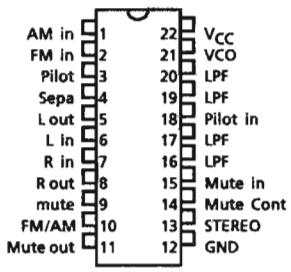
1. The main function descriptions

(1) Detect the FM Multiplex Signal (Stereo signal).

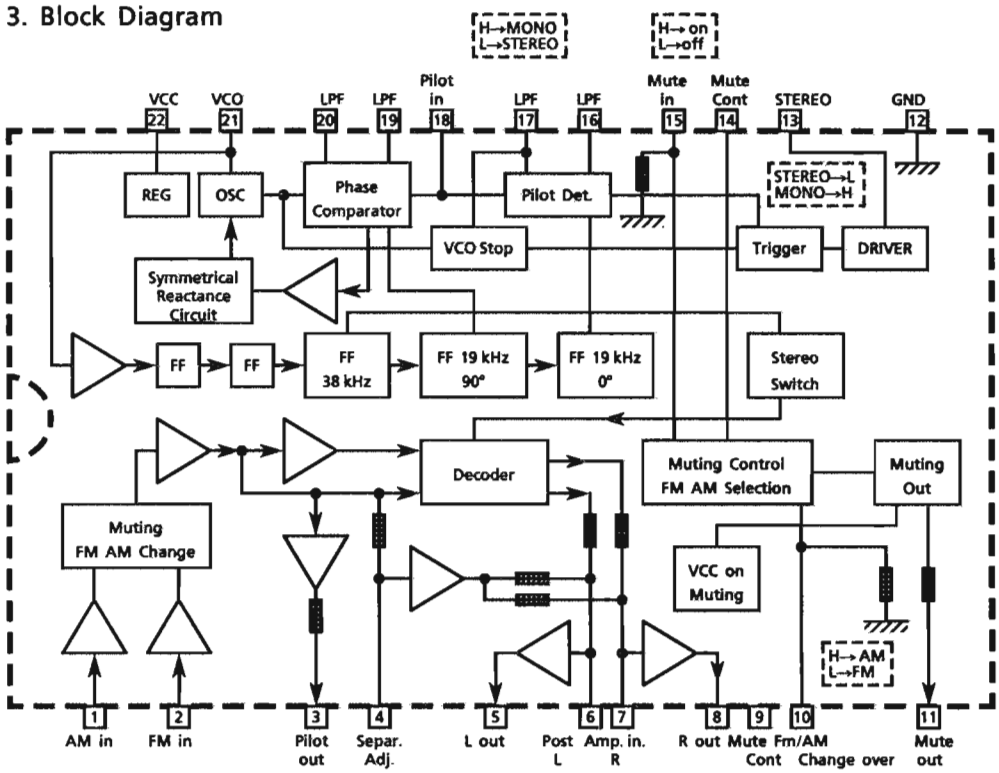
(2) When receiving FM Stereo Signal, it outputs the signal for indicator.

(3) AM / FM Audio Amplifier.

2. Terminal Layout



3. Block Diagram



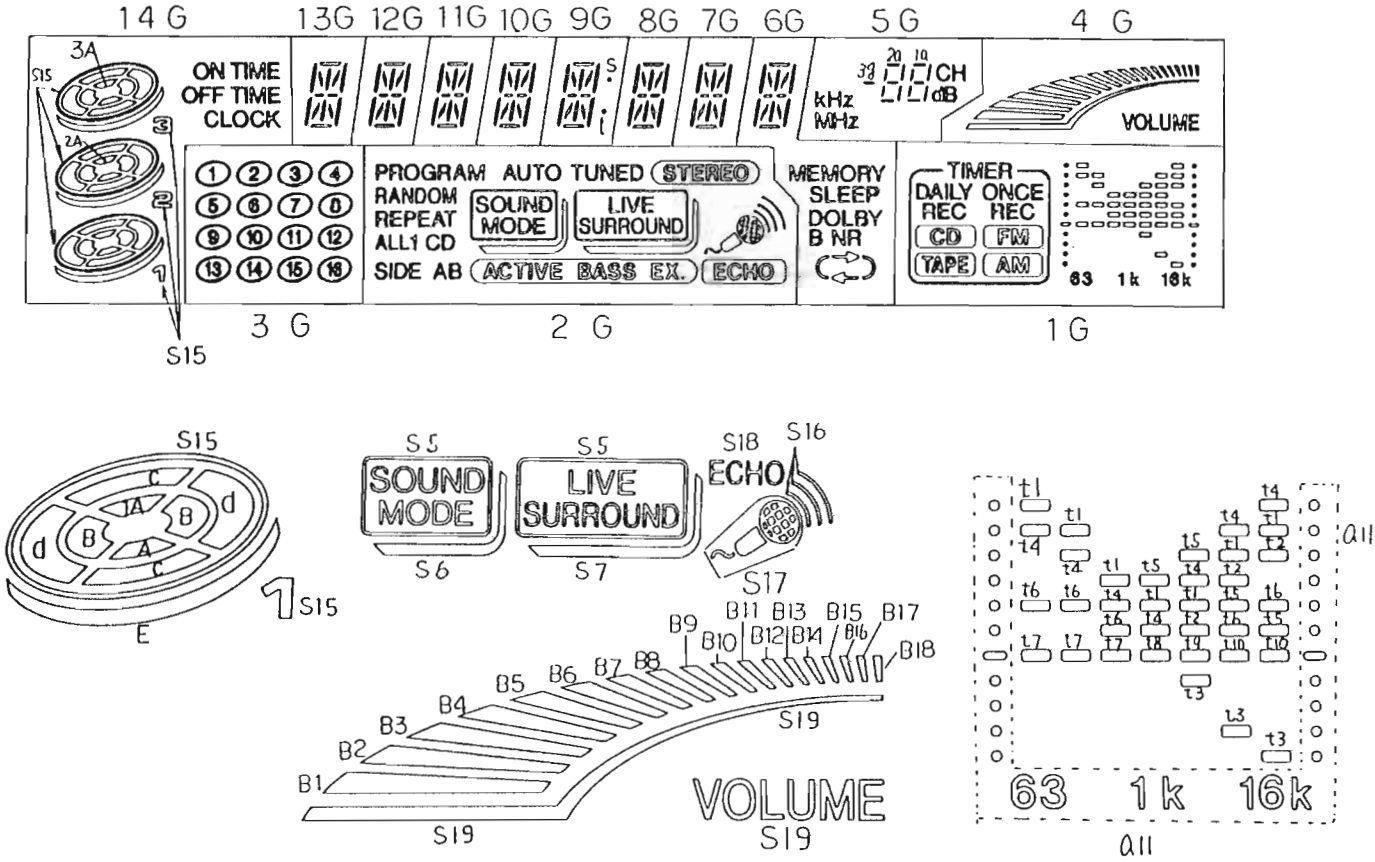
4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1	AM in	I	This is an input terminal for AM detection signal.
2	FM in	I	This is an input terminal for FM detection signal.
3	Pilot out	O	Output of MPX pilot signal (Connect to Pin18).
4	Sepa. Adj.	--	Separation adjustment.
5	L. out	O	Left channel signal output.
6	L	O	Reversal output of Pin5.
7	R	O	Reversal output of Pin8.
8	R out	O	Right channel signal output
9	Mute Cont	--	The mute time is controlled by the connected capacitor when turning the power switch on.
10	/FM, AM	I	Change over the FM / AM input. "H" : AM, "L" : FM
11	Mute out	--	Not use
12	GND	--	Ground terminal.
13	/Stereo	O	Stereo indicator output. Stereo : "L", Mono : "H"
14	Mute Cont	--	The mute time is controlled by the connected capacitor when changing over the FM / AM .
15	Mute in	I	MutE signal input."H" : Mute on, "L" : Mute off.
16	LPF	--	Low pass filter of pilot detector.
17	LPF	--	While this terminal goes to "H", the VCO stop.
18	Pilot in	I	Pilot input.
19	LPF	--	Low-pass filter of PLL.
20	LPF	--	Low-pass filter of PLL.
21	VCO	I	Voltage controlled oscillator terminal.
22	V_{CC}	--	Power supply.

Internal Connections of FL Display

■ ELU0001-210 : (FL701)

1. Grid Layout



2. Pin Connections

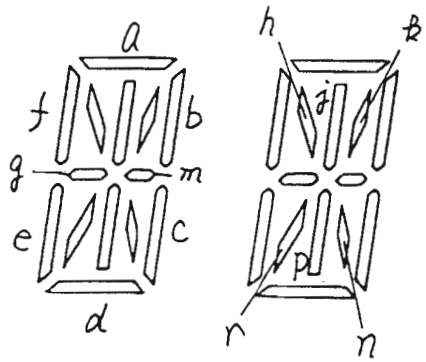
TERMINAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15					
ELECTRODE	F1	F1	F1	NP	P s1	P s2	P s3	P s4	P s5	P s6	P s7	P s8	P s9	P s10	P s11					
TERMINAL NO.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
ELECTRODE	P s12	NP	NP	NP	NP	NP	NP	NP	P a11	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
TERMINAL NO.							36	37	38	39	40	41	42	43	44	45	46	47	48	49
ELECTRODE							12G	13G	14G	P s13	P s14	P s15	P s16	P s17	P s18	P s19	NP	F2	F2	F2

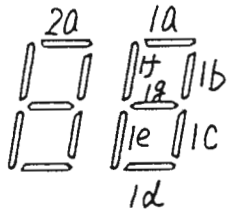
Notes F: Filament NP: No Pin
G: Grid
P: Anode

(3) Anode Designation

	1G	2G	3G	4G	5G
S1	DAILY	TUNED		B18	CH
S2	ONCE	AUTO	①	B17	dB
S3		PROGRAM	②	B16	1a
S4	CD	RANDOM	③	B15	1b
S5	REC (ONCE)	S5	④	B14	1f
S6	FM	S6 (SOUND MODE)	⑤	B13	1g
S7	TAPE	S7(LIVE SURROUND)	⑥	B12	1c
S8	AM	REPEAT	⑦	B11	1e
S9	t1	CD	⑧	B10	1d
S10	t2	1	⑨	B9	2a
S11	t3	ACTIVE BASS EX	⑩	B8	2b
S12	t4	ALL	⑪	B7	2f
S13	t5	B	⑫	B6	2g
S14	t6	A	⑬	B5	2c
S15	t7	SIDE	⑭	B4	2e
S16	t8	S16)))	⑮	B3	2d
S17	t9	S17( )	⑯	B2	KHz
S18	t10	ECHO		B1	MHz
S19	TIME	STEREO		S19	3g
all	all				

	6G	7~8G	9G	10~13G	14G
S1	a	a	a	a	3A
S2	b	b	b	b	3B
S3	j	j	j	j	3C
S4	h	h	h	h	3D
S5	k	k	k	k	3E
S6	f	f	f	f	2A
S7	g	g	g	g	2B
S8	m	m	m	m	2C
S9	c	c	c	c	2D
S10	n	n	n	n	2E
S11	p	p	p	p	1A
S12	r	r	r	r	1B
S13	e	e	e	e	1D
S14	d	d	d	d	1E
S15	SLEEP		t		s15
S16	DOLBY B NR				ON TIME
S17	=				OFF TIME
S18	( )				CLOCK
S19	MEMORY		s		1C
all					





Disassembly Procedures

(1) Top cover and heatsink cover removal
1. Remove 6 screws Ⓐon the rear side and 2 screws Ⓐ on both sides of the cover.
2. Remove the 2screws Ⓑ holding the heatshink cover
3. Remove the top cover and heatsink cover.

(2) Rear panel removal
1. Remove the top cover.
2. Remove the 2screws Ⓒ holding the CD changer mech. ass'y.
3. Remove the 10 screws Ⓑ.
4. Remove the rear panel.

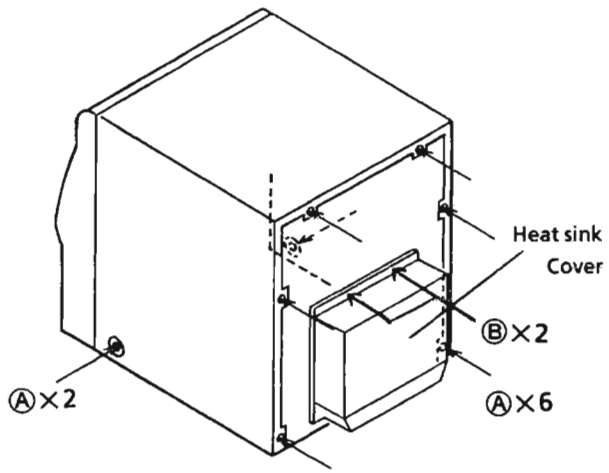


Fig1

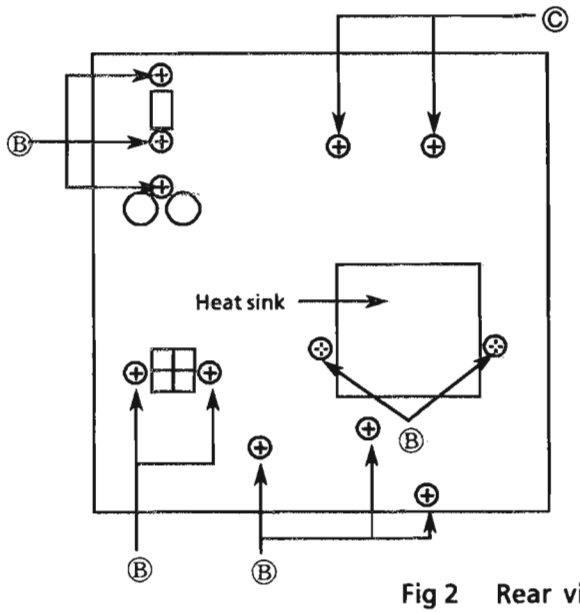


Fig 2 Rear view

(3) CD changer mech. removal
1. Remove the rear panel.
2. Diconnect the CN603,CN604,CN801.
3. Remove the 2 screws Ⓓ holding the CD changer mech..
4. Remove the CD changer mech. ass'y.

(4) Tuner & Audio PCB (FMC-002-1) removal
1. Remove the CD changer mech. ass'y.
2. Remove the plastics rivet and Remove the FMC-002-4.
3. Disconnect CN401(Flat wire) , CN514.
4. Disconnect CN513 and CN514.
5. Remove the Tuner & Audio PCB (FMC-002-1).

[Note]
Changer mech.ass,y needed connect the main PCB When servicing, so that the set can be movement.

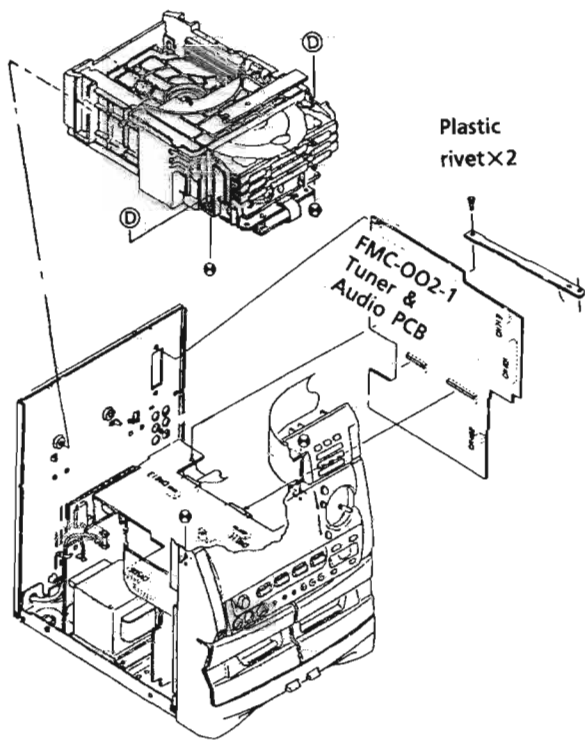


Fig 3 FRont view

Ⓐ .. SDSG3006M Ⓑ .... E73273-003 Ⓒ ... SBSF3008Z Ⓓ ... SBSG3008Z

(5) Deck & CD control PCB (FMH-005-1) removal
1. Remove the (1)(2)(3)(4).
2. Disconnect the CN901.
3. Remove the 3 screws Ⓔ holding the PCB and Remove the plastics rivet.
4. Raise up the PCB for disconnecting and you can remove the Deck & CD control PCB with the power AMP PCB.

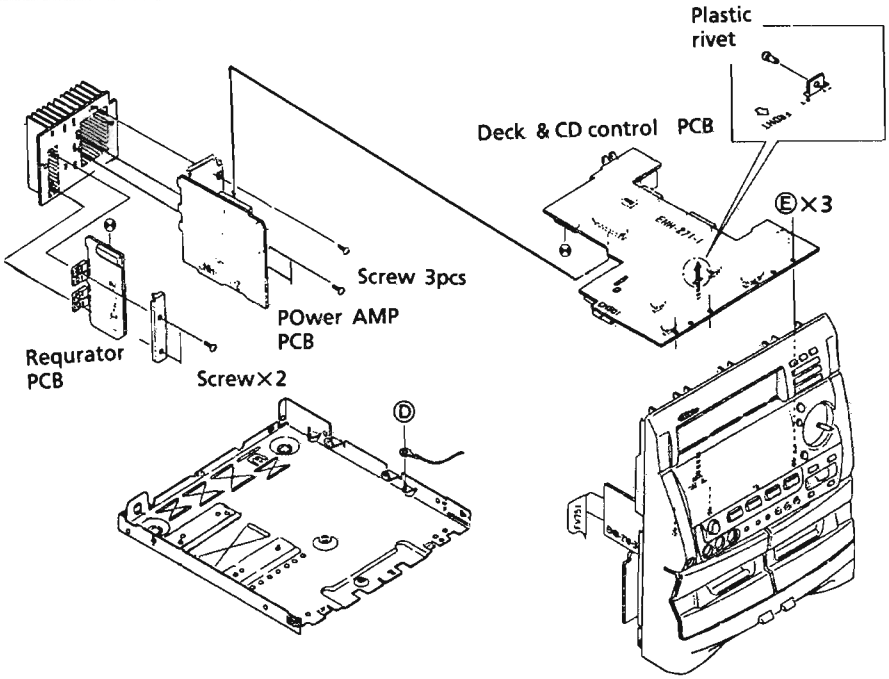


Fig 4

(6) Front PCB (FMB-006-1) removal.
1. Remove the (1)(2)(3)and(4) (5).
2. Remove the 3 Fook of the bottom side and both side and Remove the Front panel ass'y.
3. Remove the 15 screws Ⓕ holding the braket.
4. Remove the Braket and Front PCB.

(7) Switch PCB(FMB-006-2) removal.
1. Remove the (1)(2)(3)and (4)(5)(6).
2. Remove the 7 screws holding the PCB.
3. Remove the Switch PCB with the headphone PCB.

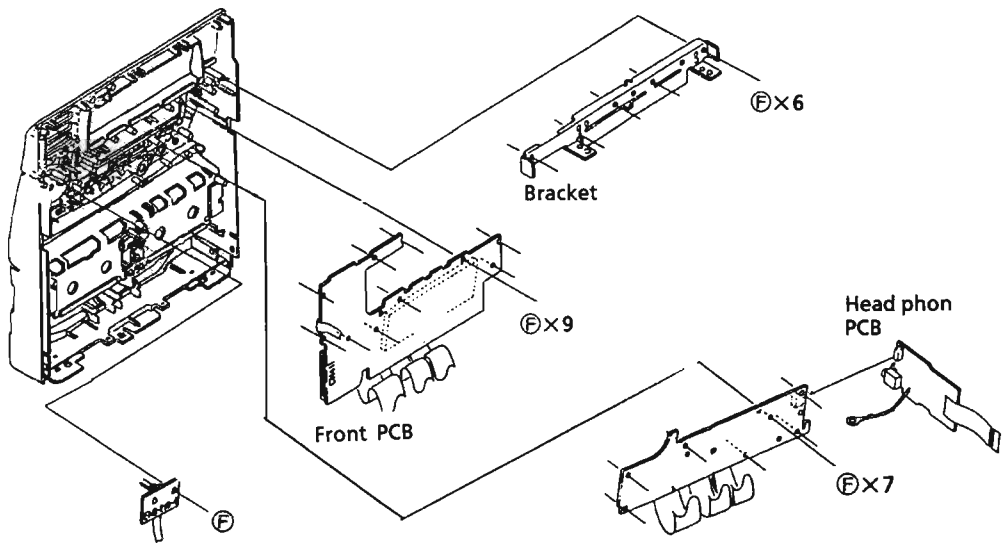


Fig 5

Ⓔ .. SPST2604Z Ⓕ ... CDSF2608Z

(8) Cassette mechanism with the PCB (FMC-002-3) removal
1. Remove the (1)(2)(3)and (4)(5).
2. Remove the 4screws Ⓖ and 4screws Ⓗ.
3. Remove the Cassette mechanism.

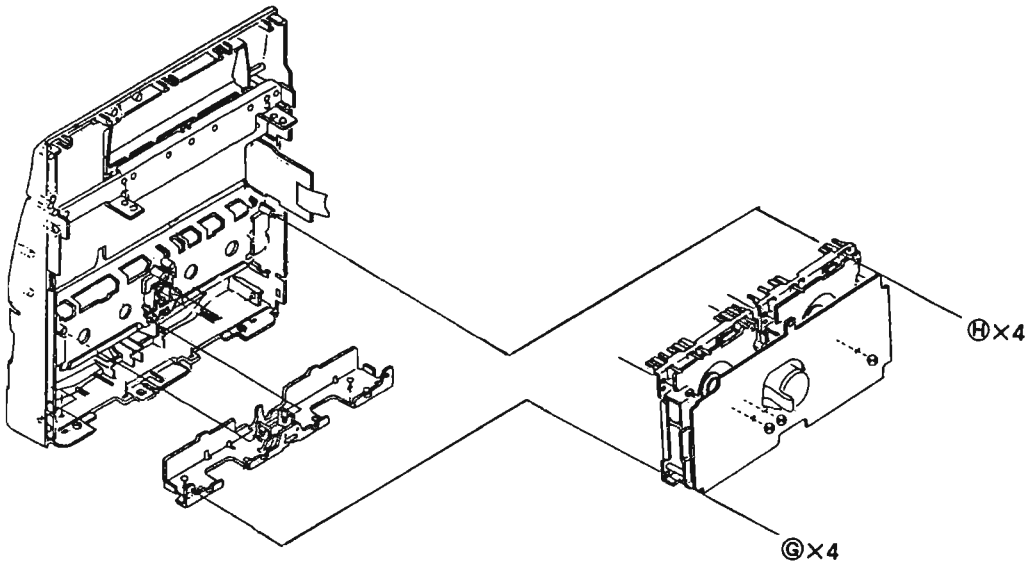
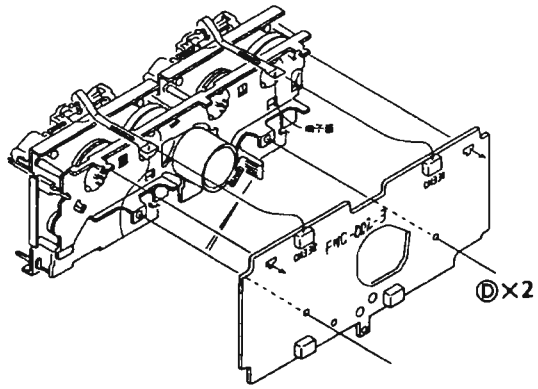


Fig 6

(9) Cassette deck PCB (FMC-002-3) removal
1. Remove the (1),(2),(3)and (4),(5),(8).
2. Disconnect the CN331 and CN332.
3. Remove the 2 screws Ⓓ holding the PCB.
4. Remove the Cassette deck PCB .



Cassette deck PCB

Fig 7

(10) Cassette door lock plate removal
1. Remove the (1)(2)(3)and (4),(5),(8) .
2. Remove the spring.
3. Push up the Elever as shown in the figure below(Fig . 8) and remove the door lock plate.

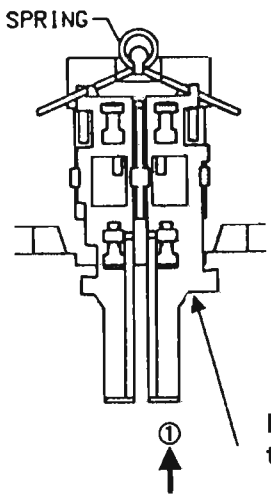


Fig 8

Ⓓ .. SBSG3008Z Ⓖ ... SBST3006Z Ⓗ ... SBSF3008Z

(15) Damper removal

1. Remove the cassette mechanism.
2. Remove the spring holding the cassette holder.
3. Press the tab which secures the damper to remove the damper.(See the arrow shown in the figure below)

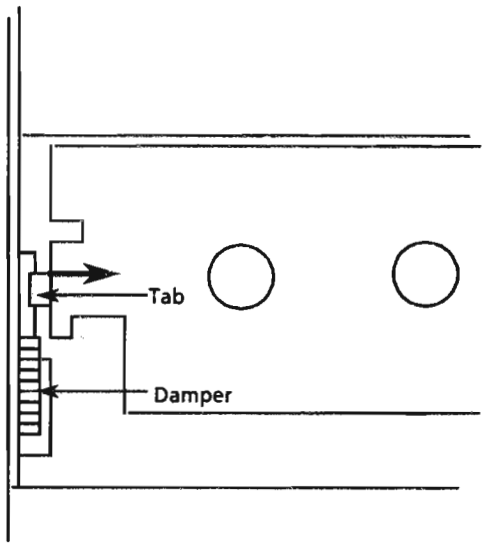


Fig 9

(16) Cassette holder removal

1. Remove the Cassette mechanism assembly.
2. Remove the spring holding the cassette holder.
3. Remove the Cassette holder .

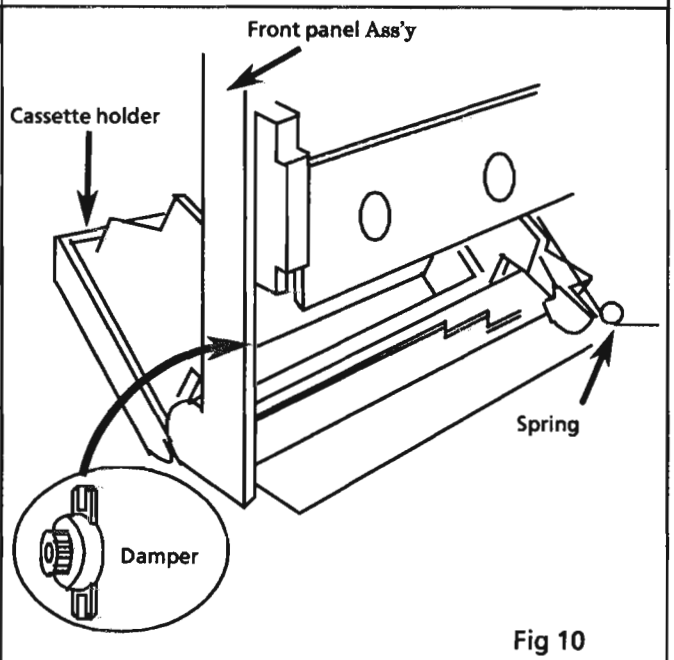


Fig 10

Cassette Mech. Ass'y removal

(13) Head assembly removal
1. Remove the Cassette mech. ass'y .
2. Remove the Flexible wire from the cassette deck and remove the 3 screws ⓘ holding the head Ass`y.

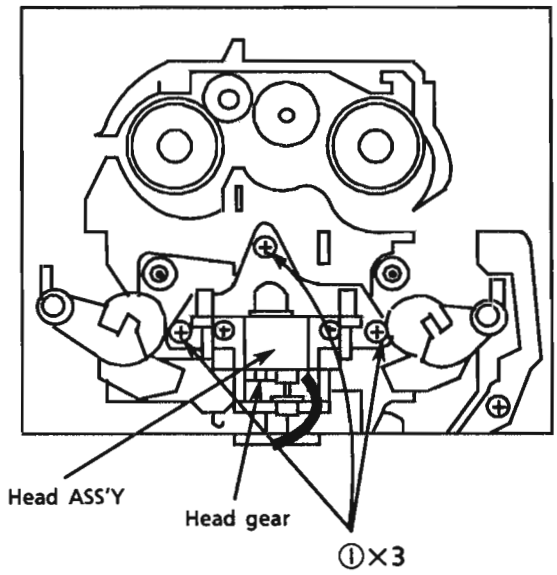


Fig11 Cassettem mech. bottom view

(14) Head assembly
1. The direction of the head is changed with the direction lever .When servicing ,install the direction lever according to the direction of the head assembly .

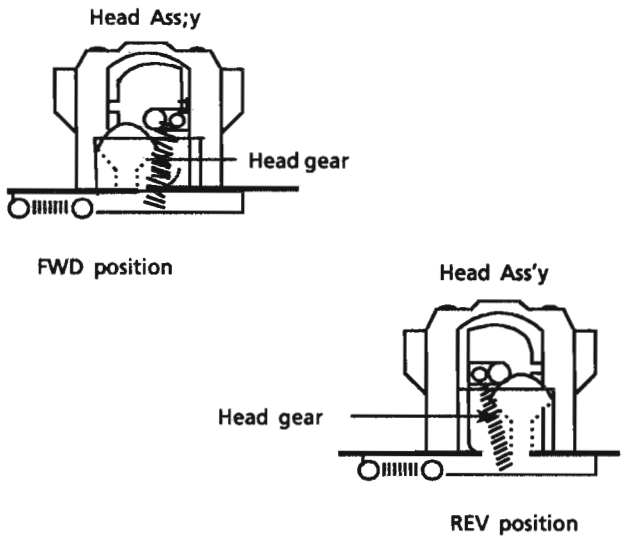


Fig .12-A Head Ass'y side view

(15)Pinch roller(FWD/REV) removal
1. Remove the cassette mech. assembly.
2. Remove the hook holding the pinch roller.
3. Remove the pinch roller ass'y.

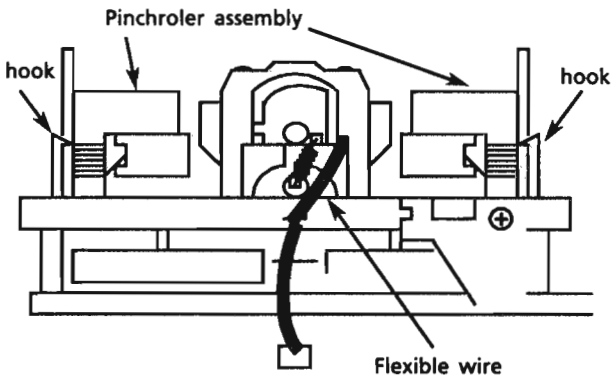


Fig 13 Cassette mechanism bottom view

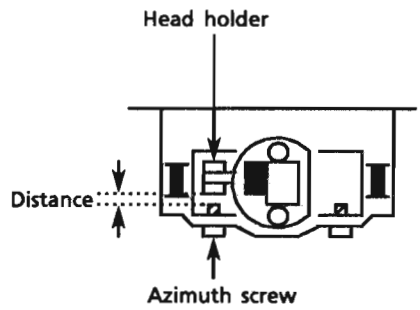


Fig.12-B A distance of between head older and azimuth screw

ⓘ .. SDSF2608Z

(16) Capstan motor removal.

1. Remove the cassette mechanism.
2. Remove the cassette deck control PCB.
3. Remove the 6 screws Ⓙ holding the bracket.
4. Remove the hooks (■) of the bracket.
5. Put the cutting on the flywheel A together the bracket's pawl as shown in Fig. 16(Flywheel A) and check that the flywheel B is removed from the bracket's pawl(Fig. 16-Flywheel B).
6. Remove the capstan motor with the bracket.
7. Unsolder the broken flat wire of the capstan motor.
8. Remove the 2 screws fixing the motor and the bracket.

* To remove the bracket, it is easier to remove mech."B" first.
Vice versa, assembling mech."A" is easier for reassembly.

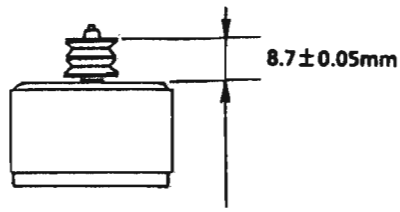


Fig 14 Capstan motor pully installation

(17) Flywheel removal

1. Remove the cassette mechanism assembly.
2. Remove the cassette amp PCB.
3. Remove the 6 screws Ⓙ and the bracket.
4. Remove the 4 hooks of the bracket.
5. Remove the bracket.
6. Remove the flywheels.

*The oil on the capstan must be wiped out after re-assembling.

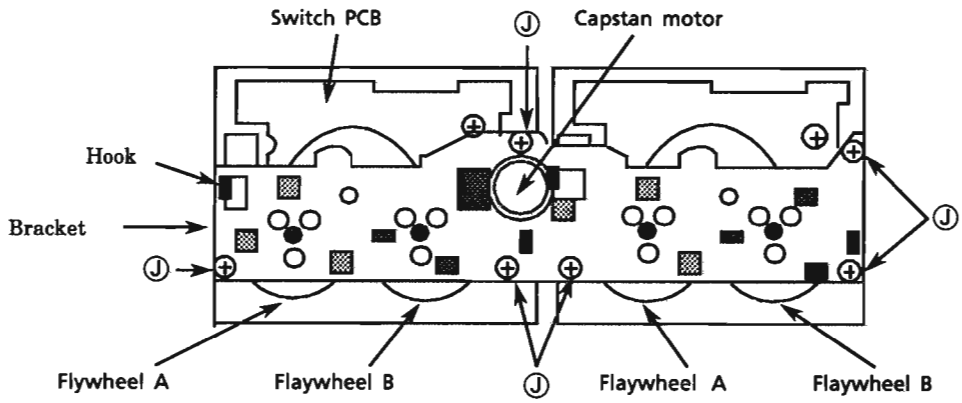


Fig. 15 Cassette mech. bottom view

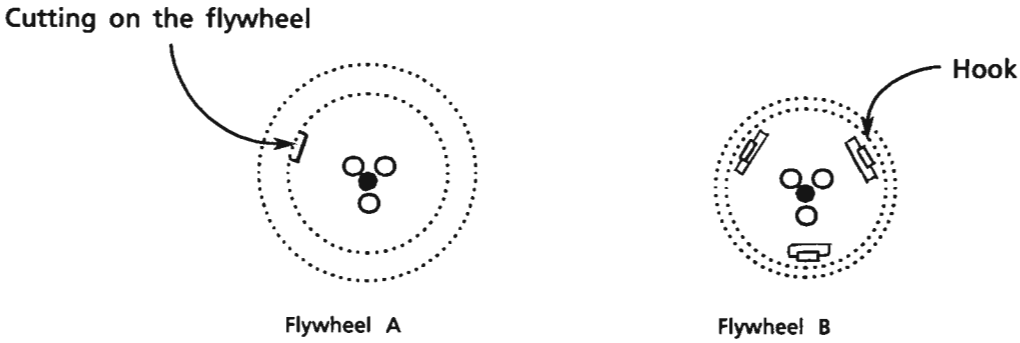


Fig 16 Hook and Cutting on the flywheel

Ⓙ .. SDSF2608Z

(18) How to install the belts

1. Install the flywheels and belts as shown in the figure below. (Fig 17)
   When putting the belts, put the long belt first.
2. Install the main reels to put the belts on the flywheels.

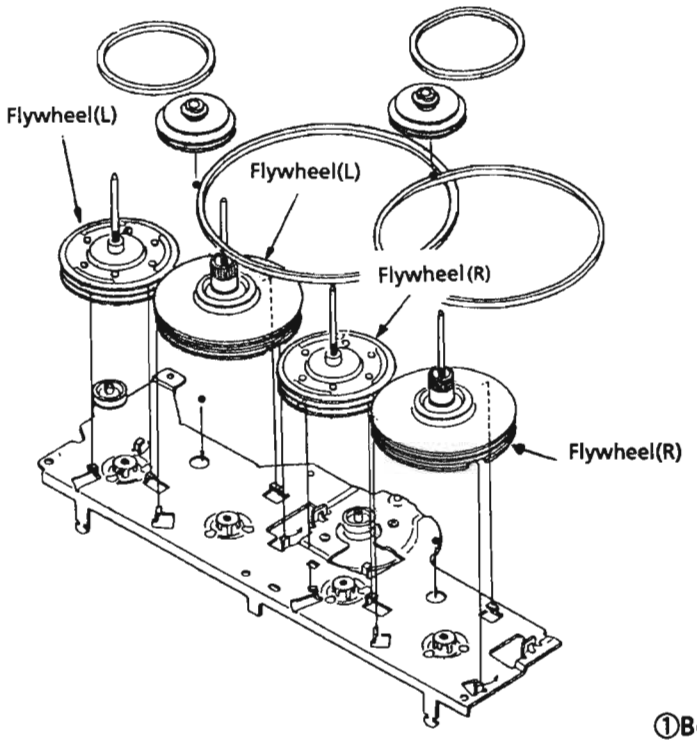


Fig 17-A Install the Braket and flywheels

REEL BELTS

After hooking reel belts, no twist.

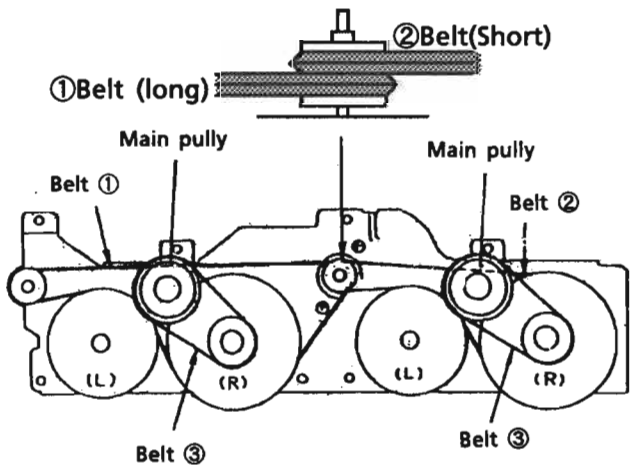


Fig 17-B Install the Belts

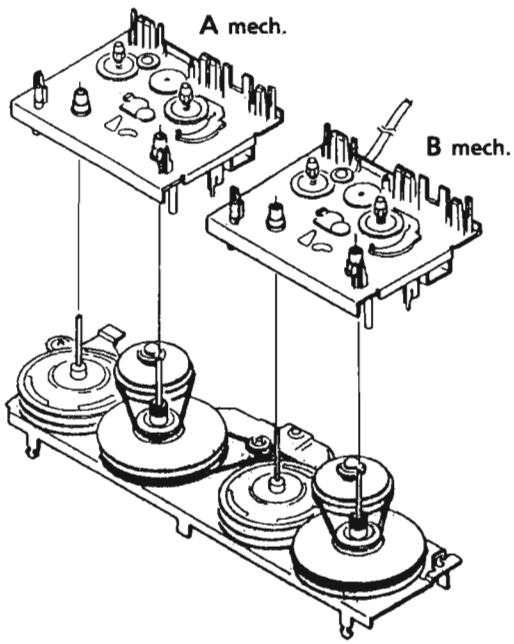


Fig 17-C Insdtall the cassette emch.

(19) Switch PCB removal

1. Remove the flywheel.
2. Remove the 1 screw Ⓚ.
3. Unsolder the broken solenoid.
4. Release the 4 hooks holding the Switch PCB.
5. Remove it.

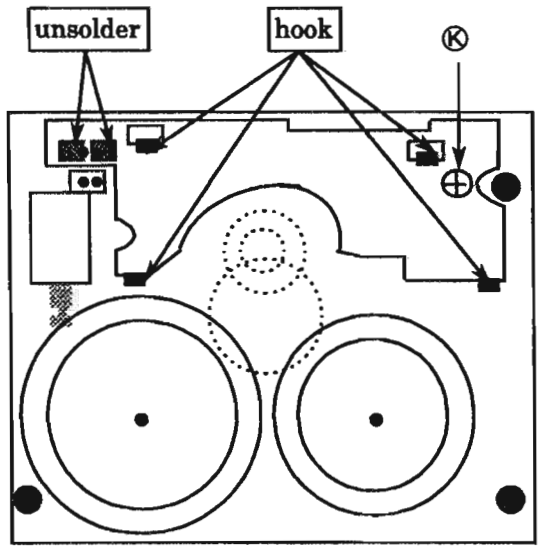


Fig 18 Cassette mech. bottom view

(20) How to install the cassette mechanism

Install the parts as shown in the Fig.19 .

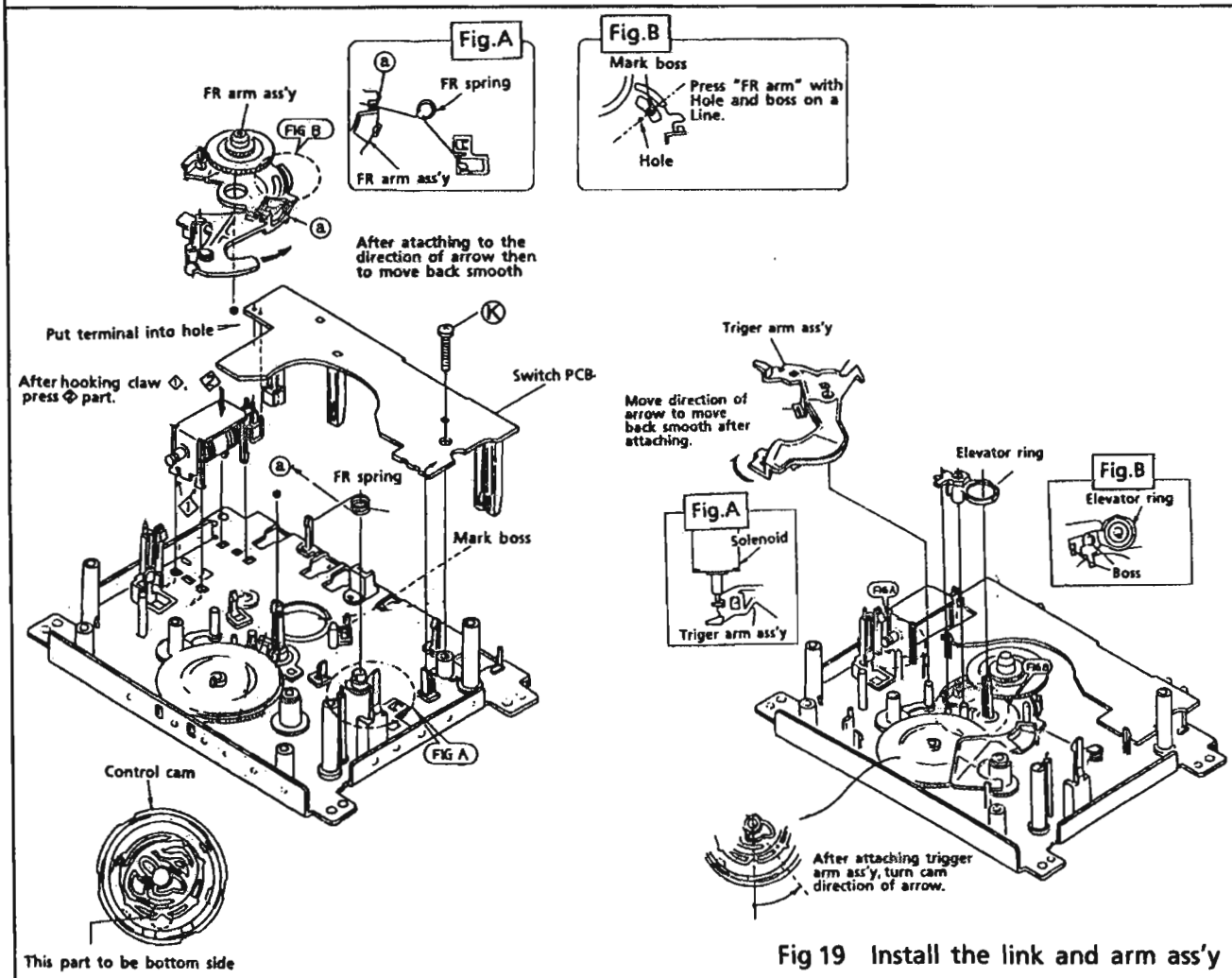


Fig 19 Install the link and arm ass'y

Ⓚ .. SDST2612Z

CD changer mech. Ass,y removal

(21) CD Tray assembly removal

1. Disassemble the changer mech..
2. Remove the screw Ⓛ holding the stopper blacket.(See Fig.20) ---- (U.S.A and CANADA only)
3. Remove the rod from both ends' hooks which are secured on T.Bracket ⓐ and clamper baseⓑ. [See Fig. 20)
4. Remove 3 screwsⓁ securing T.Bracket.(See Fig. 22.)
5. Remove a screw Ⓝsecuring center of the clamperass'y. (See Fig. 21)
6. Remove the clamper ass'y from ★ screw fixing side.
7. Remove a screw Ⓛwhich secures the return spring and lock levers from the chassis ass'y.(See Fig. 23.)
8. Remove 2 pawlsⓓ which slightly secure the return spring to remove it.
9. Remove 3 lock levers.
10. Check that the lifter unit stopper is inserted into hole ⓔ located on CD tray ass'y. (See Fig. 24.)
11. Check that the driver unit elevator is seen from a hole (marked ⑤) on left side of the CD changer mech..(See Fig. 25 and 26.)
    [NOTE] Set the elevator in correct position (Fig. 26) by rotating the pulley gear with finger if it is not positioned correctly (Fig. 27.).
12. Rotate the motor pulley clockwise with finger until the lifter unit's stopper is lowered from ⓔhole located on the CD tray ass'y. (See Fig. 27.)
13. And, pull all 3 CD tray assemblies forward until they stop. (See Fig. 25.)
14. Press 2 pawls(f, f') located rear side of the CD tray ass'y according to an arrowⓗ to remove the CD tray ass'y. (See Fig. 28.)
    At first, removing the lowest tray is easier.

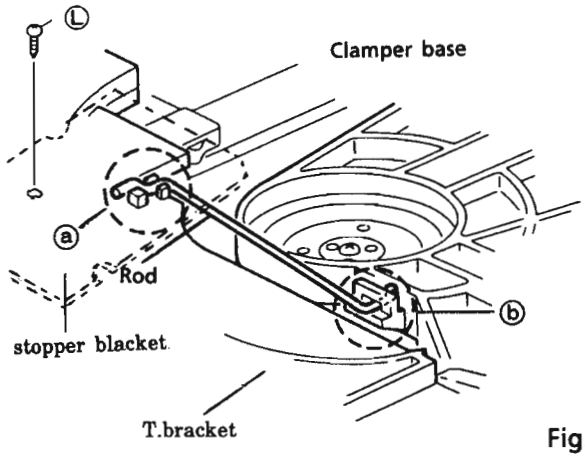


Fig. 20

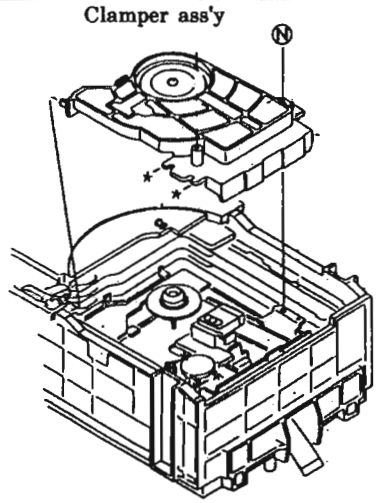


Fig.21

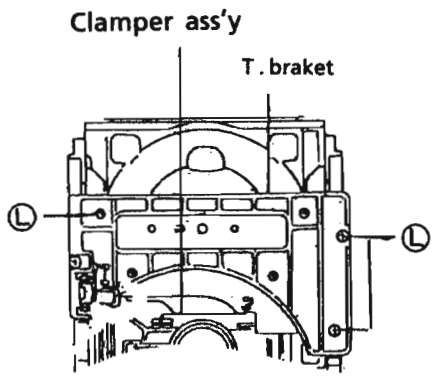


Fig.22

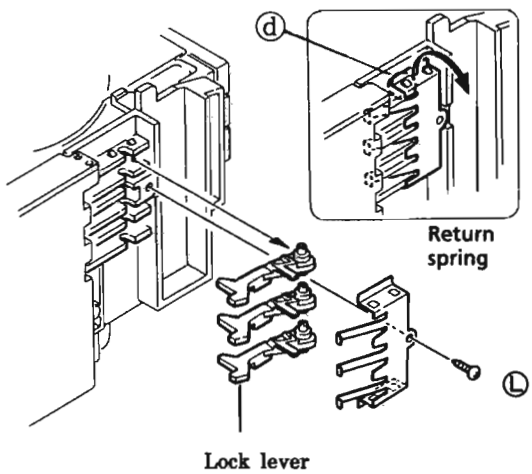


Fig.23

Ⓛ .. SBSF2608Z Ⓝ ... SPST2606Z

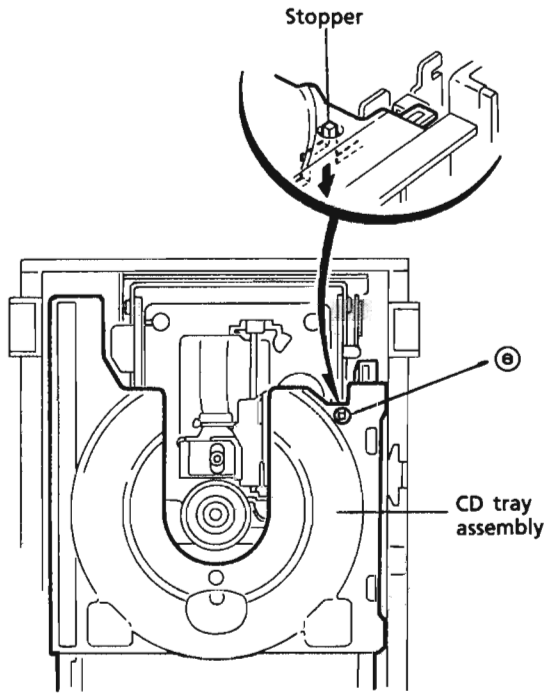


Fig. 24

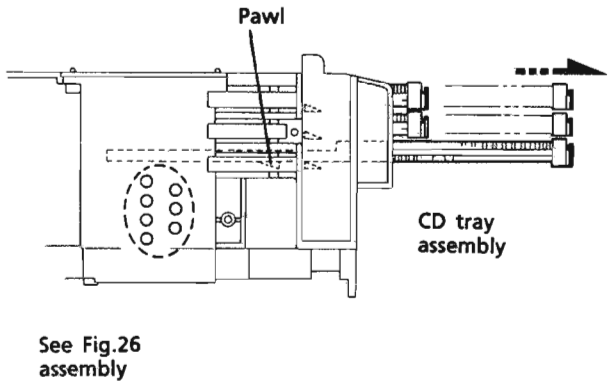


Fig. 25

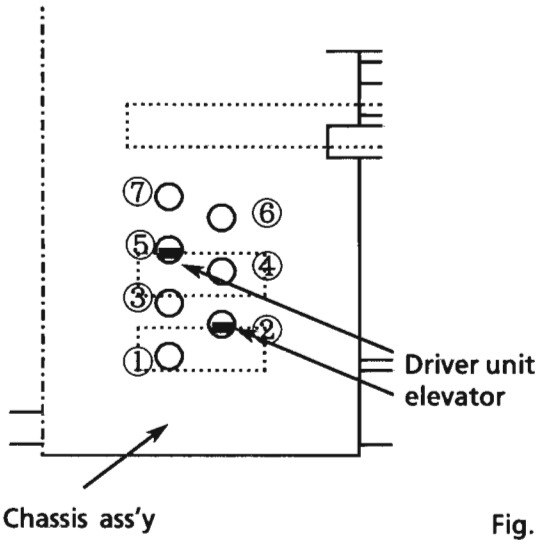


Fig. 26

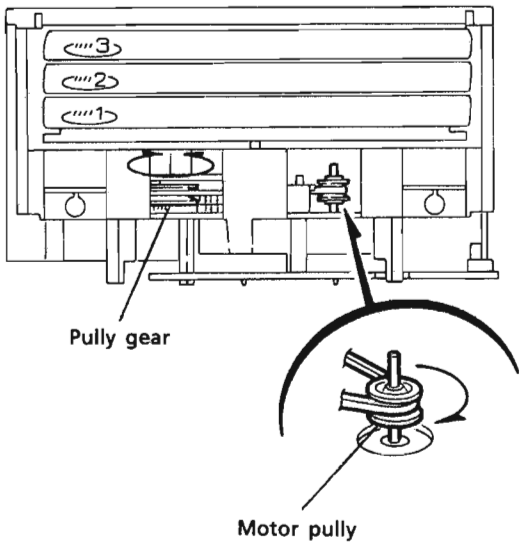


Fig. 27

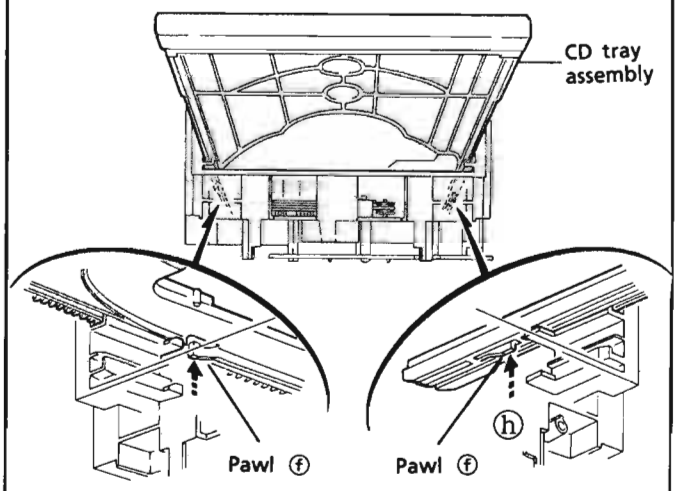


Fig. 28

Ⓛ .. SBSF2608Z

(22) CD mechanism removal

1. Remove the CD tray ass,y .
2. Rotate the Cam R1, R2 ass'y counterclockwise so that CD mech. ass'y's shaft ⓗ is positioned as shown in Fig. 29.
3. Remove 4 screws Ⓛ securing CD mech. ass'y. (See Fig. 29.)

*How to replace pick-up unit

1. If CD mech. is removed without disassembling CD mech. ass'y, rotate the Cam R1, R2 ass'y clockwise to set the CD mech. ass'y's shaft(L) as shown in Fig. 30.
2. Lift the CD mech. ass'y toward the direction ⓘ to remove it from the lifter unit. (See Fig. 31.)

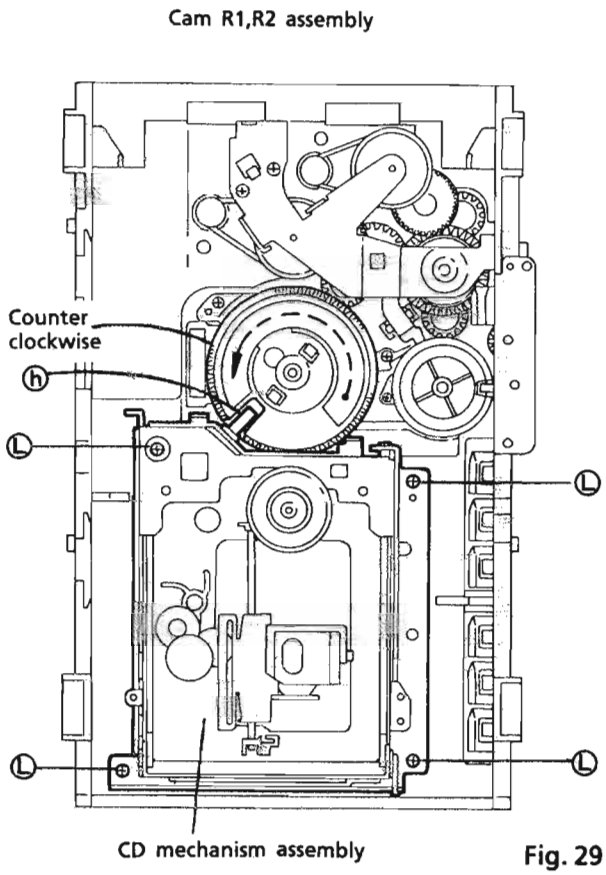


Fig. 29

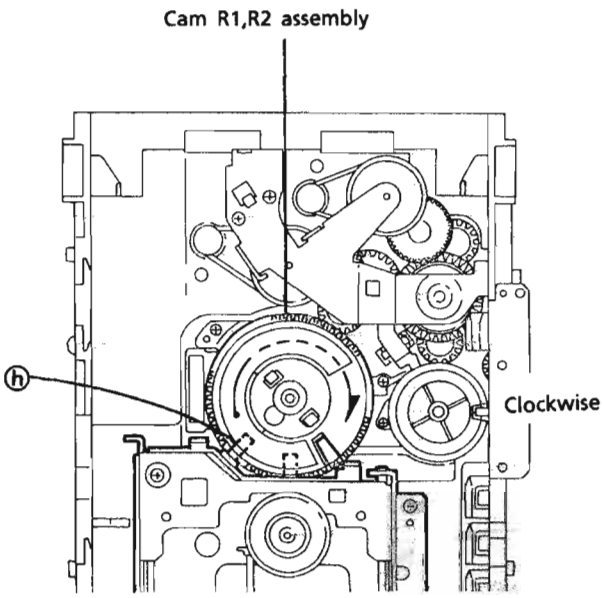


Fig. 30

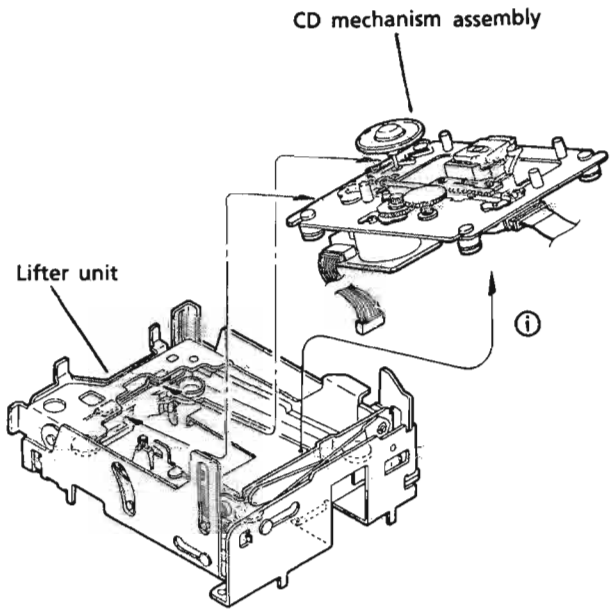


Fig. 31

Ⓛ .. SBSF2608Z

(23) Actuator motor board removal

1. Unsolder 4 soldered point ⓙ for both motors. (See Fig. 32.)
2. Remove a screw Ⓗ securing the CD servo board. (See Fig. 32.)
3. Press the hook and release it to remove the CD servo board.
4. Remove 2 screws Ⓕsecuring the actuator motor board. (See Fig. 32.)
5. Remove 2 screws Ⓛsecuring the tray select switch board. (See Fig. 33.)

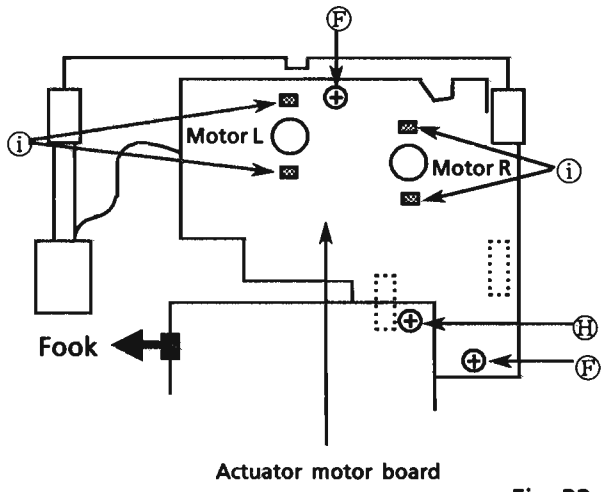


Fig. 32

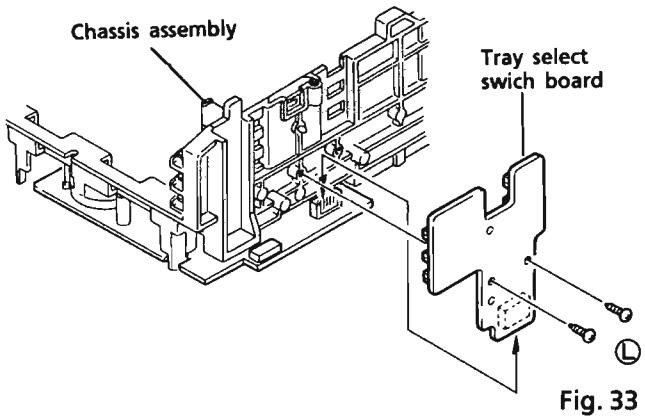


Fig. 33

(24) Cam unit removal

1. Disassemble CD mech. ass'y.
2. Rotate the Cam gear L so that the drive unit's pawl ⓚ is positioned as shown in Fig. 34.
3. Remove the drive unit and cylinder gear. (See Fig.35.)
4. Rotate the Cam gear L so that the select gear's ⓘ is positioned as shown in Fig.36.
5. Remove 4 screws Ⓕ securing the cam unit which includes the cam gear L and Cam R1, R2 ass'y. (See Fig 36.)

