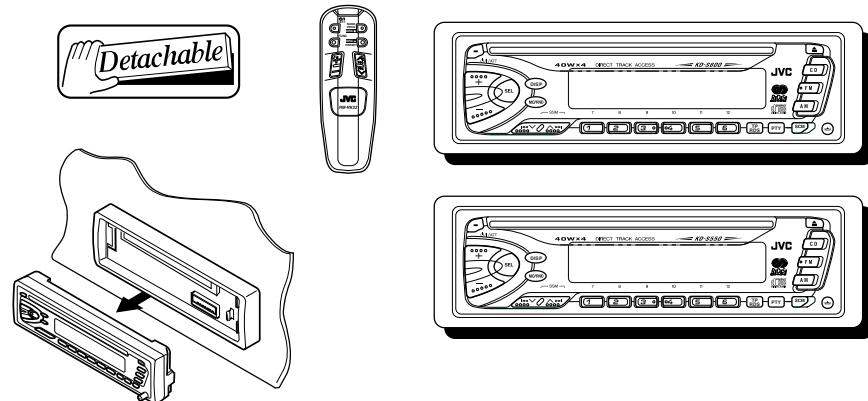


JVC

SERVICE MANUAL

CD RECEIVER

KD-S676R / KD-S673R

Area Suffix
E ---- Continental Europe



| Model | Illumination color |
|---------|--------------------|
| KD-S676 | Green |
| KD-S673 | Umber |

Contents

| | | | |
|--|--------|-----------------------------------|--------|
| Safety precaution | 1-2 | Maintenance of laser pickup | 2-10 |
| Instructions | 1-3~15 | Description of major ICs | 2-11 |
| Location of main parts | 2-1 | Block diagram | 2-24 |
| Disassembly method | 2-2 | Standard schematic diagrams | 2-25 |
| Adjustment method | 2-7 | Printed circuit board | 2-28 |
| Flow of functional operation until TOC read | 2-8 | Parts list | 3-1~11 |

JVC

VICTOR COMPANY OF JAPAN, LIMITED
MOBILE ELECTRONICS DIVISION, 10-1, 1Chome, Ohwata-machi, Maebashi-city, Japan

Safety precaution

 **CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

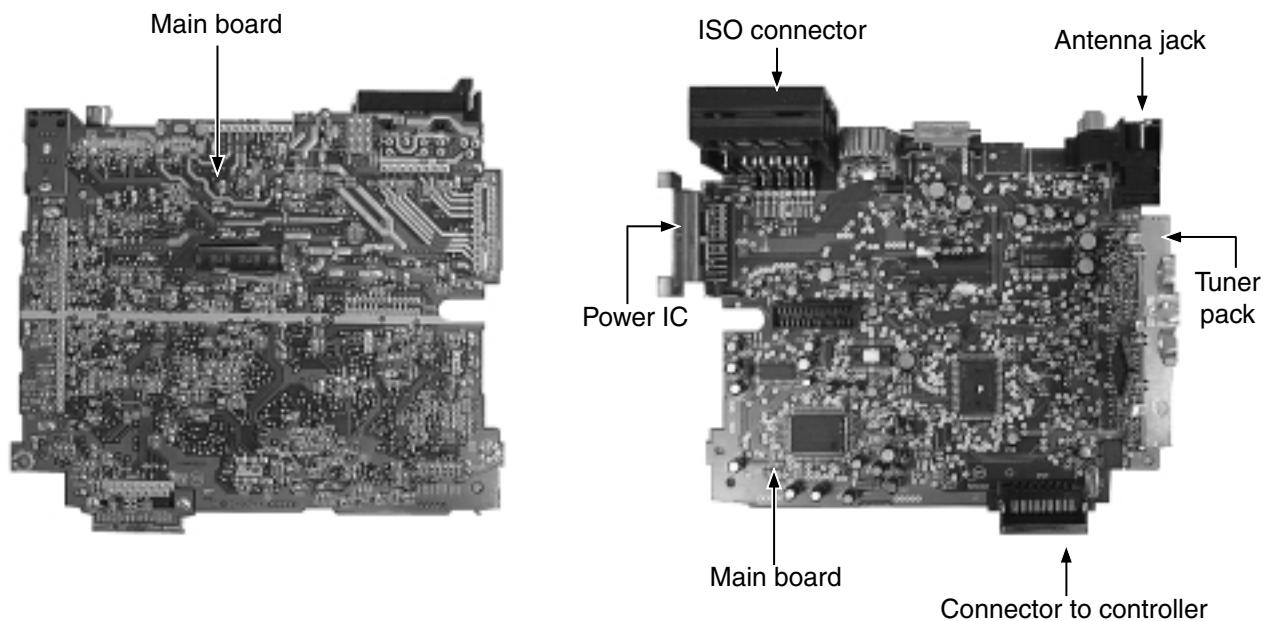
 **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Location of main parts

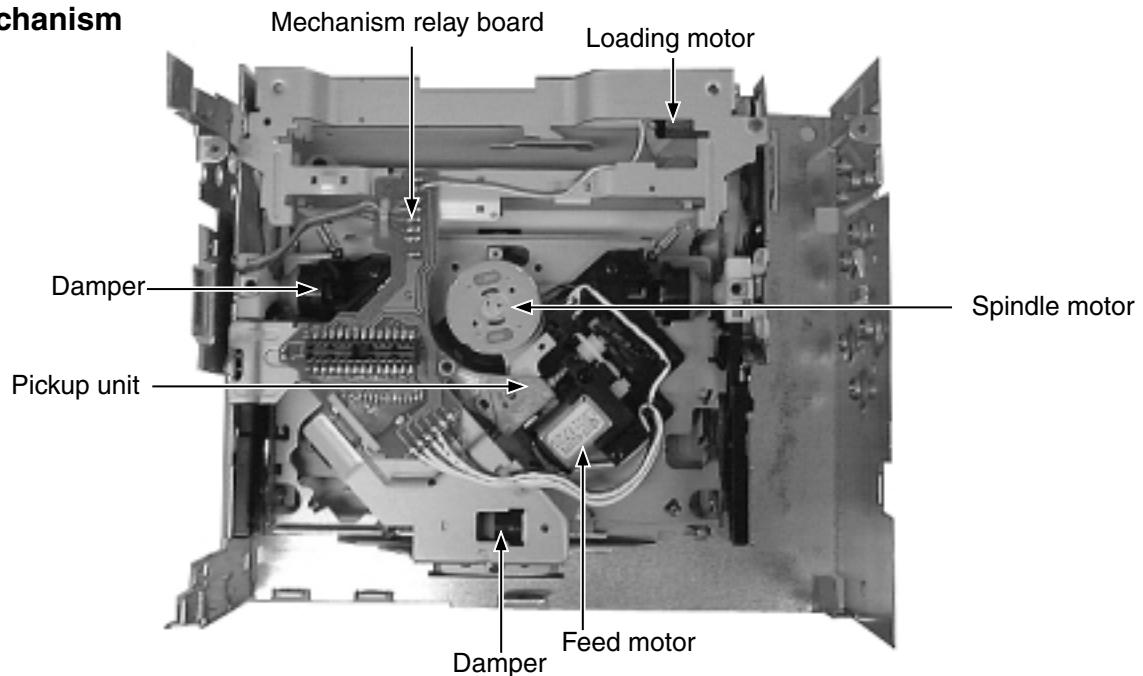
■ Control unit



■ Main unit



■ CD mechanism



Disassembly method

■ Removing the front panel unit (See Fig.1)

1. Press the release button and remove the front panel unit in the direction of the arrow.

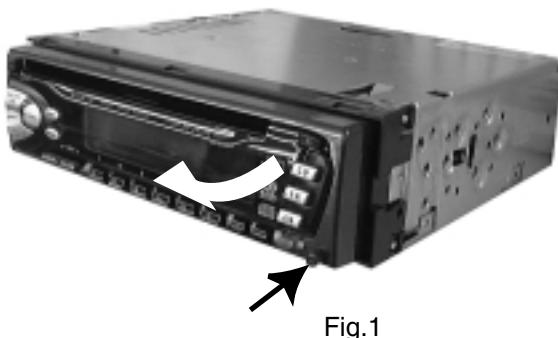


Fig.1

■ Removing the front chassis (See Fig.2)

1. Insert a screwdriver to the joints a on the side of the front chassis and two joints b on the right side, then detach the front chassis toward the front side.

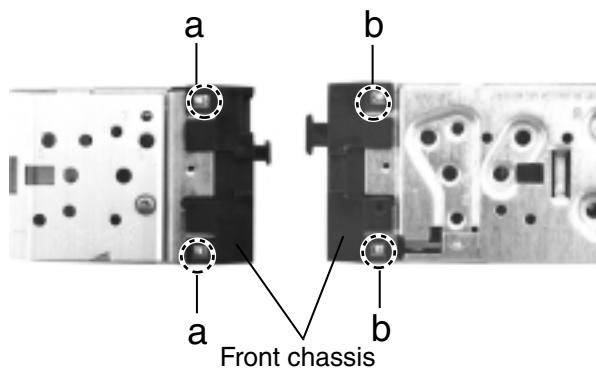


Fig.2

■ Removing the heat sink (See Fig.3)

1. Remove the three screws A attaching the heat sink on the left side of the body, and remove the heat sink.

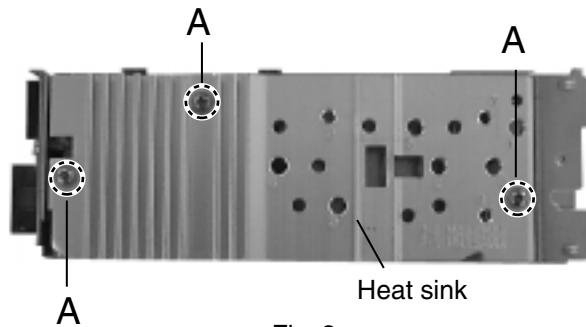


Fig. 3

■ Removing the bottom cover (See Fig.4)

1. Turn the body upside down.
2. Insert a screwdriver to the two joints c and two joints d on both sides of the body and the joint e on the back of the body, then detach the bottom cover from the body.

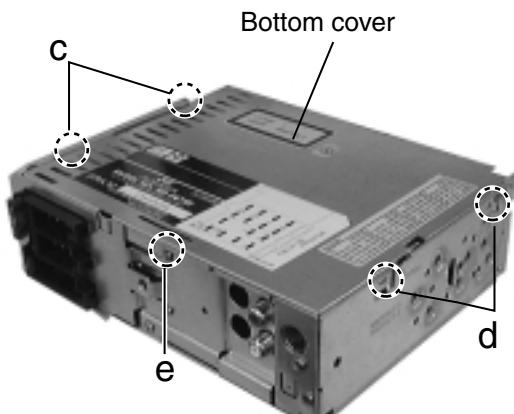


Fig. 4

■ Removing the main amplifier board (See Fig.5 and 6)

1. Remove the front chassis.
2. Remove the bottom cover.
3. Remove the two screws B attaching the main amplifier board assembly on the bottom of the body.
4. Remove the three screws C attaching the main amplifier board assembly on the back of the body.
5. Disconnect connector CN501 on the main amplifier board assembly from the CD mechanism assembly.

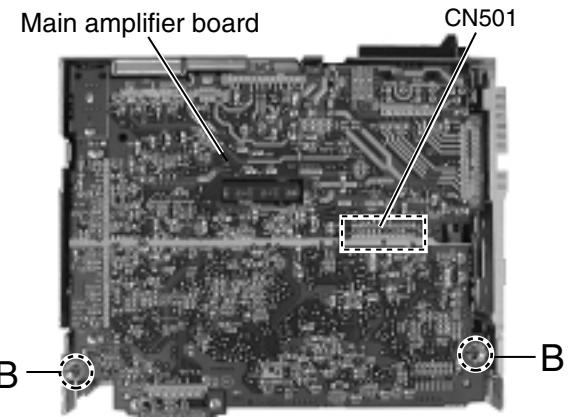


Fig.5

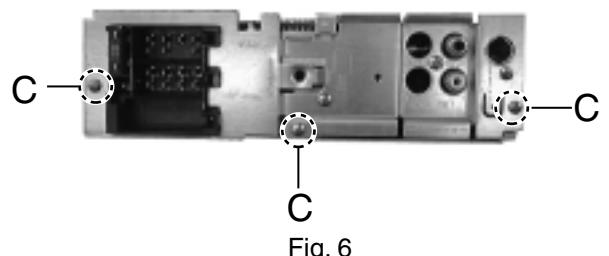


Fig. 6

■ Removing the CD mechanism assembly (See Fig.7)

1. Remove the front chassis.
2. Remove the bottom cover.
3. Remove the main amplifier board assembly.
4. Remove the three screws D attaching the CD mechanism assembly from the top cover.

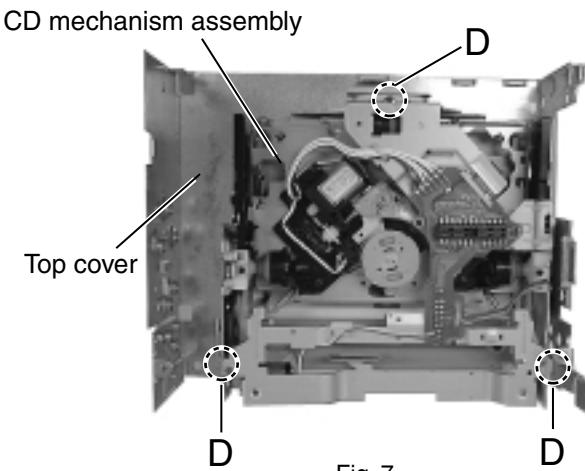


Fig. 7

■ Removing the control switch board (See Fig.8 and 9)

1. Remove the front chassis.
2. Remove the four screws E attaching the rear cover on the back of the front panel unit.
3. Remove the control switch board from the front panel unit.

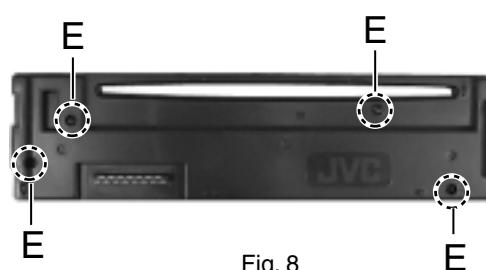


Fig. 8

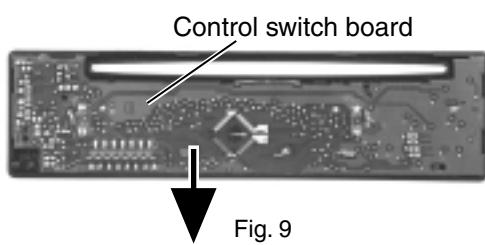


Fig. 9

<CD mechanism section>

- Prior to disassembling the CD mechanism, remove the following parts.
- The front panel unit and the front chassis (Refer to Fig.1 and 2)
- The heat sink (Refer to Fig.3)
- The bottom cover (Refer to Fig.4)
- The main amplifier board (Refer to Fig.5 and 6)
- The CD mechanism assembly (Refer to Fig.7)

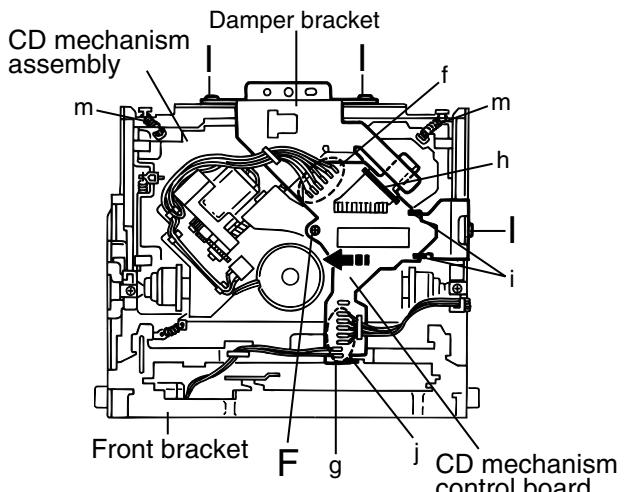


Fig.10

■ Removing the CD mechanism control board(See Fig.10 and 11)

- Unsolder the part f and g on the CD mechanism control board.
- Remove the stator fixing the CD mechanism control board and the damper bracket (To remove the stator smoothly, pick up the center part).

Remove the screw F attaching the CD mechanism control board.

Remove the CD mechanism control board in the direction of the arrow while releasing it from the two damper bracket slots i and the front bracket slot j.

Disconnect the flexible wire from connector on the pickup unit.

ATTENTION: Turn the FD gear in the direction of the arrow to move the entire pickup unit to the appropriate position where the flexible wire of the CD mechanism unit can be disconnected easily (Refer to Fig.11).