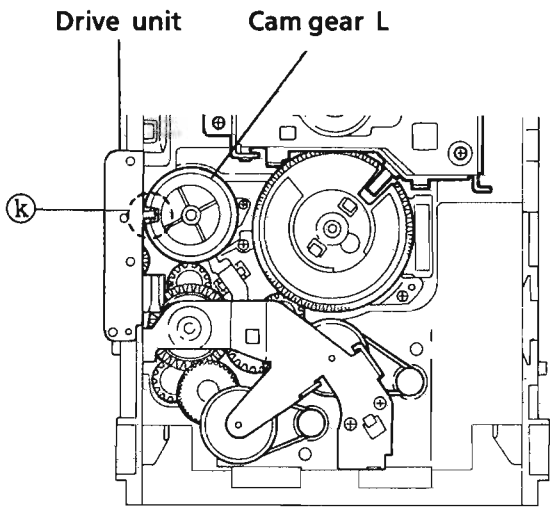


Fig. 34

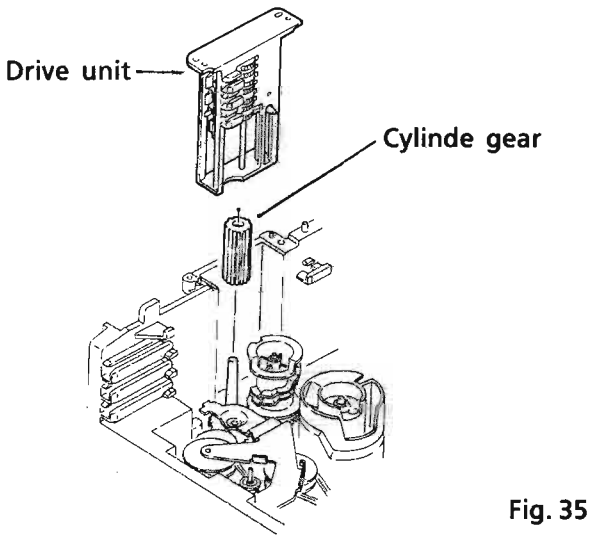


Fig. 35

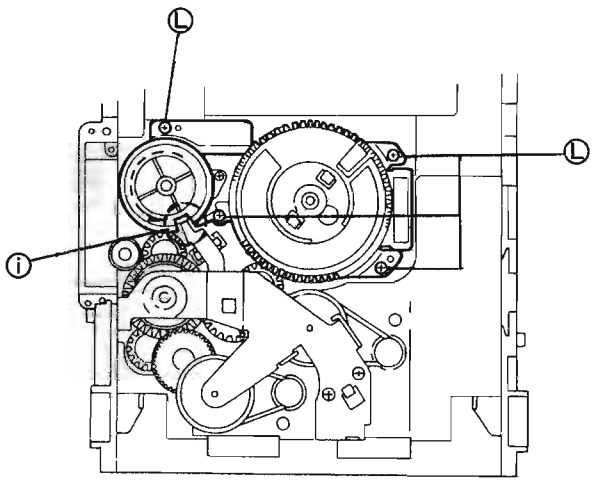


Fig. 36

Ⓕ .. SBSF2608Z Ⓗ ... SBSF3008Z

(25) Removal for actuator motor and belt

1. Remove 2 screws Ⓟ securing the gear bracket. (See Fig. 37.)
2. Press the pawl Ⓜ securing the gear bracket to the arrow in the figure to remove the gear bracket. (See Fig. 37.)
3. Remove the gear bracket from the chassis ass'y's ⓝ securing top of the gear bracket. (See Fig. 38.)
4. Remove each belts from the both actuator motor pulleies and the pulley gears. (See Fig.37.)
5. Reverse the chassis ass'y and widen 4 pawls ⓞ which secure both actuator motors to its arrows to remove the actuator motors. (See Fig.39 .)

[NOTE] The pulley gears and other gears which consist the gear unit may drop separately if the chassis ass'y is reversed without gear bracket and belt. See Fig. 40 to assemble them again.

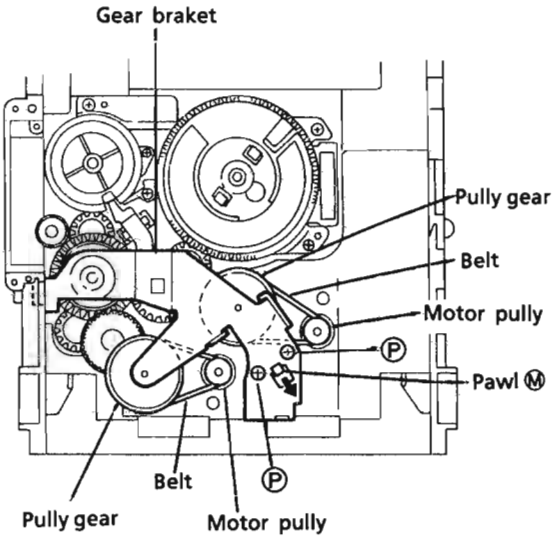


Fig. 37

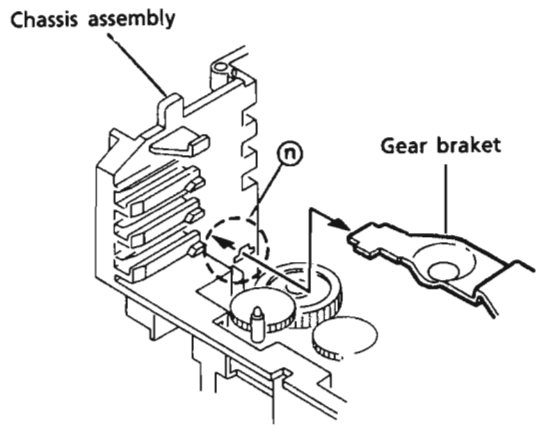


Fig. 38

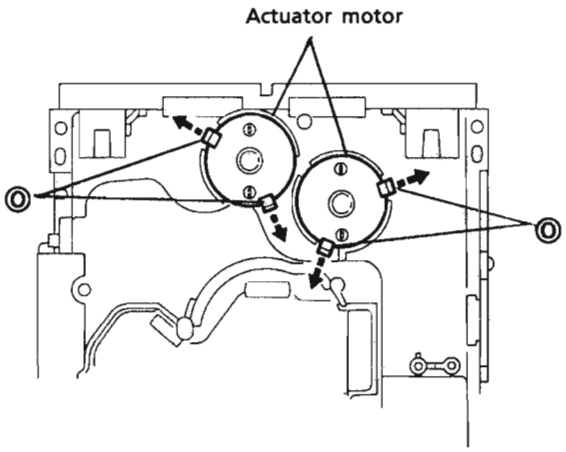


Fig. 39

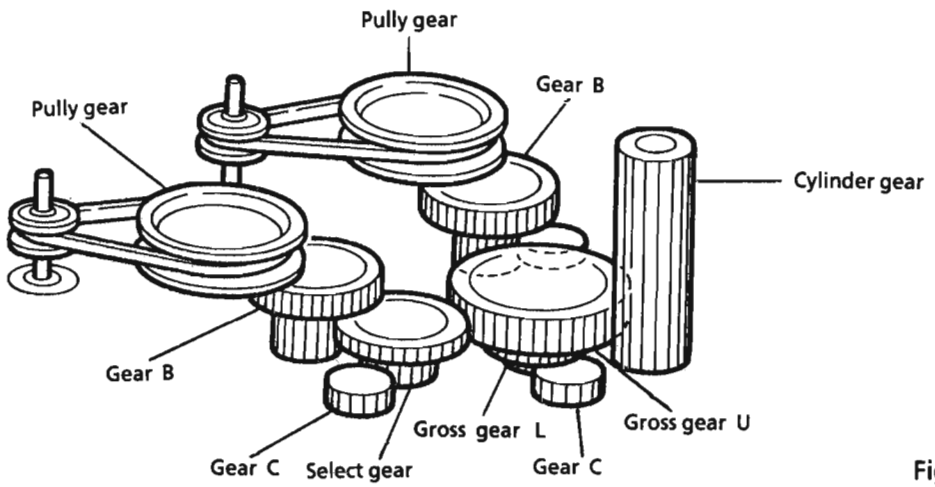


Fig. 40

Ⓟ .. DPSP2616Z

(26) Removal of cam R1, R2 ass'y and cam gear L

1. Remove the slit washer securing Cam R1, R2 ass'y.
   (See Fig. 41.)
2. Remove 2 pawls Ⓠ securing Cam R1 to remove Cam R2 from Cam R1.
3. Remove the slit washer securing Cam gear L.
4. Remove Cam gear L from the C.G. base ass'y.

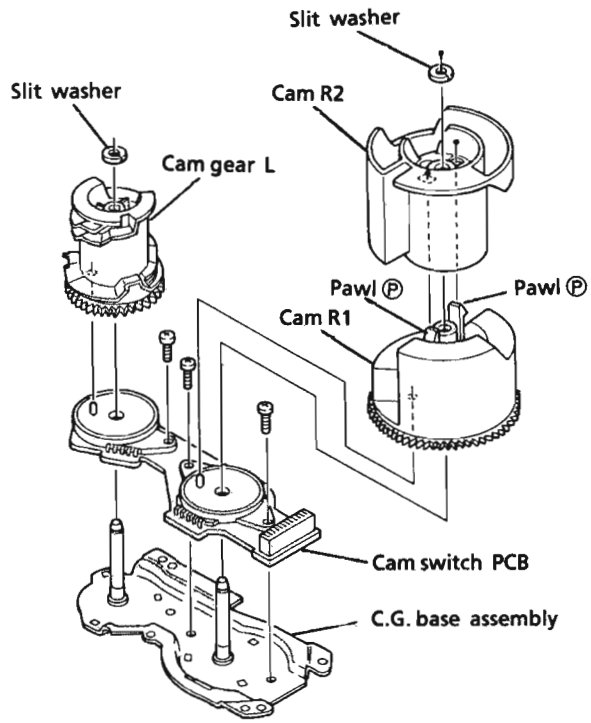


Fig. 41

(27) Removal of C.G base ass'y

Remove 3 screws Ⓠ securing the C.G. base ass'y. (See Fig. 41 and 42.)

[NOTE] Set the drive unit's pawl Ⓡ so that it is positioned as shown in Fig. 42.
Confirm that the cam gear L engages with the gear unit by rotating the cam gear L.

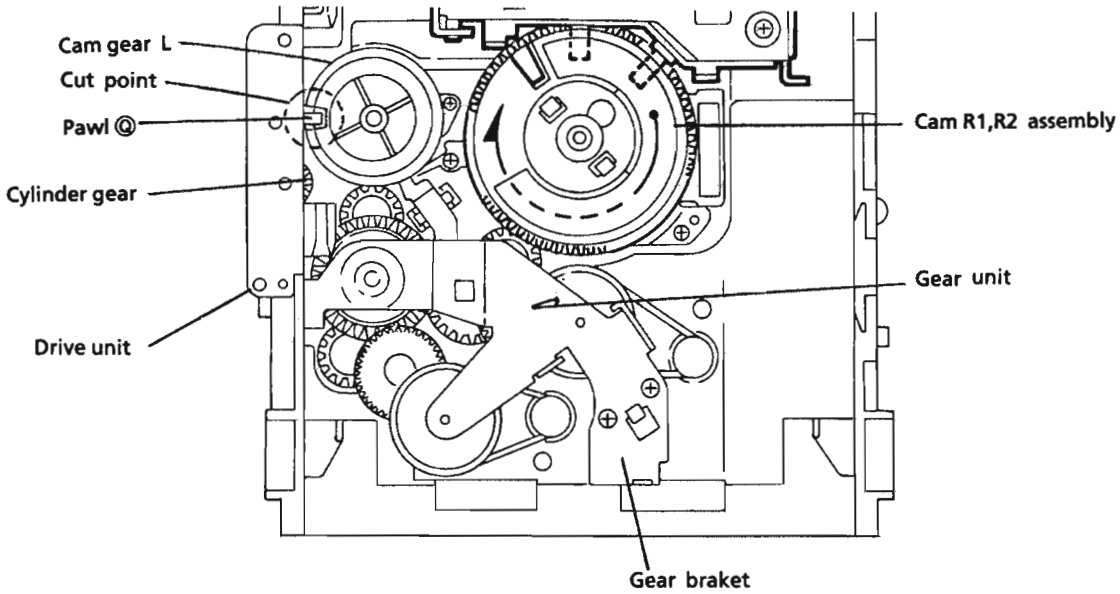


Fig. 42

Ⓠ .. SPST2606Z

(28) Removing the Pickup
1. Remove the CD mech. assembly.
2. Release the shaft to remove the pickup.

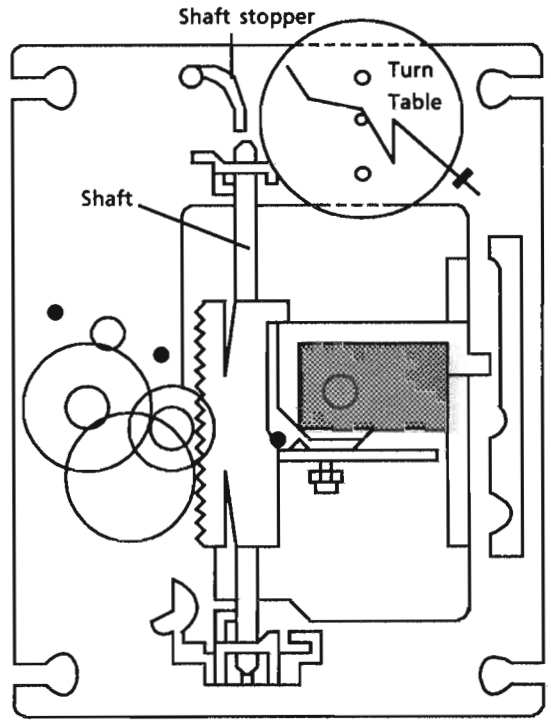


Fig. 43

(29) Spindle motor installation
1. Tighten the 2 screws to the same torque.
2. Fasten the spindle and feed motor P.C. board with the screw and solder.
3. Install the turntable.When installing, press straight down at the center of the turntable until the distance from the surface of the mech. base to the turntable is exactly 19.4±0.1mm.

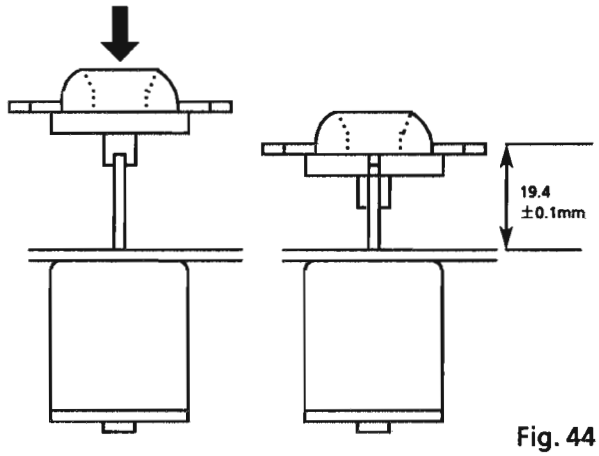


Fig. 44

(30) Removing the Spindle motor
1. Remove the CD mech. assembly.
2. Remove the turntable, and remove the 2 screws ⊗ retaining the spindle motor.
3. Remove the screw retaining the spindle and feed motor circuit board and unsolder it.

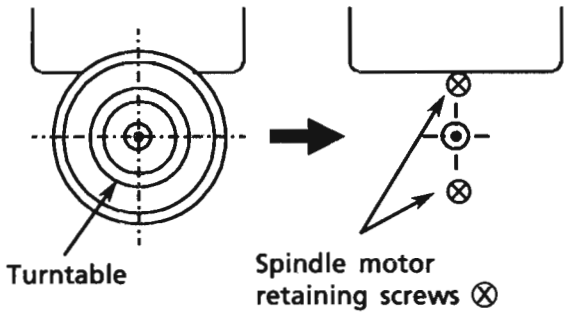


Fig. 45

(31) After inserting the turntable, bond the motor shaft and turntable together (at the section marked by an arrow in fig 46 on the left below).

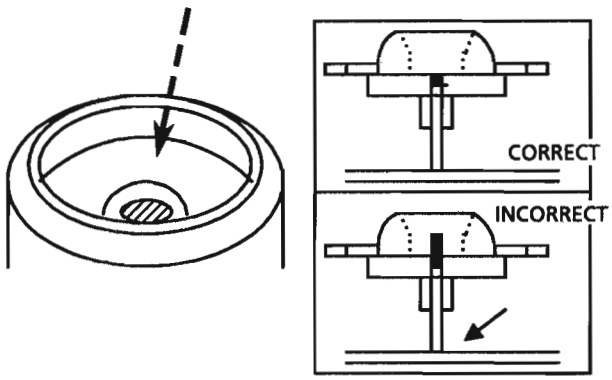


Fig. 46

(32) Use "LOCKTITE" #460 bonding agent, and apply as little as possible.

Take care not to allow any excess bonding agent to get onto the turntable.

Be extremely careful not to allow bonding agent to adhere to the motor bearing (the section marked by an allow in fig 46 on the right).

⊗ .. SDSP2003N

Adjustment procedures

■ Tuner section

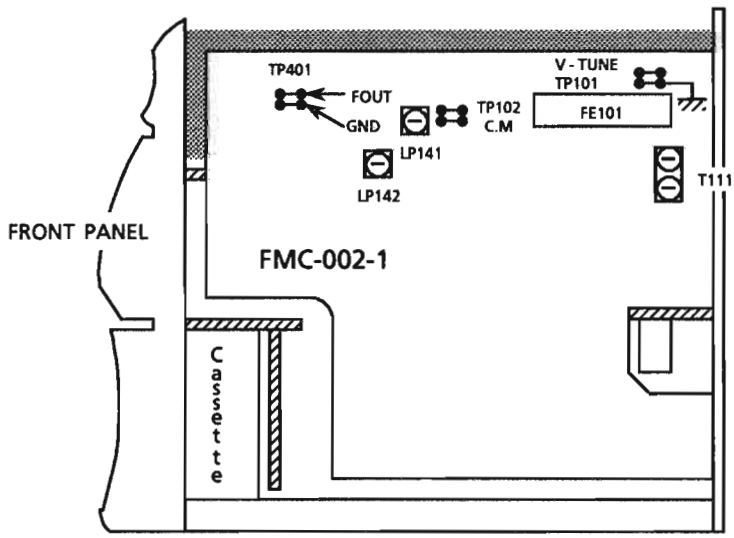
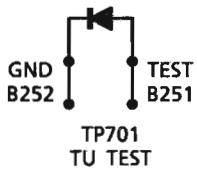


Fig.1

Clock Adjustment

1. After connecting B251 and B252 with some wire as shown in the figure below, connect the AC power cord into an AC outlet.
2. Confirm that the display is off and remove the wire.
3. Connect a frequency counter to TP401 B178 and B179.
4. Confirm the frequency 50000±0.29Hz.



FMB-006-1(Front PCB)

(1) Tuning voltage

Confirm the voltages at TP101 is within the standard values shown in the table below. If the voltages are not satisfied, replace T111 for MW and for LW or FE101 for FM.

FM Tuning voltage (Unit : V)

Area	Frequency			
	64.0MHz	74.0MHz	87.5MHz	108MHz
East Europe	1.8±1.0 (V)	1.8±1.0 (V)	9~10.5(V)	9~10.5(V)
the U.K., Continental Europe, U.S.A., Canada, Australia, Universal	—	—	1.6±1.0 (V)	8.0±2.0 (V)

AM Tuning voltage (Unit : V)

Area	Frequency (MW)							Frequency (LW)	
	522KHz	530KHz	531KHz	1600KHz	1602KHz	1629KHz	1710KHz	144kHz	288kHz
BS,EF,EN,G,GI,VX	>0.7	—	—	—	—	<8.3	—	0.5<	>7.5
C,J	—	>0.8	—	—	—	—	<8.8	—	—
U,UT,UB,UP,US(Channel Space 9kHz)	—	—	>0.8	—	<7.9	—	—	—	—
Universal(Channel Space 10kHz)	—	>0.8	—	<7.9	—	—	—	—	—
A	>0.7	—	—	—	—	<8.3	—	—	—

(2) FM center meter

Receive a broadcast which understanding the frequency by using the function of 'MANUAL SEARCH'. Adjust T105 (detector coil) so that the voltage at TP102 becomes 0±1.5mV.

The Marks for Designated Areas

J	the U.S.A.	A	Australia	C	Canada	VX	East Europe
G	Germany	U	Universal	US	Singapore	UT	Taiwan
EF	Continental Europe	EN	Scandinavia	GI	Italy	BS	the U.K.
UB	Hong Kong	UP	Korea	No mark indicates all area.			

■ Deck Adjiust point

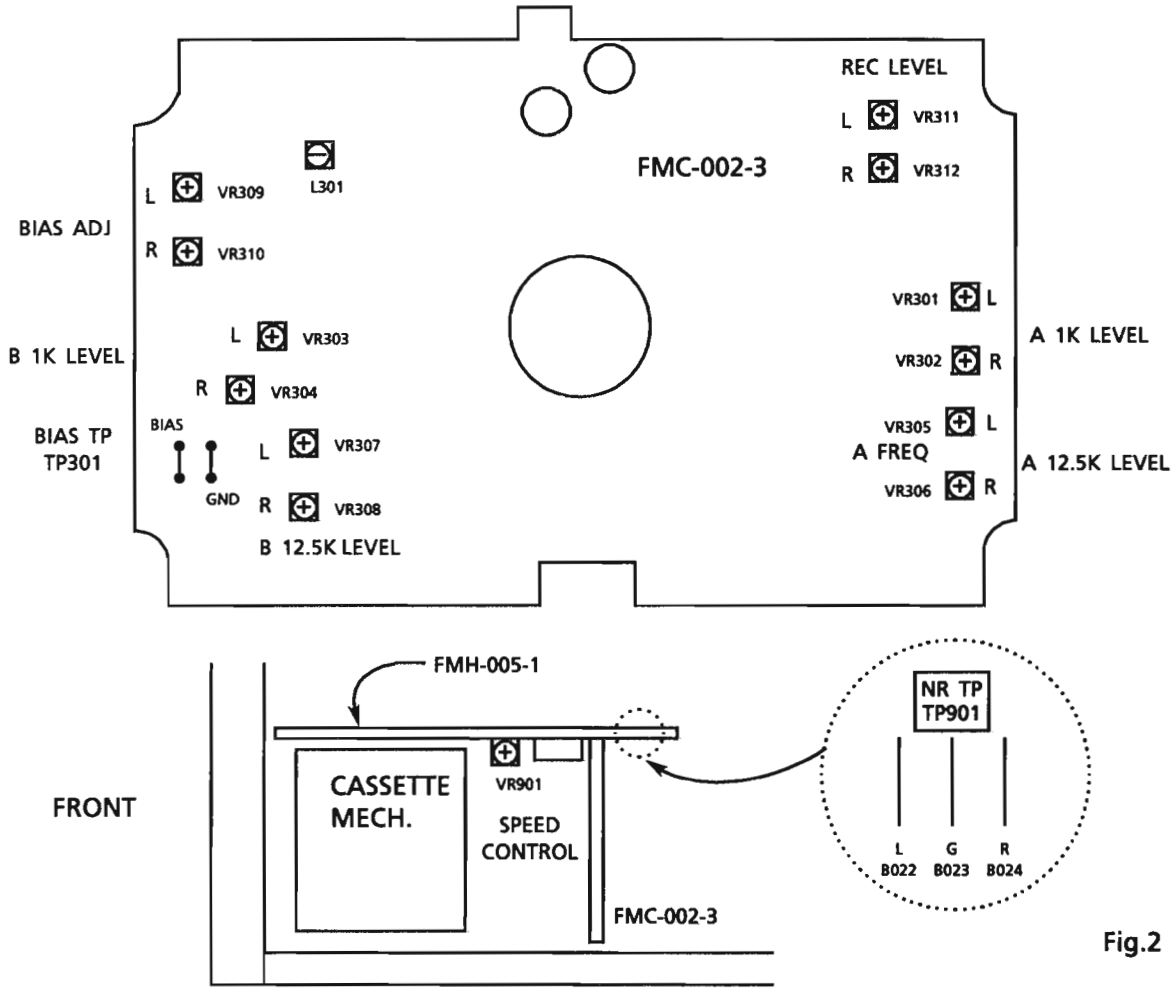


Fig.2

Deck section

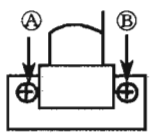
1. Measuring instruments

Audio frequency signal generator (0dbs output at the 600 ohm output terminal from 50Hz to 20KHz)
Electronic voltmeter
Frequency counter
Wow & Flutter meter
Distortion Meter with band pass filter
Attenuator (600 ohm impedance)
A resistor with 600Ω

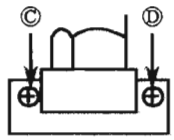
Tape No.	Frequency	Level (Wow & Flutter)	Purpose
VTT-703L	10kHz	−10dBs	Head azimuth , Frequency Response
VTT-712	3000Hz	0dBs 0.025%WRMS	Tape Speed , Wow & Flutter
VTT-724	1kHz	−4dBs	Standard Level
TMT-6447	—	—	Blank Skip
TMT-6247 , TMT-6237	—	—	Music Scan
TMT-7088S	—	—	Recording standard Normal : UR
AC-712	—	—	Recording standard METAL :MA
AC-513	—	—	Recording standard CrO_2 : SA
TW-2111, TW-2121	—	—	Forward / reverse play torque measuring
TW-2231	—	—	Feed forward / rewind torque measuring
C-120 Tape	—	—	Comfirming the tape running

Adjustment and repairing the mechanism

Item	Adjustment method	Standard value	Remarks
Head azimuth	Deck A 1. Connect an electronic voltmeter to the NR TP901(figure 1) to playback VTT-703L. 2. Adjust screw Ⓐ so that the indication of the voltmeter becomes maximum when PLAY (▶) is pressed. 3. Adjust screw Ⓑ so that the indication of the voltmeter becomes maximum when PLAY (◀) is pressed. Deck B 4. Adjust screw Ⓒ so that the indication of the voltmeter becomes maximum when PLAY (▶) is pressed. 5. Adjust screw Ⓓ so that the indication of the voltmeter becomes maximum when PLAY (◀) is pressed. 6. After making the adjustment,apply screw lock to prevent screws Ⓐ, Ⓑ, Ⓒ and Ⓓ coming loose.	Maximum	1. **Refer to figure 3.** 2. When the specified characteristic cannot be obtained because of head wear, excessive magnetization, etc., replace the head assembly and adjust the head azimuth. Also, perform the electric adjustment. 3. When there is the difference of more than 3 ~ 4 dB between left and right output levels, replace the head assembly to avoid complaints.
Playback torque	1. Measure the torque in the playback mode by the torque meter.	26 ~ 72 g-cm	When the standard torque cannot be obtained, replace the FR arm assembly or motor.
Fast forward torque	1. Measure the torque in the fast forward mode by the torque meter.	75 ~ 175 g-cm	When the standard torque cannot be obtained,replace the FR arm assembly or motor.
Rewind torque	1. Measure the torque in the rewind mode by the torque meter.	75~ 175 g-cm	When the standard torque cannot be obtained, replace the FR arm assembly or motor.
Wow & flutter	1. Connect the wow & flutter meter to the DOLBY TP(figure 1) and play back VTT-712. 2. Its reading should be within 0.25% (WTD).	Less than 0.25%	As a complaint may occur if the wow & flutter fluctuates by 0.1% even though it is allowed in the standard, repairing is required.



Deck A



Deck B

Fig.3

3. Electrical Adjustments (Make the following adjustments after adjusting the head azimuth.)

In principle, the adjustments should be made in the following sequence.
Set the NR switch to OFF and the BEAT CUT switch to "1".
Adjustments marked with an asterisk (*) should always be made after the head is replaced

0dBs=0.775V

Item	Adjustment Method	Adjustment Location	Standard Value	Remarks
Tape Speed	1. Connect a frequency counter to the NR TP 901 (figure 1) and play back VTT-712. 2. Adjust the semi-fixed resistor VR901 on FMH-005 - 1 (figure 1).	VR901	3,000 Hz ±10Hz	Connect a wow & flutter meter with a built-in frequency counter to the speaker terminals.
Standard level (Playback Level)	1. Connect an electronic voltmeter to the NR TP901(figure 1). Play back VTT-724 (1 kHz : −4dBs) to adjust the semi - fixed resistors.	**Deck A** L: VR301 R: VR302 **Deck B** L: VR303 R: VR304	488mV (−4dBs)	1) The playback level varies when the head is replaced so should be adjusted. Use an electronic voltmeter with an impedance of 100 kΩ or more.
Playback Frequency Response	1. Connect an electronic voltmeter to the NR TP 901(figure 1). 2. Play VTT-703L (10kHz : −10dBs) and adjust semi-fixed resistors to obtain the standard values.	**Deck A** L: VR305 R: VR306 **Deck B** L: VR307 R: VR308	245mV (−10dBs)	—
Recording Bias Frequency	1. Connect a frequency counter to the BIAS TP(figure 1), and perform a recording to adjust bias frequency.	L301	105 kHz ±5 kHz	Set the BEAT CUT SWITCH to "1". (BS,EF,EN,G,GI,VX only)
Record / Play Frequency Response (Bias current)	1. Supply 1kHz and 12.5kHz with 30mV signals to AUX terminals respectively to record them. 2. Connect an electronic voltmeter to the NR TP901 (figure 1) to confirm the recorded values. 3. If the values are not satisfied, adjust the semi-fixed resistors and record the signal again to confirm the recorded values.	L : VR309 R : VR310	0±2 dB with 1 kHz as the standard.	**Refer to figure 4 below.** 1) The recording and playback frequency response of a cassette deck are adjusted by adjusting the bias. 2) Perform the adjustment with normal tape and confirm that the values are within the range for metal tape.

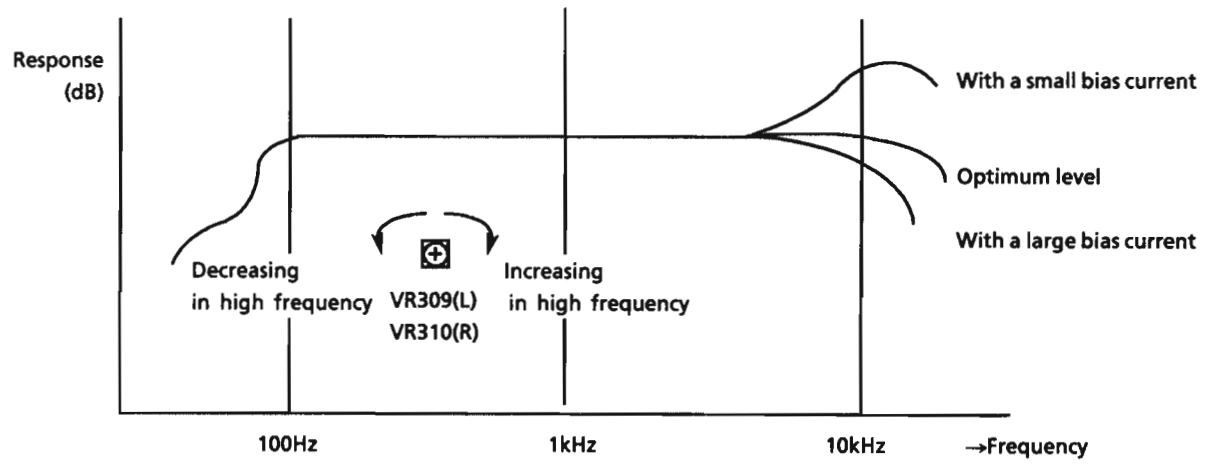
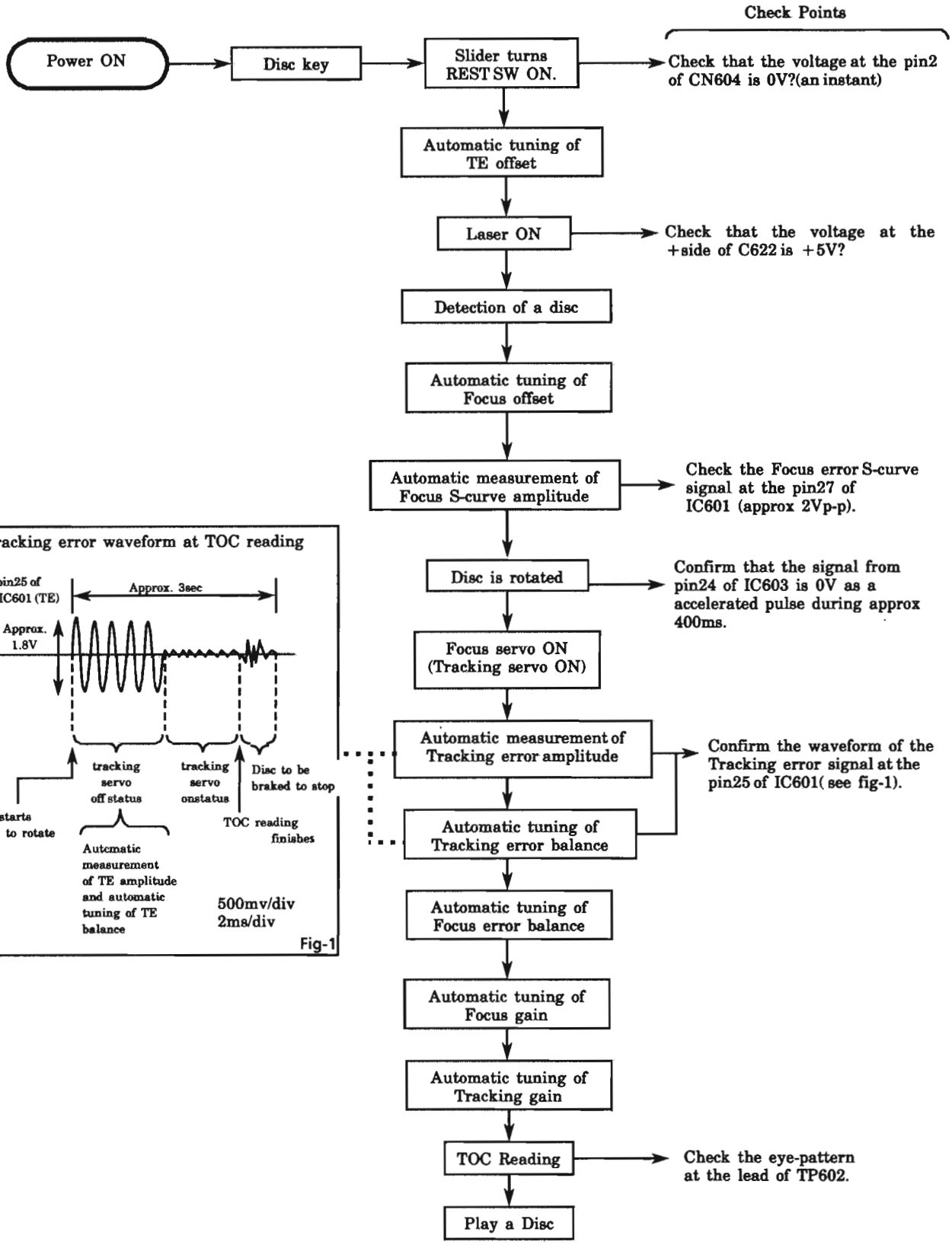


Fig.4

Flow of Functional Operation Until TOC is Read



Maintenance of Laser Pickup

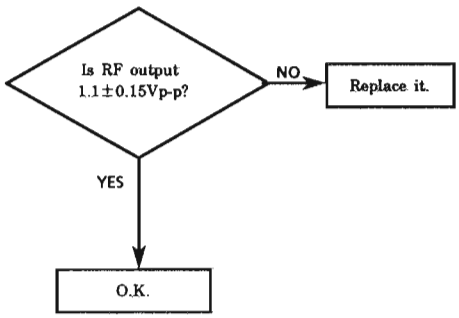
(1) Cleaning the pick up lens

Befor you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode (Fig.1)

When the life of the laser diode has expired, the following symptoms will appear.

The level of RF output (EFM output: ampli tude of eye pattern) will be low.



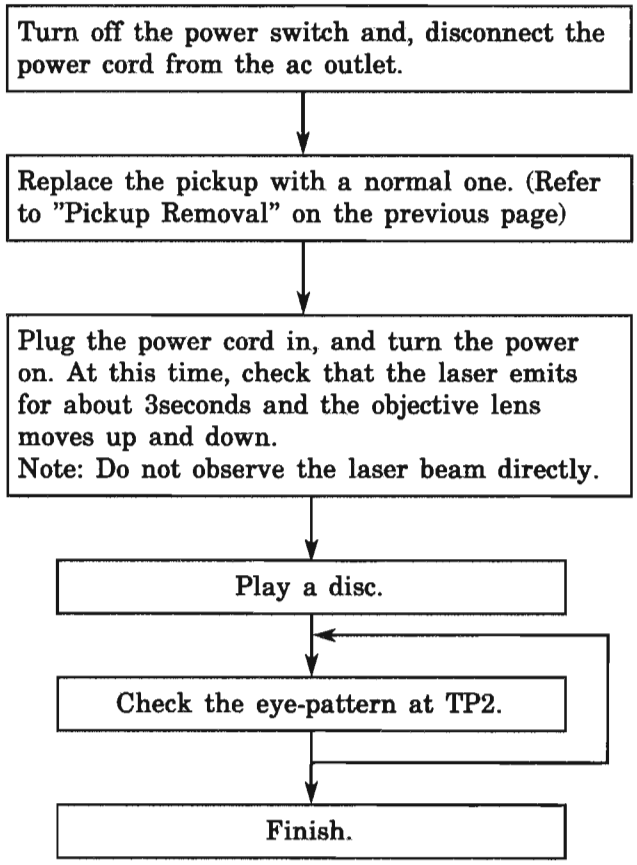
(3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

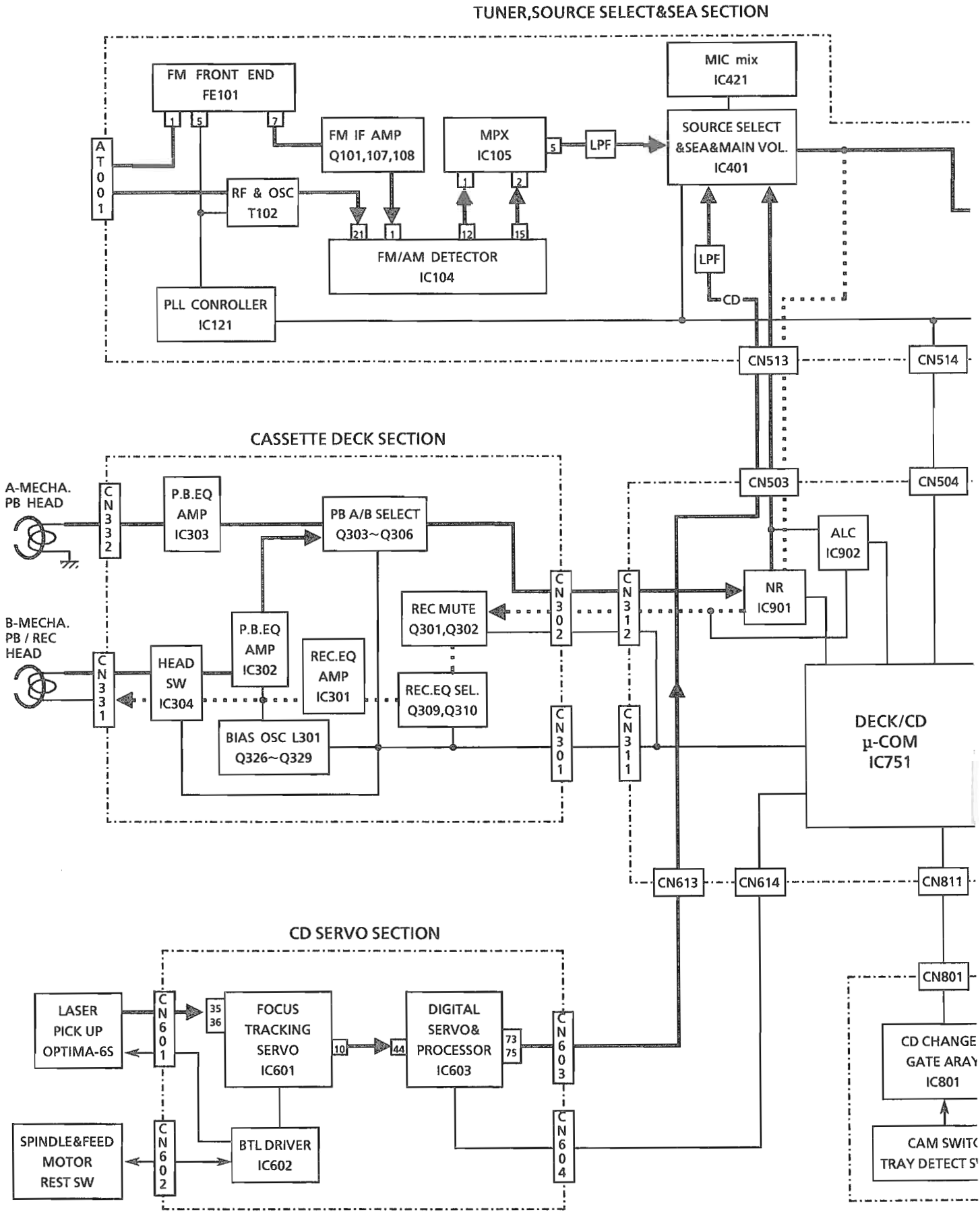
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.

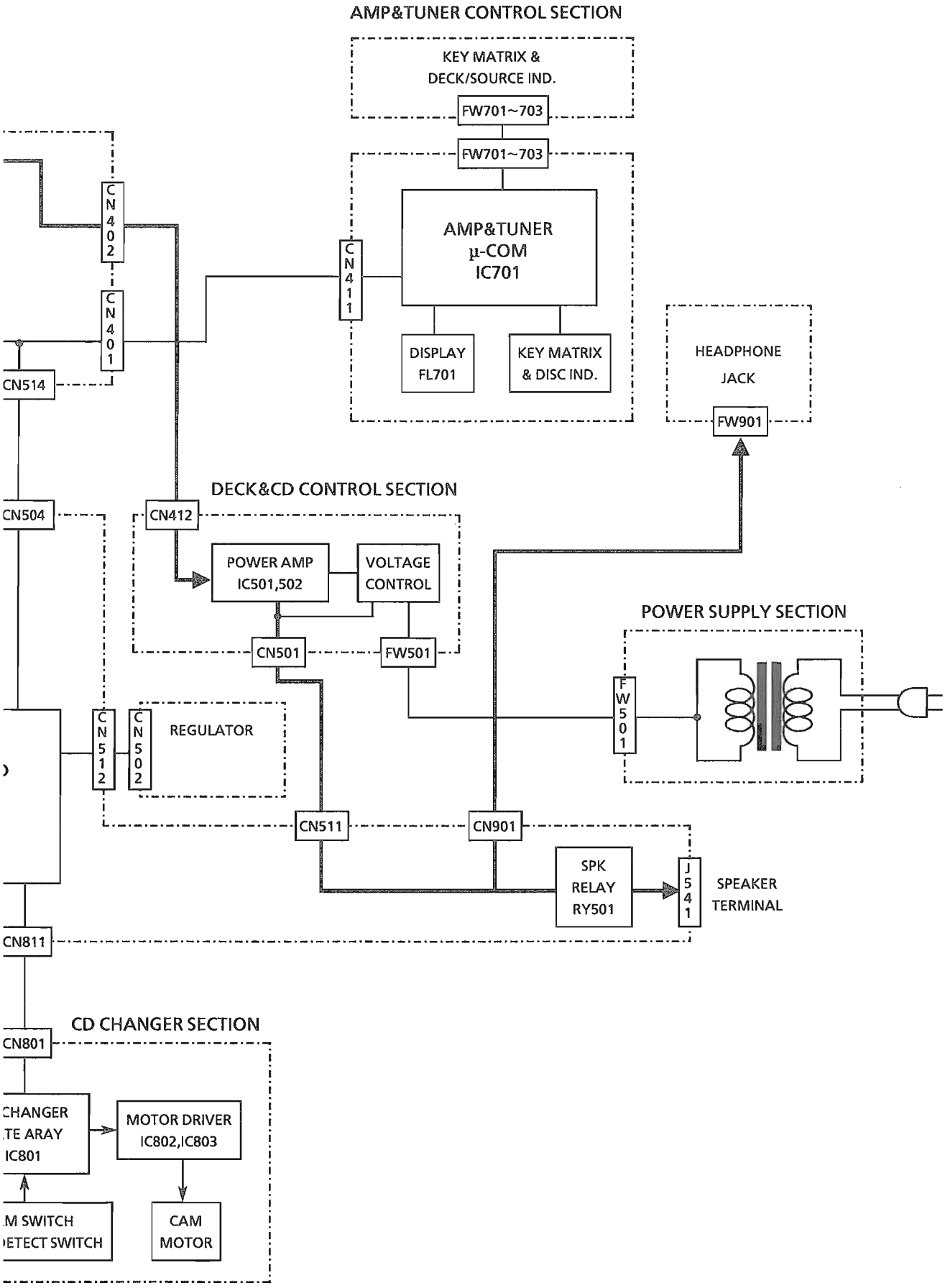
If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

Replacement of Laser Pickup

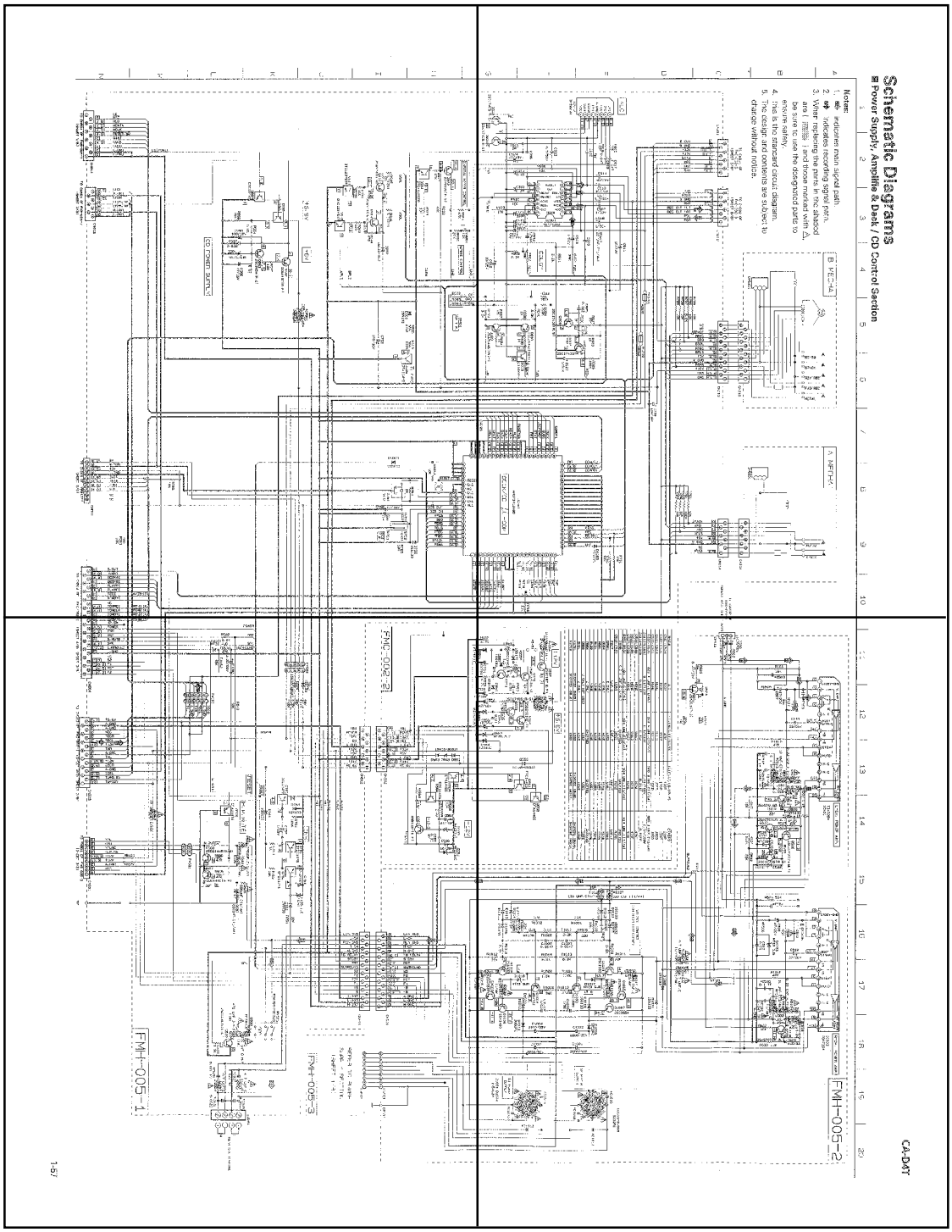


Block Diagram

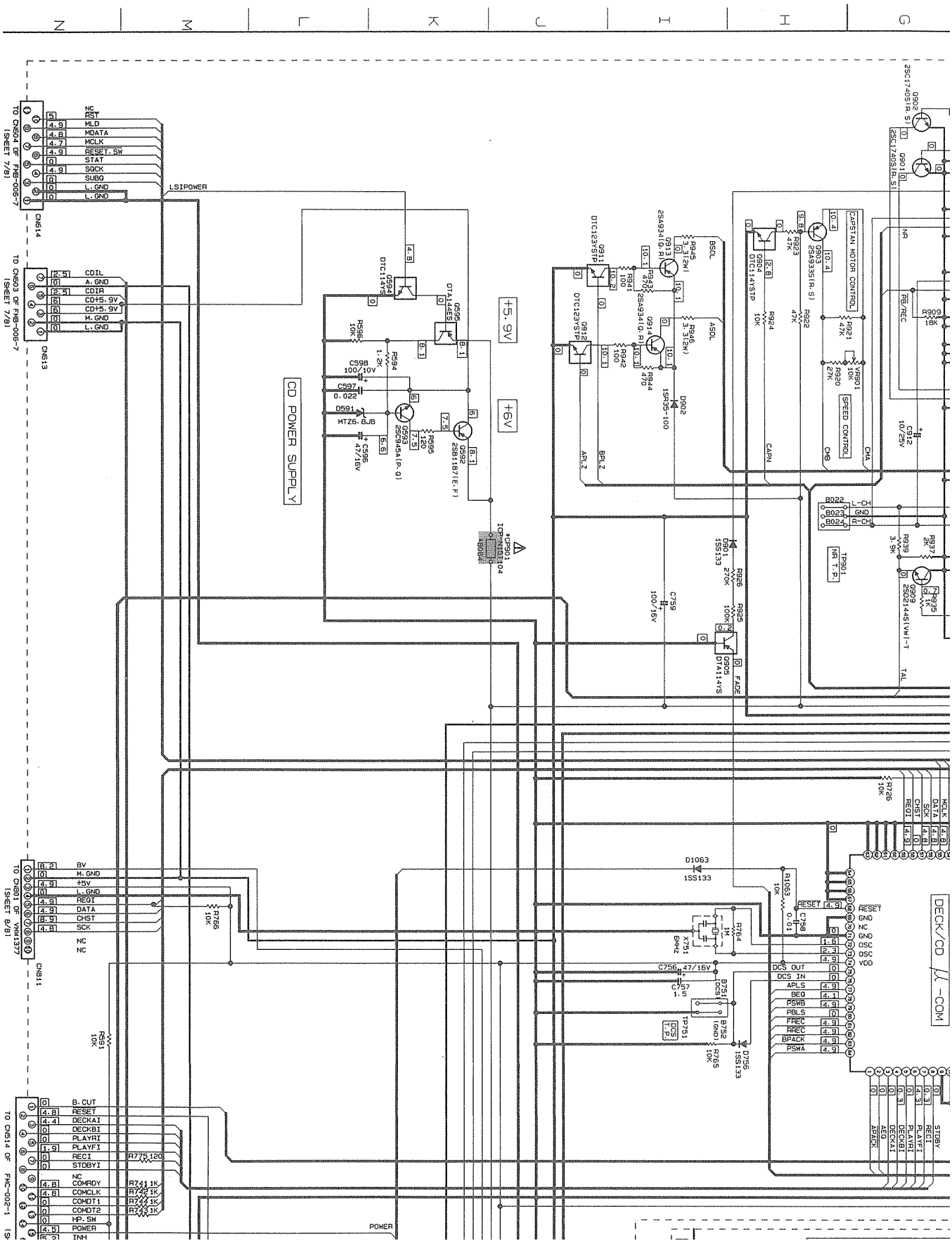



AMP&TUNER CONTROL SECTION
KEY MATRIX &
DECK/SOURCE IND.
FW701~703
FW701~703
AMP&TUNER
µ-COM
IC701
CN402
CN401
CN411
CN514
DISPLAY
FL701
KEY MATRIX
& DISC IND.
HEADPHONE
JACK
FW901
DECK&CD CONTROL SECTION
CN504
CN412
POWER AMP
IC501,502
VOLTAGE
CONTROL
POWER SUPPLY SECTION
CN501
FW501
FW501
CN512
CN502
REGULATOR
CN511
CN901
SPK
RELAY
RY501
J541
SPEAKER
TERMINAL
CN811
CD CHANGER SECTION
CN801
CHANGER
TE ARAY
IC801
MOTOR DRIVER
IC802,IC803
M SWITCH
ETECT SWITCH
CAM
MOTOR

P1-57-a P1-57-b



P1-57-c P1-57-d


CD POWER SUPPLY
CAPSTAN MOTOR CONTROL
SPEED CONTROL
DECK/CD μ-COM
+5.9V
+6V
LSIPOWER
POWER
LSI
CN614
CN613
CN811
CN801
CN814
CN804
CN803
FHC-002-1
FHE-005-7
FHE-006-7
VWH1377
NC
RST
MLD
MDATA
MCLK
RESET.SW
STAT
SOCK
SUBQ
L.GND
CDIL
A.GND
CDIR
CD+5.9V
M.GND
BV
+5V
REQI
DATA
CHST
SCK
B.CUT
RESET
DECKAI
DECKBI
PLAYAI
PLAYFI
RECI
STDBYI
COMRDY
COMCLK
COMDT1
COMDT2
HP.SW
INH
L-CH
R-CH
MCLK
DATA
SCK
CHST
REQI
RESET
GND
OSC
VDD
DCS OUT
DCS IN
APLS
BEQ
PSWB
PBLS
FREC
RREC
BPACK
PSWA
STDBY
PLAYFI
PLAYAI
DECKBI
DECKAI
BEQ
BPACK
FADE
TAL
NR
FB/REC
BSOL
ASOL
BPLZ
APLZ
CAPN
CMA
CMB
TP901
NR T.P.
TP751
DCS T.P.
X751
6MHz
IC901
M51104
D901
1SS133
D902
1S1335-100
D1063
1SS133
D755
1SS133
Q901
2SC1740S(R-S)
Q902
2SC1740S(R-S)
Q903
2SA933S(R-S)
Q904
DTC114YSTP
Q905
DTA144ES
Q906
DTC123YSTP
Q907
2SA933S(R-S)
Q908
DTC123YSTP
Q909
2SD2144S(VW)-T
Q912
2SA933S(R-S)
Q913
2SA933S(R-S)
Q914
2SA933S(R-S)
Q591
MTZ6.8JB
Q592
2SB1187(E-F)
Q593
2SD594S(P-Q)
Q594
DTC114YS
Q595
DTA144ES
Q805
DTA114YS
R596
10K
R594
1.2K
R595
120
R597
0.022
C598
100/10V
C596
47/16V
C759
100/16V
R926
270K
R925
100K
R726
10K
R1063
10K
R765
10K
R755
10K
R751
10K
R752
10K
R754
1M
C758
0.01
C756
47/16V
C757
1n
R923
47K
R922
47K
R924
47K
R920
27K
VR901
10K
R909
10K
C912
10/25V
R937
2K
R939
3.3K
R935
4.7K
R941
100
R942
100
R944
470
R945
3.3(2W)
R946
3.3(2W)
R947
1.2K
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120
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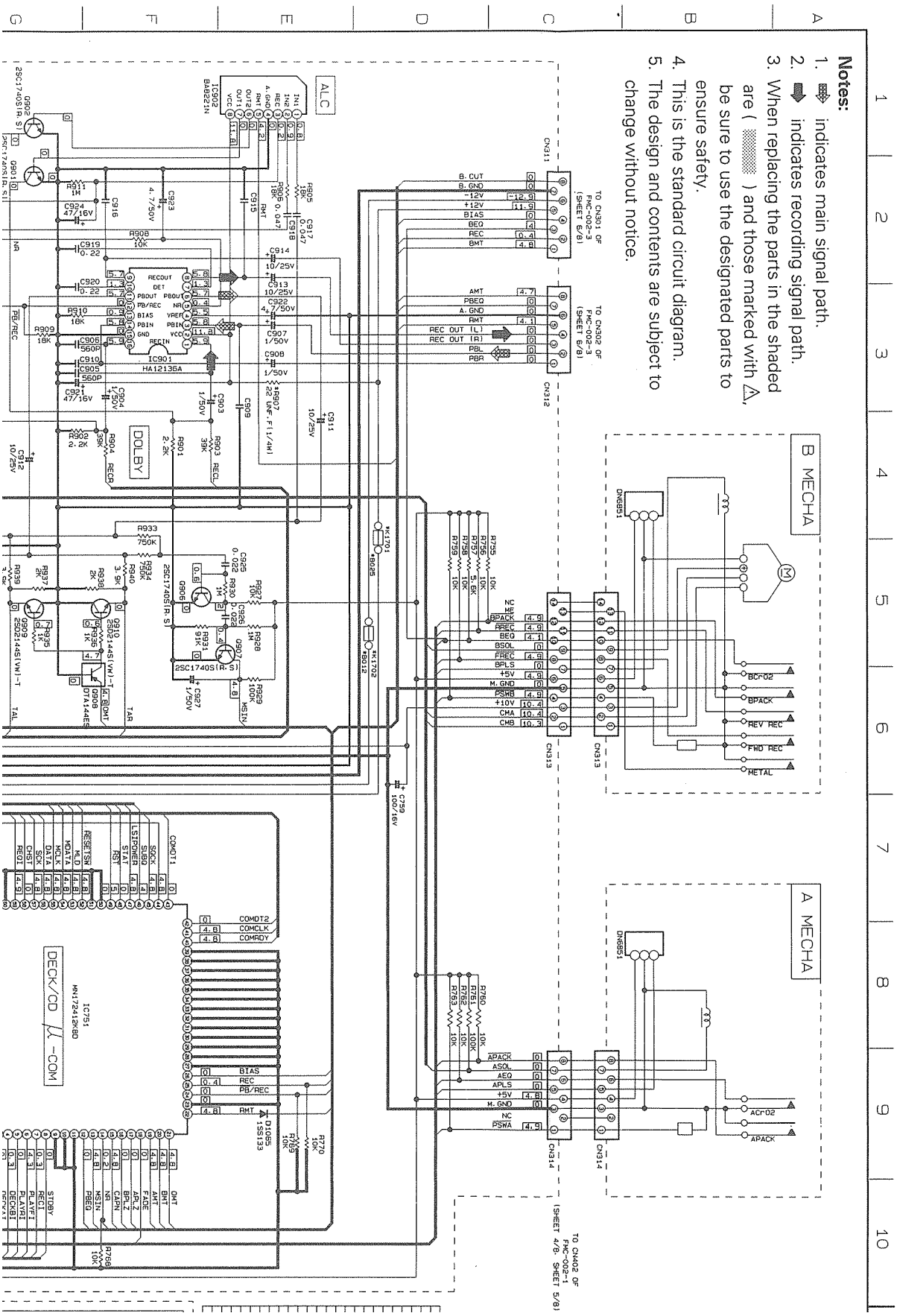
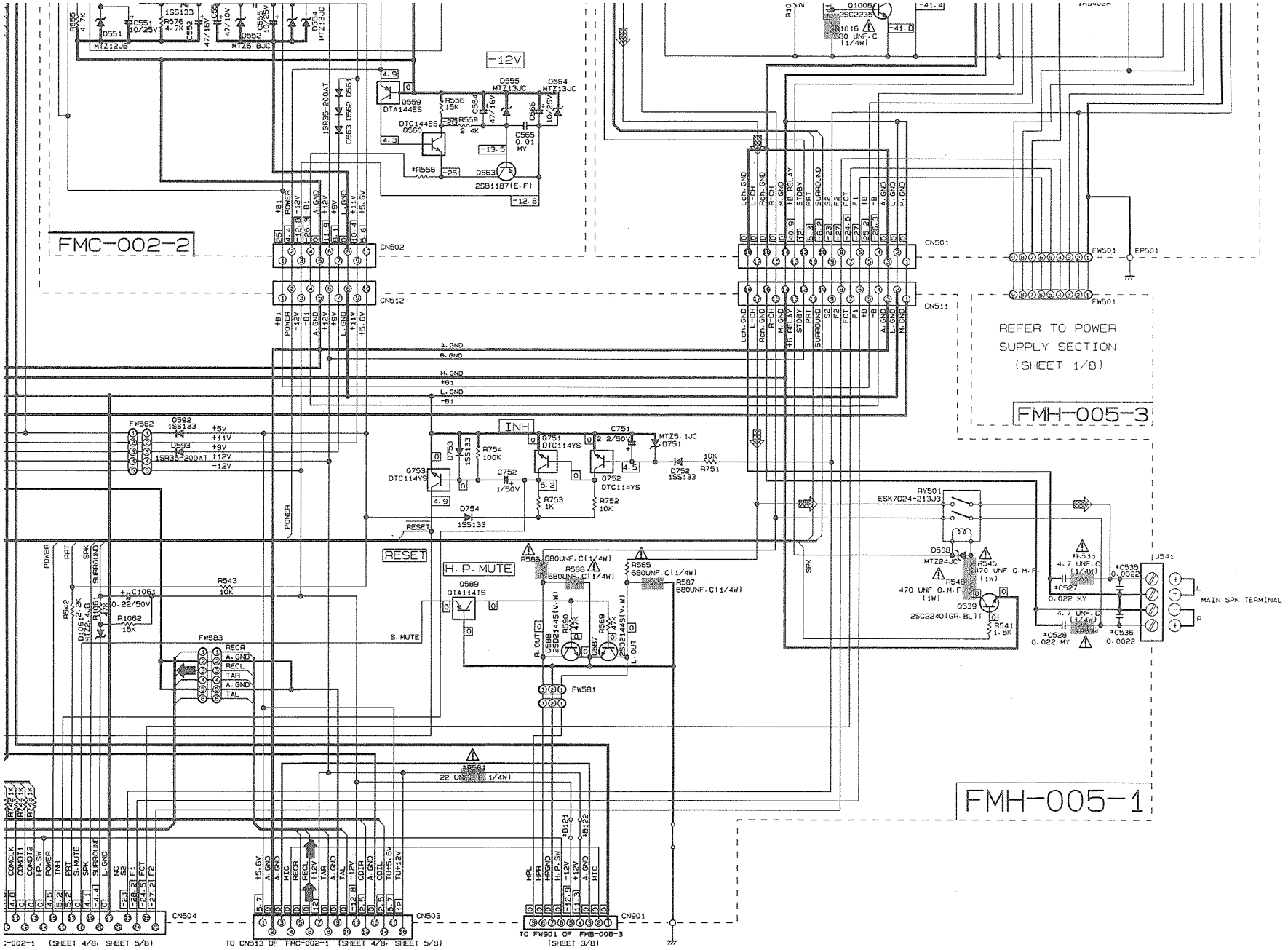
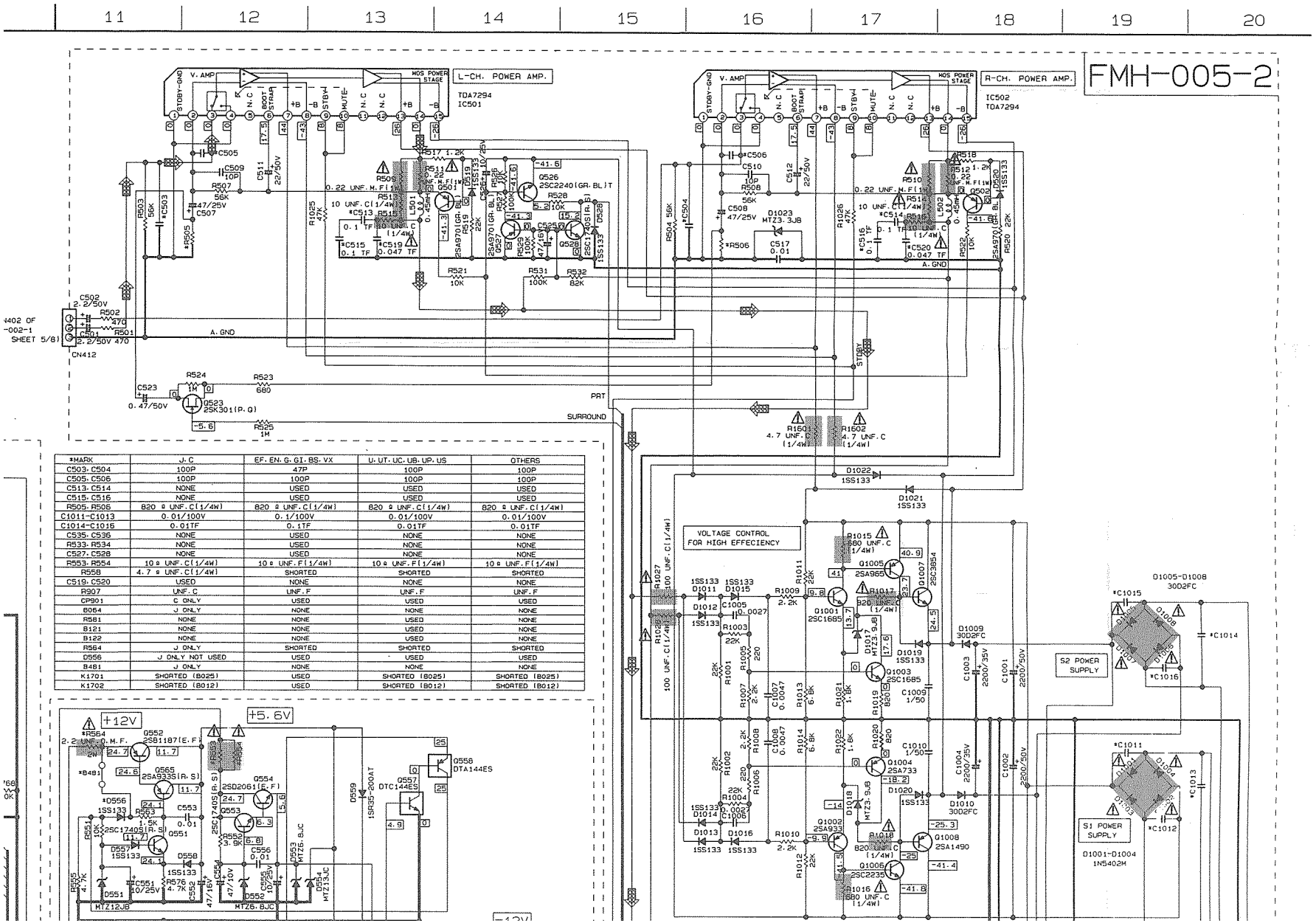
Schematic Diagrams

■ Power Supply, Amplifie & Deck / CD Control Section

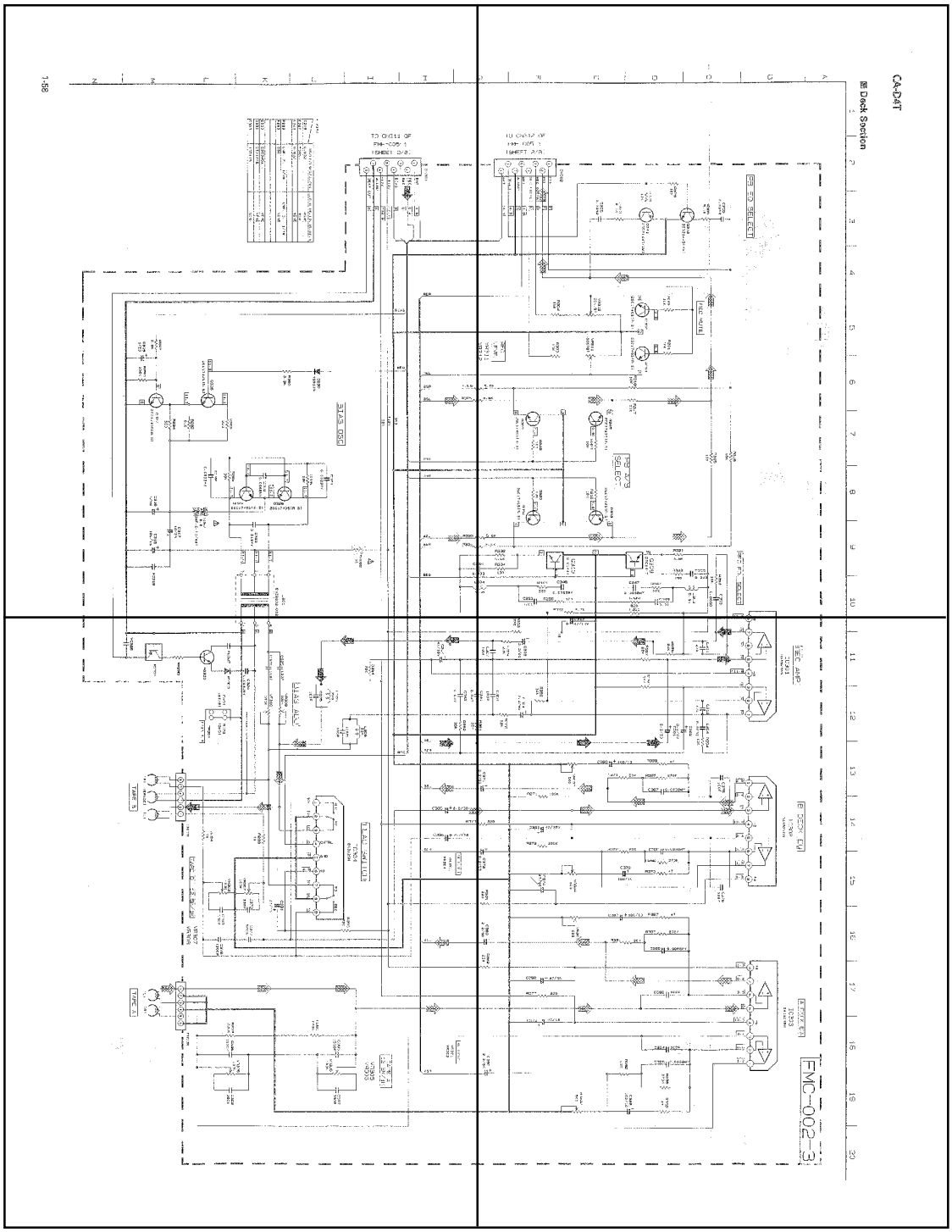



FMC-002-2
FMH-005-3
FMH-005-1
REFER TO POWER SUPPLY SECTION (SHEET 1/8)
-12V
INH
RESET
H. P. MUTE
S. MUTE
CN502
CN512
CN501
CN511
CN504
CN503
CN901
FW501
EP501
FW582
FW583
FW581
J541
RY501
ESK7D24-213J3
MAIN SPK TERMINAL
TO CN513 OF FMC-002-1 (SHEET 4/8, SHEET 5/8)
TO FW901 OF FMB-005-3 (SHEET 3/8)
(SHEET 4/8, SHEET 5/8)

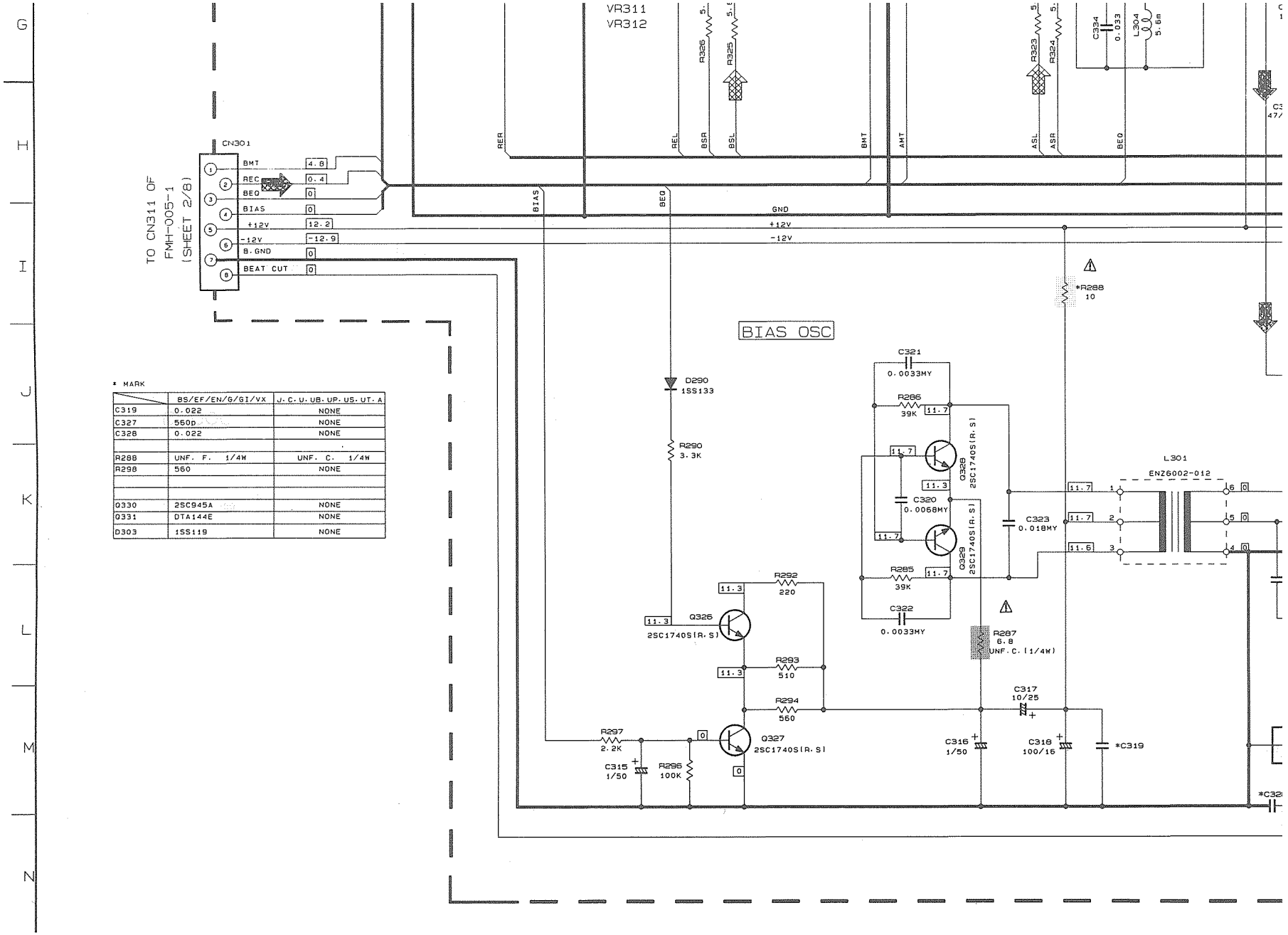


*MARK	J. C	EF. EN. G. GI. BS. VX	U. UT. UC. UB. UP. US	OTHERS
C503. C504	100P	47P	100P	100P
C505. C506	100P	100P	100P	100P
C513. C514	NONE	USED	USED	USED
C515. C516	NONE	USED	USED	USED
R505. R506	820 Ω UNF. C(1/4W)	820 Ω UNF. C(1/4W)	820 Ω UNF. C(1/4W)	820 Ω UNF. C(1/4W)
C1011-C1013	0.01/100V	0.1/100V	0.01/100V	0.01/100V
C1014-C1016	0.01TF	0.1TF	0.01TF	0.01TF
C535. C536	NONE	USED	NONE	NONE
R533. R534	NONE	USED	NONE	NONE
C527. C528	NONE	USED	NONE	NONE
R553. R554	10 Ω UNF. C(1/4W)	10 Ω UNF. F(1/4W)	10 Ω UNF. F(1/4W)	10 Ω UNF. F(1/4W)
R558	4.7 Ω UNF. C(1/4W)	SHORTED	SHORTED	SHORTED
C519. C520	USED	NONE	NONE	NONE
R907	UNF. C	UNF. F	UNF. F	UNF. F
CP901	C ONLY	USED	USED	USED
B864	J ONLY	NONE	NONE	NONE
R581	NONE	NONE	USED	NONE
B121	NONE	NONE	USED	NONE
B122	NONE	NONE	USED	NONE
R564	J ONLY	SHORTED	SHORTED	SHORTED
D556	J ONLY NOT USED	USED	USED	USED
B481	J ONLY	NONE	NONE	NONE
K1701	SHORTED (B025)	USED	SHORTED (B025)	SHORTED (B025)
K1702	SHORTED (B012)	USED	SHORTED (B012)	SHORTED (B012)

P1-58-a P1-58-b



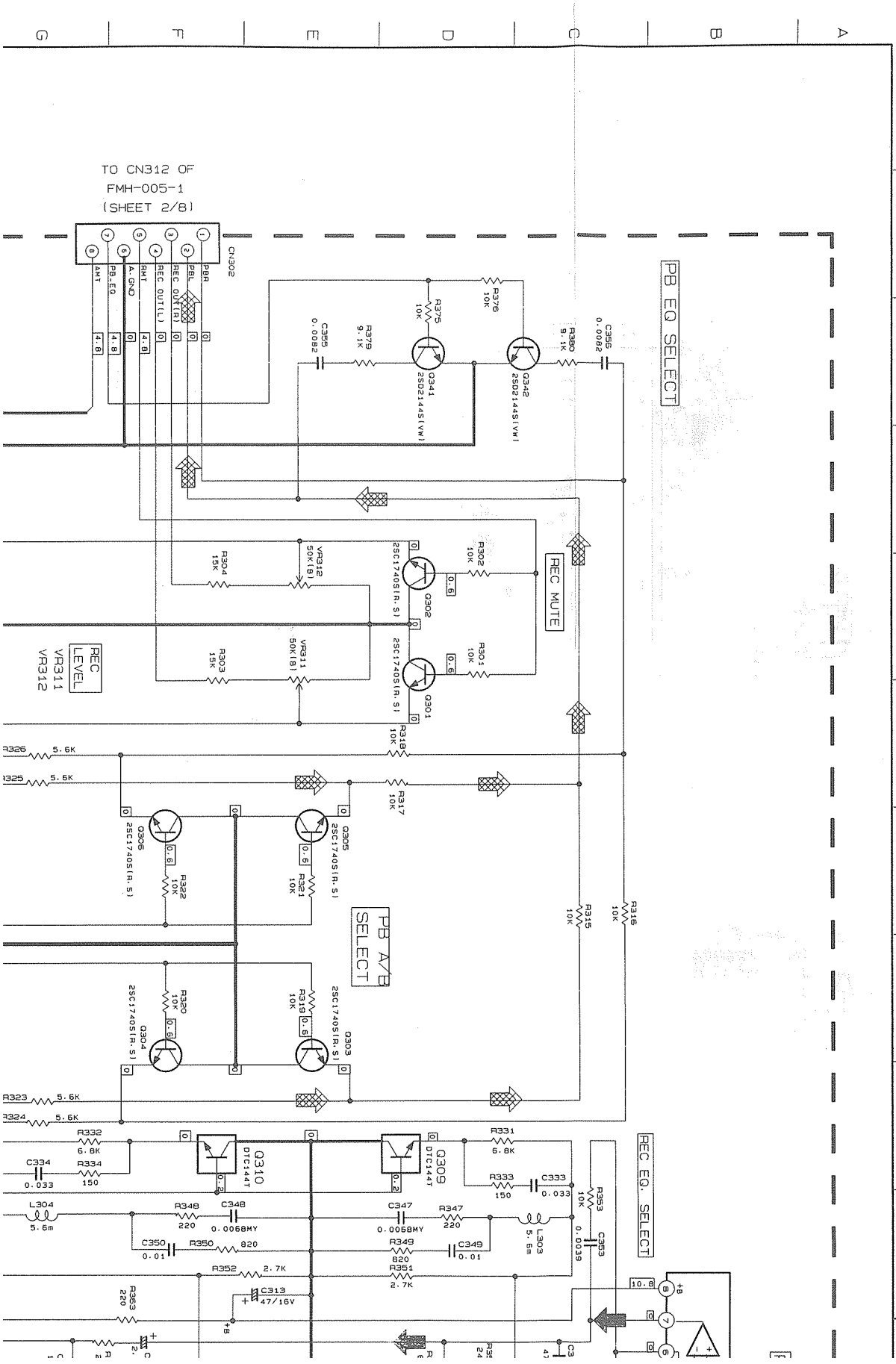
P1-58-c P1-58-d

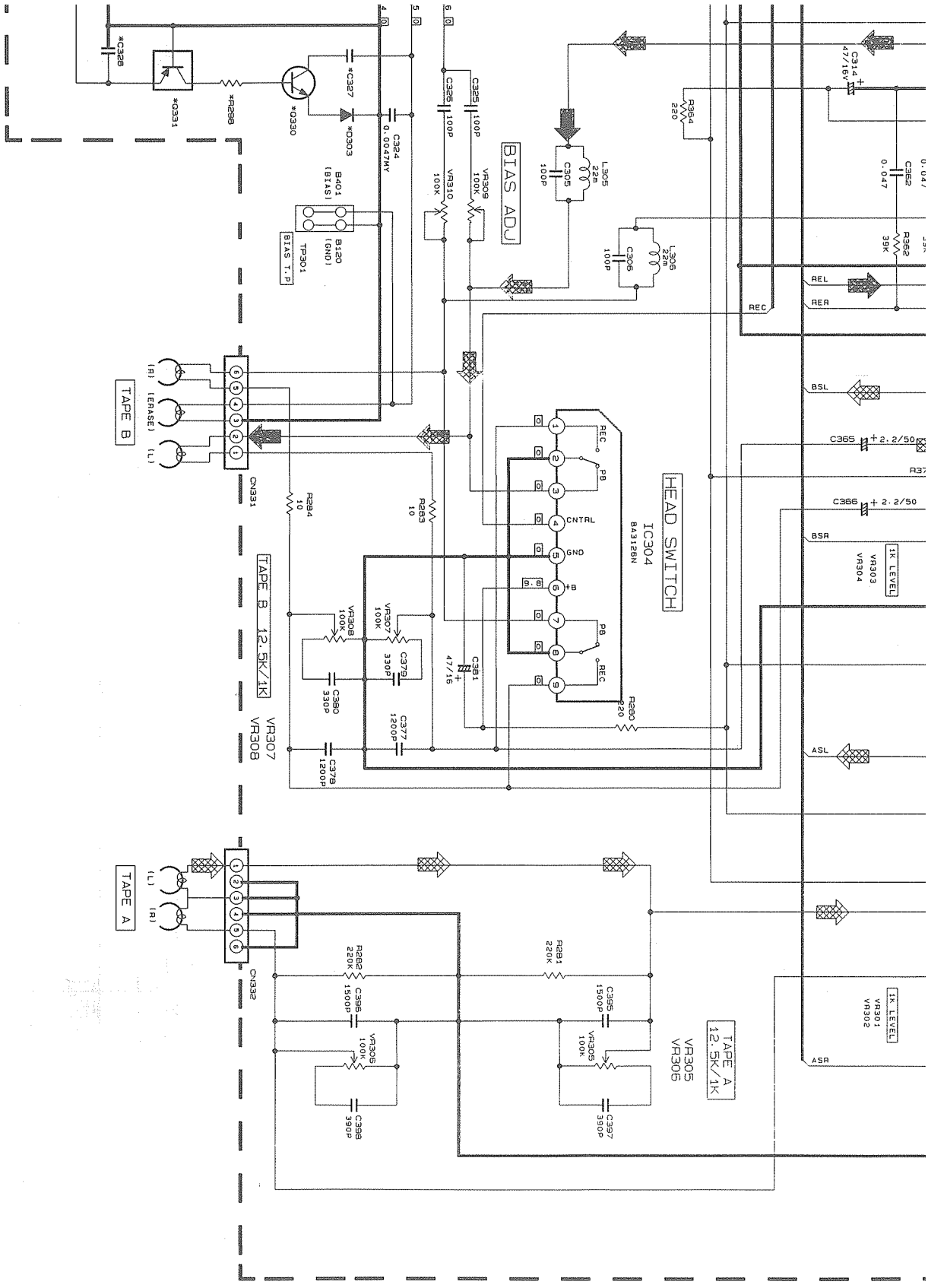


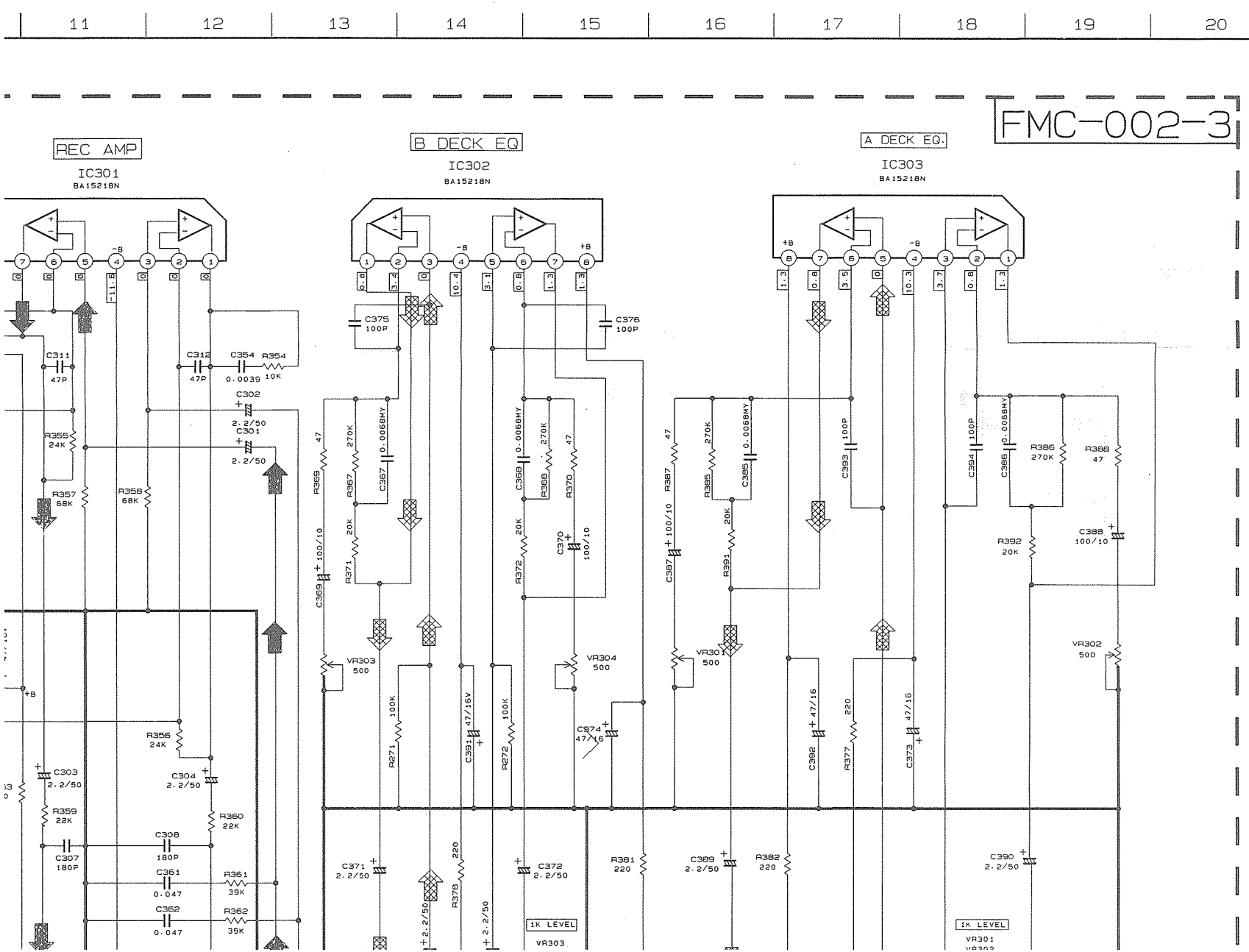
* MARK

	BS/EF/EN/G/GI/VX	J.C.U.UB.UP.US.UT.A
C319	0.022	NONE
C327	560p	NONE
C328	0.022	NONE
R288	UNF. F. 1/4W	UNF. C. 1/4W
R298	560	NONE
Q330	2SC945A	NONE
Q331	DTA144E	NONE
D303	1SS119	NONE

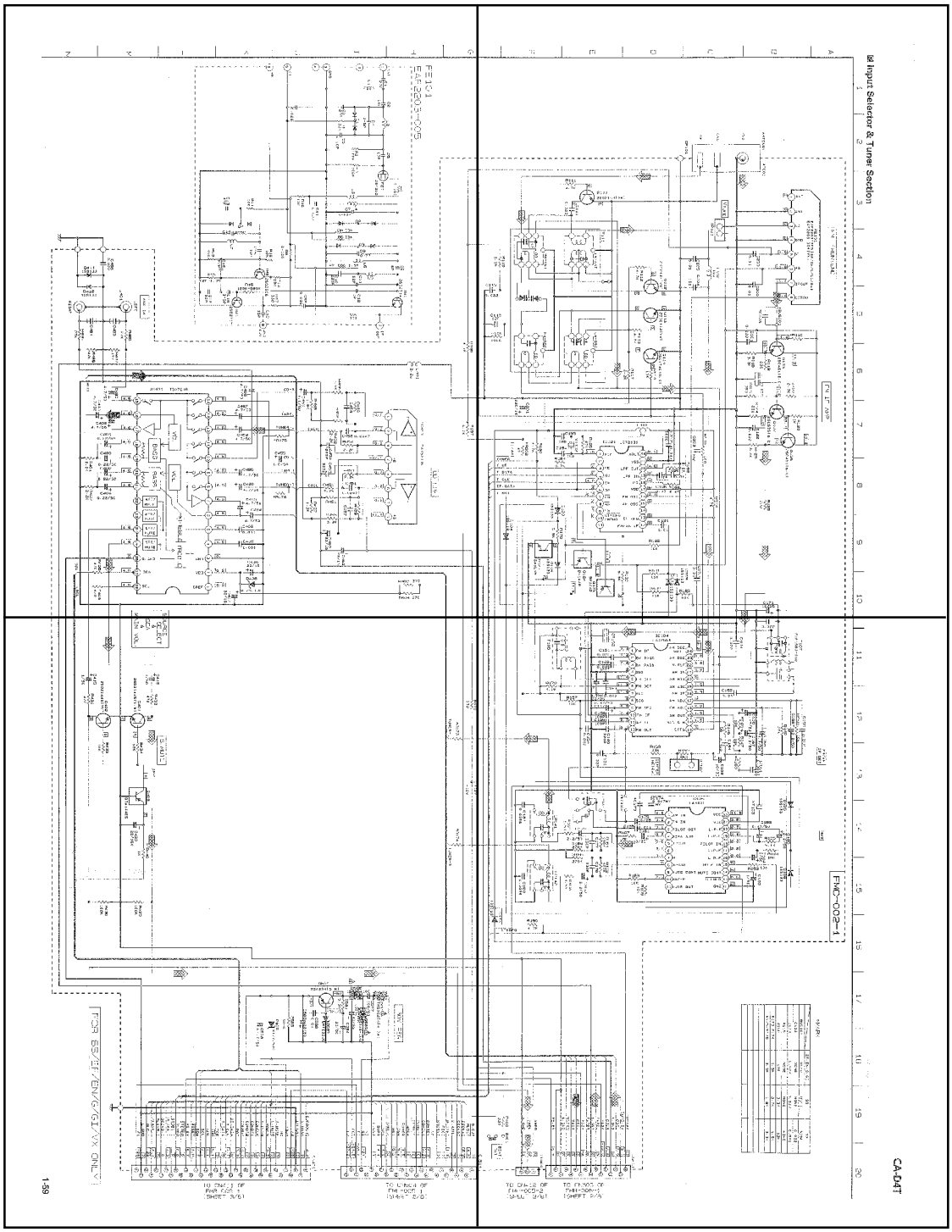
■ Deck Section



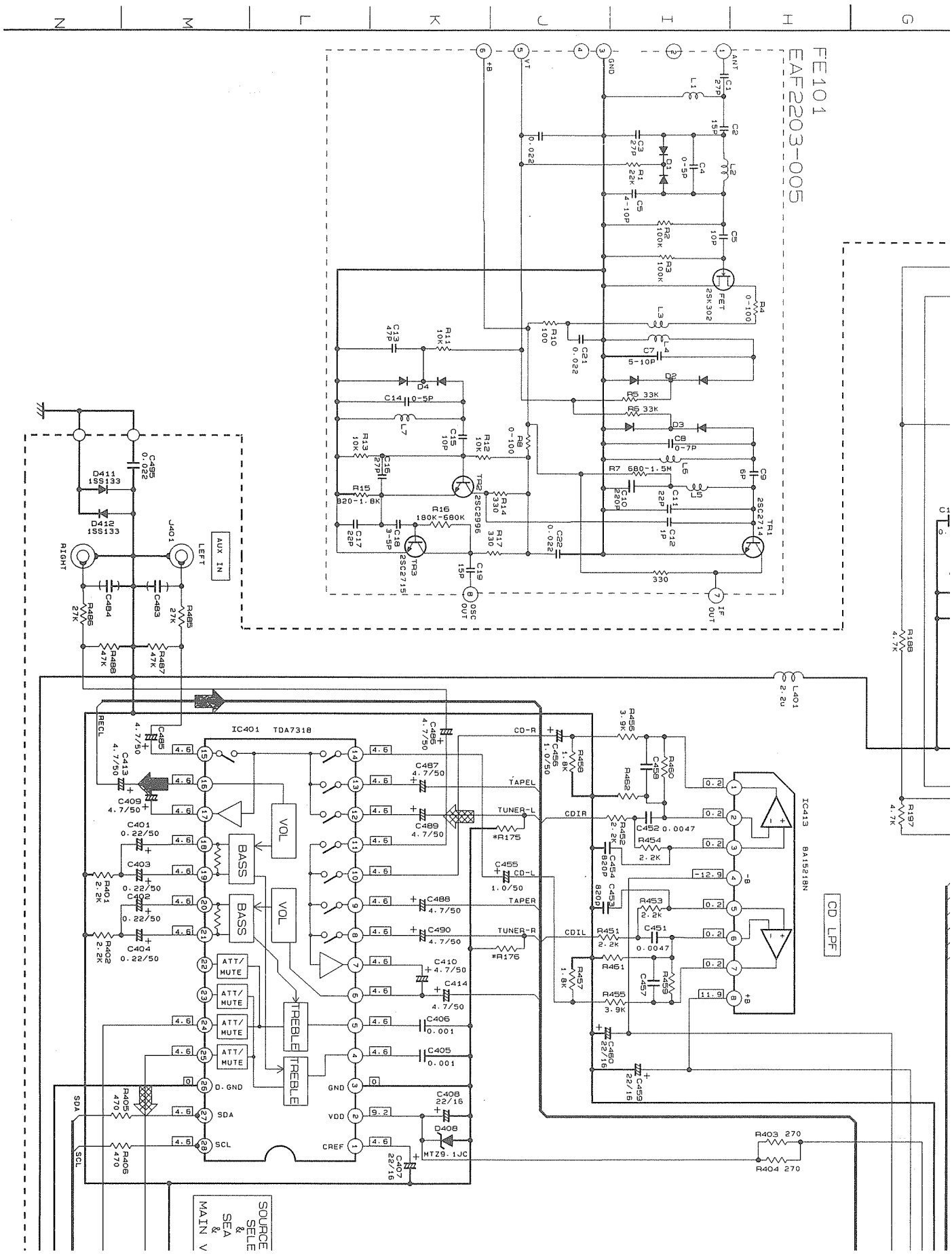

BIAS ADJ
HEAD SWITCH
IC304
BA3126N
TAPE B
TAPE B 12.5K/1K
VR307
VR308
TAPE A
TAPE A 12.5K/1K
VR305
VR306
1K LEVEL
VR303
VR304
1K LEVEL
VR301
VR302
CN331
CN332
REC
PB
CNTRL
GND
+B
9.8
REL
RER
BSL
BSR
ASL
ASR
TP301
BIAS T.P


11
12
13
14
15
16
17
18
19
20
FMC-002-3
REC AMP
IC301
BA15218N
B DECK EQ
IC302
BA15218N
A DECK EQ.
IC303
BA15218N
C311 47P
C312 47P
C354 0.0039
R354 10K
C302 2.2/50
C301 2.2/50
R355 24K
R357 68K
R358 68K
C375 100P
C376 100P
R369 47
R367 270K
C367 0.0068MY
R371 20K
C369 100/10
C368 0.0068MY
R368 270K
R370 47
R372 20K
C370 100/10
VR303 500
VR304 500
C374 47/16
R271 100K
R272 100K
C391 47/16
C371 2.2/50
R378 220
C372 2.2/50
R381 220
C389 2.2/50
R382 220
C390 2.2/50
1K LEVEL
VR303
1K LEVEL
VR301
R387 47
R385 270K
C385 0.0068MY
C387 100/10
R391 20K
VR301 500
C393 100P
C392 47/16
R377 220
C373 47/16
C394 100P
C395 0.0068MY
R386 270K
R388 47
R392 20K
C388 100/10
VR302 500
R356 24K
C303 2.2/50
C304 2.2/50
R359 22K
R360 22K
C308 180P
C307 180P
C361 0.047
R361 39K
C362 0.047
R362 39K

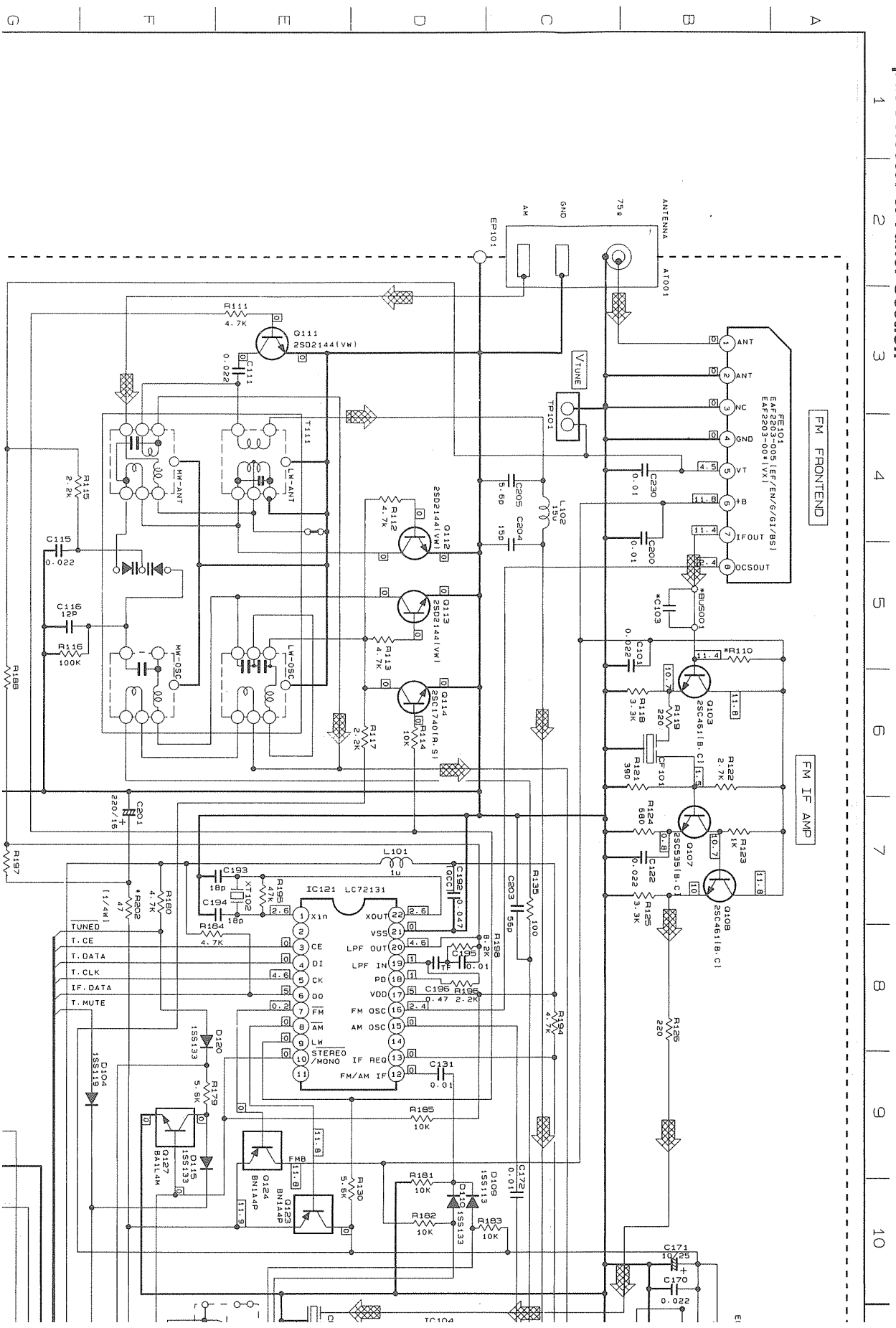
P1-59-a P1-59-b

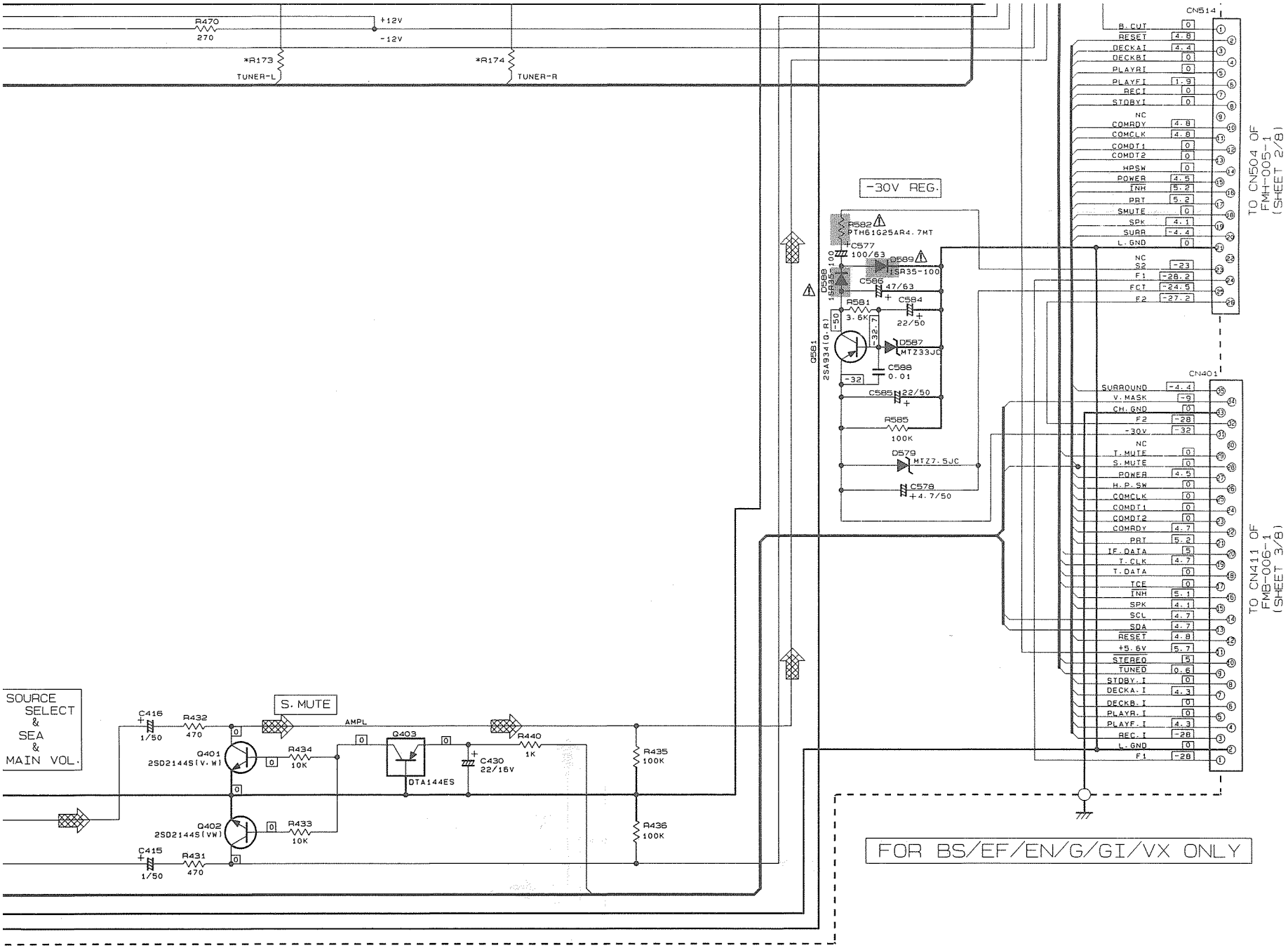


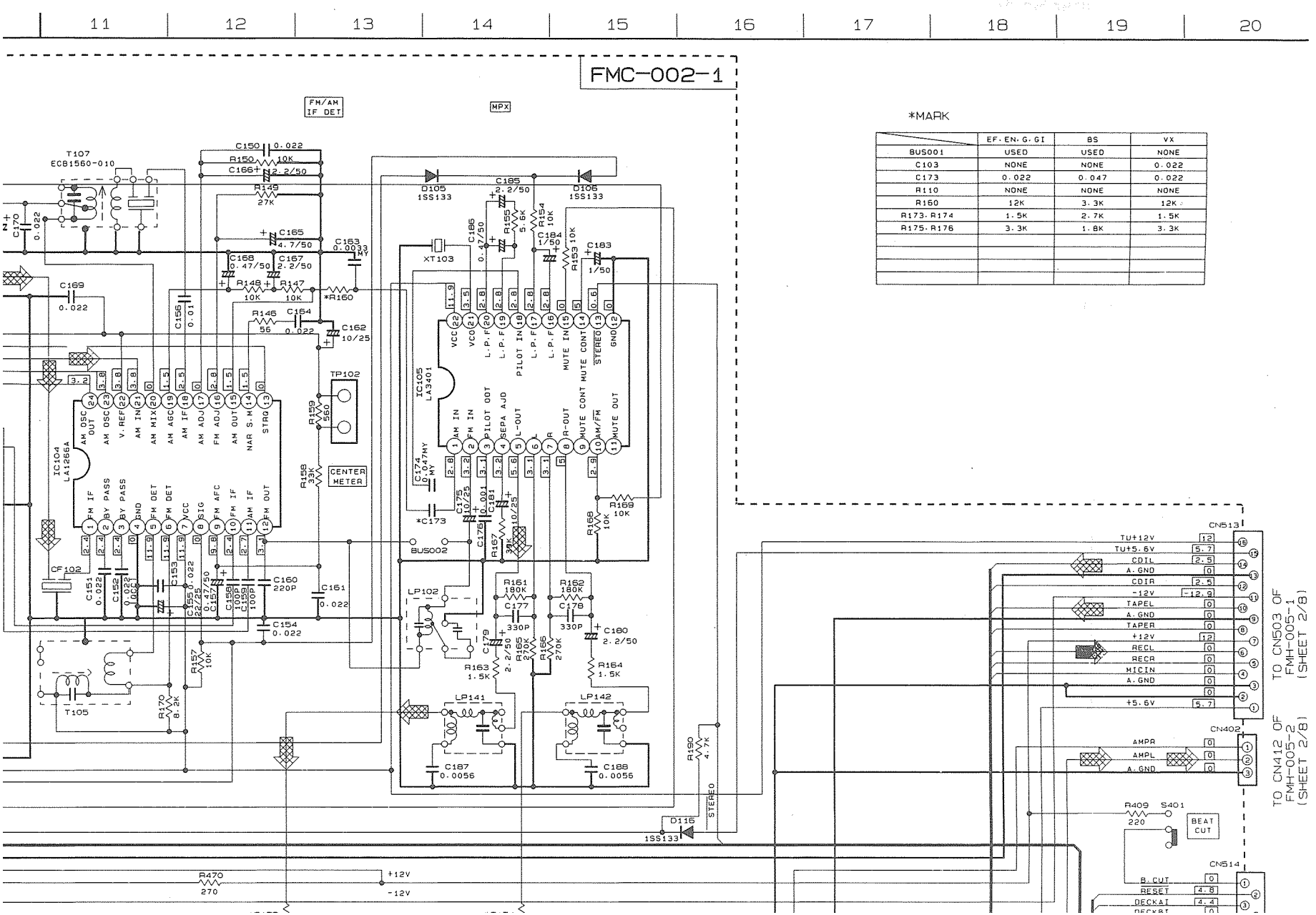
P1-59-c P1-59-d


FE101
EAF2203-005
IC401 TDA7318
IC413 BA15218N
CD LPF
AUX IN
SOURCE SELE & SEA & MAIN V

Input Selector & Tuner Section




R470
270
+12V
-12V
*R173
TUNER-L
*R174
TUNER-R
-30V REG.
R582
PTH61G25AR4.7MT
C577
100/63
D589
1SR35-100
D588
1SR35-100
C586
47/63
C584
22/50
R581
3.6K
Q561
2SA934(Q,R)
D587
MTZ33JC
C588
0.01
C585
22/50
R585
100K
D579
MTZ7.5JC
C578
4.7/50
CN514
B.CUT
RESET
DECKAI
DECKBI
PLAYAI
PLAYFI
RECI
STDBYI
NC
COMRDY
COMCLK
COMDT1
COMDT2
HPSW
POWER
INH
PRT
SMUTE
SPK
SUBR
L.GND
NC
S2
F1
FCT
F2
TO CN504 OF FMH-005-1 (SHEET 2/8)
CN401
SURROUND
V.MASK
CH.GND
F2
-30V
NC
T.MUTE
S.MUTE
POWER
H.P.SW
COMCLK
COMDT1
COMDT2
COMRDY
PRT
IF.DATA
T.CLK
T.DATA
TCE
INH
SPK
SCL
SDA
RESET
+5.6V
STEREO
TUNED
STDBY.I
DECKA.I
DECKB.I
PLAYA.I
PLAYF.I
REC.I
L.GND
F1
TO CN411 OF FMB-006-1 (SHEET 3/8)
SOURCE SELECT & SEA & MAIN VOL.
C416
1/50
R432
470
S.MUTE
AMPL
Q401
2SD2144S(V.W)
R434
10K
Q403
DTA144ES
R440
1K
C430
22/16V
R435
100K
Q402
2SD2144S(VW)
R433
10K
R436
100K
C415
1/50
R431
470
FOR BS/EF/EN/G/GI/VX ONLY


11
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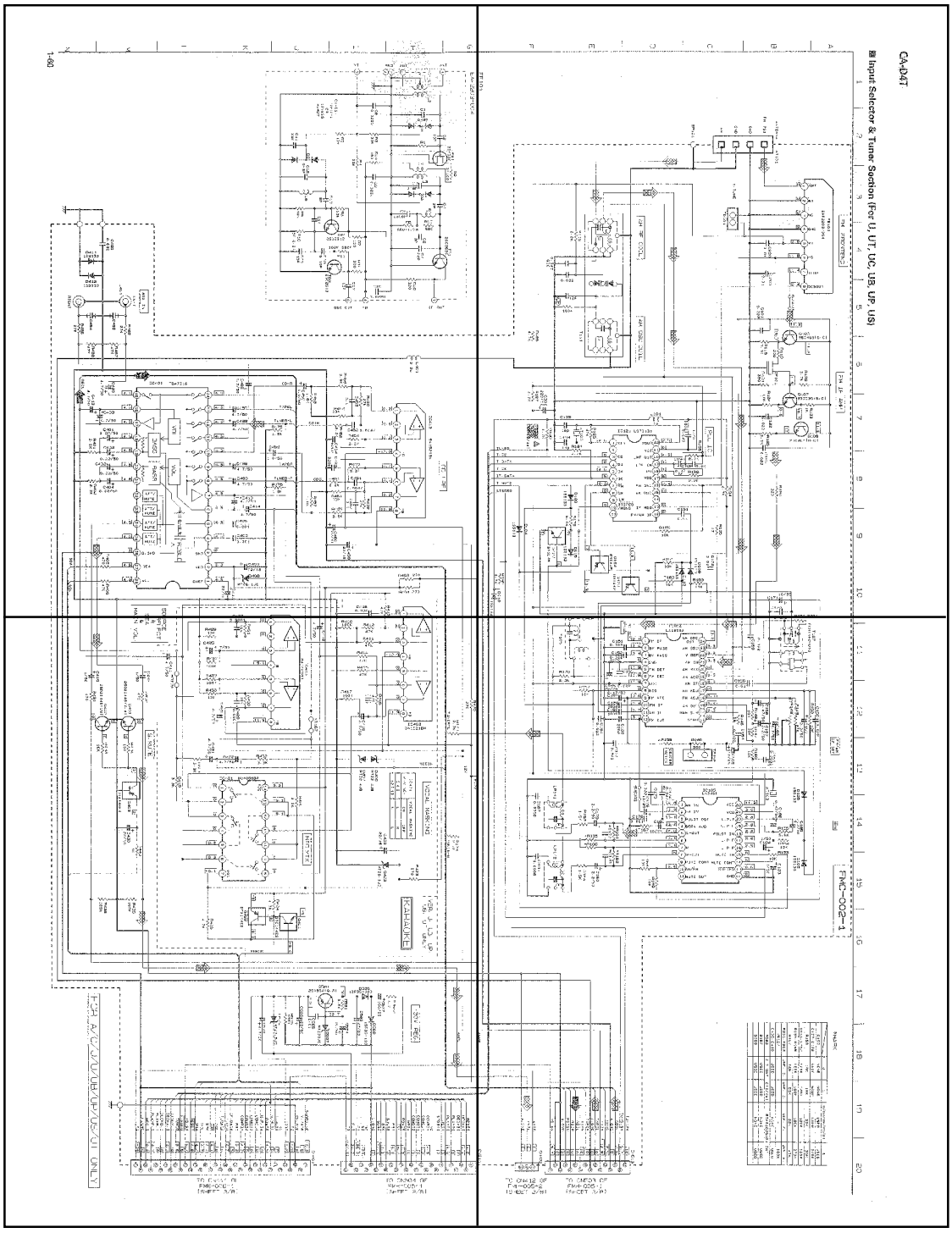
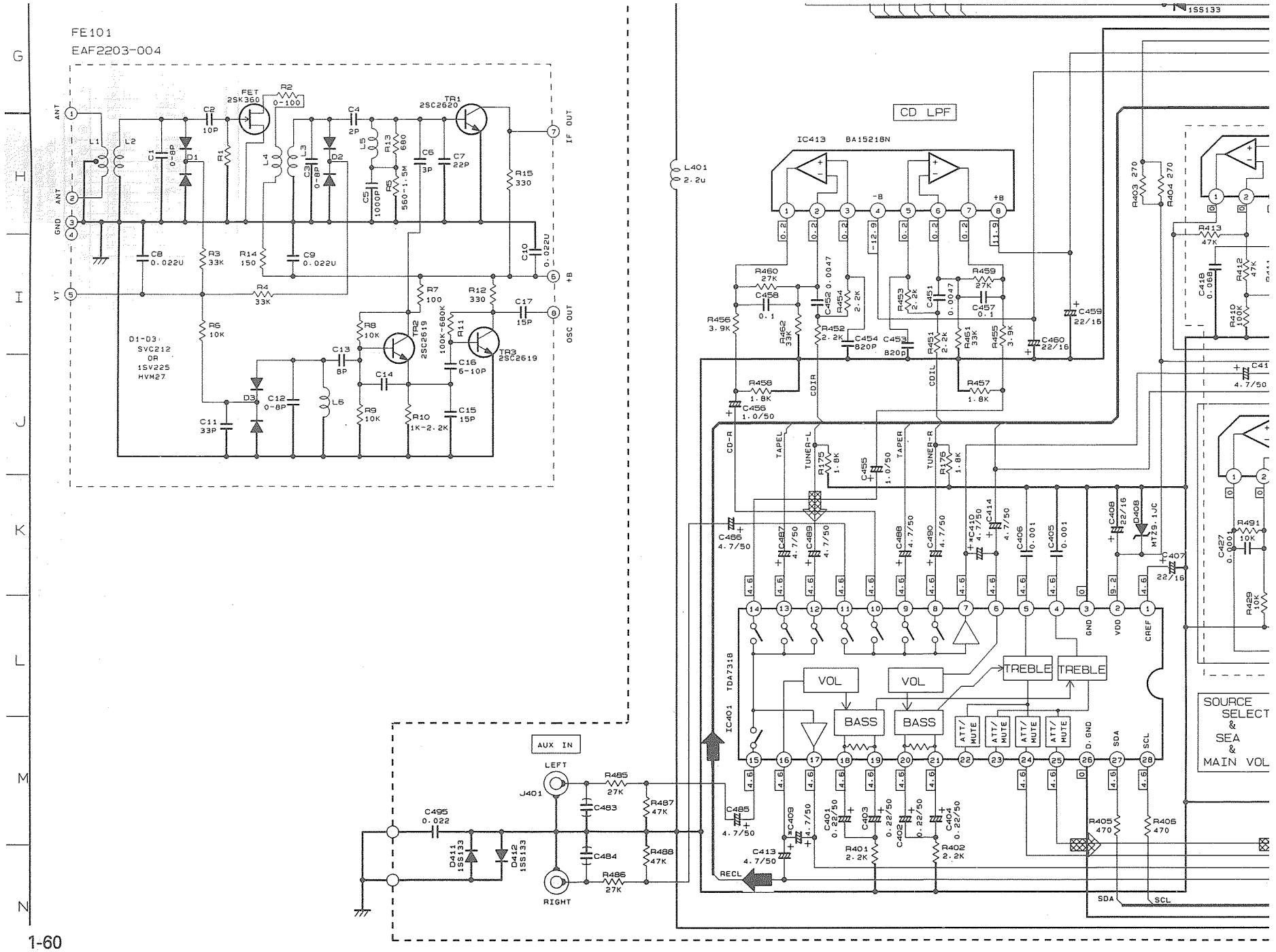
20
FMC-002-1
FM/AM IF DET
MPX
*MARK
EF.EN.G.GI
BS
VX
BUS001 USED USED NONE
C103 NONE NONE 0.022
C173 0.022 0.047 0.022
R110 NONE NONE NONE
R160 12K 3.3K 12K
R173.R174 1.5K 2.7K 1.5K
R175.R176 3.3K 1.8K 3.3K
T107 EC81560-010
IC104 LA1266A
IC105 LA3401
XT103
TP102
CENTER METER
CF102
T105
LP102
LP141
LP142
BUS002
D105 1SS133
D106 1SS133
D116 1SS133
CN513
CN402
CN514
TU+12V
TU+5.6V
CDIL
CDIR
-12V
TAPEL
TAPER
+12V
RECL
RECR
MICIN
A.GND
+5.6V
AMPR
AMPL
B.CUT
RESET
DECKAI
TO CN503 OF FMH-005-1 (SHEET 2/8)
TO CN412 OF FMH-005-2 (SHEET 2/8)
R409 220
S401
BEAT CUT
R470 270
+12V
-12V
STEREO

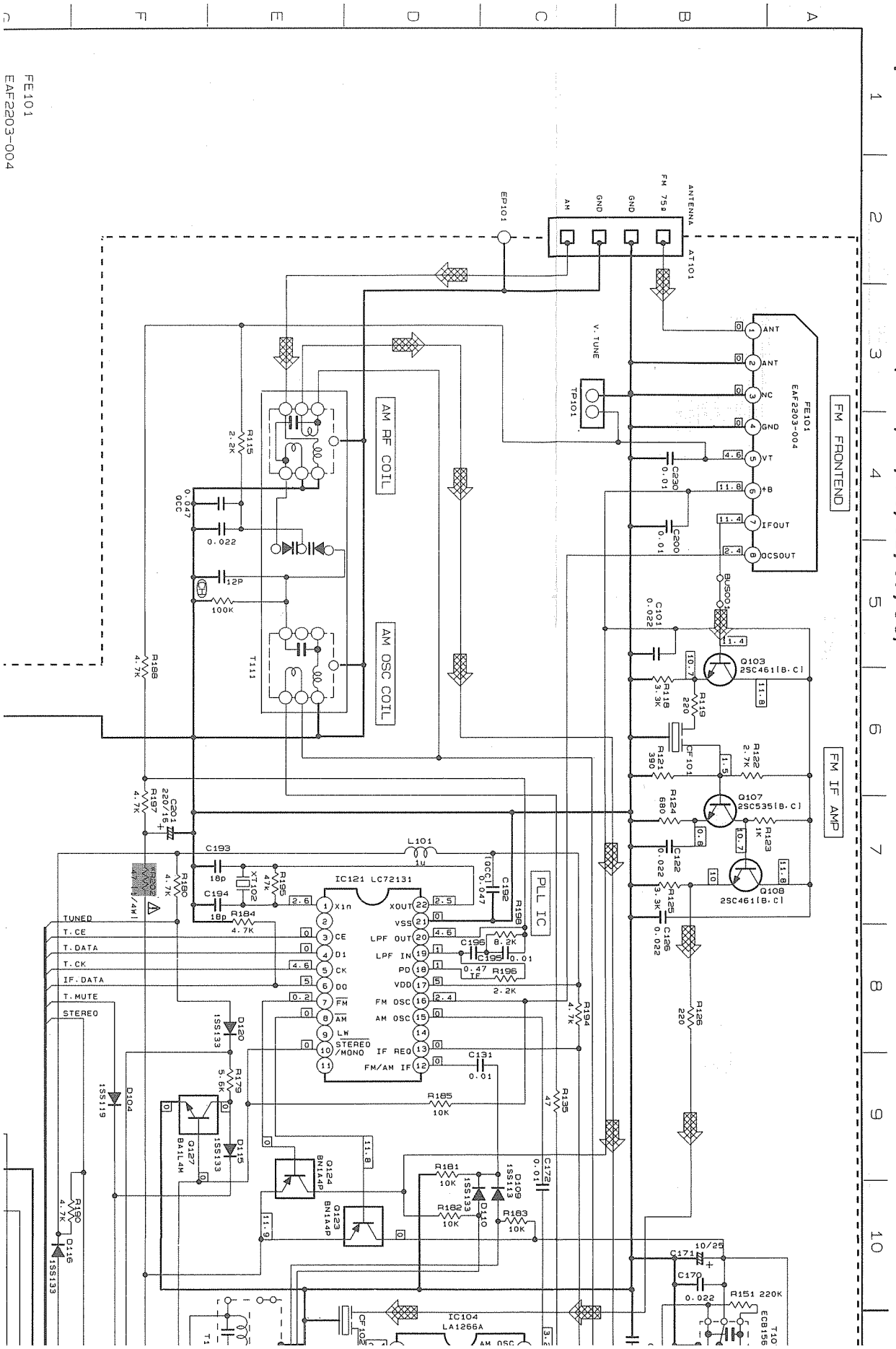
P1-60-a P1-60-b

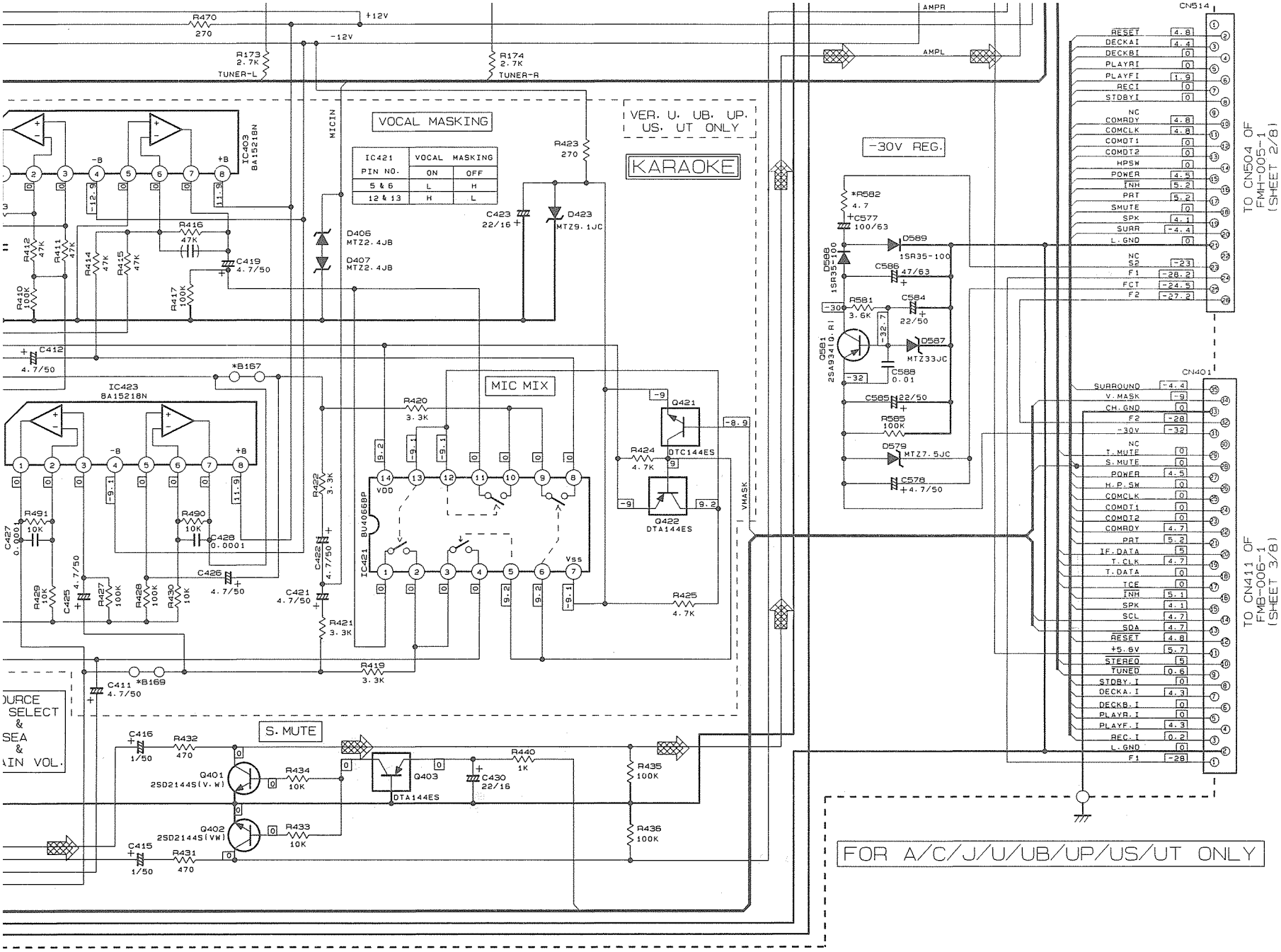


P1-60-c P1-60-d

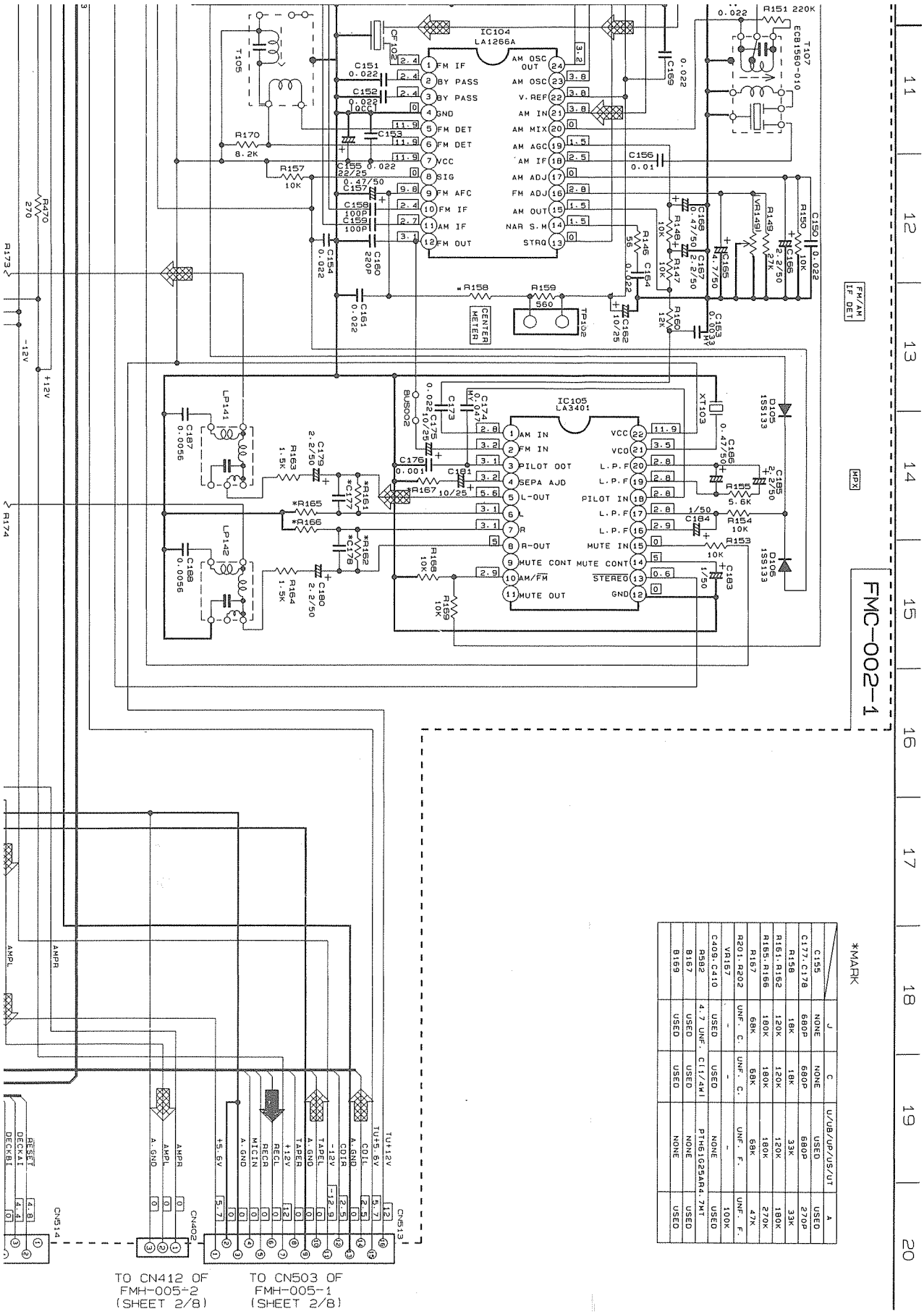

FE101
EAF2203-004
ANT
ANT
GND
VT
IF OUT
+B
OSC OUT
FET 2SK360
TR1 2SC2620
TR2 2SC2619
TR3 2SC2619
D1-D3: SVC212 OR 1SV225 HVM27
CD LPF
IC413 BA15218N
L401 2.2u
1SS133
IC401 TDA7318
VOL
VOL
TREBLE
TREBLE
BASS
BASS
ATT/MUTE
SOURCE SELECT & SEA & MAIN VOL
AUX IN
LEFT
RIGHT
J401
RECL
SDA
SCL