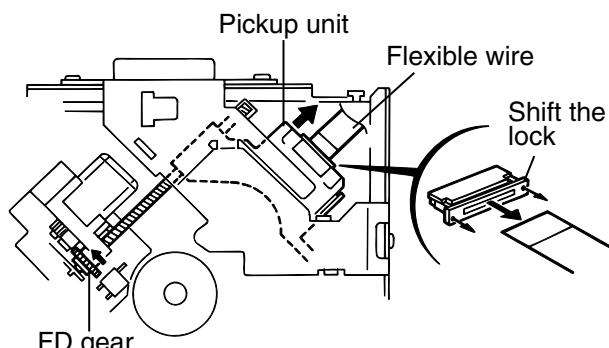


Fig.11

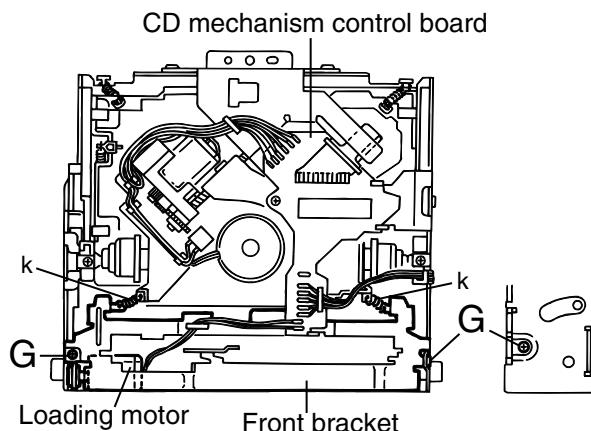


Fig.12

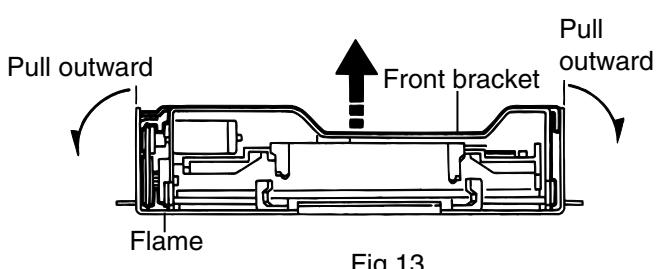


Fig.13

■Removing the loading motor (See Fig.12 to 14)

* Prior to performing the following procedure, remove the CD mechanism control board.

1. Remove the two springs k attaching the CD mechanism ass'y and the front bracket.
2. Remove the two screws G and the front bracket while pulling the flame outward.
3. Remove the belt and the screw H from the loading motor.

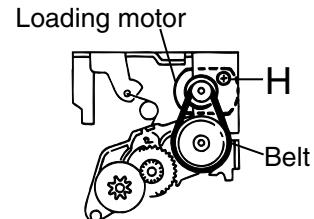


Fig.14

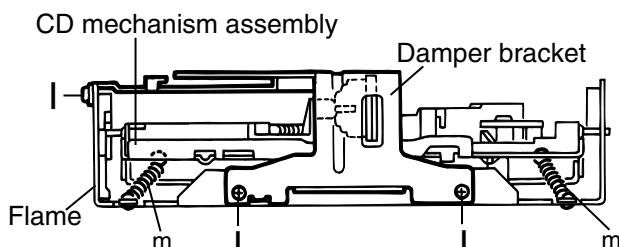


Fig.15

■Removing the CD mechanism ass'y (See Fig.10, 15 to 18)

* Prior to performing the following procedure, remove the CD mechanism control PWB and the front bracket (loading motor).

1. Remove the three screws I and the damper bracket.
2. Raise the both sides fix arms and move the fix plates in the direction of the arrow to place the four shafts I as shown in Fig.17 and 18.
3. Remove the CD mechanism ass'y and the two springs m attaching the flame.
4. Remove the two screws J and both sides rear damper brackets from the dampers. Detach the CD mechanism ass'y from the left side to the right side.

ATTENTION: The CD mechanism ass'y can be removed if only the rear damper bracket on the left side is removed.

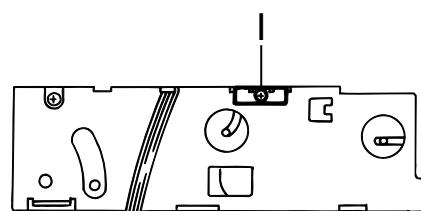


Fig.16

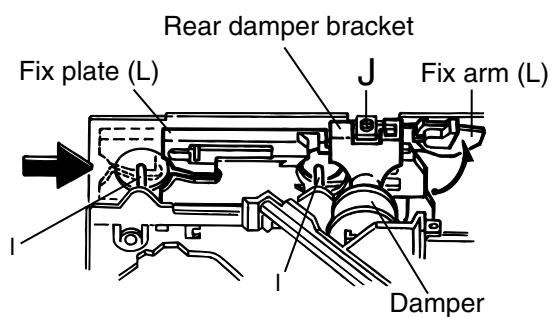


Fig.17

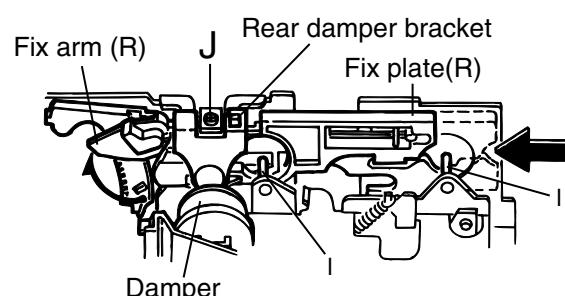


Fig.18

■ Removing the feed motor assembly (See Fig.19)

* Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor) and the CD mechanism ass'y.

1. Remove the two screws K and the feed motor ass'y.

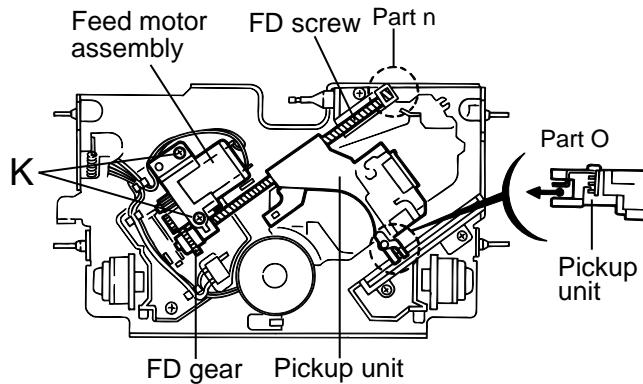


Fig.19

■ Removing the pickup unit (See Fig.19 and 20)

* *Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism ass'y and the feed motor ass'y.

1. Detach the FD gear part of the pickup unit upward. Then remove the pickup unit while pulling out the part n of the FD screw.

ATTENTION: When reattaching the pickup unit, reattach the part o of the pickup unit, then the part n of the FD screw.

2. Remove the screw L attaching the nut push spring plate and the pickup mount nut from the pickup unit. Pull out the FD screw.

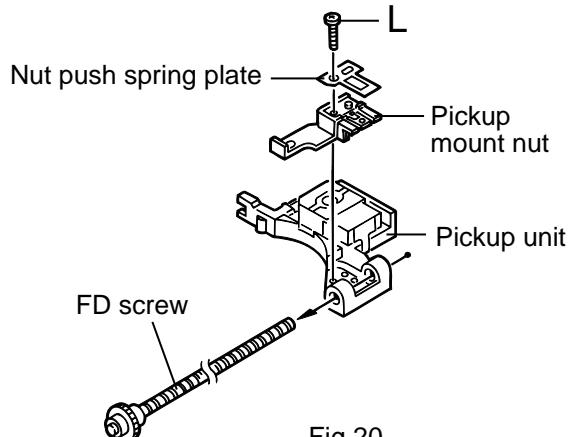


Fig.20

■ Removing the spindle motor (See Fig.21 and 22)

* Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism ass'y and the feed motor ass'y.

1. Turn up the CD mechanism ass'y and remove the two springs p on both sides of the clamper arms. Open the clamper arm upward.
2. Turn the turn table, and remove the two screws M and the spindle motor.

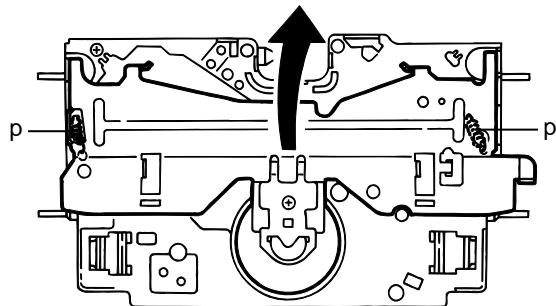


Fig.21

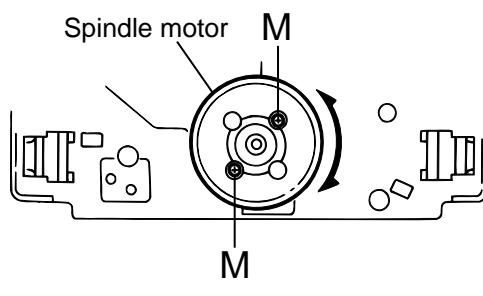


Fig.22

Adjustment method

■ Test instruments required for adjustment

1. Digital oscilloscope (100MHz)
2. AM Standard signal generator
3. FM Standard signal generator
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc JVC :CTS-1000
9. Extension cable for check
EXTGS004-26P×1

■ Standard volume position

Balance and Bass & Treble volume : Indication "0"

Loudness : OFF

BBE : OFF

■ Frequency Band

FM 87.5MHz ~ 108.0MHz

MW 522kHz ~ 1620 kHz

LW 144kHz ~ 279kHz

■ Dummy load

Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

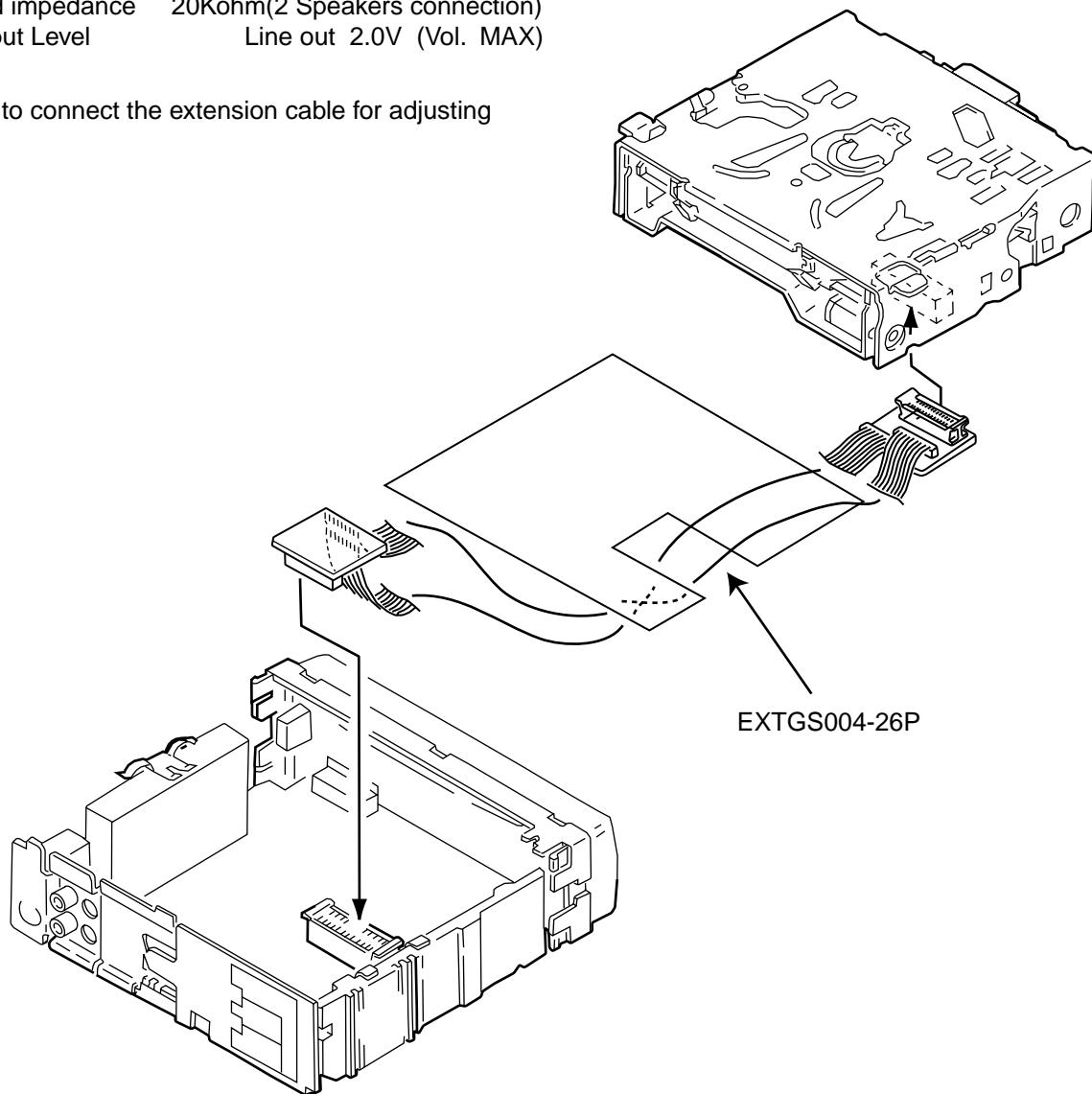
■ Standard measuring conditions

Power supply voltage DC14.4V(10.5~16V)

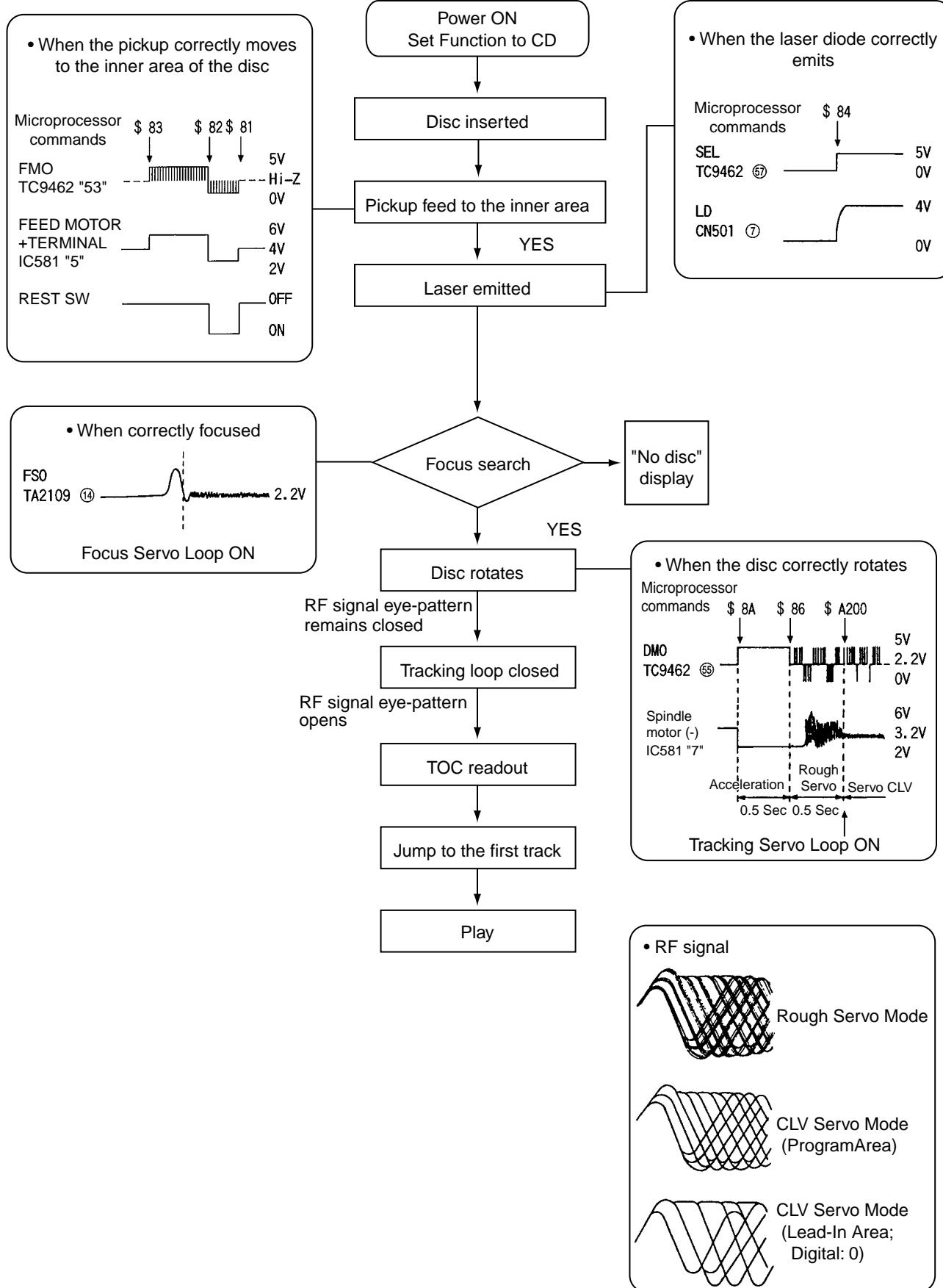
Load impedance 20Kohm(2 Speakers connection)

Output Level Line out 2.0V (Vol. MAX)