■ Input Selector & Tuner Section (For U, UT, UC, UB, UP, US)




VOCAL MASKING
KARAOKE
VER. U. UB. UP. US. UT ONLY
MIC MIX
S. MUTE
-30V REG.
IC403 BA15218N
IC423 BA15218N
IC421 BU4066BP
R470 270
+12V
-12V
R173 2.7K TUNER-L
R174 2.7K TUNER-R
AMPR
AMPL
MICIN
VHASK
FOR A/C/J/U/UB/UP/US/UT ONLY
TO CN504 OF FMH-005-1 (SHEET 2/8)
TO CN411 OF FMB-006-1 (SHEET 3/8)
CN514
CN401

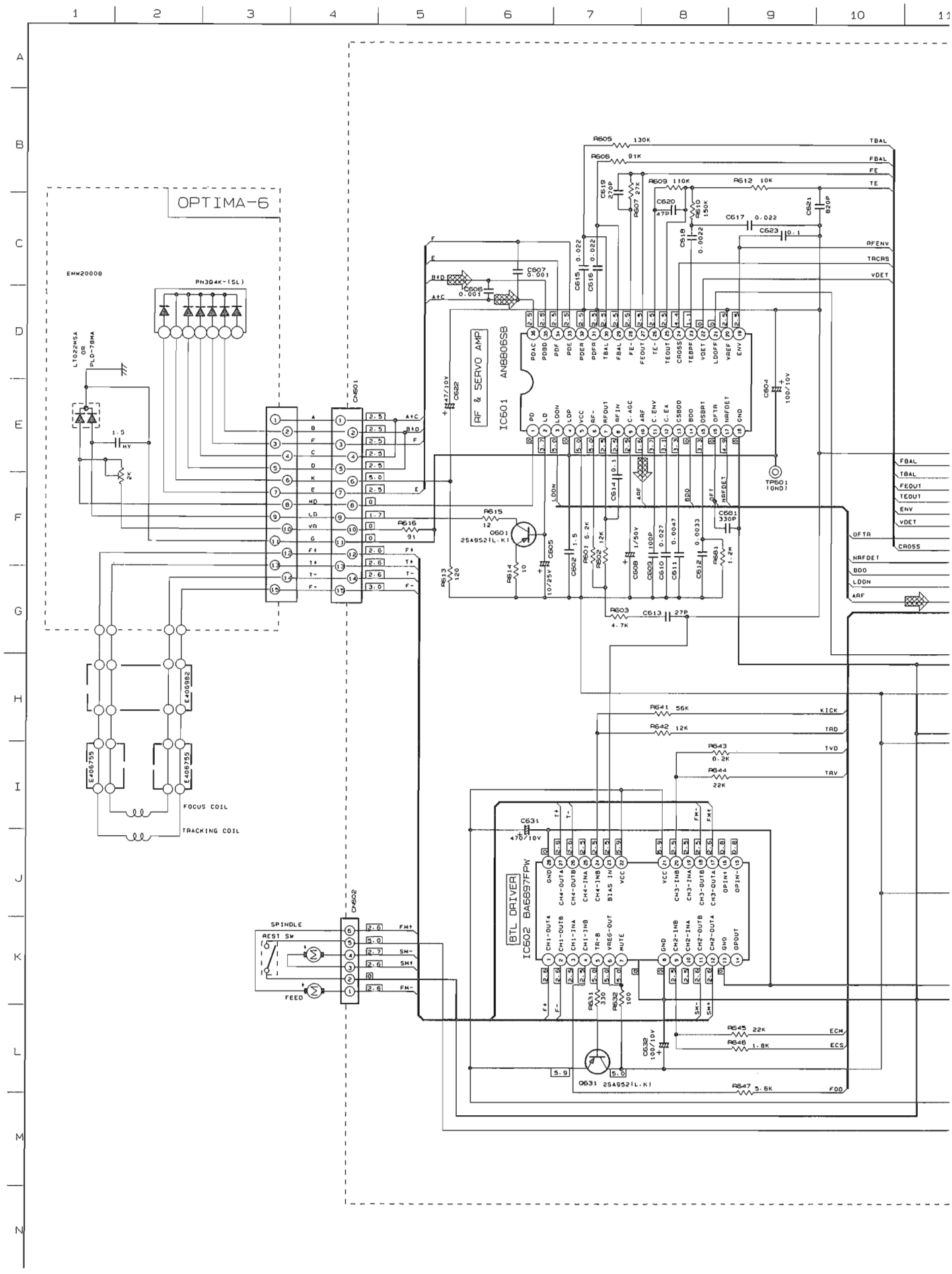
P1-60-c

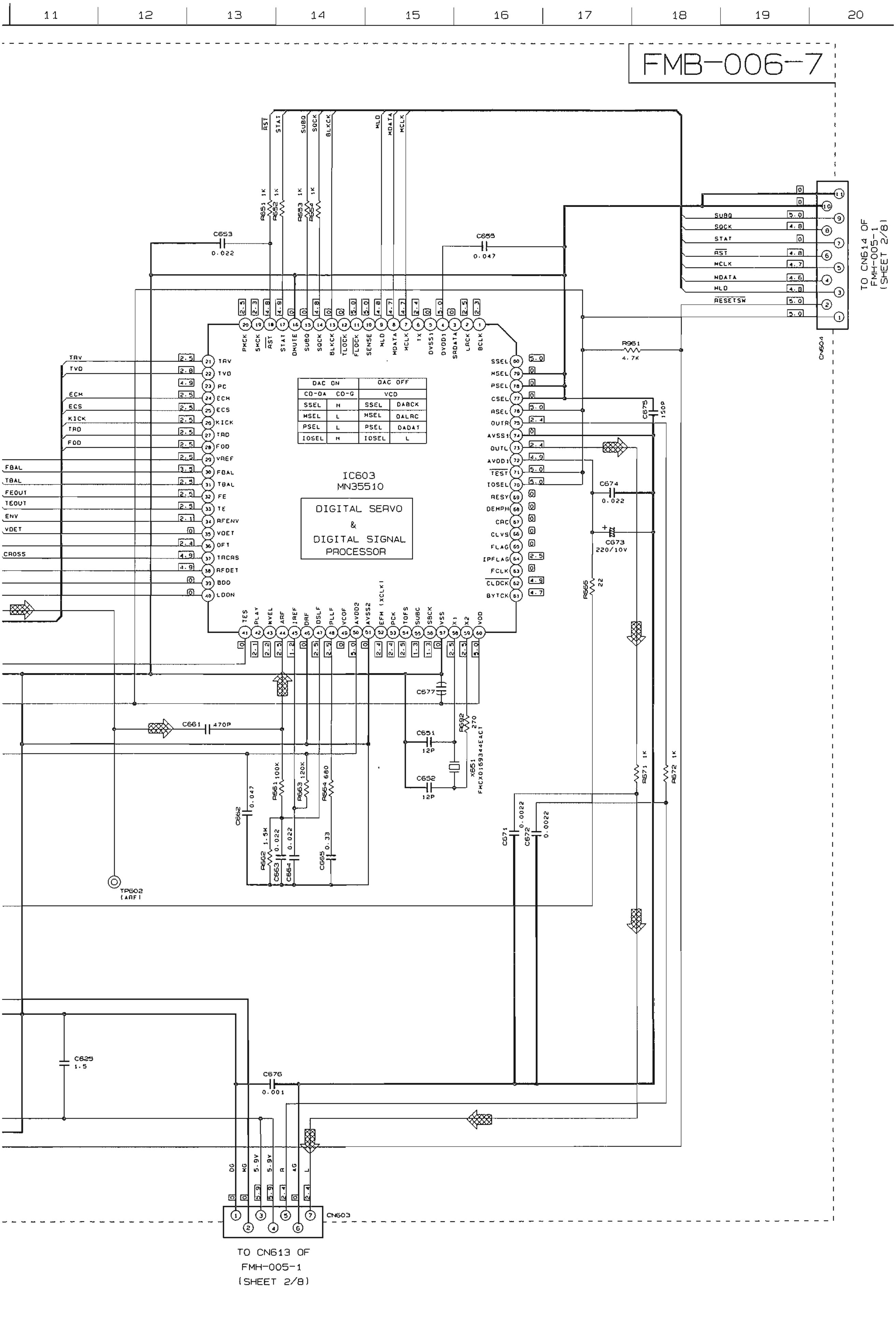


*MARK

	J	C	U/UB/UP/US/UT	A
C155	NONE	NONE	USED	USED
C177-C178	680P	680P	680P	270P
R158	18K	18K	33K	33K
R161-R162	120K	120K	120K	180K
R165-R166	180K	180K	180K	270K
R167	68K	68K	68K	47K
R201-R202	UNF. C.	UNF. C.	UNF. F.	UNF. F.
VR167	-	-	-	100K
C409-C410	USED	USED	NONE	USED
R592	4.7 UNF.	C1/4W1	PTH61025AR4.7MT	
B167	USED	USED	NONE	USED
B169	USED	USED	NONE	USED

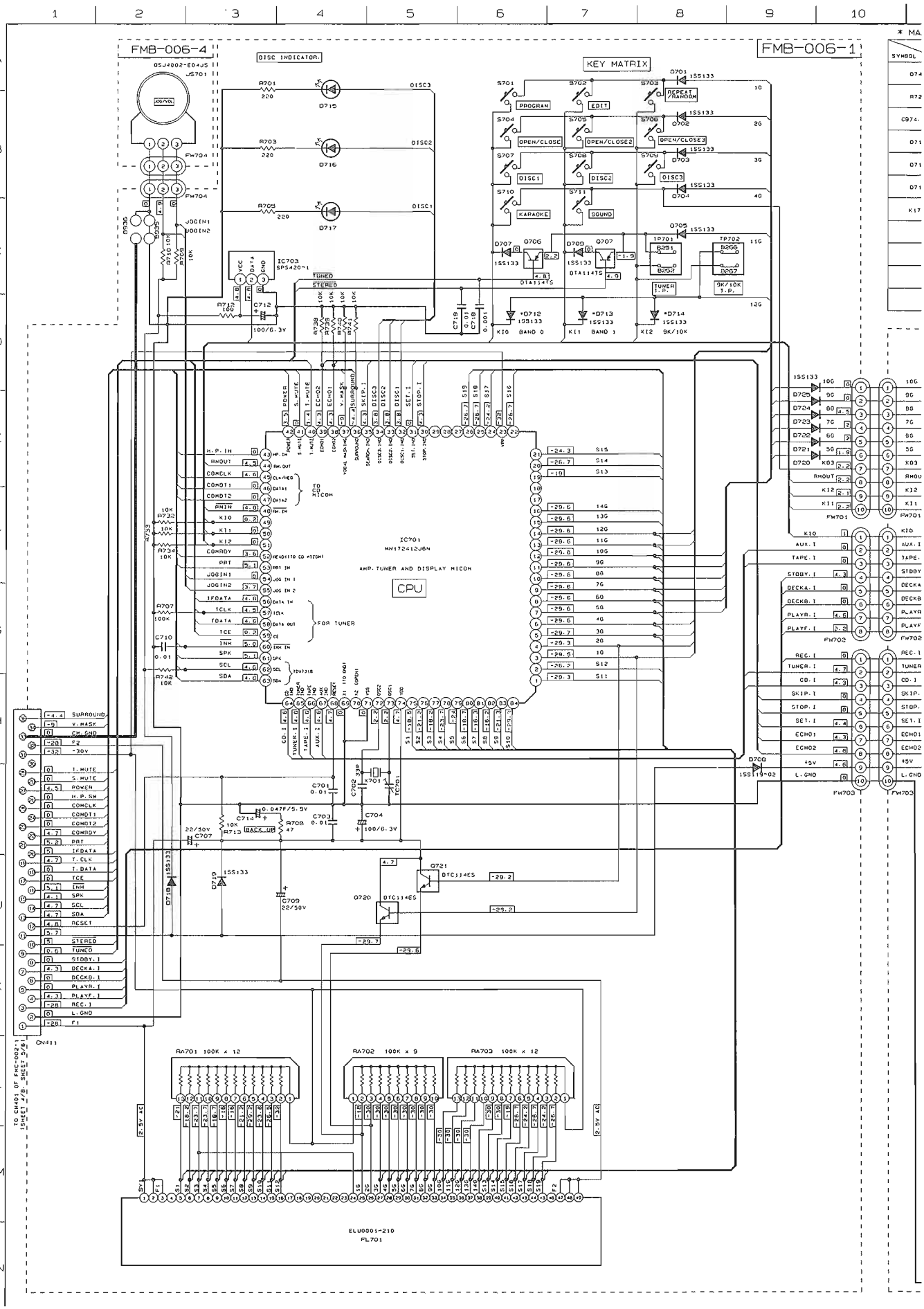
CD Section


OPTIMA-6
EMW20000
PN304K-(SL)
L1022MSA OR PLO-78MA
IC601 ANB806SB
RF & SERVO AMP
IC602 BA6897FPW
BTL DRIVER
CN601
CN602
SPINDLE
AEST SW
FEED
FOCUS COIL
TRACKING COIL
E406882
E406755
E406739
Q601 2SA952TL-K1
Q631 2SA952TL-K1
TP601 (GND)
TBAL
FBAL
FE
TE
AFENV
TRCRS
VDET
FEOUT
TEOUT
ENV
OFTR
CROSS
NRFDET
BDO
LDON
ARF
KICK
TRD
TVD
TRV
ECM
ECS
FOD



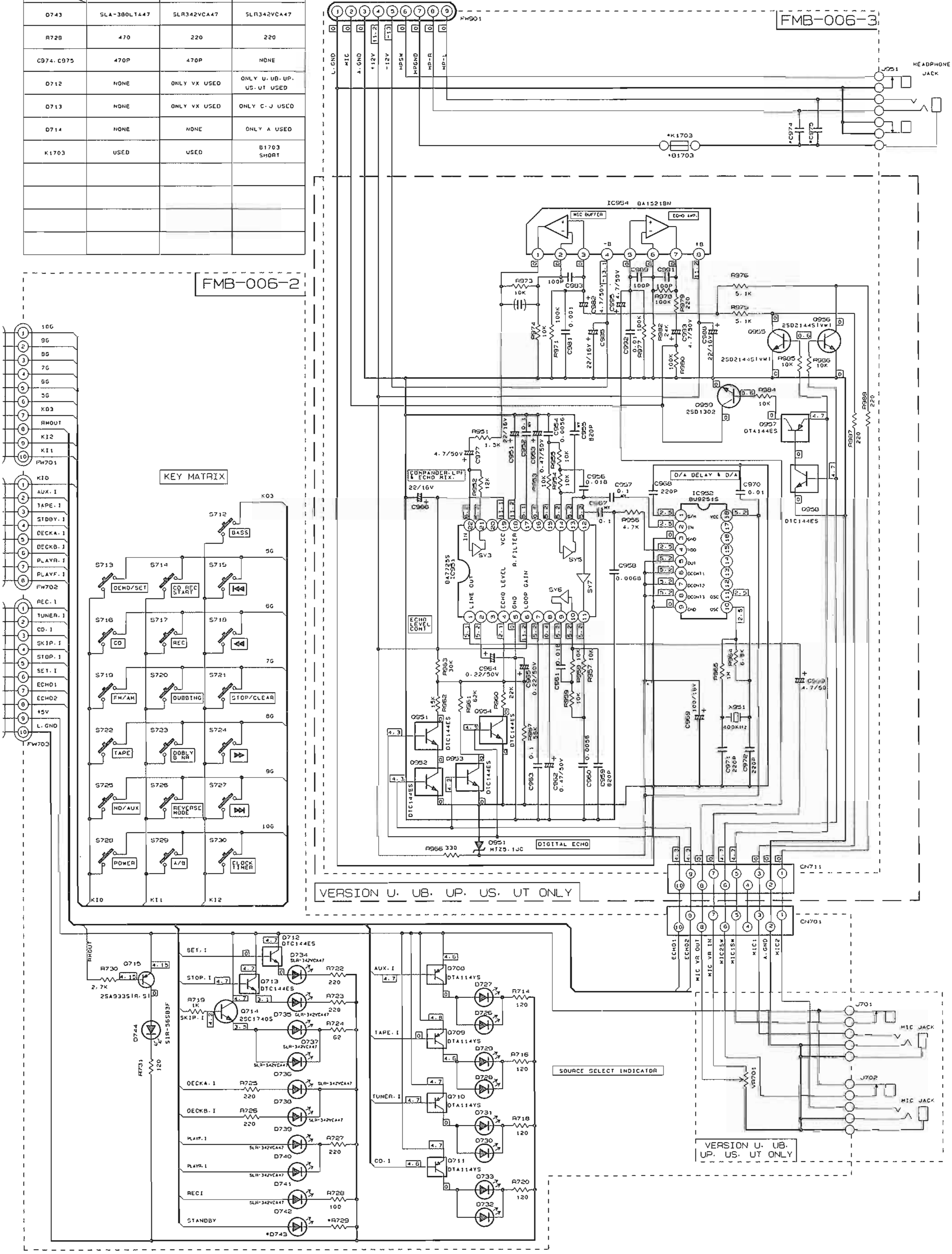
11 12 13 14 15 16 17 18 19 20
FMB-006-7
IC603
MN35510
DIGITAL SERVO
&
DIGITAL SIGNAL
PROCESSOR
TO CN614 OF
FMH-005-1
(SHEET 2/8)
CN604
CN603
TO CN613 OF
FMH-005-1
(SHEET 2/8)
TP602
(ARF)

Front & MIK AMP (For U, UT, UC, UB, UP, US)



* MARK

SYMBOL \ VER	BS	G·GI·EF·EN·VX	OTHERS
D743	SLA-380LTA47	SLR342VCA47	SLR342VCA47
R728	470	220	220
C974·C975	470P	470P	NONE
D712	NONE	ONLY VX USED	ONLY U·UB·UP·US·UT USED
D713	NONE	ONLY VX USED	ONLY C·J USED
D714	NONE	NONE	ONLY A USED
K1703	USED	USED	B1703 SHORT



11 12 13 14 15 16 17 18 19 20
TO CN901 OF FMH-005-1 (SHEET 2/8)
FMB-006-3
FW901
L.GND
MIC
A.GND
+12V
-12V
HPSW
HPGND
HP-R
HP-L
HEADPHONE JACK
J951
*K1703
*B1703
*C974
*C975
IC954 BA15218N
MIC BUFFER
ECHO AMP.
Q955
Q956
2SD2144S(VW)
Q950
2SD1302
Q957
DTA144ES
Q958
DTC144ES
COMPANDER,LPF & ECHO MIX.
IC951
D/A DELAY & D/A
IC952
BU9251S
ECHO LEVEL CONT
Q951
Q952
Q953
Q954
DTC144ES
D951
HZ5.1JC
DIGITAL ECHO
X951
400kHz
CN711
CN701
VERSION U, UB, UP, US, UT ONLY
FMB-006-2
FW701
FW702
FW703
KEY MATRIX
S712 BASS
S713 ECHO/SET
S714 CD REC START
S715
S716 CD
S717 REC
S718
S719 FM/AM
S720 DUBBING
S721 STOP/CLEAR
S722 TAPE
S723 DOLBY B NR
S724
S725 MD/AUX
S726 REVERSE MODE
S727
S728 POWER
S729 A/B
S730 CLOCK TIMER
KI0
KI1
KI2
Q715
2SA933S(R,S)
D744
SIR-56SB3F
D712
DTC144ES
Q713
DTC144ES
Q714
2SC1740S
Q708
Q709
Q710
Q711
DTA114YS
SOURCE SELECT INDICATOR
J701
J702
MIC JACK
VR701
VERSION U, UB, UP, US, UT ONLY

Changer Mech. Control Section

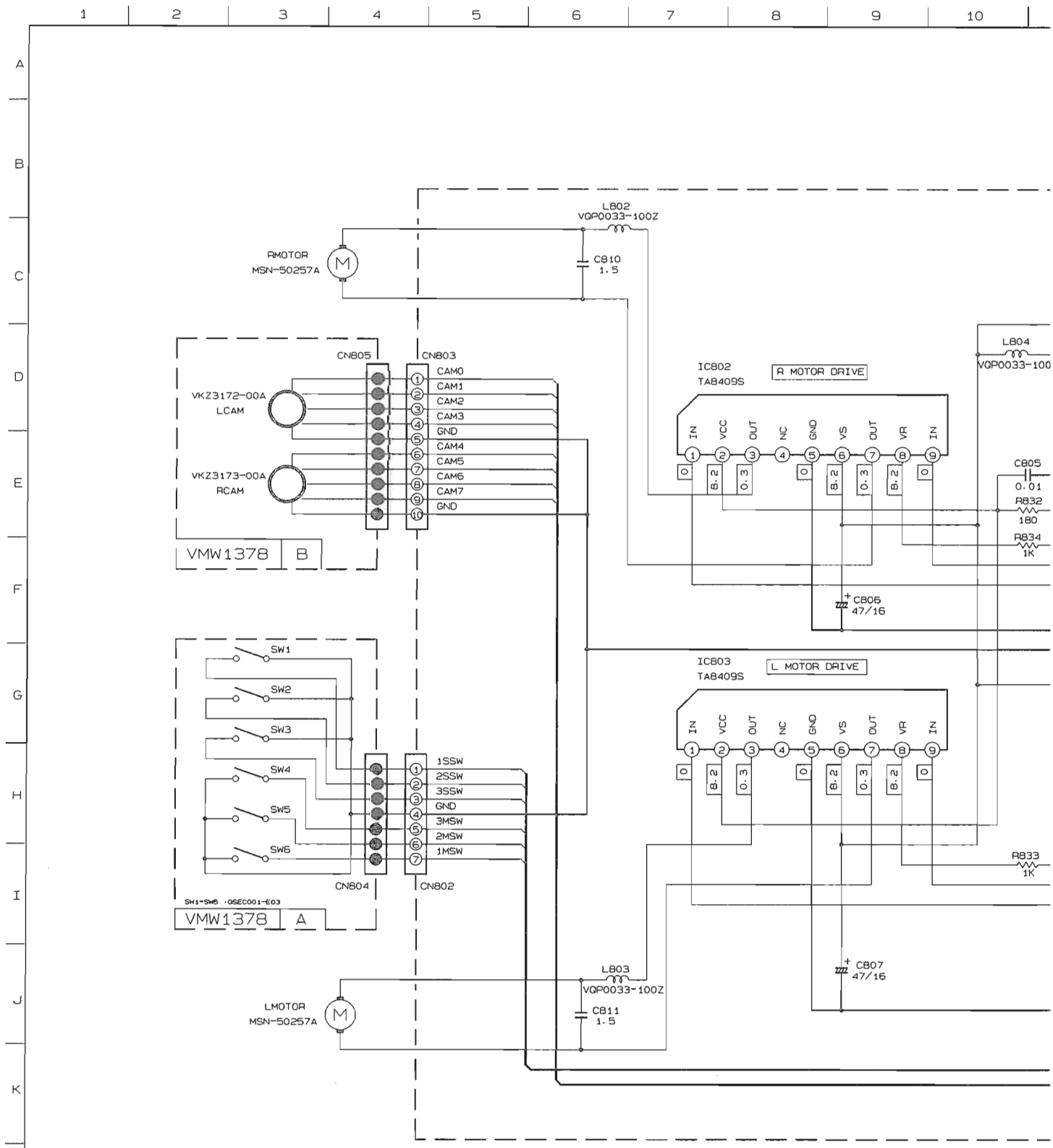
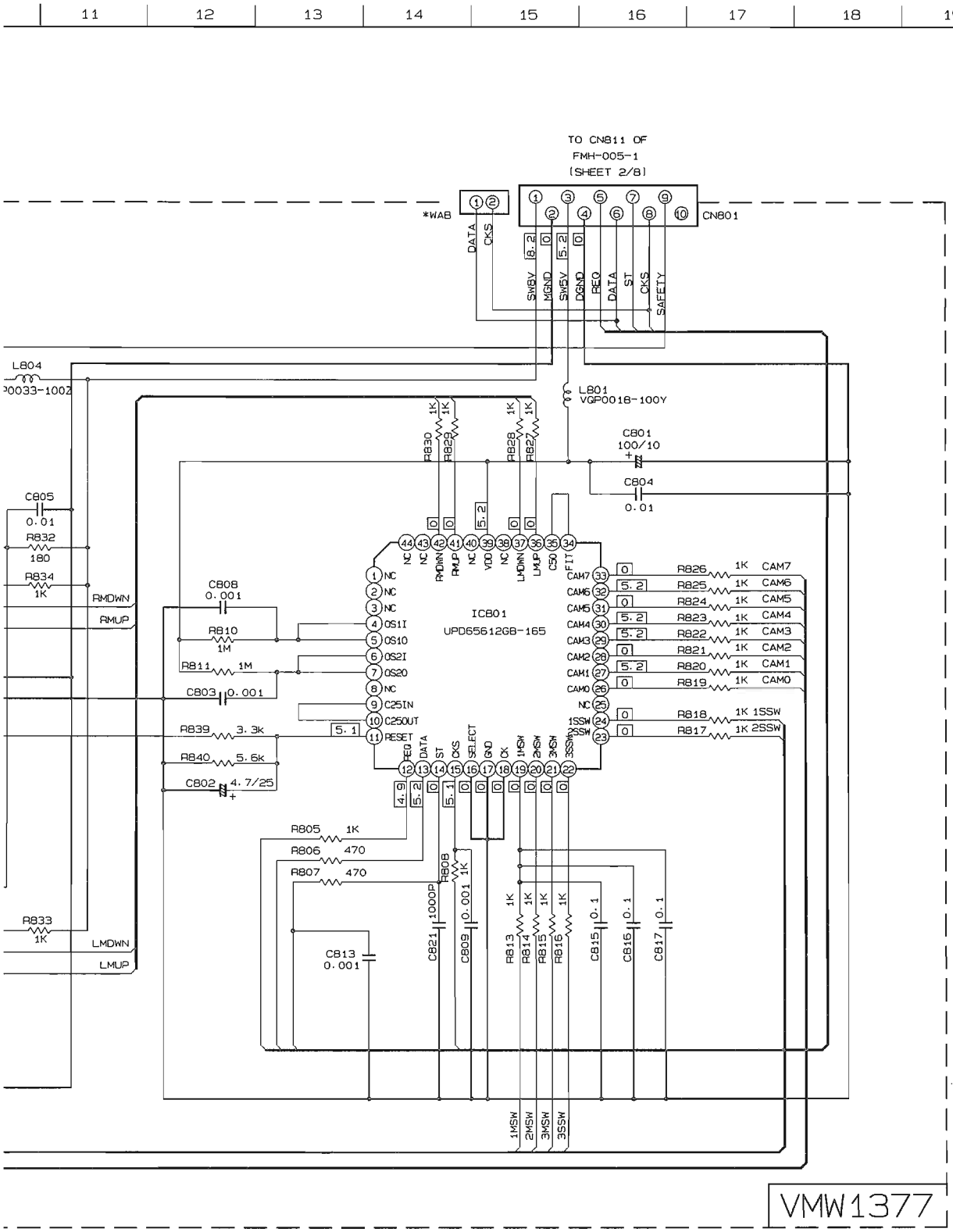


TABLE 1 CAM PATTERN LIST

CAM NO / POSITION	LCAM 0	1	2	3	OH	RCAM 4	5	6	7	POSITION
MAIN TRAY1	0	1	1	1	0	1	1	1	0	EMERGENCY
SUB TRAY1	0	0	1	1	0	1	1	0	0	TRAY1 STANDBY
CAMR 1	0	1	0	1	0	1	0	1	0	TRAY1 CHECKING
MAIN TRAY2	1	0	0	1	0	1	0	0	1	TRAY2 STANDBY
SUB TRAY2	1	1	1	0	0	0	1	1	1	TRAY2 CHECKING
CAMR 2	1	0	1	0	0	0	1	0	1	TRAY3 STANDBY
MAIN TRAY3	1	1	0	0	0	0	0	1	1	TRAY3 CHECKING
SUB TRAY3	1	0	0	0	0					
OFF	1	1	1	1	0	1	1	1	1	OFF

0=0V
1=5V


11
12
13
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17
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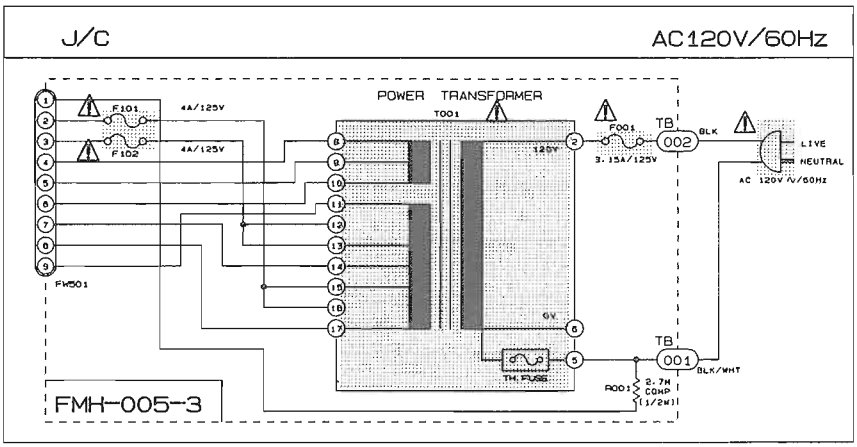
19
20
TO CN811 OF
FMH-005-1
(SHEET 2/8)
*WAB
CN801
DATA
CKS
SWBV
MGND
SW5V
DGND
REQ
DATA
ST
CKS
SAFETY
L804
L801
VQP0018-100Y
C801
100/10
C804
0.01
C805
0.01
R832
180
R834
1K
RMDWN
RMUP
C808
0.001
R810
1M
R811
1M
C803
0.001
R839
3.3k
R840
5.6k
C802
4.7/25
IC801
UPD65612GB-165
NC
OSII
OS1O
OS2I
OS2O
C25IN
C250UT
RESET
CAM7
CAM6
CAM5
CAM4
CAM3
CAM2
CAM1
CAM0
1SSW
2SSW
FIT
R826
R825
R824
R823
R822
R821
R820
R819
R818
R817
R805
R806
R807
R808
C821
C809
C813
0.001
R813
R814
R815
R816
C815
C816
C817
R833
LMDWN
LMUP
1MSW
2MSW
3MSW
3SSW
VMW1377

■ Power Supply BLOCK.

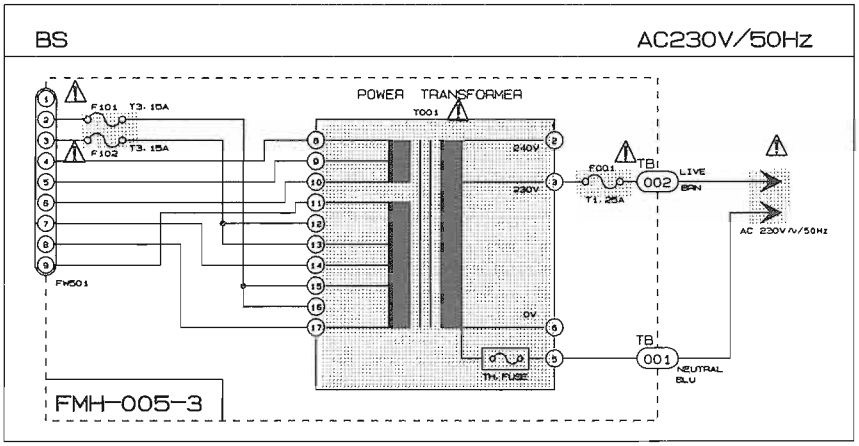
POWER SUPPLY BLOCK

J/C AC120V/60Hz



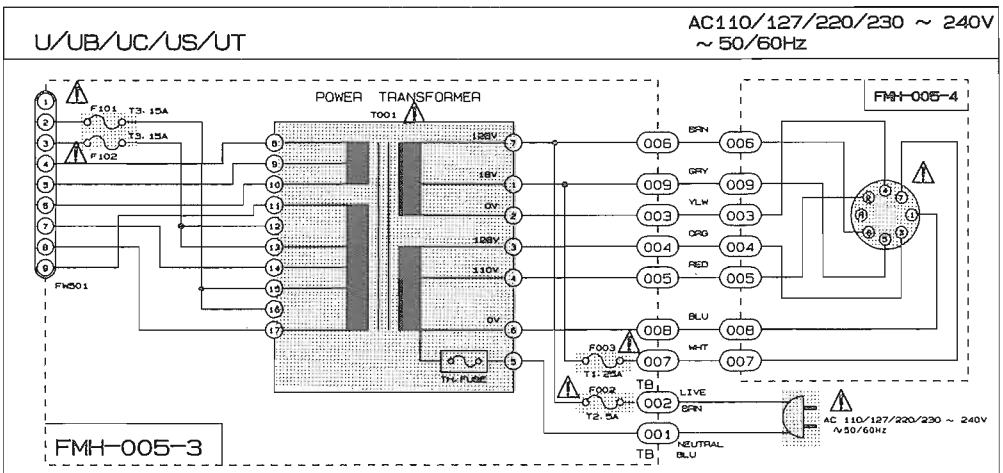
POWER SUPPLY BLOCK

BS AC230V/50Hz

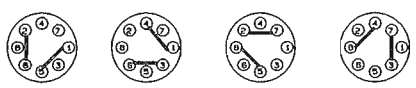


POWER SUPPLY BLOCK

U/UB/UC/US/UT AC110/127/220/230 ~ 240V ~ 50/60Hz

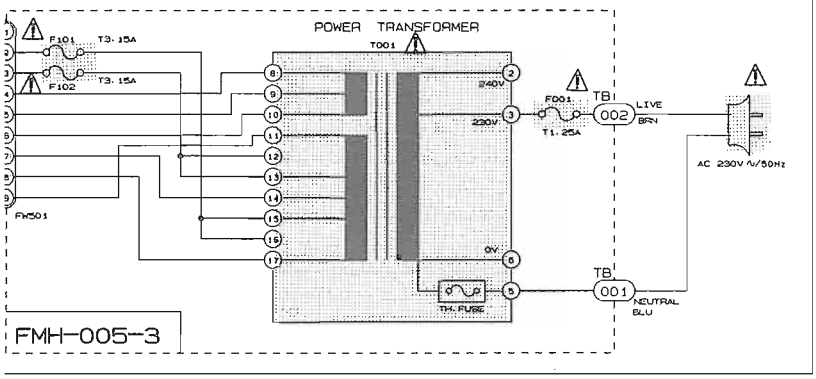


VOLTAGE SELECTOR LOCATION



OWER SUPPLY BLOCK

EF/EN/G/GI/VX — AC230V/50Hz

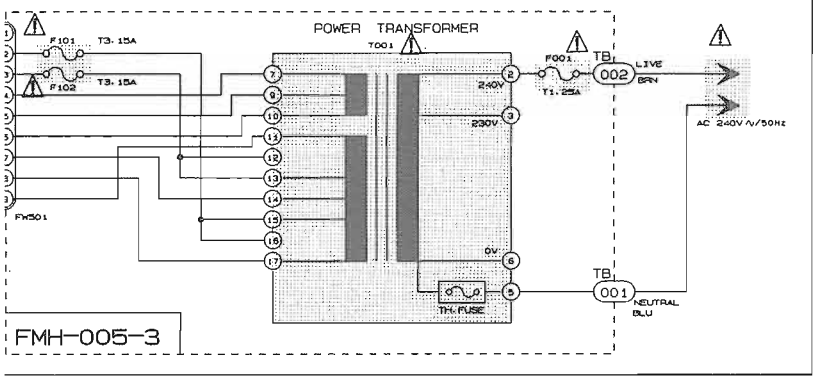


VERSION CODES:

J	U.S.A.
C	CANADA
EN	NORDIC COUNTRIES
EF	CONTINENTAL EUROPE EXCEPT GERMANY AND ITALY
G	GERMANY
GI	ITALY
VX	EASTERN EUROPE
BS	U.K.
A	AUSTRALIA
UP	KOREA
UB	HONG KONG
US	SINGAPORE
UT	TAIWAN
U	UNIVERSAL EXCEPT ALL OF ABOVES

OWER SUPPLY BLOCK

A — AC240V/50Hz



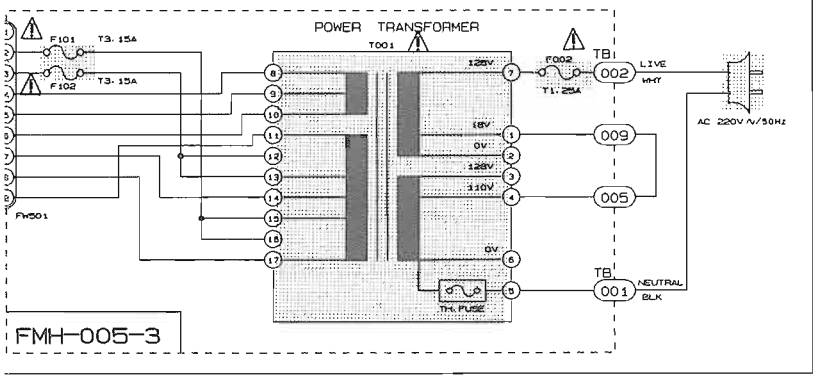
EXPLANATION OF OVERALL SCHEMATIC

MODEL CA-D4T

SHEET NUMBER	MODEL NUMBERS	CIRCUITS DESCRIPTION
1/8	CA-D4T	PRIMARY WITH MAINS TRANSFORMER
2/8	CA-D4T	·DECK/CD CONTROL MICOM ·POWER AMPLIFIER ·DC REGULATORS
3/8	CA-D4T	·AMP. TUNER AND DISPLAY CONTROL MICOM ·FL AND USER CONTROL KEYS ·DIGITAL ECHO (ONLY FOR U/UB/UP/US/UT)
4/8	CA-D4T	·TUNER RF/IF/FM MULTIPLEX (ONLY FOR A/C/J/U/UB/UP/US/UT) ·SIGNAL INPUT JACK. SOURCE SELECT. SEA AND MAIN VOL. ·KARAOKE (ONLY FOR U/UB/UP/US/UT) ·-30V REGULATOR
5/8	CA-D4T	·TUNER RF/IF/FM MULTIPLEX (ONLY FOR BS/EF/EN/G/GI/VX) ·SIGNAL INPUT JACK. SOURCE SELECT. SEA AND MAIN VOL. ·-30V REGULATOR
6/8	CA-D4T	MISCELLANEOUS CIRCUIT FOR TAPE DECK SUCH AS AMPLIFIER. SWITCH. BIAS AND OTHERS
7/8	CA-D4T	DIGITAL SERVO AND DIGITAL SIGNAL PROCESSOR FOR CD
8/8	CA-D4T	CD MECHANISM CONTROL

OWER SUPPLY BLOCK

JP — AC220V/50Hz

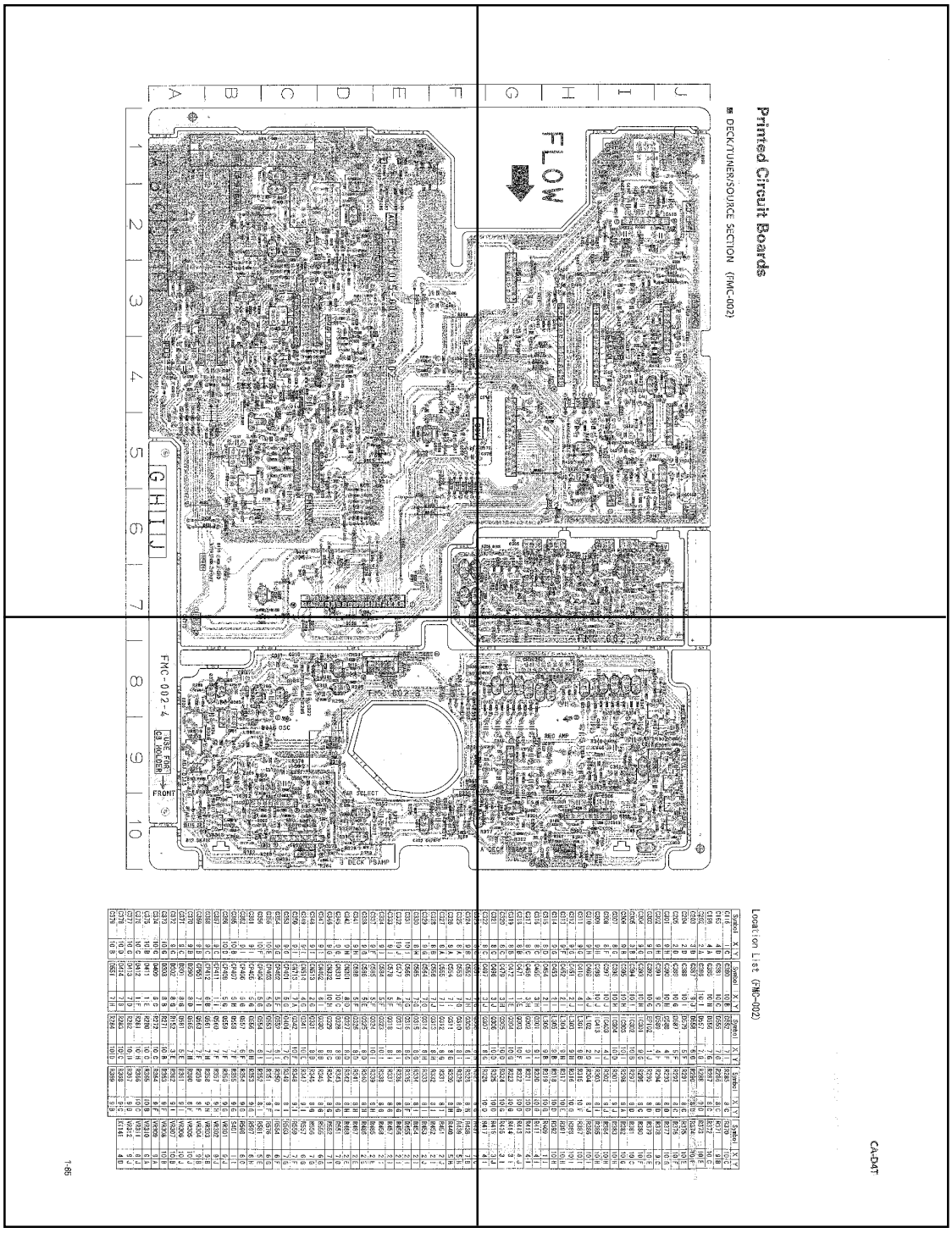


NOTES:

1. MARK (*) IS TO SHOW DEVIATION IN VERSIONS. DETAILS ARE EXPLAINED NEAR THE MARK.

P1-65-a

P1-65-b



P1-65-c

P1-65-d

FMW1015-002 FMC-002
FM FRONTEND
AM RF/OSC
FM/AM IF-DET
FM MPX
AUX
-30V
-12V
EP101
JW01
CN401
CN713
TP401
TP104
L401
L101
XT102
XT103
IC104
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Q107
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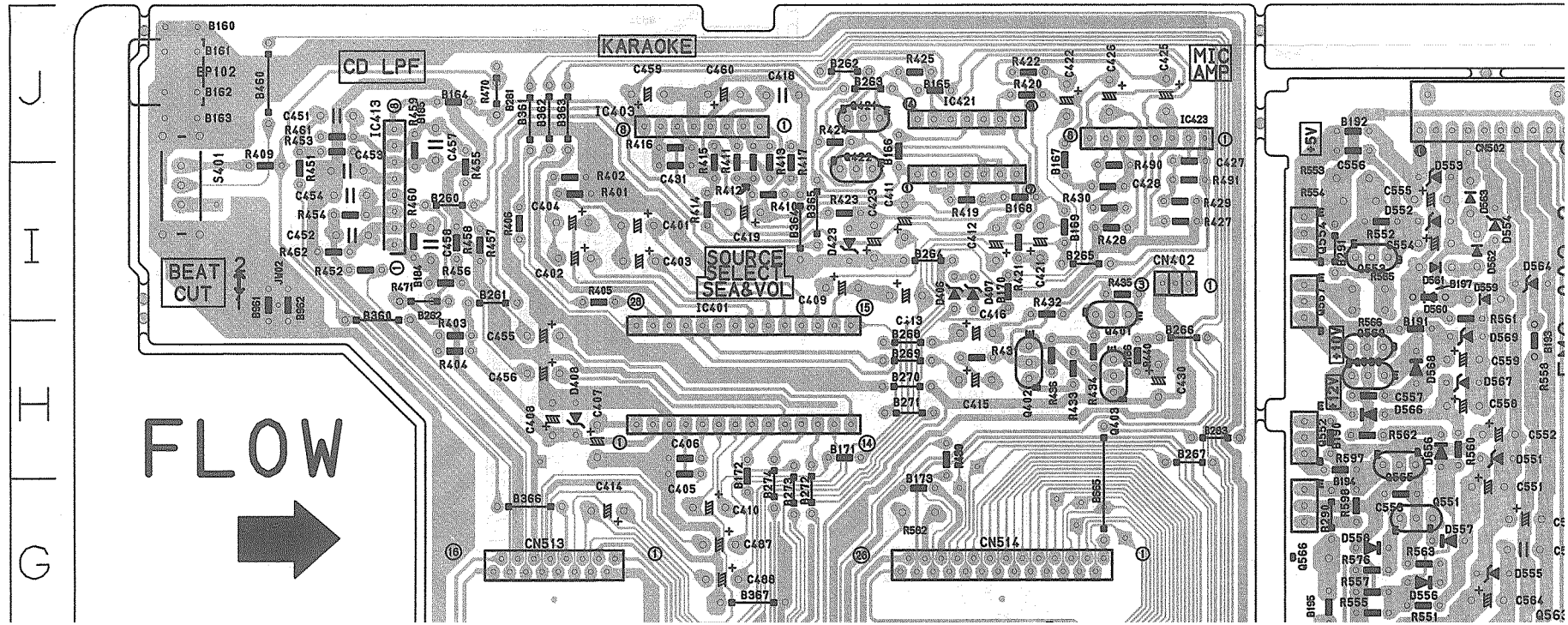
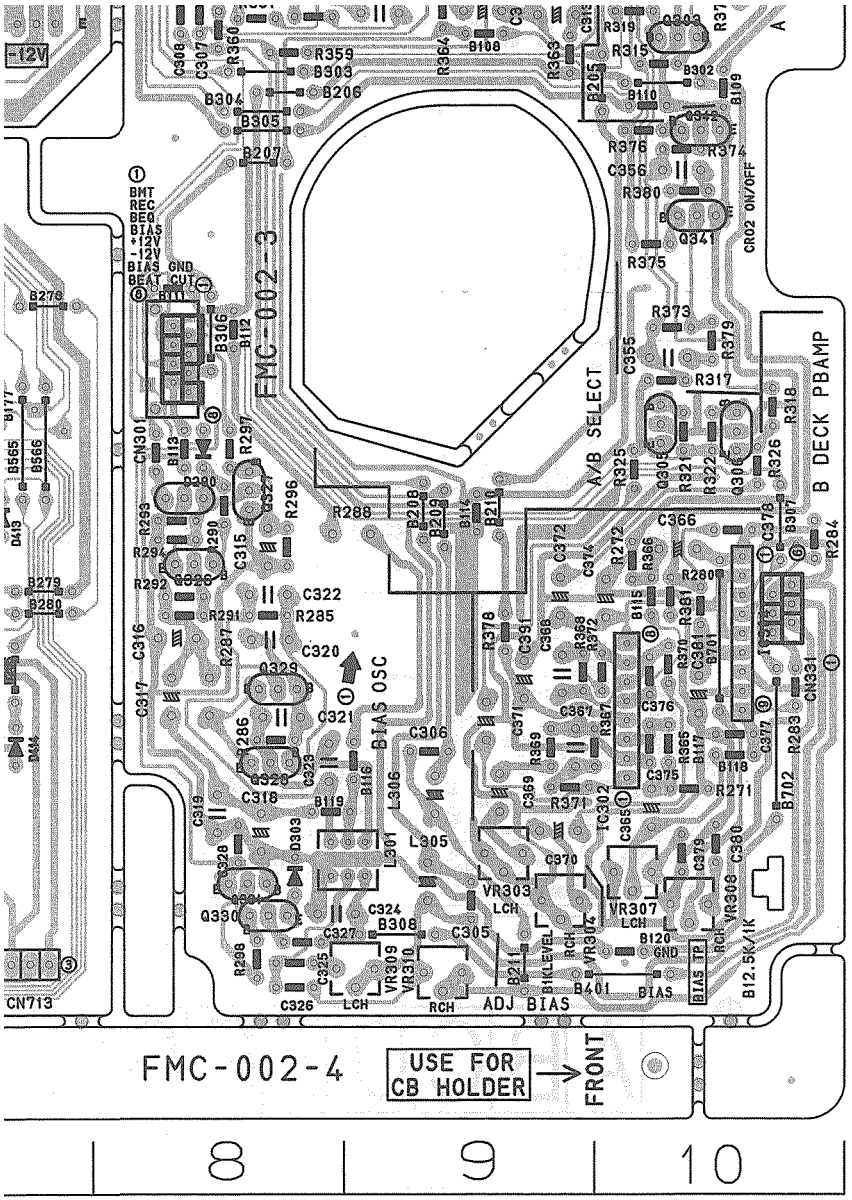
P1-65-a

Printed Circuit Boards

■ DECK/TUNER/SOURCE SECTION (FMC-002)





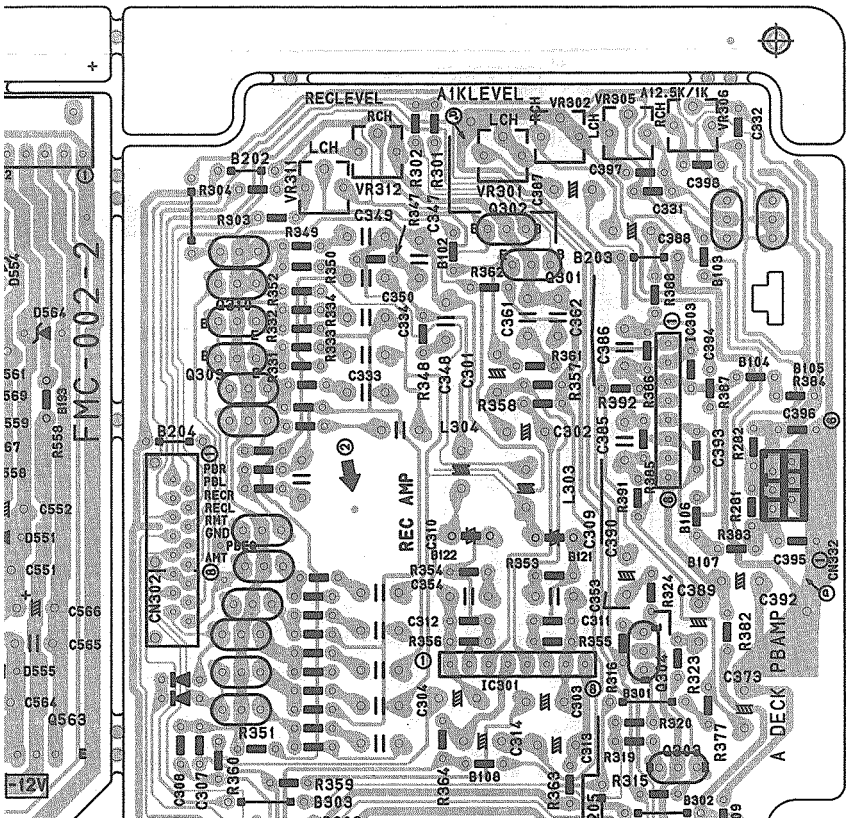
C322	8	C
C323	8	C
C324	9	B
C325	8	A
C326	8	A
C327	8	A
C328	8	B
C329	9	G
C330	8	H
C331	10	I
C332	10	J
C333	9	I
C334	9	I
C337	9	F
C338	9	G
C341	9	H
C342	9	H
C345	9	G
C346	9	G
C347	9	I
C348	9	I
C349	9	I
C350	9	I
C353	9	G
C354	9	G
C355	10	E
C356	10	F
C361	9	I
C362	9	I
C365	10	B
C366	10	D
C367	9	C
C368	9	C
C369	9	B
C370	9	B
C371	9	C
C372	9	C
C373	10	G
C374	10	C
C375	10	B
C376	10	C
C377	10	C
C378	10	D
C379	10	B

C497	3	J
C551	7	G
C552	7	H
C553	7	G
C554	7	I
C555	7	I
C556	7	J
C564	7	G
C565	7	G
C566	7	G
C577	4	F
C578	5	F
C584	5	F
C585	5	F
C586	5	E
C588	5	F
CN301	8	D
CN331	10	C
CN332	10	H
CN402	6	I
CN513	2	G
CN514	4	G
CN713	7	A
CP401	5	G
CP402	5	F
CP403	5	G
CP404	5	G
CP405	5	G
CP406	5	G
CP407	5	H
CP408	5	G
CP411	1	I
CP412	6	B
CP551	7	I
D290	8	D
D301	8	G
D302	8	G
D303	8	B
D409	6	C
D411	1	E
D412	1	F
D413	7	D
D414	7	B
D551	7	H

Q307	8	G
Q308	8	H
Q309	8	I
Q310	8	I
Q311	8	G
Q312	8	G
Q313	8	H
Q314	8	H
Q315	8	G
Q316	8	G
Q317	8	I
Q318	8	I
Q323	10	I
Q324	10	I
Q325	8	D
Q326	8	D
Q327	8	D
Q328	8	B
Q329	8	C
Q330	8	B
Q331	8	B
Q341	10	E
Q342	10	F
Q404	7	C
Q552	6	I
Q553	7	I
Q554	6	I
Q556	6	H
Q557	6	F
Q558	7	F
Q559	7	F
Q560	7	F
Q561	7	H
Q563	7	F
Q565	7	H
Q581	5	E
R152	3	E
R271	10	B
R272	10	C
R280	10	C
R281	10	H
R282	10	H
R283	10	C
R284	10	D

R326	10	D
R327	8	G
R328	8	H
R329	8	G
R330	8	H
R331	8	I
R332	8	I
R333	8	I
R334	8	I
R335	8	F
R336	8	G
R337	8	G
R338	8	G
R339	8	H
R340	8	H
R341	8	H
R342	8	H
R343	8	G
R344	8	G
R345	8	G
R346	8	G
R347	9	I
R348	9	I
R349	8	I
R350	8	I
R351	8	F
R352	8	I
R353	9	G
R354	9	G
R355	9	G
R356	9	G
R357	9	H
R358	9	H
R359	8	F
R360	8	F
R361	9	I
R362	9	I
R363	9	F
R364	9	F
R365	10	B
R366	10	C
R367	9	B
R368	9	C
R369	9	B

R417	4	I
R437	7	C
R438	7	B
R439	5	H
R440	5	H
R451	2	J
R452	2	I
R453	2	J
R454	2	I
R455	2	I
R456	2	I
R457	2	I
R458	2	I
R485	2	E
R486	2	E
R487	2	E
R488	2	E
R551	7	G
R552	7	I
R555	6	G
R556	7	G
R557	6	G
R559	7	F
R563	7	G
R564	6	F
R576	6	G
R581	5	E
R597	6	H
R598	6	G
S401	1	I
VR301	9	J
VR302	9	J
VR303	9	B
VR304	9	B
VR305	10	J
VR306	10	J
VR307	10	B
VR308	10	B
VR309	9	A
VR310	9	A
VR311	8	J
VR312	9	J
XT141	4	D



Location List (FMC-002)

Symbol	X	Y
C116	1	C
C163	4	D
C196	4	A
C202	2	A
C203	3	D
C204	2	D
C205	2	D
C301	9	H
C302	9	H
C303	9	G
C304	9	G
C305	9	B
C306	9	B
C307	8	G
C308	8	F
C309	9	H
C310	9	H
C311	9	G
C312	9	G
C313	9	F
C314	9	G
C315	8	D
C316	8	C
C317	8	C
C318	8	B
C319	8	B
C320	8	C
C321	8	C
C322	8	C
C323	8	C
C324	9	B

Symbol	X	Y
C380	10	B
C381	10	C
C385	10	H
C386	10	I
C387	9	J
C388	10	I
C389	10	G
C390	10	H
C391	9	C
C392	10	G
C393	10	H
C394	10	I
C395	10	H
C396	10	H
C397	10	J
C398	10	J
C409	4	J
C410	4	I
C451	2	J
C452	2	I
C453	2	I
C454	2	I
C455	3	H
C456	3	H
C471	1	E
C472	1	E
C479	3	H
C496	3	J
C497	3	J
C551	7	G
C552	7	H

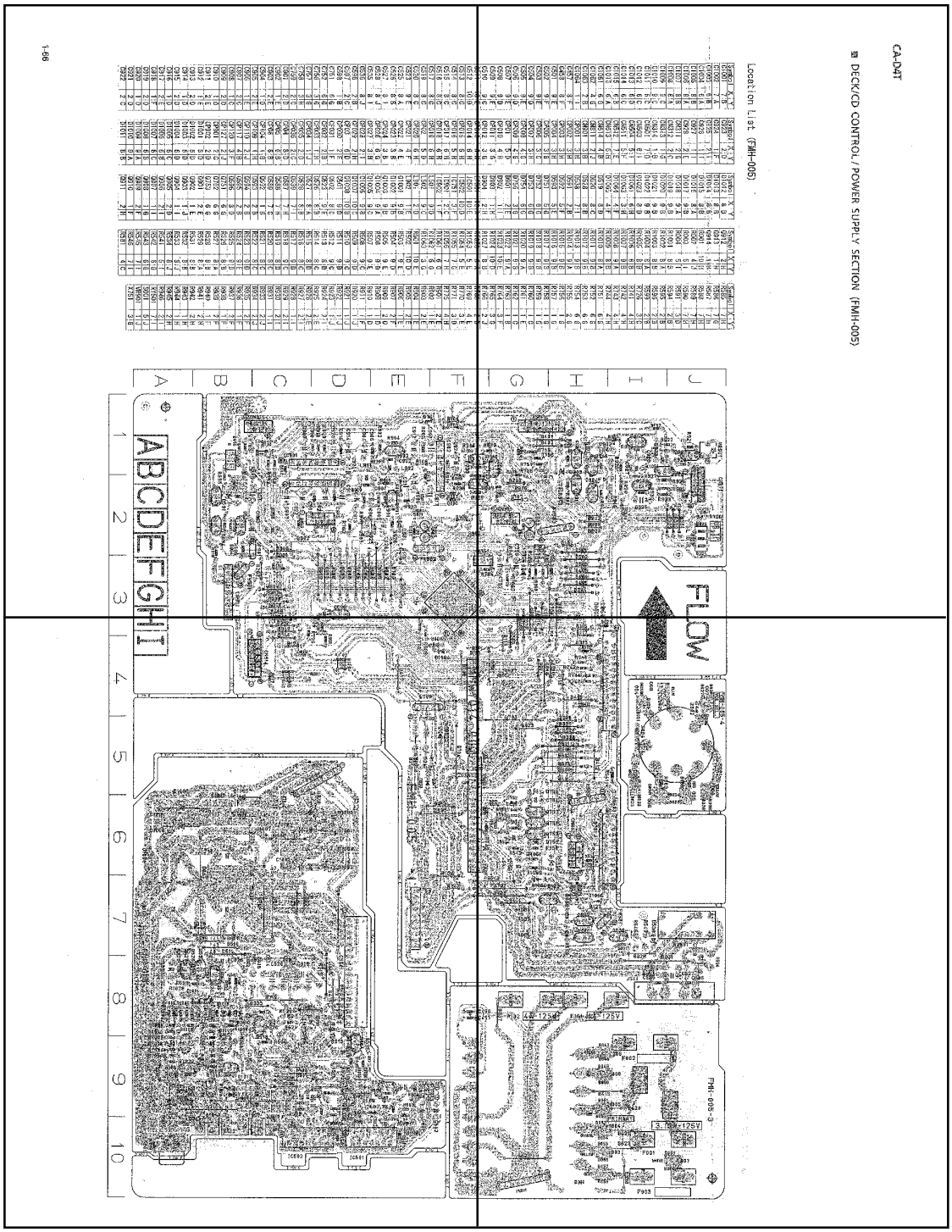
Symbol	X	Y
D552	7	I
D555	7	G
D556	7	G
D557	7	G
D558	6	G
D579	5	F
D587	5	F
D588	4	F
D589	4	F
EP102	1	J
IC301	9	G
IC302	10	B
IC303	10	I
IC304	10	D
IC403	4	J
IC413	2	I
L102	2	D
L301	9	B
L303	9	H
L304	9	H
L305	9	B
L306	9	B
Q301	9	I
Q302	9	I
Q303	10	F
Q304	10	G
Q305	10	D
Q306	10	D
Q307	8	G
Q308	8	H
Q309	8	I

Symbol	X	Y
R285	8	C
R286	8	C
R287	8	C
R288	9	D
R290	8	D
R291	8	C
R292	8	C
R293	8	D
R294	8	D
R295	8	D
R296	8	C
R297	8	D
R298	8	A
R301	9	J
R302	9	J
R303	8	I
R304	8	J
R315	10	F
R316	10	G
R317	10	E
R318	10	D
R319	10	G
R320	10	G
R321	10	D
R322	10	D
R323	10	G
R324	10	G
R325	10	D
R326	10	D
R327	8	G
R328	8	H

Symbol	X	Y
R370	10	C
R371	9	B
R372	10	C
R373	10	E
R374	10	F
R375	10	E
R376	10	F
R377	10	G
R378	9	C
R379	10	E
R380	10	F
R381	10	C
R382	10	G
R383	10	H
R384	10	H
R385	10	H
R386	10	I
R387	10	I
R388	10	H
R391	10	H
R392	10	H
R409	1	I
R411	4	I
R412	4	I
R413	4	J
R414	3	I
R415	3	I
R416	3	J
R417	4	I
R437	7	C
R438	7	B

P1-66-a

P1-66-b



P1-66-c

P1-66-d

C510	9	C
C511	10	E
C512	10	D
C513	8	C
C514	8	C
C515	8	C
C516	8	C
C517	8	C
C519	8	C
C520	8	C
C523	9	E
C525	8	A
C526	8	B
C527	8	I
C528	8	J
C535	8	I
C536	8	J
C596	2	B
C597	2	C
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C751	6	G
C752	6	G
C756	3	G
C757	3	G
C758	3	H
C759	2	C
C901	2	D
C902	1	E
C903	2	E
C904	1	D
C905	2	E
C906	1	E
C907	2	C
C908	1	C
C909	2	D
C910	1	D
C911	2	E
C912	1	E
C913	2	D
C914	1	D
C915	2	D
C916	1	D
C917	2	E
C918	1	F
C919	2	D
C920	1	D
C921	2	D
C922	2	C

CP012	3	G
CP013	6	H
CP014	6	H
CP015	6	H
CP016	5	H
CP017	6	H
CP018	6	H
CP019	6	H
CP02	5	D
CP020	6	H
CP021	4	F
CP022	4	E
CP023	3	B
CP024	3	B
CP026	6	G
CP027	3	H
CP028	2	I
CP029	2	H
CP03	6	D
CP030	2	E
CP031	1	F
CP032	2	B
CP033	1	H
CP034	1	J
CP035	2	D
CP036	2	C
CP04	8	D
CP05	6	B
CP06	6	B
CP104	1	B
CP109	1	H
CP110	2	J
CP117	4	B
CP120	3	F
CP127	2	J
CP901	2	C
CP902	2	D
D1001	6	D
D1002	6	D
D1003	6	D
D1004	6	D
D1005	6	C
D1006	6	B
D1007	6	C
D1008	6	B
D1009	9	A
D1010	9	A
D1011	8	B

D904	2	H
EP501	10	A
IC501	10	E
IC502	10	D
IC751	3	F
IC901	2	C
IC902	1	F
L501	9	D
L502	9	C
L901	2	D
L902	1	E
Q1001	9	B
Q1002	9	B
Q1003	9	B
Q1004	9	A
Q1005	9	C
Q1006	9	B
Q1007	10	C
Q1008	10	B
Q501	9	D
Q502	8	C
Q523	9	E
Q526	8	B
Q527	8	A
Q528	8	B
Q539	7	I
Q587	7	H
Q588	7	H
Q589	7	G
Q592	1	B
Q593	2	B
Q594	2	B
Q595	2	B
Q596	3	D
Q751	6	G
Q752	6	G
Q753	6	G
Q901	2	E
Q902	1	E
Q903	1	J
Q904	1	I
Q905	2	D
Q906	2	I
Q907	1	I
Q908	1	G
Q909	2	F
Q910	1	F
Q911	2	H

R1027	8	B
R1028	8	A
R1053	5	E
R1054	5	E
R1055	7	G
R1056	7	H
R1061	6	G
R1062	6	G
R1063	3	G
R501	10	E
R502	10	D
R503	9	E
R504	9	D
R505	9	E
R506	9	D
R507	9	E
R508	9	C
R509	9	D
R510	9	C
R511	9	D
R512	9	C
R513	8	D
R514	8	C
R515	8	D
R516	8	C
R517	9	D
R518	9	C
R519	8	D
R520	8	C
R521	8	C
R522	8	C
R523	9	D
R524	9	E
R525	9	D
R526	8	B
R527	8	A
R528	8	B
R529	8	A
R531	8	B
R532	8	B
R533	8	J
R534	8	J
R541	5	I
R542	6	G
R543	6	G
R545	7	I
R546	7	I
R581	4	C

R766	2	J
R768	2	D
R769	4	E
R770	3	E
R771	3	D
R775	4	H
R901	2	E
R902	1	E
R903	2	E
R904	1	E
R905	2	E
R906	1	E
R907	2	F
R908	2	D
R909	1	D
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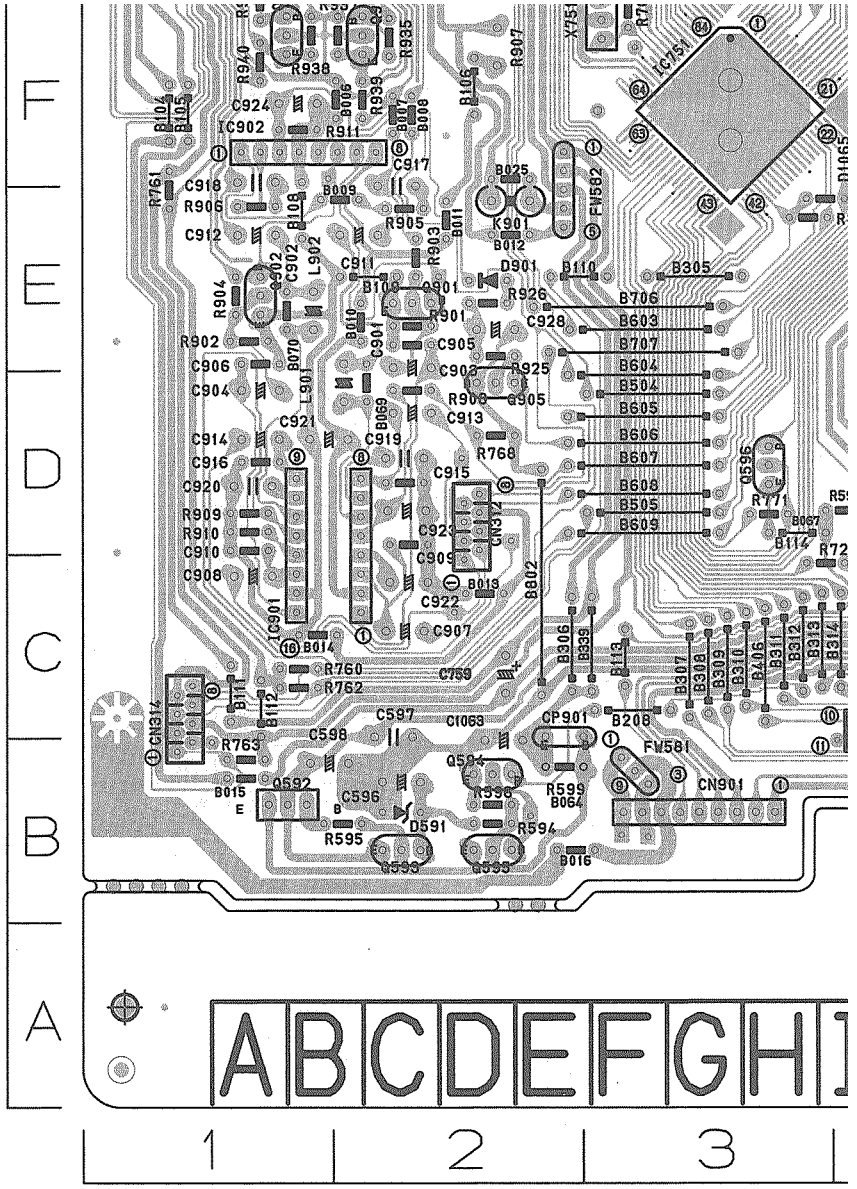
R911	1	F
R920	1	J
R921	1	J
R922	1	J
R923	1	J
R924	2	I
R925	2	E
R926	2	E
R927	2	I
R928	1	I
R929	2	I
R930	2	I
R931	1	I
R933	2	J
R934	2	J
R935	2	F
R936	1	F
R937	2	F
R938	1	F
R939	2	F
R940	1	F
R941	2	H
R942	2	H
R943	1	H
R944	1	H
R945	2	H
R946	2	I
RY501	7	I
S001	5	J
VR901	1	J
X751	3	G



■ DECK/CD CONTROL / POWER SUPPLY SECTION (FMH-005)

Location List (FMH-005)

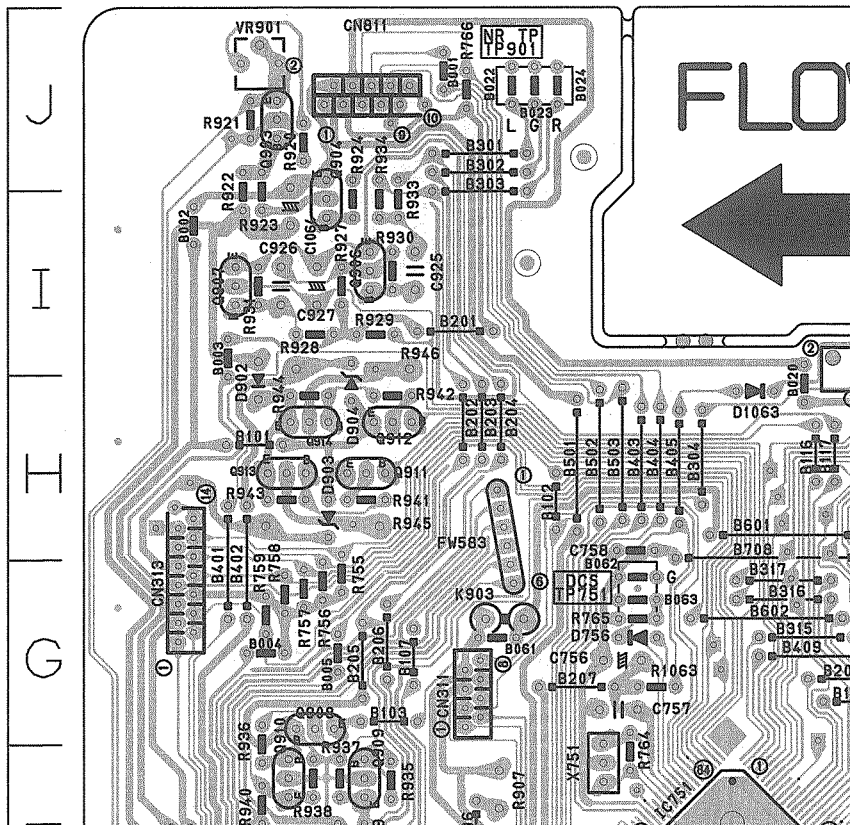
Symbol	X	Y
C1001	7	B
C1002	7	A
C1003	6	B
C1004	6	A
C1005	8	B
C1006	8	A
C1007	8	B
C1008	8	A
C1009	9	C
C1010	9	C
C1011	6	C
C1012	6	C
C1013	6	D
C1014	6	C
C1015	6	B
C1016	6	A
C1061	6	G
C1062	4	G
C1063	2	B
C1064	1	I
C457	8	F
C458	8	F
C501	9	E
C502	9	F
C503	9	E
C504	9	D
C505	9	E
C506	9	D
C507	9	E
C508	9	D
C509	9	E
C510	9	C
C511	10	E
C512	10	D

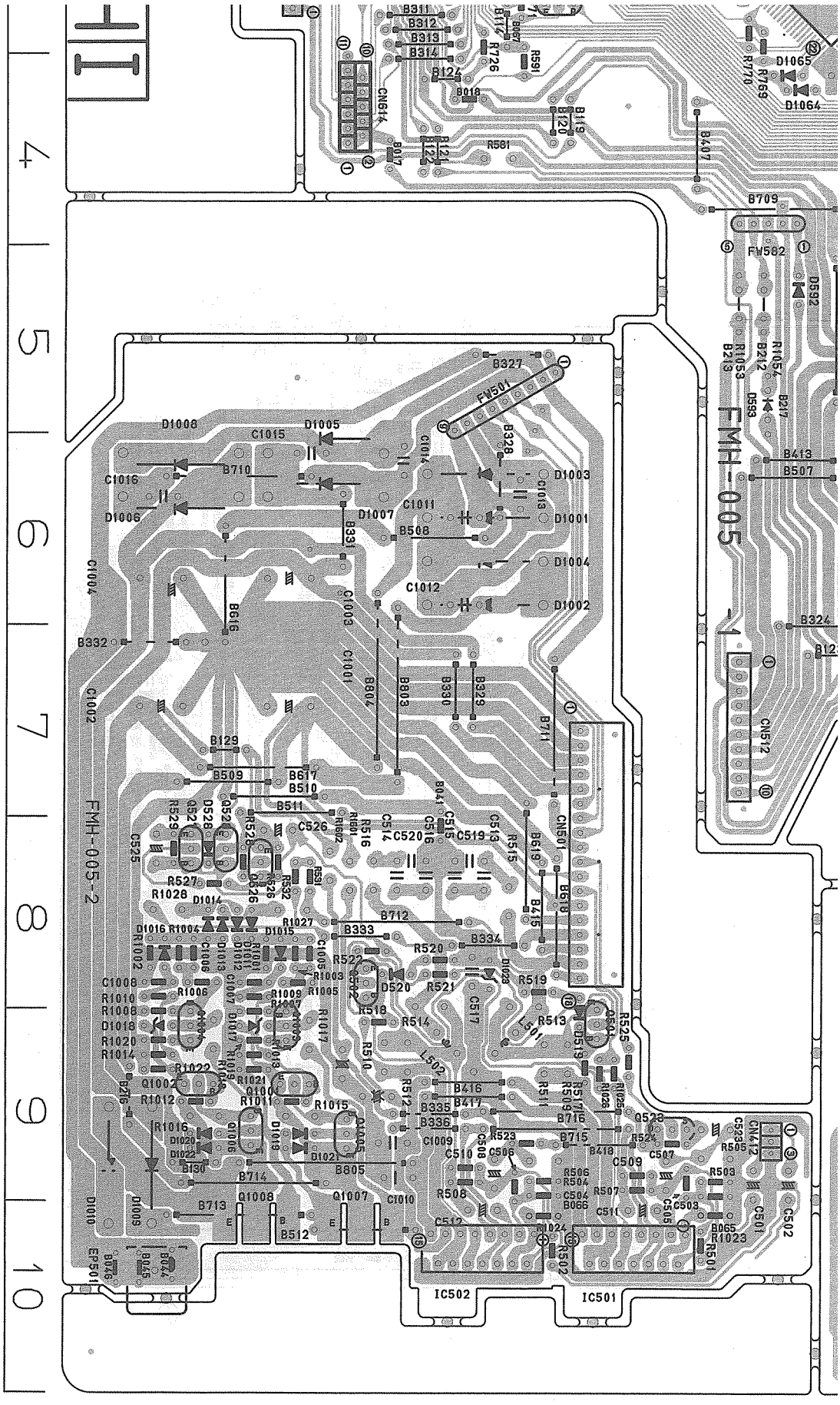
Symbol	X	Y
C923	2	D
C924	1	F
C925	2	I
C926	1	I
C927	1	I
C928	2	E
CN311	2	G
CN312	2	C
CN313	1	G
CN314	1	B
CN501	7	D
CN503	6	I
CN504	5	I
CN511	5	F
CN512	7	E
CN613	6	H
CN614	4	B
CN811	2	J
CN901	3	B
CP001	3	H
CP002	3	H
CP003	3	H
CP004	3	H
CP005	3	G
CP006	3	G
CP007	3	H
CP008	4	G
CP009	4	G
CP01	5	D
CP010	4	H
CP011	3	G
CP012	3	G
CP013	6	H
CP014	6	H

Symbol	X	Y
D1012	8	B
D1013	8	B
D1014	8	B
D1015	8	B
D1016	8	A
D1017	9	B
D1018	9	A
D1019	9	B
D1020	9	B
D1021	9	B
D1022	9	B
D1023	8	D
D1061	6	H
D1063	3	H
D1064	4	F
D1065	4	F
D519	8	D
D520	8	C
D528	8	B
D538	7	I
D591	2	B
D592	5	F
D593	5	E
D751	5	G
D752	6	G
D753	6	G
D754	6	G
D756	3	G
D901	2	E
D902	1	I
D903	1	H
D904	2	H
EP501	10	A
IC501	10	E

Symbol	X	Y
Q912	2	H
Q913	1	H
Q914	1	H
R001	10	H
R002	4	J
R003	5	I
R004	5	I
R1001	8	B
R1002	8	A
R1003	8	B
R1004	8	A
R1005	8	B
R1006	8	B
R1007	9	B
R1008	9	A
R1009	8	B
R1010	8	A
R1011	9	B
R1012	9	B
R1013	9	B
R1014	9	A
R1015	9	B
R1016	9	B
R1017	9	B
R1018	9	B
R1019	9	B
R1020	9	A
R1021	9	B
R1022	9	A
R1023	10	E
R1024	10	D
R1027	8	B
R1028	8	A
R1053	5	E

Symbol	X	Y
R585	7	H
R586	7	G
R587	7	H
R588	7	H
R589	7	H
R590	7	H
R591	3	D
R594	2	B
R595	2	B
R596	2	B
R599	2	B
R726	3	C
R741	4	H
R742	4	H
R743	4	H
R744	4	H
R751	6	G
R752	6	G
R753	6	G
R754	6	G
R755	2	G
R756	1	G
R757	1	G
R758	1	G
R759	1	G
R760	1	C
R761	1	E
R762	1	C
R763	1	B
R764	3	F
R765	3	G
R766	2	J
R768	2	D
R769	4	E

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FMH-005-2
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CN614
CN512
CN412
CN501
FW501
FW502
D1065
D1064
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D1005
D1003
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D1004
D1002
D1007
D1006
D1014
D1015
D1016
D1010
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D1023
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D1027
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B508
B330
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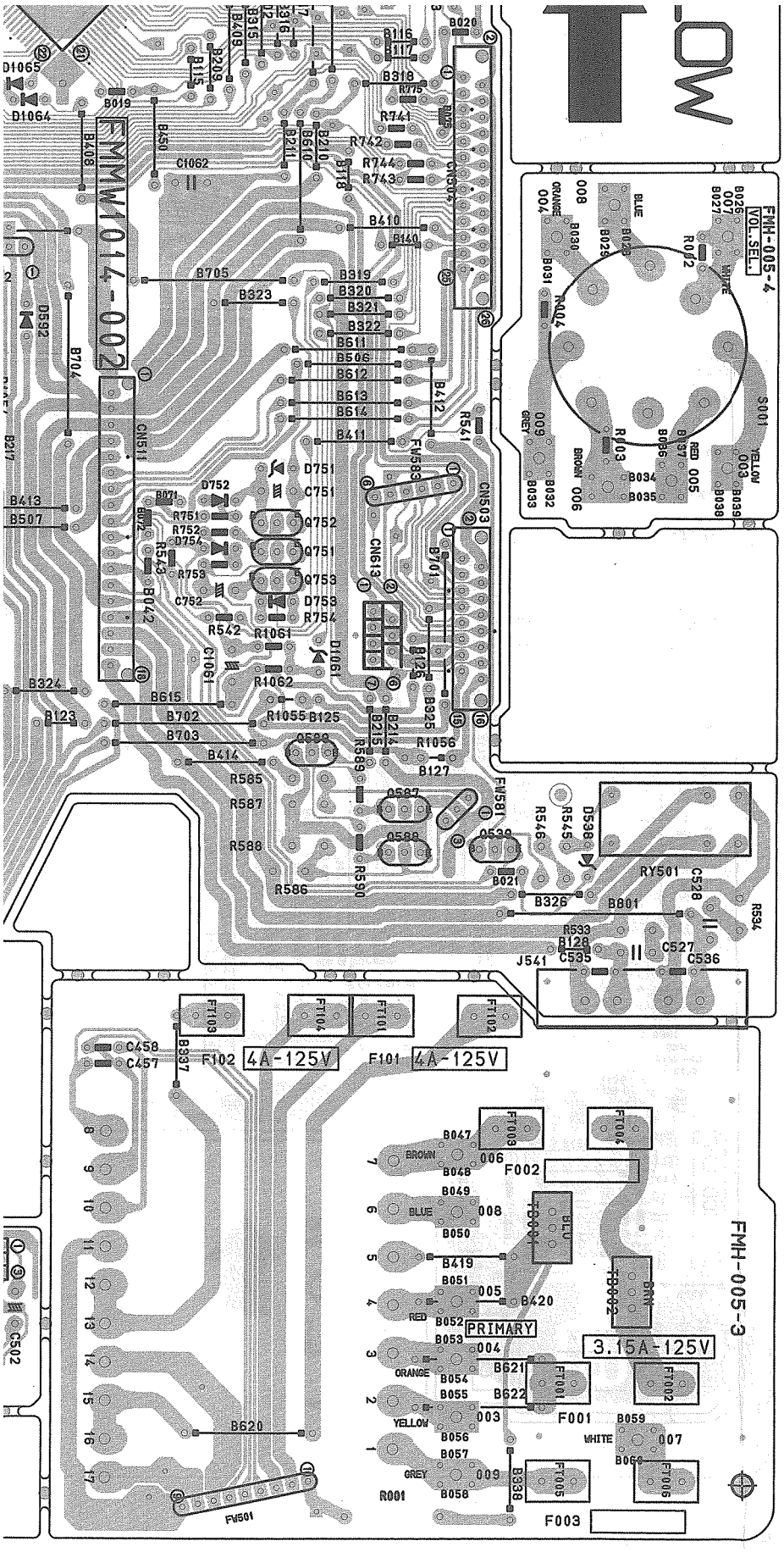
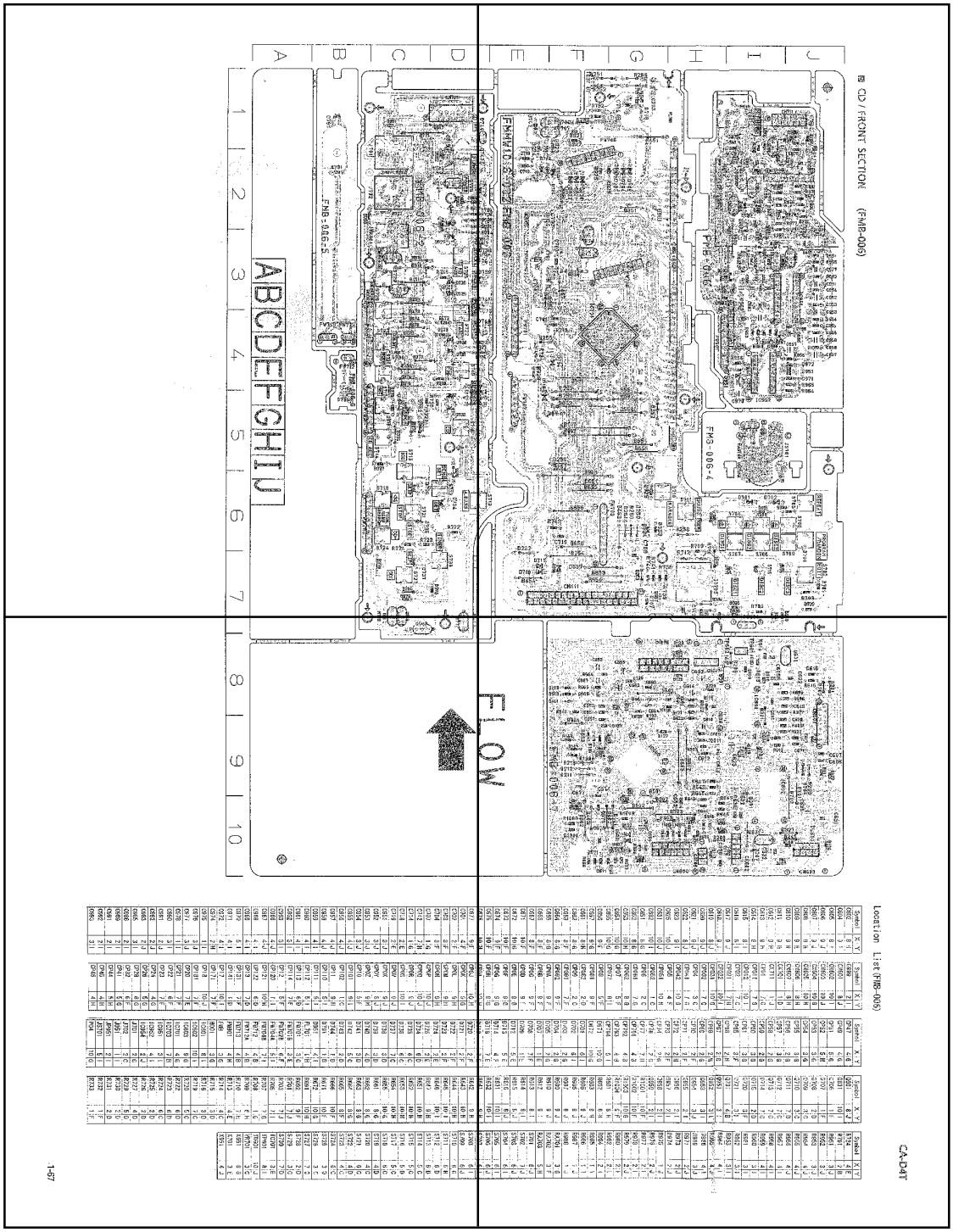
B046
B045
B044
EP501
B065
R1023


FMM1014-002
FMH-005-4
VOL.SEL.
FMH-005-3
4A-125V
4A-125V
3.15A-125V
PRIMARY
F102
F101
F001
F002
F003
CN511
CN503
CN613
FW581
FW583
FW501
RY501
J541
R001
BLUE
ORANGE
BROWN
GREY
YELLOW
WHITE
RED

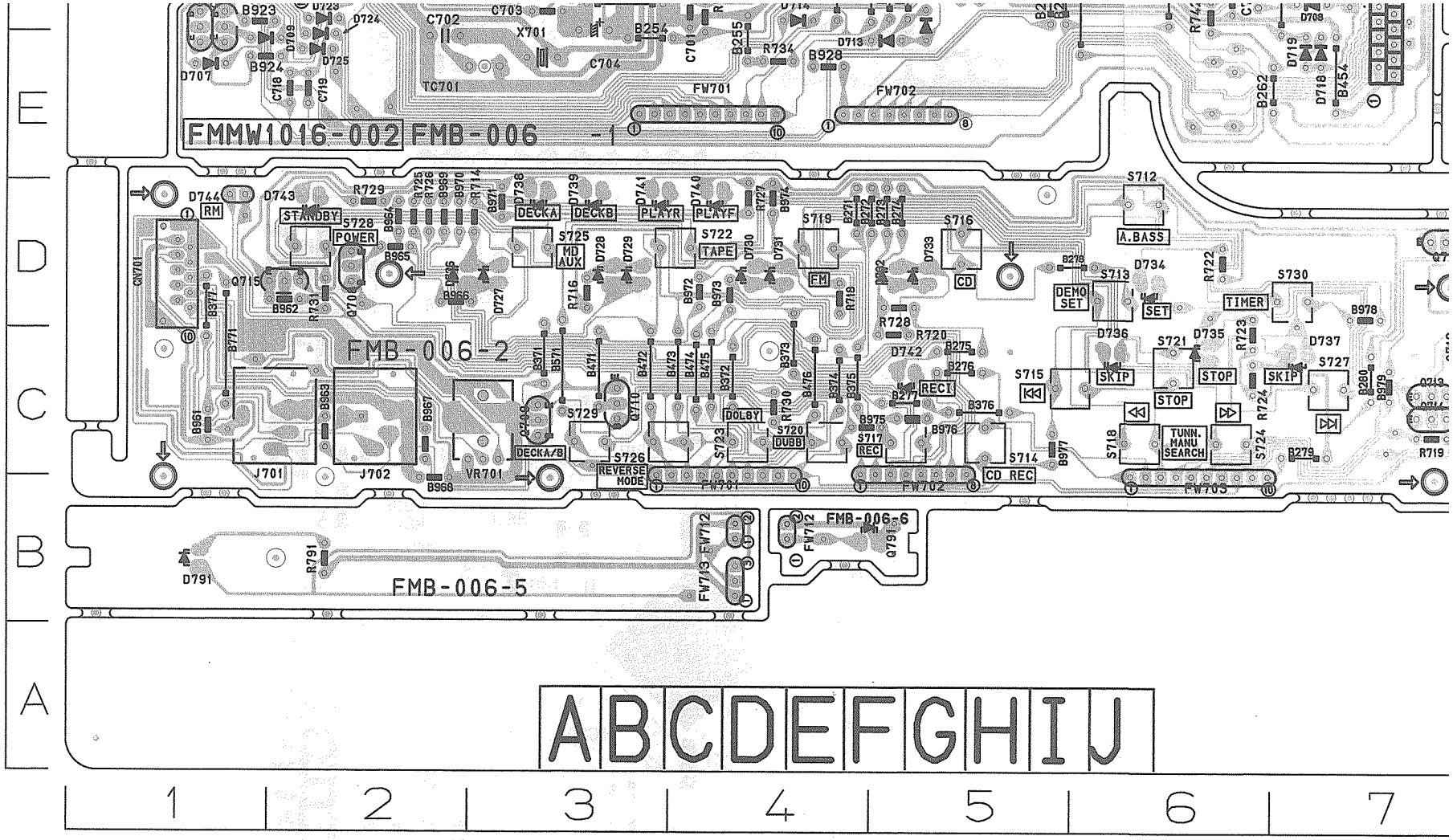
P1-67-a

P1-67-b

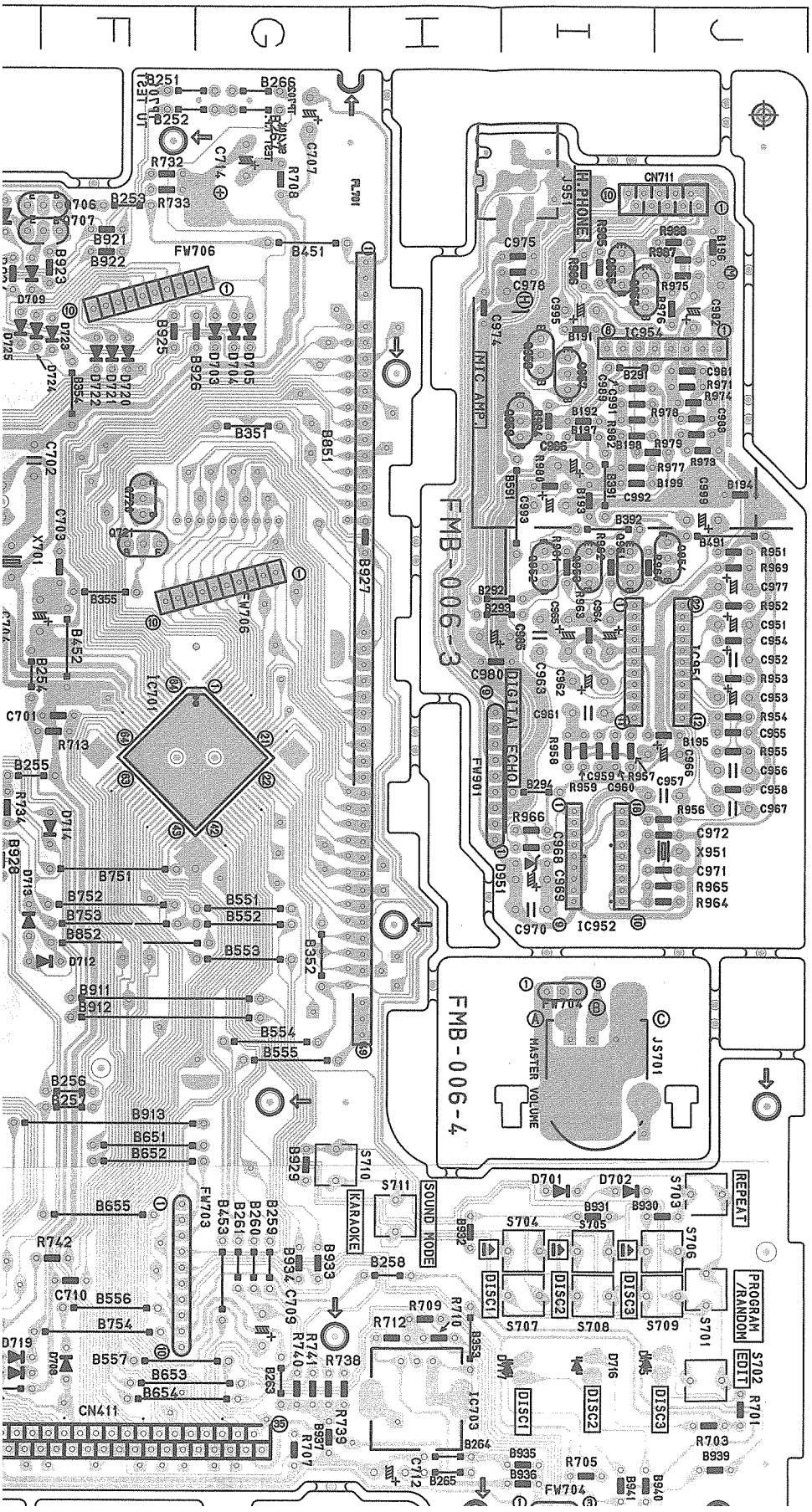


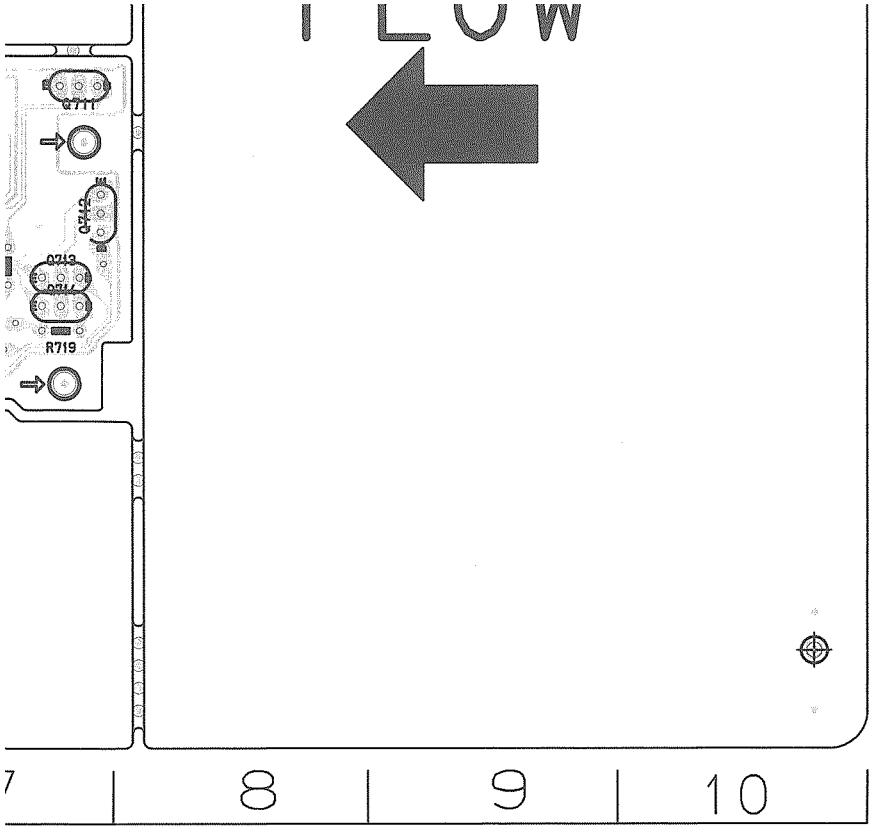
P1-67-c

P1-67-d


FMMW1016-002 FMB-006 -1
FMB-006-2
FMB-006-5
FMB-006-6
STANDBY
POWER
MD AUX
DECKA
DECKB
PLAYR
PLAYF
TAPE
FM
CD
A.BASS
DEMO SET
SET
TIMER
SKIP
STOP
SKIP
STOP
RECI
DOLBY
DUBB
REC
CD REC
REVERSE MODE
DECKA/B
TUNN. MANU SEARCH
RM
J701
J702
VR701
A B C D E F G H I J
1 2 3 4 5 6 7

■ CD / FRONT SECTION (FMB-006)





C675	10	F
C676	10	H
C677	9	F
C701	4	F
C702	2	E
C703	3	F
C704	3	F
C707	1	G
C712	7	H
C714	1	G
C718	2	E
C719	2	E
C951	3	J
C952	3	J
C953	3	J
C954	3	J
C955	4	J
C956	4	J
C957	4	J
C958	4	J
C959	4	I
C960	4	I
C961	4	I
C962	3	I
C963	3	I
C966	4	J
C967	4	J
C968	4	I
C969	4	I
C970	5	I
C971	4	I
C972	4	I
C974	2	H
C975	1	I
C976	3	J
C977	3	J
C978	1	I
C980	3	I
C981	2	J
C982	2	J
C983	2	J
C985	3	I
C986	2	I
C989	2	I
C991	2	I
C992	2	I
C993	3	I

CP0H	9	G
CP0I	10	H
CP0J	10	H
CP0K	9	G
CP0L	9	H
CP0M	9	H
CP0N	9	H
CP0P	10	J
CP0Q	10	J
CP0R	9	J
CP0S	10	I
CP0V	9	J
CP0X	9	J
CP0Y	8	J
CP0Z	9	H
CP10	5	F
CP101	9	I
CP102	1	C
CP11	9	H
CP110	5	I
CP111	5	I
CP112	5	I
CP113	6	D
CP114	7	F
CP12	5	F
CP120	1	I
CP121	10	H
CP122	6	D
CP13	7	D
CP131	7	F
CP141	1	D
CP17	10	I
CP171	7	F
CP18	10	J
CP181	7	F
CP20	7	E
CP21	7	F
CP22	6	F
CP23	7	F
CP24	4	G
CP26	5	G
CP28	6	G
CP32	6	F
CP41	5	G
CP44	5	H
CP45	4	H
CP46	4	H

D718	7	E
D719	7	E
D720	2	F
D721	2	F
D722	2	F
D723	2	F
D724	2	E
D725	2	E
D734	6	D
D735	6	C
D736	6	C
D737	7	C
D738	3	D
D739	3	D
D740	4	D
D741	3	D
D742	5	C
D743	2	D
D744	1	D
D791	1	B
D951	4	I
FL701	1	H
FW701	3	C
FW701B	3	E
FW702B	6	F
FW704A	5	I
FW704B	7	I
FW712	4	B
FW712A	4	B
FW713	4	B
FW901	4	H
FWB	3	G
H001	3	G
IC601	8	I
IC602	10	I
IC603	9	G
IC701	4	G
IC703	7	H
IC951	3	I
IC952	4	I
IC954	2	J
J701	2	C
J702	2	C
J951	1	I
JP951	2	I
JS701	5	I
P04	10	G

R632	10	I
R641	9	H
R642	9	H
R643	10	H
R644	10	H
R645	10	I
R646	10	I
R647	9	H
R651	10	H
R652	10	H
R653	10	H
R654	10	H
R655	10	G
R661	8	G
R662	8	G
R663	8	G
R664	8	G
R665	8	F
R666	10	F
R671	10	F
R672	10	G
R691	10	H
R692	9	F
R701	7	J
R703	7	J
R705	7	I
R707	7	G
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R722	6	D
R723	6	D
R724	6	C
R725	2	D
R726	2	D
R727	4	D
R729	5	D
R730	2	D
R731	2	D
R732	1	F
R733	1	F

S706	6	J
S707	6	I
S708	6	I
S709	6	J
S710	6	G
S711	6	H
S712	6	D
S713	6	D
S714	5	C
S715	5	C
S716	5	D
S717	5	C
S718	6	C
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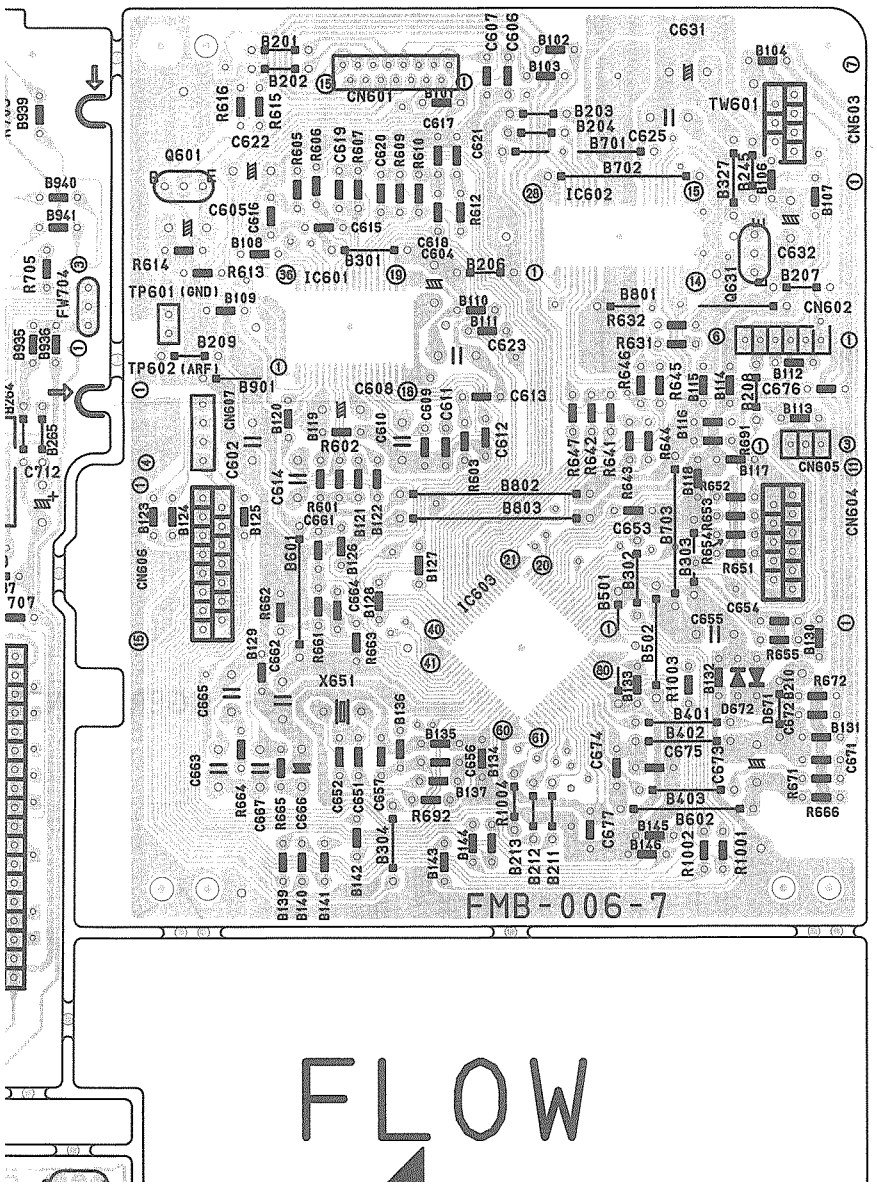
S720	4	C
S721	6	C
S722	4	D
S723	4	C
S724	6	C
S725	3	D
S726	3	C
S727	7	C
S728	2	D
S729	3	C
S730	7	D
TC701	3	E
TP601	8	I
TW601	10	J
VR701	3	C
X651	8	G
X701	3	E
X951	4	J



Location List(FMB-006)

Symbol	X	Y
C602	8	H
C604	9	I
C605	8	I
C606	9	J
C607	9	J
C608	8	H
C609	9	H
C610	9	H
C611	9	H
C612	9	H
C613	9	H
C614	8	H
C615	8	I
C616	8	I
C617	9	J
C618	9	I
C619	8	J
C620	9	J
C621	9	J
C622	8	J
C623	9	I
C625	10	J
C631	10	J
C632	10	I
C651	8	G
C652	8	G
C653	10	H
C654	10	G
C655	10	G
C656	9	F
C657	9	G
C661	8	H
C662	8	G
C663	8	F
C664	8	G
C665	8	G
C666	8	F
C667	8	F
C671	10	F
C672	10	G
C673	10	F
C674	9	F
C675	10	F
C676	10	H
C677	9	F

Symbol	X	Y
C999	2	I
CN601	8	J
CN602	10	I
CN603	10	J
CN604	10	G
CN605	10	H
CN606	8	H
CN607	8	H
CN701	1	D
CN711	1	J
CP01	7	C
CP011	7	G
CP012	10	I
CP02	7	C
CP021	7	H
CP022	10	I
CP031	10	G
CP032	7	C
CP04	3	C
CP041	7	G
CP042	10	G
CP05	4	F
CP051	10	H
CP052	1	C
CP06	2	C
CP061	7	G
CP062	8	G
CP07	5	F
CP072	8	I
CP08	5	F
CP081	9	F
CP082	2	D
CP09	2	C
CP091	7	F
CP092	9	F
CP0A	9	F
CP0B	9	F
CP0C	9	F
CP0D	9	F
CP0E	9	G
CP0F	9	G
CP0G	9	G
CP0H	9	G
CP0I	10	H
CP0J	10	H

Symbol	X	Y
CP47	4	G
CP49	4	G
CP51	5	G
CP52	5	H
CP53	3	G
CP54	3	G
CP55	3	G
CP56	2	G
CP57	3	G
CP58	2	G
CP59	2	G
CP60	3	G
CP61	3	G
CP65	3	F
CP66	2	H
CP67	2	G
CP68	2	H
CP69	2	G
CP70	2	F
CP71	2	F
CP72	2	H
CP73	2	F
CP74	2	G
CP76	2	G
CP77	7	H
CP791	4	B
CP792	4	B
CP793	4	B
CP794	6	I
D671	10	G
D672	10	G
D701	6	I
D702	6	I
D703	2	G
D704	2	G
D705	2	G
D707	1	E
D708	7	F
D709	1	E
D712	5	E
D713	5	E
D714	4	F
D718	7	E
D719	7	E
D720	2	F

Symbol	X	Y
Q601	8	J
Q631	10	I
Q706	1	F
Q707	1	F
Q708	2	D
Q709	3	C
Q710	3	C
Q711	7	D
Q712	7	C
Q713	7	C
Q714	7	C
Q715	2	D
Q720	3	F
Q721	3	F
Q791	4	B
Q951	3	I
Q952	3	I
Q953	3	I
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Q955	2	I
Q956	2	I
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Q959	2	I
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R1003	10	G
R1004	9	F
R601	8	H
R602	8	H
R603	9	H
R605	8	J
R606	8	J
R607	8	J
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R610	9	J
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R613	8	I
R614	8	I
R615	8	J
R616	8	J
R631	10	I
R632	10	I
R641	9	H
R642	9	H

Symbol	X	Y
R734	4	E
R791	2	B
R951	3	J
R952	3	J
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R974	2	J
R975	1	J
R976	2	J
R977	2	I
R978	2	I
R979	2	J
R980	2	I
R982	2	I
R984	2	I
R985	1	I
R986	1	I
R987	1	J
R988	1	J
RA701	3	G
RA702	3	F
RA703	5	H
S701	6	J
S702	7	J
S703	6	J
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S706	6	J
S707	6	I
S708	6	I

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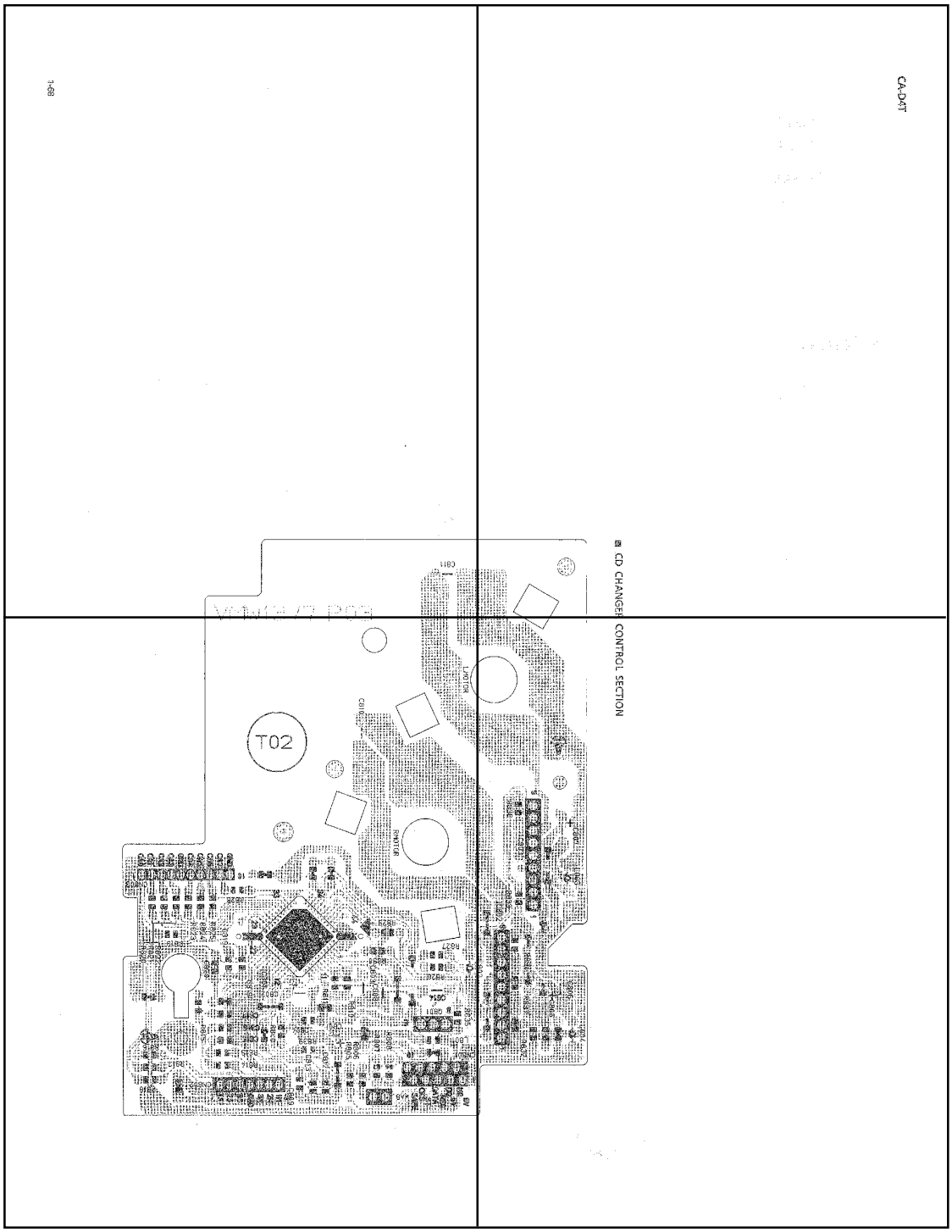

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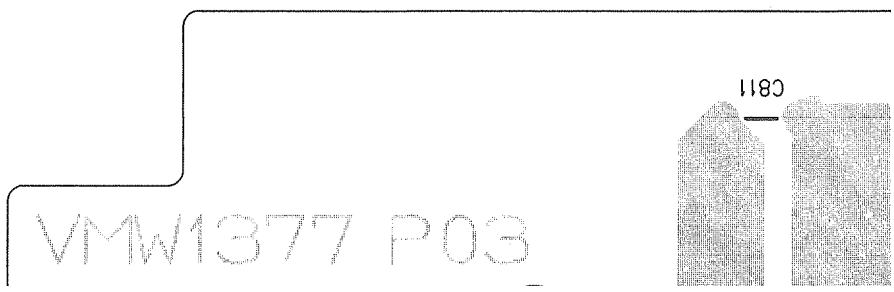
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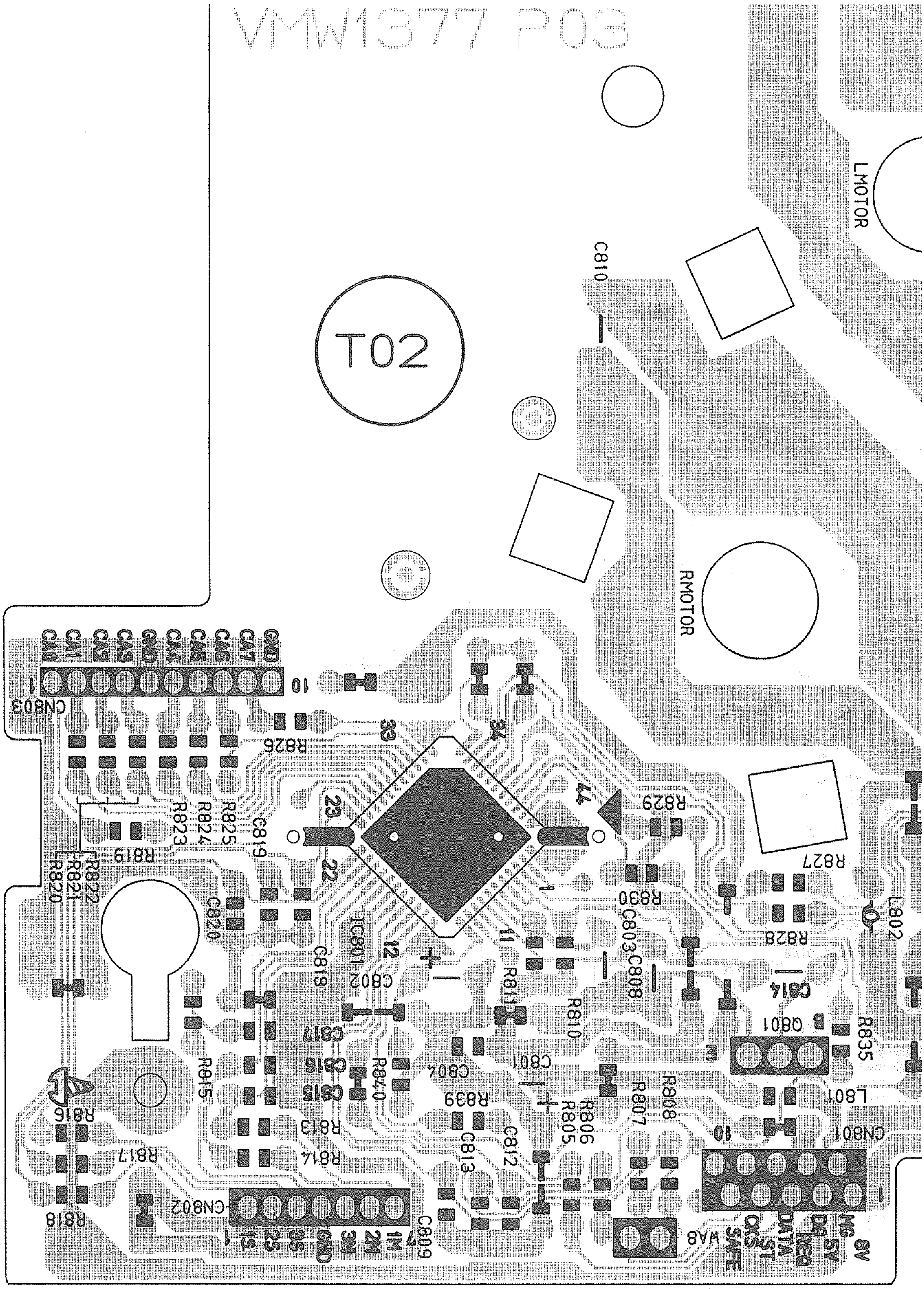
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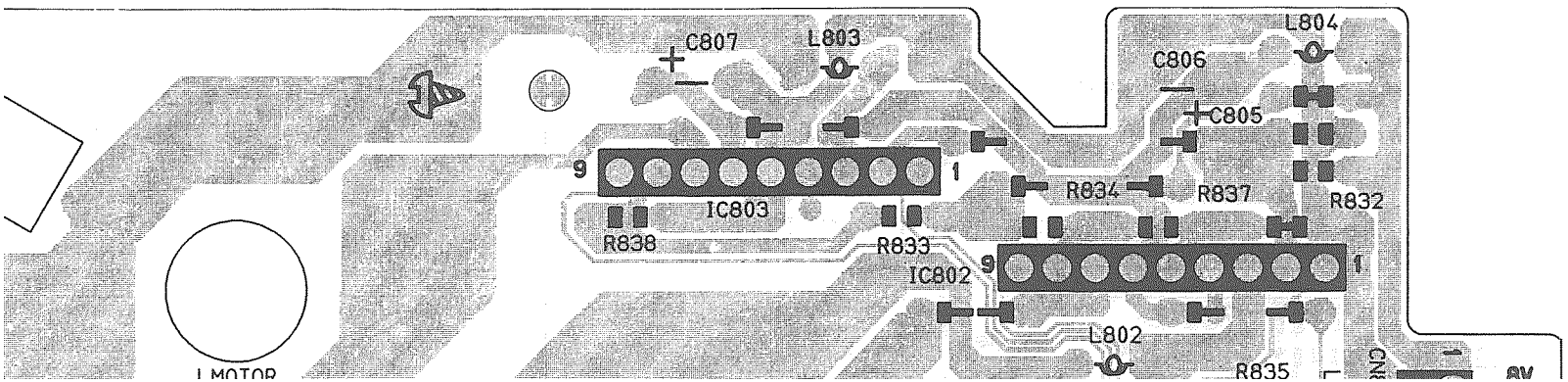
RMOTOR
IC801
CN801
CN802
CN803