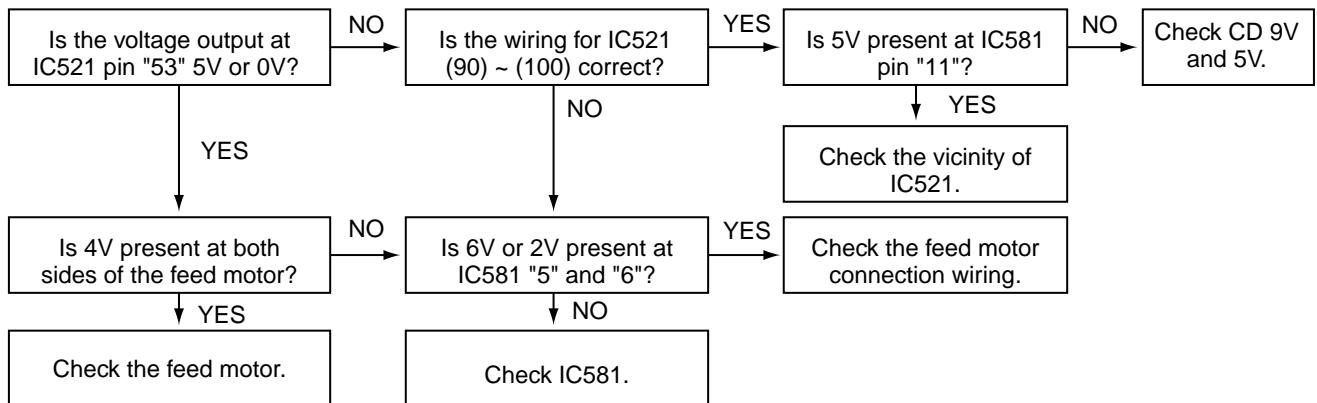
■ How to connect the extension cable for adjusting



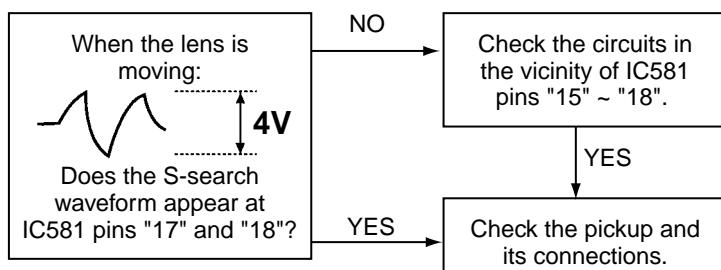
Flow of functional operation until TOC read



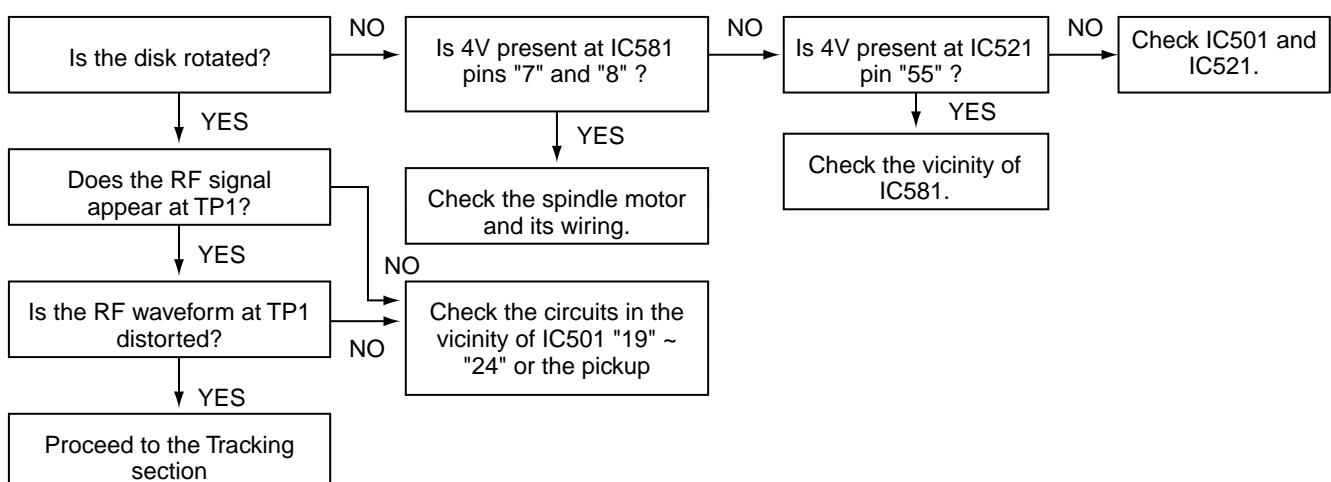
■ Feed Section



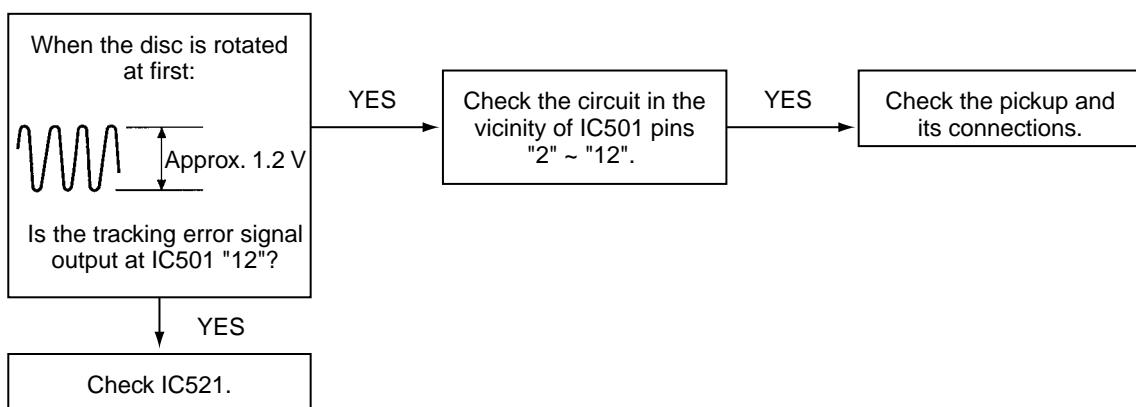
■ Focus Section



■ Spindle Section



■ Tracking Section



Maintenance of laser pickup

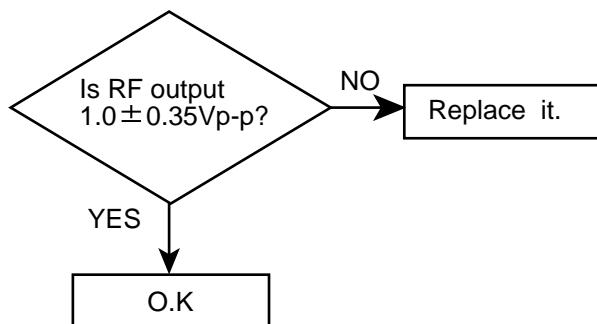
(1) Cleaning the pick up lens

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

(2) Life of the laser diode

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

- (1) The level of RF output (EFM output:amplitude of eye pattern) will be low.



Replacement of laser pickup

(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.

Turn off the power switch and, disconnect the power cord from the ac outlet.

Replace the pickup with a normal one.(Refer to "Pickup Removal" on the previous page)

Plug the power cord in, and turn the power on. At this time, check that the laser emits for about 3seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.

Play a disc.

Check the eye-pattern at TP1.

Finish.

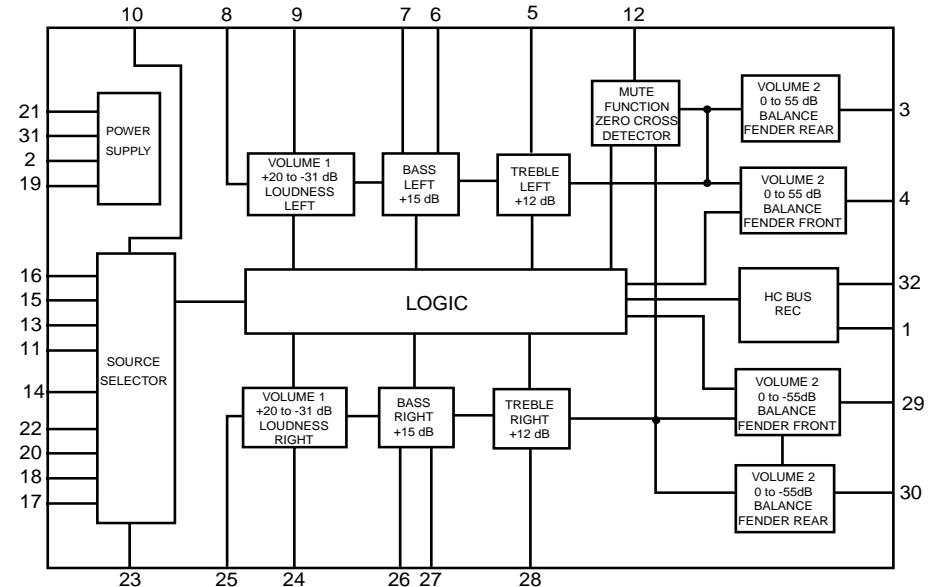
Description of major ICs

■ TEA6320T-X (IC161) : E.volume

1.Pin Layout

| | | | | |
|-------|----|-------|-------|-----|
| SDA | 1 | 32 | SCL | |
| GND | 2 | 31 | VCC | |
| OUTLR | 3 | 30 | OUTRR | |
| OUTLF | 4 | 29 | OUTRF | |
| TL | 5 | 28 | TR | |
| B2L | 6 | 27 | B2R | |
| B1L | 7 | 26 | B1R | |
| IVL | 8 | 25 | IVR | |
| ILL | 9 | 24 | ILR | |
| QSL | 10 | 23 | QSR | |
| IDL | 11 | 22 | IDR | |
| MUTE | 12 | 21 | Vref | |
| ICL | 13 | CD-CH | 20 | ICR |
| IMD | 14 | | 19 | CAP |
| IBL | 15 | TAPE | 18 | IBR |
| IAL | 16 | TUNER | 17 | IAR |

2.Block Diagram

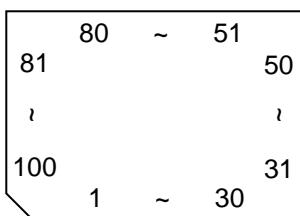


3.Pin Functions

| Pin No. | Symbol | I/O | Functions | Pin No. | Symbol | I/O | Functions |
|---------|--------|-----|--|---------|--------|-----|---|
| 1 | SDA | I/O | Serial data input/output. | 17 | IAR | I | Input A right source. |
| 2 | GND | - | Ground. | 18 | IBR | I | Input B right source. |
| 3 | OUTLR | O | output left rear. | 19 | CAP | - | Electronic filtering for supply. |
| 4 | OUTLF | O | output left front. | 20 | ICR | I | Input C right source. |
| 5 | TL | I | Treble control capacitor left channel or input from an external equalizer. | 21 | Vref | - | Reference voltage (0.5Vcc) |
| 6 | B2L | - | Bass control capacitor left channel or output to an external equalizer. | 22 | IDR | - | Not used |
| 7 | B1L | - | Bass control capacitor left channel. | 23 | QSR | O | Output source selector right channel. |
| 8 | IVL | I | Input volume 1. left control part. | 24 | ILR | I | Input loudness right channel. |
| 9 | ILL | I | Input loudness. left control part. | 25 | IVR | I | Input volume 1. right control part. |
| 10 | QSL | O | Output source selector. left channel. | 26 | B1R | - | Bass control capacitor right channel |
| 11 | IDL | - | Not used | 27 | B2R | O | Bass control capacitor right channel or output to an external equalizer. |
| 12 | MUTE | - | Not used | 28 | TR | I | Treble control capacitor right channel or input from an external equalizer. |
| 13 | ICL | I | Input C left source. | 29 | OUTRF | O | Output right front. |
| 14 | IMO | - | Not used | 30 | OUTRR | O | Output right rear. |
| 15 | IBL | I | Input B left source. | 31 | Vcc | - | Supply voltage. |
| 16 | IAL | I | Input A left source. | 32 | SCL | I | Serial clock input. |

■ TC9462F (IC541) : DSP & DAC

1. Pin Layout



2. Pin Function (1/2)

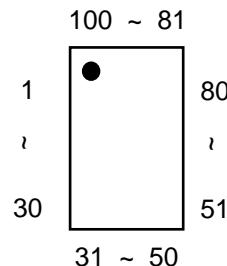
| Pin No. | Symbol | I/O | Function |
|---------|--------|-----|--|
| 1 | TEST0 | I | Test mode terminal. Normally, keep at open |
| 2 | HSO | O | Playback speed mode flag output terminal |
| 3 | UHSO | O | Playback speed mode flag output terminal |
| 4 | EMPH | O | Sub code Q data emphasis flag output terminal. "H"=ON "L"=OFF |
| 5 | LRCK | O | Channel clock output terminal.(44.1kHz) "H"=Rch "L"=Lch |
| 6 | Vss | - | Digital GND terminal |
| 7 | BCK | O | Bit clock output terminal. (1.4122MHz) |
| 8 | AOUT | O | Audio data output terminal |
| 9 | DOUT | O | Digital data output terminal |
| 10 | MBOV | O | Buffer memory over signal output terminal. |
| 11 | IPF | O | Correction flag output terminal |
| 12 | SBOK | O | Sub code Q data CRCC check adjusting result output terminal. "H"=result OK |
| 13 | CLK | I/O | Sub code P~W data readout input/output terminal |
| 14 | Vdd | - | Digital power supply voltage terminal |
| 15 | Vss | - | Digital GND terminal |
| 16 | DATA | O | Sub code P~W data output terminal |
| 17 | SFSY | O | Play-back frame sync signal output terminal |
| 18 | SBSY | O | Sub code block sync signal output terminal |
| 19 | SPCK | O | Processor status signal readout clock output terminal |
| 20 | SPDA | O | Processor status signal output terminal |
| 21 | COFS | O | Correction frame clock output terminal (7.35kHz) |
| 22 | MONIT | O | Internal signal (DSP internal flag and PLL clock) output terminal |
| 23 | Vdd | - | Digital power supply voltage terminal |
| 24 | TESIO0 | I | Test input/output terminal. Normally, keep at "L" level |
| 25 | P2VREF | - | PLL double reference voltage supply terminal |
| 26 | HSSW | O | 2/4 times speed at "Vref" voltage |
| 27 | ZDET | O | 1bit DA converter zero detect flag output terminal |
| 28 | PDO | O | Phase difference signal output terminal of EFM signal and PLCK signal |
| 29 | TMAXS | O | TMAX detection result output terminal. Selected by command bit (TMPS) |
| 30 | TMAX | O | TMAX detection result output terminal. Selected by command bit (TMPS) |
| 31 | LPFN | I | LPF amplifier inverting input terminal for PLL |
| 32 | LPFO | O | LPF amplifier output terminal for PLL |
| 33 | PVREF | - | PLL reference voltage supply terminal |
| 34 | VCOREF | I | VCO center frequency reference level terminal |
| 35 | VCOF | O | VCO filter terminal |
| 36 | AVss | - | Analog GND terminal |
| 37 | SLCO | O | Data slice level output terminal |
| 38 | RFI | I | RF signal input terminal |
| 39 | AVDD | - | Analog power supply voltage terminal |

2.Pin Function (2/2)