GER CONTROL SECTION



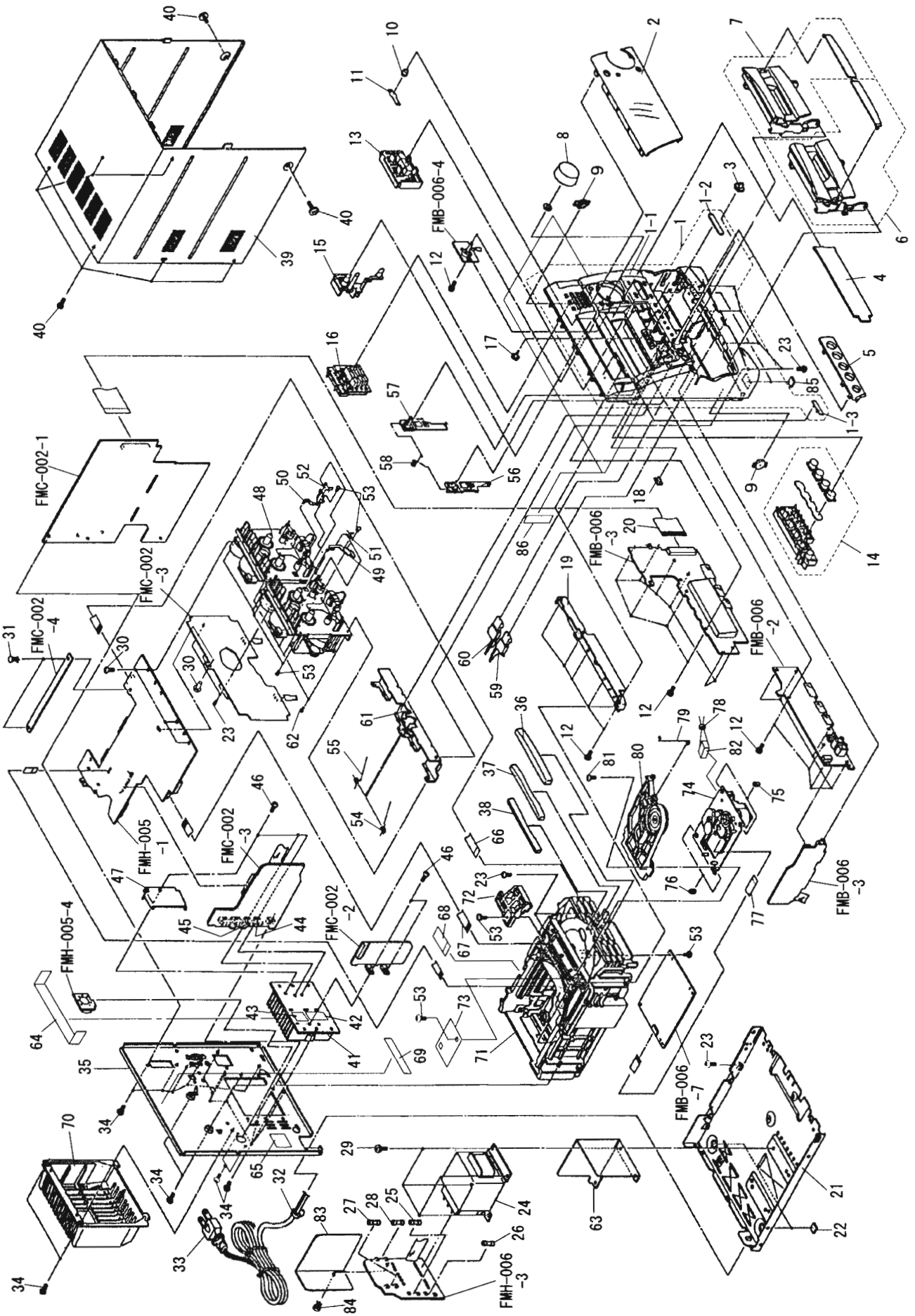
PARTS LIST

※ **All printed circuit boards and its assemblies are not available as service parts.**

– Contents –

General Exploded View and Parts List

Block No. M 1 M M



■ Parts List

Block No. M 1 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-CAD4TE(S)	FRONT PANEL ASSY	1		Except U,UB,US,UP and UT
		EFP-CAD4TU(S)	FRONT PANEL ASSY	1		U,UB,US,UP,UT
	1-1	E103052-008SM	FRONT PANEL	1		Except U,UB,US,UP and UT
		E103052-014SM	FRONT PANEL	1		U,UB,US,UP,UT
	1-2	E309487-001SM	INDICATOR PLATE	1		
	1-3	E406971-221	JVC MARK	1		
	2	E208574-007SM	WINDOW SCREEN	1		Except U,UB,US,UP and UT
		E208574-008SM	WINDOW SCREEN	1		U,UB,US,UP,UT
	3	E408765-004SM	MIC KNOB	1		U,UB,US,UP,UT
	4	E309489-001	FL SCREEN	1		
	5	E208576-001	ORNAMENT	1		
	6	E208758-001SM	CASSETTE HOLDER ASSY	1		
	7	E208759-001SM	CASSETTE HOLDER ASSY	1		
	8	E309501-001	MAIN VOLUME KNOB	1		
	9	VYH7779-00B	DAMPER	2		
	10	E408733-001SM	REMOTE CONTROL WINDOW	1		
	11	E408937-001SM	REMOTE CONTROL SCREEN	1		
	12	SDSF2608Z	SCREW	23		
	13	E208582-003	PUSH BUTTON	1	STOP	
	14	E208757-002SM	PUSH BUTTON ASSY	1		
	15	E208587-001	PUSH BUTTON	1	BASS	
	16	E208578-001	PUSH BUTTON	1	3CD	
	17	E408760-001SM	INDICATOR LENS	1	REC	
	18	E408759-001SM	POWER INDICATOR	1		
	19	E309495-002SM	STAY BRACKET	1		
	20	VWF1235-12TTBW	FLAT WIRE ASSY	1	FL to Input P.C.Board	
	21	E102616-228SM	CHASSIS BASE	1		
	22	E75896-006	FELT SPACER	2		
	23	SBSG3008Z	TAPPING SCREW	9		
	24	FMTP1100-01EA	POWER TRANSFORMER	1		A,EF,EN,G,GI,VX,BS
		FMTP1100-01FA	POWER TRANSFORMER	1		U,UB,US,UP,UT
		FMTP1100-01JA	POWER TRANSFORMER	1		C,J
⚠	25	QMF0007-4R0J1	FUSE	1	F101(T4.0A/125V)	C,J
⚠		QMF51E2-3R15J1	FUSE	1	F101(T3.15A/250)	Except C,J
⚠	26	QMF0007-4R0J1	FUSE	1	F102(T4.0A/125V)	C,J
⚠		QMF51E2-3R15J1	FUSE	1	F102(T3.15A/250)	Except C,J
⚠	27	QMF0007-3R15J1	FUSE	1	F001(T3.15A/125V)	C,J
⚠		QMF51E2-1R2J1BS	FUSE	1	F001(T1.2A/250V)	BS
⚠		QMF51E2-1R25	FUSE	1	F001(T1.25A/250)	A,FF,EN,G,GI,VX
⚠		QMF51E2-2R5J1	FUSE	1	F002(T2.5A/250V	U,UB,US,UP,UT
⚠	-	FMND4004-001	FUSE LABEL	1	F001	A,BS,EF,EN,GI,G,VX
⚠	-	VND4003-071	FUSE LABEL	1	F002	U,UB,UTS,UP,UT
⚠	-	VND4003-083	FUSE LABEL	2	F101,F102	Except J,C
⚠	28	QMF51E2-1R25	FUSE	1	F003(T1.25A/250)	U,UB,US,UP,UT
	29	E65389-002	SPECIAL SCREW	4		
	30	SBST2604Z	SCREW	3		
	31	E48729-021	PLASTIC RIVET	3		
⚠	32	QHS3876-162	CORD STOPPER	1		
⚠	33	EMP7000-200	POWER CORD	1		UP
⚠		QMP1480-200E	POWER CORD	1		C,J
⚠		QMP25F0-244	POWER CORD	1		A
⚠		QMP3900-200	POWER CORD	1		EF,EN,G,GI,US,VX
⚠		QMP5530-0085BS	POWER CORD	1		BS,UB
⚠		QMP7520-200	POWER CORD	1		U,UT
	34	E73273-003	SPECIAL SCREW	12		Except U,UB,UP,US and UT

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
		E73273-003	SPECIAL SCREW	14		U,UB,UP,US,UT
	35	E103054-022SM	REAR PANEL	1		J
		E103054-023SM	REAR PANEL	1		C
		E103054-024SM	REAR PANEL	1		U,UB,US,UT
		E103054-025SM	REAR PANEL	1		BS,EF,EN,G,GI
		E103054-026SM	REAR PANEL	1		A
	35	E103054-027SM	REAR PANEL	1		VX
		E103054-028SM	REAR PANEL	1		UP
	36	E208593-006SM	CD FITTING	1		
	37	E208595-006SM	CD FITTING	1		
	38	E208597-006SM	CD FITTING	1		
	39	FMKL1003-002	METAL COVER	1		Except J,C
		FMKL1003-003	METAL COVER	1		J,C
	40	SDSG3006M	TAPPING SCREW	8		
	41	FMMH3003-006	HEAT SINK	1		
	42	FMPK4003-001	MICA SHEET	1		
	43	FMPK4004-001	MICA SHEET	1		
	44	2SA1490LC(O,Y)	SI.TRANSISTOR	1	Q1008	
	45	2SC3854LC(O,Y)	SI.TRANSISTOR	1	Q1007	
	46	SBSG3014CC	SCREW	5		
	47	FMKL4007-001	HEAT SINK BRACKET	1		
	48	----------	CHASSETTE MECHANISM ASSY	1	SEE PAGE 2-9	
	49	E309477-222	EJECT SAFETY	1		
	50	E309478-222	EJECT SAFETY	1		
	51	E407801-002	SPRING	1		
	52	E407802-002	SPRING	1		
	53	SBSF3008Z	TAPPING SCREW	10		Except C,J
		SBSF3008Z	TAPPING SCREW	11		C,J
	54	E408933-001	HOLDER SPRING	1		
	55	E408934-001	HOLDER SPRING	1		
	56	E309479-001SS	EJECT LEVER	1		
	57	E309480-001SS	EJECT LEVER	1		
	58	E408742-001SS	SPRING	1		
	59	E309496-001	EJECT BUTTOM	1		
	60	E309497-001	EJECT BUTTOM	1		
	61	E208588-001	HOLDER BKT	1		
	62	SBST3006Z	TAPPING SCREW	4		
	63	E409015-001SM	SHIELD PLATE	1		
	64	FMYSA110-001	SPACER	1		
⚠	65	E65507-001	CAUTION LABEL	1		C
⚠		E67199-001	CAUTION LABEL	1		J
	66	VWF1210-30TTB	FLAT WIRE ASSY	1	Mecha to M-Com.	
	67	VWF1211-22TTBV	FLAT WIRE ASSY	1	CD to M-Com	
	68	VWF1207-20TTB	FLAT WIRE ASSY	1	CD to AMP. P.C.Board.	
	69	E406709-001	CAUTION LABEL	1		
	70	E207356-001SM	REAR COVER	1		Except C,J
		E207356-002SM	REAR COVER	1		C,J
	71	----------	CHANGERMECHANISM ASSY	1	SEE PAGE 2-6	
	72	E309662-001	DISC STOPPER	1		
	73	FMKL4008-001	LOD STOPPER	1		C,J
	74	----------	CD MECHANISM ASSY	1	SEE PAGE 2-8	
	75	FMYH4003-002	INSULATOR	2		
	76	FMYH4003-001	INSULATOR	2		
	77	VWF1015-09TTAV	FLAT WIRE ASSY	1	Pick to Servo	
	78	VYSA1R2-033	SPACER	1		

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	79	VKW5187-001	ROD	1		
	80	VKS3703-00DMM	CLAMPER ASSY	1		
	81	SPST2606Z	TAPPING SCREW	1		
	82	VDM1001-M001A	SOCKET WIRE ASSY	1	CD Mecha to Servo	
	83	E409190-221SM	PROTECT SHEET	1		
	84	E48729-021	RIVET	1		
	85	E75896-002	FELT SPACER	2		
	86	E306805-174	SPACER	2		
	-	E307570-001	NUMBER LABEL	1		J
	-	E408843-001	APROVAL LABEL	1		EN
	-	E70891-001	CLASS 1 LABEL	1		
	-	E75139-003	Z LABEL	1		U
	-	E75139-003	Z LABEL	1		UT
	-	FMND3007-003	RATING LABEL	2		UT
	-	FMND4001-003	FTZ LABEL	1		G
	-	FMND4004-001	FUSE CABEL	1		Except J,C
	-	QZL1031-101	LABEL	1		EF

⚠ : Safety Parts

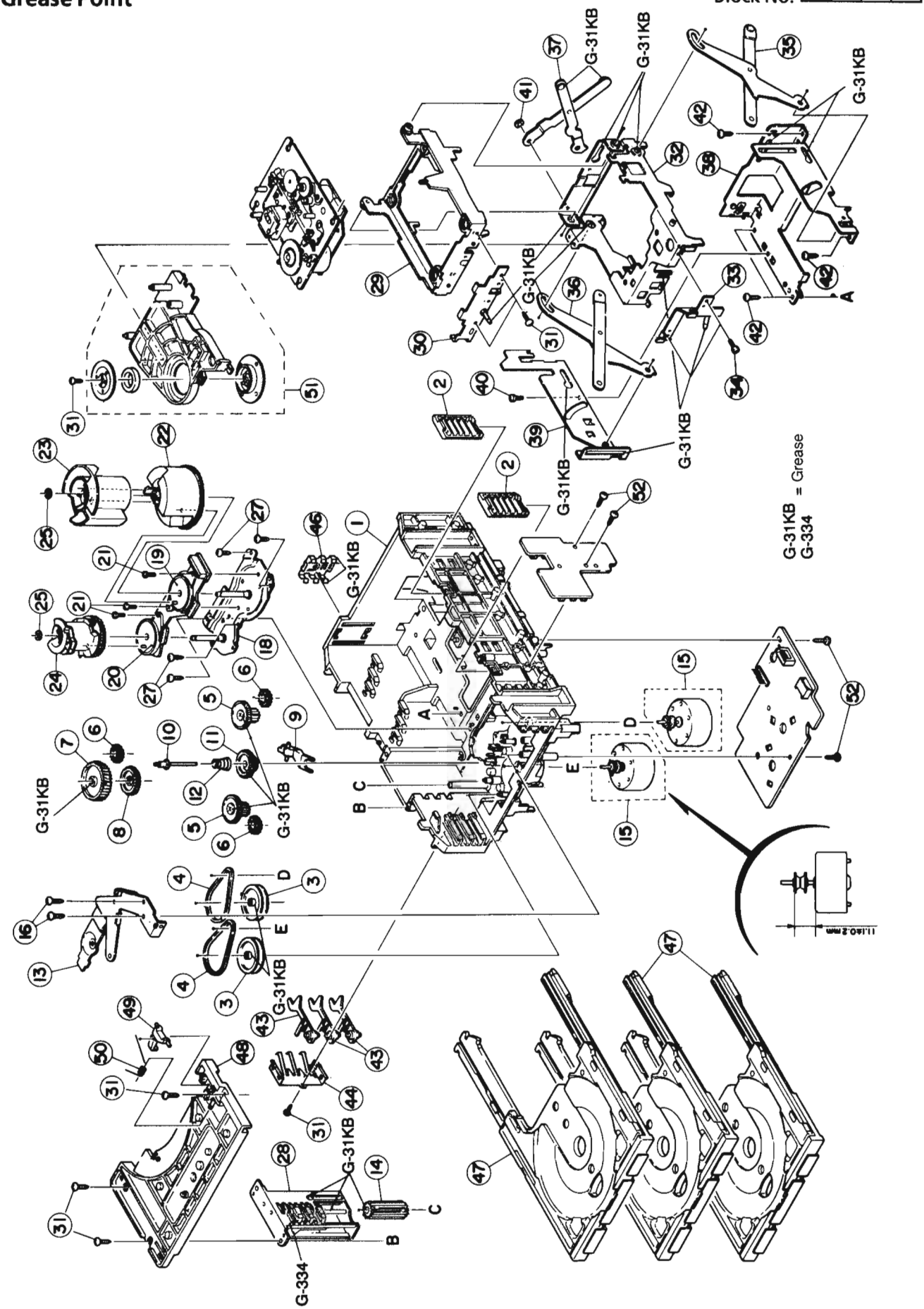
The Marks for Designated Areas

A	Australia	BS	the U.K.	C	Canada	EF	Continental Europe
EN	Scandinavia	G	Germany	GI	Itary	J	the U.S.A.
UB	Hong Kong	U	Universal Type	US	Singapore	UP	Korea
UT	Taiwan	VX	East Eurpe	No mark indicates all area.			

Changer Mechanism Ass'y and Parts List

■ Grease Point

Block No. M 2 M M



■ Parts List (Changer Mechanism Ass'y)

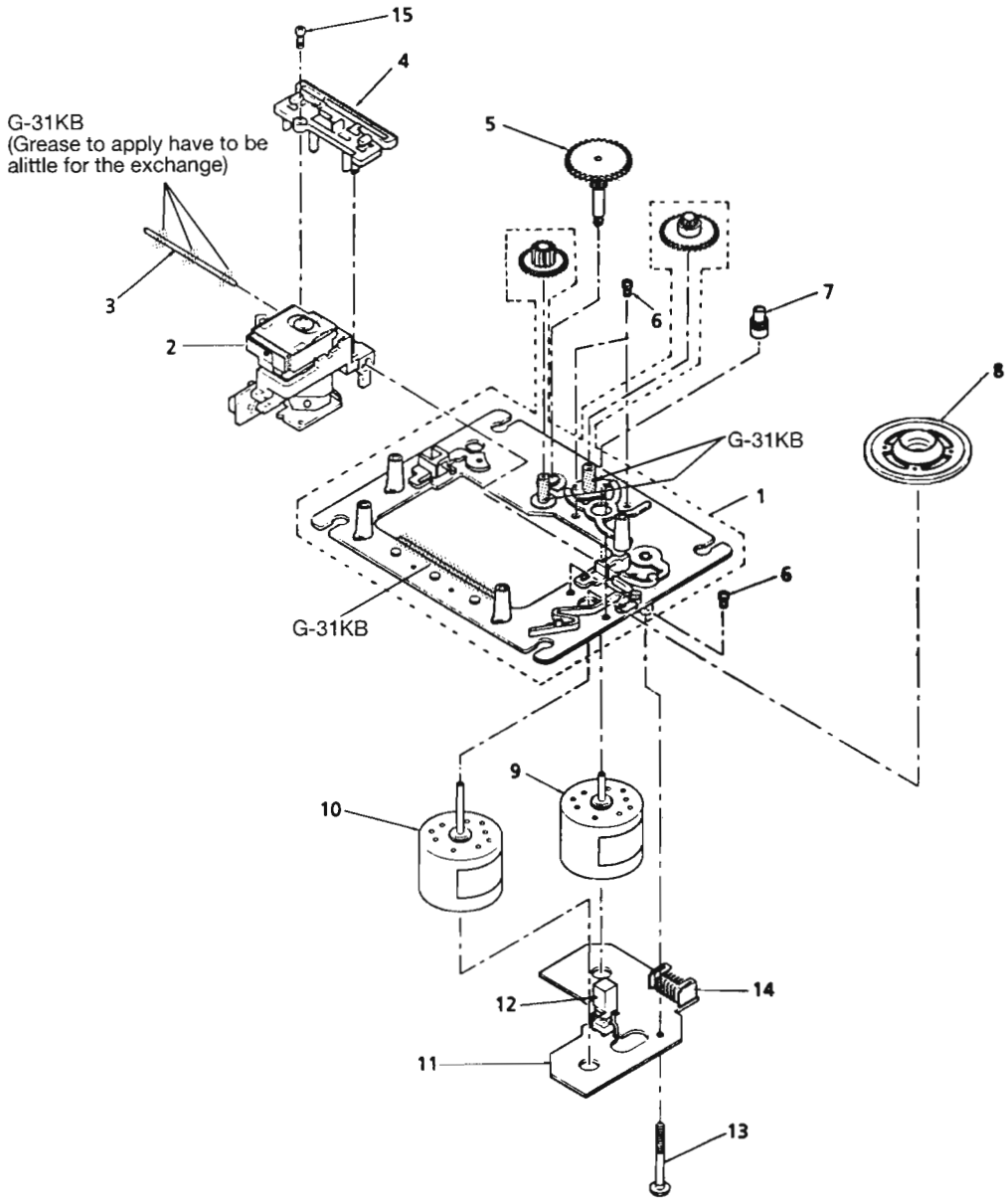
Block No. M 2 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	VKS1144-003	CHASSIS BASE	1		
	2	VKS3698-002	TRAY GUIDE	2		
	3	VKS5532-002	PULLEY GEAR	2		
	4	VKB3000-164	DRIVE BELT	2		
	5	VKS5505-002	GEAR B	2		
	6	VKS5506-001	GEAR C	3		
	7	VKS5507-001	CROSS GEAR U	1		
	8	VKS5508-001	CROSS GEAR L	1		
	9	VKS5510-002	SELECT LEVER	1		
	10	VKH5769-001	GEAR STUD	1		
	11	VKS5511-001	SELECT GEAR	1		
	12	VKW5155-003	COMPRESS SPRING	1		
	13	VKM3846-002	GEAR BRACKET	1		
	14	VKS5509-001	CYLINDER GEAR	1		
	15	MSN5D257A-SA2	D.C.MOTOR	1		
	16	DPSP2616Z	SCREW	2		
	19	VKZ3172-00A	CAM SW. R ASS'Y	1		
	20	VKZ3173-00A	CAM SW. L ASS'Y	1		
	21	SPST2606Z	TAPPING SCREW	1		
	22	VKS2263-001	CAM R1	1		
	23	VKS2264-001	CAM R2	1		
	24	VKS2265-001	CAM GEAR L	1		
	25	WDL316050	SLIT WASHER	2		
	27	SBSF2608Z	TAPPING SCREW	4		
	28	VKS3702-00E	DRIVE UNIT	1		
	29	VKS2247-002	MECHA HOLDER A	1		
	30	VKL7767-00B	MECHABRACKET	1		
	31	SBSF2606Z	TAPPING SCREW	2		
	32	VKM3824-00D	M.HOLDER B AS'Y	1		
	33	VKL7802-00C	MECHA HOLDER	1		
	34	SDST2604Z	SCREW	2		
	35	VKL7810-00A	LIFTER	1		
	36	VKL7811-00A	LIFTER	1		
	37	VKL7812-00A	LIFTER	1		
	38	VKL2732-002	LIFTER BASE	1		
	39	VKM3823-001	LIFTER BRACKET	1		
	40	SDST2604Z	SCREW	1		
	41	WDL266035-2	SLIT WASHER	1		
	42	SBSF2608Z	TAPPING SCREW	8		
	43	VKS5514-001	LOCK LEVER	3		
	44	VKY3133-002	RETURN SPRING	1		
	46	VKY3134-003	CLICK SPRING	1		
	47	VKS2252-00C	TRAY ASS'Y	3		
	48	VKS2250-002	BRACKET	1		
	49	VKS5515-001	S.TRAY STOPPER	1		
	50	VKW5156-004	TORSION SPRING	1		
	51	----------	CLAMPER ASSY	1	See page 2-1	

CD Mechanism Ass'y and Parts List

Block No. M 4 M M

■ Grease Point

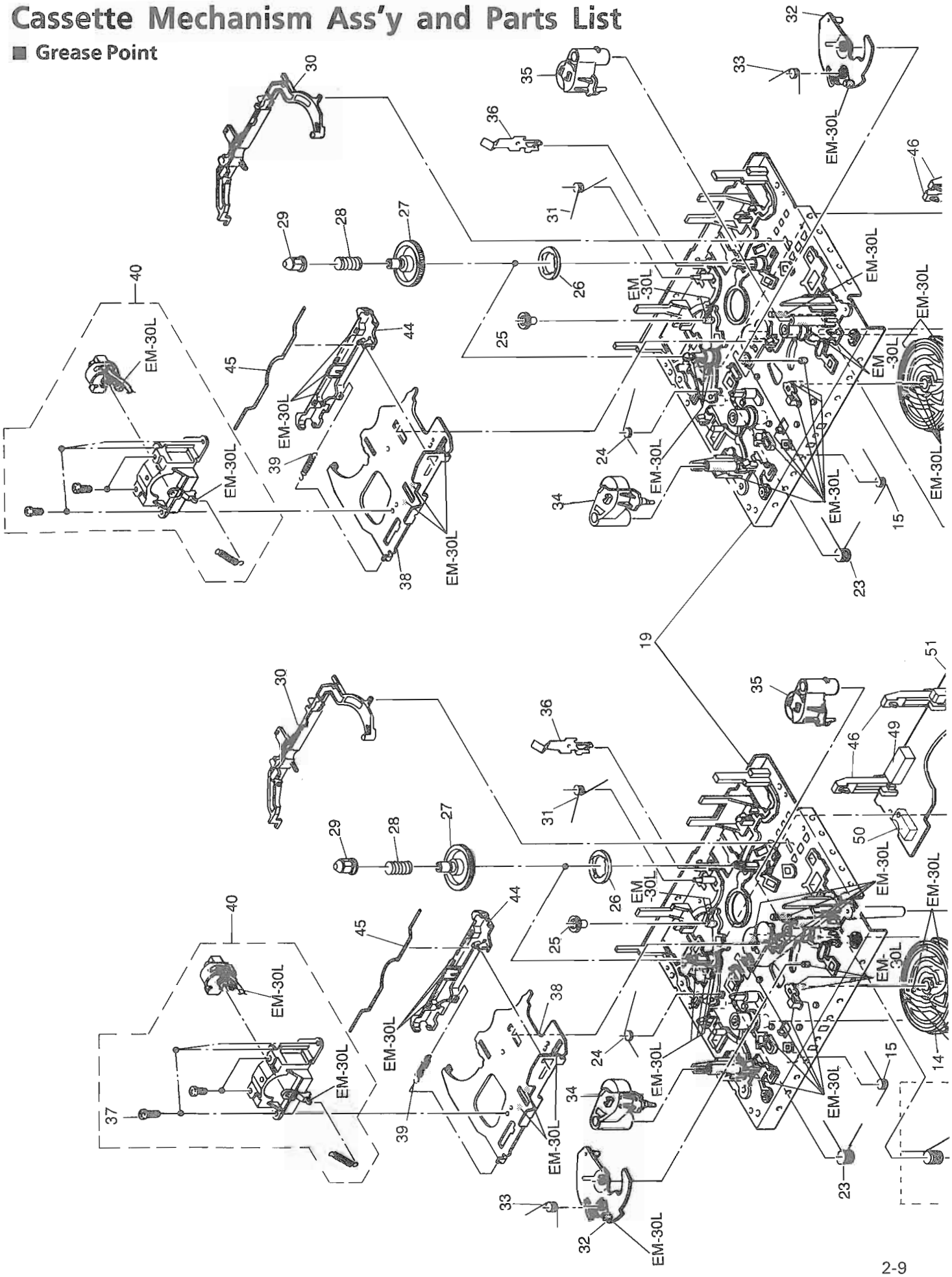


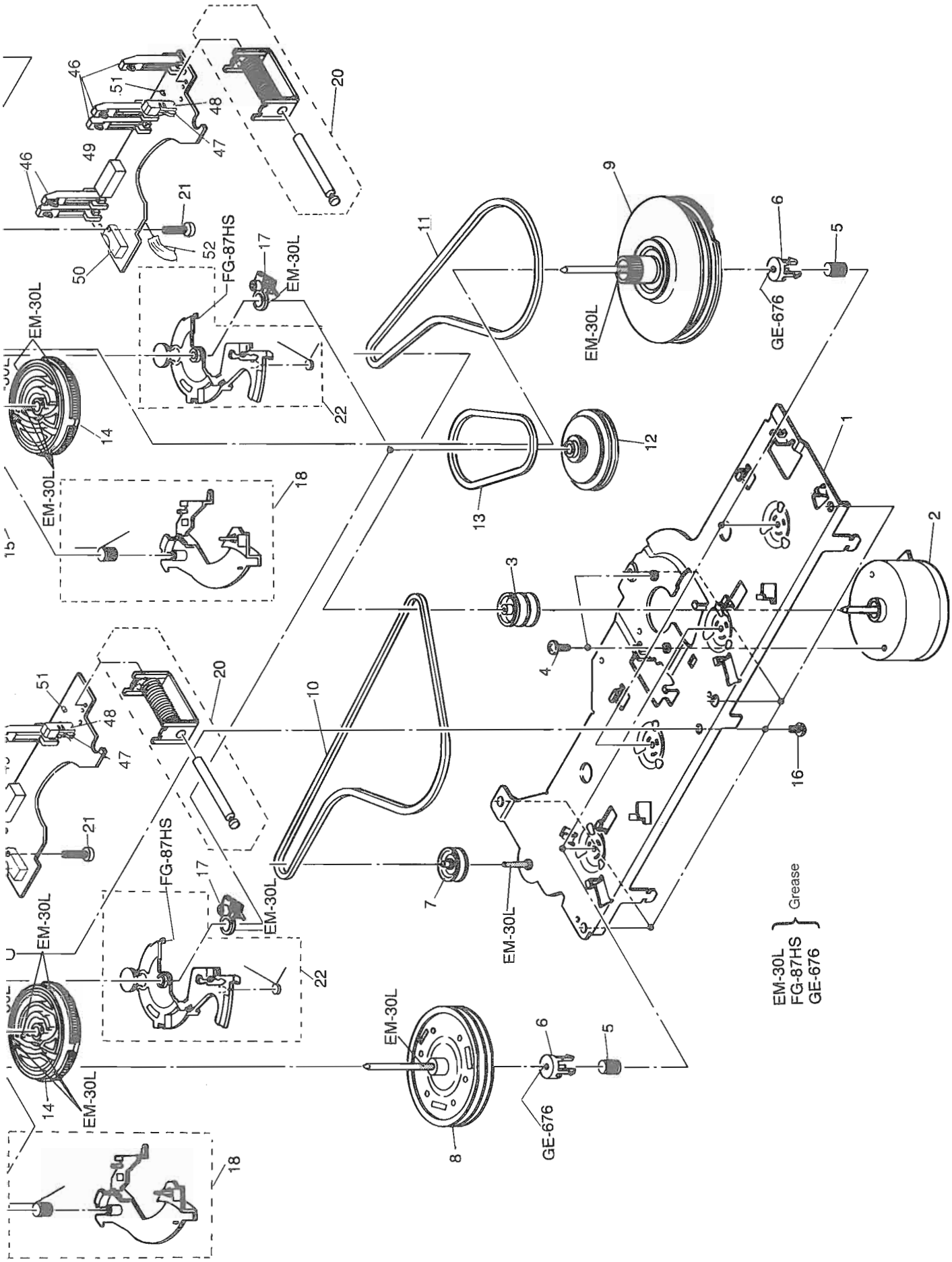
■ Parts List (CD Mechanism Ass'y)

Item	Part Number	Part Name	Q'ty	Description	Area
1	EPB-002A	MECHANISM BASE ASSY	1		
2	OPTIMA-6S	PICK UP ASSY	1		
3	E406777-001	SHAFT	1		
4	E307746-001	CD RACK	1		
5	E307745-221SS	GEAR (3)	1		
6	SDSP2003N	SCREW	4		
7	E406750-001	PINION GEAR	1		
8	EPB309173A	TURN TABLE	1		
9	E406784-001	FEED MOTOR	1		
10	E406783-001	SPINDLE MOTOR	1		
11	EW10190-001(S)	CIRCUIT BOARD	1		
12	ESB1100-005	LEAF SWITCH	1		
13	E75832-001	SCREW	1		
14	EMV5109-006B	PLUG ASSY	1	6PIN	
15	SDSF2006Z	SCREW	1		

Cassette Mechanism Ass'y and Parts List

■ Grease Point




EM-30L
FG-87HS
GE-676
Grease

Parts List (Cassette Mechanism Ass'y)

Block No. M 3 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	VKM3835-00A	FLYWHEEL BRACKET	1		
	2	MMI-6H2LWK	DC MOTOR	1		
	3	VKR4746-001	MOTOR PULLEY	1		
	4	SPSP2603Z	WOOD SCREW	1		
	5	VKW5177-002	SPRING	1		
	6	VKS5524-001	THRUST GUIDE	1		
	7	VKR4747-001	IDLER PULLEY	1		
	8	VKF3202-00A	FLYWHEEL	2		
	9	VKF3200-00A	FLYWHEEL	2		
	10	VKB3000-161	CAPSTAN BELT	1		
	11	VKB3000-162	CAPSTAN BELT	1		
	12	VKS5523-00C	MAIN PULLY ASSY	2		
	13	VKB3000-167	REEL BELT	2		
	14	VKS1150-001	CONTROL CAM	2		
	15	VKW5170-002	SPRING	2		
	16	SBSF2608Z	TAPPING SCREW	6		
	17	VKS3719-002	ELEVATOR RING	2		
	18	VKS5525-00B	TRIGGER ARM	2		
	19	VKS1151-00A	CHASSIS BASE ASSY	2		
	20	VGP2401-00A	SOLENOID	2		
	21	SDST2612Z	SCREW	2		
	22	VKS3714-00B	F.F/REW.ARM	2		
	23	VKW5173-001	SPRING	2		
	24	VKW5202-002	SPRING	2		
	25	VKS5519-002	IDLER GEAR	2		
	26	VKZ4690-002	MAGNET	2		
	27	VKS3707-002	REEL GEAR	4		
	28	VKW5162-002	SPRING	4		
	29	VKS3708-002	REEL CAP	4		
	30	VKS2261-002	REEL STOPPER	2		
	31	VKW5178-001	BRAKE SPRING	2		
	32	VKS2255-001	DIRECTION LEVER	2		
	33	VKW5163-001	SPRING	2		
	34	VKP4232-00B	PINCH ROLLER	2		
	35	VKP4231-00B	PINCH ROLLER	2		
	36	VKY4670-001	SPRING	2		
	37	SDSR2004Z	SCREW	6		
	38	VKL7809-00A	BASE PLATE	2		
	39	VKW5167-002	SPRING	2		
	40	VKM3834-00F	H. MOUNT ASY	1	A MECHA	
		VKM3832-00F	H. MOUNT ASY	1	B MECHA	
	44	VKS2257-002	ACTION LEVER	2		
	45	VKW5209-003	P.R. SPRING	2		
	46	MXS00220MVL0	CASSETTE SWITCH	2		
	47	DN6851-HI	I.C(M)	2	IC1	
	48	VKS3630-001MM	I.C.PROTECTOR	2		
	49	VMC0314-P08	CONNECT TERMINAL	1		
	49	VMC0314-P14	CONNECT TERMINAL	1		
	50	QSEC001-E03	LEVER SWITCH	2	S6	
	51	1SR139-400T-32	SI DIODE	2		
	52	VWSC04-11A13K	FLAT WIRE ASSY	1	FW1	

Electrical Parts List

■ CD/Deck Control & Power Supply P. C. Board Ass'y (FMH-005)

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q501	2SA970(GR)	SI.TRANSIST TOSHIBA	
	Q502	2SA970(GR)	SI.TRANSIST TOSHIBA	
	Q523	2SK301(P,Q)	F.E.T.	
	Q526	2SC2240(GR,BL)	SI.TRANSIST TOSHIBA	
	Q527	2SA970(GR)	SI.TRANSIST TOSHIBA	
	Q528	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q539	2SC2240(GR,BL)	SI.TRANSIST TOSHIBA	
	Q587	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q588	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q589	DTA114TS	DIGITAL TRA ROHM	
	Q592	2SB1187(F,G)	SI.TRANSIST ROHM	
	Q593	2SC945A	SI.TRANSIST NEC	
	Q594	DTC114YS	DIGITAL TRA ROHM	
	Q595	DTA144ES	DIGITAL TRA ROHM	
	Q751	DTC114YS	DIGITAL TRA ROHM	
	Q752	DTC114YS	DIGITAL TRA ROHM	
	Q753	DTC114YS	DIGITAL TRA ROHM	
	Q901	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q902	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q903	2SA933S(RS)	SI.TRANSIST	
	Q904	DTC114YS	DIGITAL TRA ROHM	
	Q905	DTA114YS	DIGITAL TRA ROHM	
	Q906	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q907	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q908	DTA144ES	DIGITAL TRA ROHM	
	Q909	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q910	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q911	DTC123YS	SI.TRANSIST ROHM	
	Q912	DTC123YS	SI.TRANSIST ROHM	
	Q913	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q914	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q1001	2SC1685	SI.TRANSIST	
	Q1002	2SA933S(RS)	SI.TRANSIST	
	Q1003	2SC1685	SI.TRANSIST	
	Q1004	2SA733A(P,K)	SI.TRANSIST NEC	
	Q1005	2SA965(Y)	SI.TRANSIST TOSHIBA	
	Q1006	2SC2235(O,Y)	SI.TRANSIST TOSHIBA	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC501	TDA7294	I.C(M) 0062	
	IC502	TDA7294	I.C(M) 0062	
	IC751	MN172412K8D	I.C(MICRO-C MATSUSHITA	
	IC901	HA12136A	I.C(MONO-AN HITACHI	
	IC902	BA8221N	I.C(MONO-AN ROHM	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D519	1SS133	SI.DIODE ROHM	
	D520	1SS133	SI.DIODE ROHM	
	D528	1SS133	SI.DIODE ROHM	
	D538	MTZ24JC	ZENER DIODE ROHM	
	D591	MTZ6.8JB	ZENER DIODE ROHM	
	D592	1SS133	SI.DIODE ROHM	
	D593	1SR35-200A	SI.DIODE ROHM	
	D751	MTZ5.1JC	ZENER DIODE ROHM	
	D752	1SS133	SI.DIODE ROHM	
	D753	1SS133	SI.DIODE ROHM	
	D754	1SS133	SI.DIODE ROHM	
	D756	1SS133	SI.DIODE ROHM	
	D901	1SS133	SI.DIODE ROHM	
	D902	1SR35-100	SI.DIODE ROHM	
	D1001	1N5402M-20	DIODE 0062	
	D1002	1N5402M-20	DIODE 0062	
	D1003	1N5402M-20	DIODE 0062	
	D1004	1N5402M-20	DIODE 0062	
	D1005	30D2FC	GE.DIODE NIHONINTER	
	D1006	30D2FC	GE.DIODE NIHONINTER	
	D1007	30D2FC	GE.DIODE NIHONINTER	
	D1008	30D2FC	GE.DIODE NIHONINTER	
	D1009	30D2FC	GE.DIODE NIHONINTER	
	D1010	30D2FC	GE.DIODE NIHONINTER	
	D1011	1SS133	SI.DIODE ROHM	
	D1012	1SS133	SI.DIODE ROHM	
	D1013	1SS133	SI.DIODE ROHM	
	D1014	1SS133	SI.DIODE ROHM	
	D1015	1SS133	SI.DIODE ROHM	
	D1016	1SS133	SI.DIODE ROHM	
	D1017	MTZ3.9JB	ZENER DIODE ROHM	
	D1018	MTZ3.9JB	ZENER DIODE ROHM	
	D1019	1SS133	SI.DIODE ROHM	
	D1020	1SS133	SI.DIODE ROHM	
	D1021	1SS133	SI.DIODE ROHM	
	D1022	1SS133	SI.DIODE ROHM	
	D1023	MTZ3.3JB	ZENER DIODE ROHM	
	D1061	MTZ2.4JB	ZENER DIODE ROHM	
	D1063	1SS133	SI.DIODE ROHM	
	D1065	1SS133	SI.DIODE ROHM	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C501	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C502	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	A
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	C
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	J
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	U
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	UB
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	UC
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	UP
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	US
	C503	QCBB1HK-101Y	100PF 50V CER.CAPACI	UT
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	BS
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	EF
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	EN
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	G
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	GI
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	V
	C503	QCSB1HJ-470	47PF 50V CER.CAPACI	VX
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	A
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	C
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	J
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	U
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	UB
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	UC
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	UP
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	US
	C504	QCBB1HK-101Y	100PF 50V CER.CAPACI	UT
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	BS
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	EF
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	EN
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	G
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	GI
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	V
	C504	QCSB1HJ-470	47PF 50V CER.CAPACI	VX
	C505	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C506	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C507	QETB1EM-476	47MF 25V AL E.CAPAC	
	C508	QETB1EM-476	47MF 25V AL E.CAPAC	
	C509	QCSB1HJ-100Y	10PF 50V CER.CAPACI	
	C510	QCSB1HJ-100Y	10PF 50V CER.CAPACI	
	C511	QETB1HM-226E	22MF 50V E.CAPACITO	
	C512	QETB1HM-226E	22MF 50V E.CAPACITO	
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	A
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	BS
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	EF
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	EN
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	G
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	GI
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	U
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	UB
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	UC
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	UP
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	US
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	UT
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	V
	C513	QFVB1HJ-104	0.1MF 50V THIN FILM	VX
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	A
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	BS
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	EF
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	EN
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	G
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	GI
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	U
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	UB
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	UC
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	UP
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	US
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	UT
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	V
	C514	QFVB1HJ-104	0.1MF 50V THIN FILM	VX
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	A
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	BS
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	EF
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	EN
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	G
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	GI
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	U
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	UB
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	UC
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	UP
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	US
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	UT
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	V
	C515	QFVB1HJ-104	0.1MF 50V THIN FILM	VX
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	A
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	BS
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	EF
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	EN
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	G
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	GI
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	U
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	UB
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	UC
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	UP
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	US
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	UT
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	V
	C516	QFVB1HJ-104	0.1MF 50V THIN FILM	VX
	C517	QFVB1HJ-103	0.01MF 50V THIN FILM	
	C519	QFVB1HJ-473	0.047MF 50V THIN FILM	C
	C519	QFVB1HJ-473	0.047MF 50V THIN FILM	J
	C520	QFVB1HJ-473	0.047MF 50V THIN FILM	C
	C520	QFVB1HJ-473	0.047MF 50V THIN FILM	J
	C523	QETB1HM-474	0.47MF 50V E.CAPACITO	
	C525	QETB1CM-476	47MF 16V AL E.CAPAC	
	C526	QETB1EM-106	10MF 25V AL E.CAPAC	
	C527	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	BS
	C527	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	EF
	C527	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	EN
	C527	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	G

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C527	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	GI
	C527	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	V
	C527	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	VX
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	BS
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	EF
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	EN
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	G
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	GI
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	V
	C528	QFLB1HJ-104	0.1MF	50V	MYLAR CAPA	VX
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	BS
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	EF
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	EN
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	G
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	GI
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	V
	C535	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	VX
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	BS
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	EF
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	EN
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	G
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	GI
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	V
	C536	QCXB1CM-222Y	2200PF	16V	CER.CAPACI	VX
	C596	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C597	QFLB1HJ-223	0.022MF	50V	MYLAR CAPA	
	C598	QETB1AM-107	100MF	10V	AL E.CAPAC	
	C751	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C752	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C756	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C757	QCZ0202-155	1.5MF	25V	CER.RESIST	
	C758	QCVB1CM-103Y	0.01MF	16V	CER.CAPACI	
	C759	QETB1CM-107	100MF	16V	AL E.CAPAC	
	C903	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C904	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C905	QCBB1HK-561Y	560PF	50V	CER.CAPACI	
	C906	QCBB1HK-561Y	560PF	50V	CER.CAPACI	
	C907	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C908	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C911	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C912	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C913	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C914	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C917	QFLB1HJ-473	0.047MF	50V	MYLAR CAPA	
	C918	QFLB1HJ-473	0.047MF	50V	MYLAR CAPA	
	C919	QFVB1HJ-224	0.22MF	50V	THIN FILM	
	C920	QFVB1HJ-224	0.22MF	50V	THIN FILM	
	C921	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C922	QER51HM-475	4.7MF	50V	AL E.CAPAC	
	C923	QER51HM-475	4.7MF	50V	AL E.CAPAC	
	C924	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C925	QFLB1HJ-223	0.022MF	50V	MYLAR CAPA	
	C926	QFLB1HJ-223	0.022MF	50V	MYLAR CAPA	
	C927	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C928	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C1001	QETM1HM-228	2200MF	50V	E.CAPACITO	
	C1002	QETM1HM-228	2200MF	50V	E.CAPACITO	
	C1003	QETM1VM-228J7	2200MF	35V	E.CAPACITO	
	C1004	QETM1VM-228J7	2200MF	35V	E.CAPACITO	
	C1005	QCXB1CM-272Y	2700PF	16V	CER.CAPACI	
	C1006	QCXB1CM-272Y	2700PF	16V	CER.CAPACI	
	C1007	QCXB1CM-472Y	4700PF	16V	CER.CAPACI	
	C1008	QCXB1CM-472Y	4700PF	16V	CER.CAPACI	
	C1009	QFVB1HJ-105	1MF	50V	THIN FILM	
	C1010	QFVB1HJ-105	1MF	50V	THIN FILM	
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	A
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	C
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	J
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	U
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UB
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UC
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UP
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	US
	C1011	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UT
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	BS
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	EF
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	EN
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	G
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	GI
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	V
	C1011	QFVB2AJ-104	0.1MF	100V	THIN FILM	VX
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	A
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	C
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	J
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	U
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UB
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UC
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UP
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	US
	C1012	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UT
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	BS
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	EF
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	EN
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	G
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	GI
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	V
	C1012	QFVB2AJ-104	0.1MF	100V	THIN FILM	VX
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	A
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	C
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	J
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	U
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UB
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UC
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UP
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	US
	C1013	QFNB2AJ-103	0.01MF	100V	MYLAR CAPA	UT
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	BS
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	EF
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	EN
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	G

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	GI
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	V
	C1013	QFVB2AJ-104	0.1MF	100V	THIN FILM	VX
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	A
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	C
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	J
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	U
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	UB
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	UC
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	UP
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	US
	C1014	QFVB1HJ-103	0.01MF	50V	THIN FILM	UT
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	BS
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	EF
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	EN
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	G
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	GI
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	V
	C1014	QFVB1HJ-104	0.1MF	50V	THIN FILM	VX
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	A
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	C
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	J
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	U
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	UB
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	UC
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	UP
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	US
	C1015	QFVB1HJ-103	0.01MF	50V	THIN FILM	UT
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	BS
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	EF
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	EN
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	G
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	GI
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	V
	C1015	QFVB1HJ-104	0.1MF	50V	THIN FILM	VX
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	A
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	C
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	J
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	U
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	UB
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	UC
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	UP
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	US
	C1016	QFVB1HJ-103	0.01MF	50V	THIN FILM	UT
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	BS
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	EF
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	EN
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	G
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	GI
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	V
	C1016	QFVB1HJ-104	0.1MF	50V	THIN FILM	VX
	C1061	QETB1HM-224	0.22MF	50V	AL E.CAPAC	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSITIO	C
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSITIO	J
	R002	QRD161J-104	100K	1/6W	CARBON RES	U
	R002	QRD161J-104	100K	1/6W	CARBON RES	UB
	R002	QRD161J-104	100K	1/6W	CARBON RES	UC
	R002	QRD161J-104	100K	1/6W	CARBON RES	US
	R002	QRD161J-104	100K	1/6W	CARBON RES	UT
	R003	QRD161J-104	100K	1/6W	CARBON RES	U
	R003	QRD161J-104	100K	1/6W	CARBON RES	UB
	R003	QRD161J-104	100K	1/6W	CARBON RES	UC
	R003	QRD161J-104	100K	1/6W	CARBON RES	US
	R003	QRD161J-104	100K	1/6W	CARBON RES	UT
	R004	QRD161J-104	100K	1/6W	CARBON RES	U
	R004	QRD161J-104	100K	1/6W	CARBON RES	UB
	R004	QRD161J-104	100K	1/6W	CARBON RES	UC
	R004	QRD161J-104	100K	1/6W	CARBON RES	US
	R004	QRD161J-104	100K	1/6W	CARBON RES	UT
	R501	QRD161J-471	470	1/6W	CARBON RES	
	R502	QRD161J-471	470	1/6W	CARBON RES	
	R503	QRD161J-563	56K	1/6W	CARBON RES	
	R504	QRD161J-563	56K	1/6W	CARBON RES	
	R505	QRD14CJ-821SX	820	1/4W	CARBON RES	
	R506	QRD14CJ-821SX	820	1/4W	CARBON RES	
	R507	QRD161J-563	56K	1/6W	CARBON RES	
	R508	QRD161J-563	56K	1/6W	CARBON RES	
⚠	R509	QRX014J-R22	0.22	1W	METAL FILM	
⚠	R510	QRX014J-R22	0.22	1W	METAL FILM	
⚠	R511	QRX014J-R22	0.22	1W	METAL FILM	
⚠	R512	QRX014J-R22	0.22	1W	METAL FILM	
⚠	R513	QRD14CJ-100SX	10	1/4W	UNF.CARBON	
⚠	R514	QRD14CJ-100SX	10	1/4W	UNF.CARBON	
⚠	R515	QRD14CJ-100SX	10	1/4W	UNF.CARBON	
⚠	R516	QRD14CJ-100SX	10	1/4W	UNF.CARBON	
	R517	QRD161J-122	1.2K	1/6W	CARBON RES	
	R518	QRD161J-122	1.2K	1/6W	CARBON RES	
	R519	QRD167J-223	22K	1/6W	CARBON RES	
	R520	QRD167J-223	22K	1/6W	CARBON RES	
	R521	QRD161J-103	10K	1/6W	CARBON RES	
	R522	QRD161J-103	10K	1/6W	CARBON RES	
	R523	QRD161J-681	680	1/6W	CARBON RES	
	R524	QRD161J-105	1M	1/6W	CARBON RES	
	R525	QRD161J-105	1M	1/6W	CARBON RES	
	R526	QRD161J-103	10K	1/6W	CARBON RES	
	R527	QRD161J-104	100K	1/6W	CARBON RES	
	R528	QRD161J-103	10K	1/6W	CARBON RES	
	R529	QRD161J-104	100K	1/6W	CARBON RES	
	R531	QRD161J-104	100K	1/6W	CARBON RES	
	R532	QRD161J-823	82K	1/6W	CARBON RES	
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	BS
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	EF
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	EN
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	G
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	GI
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	V
	R533	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	VX

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	BS
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	EF
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	EN
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	G
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	GI
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	V
	R534	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	VX
	R541	QRD167J-152	1.5K 1/6W CARBON RES	
	R542	QRD161J-222	2.2K 1/6W CARBON RES	
	R543	QRD161J-103	10K 1/6W CARBON RES	
	R545	QRG01DJ-471X	470 1W OXIDE META	
	R546	QRG01DJ-471X	470 1W OXIDE META	
	R581	QRZ0077-220X	22 1/4W FUSIBLE RE	U
	R581	QRZ0077-220X	22 1/4W FUSIBLE RE	UB
	R581	QRZ0077-220X	22 1/4W FUSIBLE RE	UP
	R581	QRZ0077-220X	22 1/4W FUSIBLE RE	US
	R581	QRZ0077-220X	22 1/4W FUSIBLE RE	UT
⚠	R585	QRD14CJ-681SX	680 1/4W UNF.CARBON	
⚠	R586	QRD14CJ-681SX	680 1/4W UNF.CARBON	
⚠	R587	QRD14CJ-681SX	680 1/4W UNF.CARBON	
⚠	R588	QRD14CJ-681SX	680 1/4W UNF.CARBON	
	R589	QRD161J-473	47K 1/6W CARBON RES	
	R590	QRD161J-473	47K 1/6W CARBON RES	
	R591	QRD161J-103	10K 1/6W CARBON RES	
	R594	QRD161J-122	1.2K 1/6W CARBON RES	
	R595	QRD167J-121	120 1/6W CARBON RES	
	R596	QRD161J-103	10K 1/6W CARBON RES	
	R726	QRD161J-103	10K 1/6W CARBON RES	
	R741	QRD161J-102	1K 1/6W CARBON RES	
	R742	QRD161J-102	1K 1/6W CARBON RES	
	R743	QRD161J-102	1K 1/6W CARBON RES	
	R744	QRD161J-102	1K 1/6W CARBON RES	
	R751	QRD161J-103	10K 1/6W CARBON RES	A
	R751	QRD161J-103	10K 1/6W CARBON RES	BS
	R751	QRD161J-103	10K 1/6W CARBON RES	EF
	R751	QRD161J-103	10K 1/6W CARBON RES	EN
	R751	QRD161J-103	10K 1/6W CARBON RES	G
	R751	QRD161J-103	10K 1/6W CARBON RES	GI
	R751	QRD161J-103	10K 1/6W CARBON RES	VX
	R751	QRD161J-563	56K 1/6W CARBON RES	U
	R751	QRD161J-563	56K 1/6W CARBON RES	UB
	R751	QRD161J-563	56K 1/6W CARBON RES	US
	R751	QRD161J-563	56K 1/6W CARBON RES	UT
	R752	QRD161J-103	10K 1/6W CARBON RES	
	R753	QRD161J-102	1K 1/6W CARBON RES	
	R754	QRD161J-104	100K 1/6W CARBON RES	
	R755	QRD161J-103	10K 1/6W CARBON RES	
	R756	QRD161J-103	10K 1/6W CARBON RES	
	R757	QRD167J-562	5.6K 1/6W CARBON RES	
	R758	QRD161J-103	10K 1/6W CARBON RES	
	R759	QRD161J-103	10K 1/6W CARBON RES	
	R760	QRD161J-103	10K 1/6W CARBON RES	
	R761	QRD161J-104	100K 1/6W CARBON RES	
	R762	QRD161J-103	10K 1/6W CARBON RES	
	R763	QRD161J-103	10K 1/6W CARBON RES	
	R764	QRD161J-105	1M 1/6W CARBON RES	
	R765	QRD161J-103	10K 1/6W CARBON RES	
	R766	QRD161J-103	10K 1/6W CARBON RES	
	R768	QRD161J-103	10K 1/6W CARBON RES	
	R769	QRD161J-103	10K 1/6W CARBON RES	
	R770	QRD161J-103	10K 1/6W CARBON RES	
	R775	QRD167J-121	120 1/6W CARBON RES	
	R901	QRD161J-222	2.2K 1/6W CARBON RES	
	R902	QRD161J-222	2.2K 1/6W CARBON RES	
	R903	QRD161J-393	39K 1/6W CARBON RES	
	R904	QRD161J-393	39K 1/6W CARBON RES	
	R905	QRD161J-183	18K 1/6W CARBON RES	
	R906	QRD161J-183	18K 1/6W CARBON RES	
⚠	R907	QRD14CJ-220S	22 1/4W UNF.CARBON	C
⚠	R907	QRD14CJ-220S	22 1/4W UNF.CARBON	J
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	A
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	BS
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	EF
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	EN
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	G
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	GI
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	U
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	UB
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	UC
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	UP
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	US
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	UT
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	V
	R907	QRZ0077-220X	22 1/4W FUSIBLE RE	VX
	R908	QRD161J-103	10K 1/6W CARBON RES	
	R909	QRD161J-183	18K 1/6W CARBON RES	
	R910	QRD161J-183	18K 1/6W CARBON RES	
	R911	QRD161J-105	1M 1/6W CARBON RES	
	R920	QRD161J-273	27K 1/6W CARBON RES	
	R921	QRD161J-473	47K 1/6W CARBON RES	
	R922	QRD161J-473	47K 1/6W CARBON RES	
	R923	QRD161J-473	47K 1/6W CARBON RES	
	R924	QRD161J-103	10K 1/6W CARBON RES	
	R925	QRD161J-104	100K 1/6W CARBON RES	
	R926	QRD161J-274	270K 1/6W CARBON RES	
	R927	QRD161J-103	10K 1/6W CARBON RES	
	R928	QRD161J-105	1M 1/6W CARBON RES	
	R929	QRD161J-104	100K 1/6W CARBON RES	
	R930	QRD161J-105	1M 1/6W CARBON RES	
	R931	QRD161J-913	91K 1/6W CARBON RES	
	R933	QRD161J-754	750K 1/6W CARBON RES	
	R934	QRD161J-754	750K 1/6W CARBON RES	
	R935	QRD161J-102	1K 1/6W CARBON RES	
	R936	QRD161J-102	1K 1/6W CARBON RES	
	R937	QRD161J-202	2K 1/6W CARBON RES	
	R938	QRD161J-202	2K 1/6W CARBON RES	
	R939	QRD161J-392	3.9K 1/6W CARBON RES	
	R940	QRD161J-392	3.9K 1/6W CARBON RES	
	R941	QRD161J-101	100 1/6W CARBON RES	
	R942	QRD161J-101	100 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R943	QRD161J-471	470 1/6W CARBON RES	
	R944	QRD161J-471	470 1/6W CARBON RES	
⚠	R945	QRX022J-3R3A	3.3 2W METAL FILM	
⚠	R946	QRX022J-3R3A	3.3 2W METAL FILM	
	R1001	QRD167J-223	22K 1/6W CARBON RES	
	R1002	QRD167J-223	22K 1/6W CARBON RES	
	R1003	QRD167J-223	22K 1/6W CARBON RES	
	R1004	QRD167J-223	22K 1/6W CARBON RES	
	R1005	QRD161J-221	220 1/6W CARBON RES	
	R1006	QRD161J-221	220 1/6W CARBON RES	
	R1007	QRD161J-222	2.2K 1/6W CARBON RES	
	R1008	QRD161J-222	2.2K 1/6W CARBON RES	
	R1009	QRD161J-222	2.2K 1/6W CARBON RES	
	R1010	QRD161J-222	2.2K 1/6W CARBON RES	
	R1011	QRD167J-223	22K 1/6W CARBON RES	
	R1012	QRD167J-223	22K 1/6W CARBON RES	
	R1013	QRD167J-682	6.8K 1/6W CARBON RES	
	R1014	QRD167J-682	6.8K 1/6W CARBON RES	
⚠	R1015	QRD14CJ-681SX	680 1/4W UNF.CARBON	
⚠	R1016	QRD14CJ-681SX	680 1/4W UNF.CARBON	
	R1017	QRD14CJ-821SX	820 1/4W CARBON RES	
	R1018	QRD14CJ-821SX	820 1/4W CARBON RES	
	R1019	QRD161J-821	820 1/6W CARBON RES	
	R1020	QRD161J-821	820 1/6W CARBON RES	
	R1021	QRD161J-182	1.8K 1/6W CARBON RES	
	R1022	QRD161J-182	1.8K 1/6W CARBON RES	
	R1025	QRD161J-473	47K 1/6W CARBON RES	
	R1026	QRD161J-473	47K 1/6W CARBON RES	
⚠	R1027	QRD14CJ-101S	100 1/4W UNF.CARBON	
⚠	R1028	QRD14CJ-101S	100 1/4W UNF.CARBON	
	R1061	QRD161J-473	47K 1/6W CARBON RES	
	R1062	QRD167J-153	15K 1/6W CARBON RES	
	R1063	QRD161J-103	10K 1/6W CARBON RES	
	R1601	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	
	R1602	QRD14CJ-4R7SX	4.7 1/4W UNF.CARBON	
	VR901	QVPA603-103A	10K TRIMMER RE	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		FMMW1015-002	PRINTED BOA	
	003	QWE884-20RR	VINYL WIRE	U
	003	QWE884-20RR	VINYL WIRE	UB
	003	QWE884-20RR	VINYL WIRE	UC
	003	QWE884-20RR	VINYL WIRE	US
	003	QWE884-20RR	VINYL WIRE	UT
	004	QWE883-24RR	VINYL WIRE	U
	004	QWE883-24RR	VINYL WIRE	UB
	004	QWE883-24RR	VINYL WIRE	UC
	004	QWE883-24RR	VINYL WIRE	US
	004	QWE883-24RR	VINYL WIRE	UT
	005	QWE882-20RR	VINYL WIRE	U
	005	QWE882-20RR	VINYL WIRE	UB
	005	QWE882-20RR	VINYL WIRE	UC
	005	QWE882-20RR	VINYL WIRE	US
	005	QWE882-20RR	VINYL WIRE	UT
	006	QWE881-24RR	VINYL WIRE	U
	006	QWE881-24RR	VINYL WIRE	UB
	006	QWE881-24RR	VINYL WIRE	UC
	006	QWE881-24RR	VINYL WIRE	US
	006	QWE881-24RR	VINYL WIRE	UT
	007	QWE889-24RR	VINYL WIRE	U
	007	QWE889-24RR	VINYL WIRE	UB
	007	QWE889-24RR	VINYL WIRE	UC
	007	QWE889-24RR	VINYL WIRE	US
	007	QWE889-24RR	VINYL WIRE	UT
	008	QWE886-22RR	VINYL WIRE	U
	008	QWE886-22RR	VINYL WIRE	UB
	008	QWE886-22RR	VINYL WIRE	UC
	008	QWE886-22RR	VINYL WIRE	US
	008	QWE886-22RR	VINYL WIRE	UT
	009	QWE888-24RR	VINYL WIRE	U
	009	QWE888-24RR	VINYL WIRE	UB
	009	QWE888-24RR	VINYL WIRE	UC
	009	QWE888-24RR	VINYL WIRE	US
	009	QWE888-24RR	VINYL WIRE	UT
	B013	QWY124-5.0	BUS WIRE I/	
	J541	EMB10TV-4018J4	SPEAKER TER	
	L501	EQL0011-R45J1	INDUCTOR	
	L502	EQL0011-R45J1	INDUCTOR	
	S001	QSR8001-E01U	ROTARY SWIT	U
	S001	QSR8001-E01U	ROTARY SWIT	UB
	S001	QSR8001-E01U	ROTARY SWIT	UC
	S001	QSR8001-E01U	ROTARY SWIT	US
	S001	QSR8001-E01U	ROTARY SWIT	UT
	X751	ECXP6R0-0012A	CRYSTAL	
	CN311	VMC0314-S08	CONNECT TER	
	CN312	VMC0314-S08	CONNECT TER	
	CN313	VMC0314-S14	CONNECT TER	
	CN314	VMC0314-S08	CONNECT TER	
	CN412	EWS293-0122J	SOCKET WIRE	
	CN501	EMV5163-018R	CONNECT TER	
	CN503	EMV7167-016R	CONNECT TER	
	CN504	EMV7167-026R	CONNECT TER	
	CN511	EMV7163-018	CONNECT TER	
	CN512	EMV5125-010	MALE CONNEC	
	CN613	EMV7160-007	CONNECT TER	
	CN614	EMV7155-111R	CONNECT TER	
	CN811	VMC0163-R10	CONNECT TER	
	CN901	VMC0107-R09	CONNECT TER	
⚠	CP901	ICP-N15	I.C.PROTECT	A
⚠	CP901	ICP-N15	I.C.PROTECT	BS
⚠	CP901	ICP-N15	I.C.PROTECT	C
⚠	CP901	ICP-N15	I.C.PROTECT	EF
⚠	CP901	ICP-N15	I.C.PROTECT	EN

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
⚠	CP901	ICP-N15	I.C.PROTECT	G
⚠	CP901	ICP-N15	I.C.PROTECT	GI
⚠	CP901	ICP-N15	I.C.PROTECT	U
⚠	CP901	ICP-N15	I.C.PROTECT	UB
⚠	CP901	ICP-N15	I.C.PROTECT	UP
⚠	CP901	ICP-N15	I.C.PROTECT	US
⚠	CP901	ICP-N15	I.C.PROTECT	UT
⚠	CP901	ICP-N15	I.C.PROTECT	VX
	EP501	E70225-001	EARTH PLATE	
	FT001	VMZ0087-001Z	FUSE HOLDER	A
	FT001	VMZ0087-001Z	FUSE HOLDER	BS
	FT001	VMZ0087-001Z	FUSE HOLDER	C
	FT001	VMZ0087-001Z	FUSE HOLDER	EF
	FT001	VMZ0087-001Z	FUSE HOLDER	EN
	FT001	VMZ0087-001Z	FUSE HOLDER	G
	FT001	VMZ0087-001Z	FUSE HOLDER	GI
	FT001	VMZ0087-001Z	FUSE HOLDER	J
	FT001	VMZ0087-001Z	FUSE HOLDER	V
	FT001	VMZ0087-001Z	FUSE HOLDER	VX
	FT002	VMZ0087-001Z	FUSE HOLDER	A
	FT002	VMZ0087-001Z	FUSE HOLDER	BS
	FT002	VMZ0087-001Z	FUSE HOLDER	C
	FT002	VMZ0087-001Z	FUSE HOLDER	EF
	FT002	VMZ0087-001Z	FUSE HOLDER	EN
	FT002	VMZ0087-001Z	FUSE HOLDER	G
	FT002	VMZ0087-001Z	FUSE HOLDER	GI
	FT002	VMZ0087-001Z	FUSE HOLDER	J
	FT002	VMZ0087-001Z	FUSE HOLDER	V
	FT002	VMZ0087-001Z	FUSE HOLDER	VX
	FT003	VMZ0087-001Z	FUSE HOLDER	U
	FT003	VMZ0087-001Z	FUSE HOLDER	UB
	FT003	VMZ0087-001Z	FUSE HOLDER	UC
	FT003	VMZ0087-001Z	FUSE HOLDER	UP
	FT003	VMZ0087-001Z	FUSE HOLDER	US
	FT003	VMZ0087-001Z	FUSE HOLDER	UT
	FT004	VMZ0087-001Z	FUSE HOLDER	U
	FT004	VMZ0087-001Z	FUSE HOLDER	UB
	FT004	VMZ0087-001Z	FUSE HOLDER	UC
	FT004	VMZ0087-001Z	FUSE HOLDER	UP
	FT004	VMZ0087-001Z	FUSE HOLDER	US
	FT004	VMZ0087-001Z	FUSE HOLDER	UT
	FT005	VMZ0087-001Z	FUSE HOLDER	U
	FT005	VMZ0087-001Z	FUSE HOLDER	UB
	FT005	VMZ0087-001Z	FUSE HOLDER	UC
	FT005	VMZ0087-001Z	FUSE HOLDER	US
	FT005	VMZ0087-001Z	FUSE HOLDER	UT
	FT006	VMZ0087-001Z	FUSE HOLDER	U
	FT006	VMZ0087-001Z	FUSE HOLDER	UB
	FT006	VMZ0087-001Z	FUSE HOLDER	UC
	FT006	VMZ0087-001Z	FUSE HOLDER	US
	FT006	VMZ0087-001Z	FUSE HOLDER	UT
	FT101	VMZ0087-001Z	FUSE HOLDER	
	FT102	VMZ0087-001Z	FUSE HOLDER	
	FT103	VMZ0087-001Z	FUSE HOLDER	
	FT104	VMZ0087-001Z	FUSE HOLDER	
	FW501	EWR39D-25SS	FLAT WIRE A	
	FW581	EWR33D-25SS	FLAT WIRE A	
	FW582	EWR35D-10SS	FLAT WIRE A	
	FW583	EWR36D-16SS	FLAT WIRE A	
	RY501	ESK7D24-213R	RELAY	
	SP751	VYH7653-001	SPRING	
	TB001	EMZ4001-001	TAB	
	TB002	EMZ4001-001	TAB	

⚠ : SAFETY PARTS

■ Deck / Tuner & Source Select P. C. Board Ass'y (FMC-002)

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q103	2SC461	SI.TRANSIST	
	Q107	2SC535	SI.TRANSIST HITACHI	
	Q108	2SC461	SI.TRANSIST	
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	BS
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	EF
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	EN
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	G
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	GI
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	V
	Q111	2SD2144S(VW)	SI.TRANSIST ROHM	VX
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	BS
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	EF
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	EN
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	G
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	GI
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	V
	Q112	2SD2144S(VW)	SI.TRANSIST ROHM	VX
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	BS
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	EF
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	EN
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	G
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	GI
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	V
	Q113	2SD2144S(VW)	SI.TRANSIST ROHM	VX
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	BS
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	EF
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	EN
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	G
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	GI
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	V
	Q114	2SC1740S(R,S)	SI.TRANSIST ROHM	VX
	Q123	BN1A4P	DIGITAL TRA NEC	
	Q124	BN1A4P	DIGITAL TRA NEC	
	Q127	BA1L4M	DIGITAL TRA NEC	
	Q301	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q302	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q303	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q304	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q305	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q306	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q309	DTC144TS	DIGITAL TRA ROHM	
	Q310	DTC144TS	DIGITAL TRA ROHM	
	Q326	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q327	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q328	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q329	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q330	2SC945A	SI.TRANSIST NEC	BS
	Q330	2SC945A	SI.TRANSIST NEC	EF
	Q330	2SC945A	SI.TRANSIST NEC	EN
	Q330	2SC945A	SI.TRANSIST NEC	G
	Q330	2SC945A	SI.TRANSIST NEC	GI
	Q330	2SC945A	SI.TRANSIST NEC	V
	Q330	2SC945A	SI.TRANSIST NEC	VX
	Q331	DTA144ES	DIGITAL TRA ROHM	BS
	Q331	DTA144ES	DIGITAL TRA ROHM	EF
	Q331	DTA144ES	DIGITAL TRA ROHM	EN
	Q331	DTA144ES	DIGITAL TRA ROHM	G
	Q331	DTA144ES	DIGITAL TRA ROHM	GI
	Q331	DTA144ES	DIGITAL TRA ROHM	V
	Q331	DTA144ES	DIGITAL TRA ROHM	VX
	Q341	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q342	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q401	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q402	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q403	DTA144ES	DIGITAL TRA ROHM	
	Q421	DTC144ES	DIGITAL TRA ROHM	U
	Q421	DTC144ES	DIGITAL TRA ROHM	UB
	Q421	DTC144ES	DIGITAL TRA ROHM	UC
	Q421	DTC144ES	DIGITAL TRA ROHM	UP
	Q421	DTC144ES	DIGITAL TRA ROHM	US
	Q421	DTC144ES	DIGITAL TRA ROHM	UT
	Q422	DTA144ES	DIGITAL TRA ROHM	U
	Q422	DTA144ES	DIGITAL TRA ROHM	UB
	Q422	DTA144ES	DIGITAL TRA ROHM	UC
	Q422	DTA144ES	DIGITAL TRA ROHM	UP
	Q422	DTA144ES	DIGITAL TRA ROHM	US
	Q422	DTA144ES	DIGITAL TRA ROHM	UT
	Q551	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q552	2SB1187(F,G)	SI.TRANSIST ROHM	
	Q553	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q554	2SD2061(F,G)	SI.TRANSIST ROHM	
	Q557	DTC144ES	DIGITAL TRA ROHM	
	Q558	DTA144ES	DIGITAL TRA ROHM	
	Q559	DTA144ES	DIGITAL TRA ROHM	
	Q560	DTC144ES	DIGITAL TRA ROHM	
	Q563	2SB1187(F,G)	SI.TRANSIST ROHM	
	Q565	2SA933S(RS)	SI.TRANSIST	
	Q581	2SA934(Q,R)	SI.TRANSIST ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC104	LA1266A	I.C(MONO-AN SANYO	
	IC105	LA3401	I.C(MONO-AN SANYO	
	IC121	LC72131	I.C(M) SANYO	
	IC301	BA15218N	I.C(MONO-AN ROHM	
	IC302	BA15218N	I.C(MONO-AN ROHM	
	IC303	BA15218N	I.C(MONO-AN ROHM	
	IC304	BA3126N	I.C(MONO-AN ROHM	
	IC401	TDA7318	I.C(M) 0062	
	IC403	BA15218N	I.C(MONO-AN ROHM	U
	IC403	BA15218N	I.C(MONO-AN ROHM	UB

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC403	BA15218N	I.C(MONO-AN ROHM	UC
	IC403	BA15218N	I.C(MONO-AN ROHM	UP
	IC403	BA15218N	I.C(MONO-AN ROHM	US
	IC403	BA15218N	I.C(MONO-AN ROHM	UT
	IC413	BA15218N	I.C(MONO-AN ROHM	
	IC421	BU4066B	I.C(DIGI-MO ROHM	U
	IC421	BU4066B	I.C(DIGI-MO ROHM	UB
	IC421	BU4066B	I.C(DIGI-MO ROHM	UC
	IC421	BU4066B	I.C(DIGI-MO ROHM	UP
	IC421	BU4066B	I.C(DIGI-MO ROHM	US
	IC421	BU4066B	I.C(DIGI-MO ROHM	UT
	IC423	BA15218N	I.C(MONO-AN ROHM	U
	IC423	BA15218N	I.C(MONO-AN ROHM	UB
	IC423	BA15218N	I.C(MONO-AN ROHM	UP
	IC423	BA15218N	I.C(MONO-AN ROHM	US
	IC423	BA15218N	I.C(MONO-AN ROHM	UT

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D104	1SS133	SI.DIODE ROHM	
	D105	1SS133	SI.DIODE ROHM	
	D106	1SS133	SI.DIODE ROHM	
	D109	1SS133	SI.DIODE ROHM	
	D110	1SS133	SI.DIODE ROHM	
	D115	1SS133	SI.DIODE ROHM	
	D116	1SS133	SI.DIODE ROHM	
	D120	1SS133	SI.DIODE ROHM	
	D290	1SS133	SI.DIODE ROHM	
	D303	1SS119	SI.DIODE	BS
	D303	1SS119	SI.DIODE	EF
	D303	1SS119	SI.DIODE	EN
	D303	1SS119	SI.DIODE	G
	D303	1SS119	SI.DIODE	GI
	D303	1SS119	SI.DIODE	V
	D303	1SS119	SI.DIODE	VX
	D406	MTZ2.4JB	ZENER DIODE ROHM	U
	D406	MTZ2.4JB	ZENER DIODE ROHM	UB
	D406	MTZ2.4JB	ZENER DIODE ROHM	UP
	D406	MTZ2.4JB	ZENER DIODE ROHM	US
	D406	MTZ2.4JB	ZENER DIODE ROHM	UT
	D407	MTZ2.4JB	ZENER DIODE ROHM	U
	D407	MTZ2.4JB	ZENER DIODE ROHM	UB
	D407	MTZ2.4JB	ZENER DIODE ROHM	UP
	D407	MTZ2.4JB	ZENER DIODE ROHM	US
	D407	MTZ2.4JB	ZENER DIODE ROHM	UT
	D408	MTZ9.1JC	ZENER DIODE ROHM	
	D411	1SS133	SI.DIODE ROHM	
	D412	1SS133	SI.DIODE ROHM	
	D423	MTZ9.1JC	ZENER DIODE ROHM	U
	D423	MTZ9.1JC	ZENER DIODE ROHM	UB
	D423	MTZ9.1JC	ZENER DIODE ROHM	UC
	D423	MTZ9.1JC	ZENER DIODE ROHM	UP
	D423	MTZ9.1JC	ZENER DIODE ROHM	US
	D423	MTZ9.1JC	ZENER DIODE ROHM	UT
	D551	MTZ12JB	ZENER DIODE ROHM	
	D552	MTZ6.8JC	ZENER DIODE ROHM	
	D553	MTZ6.8JC	ZENER DIODE ROHM	
	D554	MTZ13JC	ZENER DIODE ROHM	
	D555	MTZ13JC	ZENER DIODE ROHM	
	D556	1SS133	SI.DIODE ROHM	
	D557	1SS133	SI.DIODE ROHM	
	D558	1SS133	SI.DIODE ROHM	
	D559	1SR35-200A	SI.DIODE ROHM	
	D561	1SR35-200A	SI.DIODE ROHM	
	D562	1SR35-200A	SI.DIODE ROHM	
	D563	1SR35-200A	SI.DIODE ROHM	
	D564	MTZ13JC	ZENER DIODE ROHM	
	D579	MTZ7.5JC	ZENER DIODE ROHM	
	D587	MTZ33JC	ZENER DIODE ROHM	
	D588	1SR35-100	SI.DIODE ROHM	
	D589	1SR35-100	SI.DIODE ROHM	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C101	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C103	QCHB1EZ-223	0.022MF 25V CER.CAPACI	VX
	C111	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C113	QCC21EM-473	0.047MF 25V CER.CAPACI	
	C115	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C116	QCSB1HJ-120Y	12PF 50V CER.CAPACI	
	C122	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C131	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C150	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C151	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C152	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C153	QCC21EM-223	0.022MF 25V CER.CAPACI	
	C154	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C155	QETB1EM-226N	22MF 25V E.CAPACITO	
	C156	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C157	QETB1HM-474	0.47MF 50V E.CAPACITO	
	C158	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C159	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	A
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	C
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	J
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	U
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	UB
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	UC
	C160	QCS21HJ-101A	100PF 50V CER.CAPACI	UP

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C160	QCS21HJ-101A	100PF	50V	CER.CAPACI	US
	C160	QCS21HJ-101A	100PF	50V	CER.CAPACI	UT
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	BS
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	EF
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	EN
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	G
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	GI
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	V
	C160	QCS21HJ-221	220PF	50V	CER.CAPACI	VX
	C161	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	
	C162	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C163	QCY31HK-332Z	3300PF	50V	CER.CAPACI	
	C164	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	
	C165	QETB1HM-474	0.47MF	50V	E.CAPACITO	
	C166	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C167	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C168	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C169	QCF21HP-223A	0.022MF	50V	CER.CAPACI	
	C170	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	
	C171	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C172	QCVB1CM-103Y	0.01MF	16V	CER.CAPACI	
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	A
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	C
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	EF
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	EN
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	G
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	GI
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	J
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	U
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	UB
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	UP
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	US
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	UT
	C173	QFLB1HK-223	0.022MF	50V	MYLAR CAPA	VX
	C173	QFLB1HK-473	0.047MF	50V	MYLAR CAPA	BS
	C174	QFLB1HK-473	0.047MF	50V	MYLAR CAPA	
	C175	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C176	QCY31HK-102Z	1000PF	50V	CER.CAPACI	
	C177	QCBB1HK-271Y	270PF	50V	CER.CAPACI	A
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	BS
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	EF
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	EN
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	G
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	GI
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	V
	C177	QCBB1HK-331Y	330PF	50V	CER.CAPACI	VX
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	C
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	J
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	U
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UB
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UC
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UP
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	US
	C177	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UT
	C178	QCBB1HK-271Y	270PF	50V	CER.CAPACI	A
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	BS
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	EF
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	EN
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	G
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	GI
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	V
	C178	QCBB1HK-331Y	330PF	50V	CER.CAPACI	VX
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	C
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	J
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	U
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UB
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UC
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UP
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	US
	C178	QCBB1HK-681Y	680PF	50V	CER.CAPACI	UT
	C179	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C180	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C181	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C183	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C184	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C185	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C186	QETB1HM-474	0.47MF	50V	E.CAPACITO	
	C187	QFLB1HJ-562	5600PF	50V	MYLAR CAPA	
	C188	QFLB1HJ-562	5600PF	50V	MYLAR CAPA	
	C192	QCC21EM-473	0.047MF	25V	CER.CAPACI	
	C193	QCS21HJ-180A	18PF	50V	CER.CAPACI	
	C194	QCS21HJ-180A	18PF	50V	CER.CAPACI	
	C195	QCY31HK-102Z	1000PF	50V	CER.CAPACI	
	C196	QEN51HM-474	0.47MF	50V	NP E.CAPAC	
	C200	QCF21HP-103A	0.01MF	50V	CER.CAPACI	
	C201	QETB1CM-227	220MF	16V	AL E.CAPAC	
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	BS
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	EF
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	EN
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	G
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	GI
	C203	QCSB1HJ-5R6	5.6PF	50V	CERAMIC	VX
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	BS
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	EF
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	EN
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	G
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	GI
	C204	QCSB1HJ-150Y	15PF	50V	CER.CAPACI	VX
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	BS
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	EF
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	EN
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	G
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	GI
	C205	QCSB1HJ-560	56PF	50V	CERAMIC	VX
	C230	QCF21HP-103A	0.01MF	50V	CER.CAPACI	
	C301	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C302	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C303	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C304	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C305	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C306	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C307	QCBB1HK-181Y	180PF	50V	CER.CAPACI	
	C308	QCBB1HK-181Y	180PF	50V	CER.CAPACI	
	C311	QCSB1HJ-470	47PF	50V	CER.CAPACI	
	C312	QCSB1HJ-470	47PF	50V	CER.CAPACI	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C313	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C314	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C315	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C316	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C317	QETB1EM-106	10MF	25V	AL E.CAPAC	
	C318	QETB1CM-107	100MF	16V	AL E.CAPAC	
	C320	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C321	QFLB1HJ-332	3300PF	50V	MYLAR CAPA	
	C322	QFLB1HJ-332	3300PF	50V	MYLAR CAPA	
	C323	QFLB1HJ-183	0.018MF	50V	MYLAR CAPA	
	C324	QFP31HG-472	4700PF	50V	POLYPROPY.	
	C325	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C326	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	BS
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	EF
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	EN
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	G
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	GI
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	V
	C327	QCBB1HK-561Y	560PF	50V	CER.CAPACI	VX
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	BS
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	EF
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	EN
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	G
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	GI
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	V
	C328	QCHB1EZ-223	0.022MF	25V	CER.CAPACI	VX
	C333	QFLB1HJ-333	0.033MF	50V	MYLAR CAPA	
	C334	QFLB1HJ-333	0.033MF	50V	MYLAR CAPA	
	C347	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C348	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C349	QFLB1HJ-103	0.01MF	50V	MYLAR CAPA	
	C350	QFLB1HJ-103	0.01MF	50V	MYLAR CAPA	
	C353	QCY21HK-392	3900PF	50V	CER.CAPACI	
	C354	QCY21HK-392	3900PF	50V	CER.CAPACI	
	C355	QFN81HJ-822	8200PF	50V	METAL.MYLA	
	C356	QFN81HJ-822	8200PF	50V	METAL.MYLA	
	C361	QCF21HP-473A	0.047MF	50V	CER.CAPACI	
	C362	QCF21HP-473A	0.047MF	50V	CER.CAPACI	
	C365	QEK51HM-225G	2.2MF	50V	AL E.CAPAC	
	C366	QEK51HM-225G	2.2MF	50V	AL E.CAPAC	
	C367	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C368	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C369	QETB1AM-107	100MF	10V	AL E.CAPAC	
	C370	QETB1AM-107	100MF	10V	AL E.CAPAC	
	C371	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C372	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C373	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C374	QETB1EM-476	47MF	25V	AL E.CAPAC	
	C375	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C376	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C377	QCXB1CM-122	1200PF	16V	POLYPROPY.	
	C378	QCXB1CM-122	1200PF	16V	POLYPROPY.	
	C379	QCBB1HK-331Y	330PF	50V	CER.CAPACI	
	C380	QCBB1HK-331Y	330PF	50V	CER.CAPACI	
	C381	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C385	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C386	QFLB1HJ-682	6800PF	50V	MYLAR CAPA	
	C387	QETB1AM-107	100MF	10V	AL E.CAPAC	
	C388	QETB1AM-107	100MF	10V	AL E.CAPAC	
	C389	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C390	QETB1HM-225	2.2MF	50V	AL E.CAPAC	
	C391	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C392	QETB1CM-476	47MF	16V	AL E.CAPAC	
	C393	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C394	QCBB1HK-101Y	100PF	50V	CER.CAPACI	
	C395	QCXB1CM-152Y	1500PF	16V	CER.CAPACI	
	C396	QCXB1CM-152Y	1500PF	16V	CER.CAPACI	
	C397	QCBB1HK-391Y	390PF	50V	CER.CAPACI	
	C398	QCBB1HK-391Y	390PF	50V	CER.CAPACI	
	C401	QETB1HM-224	0.22MF	50V	AL E.CAPAC	
	C402	QETB1HM-224	0.22MF	50V	AL E.CAPAC	
	C403	QETB1HM-224	0.22MF	50V	AL E.CAPAC	
	C404	QETB1HM-224	0.22MF	50V	AL E.CAPAC	
	C405	QCBB1HK-102Y	1000PF	50V	CER.CAPACI	
	C406	QCBB1HK-102Y	1000PF	50V	CER.CAPACI	
	C407	QETB1CM-226	22MF	16V	E.CAPACITO	
	C408	QETB1CM-226	22MF	16V	E.CAPACITO	
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	A
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	BS
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	C
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	EF
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	EN
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	G
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	GI
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	J
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	V
	C409	QETB1HM-475E	4.7MF	50V	E.CAPACITO	VX
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	A
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	BS
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	C
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	EF
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	EN
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	G
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	GI
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	J
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	V
	C410	QETB1HM-475E	4.7MF	50V	E.CAPACITO	VX
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	U
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UB
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UC
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UP
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	US
	C411	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UT
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	U
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UB
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UC
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UP
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	US
	C412	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UT
	C413	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C414	QETB1HM-475E	4.7MF	50V	E.CAPACITO	
	C415	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C416	QETB1HM-105	1MF	50V	AL E.CAPAC	
	C418	QFLB1HJ-683	0.068MF	50V	MYLAR CAPA	U

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C418	QFLB1HJ-683	0.068MF 50V MYLAR CAPA	UB
	C418	QFLB1HJ-683	0.068MF 50V MYLAR CAPA	UC
	C418	QFLB1HJ-683	0.068MF 50V MYLAR CAPA	UP
	C418	QFLB1HJ-683	0.068MF 50V MYLAR CAPA	US
	C418	QFLB1HJ-683	0.068MF 50V MYLAR CAPA	UT
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	U
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	UB
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	UC
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	UP
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	US
	C419	QETB1HM-475E	4.7MF 50V E.CAPACITO	UT
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	U
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	UB
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	UC
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	UP
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	US
	C421	QETB1HM-475E	4.7MF 50V E.CAPACITO	UT
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	U
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	UB
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	UC
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	UP
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	US
	C422	QETB1HM-475E	4.7MF 50V E.CAPACITO	UT
	C423	QETB1CM-226	22MF 16V E.CAPACITO	U
	C423	QETB1CM-226	22MF 16V E.CAPACITO	UB
	C423	QETB1CM-226	22MF 16V E.CAPACITO	UC
	C423	QETB1CM-226	22MF 16V E.CAPACITO	UP
	C423	QETB1CM-226	22MF 16V E.CAPACITO	US
	C423	QETB1CM-226	22MF 16V E.CAPACITO	UT
	C425	QETB1HM-475E	4.7MF 50V E.CAPACITO	U
	C425	QETB1HM-475E	4.7MF 50V E.CAPACITO	UB
	C425	QETB1HM-475E	4.7MF 50V E.CAPACITO	UP
	C425	QETB1HM-475E	4.7MF 50V E.CAPACITO	US
	C425	QETB1HM-475E	4.7MF 50V E.CAPACITO	UT
	C426	QETB1HM-475E	4.7MF 50V E.CAPACITO	U
	C426	QETB1HM-475E	4.7MF 50V E.CAPACITO	UB
	C426	QETB1HM-475E	4.7MF 50V E.CAPACITO	UP
	C426	QETB1HM-475E	4.7MF 50V E.CAPACITO	US
	C426	QETB1HM-475E	4.7MF 50V E.CAPACITO	UT
	C427	QCBB1HK-101Y	100PF 50V CER.CAPACI	U
	C427	QCBB1HK-101Y	100PF 50V CER.CAPACI	UB
	C427	QCBB1HK-101Y	100PF 50V CER.CAPACI	UP
	C427	QCBB1HK-101Y	100PF 50V CER.CAPACI	US
	C427	QCBB1HK-101Y	100PF 50V CER.CAPACI	UT
	C428	QCBB1HK-101Y	100PF 50V CER.CAPACI	U
	C428	QCBB1HK-101Y	100PF 50V CER.CAPACI	UB
	C428	QCBB1HK-101Y	100PF 50V CER.CAPACI	UP
	C428	QCBB1HK-101Y	100PF 50V CER.CAPACI	US
	C428	QCBB1HK-101Y	100PF 50V CER.CAPACI	UT
	C430	QETB1CM-226	22MF 16V E.CAPACITO	
	C451	QFLB1HJ-472	4700PF 50V MYLAR CAPA	
	C452	QFLB1HJ-472	4700PF 50V MYLAR CAPA	
	C453	QFLB1HJ-821	820PF 50V MYLAR CAPA	
	C454	QFLB1HJ-821	820PF 50V MYLAR CAPA	
	C455	QETB1HM-105	1MF 50V AL E.CAPAC	
	C456	QETB1HM-105	1MF 50V AL E.CAPAC	
	C457	QFVB1HJ-104	0.1MF 50V THIN FILM	
	C458	QFVB1HJ-104	0.1MF 50V THIN FILM	
	C459	QETB1CM-226	22MF 16V E.CAPACITO	
	C460	QETB1CM-226	22MF 16V E.CAPACITO	
	C485	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C486	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C487	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C488	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C489	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C490	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	A
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	G
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	GI
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	U
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UB
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UP
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	US
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UT
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	V
	C495	QCHB1EZ-223	0.022MF 25V CER.CAPACI	VX
	C551	QETB1EM-106	10MF 25V AL E.CAPAC	
	C552	QETB1CM-476	47MF 16V AL E.CAPAC	
	C553	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C554	QETB1AM-476	47MF 10V E.CAPACITO	
	C555	QETB1EM-106	10MF 25V AL E.CAPAC	
	C556	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C564	QETB1CM-476	47MF 16V AL E.CAPAC	
	C565	QFLB1HJ-103	0.01MF 50V MYLAR CAPA	
	C566	QETB1EM-106	10MF 25V AL E.CAPAC	
	C577	QETB1JM-107	100MF 63V AL E.CAPAC	
	C578	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C584	QETB1HM-226E	22MF 50V E.CAPACITO	
	C585	QETB1HM-226E	22MF 50V E.CAPACITO	
	C586	QETB1JM-476	47MF 63V AL E.CAPAC	
	C588	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	BS
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	EF
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	EN
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	G
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	GI
	C1701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	VX

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R110	QRD161J-473	47K 1/6W CARBON RES	VX
	R111	QRD161J-472	4.7K 1/6W CARBON RES	BS
	R111	QRD161J-472	4.7K 1/6W CARBON RES	EF
	R111	QRD161J-472	4.7K 1/6W CARBON RES	EN
	R111	QRD161J-472	4.7K 1/6W CARBON RES	G
	R111	QRD161J-472	4.7K 1/6W CARBON RES	GI
	R111	QRD161J-472	4.7K 1/6W CARBON RES	V
	R111	QRD161J-472	4.7K 1/6W CARBON RES	VX
	R112	QRD161J-472	4.7K 1/6W CARBON RES	BS
	R112	QRD161J-472	4.7K 1/6W CARBON RES	EF
	R112	QRD161J-472	4.7K 1/6W CARBON RES	EN
	R112	QRD161J-472	4.7K 1/6W CARBON RES	G
	R112	QRD161J-472	4.7K 1/6W CARBON RES	GI
	R112	QRD161J-472	4.7K 1/6W CARBON RES	V
	R112	QRD161J-472	4.7K 1/6W CARBON RES	VX
	R113	QRD161J-472	4.7K 1/6W CARBON RES	BS
	R113	QRD161J-472	4.7K 1/6W CARBON RES	EF
	R113	QRD161J-472	4.7K 1/6W CARBON RES	EN
	R113	QRD161J-472	4.7K 1/6W CARBON RES	G
	R113	QRD161J-472	4.7K 1/6W CARBON RES	GI
	R113	QRD161J-472	4.7K 1/6W CARBON RES	V
	R113	QRD161J-472	4.7K 1/6W CARBON RES	VX
	R114	QRD161J-103	10K 1/6W CARBON RES	BS
	R114	QRD161J-103	10K 1/6W CARBON RES	EF
	R114	QRD161J-103	10K 1/6W CARBON RES	EN
	R114	QRD161J-103	10K 1/6W CARBON RES	G
	R114	QRD161J-103	10K 1/6W CARBON RES	GI
	R114	QRD161J-103	10K 1/6W CARBON RES	V
	R114	QRD161J-103	10K 1/6W CARBON RES	VX
	R115	QRD161J-222	2.2K 1/6W CARBON RES	
	R116	QRD161J-104	100K 1/6W CARBON RES	
	R117	QRD161J-222	2.2K 1/6W CARBON RES	BS
	R117	QRD161J-222	2.2K 1/6W CARBON RES	EF
	R117	QRD161J-222	2.2K 1/6W CARBON RES	EN
	R117	QRD161J-222	2.2K 1/6W CARBON RES	G
	R117	QRD161J-222	2.2K 1/6W CARBON RES	GI
	R117	QRD161J-222	2.2K 1/6W CARBON RES	V
	R117	QRD161J-222	2.2K 1/6W CARBON RES	VX
	R118	QRD167J-332	3.3K 1/6W CARBON RES	
	R119	QRD161J-221	220 1/6W CARBON RES	
	R121	QRD161J-391	390 1/6W CARBON RES	
	R122	QRD167J-272	2.7K 1/6W CARBON RES	
	R123	QRD161J-102	1K 1/6W CARBON RES	
	R124	QRD161J-681	680 1/6W CARBON RES	
	R125	QRD167J-332	3.3K 1/6W CARBON RES	
	R126	QRD161J-221	220 1/6W CARBON RES	
	R130	QRD167J-562	5.6K 1/6W CARBON RES	BS
	R130	QRD167J-562	5.6K 1/6W CARBON RES	EF
	R130	QRD167J-562	5.6K 1/6W CARBON RES	EN
	R130	QRD167J-562	5.6K 1/6W CARBON RES	G
	R130	QRD167J-562	5.6K 1/6W CARBON RES	GI
	R130	QRD167J-562	5.6K 1/6W CARBON RES	VX
	R135	QRD161J-101	100 1/6W CARBON RES	BS
	R135	QRD161J-101	100 1/6W CARBON RES	EF
	R135	QRD161J-101	100 1/6W CARBON RES	EN
	R135	QRD161J-101	100 1/6W CARBON RES	G
	R135	QRD161J-101	100 1/6W CARBON RES	GI
	R135	QRD161J-101	100 1/6W CARBON RES	VX
	R135	QRD161J-470	47 1/6W CARBON RES	A
	R135	QRD161J-470	47 1/6W CARBON RES	C
	R135	QRD161J-470	47 1/6W CARBON RES	J
	R135	QRD161J-470	47 1/6W CARBON RES	U
	R135	QRD161J-470	47 1/6W CARBON RES	UB
	R135	QRD161J-470	47 1/6W CARBON RES	UP
	R135	QRD161J-470	47 1/6W CARBON RES	US
	R135	QRD161J-470	47 1/6W CARBON RES	UT
	R146	QRD167J-560	56 1/6W CARBON RES	
	R147	QRD161J-103	10K 1/6W CARBON RES	
	R148	QRD161J-103	10K 1/6W CARBON RES	
	R149	QRD161J-273	27K 1/6W CARBON RES	
	R150	QRD161J-103	10K 1/6W CARBON RES	
	R153	QRD161J-103	10K 1/6W CARBON RES	
	R154	QRD161J-103	10K 1/6W CARBON RES	
	R155	QRD167J-562	5.6K 1/6W CARBON RES	
	R157	QRD161J-103	10K 1/6W CARBON RES	
	R158	QRD161J-183	18K 1/6W CARBON RES	C
	R158	QRD161J-183	18K 1/6W CARBON RES	J
	R158	QRD161J-333	33K 1/6W CARBON RES	A
	R158	QRD161J-333	33K 1/6W CARBON RES	BS
	R158	QRD161J-333	33K 1/6W CARBON RES	EF
	R158	QRD161J-333	33K 1/6W CARBON RES	EN
	R158	QRD161J-333	33K 1/6W CARBON RES	G
	R158	QRD161J-333	33K 1/6W CARBON RES	GI
	R158	QRD161J-333	33K 1/6W CARBON RES	U
	R158	QRD161J-333	33K 1/6W CARBON RES	UB
	R158	QRD161J-333	33K 1/6W CARBON RES	UC
	R158	QRD161J-333	33K 1/6W CARBON RES	UP
	R158	QRD161J-333	33K 1/6W CARBON RES	US
	R158	QRD161J-333	33K 1/6W CARBON RES	UT
	R158	QRD161J-333	33K 1/6W CARBON RES	V
	R158	QRD161J-333	33K 1/6W CARBON RES	VX
	R159	QRD161J-561	560 1/6W CARBON RES	
	R160	QRD161J-123	12K 1/6W CARBON RES	A
	R160	QRD161J-123	12K 1/6W CARBON RES	C
	R160	QRD161J-123	12K 1/6W CARBON RES	J
	R160	QRD161J-123	12K 1/6W CARBON RES	U
	R160	QRD161J-123	12K 1/6W CARBON RES	UB
	R160	QRD161J-123	12K 1/6W CARBON RES	UC
	R160	QRD161J-123	12K 1/6W CARBON RES	UP
	R160	QRD161J-123	12K 1/6W CARBON RES	US
	R160	QRD161J-123	12K 1/6W CARBON RES	UT
	R160	QRD161J-273	27K 1/6W CARBON RES	EF
	R160	QRD161J-273	27K 1/6W CARBON RES	EN
	R160	QRD161J-273	27K 1/6W CARBON RES	G
	R160	QRD161J-273	27K 1/6W CARBON RES	GI
	R160	QRD161J-273	27K 1/6W CARBON RES	V
	R160	QRD161J-273	27K 1/6W CARBON RES	VX
	R160	QRD167J-332	3.3K 1/6W CARBON RES	BS
	R161	QRD161J-124	120K 1/6W CARBON RES	C
	R161	QRD161J-124	120K 1/6W CARBON RES	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R161	QRD161J-124	120K 1/6W CARBON RES	U
	R161	QRD161J-124	120K 1/6W CARBON RES	UB
	R161	QRD161J-124	120K 1/6W CARBON RES	UC
	R161	QRD161J-124	120K 1/6W CARBON RES	UP
	R161	QRD161J-124	120K 1/6W CARBON RES	US
	R161	QRD161J-124	120K 1/6W CARBON RES	UT
	R161	QRD161J-184	180K 1/6W CARBON RES	A
	R161	QRD161J-184	180K 1/6W CARBON RES	BS
	R161	QRD161J-184	180K 1/6W CARBON RES	EF
	R161	QRD161J-184	180K 1/6W CARBON RES	EN
	R161	QRD161J-184	180K 1/6W CARBON RES	G
	R161	QRD161J-184	180K 1/6W CARBON RES	GI
	R161	QRD161J-184	180K 1/6W CARBON RES	V
	R161	QRD161J-184	180K 1/6W CARBON RES	VX
	R162	QRD161J-124	120K 1/6W CARBON RES	C
	R162	QRD161J-124	120K 1/6W CARBON RES	J
	R162	QRD161J-124	120K 1/6W CARBON RES	U
	R162	QRD161J-124	120K 1/6W CARBON RES	UB
	R162	QRD161J-124	120K 1/6W CARBON RES	UC
	R162	QRD161J-124	120K 1/6W CARBON RES	UP
	R162	QRD161J-124	120K 1/6W CARBON RES	US
	R162	QRD161J-124	120K 1/6W CARBON RES	UT
	R162	QRD161J-184	180K 1/6W CARBON RES	A
	R162	QRD161J-184	180K 1/6W CARBON RES	BS
	R162	QRD161J-184	180K 1/6W CARBON RES	EF
	R162	QRD161J-184	180K 1/6W CARBON RES	EN
	R162	QRD161J-184	180K 1/6W CARBON RES	G
	R162	QRD161J-184	180K 1/6W CARBON RES	GI
	R162	QRD161J-184	180K 1/6W CARBON RES	V
	R162	QRD161J-184	180K 1/6W CARBON RES	VX
	R163	QRD167J-152	1.5K 1/6W CARBON RES	
	R164	QRD167J-152	1.5K 1/6W CARBON RES	
	R165	QRD161J-184	180K 1/6W CARBON RES	C
	R165	QRD161J-184	180K 1/6W CARBON RES	J
	R165	QRD161J-184	180K 1/6W CARBON RES	U
	R165	QRD161J-184	180K 1/6W CARBON RES	UB
	R165	QRD161J-184	180K 1/6W CARBON RES	UC
	R165	QRD161J-184	180K 1/6W CARBON RES	UP
	R165	QRD161J-184	180K 1/6W CARBON RES	US
	R165	QRD161J-184	180K 1/6W CARBON RES	UT
	R165	QRD161J-274	270K 1/6W CARBON RES	A
	R165	QRD161J-274	270K 1/6W CARBON RES	BS
	R165	QRD161J-274	270K 1/6W CARBON RES	EF
	R165	QRD161J-274	270K 1/6W CARBON RES	EN
	R165	QRD161J-274	270K 1/6W CARBON RES	G
	R165	QRD161J-274	270K 1/6W CARBON RES	GI
	R165	QRD161J-274	270K 1/6W CARBON RES	V
	R165	QRD161J-274	270K 1/6W CARBON RES	VX
	R166	QRD161J-184	180K 1/6W CARBON RES	C
	R166	QRD161J-184	180K 1/6W CARBON RES	J
	R166	QRD161J-184	180K 1/6W CARBON RES	U
	R166	QRD161J-184	180K 1/6W CARBON RES	UB
	R166	QRD161J-184	180K 1/6W CARBON RES	UC
	R166	QRD161J-184	180K 1/6W CARBON RES	UP
	R166	QRD161J-184	180K 1/6W CARBON RES	US
	R166	QRD161J-184	180K 1/6W CARBON RES	UT
	R166	QRD161J-274	270K 1/6W CARBON RES	A
	R166	QRD161J-274	270K 1/6W CARBON RES	BS
	R166	QRD161J-274	270K 1/6W CARBON RES	EF
	R166	QRD161J-274	270K 1/6W CARBON RES	EN
	R166	QRD161J-274	270K 1/6W CARBON RES	G
	R166	QRD161J-274	270K 1/6W CARBON RES	GI
	R166	QRD161J-274	270K 1/6W CARBON RES	V
	R166	QRD161J-274	270K 1/6W CARBON RES	VX
	R167	QRD161J-183	18K 1/6W CARBON RES	V
	R167	QRD161J-393	39K 1/6W CARBON RES	BS
	R167	QRD161J-393	39K 1/6W CARBON RES	EF
	R167	QRD161J-393	39K 1/6W CARBON RES	EN
	R167	QRD161J-393	39K 1/6W CARBON RES	G
	R167	QRD161J-393	39K 1/6W CARBON RES	GI
	R167	QRD161J-393	39K 1/6W CARBON RES	VX
	R167	QRD161J-473	47K 1/6W CARBON RES	A
	R167	QRD161J-683	68K 1/6W CARBON RES	C
	R167	QRD161J-683	68K 1/6W CARBON RES	J
	R167	QRD161J-683	68K 1/6W CARBON RES	U
	R167	QRD161J-683	68K 1/6W CARBON RES	UB
	R167	QRD161J-683	68K 1/6W CARBON RES	UC
	R167	QRD161J-683	68K 1/6W CARBON RES	UP
	R167	QRD161J-683	68K 1/6W CARBON RES	US
	R167	QRD161J-683	68K 1/6W CARBON RES	UT
	R168	QRD161J-103	10K 1/6W CARBON RES	
	R169	QRD161J-103	10K 1/6W CARBON RES	
	R170	QRD167J-822	8.2K 1/6W CARBON RES	
	R173	QRD167J-152	1.5K 1/6W CARBON RES	EF
	R173	QRD167J-152	1.5K 1/6W CARBON RES	EN
	R173	QRD167J-152	1.5K 1/6W CARBON RES	G
	R173	QRD167J-152	1.5K 1/6W CARBON RES	GI
	R173	QRD167J-152	1.5K 1/6W CARBON RES	VX
	R173	QRD167J-272	2.7K 1/6W CARBON RES	A
	R173	QRD167J-272	2.7K 1/6W CARBON RES	BS
	R173	QRD167J-272	2.7K 1/6W CARBON RES	C
	R173	QRD167J-272	2.7K 1/6W CARBON RES	J
	R173	QRD167J-272	2.7K 1/6W CARBON RES	U
	R173	QRD167J-272	2.7K 1/6W CARBON RES	UB
	R173	QRD167J-272	2.7K 1/6W CARBON RES	UP
	R173	QRD167J-272	2.7K 1/6W CARBON RES	US
	R173	QRD167J-272	2.7K 1/6W CARBON RES	UT
	R174	QRD167J-152	1.5K 1/6W CARBON RES	EF
	R174	QRD167J-152	1.5K 1/6W CARBON RES	EN
	R174	QRD167J-152	1.5K 1/6W CARBON RES	G
	R174	QRD167J-152	1.5K 1/6W CARBON RES	GI
	R174	QRD167J-152	1.5K 1/6W CARBON RES	VX
	R174	QRD167J-272	2.7K 1/6W CARBON RES	A
	R174	QRD167J-272	2.7K 1/6W CARBON RES	BS
	R174	QRD167J-272	2.7K 1/6W CARBON RES	C
	R174	QRD167J-272	2.7K 1/6W CARBON RES	J
	R174	QRD167J-272	2.7K 1/6W CARBON RES	U
	R174	QRD167J-272	2.7K 1/6W CARBON RES	UB
	R174	QRD167J-272	2.7K 1/6W CARBON RES	UP
	R174	QRD167J-272	2.7K 1/6W CARBON RES	US

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R174	QRD167J-272	2.7K 1/6W CARBON RES	UT
	R175	QRD161J-182	1.8K 1/6W CARBON RES	A
	R175	QRD161J-182	1.8K 1/6W CARBON RES	BS
	R175	QRD161J-182	1.8K 1/6W CARBON RES	C
	R175	QRD161J-182	1.8K 1/6W CARBON RES	J
	R175	QRD161J-182	1.8K 1/6W CARBON RES	U
	R175	QRD161J-182	1.8K 1/6W CARBON RES	UB
	R175	QRD161J-182	1.8K 1/6W CARBON RES	UP
	R175	QRD161J-182	1.8K 1/6W CARBON RES	US
	R175	QRD161J-182	1.8K 1/6W CARBON RES	UT
	R175	QRD167J-332	3.3K 1/6W CARBON RES	EF
	R175	QRD167J-332	3.3K 1/6W CARBON RES	EN
	R175	QRD167J-332	3.3K 1/6W CARBON RES	G
	R175	QRD167J-332	3.3K 1/6W CARBON RES	GI
	R175	QRD167J-332	3.3K 1/6W CARBON RES	VX
	R176	QRD161J-182	1.8K 1/6W CARBON RES	A
	R176	QRD161J-182	1.8K 1/6W CARBON RES	BS
	R176	QRD161J-182	1.8K 1/6W CARBON RES	C
	R176	QRD161J-182	1.8K 1/6W CARBON RES	J
	R176	QRD161J-182	1.8K 1/6W CARBON RES	U
	R176	QRD161J-182	1.8K 1/6W CARBON RES	UB
	R176	QRD161J-182	1.8K 1/6W CARBON RES	UP
	R176	QRD161J-182	1.8K 1/6W CARBON RES	US
	R176	QRD161J-182	1.8K 1/6W CARBON RES	UT
	R176	QRD167J-332	3.3K 1/6W CARBON RES	EF
	R176	QRD167J-332	3.3K 1/6W CARBON RES	EN
	R176	QRD167J-332	3.3K 1/6W CARBON RES	G
	R176	QRD167J-332	3.3K 1/6W CARBON RES	GI
	R176	QRD167J-332	3.3K 1/6W CARBON RES	VX
	R179	QRD167J-562	5.6K 1/6W CARBON RES	
	R180	QRD161J-472	4.7K 1/6W CARBON RES	
	R181	QRD161J-103	10K 1/6W CARBON RES	
	R182	QRD161J-103	10K 1/6W CARBON RES	
	R183	QRD161J-103	10K 1/6W CARBON RES	
	R184	QRD161J-472	4.7K 1/6W CARBON RES	
	R185	QRD161J-103	10K 1/6W CARBON RES	
	R188	QRD161J-472	4.7K 1/6W CARBON RES	
	R190	QRD161J-472	4.7K 1/6W CARBON RES	
	R194	QRD161J-473	47K 1/6W CARBON RES	
	R195	QRD161J-473	47K 1/6W CARBON RES	
	R196	QRD161J-222	2.2K 1/6W CARBON RES	
	R197	QRD161J-472	4.7K 1/6W CARBON RES	
	R198	QRD167J-822	8.2K 1/6W CARBON RES	
⚠	R202	QRD14CJ-470SX	47 1/4W UNF.CARBON	C
⚠	R202	QRD14CJ-470SX	47 1/4W UNF.CARBON	J
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	A
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	BS
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	EF
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	EN
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	G
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	GI
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	U
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	UB
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	UP
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	US
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	UT
⚠	R202	QRZ0077-470	47 1/4W FUSIBLE RE	VX
	R271	QRD161J-104	100K 1/6W CARBON RES	
	R272	QRD161J-104	100K 1/6W CARBON RES	
	R280	QRD161J-221	220 1/6W CARBON RES	
	R281	QRD161J-224	220K 1/6W CARBON RES	
	R282	QRD161J-224	220K 1/6W CARBON RES	
	R283	QRD161J-100	10 1/6W CARBON RES	
	R284	QRD161J-100	10 1/6W CARBON RES	
	R285	QRD161J-393	39K 1/6W CARBON RES	
	R286	QRD161J-393	39K 1/6W CARBON RES	
	R287	QRD14CJ-6R8SX	6.8 1/4W UNF.CARBON	
⚠	R288	QRD14CJ-100SX	10 1/4W UNF.CARBON	C
⚠	R288	QRD14CJ-100SX	10 1/4W UNF.CARBON	J
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	A
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	BS
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	EF
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	EN
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	G
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	GI
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	U
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	UB
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	UC
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	UP
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	US
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	UT
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	V
⚠	R288	QRZ0077-100	10 1/4W FUSIBLE RE	VX
	R290	QRD167J-332	3.3K 1/6W CARBON RES	
	R292	QRD161J-221	220 1/6W CARBON RES	
	R293	QRD167J-511	510 1/6W CARBON RES	
	R294	QRD161J-561	560 1/6W CARBON RES	
	R296	QRD161J-104	100K 1/6W CARBON RES	
	R297	QRD161J-222	2.2K 1/6W CARBON RES	
	R298	QRD161J-561	560 1/6W CARBON RES	BS
	R298	QRD161J-561	560 1/6W CARBON RES	EF
	R298	QRD161J-561	560 1/6W CARBON RES	EN
	R298	QRD161J-561	560 1/6W CARBON RES	G
	R298	QRD161J-561	560 1/6W CARBON RES	GI
	R298	QRD161J-561	560 1/6W CARBON RES	V
	R298	QRD161J-561	560 1/6W CARBON RES	VX
	R301	QRD161J-103	10K 1/6W CARBON RES	
	R302	QRD161J-103	10K 1/6W CARBON RES	
	R303	QRD167J-153	15K 1/6W CARBON RES	
	R304	QRD167J-153	15K 1/6W CARBON RES	
	R315	QRD161J-103	10K 1/6W CARBON RES	
	R316	QRD161J-103	10K 1/6W CARBON RES	
	R317	QRD161J-103	10K 1/6W CARBON RES	
	R318	QRD161J-103	10K 1/6W CARBON RES	
	R319	QRD161J-103	10K 1/6W CARBON RES	
	R320	QRD161J-103	10K 1/6W CARBON RES	
	R321	QRD161J-103	10K 1/6W CARBON RES	
	R322	QRD161J-103	10K 1/6W CARBON RES	
	R323	QRD167J-562	5.6K 1/6W CARBON RES	
	R324	QRD167J-562	5.6K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R325	QRD167J-562	5.6K 1/6W CARBON RES	
	R326	QRD167J-562	5.6K 1/6W CARBON RES	
	R331	QRD167J-682	6.8K 1/6W CARBON RES	
	R332	QRD167J-682	6.8K 1/6W CARBON RES	
	R333	QRD167J-151	150 1/6W CARBON RES	
	R334	QRD167J-151	150 1/6W CARBON RES	
	R347	QRD161J-221	220 1/6W CARBON RES	
	R348	QRD161J-221	220 1/6W CARBON RES	
	R349	QRD161J-821	820 1/6W CARBON RES	
	R350	QRD161J-821	820 1/6W CARBON RES	
	R351	QRD167J-272	2.7K 1/6W CARBON RES	
	R352	QRD167J-272	2.7K 1/6W CARBON RES	
	R353	QRD161J-103	10K 1/6W CARBON RES	
	R354	QRD161J-103	10K 1/6W CARBON RES	
	R355	QRD161J-243	24K 1/6W CARBON RES	
	R356	QRD161J-243	24K 1/6W CARBON RES	
	R357	QRD161J-683	68K 1/6W CARBON RES	
	R358	QRD161J-683	68K 1/6W CARBON RES	
	R359	QRD167J-223	22K 1/6W CARBON RES	
	R360	QRD167J-223	22K 1/6W CARBON RES	
	R361	QRD161J-393	39K 1/6W CARBON RES	
	R362	QRD161J-393	39K 1/6W CARBON RES	
	R363	QRD161J-221	220 1/6W CARBON RES	
	R364	QRD161J-221	220 1/6W CARBON RES	
	R367	QRD161J-274	270K 1/6W CARBON RES	
	R368	QRD161J-274	270K 1/6W CARBON RES	
	R369	QRD161J-470	47 1/6W CARBON RES	
	R370	QRD161J-470	47 1/6W CARBON RES	
	R371	QRD161J-203	20K 1/6W CARBON RES	
	R372	QRD161J-203	20K 1/6W CARBON RES	
	R375	QRD161J-103	10K 1/6W CARBON RES	
	R376	QRD161J-103	10K 1/6W CARBON RES	
	R377	QRD161J-221	220 1/6W CARBON RES	
	R378	QRD161J-221	220 1/6W CARBON RES	
	R379	QRD161J-912	9.1K 1/6W CARBON RES	
	R380	QRD161J-912	9.1K 1/6W CARBON RES	
	R381	QRD161J-221	220 1/6W CARBON RES	
	R382	QRD161J-221	220 1/6W CARBON RES	
	R385	QRD161J-274	270K 1/6W CARBON RES	
	R386	QRD161J-274	270K 1/6W CARBON RES	
	R387	QRD161J-470	47 1/6W CARBON RES	
	R388	QRD161J-470	47 1/6W CARBON RES	
	R391	QRD161J-203	20K 1/6W CARBON RES	
	R392	QRD161J-203	20K 1/6W CARBON RES	
	R401	QRD161J-222	2.2K 1/6W CARBON RES	
	R402	QRD161J-222	2.2K 1/6W CARBON RES	
	R403	QRD161J-271	270 1/6W CARBON RES	
	R404	QRD161J-271	270 1/6W CARBON RES	
	R405	QRD161J-471	470 1/6W CARBON RES	
	R406	QRD161J-471	470 1/6W CARBON RES	
	R409	QRD161J-221	220 1/6W CARBON RES	BS
	R409	QRD161J-221	220 1/6W CARBON RES	EF
	R409	QRD161J-221	220 1/6W CARBON RES	EN
	R409	QRD161J-221	220 1/6W CARBON RES	G
	R409	QRD161J-221	220 1/6W CARBON RES	GI
	R409	QRD161J-221	220 1/6W CARBON RES	V
	R409	QRD161J-221	220 1/6W CARBON RES	VX
	R410	QRD161J-104	100K 1/6W CARBON RES	U
	R410	QRD161J-104	100K 1/6W CARBON RES	UB
	R410	QRD161J-104	100K 1/6W CARBON RES	UC
	R410	QRD161J-104	100K 1/6W CARBON RES	UP
	R410	QRD161J-104	100K 1/6W CARBON RES	US
	R410	QRD161J-104	100K 1/6W CARBON RES	UT
	R411	QRD161J-473	47K 1/6W CARBON RES	U
	R411	QRD161J-473	47K 1/6W CARBON RES	UB
	R411	QRD161J-473	47K 1/6W CARBON RES	UC
	R411	QRD161J-473	47K 1/6W CARBON RES	UP
	R411	QRD161J-473	47K 1/6W CARBON RES	US
	R411	QRD161J-473	47K 1/6W CARBON RES	UT
	R412	QRD161J-473	47K 1/6W CARBON RES	U
	R412	QRD161J-473	47K 1/6W CARBON RES	UB
	R412	QRD161J-473	47K 1/6W CARBON RES	UC
	R412	QRD161J-473	47K 1/6W CARBON RES	UP
	R412	QRD161J-473	47K 1/6W CARBON RES	US
	R412	QRD161J-473	47K 1/6W CARBON RES	UT
	R413	QRD161J-473	47K 1/6W CARBON RES	U
	R413	QRD161J-473	47K 1/6W CARBON RES	UB
	R413	QRD161J-473	47K 1/6W CARBON RES	UC
	R413	QRD161J-473	47K 1/6W CARBON RES	UP
	R413	QRD161J-473	47K 1/6W CARBON RES	US
	R413	QRD161J-473	47K 1/6W CARBON RES	UT
	R414	QRD161J-473	47K 1/6W CARBON RES	U
	R414	QRD161J-473	47K 1/6W CARBON RES	UB
	R414	QRD161J-473	47K 1/6W CARBON RES	UC
	R414	QRD161J-473	47K 1/6W CARBON RES	UP
	R414	QRD161J-473	47K 1/6W CARBON RES	US
	R414	QRD161J-473	47K 1/6W CARBON RES	UT
	R415	QRD161J-473	47K 1/6W CARBON RES	U
	R415	QRD161J-473	47K 1/6W CARBON RES	UB
	R415	QRD161J-473	47K 1/6W CARBON RES	UC
	R415	QRD161J-473	47K 1/6W CARBON RES	UP
	R415	QRD161J-473	47K 1/6W CARBON RES	US
	R415	QRD161J-473	47K 1/6W CARBON RES	UT
	R416	QRD161J-473	47K 1/6W CARBON RES	U
	R416	QRD161J-473	47K 1/6W CARBON RES	UB
	R416	QRD161J-473	47K 1/6W CARBON RES	UC
	R416	QRD161J-473	47K 1/6W CARBON RES	UP
	R416	QRD161J-473	47K 1/6W CARBON RES	US
	R416	QRD161J-473	47K 1/6W CARBON RES	UT
	R417	QRD161J-104	100K 1/6W CARBON RES	U
	R417	QRD161J-104	100K 1/6W CARBON RES	UB
	R417	QRD161J-104	100K 1/6W CARBON RES	UC
	R417	QRD161J-104	100K 1/6W CARBON RES	UP
	R417	QRD161J-104	100K 1/6W CARBON RES	US
	R417	QRD161J-104	100K 1/6W CARBON RES	UT
	R419	QRD167J-332	3.3K 1/6W CARBON RES	U
	R419	QRD167J-332	3.3K 1/6W CARBON RES	UB
	R419	QRD167J-332	3.3K 1/6W CARBON RES	UC
	R419	QRD167J-332	3.3K 1/6W CARBON RES	UP
	R419	QRD167J-332	3.3K 1/6W CARBON RES	US

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R419	QRD167J-332	3.3K 1/6W CARBON RES	UT
	R420	QRD167J-332	3.3K 1/6W CARBON RES	U
	R420	QRD167J-332	3.3K 1/6W CARBON RES	UB
	R420	QRD167J-332	3.3K 1/6W CARBON RES	UC
	R420	QRD167J-332	3.3K 1/6W CARBON RES	UP
	R420	QRD167J-332	3.3K 1/6W CARBON RES	US
	R420	QRD167J-332	3.3K 1/6W CARBON RES	UT
	R421	QRD167J-332	3.3K 1/6W CARBON RES	U
	R421	QRD167J-332	3.3K 1/6W CARBON RES	UB
	R421	QRD167J-332	3.3K 1/6W CARBON RES	UC
	R421	QRD167J-332	3.3K 1/6W CARBON RES	UP
	R421	QRD167J-332	3.3K 1/6W CARBON RES	US
	R421	QRD167J-332	3.3K 1/6W CARBON RES	UT
	R422	QRD167J-332	3.3K 1/6W CARBON RES	U
	R422	QRD167J-332	3.3K 1/6W CARBON RES	UB
	R422	QRD167J-332	3.3K 1/6W CARBON RES	UC
	R422	QRD167J-332	3.3K 1/6W CARBON RES	UP
	R422	QRD167J-332	3.3K 1/6W CARBON RES	US
	R422	QRD167J-332	3.3K 1/6W CARBON RES	UT
	R423	QRD161J-271	270 1/6W CARBON RES	U
	R423	QRD161J-271	270 1/6W CARBON RES	UB
	R423	QRD161J-271	270 1/6W CARBON RES	UC
	R423	QRD161J-271	270 1/6W CARBON RES	UP
	R423	QRD161J-271	270 1/6W CARBON RES	US
	R423	QRD161J-271	270 1/6W CARBON RES	UT
	R424	QRD161J-472	4.7K 1/6W CARBON RES	U
	R424	QRD161J-472	4.7K 1/6W CARBON RES	UB
	R424	QRD161J-472	4.7K 1/6W CARBON RES	UC
	R424	QRD161J-472	4.7K 1/6W CARBON RES	UP
	R424	QRD161J-472	4.7K 1/6W CARBON RES	US
	R424	QRD161J-472	4.7K 1/6W CARBON RES	UT
	R425	QRD161J-472	4.7K 1/6W CARBON RES	U
	R425	QRD161J-472	4.7K 1/6W CARBON RES	UB
	R425	QRD161J-472	4.7K 1/6W CARBON RES	UC
	R425	QRD161J-472	4.7K 1/6W CARBON RES	UP
	R425	QRD161J-472	4.7K 1/6W CARBON RES	US
	R425	QRD161J-472	4.7K 1/6W CARBON RES	UT
	R427	QRD161J-104	100K 1/6W CARBON RES	U
	R427	QRD161J-104	100K 1/6W CARBON RES	UB
	R427	QRD161J-104	100K 1/6W CARBON RES	UP
	R427	QRD161J-104	100K 1/6W CARBON RES	US
	R427	QRD161J-104	100K 1/6W CARBON RES	UT
	R428	QRD161J-104	100K 1/6W CARBON RES	U
	R428	QRD161J-104	100K 1/6W CARBON RES	UB
	R428	QRD161J-104	100K 1/6W CARBON RES	UP
	R428	QRD161J-104	100K 1/6W CARBON RES	US
	R428	QRD161J-104	100K 1/6W CARBON RES	UT
	R429	QRD161J-103	10K 1/6W CARBON RES	U
	R429	QRD161J-103	10K 1/6W CARBON RES	UB
	R429	QRD161J-103	10K 1/6W CARBON RES	UP
	R429	QRD161J-103	10K 1/6W CARBON RES	US
	R429	QRD161J-103	10K 1/6W CARBON RES	UT
	R430	QRD161J-103	10K 1/6W CARBON RES	U
	R430	QRD161J-103	10K 1/6W CARBON RES	UB
	R430	QRD161J-103	10K 1/6W CARBON RES	UP
	R430	QRD161J-103	10K 1/6W CARBON RES	US
	R430	QRD161J-103	10K 1/6W CARBON RES	UT
	R431	QRD161J-471	470 1/6W CARBON RES	
	R432	QRD161J-471	470 1/6W CARBON RES	
	R433	QRD161J-103	10K 1/6W CARBON RES	
	R434	QRD161J-103	10K 1/6W CARBON RES	
	R435	QRD161J-104	100K 1/6W CARBON RES	
	R436	QRD161J-104	100K 1/6W CARBON RES	
	R440	QRD161J-102	1K 1/6W CARBON RES	
	R451	QRD161J-222	2.2K 1/6W CARBON RES	
	R452	QRD161J-222	2.2K 1/6W CARBON RES	
	R453	QRD161J-222	2.2K 1/6W CARBON RES	
	R454	QRD161J-222	2.2K 1/6W CARBON RES	
	R455	QRD161J-392	3.9K 1/6W CARBON RES	
	R456	QRD161J-392	3.9K 1/6W CARBON RES	
	R457	QRD161J-182	1.8K 1/6W CARBON RES	
	R458	QRD161J-182	1.8K 1/6W CARBON RES	
	R459	QRD161J-273	27K 1/6W CARBON RES	
	R460	QRD161J-273	27K 1/6W CARBON RES	
	R461	QRD161J-333	33K 1/6W CARBON RES	
	R462	QRD161J-333	33K 1/6W CARBON RES	
	R470	QRD161J-271	270 1/6W CARBON RES	
	R485	QRD161J-273	27K 1/6W CARBON RES	
	R486	QRD161J-273	27K 1/6W CARBON RES	
	R487	QRD161J-473	47K 1/6W CARBON RES	
	R488	QRD161J-473	47K 1/6W CARBON RES	
	R490	QRD161J-103	10K 1/6W CARBON RES	U
	R490	QRD161J-103	10K 1/6W CARBON RES	UB
	R490	QRD161J-103	10K 1/6W CARBON RES	UP
	R490	QRD161J-103	10K 1/6W CARBON RES	US
	R490	QRD161J-103	10K 1/6W CARBON RES	UT
	R491	QRD161J-103	10K 1/6W CARBON RES	U
	R491	QRD161J-103	10K 1/6W CARBON RES	UB
	R491	QRD161J-103	10K 1/6W CARBON RES	UP
	R491	QRD161J-103	10K 1/6W CARBON RES	US
	R491	QRD161J-103	10K 1/6W CARBON RES	UT
	R551	QRD161J-103	10K 1/6W CARBON RES	
	R552	QRD161J-392	3.9K 1/6W CARBON RES	
⚠	R553	QRD14CJ-100SX	10 1/4W UNF.CARBON	C
⚠	R553	QRD14CJ-100SX	10 1/4W UNF.CARBON	J
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	A
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	BS
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	EF
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	EN
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	G
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	GI
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	U
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	UB
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	UC
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	UP
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	US
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	UT
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	V
⚠	R553	QRZ0077-100	10 1/4W FUSIBLE RE	VX
⚠	R554	QRD14CJ-100SX	10 1/4W UNF.CARBON	C