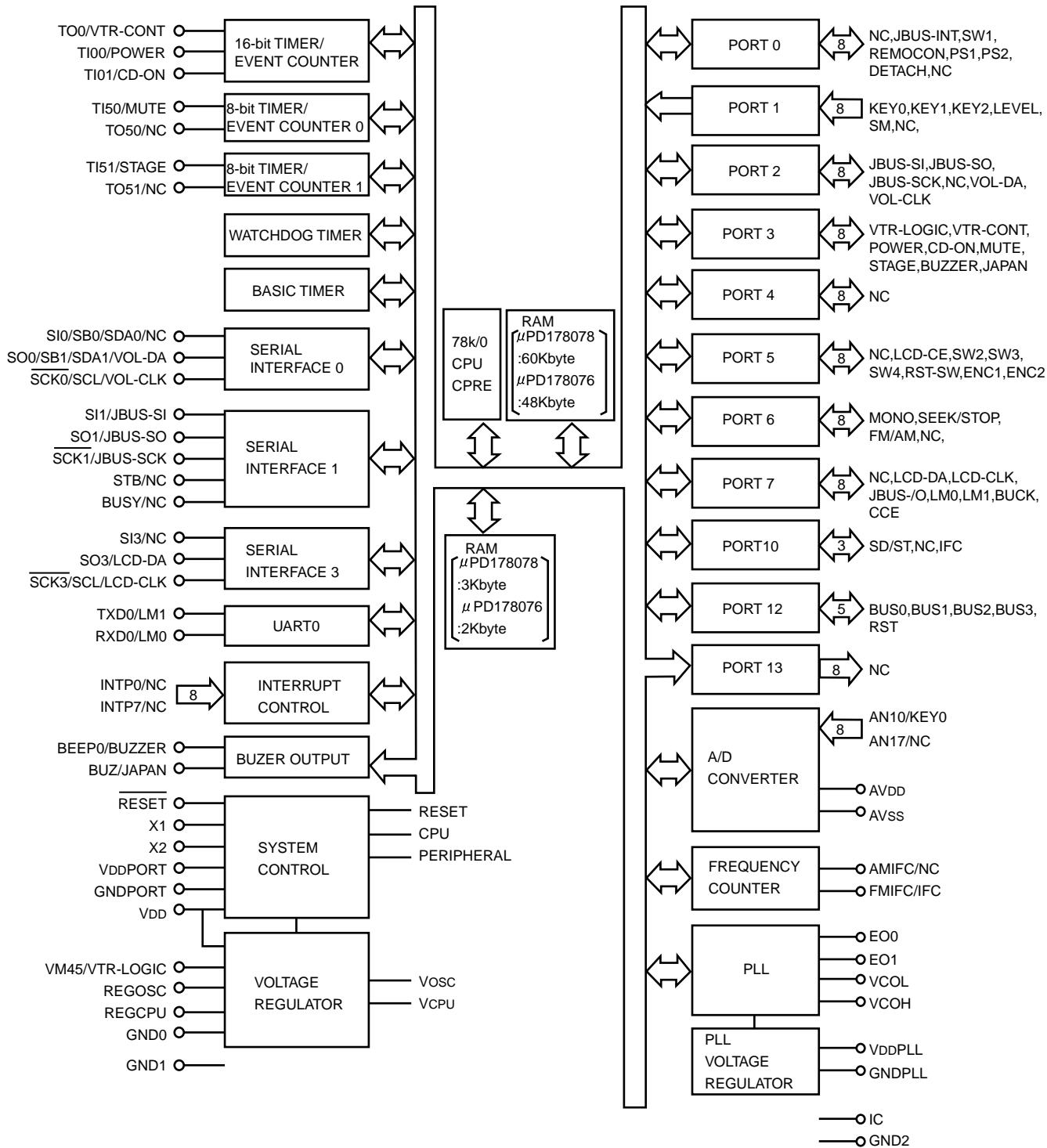
| Pin No. | Symbol | I/O | Function |
|---------|---------|-----|--|
| 40 | RFCT | I | RFRP signal center level input terminal |
| 41 | RFZI | I | RFRP zero cross input terminal |
| 42 | RFRP | I | RF ripple signal input terminal |
| 43 | FEI | I | Focus error signal input terminal |
| 44 | SBAD | I | Sub-beam adder signal input terminal |
| 45 | TSIN | I | Test input terminal Normally, keep at "vref" level |
| 46 | TEI | I | Tracking error signal input terminal. Take in at tracking servo ON. |
| 47 | TEZI | I | Tracking error zero cross input terminal |
| 48 | FOO | O | Focus servo equalizer output terminal |
| 49 | TRO | O | Tracking servo equalizer output terminal |
| 50 | VREF | - | Analog reference voltage supply terminal |
| 51 | RGFC | O | RF amplitude adjustment control signal output terminal |
| 52 | TEBC | O | Tracking balance control signal output terminal |
| 53 | FMO | O | Feed equalizer output terminal |
| 54 | FVO | O | Speed error signal or feed search equalizer output terminal |
| 55 | DMO | O | Disk equalizer output terminal (PWM carrier=88.2kHz for DSP, Synchronize to PXO) |
| 56 | 2VREF | - | Analog double reference voltage supply terminal |
| 57 | SEL | O | APC circuit ON/OFF indication signal output terminal |
| 58~61 | FLGA~D | O | External flag output terminal for internal signal |
| 62 | VDD | - | Digital power supply voltage terminal |
| 63 | VSS | - | Digital GND terminal |
| 64~67 | IO0~3 | I/O | General I/O terminal |
| 68 | DMOUT | I | This terminal control IO0~IO3 terminal |
| 69 | CKSE | I | Normally, keep at open |
| 70 | DACT | I | DAC test mode terminal. Normally, keep at open |
| 71 | TESIN | I | Test input terminal, Normally, keep at "L" level |
| 72 | TESIO1 | I | Test input/output terminal. Normally, keep at "L" level |
| 73 | VSS | - | Digital GND terminal |
| 74 | PXI | I | Crystal oscillator connecting input terminal for DSP |
| 75 | PXO | O | Crystal oscillator connecting output terminal for DSP |
| 76 | VDD | - | Digital power supply voltage terminal |
| 77 | XVSS | - | Oscillator GND terminal for system clock |
| 78 | XI | I | Crystal oscillator connecting input terminal for system clock |
| 79 | XO | O | Crystal oscillator connecting output terminal for system clock |
| 80 | XVDD | - | Oscillator power supply voltage terminal for system clock |
| 81 | DVSR | - | Analog GND terminal for DA converter (Rch) |
| 82 | RO | O | R channel data forward output terminal |
| 83 | DVDD | - | Analog supply voltage terminal for DA converter |
| 84 | DVR | - | Reference voltage terminal for DA converter |
| 85 | LO | O | L channel data forward output terminal |
| 86 | DVSL | - | Analog GND terminal for DA converter (Lch) |
| 87~89 | TEST1~3 | I | Test mode terminal . Normal keep at open |
| 90~93 | BUS0~3 | I/O | Micon interface data input/output terminal |
| 94 | VDD | - | Digital power supply voltage terminal |
| 95 | VSS | - | Digital GND terminal |
| 96 | BUCK | I | Micon interface clock input terminal |
| 97 | CCE | I | Command and data sending/receiving chip enable signal input terminal |
| 98 | TEST4 | I | Test mode terminal. Normal, keep at open |
| 99 | TSMOD | I | Local test mode selection terminal |
| 100 | RST | I | Reset signal input terminal. Reset at "L" level |

■ UPD178076GF-522 (IC701): System CPU

1. Terminal layout



2. Block diagram



3.Pin function

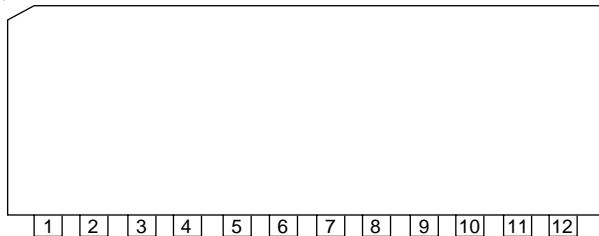
UPD178076GF-522(1/2)

| Pin NO. | Symbol | I/O | FUNCTION |
|---------|----------|-----|--------------------------------|
| 1 | NC | - | Non connection |
| 2 | BUSINT | I | JVC BUS COMMUNICATION LINE |
| 3 | BUSSI | I | JVC BUS COMMUNICATION LINE |
| 4 | BUSSO | O | JVC BUS COMMUNICATION LINE |
| 5 | JBUS-SCK | O | JVC BUS COMMUNICATION LINE |
| 6 | NC | - | Non connection |
| 7 | NC | - | Non connection |
| 8 | I2CDAI | I | SERIAL DATA INPUT |
| 9 | I2CDAO | O | SERIAL DATA OUTPUT |
| 10 | I2CCLK | O | SERIAL CLOCK OUTPUT |
| 11 | NC | - | Non connection |
| 12 | LCDDA | O | LCD DRIVER SERIAL DATA OUTPUT |
| 13 | LCDSCK | O | LCD DRIVER SERIAL CLOCK OUTPUT |
| 14 | BUSI/O | O | JVC BUS OUTPUT SELECT |
| 15 | NC | - | Non connection |
| 16 | LCDCE | O | LCD DRIVER COMMUNICATION LINE |
| 17 | SW2 | I | CD MECHA SW |
| 18 | SW3 | I | CD MECHA SW |
| 19 | SW4 | I | CD MECHA SW |
| 20 | RSTSW | I | TRAVERSE MECHA REST SW |
| 21 | ENC1 | I | ENCODER INPUT |
| 22 | ENC2 | I | ENCODER INPUT |
| 23 | KEY0 | I | KEY INPUT |
| 24 | KEY1 | I | KEY INPUT |
| 25 | KEY2 | I | KEY INPUT |
| 26 | LEVEL | I | AUDIO LEVEL INPUT |
| 27 | AVDD | - | --- |
| 28 | SM | I | SIGNAL LEVEL METER INPUT |
| 29 | SQ | I | SIGNAL QUALITY INPUT |
| 30 | NC | - | Non connection |
| 31 | NC | - | Non connection |
| 32 | AVSS | - | --- |
| 33 | REGCPU | - | --- |
| 34 | VDD | - | --- |
| 35 | REGOSC | - | --- |
| 36 | X2 | - | SYSTEM CLOCK |
| 37 | X1 | I | SYSTEM CLOCK |
| 38 | GND0 | - | --- |
| 39 | SD/ST | I | STATION DETECTOR & STEREO IND. |
| 40 | GND2 | - | --- |
| 41 | NC | - | Non connection |
| 42 | IFC | I | IF COUNT INPUT |
| 43 | VDDPLL | - | --- |
| 44 | OSC | I | FM,AM OSC INPUT |
| 45 | NC | - | Non connection |
| 46 | GNDPLL | - | --- |
| 47 | AMEQ | O | PLL ERROR OUTPUT FOR AM |
| 48 | FMEQ | O | PLL ERROR OUTPUT FOR FM |
| 49 | IC(VPP) | - | SETTING TO WRITE FOR FLASH |
| 50 | RESET | I | SYSTEM RESET |

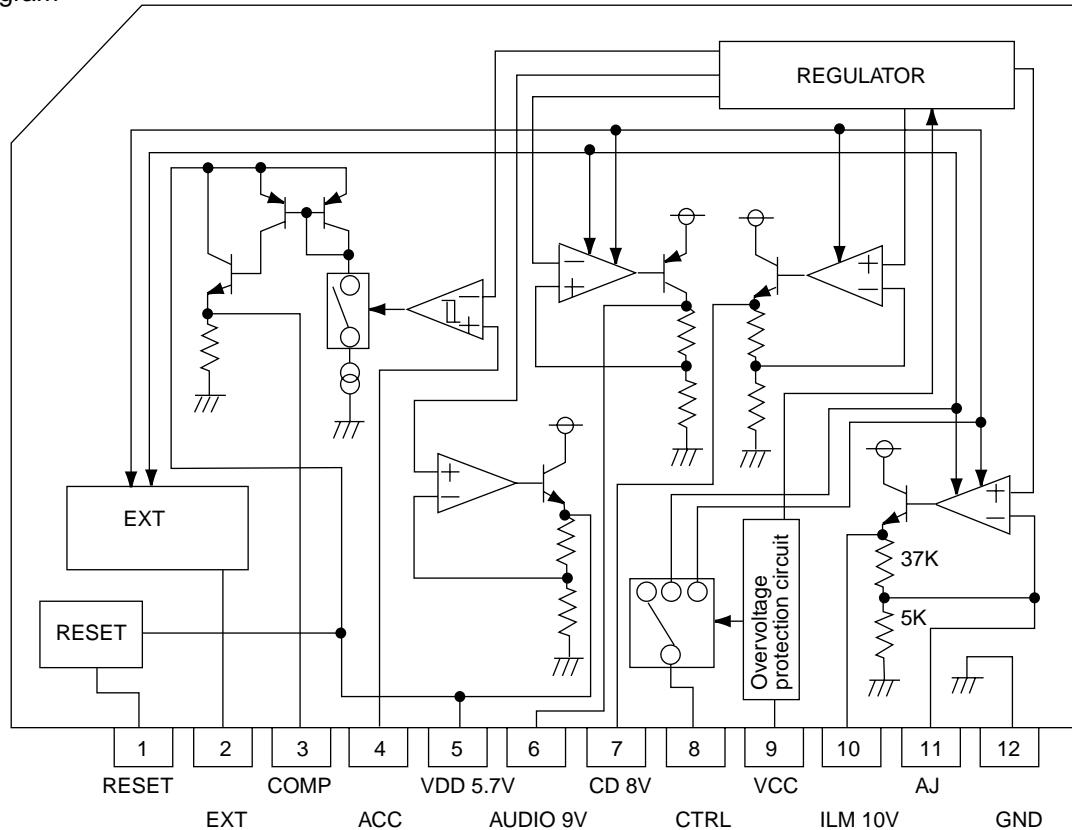
| Pin NO. | Symbol | I/O | FUNCTION |
|---------|------------|-----|---------------------------|
| 51 | SW1 | I | CD MECHA SW |
| 52 | REMOCON | I | REMOCON INPUT |
| 53 | NC | - | Non connection |
| 54 | TEL_MUTE | O | TEL MUTE OUTPUT |
| 55 | POWER | O | POWER CONT. |
| 56 | CDON | O | CD POWER CONT. |
| 57 | MUTE | O | MUTE CONT |
| 58 | STAGE 1 | - | --- |
| 59 | BUZZER | - | Non connection |
| 60 | STAGE 2 | - | --- |
| 61 | NC | - | Non connection |
| 62 | NC | - | Non connection |
| 63 | NC | - | Non connection |
| 64 | NC | - | Non connection |
| 65 | NC | - | Non connection |
| 66 | NC | - | Non connection |
| 67 | NC | - | Non connection |
| 68 | NC | - | Non connection |
| 69 | LM0 | O | CD MECHA DRIVER CONT. |
| 70 | LM1 | O | CD MECHA DRIVER CONT. |
| 71 | BUCK | O | CD LSI COMMUNICATION LINE |
| 72 | CCE | O | CD LSI COMMUNICATION LINE |
| 73 | BUS0 | I/O | CD LSI COMMUNICATION LINE |
| 74 | BUS1 | I/O | CD LSI COMMUNICATION LINE |
| 75 | BUS2 | I/O | CD LSI COMMUNICATION LINE |
| 76 | BUS3 | I/O | CD LSI COMMUNICATION LINE |
| 77 | RST | O | CD LSI COMMUNICATION LINE |
| 78 | PS1 | I | ACC DETECTION INPUT |
| 79 | PS2 | I | MEMORY DETECTION |
| 80 | DETACH | I | DETACH DETECTION |
| 81 | RDSSCK | I | CLOCK INPUT FOR RDS |
| 82 | GND1 | - | --- |
| 83 | MONO | O | MONO BY FORCE |
| 84 | SEEK/STOP | O | SWITCHING SEEK & STOP |
| 85 | FM/AM | O | BAND SW |
| 86 | AFCK | O | AF CHECK OUTPUT |
| 87 | RDSDATA | I | RDS DATA INPUT |
| 88 | PLLMONITOR | - | Non connection |
| 89 | NC | - | Non connection |
| 90 | NC | - | Non connection |
| 91 | NC | - | Non connection |
| 92 | NC | - | Non connection |
| 93 | NC | - | Non connection |
| 94 | NC | - | Non connection |
| 95 | NC | - | Non connection |
| 96 | NC | - | Non connection |
| 97 | NC | - | Non connection |
| 98 | NC | - | Non connection |
| 99 | VDDPORT | - | --- |
| 100 | GNDPORT | - | --- |

■ BA4905-V3 (IC961) : Regulator

1.Terminal layout



2.Block daigram

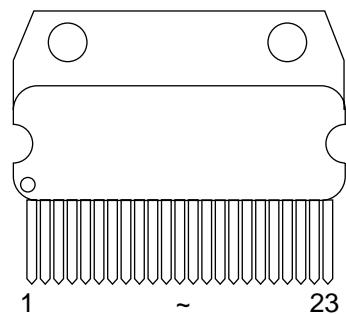


3.Pin function

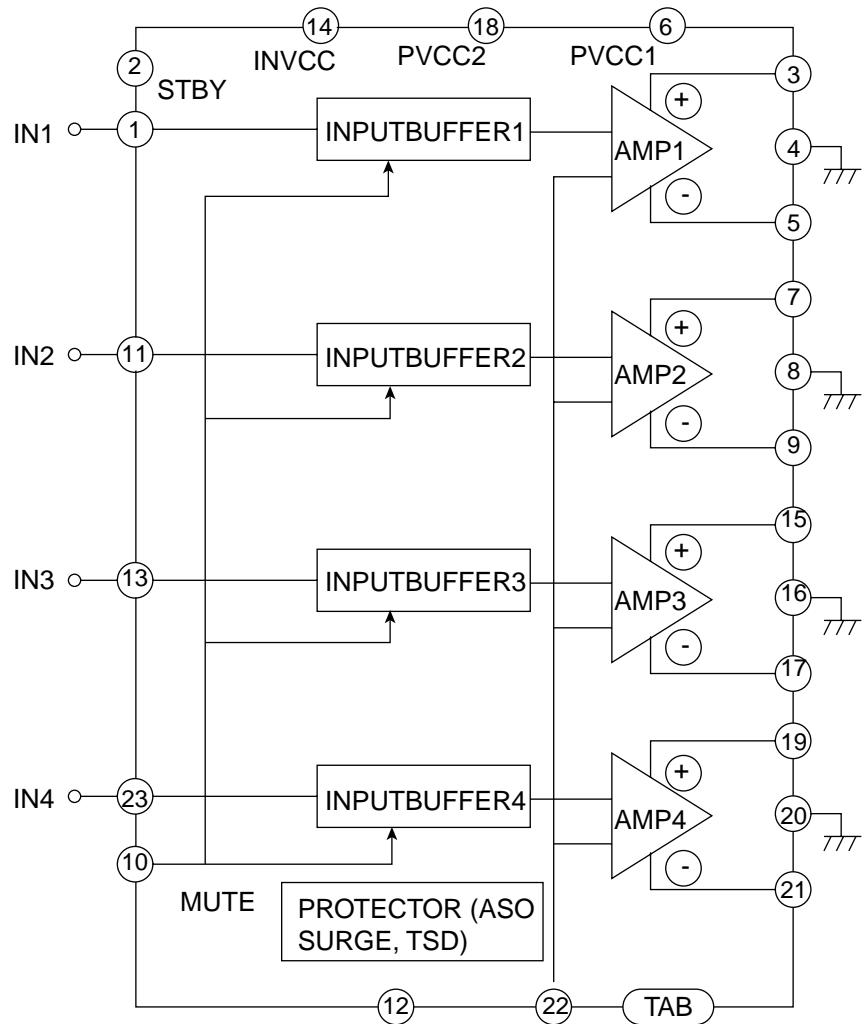
| Pin no. | Symbol | Function |
|---------|--------------|--|
| 1 | RESET | If VDD voltage becomes 4V or less, RESET output becomes low level. |
| 2 | EXT output | This output voltage is approximately 0.5V lower than VCC, and max output current is 300mA. |
| 3 | COMP output | A voltage supply for ACC block. This output voltage is approximately 0.7V lower than VDD'S. The max output current is 100mA. |
| 4 | ACC | Control of the COMP output by inputting voltage. |
| 5 | VDD output | This output voltage is 5.7V, and max output current is 100mA. This voltage supply is for microcomputer. Whenever back up voltage supply is connected, the output keeps on running. |
| 6 | AUDIO output | This output voltage is 9.0V, and max output current is 500mA. This voltage supply for AUDIO. |
| 7 | CD output | This output voltage is 8.0V, and max output current is 1A. This voltage supply for CD. |
| 8 | CTRL | Output selector of CD, AUDIO, ILM and EXT. |
| 9 | VCC | To be connected with the BACK UP of car. |
| 10 | ILM output | This output voltage is 10V, and max output current is 500mA. Output voltage is adjustable. |
| 11 | AJ | Putting a resistance between ILM and AJ or between AJ and GND makes ILM output voltage adjustable. |
| 12 | GND | Ground. |

■ HA13158A (IC301) : Power amp

1. Pin layout

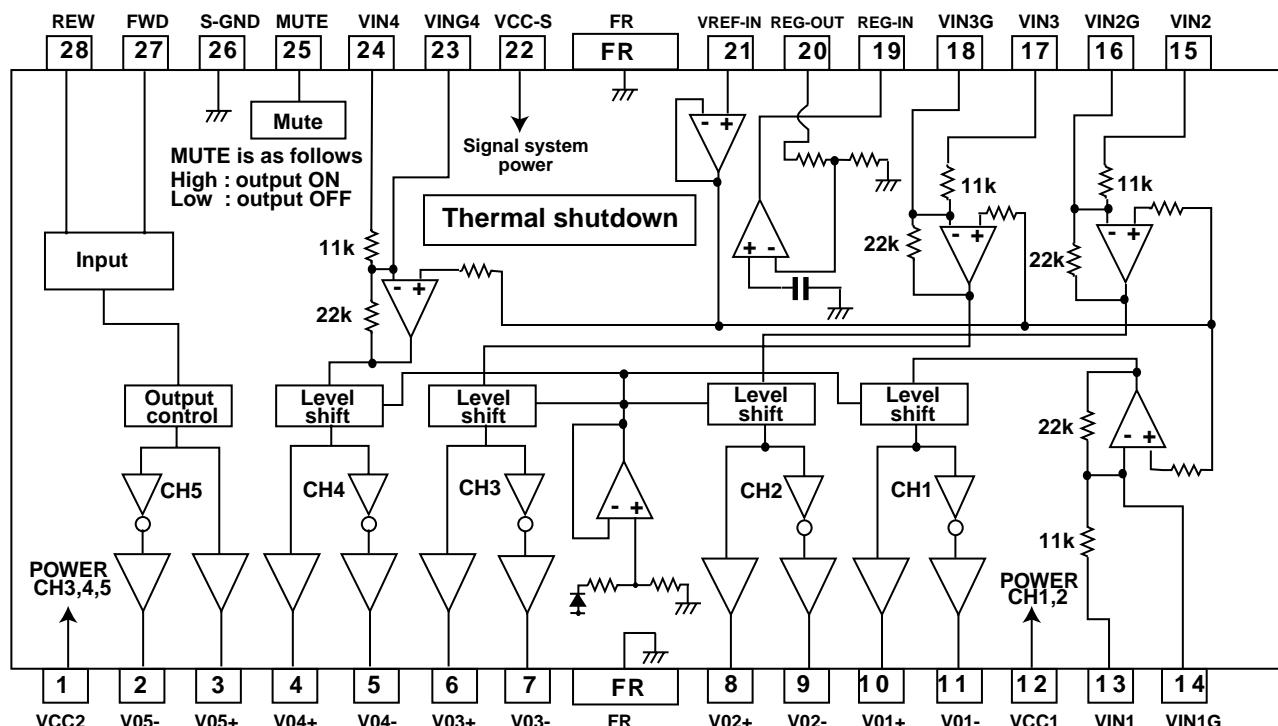


2. Block diagram



■ LA6557-X(IC501) : Servo BTL driver

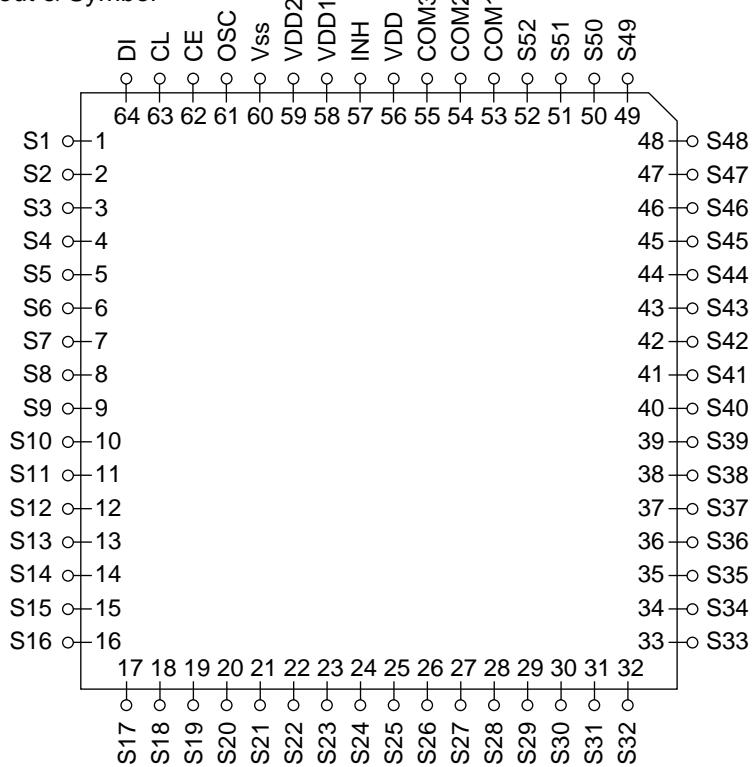
1. Block diagram



| Pin No. | Pin Name | Description |
|---------|----------|--|
| 1 | VCC2 | Power for channels 3,4, and 5 (VCC1 and VCC-S short-circuited) |
| 2 | V05- | Loading output (-) |
| 3 | V05+ | Loading output (+) |
| 4 | V04+ | Output pin (+) for channel 4 |
| 5 | V04- | Output pin (-) for channel 4 |
| 6 | V03+ | Output pin (+) for channel 3 |
| 7 | V03- | Output pin (-) for channel 3 |
| 8 | V02+ | Output pin (+) for channel 2 |
| 9 | V02- | Output pin (-) for channel 2 |
| 10 | V01+ | Output pin (+) for channel 1 |
| 11 | V01- | Output pin (-) for channel 1 |
| 12 | VCC1 | Power for channels 1 and 2 (BTL), (VCC-S and VCC2 short-circuited) |
| 13 | VIN1 | Input pin for channel 1 |
| 14 | VIN1G | Input pin for channel 1 (for gain control) |
| 15 | VIN2 | Input pin for channel 2 |
| 16 | VIN2G | Input pin for channel 2 (for gain control) |
| 17 | VIN3 | Input pin for channel 3 |
| 18 | VIN3G | Input pin for channel 3 (for gain control) |
| 19 | REG-IN | Regulator pin (External PNP base) |
| 20 | REG-OUT | Regulator pin (External PNP collector) |
| 21 | VRFE-IN | Reference voltage input pin |
| 22 | VCC-S | Signal system power (VCC1 and VCC2 short-circuited) |
| 23 | VIN4G | Input pin for channel 4 (for gain control) |
| 24 | VIN4 | Input pin for channel 4 |
| 25 | MUTE | Output ON/OFF, channels 1 to 4 (BTL AMP) |
| 26 | S-GND | Signal system GND |
| 27 | FWD | 5CH(VL0) Output change pin (FWD), Logic input for loading block |
| 28 | REV | 5CH(VL0) Output change pin (REW), Logic input for loading block |

■ LC75823W (IC601) : LCD driver

1. Pin Layout & Symbol

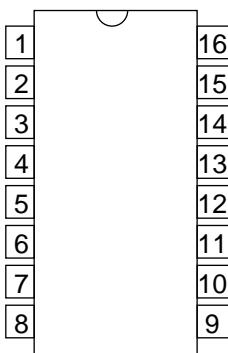


2. Pin Function

| Pin No. | Symbol | I/O | Function |
|----------|-----------------|-----|---|
| 1 to 52 | S1 to S52 | O | Segment output pins used to display data transferred by serial data input. |
| 53 to 55 | COM1 to COM3 | O | Common driver output pins. The frame frequency is given by : $t_0 = (f_{osc}/384)\text{Hz}$. |
| 56 | VDD | -- | Power supply connection. Provide a voltage of between 4.5 and 6.0V. |
| 57 | INH | I | Display turning off input pin. INT="L" (V _{ss}) ----- off (S1 to S52, COM1 to COM3="L") INT="H" (V _{DD})----- on Serial data can be transferred in display off mode. |
| 58 | VDDD1 | I | Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme is used. |
| 59 | VDD2 | I | Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme is used. |
| 60 | V _{ss} | -- | Power supply connection. Connect to GND. |
| 61 | OSC | I/O | Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor at this pin. |
| 62 | CE | I | Serial data interface connection to the controller. CE : Chip enable |
| 63 | CL | I | CL : Sync clock |
| 64 | DI | | DI : Transfer data |

■ SAA6579T-X (IC71) : RDS demodulator

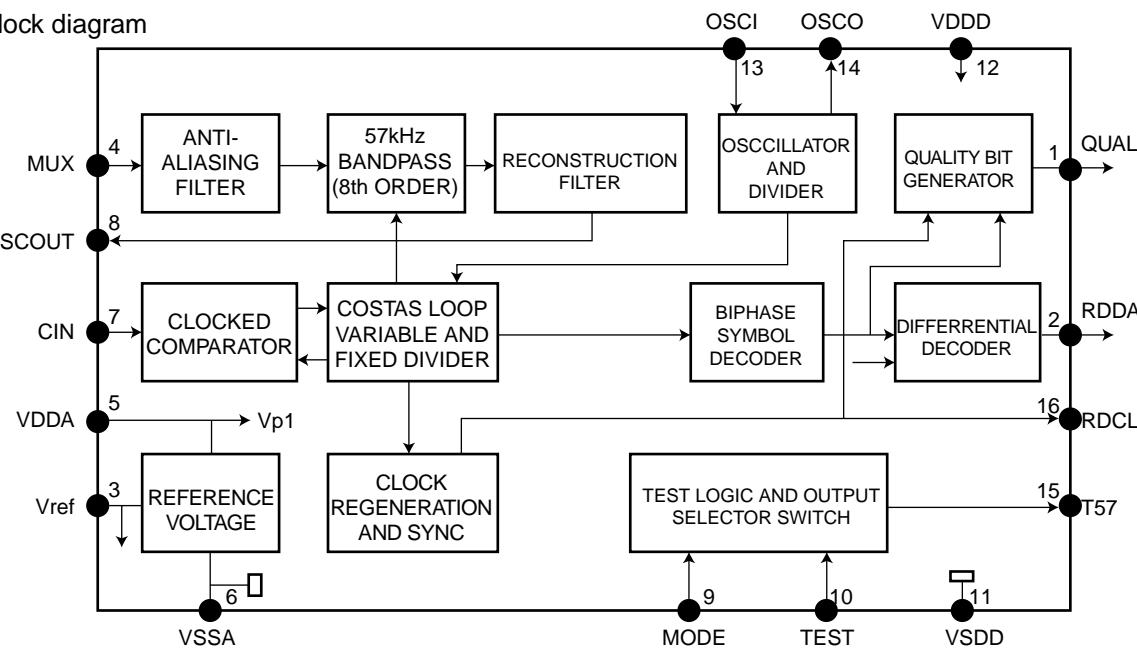
1. Pin layout



2. Pin function

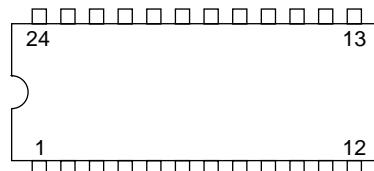
| Pin No. | Symbol | Function |
|---------|--------|--|
| 1 | QUAL | Quality indication output |
| 2 | RDDA | RDS data output |
| 3 | Vref | Reference voltage output (0.5VDDA) |
| 4 | MUX | Multiplex signal input |
| 5 | VDDA | +5V supply voltage for analog part |
| 6 | VSSA | Ground for analog part (0V) |
| 7 | CIN | Subcarrier input to comparator |
| 8 | SCOUT | Subcarrier output of reconstruction filter |
| 9 | MODE | Oscillator mode / test control input |
| 10 | TEST | Test enable input |
| 11 | VSSD | Ground for digital part (0V) |
| 12 | VDDD | +5V supply voltage for digital part |
| 13 | OSCI | Oscillator input |
| 14 | OSCO | Oscillator output |
| 15 | T57 | 57kHz clock signal output |
| 16 | RDCL | RDS clock output |

3. Block diagram

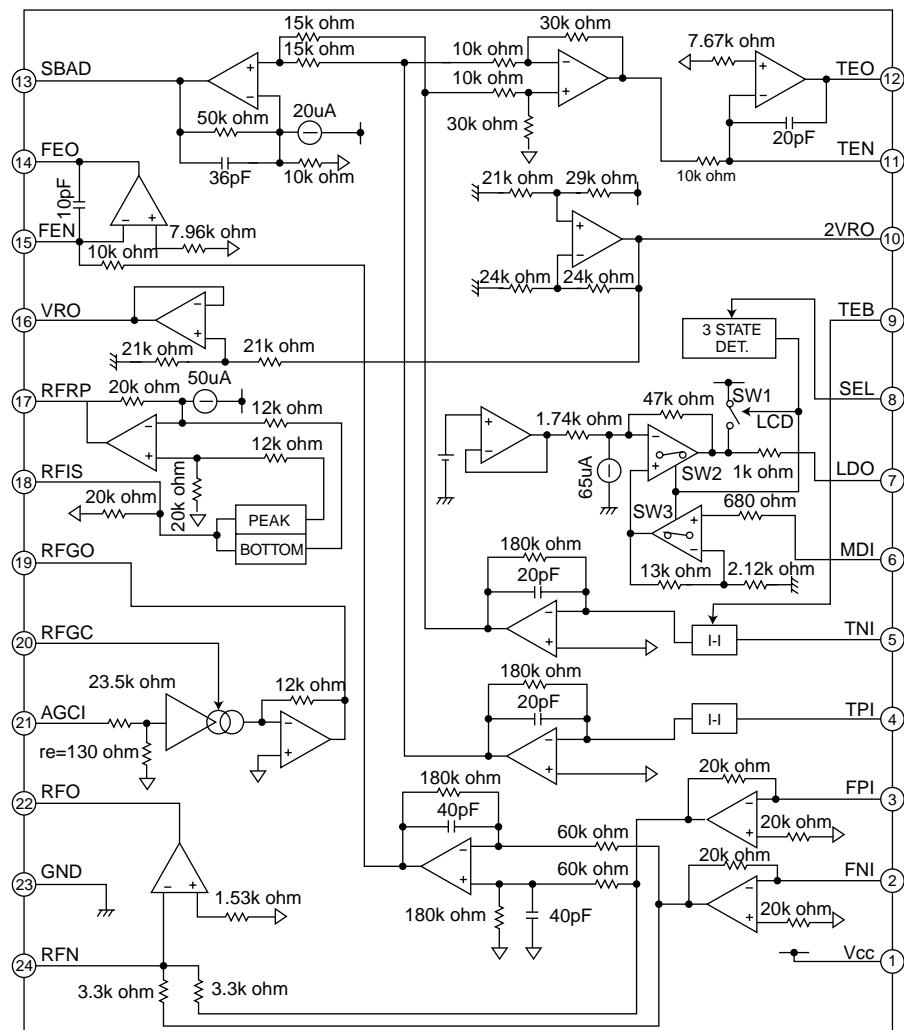


■ TA2109F-X (IC521) : RF amp.