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R554	QRD14CJ-100SX	10	1/4W	UNF.CARBON	J
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	A
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	BS
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	EF
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	EN
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	G
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	GI
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	U
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	UB
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	UC
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	UP
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	US
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	UT
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	V
⚠	R554	QRZ0077-100	10	1/4W	FUSIBLE RE	VX
	R555	QRD161J-472	4.7K	1/6W	CARBON RES	
	R556	QRD167J-153	15K	1/6W	CARBON RES	
	R558	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	C
	R558	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	J
	R559	QRD161J-242	2.4K	1/6W	CARBON RES	
	R563	QRD167J-152	1.5K	1/6W	CARBON RES	
⚠	R564	QRX022J-2R2A	2.2	2W	METAL FILM	J
	R576	QRD161J-472	4.7K	1/6W	CARBON RES	
	R581	QRD161J-362	3.6K	1/6W	CARBON RES	
⚠	R582	PTH61G25AR4R7M			POSITIVE T	A
⚠	R582	PTH61G25AR4R7M			POSITIVE T	BS
⚠	R582	PTH61G25AR4R7M			POSITIVE T	EF
⚠	R582	PTH61G25AR4R7M			POSITIVE T	EN
⚠	R582	PTH61G25AR4R7M			POSITIVE T	G
⚠	R582	PTH61G25AR4R7M			POSITIVE T	GI
⚠	R582	PTH61G25AR4R7M			POSITIVE T	U
⚠	R582	PTH61G25AR4R7M			POSITIVE T	UB
⚠	R582	PTH61G25AR4R7M			POSITIVE T	UC
⚠	R582	PTH61G25AR4R7M			POSITIVE T	UP
⚠	R582	PTH61G25AR4R7M			POSITIVE T	US
⚠	R582	PTH61G25AR4R7M			POSITIVE T	UT
⚠	R582	PTH61G25AR4R7M			POSITIVE T	V
⚠	R582	PTH61G25AR4R7M			POSITIVE T	VX
	R582	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	C
	R582	QRD14CJ-4R7SX	4.7	1/4W	UNF.CARBON	J
	R585	QRD161J-104	100K	1/6W	CARBON RES	
	VR301	QVPA603-501A	500		TRIMMER RE	
	VR302	QVPA603-501A	500		TRIMMER RE	
	VR303	QVPA603-501A	500		TRIMMER RE	
	VR304	QVPA603-501A	500		TRIMMER RE	
	VR305	QVPA603-104A	100K		TRIMMER RE	
	VR306	QVPA603-104A	100K		TRIMMER RE	
	VR307	QVPA603-104A	100K		TRIMMER RE	
	VR308	QVPA603-104A	100K		TRIMMER RE	
	VR309	QVPA603-104A	100K		TRIMMER RE	
	VR310	QVPA603-104A	100K		TRIMMER RE	
	VR311	QVPA603-503A	50K		VARIABLE R	
	VR312	QVPA603-503A	50K		VARIABLE R	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		FMMW1016-002	PRINTED BOA	
	J401	EMN00TV-222AJ2	PIN JACK	
	L101	EQL4007-1R0	INDUCTOR	
	L102	EQL4007-150T	INDUCTOR	BS
	L102	EQL4007-150T	INDUCTOR	EF
	L102	EQL4007-150T	INDUCTOR	EN
	L102	EQL4007-150T	INDUCTOR	G
	L102	EQL4007-150T	INDUCTOR	GI
	L102	EQL4007-150T	INDUCTOR	VX
	L301	ENZ6002-012	OSCILLATOR	
	L303	EQL2106-562	INDUCTOR	
	L304	EQL2106-562	INDUCTOR	
	L305	EQL2106-223	INDUCTOR	
	L306	EQL2106-223	INDUCTOR	
	L401	EQL4007-2R2T	INDUCTOR	
	S401	QSS7A12-E01	SLIDE SWITC	BS
	S401	QSS7A12-E01	SLIDE SWITC	EF
	S401	QSS7A12-E01	SLIDE SWITC	EN
	S401	QSS7A12-E01	SLIDE SWITC	G
	S401	QSS7A12-E01	SLIDE SWITC	GI
	S401	QSS7A12-E01	SLIDE SWITC	V
	S401	QSS7A12-E01	SLIDE SWITC	VX
	T105	EQT2140-017	I.F.TRANSFO	
	T107	ECB1560-010	CERAMIC FIL	
	T111	EQR7121-004	RF COIL	A
	T111	EQR7121-004	RF COIL	C
	T111	EQR7121-004	RF COIL	J
	T111	EQR7121-004	RF COIL	U
	T111	EQR7121-004	RF COIL	UB
	T111	EQR7121-004	RF COIL	UC
	T111	EQR7121-004	RF COIL	UP
	T111	EQR7121-004	RF COIL	US
	T111	EQR7121-004	RF COIL	UT
	T111	EQR7121-006	RF COIL	BS
	T111	EQR7121-006	RF COIL	EF
	T111	EQR7121-006	RF COIL	EN
	T111	EQR7121-006	RF COIL	G
	T111	EQR7121-006	RF COIL	GI
	T111	EQR7121-006	RF COIL	V
	T111	EQR7121-006	RF COIL	VX
	AT101	EMB10YV-401K	ANTENNA TER	A
	AT101	EMB10YV-401K	ANTENNA TER	C
	AT101	EMB10YV-401K	ANTENNA TER	J
	AT101	EMB10YV-401K	ANTENNA TER	U
	AT101	EMB10YV-401K	ANTENNA TER	UB

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	AT101	EMB10YV-401K	ANTENNA TER	UC
	AT101	EMB10YV-401K	ANTENNA TER	UP
	AT101	EMB10YV-401K	ANTENNA TER	US
	AT101	EMB10YV-401K	ANTENNA TER	UT
	AT101	EMB41YV-302K	ANTENNA TER	BS
	AT101	EMB41YV-302K	ANTENNA TER	EF
	AT101	EMB41YV-302K	ANTENNA TER	EN
	AT101	EMB41YV-302K	ANTENNA TER	G
	AT101	EMB41YV-302K	ANTENNA TER	GI
	AT101	EMB41YV-302K	ANTENNA TER	V
	AT101	EMB41YV-302K	ANTENNA TER	VX
	CF101	ECB2118-007R	CERAMIC FIL	BS
	CF101	ECB2118-007R	CERAMIC FIL	EF
	CF101	ECB2118-007R	CERAMIC FIL	EN
	CF101	ECB2118-007R	CERAMIC FIL	G
	CF101	ECB2118-007R	CERAMIC FIL	GI
	CF101	ECB2118-007R	CERAMIC FIL	V
	CF101	ECB2118-007R	CERAMIC FIL	VX
	CF101	FMCB2123-001	CERAMIC FIL	A
	CF101	FMCB2123-001	CERAMIC FIL	C
	CF101	FMCB2123-001	CERAMIC FIL	J
	CF101	FMCB2123-001	CERAMIC FIL	U
	CF101	FMCB2123-001	CERAMIC FIL	UB
	CF101	FMCB2123-001	CERAMIC FIL	UC
	CF101	FMCB2123-001	CERAMIC FIL	UP
	CF101	FMCB2123-001	CERAMIC FIL	US
	CF101	FMCB2123-001	CERAMIC FIL	UT
	CF102	ECB2118-007R	CERAMIC FIL	BS
	CF102	ECB2118-007R	CERAMIC FIL	EF
	CF102	ECB2118-007R	CERAMIC FIL	EN
	CF102	ECB2118-007R	CERAMIC FIL	G
	CF102	ECB2118-007R	CERAMIC FIL	GI
	CF102	ECB2118-007R	CERAMIC FIL	V
	CF102	ECB2118-007R	CERAMIC FIL	VX
	CF102	FMCB2123-001	CERAMIC FIL	A
	CF102	FMCB2123-001	CERAMIC FIL	C
	CF102	FMCB2123-001	CERAMIC FIL	J
	CF102	FMCB2123-001	CERAMIC FIL	U
	CF102	FMCB2123-001	CERAMIC FIL	UB
	CF102	FMCB2123-001	CERAMIC FIL	UC
	CF102	FMCB2123-001	CERAMIC FIL	UP
	CF102	FMCB2123-001	CERAMIC FIL	US
	CF102	FMCB2123-001	CERAMIC FIL	UT
	CN301	VMC0314-P08	CONNECT TER	
	CN302	VMC0314-P08	CONNECT TER	
	CN331	EMV7155-106R	CONNECT TER	
	CN332	EMV7155-106R	CONNECT TER	
	CN401	VMC0163-035	CONNECT TER	
	CN402	VMC0075-003	CONNECTOR	
	CN502	EMV7125-010R	MALE CONNEC	
	CN513	EMV5167-116	CONNECT TER	
	CN514	EMV5167-126	CONNECT TER	
	EP102	E70225-001	EARTH PLATE	
	FE101	EAF2203-004	FRONT END	A
	FE101	EAF2203-004	FRONT END	C
	FE101	EAF2203-004	FRONT END	J
	FE101	EAF2203-004	FRONT END	U
	FE101	EAF2203-004	FRONT END	UB
	FE101	EAF2203-004	FRONT END	UC
	FE101	EAF2203-004	FRONT END	UP
	FE101	EAF2203-004	FRONT END	US
	FE101	EAF2203-004	FRONT END	UT
	FE101	EAF2203-005	FRONT END	BS
	FE101	EAF2203-005	FRONT END	EF
	FE101	EAF2203-005	FRONT END	EN
	FE101	EAF2203-005	FRONT END	G
	FE101	EAF2203-005	FRONT END	GI
	FE101	EAF2203-005	FRONT END	V
	FE101	EAF2302-002	FRONT END	VX
	LP102	EQF0102-001	LOWPASS FIL	BS
	LP102	EQF0102-001	LOWPASS FIL	EF
	LP102	EQF0102-001	LOWPASS FIL	EN
	LP102	EQF0102-001	LOWPASS FIL	G
	LP102	EQF0102-001	LOWPASS FIL	GI
	LP102	EQF0102-001	LOWPASS FIL	V
	LP102	EQF0102-001	LOWPASS FIL	VX
	LP141	EQF0101-013	LOWPASS FIL	
	LP142	EQF0101-013	LOWPASS FIL	
	XT102	ECX0007-200KWJ1	CRYSTAL	
	XT103	ECX0000-456KR	CERAMIC RES	

⚠ : SAFETY PARTS

■ CD Selection P. C. Board Ass'y (FMB-006)

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q601	2SA952(L,K)	SI.TRANSIST NEC	
	Q631	2SA952(L,K)	SI.TRANSIST NEC	
	Q706	DTA114TS	DIGITAL TRA ROHM	
	Q707	DTA114TS	DIGITAL TRA ROHM	
	Q708	DTA114YS	DIGITAL TRA ROHM	
	Q709	DTA114YS	DIGITAL TRA ROHM	
	Q710	DTA114YS	DIGITAL TRA ROHM	
	Q711	DTA114YS	DIGITAL TRA ROHM	
	Q712	DTC114YS	DIGITAL TRA ROHM	
	Q713	DTC114YS	DIGITAL TRA ROHM	
	Q714	2SC1740S(R,S)	SI.TRANSIST ROHM	
	Q715	2SA933S(RS)	SI.TRANSIST	
	Q720	DTC114ES	DIGITAL TRA ROHM	
	Q721	DTC114ES	DIGITAL TRA ROHM	
	Q951	DTC144ES	DIGITAL TRA ROHM	U
	Q951	DTC144ES	DIGITAL TRA ROHM	UB
	Q951	DTC144ES	DIGITAL TRA ROHM	UC
	Q951	DTC144ES	DIGITAL TRA ROHM	UP
	Q951	DTC144ES	DIGITAL TRA ROHM	US
	Q951	DTC144ES	DIGITAL TRA ROHM	UT
	Q952	DTC144ES	DIGITAL TRA ROHM	U
	Q952	DTC144ES	DIGITAL TRA ROHM	UB
	Q952	DTC144ES	DIGITAL TRA ROHM	UC
	Q952	DTC144ES	DIGITAL TRA ROHM	UP
	Q952	DTC144ES	DIGITAL TRA ROHM	US
	Q952	DTC144ES	DIGITAL TRA ROHM	UT
	Q953	DTC144ES	DIGITAL TRA ROHM	U
	Q953	DTC144ES	DIGITAL TRA ROHM	UB
	Q953	DTC144ES	DIGITAL TRA ROHM	UC
	Q953	DTC144ES	DIGITAL TRA ROHM	UP
	Q953	DTC144ES	DIGITAL TRA ROHM	US
	Q953	DTC144ES	DIGITAL TRA ROHM	UT
	Q954	DTC144ES	DIGITAL TRA ROHM	U
	Q954	DTC144ES	DIGITAL TRA ROHM	UB
	Q954	DTC144ES	DIGITAL TRA ROHM	UC
	Q954	DTC144ES	DIGITAL TRA ROHM	UP
	Q954	DTC144ES	DIGITAL TRA ROHM	US
	Q954	DTC144ES	DIGITAL TRA ROHM	UT
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	U
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	UB
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	UC
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	UP
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	US
	Q955	2SD2144S(VW)	SI.TRANSIST ROHM	UT
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	U
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	UB
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	UC
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	UP
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	US
	Q956	2SD2144S(VW)	SI.TRANSIST ROHM	UT
	Q957	DTA144ES	DIGITAL TRA ROHM	U
	Q957	DTA144ES	DIGITAL TRA ROHM	UB
	Q957	DTA144ES	DIGITAL TRA ROHM	UC
	Q957	DTA144ES	DIGITAL TRA ROHM	UP
	Q957	DTA144ES	DIGITAL TRA ROHM	US
	Q957	DTA144ES	DIGITAL TRA ROHM	UT
	Q958	DTC144ES	DIGITAL TRA ROHM	U
	Q958	DTC144ES	DIGITAL TRA ROHM	UB
	Q958	DTC144ES	DIGITAL TRA ROHM	UC
	Q958	DTC144ES	DIGITAL TRA ROHM	UP
	Q958	DTC144ES	DIGITAL TRA ROHM	US
	Q958	DTC144ES	DIGITAL TRA ROHM	UT
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	U
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	UB
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	UC
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	UP
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	US
	Q959	2SD1302	SI.TRANSIST MATSUSHITA	UT

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D705	1SS133	SI.DIODE ROHM	
	D707	1SS133	SI.DIODE ROHM	
	D708	1SS133	SI.DIODE ROHM	
	D709	1SS133	SI.DIODE ROHM	
	D712	1SS133	SI.DIODE ROHM	U
	D712	1SS133	SI.DIODE ROHM	UB
	D712	1SS133	SI.DIODE ROHM	UC
	D712	1SS133	SI.DIODE ROHM	UP
	D712	1SS133	SI.DIODE ROHM	US
	D712	1SS133	SI.DIODE ROHM	UT
	D712	1SS133	SI.DIODE ROHM	VX
	D713	1SS133	SI.DIODE ROHM	C
	D713	1SS133	SI.DIODE ROHM	J
	D713	1SS133	SI.DIODE ROHM	VX
	D714	1SS133	SI.DIODE ROHM	A
	D715	SLR-342MCA47	L.E.D. ROHM	
	D716	SLR-342MCA47	L.E.D. ROHM	
	D717	SLR-342MCA47	L.E.D. ROHM	
	D718	1SS133	SI.DIODE ROHM	
	D719	1SS133	SI.DIODE ROHM	
	D720	1SS133	SI.DIODE ROHM	
	D721	1SS133	SI.DIODE ROHM	
	D722	1SS133	SI.DIODE ROHM	
	D723	1SS133	SI.DIODE ROHM	
	D724	1SS133	SI.DIODE ROHM	
	D725	1SS133	SI.DIODE ROHM	
	D726	SLR-342MCA47	L.E.D. ROHM	
	D727	SLR-342MCA47	L.E.D. ROHM	
	D728	SLR-342MCA47	L.E.D. ROHM	
	D729	SLR-342MCA47	L.E.D. ROHM	
	D730	SLR-342MCA47	L.E.D. ROHM	
	D731	SLR-342MCA47	L.E.D. ROHM	
	D732	SLR-342MCA47	L.E.D. ROHM	
	D733	SLR-342MCA47	L.E.D. ROHM	
	D734	SLR-342VC3F	L.E.D. ROHM	
	D735	SLR-342MCA47	L.E.D. ROHM	
	D736	SLR-342MCA47	L.E.D. ROHM	
	D737	SLR-342MCA47	L.E.D. ROHM	
	D738	SLR-342MCA47	L.E.D. ROHM	
	D739	SLR-342MCA47	L.E.D. ROHM	
	D740	SLR-342MCA47	L.E.D. ROHM	
	D741	SLR-342MCA47	L.E.D. ROHM	
	D742	SLR-342VC3F	L.E.D. ROHM	
	D743	SLA-3BOLT	L.E.D. ROHM	BS
	D743	SLR-342VC3F	L.E.D. ROHM	A
	D743	SLR-342VC3F	L.E.D. ROHM	C
	D743	SLR-342VC3F	L.E.D. ROHM	EF
	D743	SLR-342VC3F	L.E.D. ROHM	EN
	D743	SLR-342VC3F	L.E.D. ROHM	G
	D743	SLR-342VC3F	L.E.D. ROHM	GI
	D743	SLR-342VC3F	L.E.D. ROHM	J
	D743	SLR-342VC3F	L.E.D. ROHM	U
	D743	SLR-342VC3F	L.E.D. ROHM	UB
	D743	SLR-342VC3F	L.E.D. ROHM	UC
	D743	SLR-342VC3F	L.E.D. ROHM	UP
	D743	SLR-342VC3F	L.E.D. ROHM	US
	D743	SLR-342VC3F	L.E.D. ROHM	UT
	D743	SLR-342VC3F	L.E.D. ROHM	V
	D743	SLR-342VC3F	L.E.D. ROHM	VX
	D744	SIR-56SB3F	L.E.D. ROHM	
	D951	MTZ5.1JC	ZENER DIODE ROHM	U
	D951	MTZ5.1JC	ZENER DIODE ROHM	UB
	D951	MTZ5.1JC	ZENER DIODE ROHM	UC
	D951	MTZ5.1JC	ZENER DIODE ROHM	UP
	D951	MTZ5.1JC	ZENER DIODE ROHM	US
	D951	MTZ5.1JC	ZENER DIODE ROHM	UT

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC601	AN8806SB	I.C(MONO-AN MATSUSHITA	
	IC602	BA6897FPW	I.C(MONO-AN 0062	
	IC603	MN35510-S	I.C(M) 0050	
	IC701	MN172412J6N	I.C(MICRO-C MATSUSHITA	
	IC703	SPS-420-1	INFRARED DE SANYO	
	IC951	BA7725S	I.C(MONO-AN ROHM	U
	IC951	BA7725S	I.C(MONO-AN ROHM	UB
	IC951	BA7725S	I.C(MONO-AN ROHM	UC
	IC951	BA7725S	I.C(MONO-AN ROHM	UP
	IC951	BA7725S	I.C(MONO-AN ROHM	US
	IC951	BA7725S	I.C(MONO-AN ROHM	UT
	IC952	BU9251S	I.C(M) ROHM	U
	IC952	BU9251S	I.C(M) ROHM	UB
	IC952	BU9251S	I.C(M) ROHM	UC
	IC952	BU9251S	I.C(M) ROHM	UP
	IC952	BU9251S	I.C(M) ROHM	US
	IC952	BU9251S	I.C(M) ROHM	UT
	IC954	BA15218N	I.C(MONO-AN ROHM	U
	IC954	BA15218N	I.C(MONO-AN ROHM	UB
	IC954	BA15218N	I.C(MONO-AN ROHM	UC
	IC954	BA15218N	I.C(MONO-AN ROHM	UP
	IC954	BA15218N	I.C(MONO-AN ROHM	US
	IC954	BA15218N	I.C(MONO-AN ROHM	UT

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C602	QCZ0205-155	1.5MF 25V C.CAPACITO	
	C604	QETB1AM-107	100MF 10V AL E.CAPAC	
	C605	QETB1EM-106	10MF 25V AL E.CAPAC	
	C606	QCBB1HK-102Y	1000PF 50V CER.CAPACI	
	C607	QCBB1HK-102Y	1000PF 50V CER.CAPACI	
	C608	QETB1HM-105	1MF 50V AL E.CAPAC	
	C609	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C610	QFLB1HJ-273	0.027MF 50V MYLAR CAPA	
	C611	QCXB1CM-472Y	4700PF 16V CER.CAPACI	
	C612	QCVB1CM-103	0.01MF 16V CERAMIC	
	C614	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	
	C615	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C616	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C617	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C618	QCXB1CM-222Y	2200PF 16V CER.CAPACI	
	C619	QCBB1HK-271Y	270PF 50V CER.CAPACI	
	C620	QCSB1HJ-470	47PF 50V CER.CAPACI	
	C621	QCBB1HK-821Y	820PF 50V CER.CAPACI	
	C622	QETB1AM-476	47MF 10V E.CAPACITO	
	C623	QFLB1HJ-104	0.1MF 50V MYLAR CAPA	
	C625	QCZ0205-155	1.5MF 25V C.CAPACITO	
	C631	QETB1AM-477	470MF 10V E.CAPACITO	
	C632	QETB1AM-107	100MF 10V AL E.CAPAC	
	C651	QCSB1HJ-120Y	12PF 50V CER.CAPACI	
	C652	QCSB1HJ-120Y	12PF 50V CER.CAPACI	
	C653	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C655	QCC21EM-473	0.047MF 25V CER.CAPACI	
	C661	QCBB1HK-471Y	470PF 50V CER.CAPACI	
	C662	QCC21EM-473	0.047MF 25V CER.CAPACI	
	C663	QFLB1HJ-223	0.022MF 50V MYLAR CAPA	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C664	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C665	QFV81HJ-334	0.33MF 50V TF.CAPACIT	
	C671	QCXB1CM-222Y	2200PF 16V CER.CAPACI	
	C672	QCXB1CM-222Y	2200PF 16V CER.CAPACI	
	C673	QEK61AM-227ZM	220MF 10V AL E.CAPAC	
	C674	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C676	QCBB1HK-102Y	1000PF 50V CER.CAPACI	
	C681	QCBB1HK-331Y	330PF 50V CER.CAPACI	
	C701	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C702	QCT26CH-330	33PF 50V CER.CAPACI	
	C703	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C704	QER50JM-107	100MF 6.3V AL E.CAPAC	
	C707	QETB1HM-226E	22MF 50V E.CAPACITO	
	C709	QER61HM-226	22MF 50V AL E.CAPAC	
	C710	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C712	QER50JM-107	100MF 6.3V AL E.CAPAC	
	C714	QEADOMZ-479A	47000MF E.CAPACITO	
	C718	QCGB1HK-102	1000PF 50V CER.CAPACI	
	C719	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C951	QETB1CM-226	22MF 16V E.CAPACITO U	
	C951	QETB1CM-226	22MF 16V E.CAPACITO UB	
	C951	QETB1CM-226	22MF 16V E.CAPACITO UC	
	C951	QETB1CM-226	22MF 16V E.CAPACITO UP	
	C951	QETB1CM-226	22MF 16V E.CAPACITO US	
	C951	QETB1CM-226	22MF 16V E.CAPACITO UT	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM U	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM UB	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM UC	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM UP	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM US	
	C952	QFV81HJ-104	0.1MF 50V THIN FILM UT	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO U	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO UB	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO UC	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO UP	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO US	
	C953	QETB1HM-474	0.47MF 50V E.CAPACITO UT	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI U	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI UB	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI UC	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI UP	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI US	
	C954	QCXB1CM-562Y	5600PF 16V CER.CAPACI UT	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI U	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI UB	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI UC	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI UP	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI US	
	C955	QCGB1HK-821	820PF 50V CER.CAPACI UT	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM U	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM UB	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM UC	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM UP	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM US	
	C956	QFV81HJ-183	0.018MF 50V THIN FILM UT	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM U	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM UB	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM UC	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM UP	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM US	
	C957	QFV81HJ-104	0.1MF 50V THIN FILM UT	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI U	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI UB	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI UC	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI UP	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI US	
	C958	QCXB1CM-682Y	6800PF 16V CER.CAPACI UT	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI U	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI UB	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI UC	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI UP	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI US	
	C959	QCGB1HK-821	820PF 50V CER.CAPACI UT	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI U	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI UB	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI UC	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI UP	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI US	
	C960	QCXB1CM-562Y	5600PF 16V CER.CAPACI UT	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM U	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM UB	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM UC	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM UP	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM US	
	C961	QFV81HJ-183	0.018MF 50V THIN FILM UT	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO U	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO UB	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO UC	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO UP	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO US	
	C962	QETB1HM-474	0.47MF 50V E.CAPACITO UT	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM U	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM UB	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM UC	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM UP	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM US	
	C963	QFV81HJ-104	0.1MF 50V THIN FILM UT	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC U	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC UB	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC UC	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC UP	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC US	
	C964	QETB1HM-224	0.22MF 50V AL E.CAPAC UT	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC U	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC UB	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC UC	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC UP	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC US	
	C965	QETB1HM-224	0.22MF 50V AL E.CAPAC UT	
	C966	QETC1CM-227	220MF 16V ELECTRO U	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C966	QETC1CM-227	220MF 16V ELECTRO UB	
	C966	QETC1CM-227	220MF 16V ELECTRO UC	
	C966	QETC1CM-227	220MF 16V ELECTRO UP	
	C966	QETC1CM-227	220MF 16V ELECTRO US	
	C966	QETC1CM-227	220MF 16V ELECTRO UT	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM U	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM UB	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM UC	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM UP	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM US	
	C967	QFV81HJ-104	0.1MF 50V THIN FILM UT	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI U	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI UB	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI UC	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI UP	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI US	
	C968	QCBB1HK-221Y	220PF 50V CER.CAPACI UT	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC U	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC UB	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC UC	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC UP	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC US	
	C969	QETB1CM-107	100MF 16V AL E.CAPAC UT	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM U	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM UB	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM UC	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM UP	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM US	
	C970	QFV81HJ-103	0.01MF 50V THIN FILM UT	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI U	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI UB	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI UC	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI UP	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI US	
	C971	QCBB1HK-221Y	220PF 50V CER.CAPACI UT	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI U	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI UB	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI UC	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI UP	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI US	
	C972	QCBB1HK-221Y	220PF 50V CER.CAPACI UT	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI BS	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI EF	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI EN	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI G	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI GI	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI V	
	C974	QCBB1HK-471Y	470PF 50V CER.CAPACI VX	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI BS	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI EF	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI EN	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI G	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI GI	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI V	
	C975	QCBB1HK-471Y	470PF 50V CER.CAPACI VX	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO U	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO UB	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO UC	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO UP	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO US	
	C977	QETB1HM-475E	4.7MF 50V E.CAPACITO UT	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI U	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI UB	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI UC	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI UP	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI US	
	C981	QCGB1HK-102	1000PF 50V CER.CAPACI UT	
	C982	QEK61EM-475	4.7MF 25V ELECTRO U	
	C982	QEK61EM-475	4.7MF 25V ELECTRO UB	
	C982	QEK61EM-475	4.7MF 25V ELECTRO UC	
	C982	QEK61EM-475	4.7MF 25V ELECTRO UP	
	C982	QEK61EM-475	4.7MF 25V ELECTRO US	
	C982	QEK61EM-475	4.7MF 25V ELECTRO UT	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI U	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI UB	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI UC	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI UP	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI US	
	C983	QCBB1HK-101Y	100PF 50V CER.CAPACI UT	
	C985	QETB1CM-226	22MF 16V E.CAPACITO U	
	C985	QETB1CM-226	22MF 16V E.CAPACITO UB	
	C985	QETB1CM-226	22MF 16V E.CAPACITO UC	
	C985	QETB1CM-226	22MF 16V E.CAPACITO UP	
	C985	QETB1CM-226	22MF 16V E.CAPACITO US	
	C985	QETB1CM-226	22MF 16V E.CAPACITO UT	
	C986	QETC1CM-227	220MF 16V ELECTRO U	
	C986	QETC1CM-227	220MF 16V ELECTRO UB	
	C986	QETC1CM-227	220MF 16V ELECTRO UC	
	C986	QETC1CM-227	220MF 16V ELECTRO UP	
	C986	QETC1CM-227	220MF 16V ELECTRO US	
	C986	QETC1CM-227	220MF 16V ELECTRO UT	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI U	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI UB	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI UC	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI UP	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI US	
	C989	QCBB1HK-101Y	100PF 50V CER.CAPACI UT	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI U	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI UB	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI UC	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI UP	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI US	
	C991	QCBB1HK-101Y	100PF 50V CER.CAPACI UT	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI U	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI UB	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI UC	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI UP	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI US	
	C992	QCVB1CM-103Y	0.01MF 16V CER.CAPACI UT	
	C993	QETB1HM-475E	4.7MF 50V E.CAPACITO U	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C993	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UB
	C993	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UC
	C993	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UP
	C993	QETB1HM-475E	4.7MF	50V	E.CAPACITO	US
	C993	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UT
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	U
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UB
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UC
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UP
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	US
	C995	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UT
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	U
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UB
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UC
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UP
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	US
	C999	QETB1HM-475E	4.7MF	50V	E.CAPACITO	UT
	TC701	ENZ1003-015	0.1MF		TRIMMER CA	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R601	QRD161J-622	6.2K	1/6W	CARBON RES	
	R602	QRD167J-562	5.6K	1/6W	CARBON RES	
	R605	QRD167J-134	130K	1/6W	CARBON RES	
	R606	QRD161J-913	91K	1/6W	CARBON RES	
	R607	QRD161J-273	27K	1/6W	CARBON RES	
	R609	QRD161J-114	110K	1/6W	CARBON RES	
	R610	QRD167J-154	150K	1/6W	CARBON RES	
	R612	QRD161J-103	10K	1/6W	CARBON RES	
	R613	QRD167J-121	120	1/6W	CARBON RES	
	R614	QRD161J-100	10	1/6W	CARBON RES	
	R615	QRD161J-120	12	1/6W	CARBON RES	
	R616	QRD161J-910Y	91	1/6W	CARBON RES	
	R631	QRD161J-331	330	1/6W	CARBON RES	
	R632	QRD161J-101	100	1/6W	CARBON RES	
	R641	QRD161J-563	56K	1/6W	CARBON RES	
	R642	QRD161J-123	12K	1/6W	CARBON RES	
	R643	QRD167J-822	8.2K	1/6W	CARBON RES	
	R644	QRD167J-223	22K	1/6W	CARBON RES	
	R645	QRD167J-223	22K	1/6W	CARBON RES	
	R646	QRD161J-182	1.8K	1/6W	CARBON RES	
	R647	QRD167J-562	5.6K	1/6W	CARBON RES	
	R651	QRD161J-102	1K	1/6W	CARBON RES	
	R652	QRD161J-102	1K	1/6W	CARBON RES	
	R653	QRD161J-102	1K	1/6W	CARBON RES	
	R654	QRD161J-102	1K	1/6W	CARBON RES	
	R661	QRD161J-104	100K	1/6W	CARBON RES	
	R663	QRD161J-124	120K	1/6W	CARBON RES	
	R664	QRD161J-681	680	1/6W	CARBON RES	
	R666	QRD161J-220	22	1/6W	CARBON RES	
	R671	QRD161J-102	1K	1/6W	CARBON RES	
	R672	QRD161J-102	1K	1/6W	CARBON RES	
	R681	QRD161J-125	1.2M	1/6W	CARBON RES	
	R691	QRD161J-472	4.7K	1/6W	CARBON RES	
	R692	QRD161J-271	270	1/6W	CARBON RES	
	R701	QRD161J-221	220	1/6W	CARBON RES	
	R703	QRD161J-221	220	1/6W	CARBON RES	
	R705	QRD161J-221	220	1/6W	CARBON RES	
	R707	QRD161J-104	100K	1/6W	CARBON RES	
	R708	QRD161J-470	47	1/6W	CARBON RES	
	R709	QRD161J-103	10K	1/6W	CARBON RES	
	R710	QRD161J-103	10K	1/6W	CARBON RES	
	R712	QRD161J-101	100	1/6W	CARBON RES	
	R713	QRD161J-103	10K	1/6W	CARBON RES	
	R714	QRD167J-121	120	1/6W	CARBON RES	
	R716	QRD167J-121	120	1/6W	CARBON RES	
	R718	QRD167J-121	120	1/6W	CARBON RES	
	R719	QRD161J-102	1K	1/6W	CARBON RES	
	R720	QRD167J-121	120	1/6W	CARBON RES	
	R722	QRD167J-151	150	1/6W	CARBON RES	
	R723	QRD167J-151	150	1/6W	CARBON RES	
	R724	QRD167J-620	62	1/6W	CARBON RES	
	R725	QRD161J-221	220	1/6W	CARBON RES	
	R726	QRD161J-221	220	1/6W	CARBON RES	
	R727	QRD161J-221	220	1/6W	CARBON RES	
	R728	QRD161J-101	100	1/6W	CARBON RES	
	R729	QRD161J-221	220	1/6W	CARBON RES	A
	R729	QRD161J-221	220	1/6W	CARBON RES	C
	R729	QRD161J-221	220	1/6W	CARBON RES	EF
	R729	QRD161J-221	220	1/6W	CARBON RES	EN
	R729	QRD161J-221	220	1/6W	CARBON RES	G
	R729	QRD161J-221	220	1/6W	CARBON RES	GI
	R729	QRD161J-221	220	1/6W	CARBON RES	J
	R729	QRD161J-221	220	1/6W	CARBON RES	U
	R729	QRD161J-221	220	1/6W	CARBON RES	UB
	R729	QRD161J-221	220	1/6W	CARBON RES	UC
	R729	QRD161J-221	220	1/6W	CARBON RES	UP
	R729	QRD161J-221	220	1/6W	CARBON RES	US
	R729	QRD161J-221	220	1/6W	CARBON RES	UT
	R729	QRD161J-221	220	1/6W	CARBON RES	V
	R729	QRD161J-221	220	1/6W	CARBON RES	VX
	R729	QRD161J-471	470	1/6W	CARBON RES	BS
	R730	QRD167J-272	2.7K	1/6W	CARBON RES	
	R731	QRD167J-121	120	1/6W	CARBON RES	
	R732	QRD161J-103	10K	1/6W	CARBON RES	
	R733	QRD161J-103	10K	1/6W	CARBON RES	
	R734	QRD161J-103	10K	1/6W	CARBON RES	
	R738	QRD161J-103	10K	1/6W	CARBON RES	
	R739	QRD161J-103	10K	1/6W	CARBON RES	
	R741	QRD161J-103	10K	1/6W	CARBON RES	
	R742	QRD161J-103	10K	1/6W	CARBON RES	
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	U
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	UB
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	UC
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	UP
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	US

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R951	QRD167J-152	1.5K	1/6W	CARBON RES	UT
	R952	QRD161J-123	12K	1/6W	CARBON RES	U
	R952	QRD161J-123	12K	1/6W	CARBON RES	UB
	R952	QRD161J-123	12K	1/6W	CARBON RES	UC
	R952	QRD161J-123	12K	1/6W	CARBON RES	UP
	R952	QRD161J-123	12K	1/6W	CARBON RES	US
	R952	QRD161J-123	12K	1/6W	CARBON RES	UT
	R953	QRD161J-103	10K	1/6W	CARBON RES	U
	R953	QRD161J-103	10K	1/6W	CARBON RES	UB
	R953	QRD161J-103	10K	1/6W	CARBON RES	UC
	R953	QRD161J-103	10K	1/6W	CARBON RES	UP
	R953	QRD161J-103	10K	1/6W	CARBON RES	US
	R953	QRD161J-103	10K	1/6W	CARBON RES	UT
	R954	QRD161J-103	10K	1/6W	CARBON RES	U
	R954	QRD161J-103	10K	1/6W	CARBON RES	UB
	R954	QRD161J-103	10K	1/6W	CARBON RES	UC
	R954	QRD161J-103	10K	1/6W	CARBON RES	UP
	R954	QRD161J-103	10K	1/6W	CARBON RES	US
	R954	QRD161J-103	10K	1/6W	CARBON RES	UT
	R955	QRD161J-103	10K	1/6W	CARBON RES	U
	R955	QRD161J-103	10K	1/6W	CARBON RES	UB
	R955	QRD161J-103	10K	1/6W	CARBON RES	UC
	R955	QRD161J-103	10K	1/6W	CARBON RES	UP
	R955	QRD161J-103	10K	1/6W	CARBON RES	US
	R955	QRD161J-103	10K	1/6W	CARBON RES	UT
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	U
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	UB
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	UC
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	UP
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	US
	R956	QRD161J-472	4.7K	1/6W	CARBON RES	UT
	R957	QRD161J-103	10K	1/6W	CARBON RES	U
	R957	QRD161J-103	10K	1/6W	CARBON RES	UB
	R957	QRD161J-103	10K	1/6W	CARBON RES	UC
	R957	QRD161J-103	10K	1/6W	CARBON RES	UP
	R957	QRD161J-103	10K	1/6W	CARBON RES	US
	R957	QRD161J-103	10K	1/6W	CARBON RES	UT
	R958	QRD161J-103	10K	1/6W	CARBON RES	U
	R958	QRD161J-103	10K	1/6W	CARBON RES	UB
	R958	QRD161J-103	10K	1/6W	CARBON RES	UC
	R958	QRD161J-103	10K	1/6W	CARBON RES	UP
	R958	QRD161J-103	10K	1/6W	CARBON RES	US
	R958	QRD161J-103	10K	1/6W	CARBON RES	UT
	R959	QRD161J-103	10K	1/6W	CARBON RES	U
	R959	QRD161J-103	10K	1/6W	CARBON RES	UB
	R959	QRD161J-103	10K	1/6W	CARBON RES	UC
	R959	QRD161J-103	10K	1/6W	CARBON RES	UP
	R959	QRD161J-103	10K	1/6W	CARBON RES	US
	R959	QRD161J-103	10K	1/6W	CARBON RES	UT
	R960	QRD167J-223	22K	1/6W	CARBON RES	U
	R960	QRD167J-223	22K	1/6W	CARBON RES	UB
	R960	QRD167J-223	22K	1/6W	CARBON RES	UC
	R960	QRD167J-223	22K	1/6W	CARBON RES	UP
	R960	QRD167J-223	22K	1/6W	CARBON RES	US
	R960	QRD167J-223	22K	1/6W	CARBON RES	UT
	R961	QRD161J-623	62K	1/6W	CARBON RES	U
	R961	QRD161J-623	62K	1/6W	CARBON RES	UB
	R961	QRD161J-623	62K	1/6W	CARBON RES	UC
	R961	QRD161J-623	62K	1/6W	CARBON RES	UP
	R961	QRD161J-623	62K	1/6W	CARBON RES	US
	R961	QRD161J-623	62K	1/6W	CARBON RES	UT
	R962	QRD167J-153	15K	1/6W	CARBON RES	U
	R962	QRD167J-153	15K	1/6W	CARBON RES	UB
	R962	QRD167J-153	15K	1/6W	CARBON RES	UC
	R962	QRD167J-153	15K	1/6W	CARBON RES	UP
	R962	QRD167J-153	15K	1/6W	CARBON RES	US
	R962	QRD167J-153	15K	1/6W	CARBON RES	UT
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	U
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	UB
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	UC
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	UP
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	US
	R963	QRD161J-303Y	30K	1/6W	CARBON RES	UT
	R964	QRD161J-105	1M	1/6W	CARBON RES	U
	R964	QRD161J-105	1M	1/6W	CARBON RES	UB
	R964	QRD161J-105	1M	1/6W	CARBON RES	UC
	R964	QRD161J-105	1M	1/6W	CARBON RES	UP
	R964	QRD161J-105	1M	1/6W	CARBON RES	US
	R964	QRD161J-105	1M	1/6W	CARBON RES	UT
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	U
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	UB
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	UC
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	UP
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	US
	R965	QRD167J-682	6.8K	1/6W	CARBON RES	UT
	R966	QRD161J-331	330	1/6W	CARBON RES	U
	R966	QRD161J-331	330	1/6W	CARBON RES	UB
	R966	QRD161J-331	330	1/6W	CARBON RES	UC
	R966	QRD161J-331	330	1/6W	CARBON RES	UP
	R966	QRD161J-331	330	1/6W	CARBON RES	US
	R966	QRD161J-331	330	1/6W	CARBON RES	UT
	R967	QRD161J-563	56K	1/6W	CARBON RES	
	R971	QRD161J-104	100K	1/6W	CARBON RES	U
	R971	QRD161J-104	100K	1/6W	CARBON RES	UB
	R971	QRD161J-104	100K	1/6W	CARBON RES	UC
	R971	QRD161J-104	100K	1/6W	CARBON RES	UP
	R971	QRD161J-104	100K	1/6W	CARBON RES	US
	R971	QRD161J-104	100K	1/6W	CARBON RES	UT
	R973	QRD161J-103	10K	1/6W	CARBON RES	U
	R973	QRD161J-103	10K	1/6W	CARBON RES	UB
	R973	QRD161J-103	10K	1/6W	CARBON RES	UC
	R973	QRD161J-103	10K	1/6W	CARBON RES	UP
	R973	QRD161J-103	10K	1/6W	CARBON RES	US
	R973	QRD161J-103	10K	1/6W	CARBON RES	UT
	R974	QRD161J-103	10K	1/6W	CARBON RES	U
	R974	QRD161J-103	10K	1/6W	CARBON RES	UB
	R974	QRD161J-103	10K	1/6W	CARBON RES	UC
	R974	QRD161J-103	10K	1/6W	CARBON RES	UP
	R974	QRD161J-103	10K	1/6W	CARBON RES	US
	R974	QRD161J-103	10K	1/6W	CARBON RES	UT

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R975	QRD161J-512	5.1K 1/6W CARBON RES	U
	R975	QRD161J-512	5.1K 1/6W CARBON RES	UB
	R975	QRD161J-512	5.1K 1/6W CARBON RES	UC
	R975	QRD161J-512	5.1K 1/6W CARBON RES	UP
	R975	QRD161J-512	5.1K 1/6W CARBON RES	US
	R975	QRD161J-512	5.1K 1/6W CARBON RES	UT
	R976	QRD161J-512	5.1K 1/6W CARBON RES	U
	R976	QRD161J-512	5.1K 1/6W CARBON RES	UB
	R976	QRD161J-512	5.1K 1/6W CARBON RES	UC
	R976	QRD161J-512	5.1K 1/6W CARBON RES	UP
	R976	QRD161J-512	5.1K 1/6W CARBON RES	US
	R976	QRD161J-512	5.1K 1/6W CARBON RES	UT
	R977	QRD161J-104	100K 1/6W CARBON RES	U
	R977	QRD161J-104	100K 1/6W CARBON RES	UB
	R977	QRD161J-104	100K 1/6W CARBON RES	UC
	R977	QRD161J-104	100K 1/6W CARBON RES	UP
	R977	QRD161J-104	100K 1/6W CARBON RES	US
	R977	QRD161J-104	100K 1/6W CARBON RES	UT
	R978	QRD161J-104	100K 1/6W CARBON RES	U
	R978	QRD161J-104	100K 1/6W CARBON RES	UB
	R978	QRD161J-104	100K 1/6W CARBON RES	UC
	R978	QRD161J-104	100K 1/6W CARBON RES	UP
	R978	QRD161J-104	100K 1/6W CARBON RES	US
	R978	QRD161J-104	100K 1/6W CARBON RES	UT
	R979	QRD161J-221	220 1/6W CARBON RES	U
	R979	QRD161J-221	220 1/6W CARBON RES	UB
	R979	QRD161J-221	220 1/6W CARBON RES	UC
	R979	QRD161J-221	220 1/6W CARBON RES	UP
	R979	QRD161J-221	220 1/6W CARBON RES	US
	R979	QRD161J-221	220 1/6W CARBON RES	UT
	R980	QRD161J-104	100K 1/6W CARBON RES	U
	R980	QRD161J-104	100K 1/6W CARBON RES	UB
	R980	QRD161J-104	100K 1/6W CARBON RES	UC
	R980	QRD161J-104	100K 1/6W CARBON RES	UP
	R980	QRD161J-104	100K 1/6W CARBON RES	US
	R980	QRD161J-104	100K 1/6W CARBON RES	UT
	R982	QRD161J-243	24K 1/6W CARBON RES	U
	R982	QRD161J-243	24K 1/6W CARBON RES	UB
	R982	QRD161J-243	24K 1/6W CARBON RES	UC
	R982	QRD161J-243	24K 1/6W CARBON RES	UP
	R982	QRD161J-243	24K 1/6W CARBON RES	US
	R982	QRD161J-243	24K 1/6W CARBON RES	UT
	R984	QRD161J-103	10K 1/6W CARBON RES	U
	R984	QRD161J-103	10K 1/6W CARBON RES	UB
	R984	QRD161J-103	10K 1/6W CARBON RES	UC
	R984	QRD161J-103	10K 1/6W CARBON RES	UP
	R984	QRD161J-103	10K 1/6W CARBON RES	US
	R984	QRD161J-103	10K 1/6W CARBON RES	UT
	R985	QRD161J-103	10K 1/6W CARBON RES	U
	R985	QRD161J-103	10K 1/6W CARBON RES	UB
	R985	QRD161J-103	10K 1/6W CARBON RES	UC
	R985	QRD161J-103	10K 1/6W CARBON RES	UP
	R985	QRD161J-103	10K 1/6W CARBON RES	US
	R985	QRD161J-103	10K 1/6W CARBON RES	UT
	R986	QRD161J-103	10K 1/6W CARBON RES	U
	R986	QRD161J-103	10K 1/6W CARBON RES	UB
	R986	QRD161J-103	10K 1/6W CARBON RES	UC
	R986	QRD161J-103	10K 1/6W CARBON RES	UP
	R986	QRD161J-103	10K 1/6W CARBON RES	US
	R986	QRD161J-103	10K 1/6W CARBON RES	UT
	R987	QRD161J-221	220 1/6W CARBON RES	U
	R987	QRD161J-221	220 1/6W CARBON RES	UB
	R987	QRD161J-221	220 1/6W CARBON RES	UC
	R987	QRD161J-221	220 1/6W CARBON RES	UP
	R987	QRD161J-221	220 1/6W CARBON RES	US
	R987	QRD161J-221	220 1/6W CARBON RES	UT
	R988	QRD161J-221	220 1/6W CARBON RES	U
	R988	QRD161J-221	220 1/6W CARBON RES	UB
	R988	QRD161J-221	220 1/6W CARBON RES	UC
	R988	QRD161J-221	220 1/6W CARBON RES	UP
	R988	QRD161J-221	220 1/6W CARBON RES	US
	R988	QRD161J-221	220 1/6W CARBON RES	UT
	VR701	QVAA72B-E548	50K VARIABLE R	U
	VR701	QVAA72B-E548	50K VARIABLE R	UB
	VR701	QVAA72B-E548	50K VARIABLE R	UC
	VR701	QVAA72B-E548	50K VARIABLE R	UP
	VR701	QVAA72B-E548	50K VARIABLE R	US
	VR701	QVAA72B-E548	50K VARIABLE R	UT

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		FMMW1016-003	PRINTED BOA	
	J701	QMS3RA0-EE0S	MICROPHONE	U
	J701	QMS3RA0-EE0S	MICROPHONE	UB
	J701	QMS3RA0-EE0S	MICROPHONE	UC
	J701	QMS3RA0-EE0S	MICROPHONE	UP
	J701	QMS3RA0-EE0S	MICROPHONE	US
	J701	QMS3RA0-EE0S	MICROPHONE	UT
	J702	QMS3RA0-EE0S	MICROPHONE	U
	J702	QMS3RA0-EE0S	MICROPHONE	UB
	J702	QMS3RA0-EE0S	MICROPHONE	UC
	J702	QMS3RA0-EE0S	MICROPHONE	UP
	J702	QMS3RA0-EE0S	MICROPHONE	US
	J702	QMS3RA0-EE0S	MICROPHONE	UT
	J951	VMJ4024-001	HEADPHONE J	
	S701	ESP0001-023M	TACT SWITCH	
	S702	ESP0001-023M	TACT SWITCH	
	S703	ESP0001-023M	TACT SWITCH	
	S704	ESP0001-023M	TACT SWITCH	
	S705	ESP0001-023M	TACT SWITCH	
	S706	ESP0001-023M	TACT SWITCH	
	S707	ESP0001-023M	TACT SWITCH	
	S708	ESP0001-023M	TACT SWITCH	
	S709	ESP0001-023M	TACT SWITCH	
	S710	ESP0001-023M	TACT SWITCH	
	S711	ESP0001-023M	TACT SWITCH	
	S712	ESP0001-023M	TACT SWITCH	
	S713	ESP0001-023M	TACT SWITCH	
	S714	ESP0001-023M	TACT SWITCH	
	S715	ESP0001-023M	TACT SWITCH	
	S716	ESP0001-023M	TACT SWITCH	
	S717	ESP0001-023M	TACT SWITCH	
	S718	ESP0001-023M	TACT SWITCH	
	S719	ESP0001-023M	TACT SWITCH	
	S720	ESP0001-023M	TACT SWITCH	
	S721	ESP0001-023M	TACT SWITCH	
	S722	ESP0001-023M	TACT SWITCH	
	S723	ESP0001-023M	TACT SWITCH	
	S724	ESP0001-023M	TACT SWITCH	
	S725	ESP0001-023M	TACT SWITCH	
	S726	ESP0001-023M	TACT SWITCH	
	S727	ESP0001-023M	TACT SWITCH	
	S728	ESP0001-023M	TACT SWITCH	
	S729	ESP0001-023M	TACT SWITCH	
	S730	ESP0001-023M	TACT SWITCH	
	X651	ECX0169-344EF	CRYSTAL	
	X701	ECX0006-000KNJ	CRYSTAL	
	X951	ECX0000-400KS	CERAMIC RES	U
	X951	ECX0000-400KS	CERAMIC RES	UB
	X951	ECX0000-400KS	CERAMIC RES	UC
	X951	ECX0000-400KS	CERAMIC RES	UP
	X951	ECX0000-400KS	CERAMIC RES	US
	X951	ECX0000-400KS	CERAMIC RES	UT
	BK701	E309500-001SM	FL HOLDER	
	CN411	VMC0163-R35	CONNECT TER	
	CN601	EMV7144-015R	CONNECT TER	
	CN602	EMV5109-006A	CONNECT TER	
	CN603	VMC0163-R07	CONNECT TER	
	CN604	VMC0163-R11	CONNECT TER	
	CN701	VMC0314-S10	CONNECT TER	
	CN711	VMC0314-P10	CONNECT TER	
	FL701	ELU0001-210	FLUORESCENT	
	FS701	E3400-439	FELT SPACER	
	FS702	E3400-439	FELT SPACER	
	FW701	VWSC10-133K3K	FLAT WIRE A	
	FW702	VWSC08-133K3K	FLAT WIRE A	
	FW703	VWSC10-163K3K	FLAT WIRE A	
	FW704	EWR33D-20SS	FLAT WIRE A	
	FW706	EWS33A-8406	SOCKET WIRE	
	FW901	EWR39D-10LS	FLAT WIRE A	
	JS701	QSJ4002-E04J5	ROTARY SWIT	
	K1703	ENZ8101-007	INDUCTOR	BS
	K1703	ENZ8101-007	INDUCTOR	EF
	K1703	ENZ8101-007	INDUCTOR	EN
	K1703	ENZ8101-007	INDUCTOR	G
	K1703	ENZ8101-007	INDUCTOR	GI
	K1703	ENZ8101-007	INDUCTOR	VX
	SP601	VYH7237-001	I.C.COVER	
	SP602	VYH7237-003	I.C.COVER	
	SP603	VYH7237-003	I.C.COVER	
	SP701	VYH7653-001	SPRING	
	TP601	QMV5004-002K	PLUG ASSY	
	TW601	EWF102-047	TERMINAL WI	
	TW901	EWT015-001	TERMINAL WI	

⚠ : SAFETY PARTS

■ Changer Control P. C. Board Ass'y

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC801	UPD65612GB-177	I.C(M) NEC	
	IC802	TA8409S	I.C(MONO-AN TOSHIBA	
	IC803	TA8409S	I.C(MONO-AN TOSHIBA	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C801	QEK51AM-107	100MF 10V AL E.CAPAC	
	C802	QEK51EM-475	4.7MF 25V AL E.CAPAC	
	C803	QFLB1HJ-102	1000PF 50V MYLAR CAPA	
	C804	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C805	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C806	QEK51CM-476	47MF 16V AL E.CAPAC	
	C807	QEK51CM-476	47MF 16V AL E.CAPAC	
	C808	QFLB1HJ-102	1000PF 50V MYLAR CAPA	
	C810	QCZ0205-155	1.5MF 25V C.CAPACITO	
	C811	QCZ0205-155	1.5MF 25V C.CAPACITO	
	C813	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	
	C815	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C816	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C817	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C818	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C819	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C820	QCFB1HZ-104Y	0.1MF 50V CER.CAPACI	
	C821	QCBB1HK-102Y	1000PF 50V CER.CAPACI	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R805	QRD161J-102	1K 1/6W CARBON RES	
	R806	QRD161J-471	470 1/6W CARBON RES	
	R807	QRD161J-471	470 1/6W CARBON RES	
	R808	QRD161J-102	1K 1/6W CARBON RES	
	R810	QRD161J-684	680K 1/6W CARBON RES	
	R811	QRD161J-105	1M 1/6W CARBON RES	
	R813	QRD161J-102	1K 1/6W CARBON RES	
	R814	QRD161J-102	1K 1/6W CARBON RES	
	R815	QRD161J-102	1K 1/6W CARBON RES	
	R816	QRD161J-102	1K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R817	QRD161J-102	1K 1/6W CARBON RES	
	R818	QRD161J-102	1K 1/6W CARBON RES	
	R819	QRD161J-102	1K 1/6W CARBON RES	
	R820	QRD161J-102	1K 1/6W CARBON RES	
	R821	QRD161J-102	1K 1/6W CARBON RES	
	R822	QRD161J-102	1K 1/6W CARBON RES	
	R823	QRD161J-102	1K 1/6W CARBON RES	
	R824	QRD161J-102	1K 1/6W CARBON RES	
	R825	QRD161J-102	1K 1/6W CARBON RES	
	R826	QRD161J-102	1K 1/6W CARBON RES	
	R827	QRD161J-102	1K 1/6W CARBON RES	
	R828	QRD161J-102	1K 1/6W CARBON RES	
	R829	QRD161J-102	1K 1/6W CARBON RES	
	R830	QRD161J-102	1K 1/6W CARBON RES	
	R832	QRD161J-181	180 1/6W CARBON RES	
	R833	QRD161J-102	1K 1/6W CARBON RES	
	R834	QRD161J-102	1K 1/6W CARBON RES	
	R839	QRD167J-332	3.3K 1/6W CARBON RES	
	R840	QRD167J-562	5.6K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		QSEC001-E03	LEVER SWITC	
		SBSF2608Z	TAPPING SCR	
		VMC0289-S07K	CONNECTOR	
		VMW1377-004XMM	PW BOARD	
		VPH4116-005	CUSHION	
		VWE352-084K4K	WIRE	
		VYH7237-001MM	IC HOLDER>>	
	L801	VQP0018-100	INDUCTOR	
	L802	VQP0033-100Z	INDUCTOR	
	L803	VQP0033-100Z	INDUCTOR	
	L804	VQP0033-100Z	INDUCTOR	
	CN801	VMC0163-R10	CONNECT TER	
	CN802	VMC0289-P07	CONNECT TER	
	CN803	VMC0324-12310	CONNECT TER	

⚠ : SAFETY PARTS

Accessories List

Block No. M 5 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2375A	INSTRUCTION BOOK	1		J
		E30580-2376A	INSTRUCTION BOOK	1		EF,G,GI
		E30580-2377A	INSTRUCTION BOOK	1		U,UB,US,UT
		E30580-2378A	INSTRUCTION BOOK	1		A
		E30580-2378ABS	INSTRUCTION BOOK	1		BS
		E30580-2379A	INSTRUCTION BOOK	1		VX
		E30580-2380A	INSTRUCTION BOOK	1		C
		E30580-2381A	INSTRUCTION BOOK	1		EN
		E30580-2382A	INSTRUCTION BOOK	1		UP
	2	E309758-002	ENVELOPE	1		Except UP
		E300196-033	ENVELOPE	1		UP
	3	EQB4001-015	AM LOOP ANTENNA	1		
	4	BT-20071B	SVC CENTER LIST	1		C
	5	BT-52002-1	WARRANTY CARD	1		C
		BT-54003-1	WARRANTY CARD	1		BS
		BT-56001-1	WARRANTY CARD	1		A
		BT-20134	WARRANTY CARD	1		G
		BT-56004-3	WARRANTY CARD	1		UP
	6	BT-51006-1	REGISTER CARD	1		J
	7	BT-20066A	WARRANTY CARD	1		BS
	8	EWP201-011	BILT IN ANTENNA	1		A,C,J,U,UB,UC,UP,US,UT
	8	EWP503-001	BILT IN ANTENNA	1		BS,EF,EN,G,GI,V,VX
	9	BT-20044G	SAFETY SHEET	1		J
	10	E43486-340A	SAFETY SHEET	1		BS
	11	VMZ0139-001	CONNECT PLUG	1		U
		VMZ0139-001	CONNECT PLUG	1		UC
	11	VMZ0139-001	CONNECT PLUG	1		UT
	12	V04062-002	AC PLUG	1		US
	13	RM-SED5TU	WIRE-LESS REMOTE CONTROL	1		A,BS,C,EF,EN,G,GI,J,V,VX,
		RM-SED5TXU	WIRE-LESS REMOTE CONTROL	1		U,UB,UC,UP,US,UT
	14	UM-3(DJ)-2PSA	BATTERY	2		

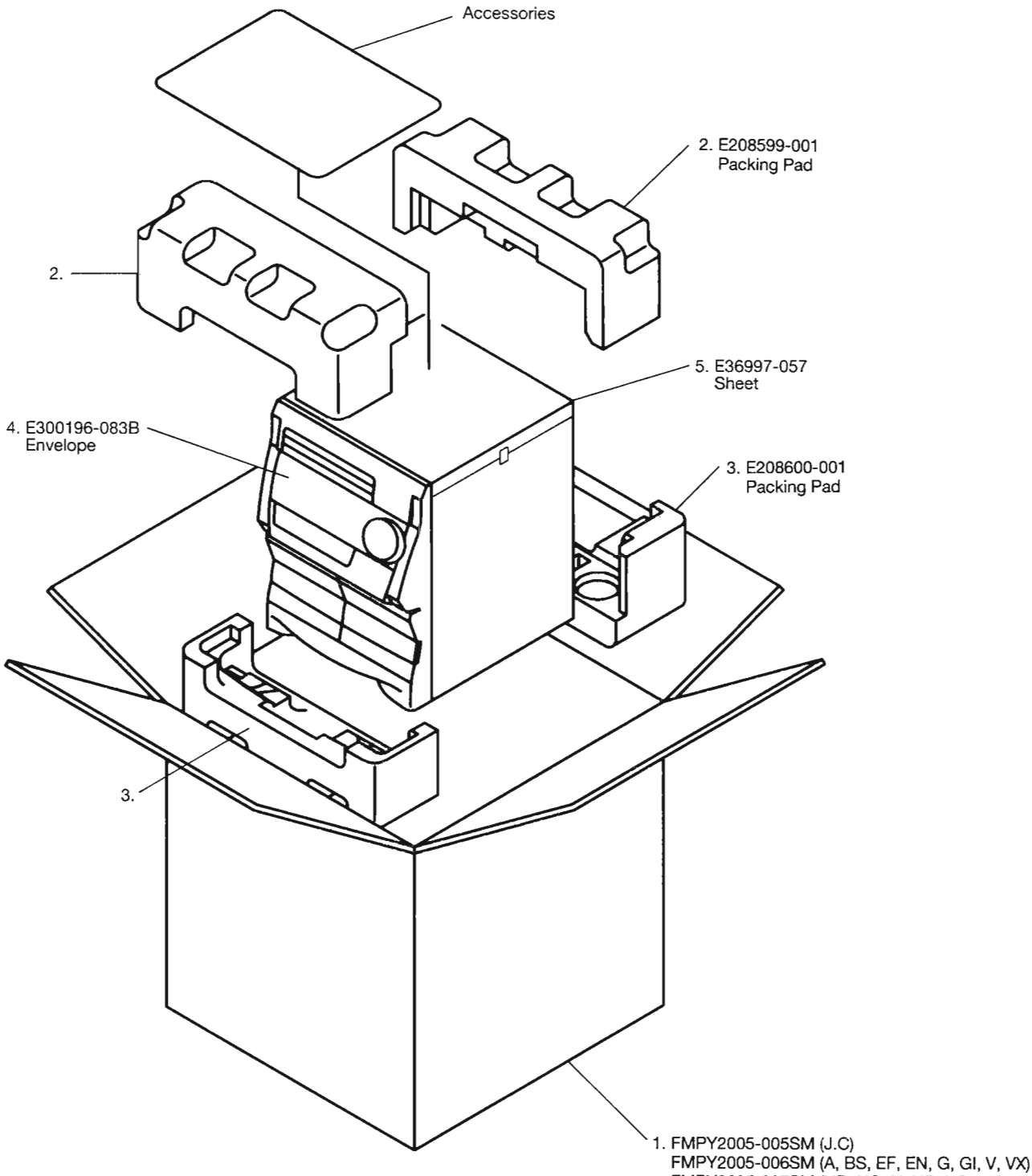
⚠ : Safety Parts

The Marks for Designated Areas

A	Australia	BS	the U.K.	C	Canada	EF	Continental Europe
EN ...	Scandinavia	G	Germany	GI	Italy	J	the U.S.A.
UB ...	Hong Kong	U	Universal Type	UP	Korea	US	Singapore
UT ...	Taiwan	VX	East Europe	No mark indicates all area.			

Packing Materials and Part Numbers

Block No. M 6 M M



The Mark for Designated Areas.							
A	Australia	BS ...	the U.K.	C	Canada	EF ...	Continental Type
EN ...	Scandinavia	GI ...	Italy	G	Germany	J	the U.S.A.
UB ...	Hong Kong	U	Universal Type	UP	Korea	US ...	Singapore
UT ...	Taiwan	VX ...	Ease Europe	No mark indicates all area.			

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