1. Pin layout

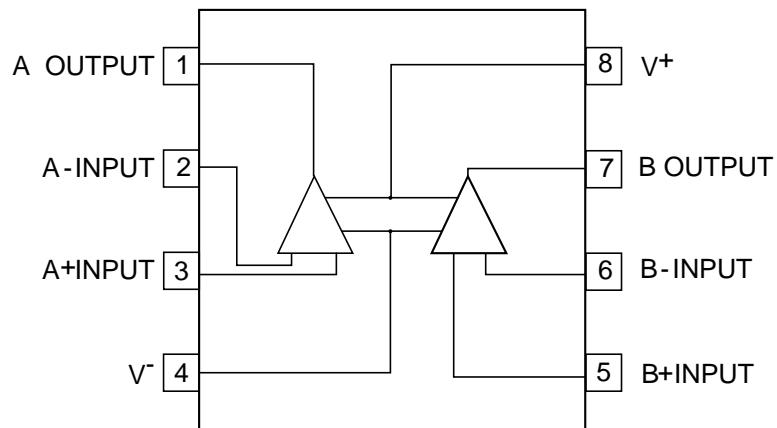


2. Block diagram

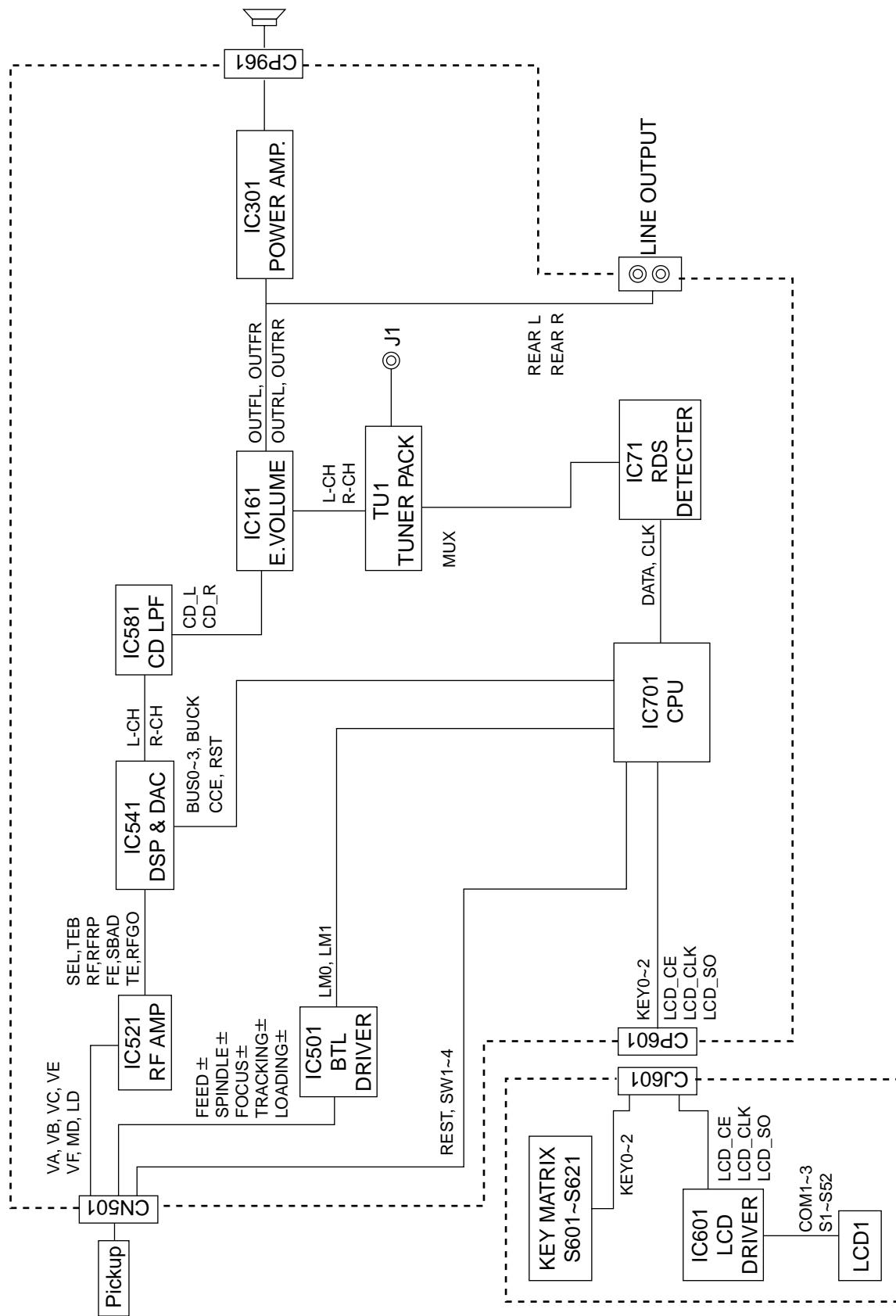


3. Pin function

| Pin No. | Symbol | I/O | Pin function | Pin No. | Symbol | I/O | Pin function |
|---------|--------|-----|---|---------|--------|-----|---|
| 1 | Vcc | - | Power supply input terminal | 13 | SBAD | O | Sub beam adder signal output terminal |
| 2 | FNI | I | Main beam I-V amp input terminal | 14 | FEO | O | Focus error signal output terminal |
| 3 | FPI | I | Main beam I-V amp input terminal | 15 | FEN | I | FE amp negative input terminal |
| 4 | TPI | I | Sub beam I-v input terminal | 16 | VRO | O | Reference voltage (VREF) output terminal |
| 5 | TNI | I | Sub beam I-V input terminal | 17 | RFRP | O | Track count signal output terminal |
| 6 | MDI | I | Monitor photo diode amp input terminal | 18 | RFIS | I | RFRP detect circuit input terminal |
| 7 | LDO | O | Laser diode amp output terminal | 19 | RFGO | O | RF gain signal output terminal |
| 8 | SEL | I | Laser diode control signal input terminal | 20 | RFGC | I | RF amplitude adj. control signal input terminal |
| 9 | TEB | I | T. error balance adj. signal input terminal | 21 | AGCI | I | RF signal amplitude adj. amp input terminal |
| 10 | 2VRO | O | Reference voltage output terminal | 22 | RFO | O | RF signal output terminal |
| 11 | TEN | I | TE amp negative input terminal | 23 | GND | - | Ground terminal |
| 12 | TEO | O | TE error signal output terminal | 24 | RFN | I | RF amp negative input terminal |

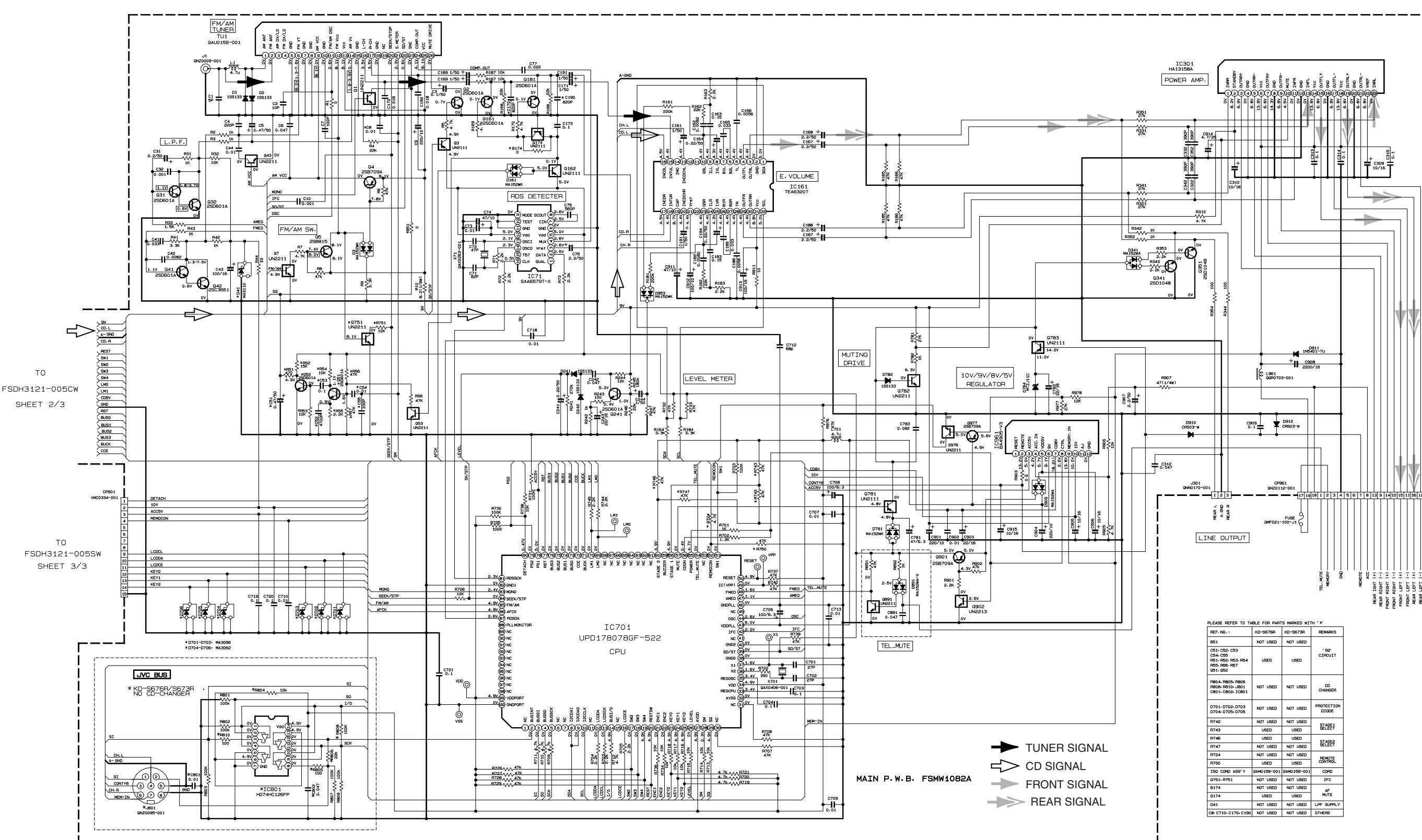
■ NJM4565M-WE (IC581) : Ope. amp

Block diagram

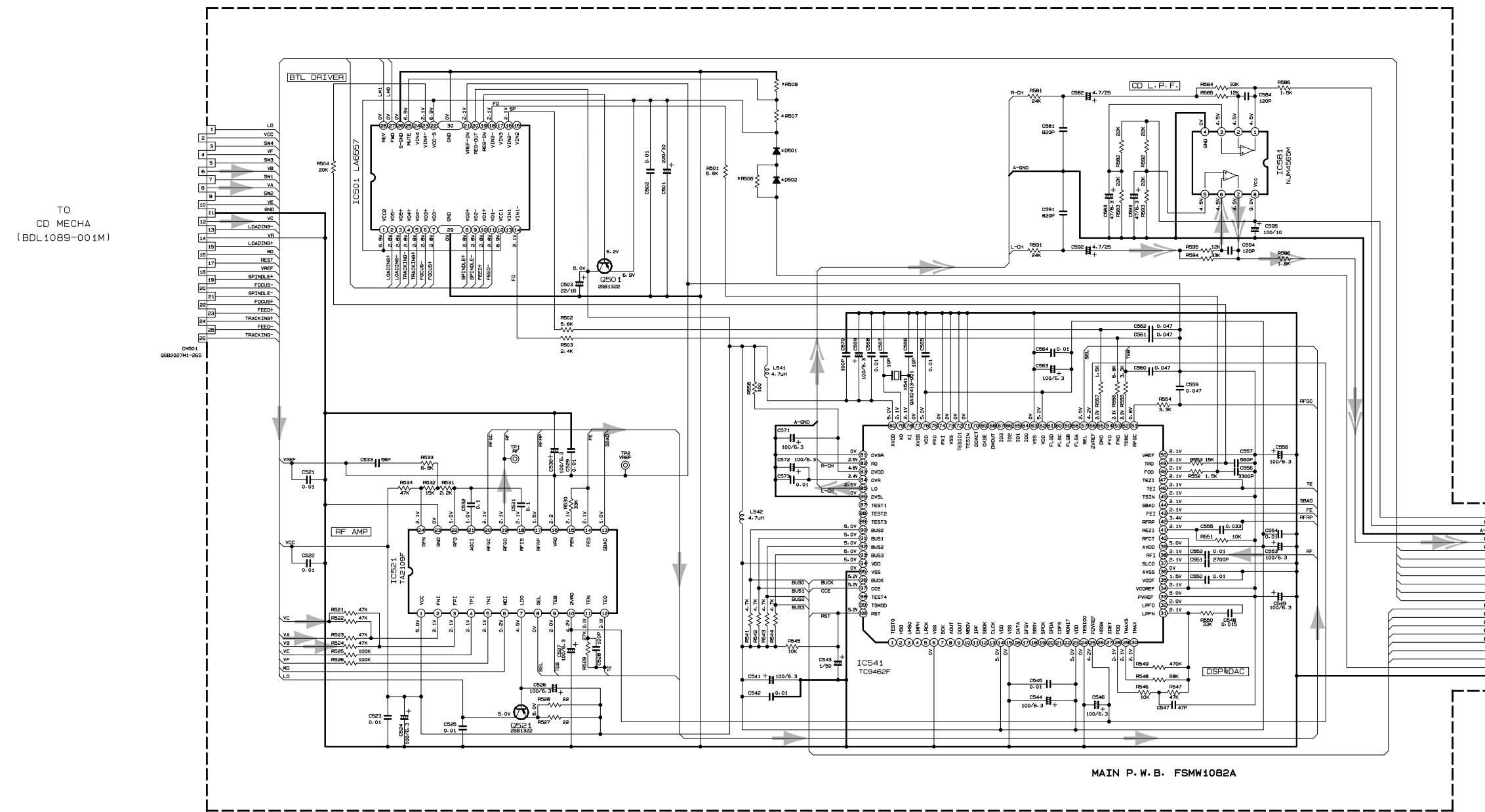


Standard schematic diagrams

■ Main amp. section



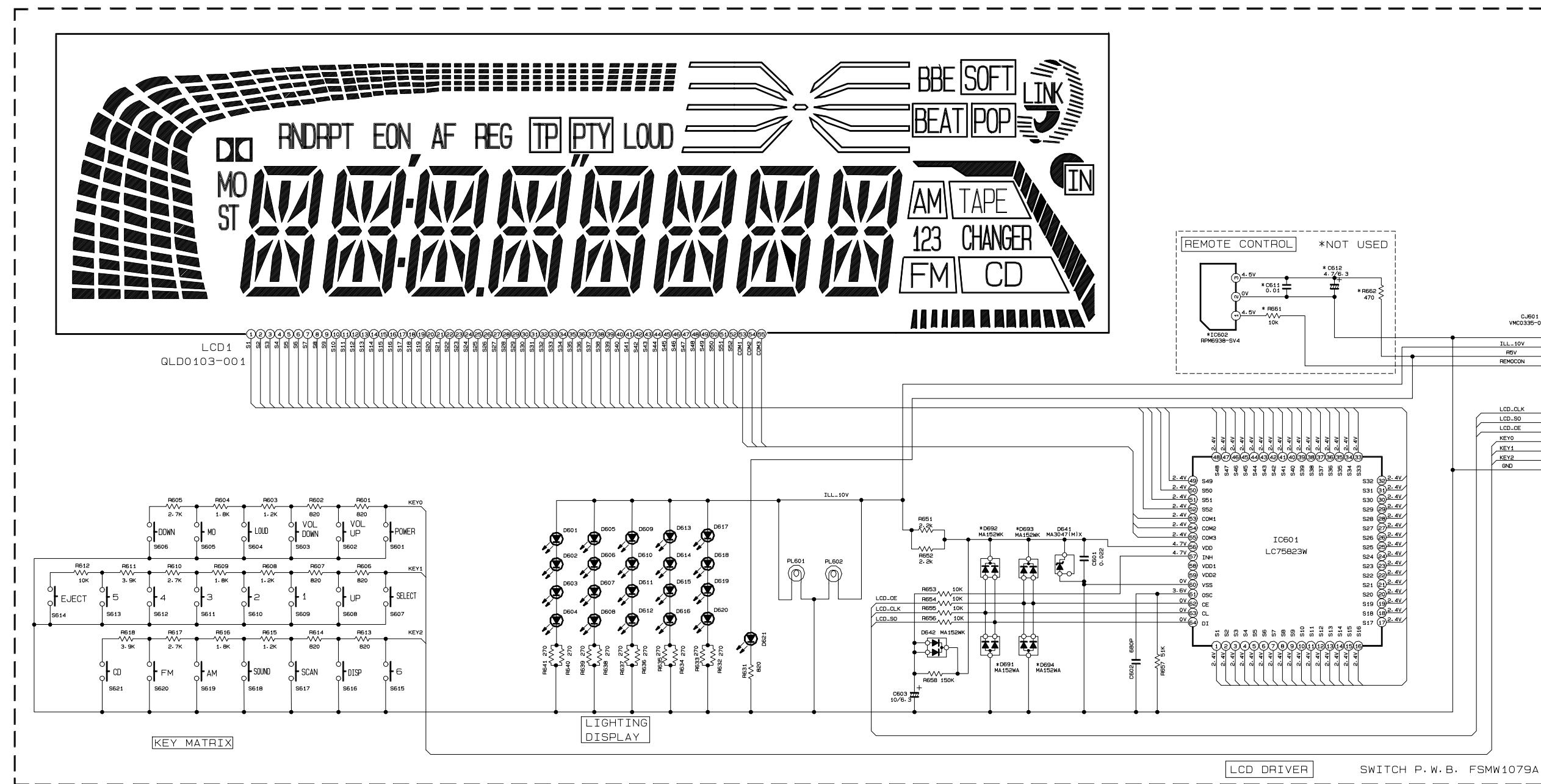
■ CD servo section



| PLEASE REFER TO TABLE FOR PARTS MARKED WITH '*'. | | |
|--|----------|----------|
| REF. NO. * | KD-9676R | KD-9673R |
| D501 | DSK10C | DSK10C |
| D502 | DSK10C | DSK10C |
| R506 | NOT USED | NOT USED |
| R507 | 0 | 0 |
| R508 | NOT USED | NOT USED |

TO
FSDH3121-005TW
SHEET 1/3

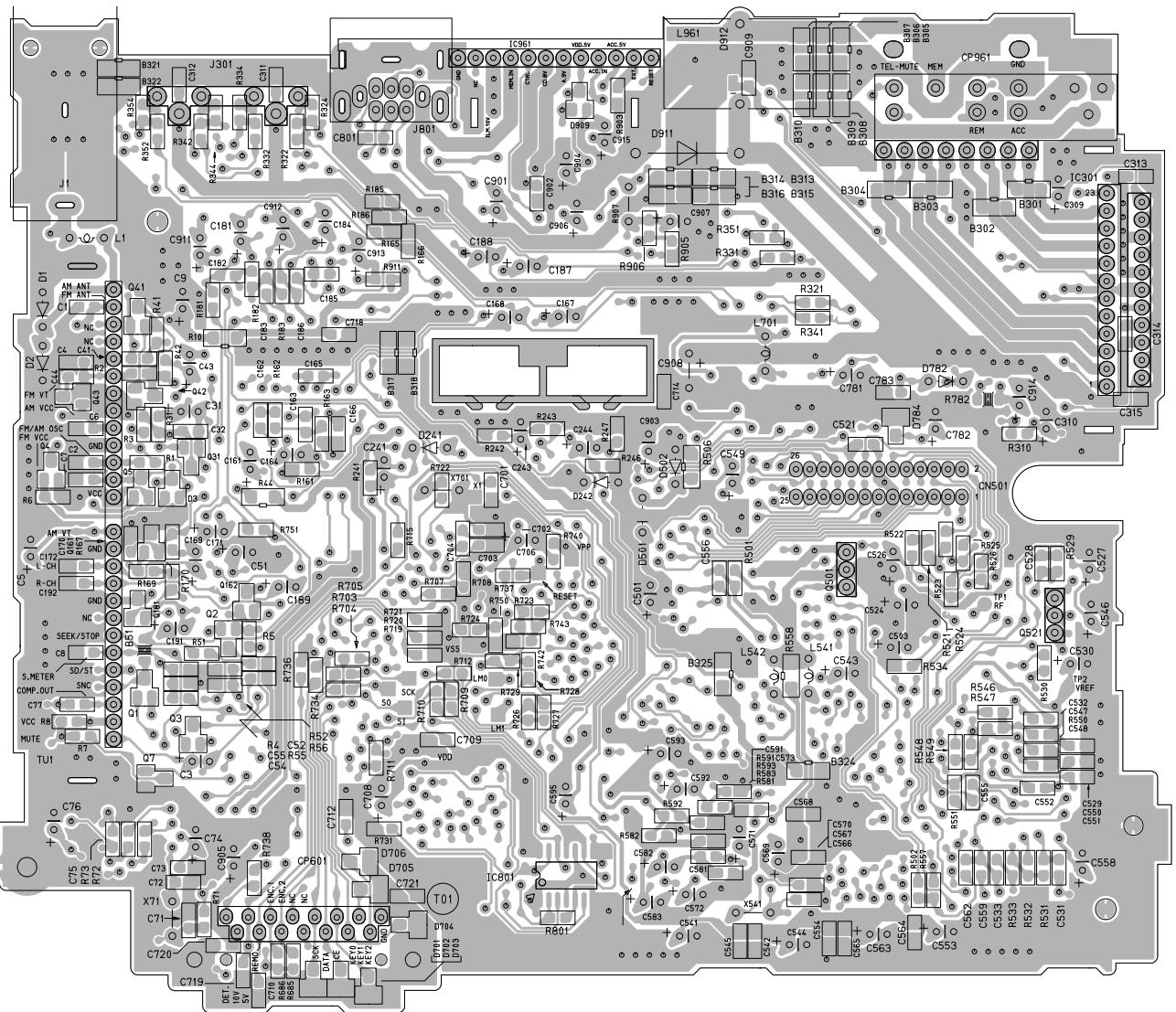
■ LCD & key control section



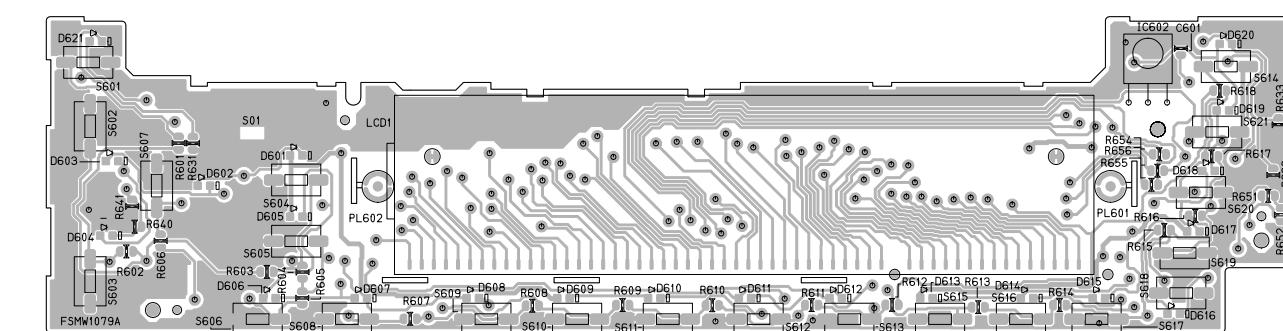
| PLEASE REFER TO TABLE FOR PARTS MARKED WITH * | | | |
|---|-----------------|-----------------|-----------------------|
| REF. NO.: | KD-5676R | KD-5673R | REMARKS |
| D621 | SML-310LT/WV/-X | SML-310LT/WV/-X | POWER LED |
| IC602 R661, R662 C611, C612 | NOT USED | NOT USED | REMOTE CONTROL |
| D601 ~ D620 | LNJ308681/1-3/X | SML-310DT/XL/-X | F. PANEL FLU. LUM. |
| S601 ~ S618 | NSW0124-001 | NSW0124-001 | TACT SWITCH |
| PL601-PL602 | QLL0056-001 | QLL0175-001 | PILOT LAMP |

Printed circuit boards

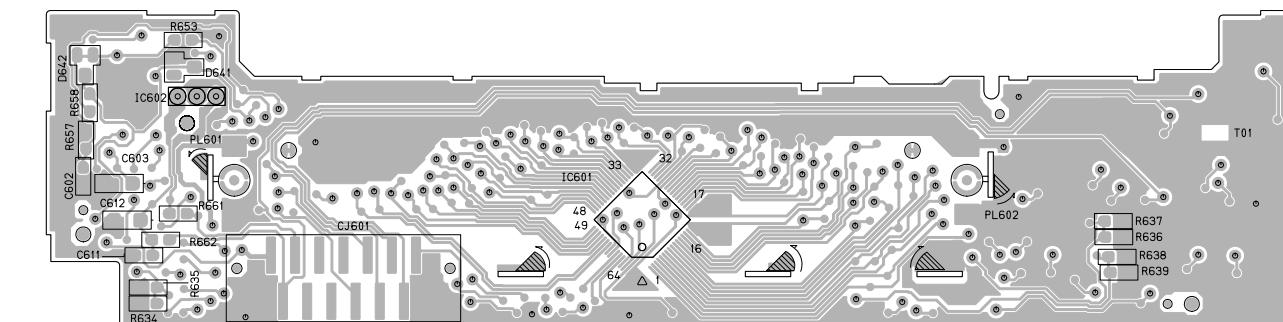
■ Main board



■ Switch board (Forward side)



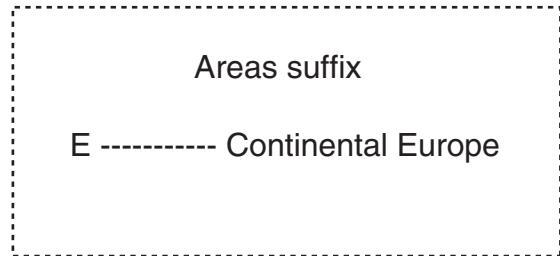
■ Switch board (Reverse side)



PARTS LIST

[KD-S676R]
[KD-S673R]

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

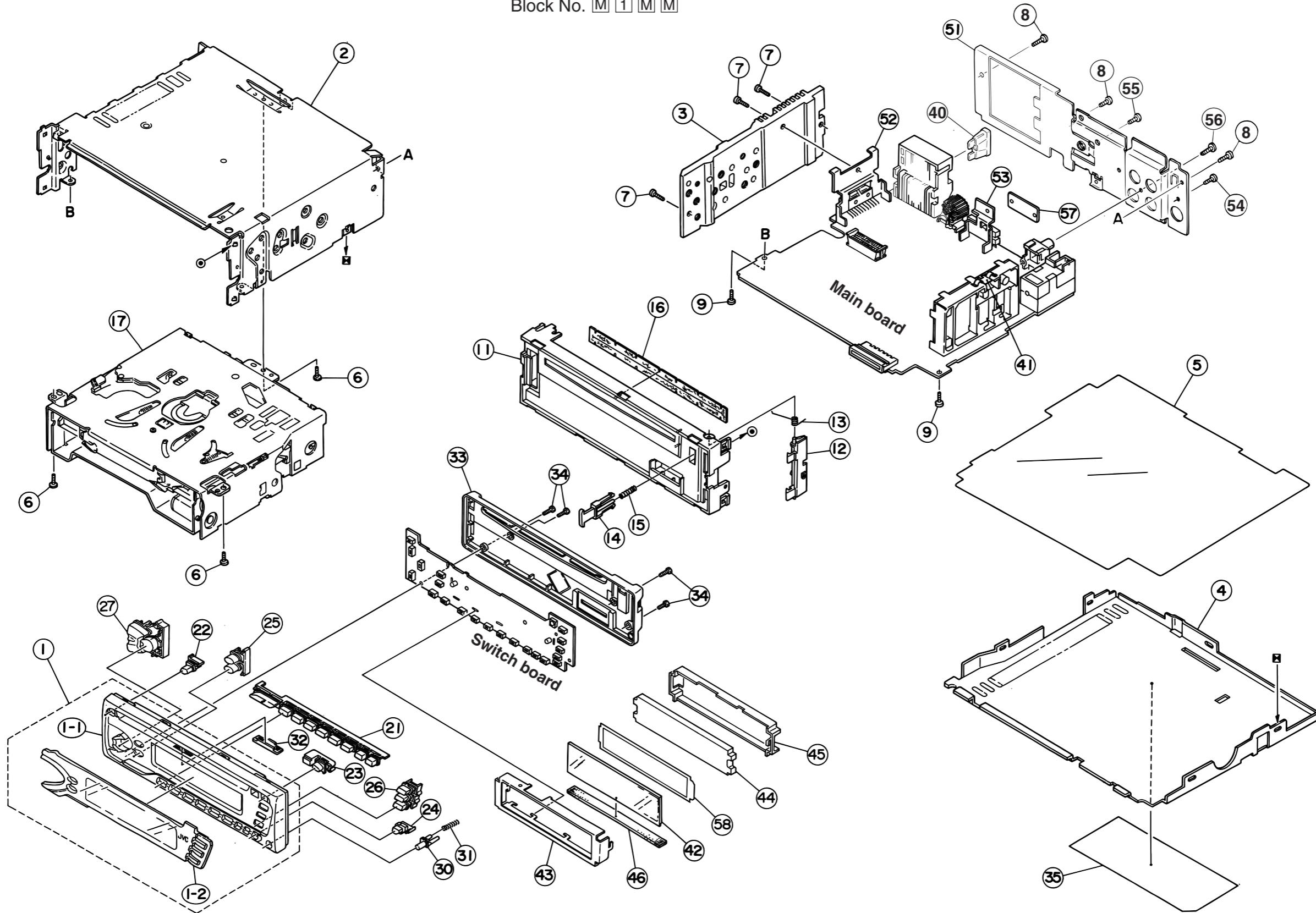


- Contents -

| | |
|--|------|
| Exploded view of general assembly and parts list | 3-2 |
| CD mechanism assembly and parts list | 3-4 |
| Electrical parts list | 3-6 |
| Packing materials and accessories parts list | 3-10 |

Exploded view of general assembly and parts list

Block No. M 1 M M



■ Parts list (General assembly)

Block No. M1MM

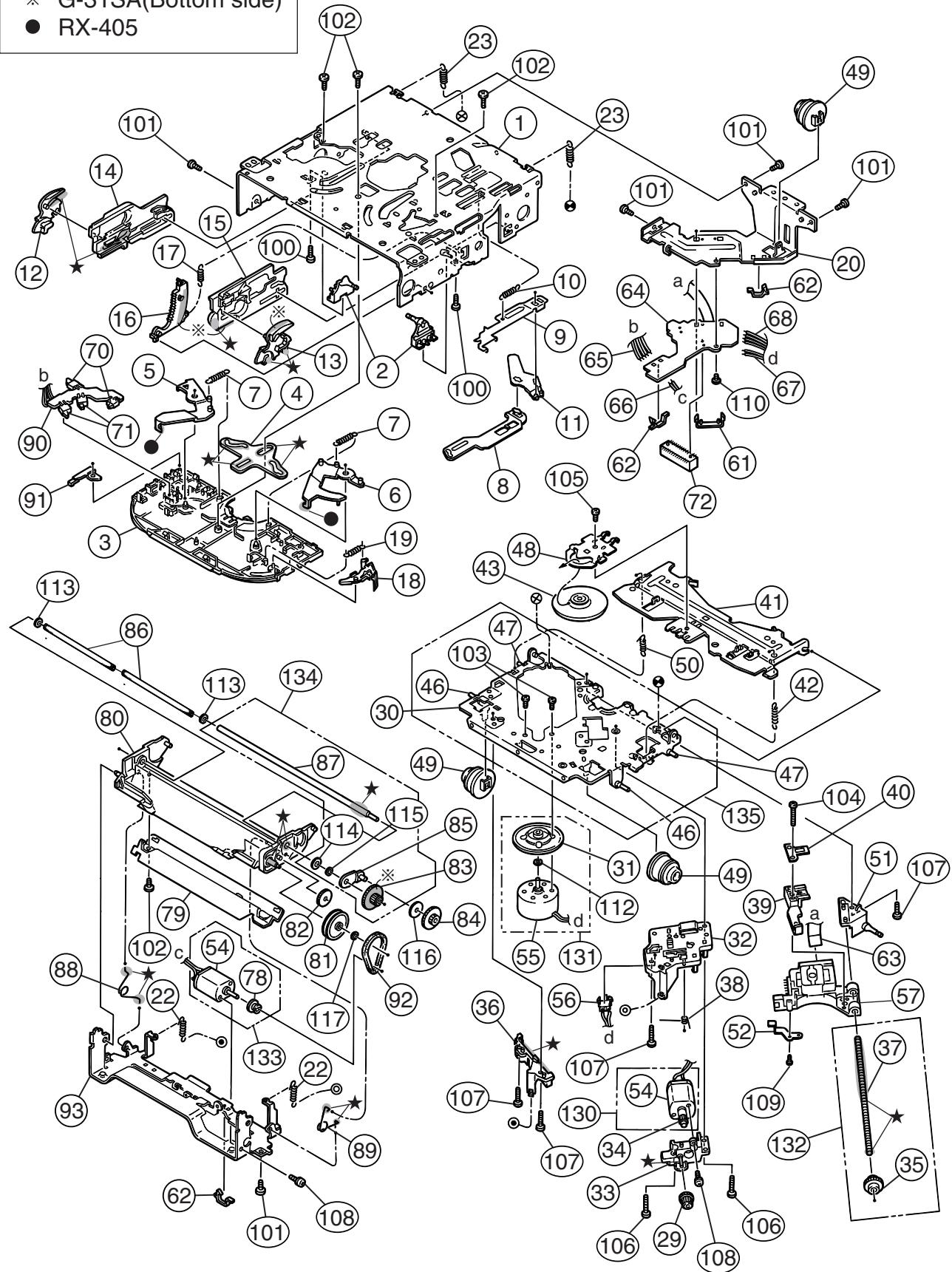
| A | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|----------------|----------------|------|-----------------|------|
| | 1 | ZCKDS673R-NPA | F.PANEL ASS'Y | 1 | KD-S673R | |
| | | ZCKDS676R-NPA | F.PANEL ASS'Y | 1 | KD-S676R | |
| | 1-1 | FSJC1057-002 | FRONT PANEL | 1 | | |
| | 1-2 | FSJD3023-00C | FINDER LENS | 1 | KD-S676R | |
| | | FSJD3023-00D | FINDER LENS | 1 | KD-S673R | |
| | 2 | FSJC1029-024 | TOP CHASSIS | 1 | | |
| | 3 | FSMH3001-202 | SIDE PANEL | 1 | | |
| | 4 | FSKM3011-002 | BOTTOM COVER | 1 | | |
| | 5 | FSMA3004-003 | INSULATOR | 1 | | |
| | 6 | QYSDST2604Z | SCREW | 3 | CHASSIS+MECHA B | |
| | 7 | FSKZ4005-001 | SCREW | 3 | | |
| | 8 | QYSDST2606Z | SCREW | 3 | CHASSIS+REAR BK | |
| | 9 | QYSDST2606Z | SCREW | 2 | CHASSIS+MAIN PW | |
| | 11 | FSJC2013-002 | FRONT CHASSIS | 1 | | |
| | 12 | FSKS3010-001 | LOCK LEVER | 1 | | |
| | 13 | FSKW4005-003 | TORSION SPRING | 1 | FOR LOCK LEVEL | |
| | 14 | FSXP3026-002 | RLS KNOB | 1 | | |
| | 15 | FSKW3002-015 | COMP.SPRING | 1 | | |
| | 16 | FSPK3009-001 | BLIND | 1 | | |
| | 17 | ----- | CD MECHA | 1 | TN-CCD1001Z | |
| | 21 | FSXP2035-052 | PRESET BUTTON | 1 | | |
| | 22 | FSXP3053-002 | POWER BUTTON | 1 | | |
| | 23 | FSXP3054-002 | EJECT BUTTON | 1 | | |
| | 24 | FSXP4005-019 | BBE BUTTON | 1 | | |
| | 25 | FSXP3068-002 | PUSH BUTTON | 1 | | |
| | 26 | FSXP2034-034 | D.FUNC BUTTON | 1 | CD/FM/AM | |
| | 27 | FSXP2044-001 | COMBO BUTTON | 1 | | |
| | 30 | FSXP3055-001 | DETACH BUTTON | 1 | | |
| | 31 | FSKW3002-012 | COMP. SPRING | 1 | FOR DETACH BUTT | |
| | 32 | FSJK3026-001 | CD LENS | 1 | | |
| | 33 | FSJC1043-002 | REAR COVER | 1 | | |
| | 34 | VKZ4777-001 | MINI SCREW | 4 | FRONT+REAR | |
| | 35 | FSYN3121-D005 | NAME PLATE | 1 | KD-S676R | |
| | | FSYN3122-D005 | NAME PLATE | 1 | KD-S673R | |
| A | 40 | QMFZ021-100-J1 | FUSE | 1 | | |
| | 41 | VMA4652-001SS | EARTH PLATE | 1 | | |
| | 42 | QLD0103-001 | LCD MODULE | 1 | | |
| | 43 | FSYH3023-001 | LCD CASE | 1 | | |
| | 44 | FSJK3035-001 | LCD LENS | 1 | | |
| | 45 | FSKS3022-001 | LENS CASE | 1 | | |
| | 46 | QNZ0442-001 | RUBBER CONNE | 1 | | |
| | 51 | FSKM3012-012 | REAR BRACKET | 1 | | |
| | 52 | FSKL4018-00B | IC BRACKET | 1 | | |
| | 53 | FSKL4015-002 | REG BRACKET | 1 | | |
| | 54 | QYSDST2606Z | SCREW | 1 | | |
| | 55 | QYSDST2606Z | SCREW | 1 | | |
| | 56 | QYSDSF3006Z | SCREW | 1 | LINE OUT | |
| | 57 | FSKL4014-001 | HEAT SINK | 1 | | |
| | 58 | FSYH4078-001 | LIGHT SHEET | 1 | | |

CD mechanism assembly and parts list

Grease

- ★ G-31SA
- ※ G-31SA(Bottom side)
- RX-405

Block No. M 2 M M



■ Parts list (CD mechanism)

Block No. M2MM

| A | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|-----------------|------|----------------|------|
| | 1 | 30310101T | FRAME | 1 | | |
| | 2 | 30310103T | DANPER PIN | 2 | | |
| | 3 | 30310107T | UPPER PLATE | 1 | | |
| | 4 | 30310108T | SEL STOP PLATE | 1 | | |
| | 5 | 30310142T | SEL ARM (L)L | 1 | | |
| | 6 | 30310143T | SEL ARM (R)L | 1 | | |
| | 7 | 30310145T | S ARM SPRING(L) | 2 | | |
| | 8 | 30310112T | TRIG LEVER | 1 | | |
| | 9 | 30310155T | TRIG PL(Z) | 1 | | |
| | 10 | 30310115T | TRIG PL SPRING | 1 | | |
| | 11 | 30310116T | TRIG ARM | 1 | | |
| | 12 | 30310134T | FIX ARM (L)B | 1 | | |
| | 13 | 30310159T | FIX ARM (R)Z | 1 | | |
| | 14 | 30310150T | FIX PL (L)Z | 1 | | |
| | 15 | 30310156T | FIX PL (R) Z | 1 | | |
| | 16 | 30310138T | LDG GR (6)B | 1 | | |
| | 17 | 30310122T | LDG GEAR (6)SP | 1 | | |
| | 18 | 30310148T | S.L ARM(N) | 1 | | |
| | 19 | 30310125T | S.L ARM SPRING | 1 | | |
| | 20 | 30310149T | REAR DAM BKT(Z) | 1 | | |
| | 22 | 30310151T | HUNG UP SP (FZ) | 2 | | |
| | 23 | 30310129T | HUNG UP SP (R) | 2 | | |
| | 29 | 30300510T | PU GEAR(B) | 1 | | |
| | 30 | ----- | T.T.BASE(Z) | 1 | | |
| | 31 | ----- | TURN TABLE(Z) | 1 | | |
| | 32 | 30310544T | F.M.BASE(Z) | 1 | | |
| | 33 | 30310547T | FD GR BLK(Z) | 1 | | |
| | 34 | ----- | FD GR AZ | 1 | | |
| | 35 | ----- | FD GR CZ | 1 | | |
| | 36 | 30310546T | PU GUIDE(Z) | 1 | | |
| | 37 | ----- | FD SCREW(Z) | 1 | | |
| | 38 | 30310533T | THRUST SPR(M) | 1 | | |
| | 39 | 30310548T | PU M NUT(Z) | 1 | | |
| | 40 | 30310512T | NUT PUSH SPR PL | 1 | | |
| | 41 | 30310558T | CLP ARM(Z) | 1 | | |
| | 42 | 30310514T | CLP ARM SPRING | 1 | | |
| | 43 | 30310552T | CLAMPER(Z) | 1 | | |
| | 46 | ----- | LOCK PIN(FZ) | 2 | | |
| | 47 | ----- | LOCK PIN(RZ) | 2 | | |
| | 48 | 30310557T | CLAMPER PLATE(Z | 1 | | |
| | 49 | 30310524T | DAMPER (J) | 3 | | |
| | 50 | 30310525T | CLP ARM SPR (L) | 1 | | |
| | 51 | 30310545T | F SCREW GUIDE(Z | 1 | | |
| | 52 | 30310556T | PU G.SP PLT(Z) | 1 | | |
| | 54 | ----- | FEED MOTOR | 2 | FF030PK-09210 | |
| | 55 | ----- | SPINDLE MOTOR | 1 | RF300CA-11440D | |
| | 56 | 64180405T | DET SW | 1 | ESE11SF4 | |
| | 57 | OPTIMA-720L1 | C.D PICK (CAR) | 1 | | |

■ Parts list (CD mechanism)

Block No. M2MM

| A | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|------------------|------|--------------|------|
| | 61 | 30311035T | FPC HOLDER(Z) | 1 | | |
| | 62 | 19501403T | WIRE CLAMPER | 3 | | |
| | 63 | 30311037T | PICK UP FPC(Z) | 1 | | |
| | 64 | 30311036T | CONNECT.PCB(Z-J) | 1 | | |
| | 65 | 30311038T | WIRE (5P-Z) | 1 | | |
| | 66 | 30311039T | WIRE (LD-Z) | 1 | | |
| | 67 | 30311040T | WIRE (FD-Z) | 1 | | |
| | 68 | 30311041T | WIRE (RS-Z) | 1 | | |
| | 70 | 64180402T | DET SWITCH | 2 | ESE22MH1 | |
| | 71 | 64180403T | DET SWITCH | 2 | ESE22MH3 | |
| | 72 | 68150232T | CONNECTOR | 1 | TKC-W26X-C1 | |
| | 78 | ----- | LDG PULLEY | 1 | | |
| | 79 | 30311105T | SUPPORT PLATE | 1 | | |
| | 80 | 30311138T | GR MT BLK(N) | 1 | | |
| | 81 | 30311109T | LDG GEAR (2) | 1 | | |
| | 82 | 30311110T | LDG GEAR (3) | 1 | | |
| | 83 | ----- | LDG GEAR (4) | 1 | | |
| | 84 | 30311112T | LDG GEAR (5) | 1 | | |
| | 85 | ----- | LDG GR ARM | 1 | | |
| | 86 | 30311136T | LDG ROLLER | 2 | | |
| | 87 | ----- | LDG RLR SHAFT | 1 | | |
| | 88 | 30311118T | L.P SPRING (L) | 1 | | |
| | 89 | 30311119T | L.P SPRING (R) | 1 | | |
| | 90 | 30311123T | SW PCB | 1 | | |
| | 91 | 30311124T | SW ACTUATOR | 1 | | |
| | 92 | 30311129T | LDG BELT | 1 | | |
| | 93 | 30311140T | FRONT BRKT (J) | 1 | | |
| | 100 | 9C0620503T | C B TAP SCREW | 2 | M2X5 | |
| | 101 | 9C2020401T | C SCREW TS.G | 5 | M2X4 | |
| | 102 | 9C4320403T | C B TAP SCREW | 4 | M2X4 | |
| | 103 | 9C0117223T | SCREW | 2 | M1.7X2.2 | |
| | 104 | 9C4217703T | C TAP SCREW S3 | 1 | M1.7X7 | |
| | 105 | 9C0320201T | C TAP SCREW S3 | 1 | M2X2 | |
| | 106 | 9C4920013T | C TAP SCREW S3 | 2 | M2X10 | |
| | 107 | 9C4920603T | C TAP SCREW B3 | 4 | M2X6 | |
| | 108 | 9P0220031T | TAMS SCREW | 2 | M2X3 | |
| | 109 | 9C0314203T | C TAP SCREW | 1 | M1.4X2 | |
| | 110 | 9C0420253 | C TAP SCREW | 1 | M2X2.5 | |
| | 112 | ----- | POLY WASHER | 1 | 2.1X3.5X0.3 | |
| | 113 | 9W0330276 | NW BLUE | 2 | 2.9X5X0.3 | |
| | 114 | ----- | WAVE WASHER | 1 | | |
| | 115 | ----- | LUMILAR WASHER | 1 | 2.5X6X0.1 | |
| | 116 | 9W0725030T | LUMILAR WASHER | 1 | 2.3X9.8X0.25 | |
| | 117 | 9W0640030T | WASHER | 1 | 1.4X3.2X0.4 | |
| | 130 | 303105310T | FEED MO ASSY | 1 | NO.34 54 | |
| | 131 | 303105311T | SPINDLE MO ASSY | 1 | NO.31 55 112 | |
| | 132 | 303105312T | FEED SCREW ASSY | 1 | NO.35 37 | |
| | 133 | 303111301T | LDG MOTOR ASSY | 1 | NO.54 78 | |
| | 134 | 303111302T | ROLLER SHAFT | 1 | NO.83 85 87 | |
| | | 303111302T | ROLLER SHAFT | 1 | NO.114 115 | |
| | 135 | 303105502T | T.T.BASE ASSY | 1 | NO.30 46 47 | |

Electrical parts list (Main board)
Block No. 01

| ▲ | Item | Parts number | Parts name | Remarks | Area | ▲ | Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|--------------|----------------|---------|------|-------|---------------|---------------|----------------|---------|------|
| C 1 | NDC21HJ-5R0X | C CAPACITOR | | | | C 541 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 2 | NDC21HJ-100X | C CAPACITOR | | | | C 542 | NCB21HK-103X | C CAPACITOR | | | |
| C 3 | QERF1HM-104Z | E CAPACITOR | .10MF 20% 50V | | | C 543 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | | |
| C 4 | NCS21HJ-221X | C CAPACITOR | | | | C 544 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 5 | QEK41HM-474 | E CAPACITOR | .47MF 20% 50V | | | C 545 | NCB21HK-103X | C CAPACITOR | | | |
| C 6 | NCB21EK-473X | C CAPACITOR | | | | C 546 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 7 | NCS21HJ-101X | C CAPACITOR | | | | C 547 | NDC21HJ-470X | C CAPACITOR | | | |
| C 9 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | | | C 548 | NCB21HK-153X | C CAPACITOR | | | |
| C 31 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | | | C 549 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 32 | NCB21HK-102X | C CAPACITOR | | | | C 550 | NCB21HK-103X | C CAPACITOR | | | |
| C 41 | NCB21HK-333X | C CAPACITOR | | | | C 551 | NCB21HK-272X | C CAPACITOR | | | |
| C 42 | NCB21HK-822X | C CAPACITOR | | | | C 552 | NCB21HK-103X | C CAPACITOR | | | |
| C 43 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | | | C 553 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 44 | NCB21HK-103X | C CAPACITOR | | | | C 554 | NCB21HK-103X | C CAPACITOR | | | |
| C 55 | NCB21HK-331X | C CAPACITOR | | | | C 555 | NCB21EK-333X | C CAPACITOR | | | |
| C 71 | NDC21HJ-820X | C CAPACITOR | | | | C 556 | NCB21HK-332X | C CAPACITOR | | | |
| C 72 | NDC21HJ-470X | C CAPACITOR | | | | C 582 | QEK41EM-475 | E CAPACITOR | 4.7MF 20% 25V | | |
| C 73 | NCB21HK-103X | C CAPACITOR | | | | C 583 | QEKJ0JM-476Z | E CAPACITOR | 47MF 20% 6.3V | | |
| C 74 | QERF1AM-476Z | E CAPACITOR | 47MF 20% 10V | | | C 584 | NCS21HJ-121X | C CAPACITOR | | | |
| C 75 | NCS21HJ-561X | C CAPACITOR | | | | C 594 | NCS21HJ-121X | C CAPACITOR | | | |
| C 76 | QEKJ1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | | | C 595 | QEKJ1AM-107Z | E CAPACITOR | 100MF 20% 10V | | |
| C 77 | NCB21EK-223X | C CAPACITOR | | | | C 701 | NDC21HJ-270X | C CAPACITOR | | | |
| C 161 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | | | C 702 | NDC21HJ-270X | C CAPACITOR | | | |
| C 162 | NCB21HK-822X | C CAPACITOR | | | | C 703 | NCB21EK-104X | C CAPACITOR | | | |
| C 163 | NCB21EK-154X | C CAPACITOR | | | | C 704 | NCB21EK-104X | C CAPACITOR | | | |
| C 164 | QEKJ1HM-224Z | E CAPACITOR | .22MF 20% 50V | | | C 706 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 165 | NCB21HK-333X | C CAPACITOR | | | | C 707 | NCB21HK-103X | C CAPACITOR | | | |
| C 166 | NCB21HK-562X | C CAPACITOR | | | | C 708 | QERF0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 167 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | | | C 709 | NCB21HK-103X | C CAPACITOR | | | |
| C 168 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | | | C 712 | NDC21HJ-680X | C CAPACITOR | | | |
| C 169 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | | | C 718 | NCB21HK-103X | C CAPACITOR | | | |
| C 170 | NCB21HK-821X | C CAPACITOR | | | | C 719 | NCB21EK-104X | C CAPACITOR | | | |
| C 171 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | | | C 720 | NCB21EK-104X | C CAPACITOR | | | |
| C 172 | NCB21HK-153X | C CAPACITOR | | | | C 721 | NCB21EK-104X | C CAPACITOR | | | |
| C 173 | NCB21EK-104X | C CAPACITOR | | | | C 781 | QERF0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | |
| C 192 | NCB21HK-153X | C CAPACITOR | | | | C 782 | QERF1CM-226Z | E CAPACITOR | 22MF 20% 16V | | |
| C 241 | QEKJ1HM-224Z | E CAPACITOR | .22MF 20% 50V | | | C 783 | NCB21EK-823X | C CAPACITOR | | | |
| C 242 | NCB21EK-473X | C CAPACITOR | | | | C 891 | NCB21EK-473X | C CAPACITOR | | | |
| C 243 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | | | C 901 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | | |
| C 244 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | | | C 902 | NCB21HK-103X | C CAPACITOR | | | |
| C 309 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | | | C 903 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | | |
| C 310 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | | | C 904 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | | |
| C 313 | NCB21EK-104X | C CAPACITOR | | | | C 905 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | | |
| C 314 | NCB21EK-104X | C CAPACITOR | | | | C 906 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | | |
| C 315 | NCB21EK-104X | C CAPACITOR | | | | C 907 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | | |
| C 322 | NCS21HJ-391X | C CAPACITOR | | | | C 908 | QEZ0338-228 | E CAPACITOR | 2200MF | | |
| C 332 | NCS21HJ-391X | C CAPACITOR | | | | C 909 | NCB21EK-104X | C CAPACITOR | | | |
| C 501 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | | | C 911 | QERF1AM-476Z | E CAPACITOR | 47MF 20% 10V | | |
| C 502 | NCB21HK-103X | C CAPACITOR | | | | C 912 | QER41AM-107 | E CAPACITOR | 100MF 20% 10V | | |
| C 503 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | | | C 913 | QEKJ1CM-107Z | E CAPACITOR | 100MF 20% 16V | | |
| C 521 | NCB21HK-103X | C CAPACITOR | | | | C 914 | QERF1EM-475Z | E CAPACITOR | 4.7MF 20% 25V | | |
| C 522 | NCB21HK-103X | C CAPACITOR | | | | C 915 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | | |
| C 523 | NCB21EK-103X | C CAPACITOR | | | | CN501 | QGB2027M1-26S | CONNECTOR | | | |
| C 524 | QER41AM-107 | E CAPACITOR | 100MF 20% 10V | | | CP601 | VMC0334-001 | CONNECTOR | F.PANEL CONN. | | |
| C 525 | NCB21HK-103X | C CAPACITOR | | | | CP961 | QNZ0112-001 | CAR CONNECTOR | | | |
| C 526 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | | D 1 | 1SS133-T1 | SI DIODE I/M | | | |
| C 527 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | | D 2 | 1SS133-T1 | SI DIODE I/M | | | |
| C 528 | NCS21HJ-101X | C CAPACITOR | | | | D 3 | MA152WK-X | SI DIODE | | | |
| C 529 | NCB21HK-103X | C CAPACITOR | | | | D 41 | MA3100/L-X | ZENER DIODE | | | |
| C 530 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | | | D 161 | MA152WK-X | SI DIODE | | | |
| C 531 | NCB21EK-104X | C CAPACITOR | | | | D 241 | 1SS133-T1 | SI DIODE I/M | | | |
| C 532 | NCB21EK-104X | C CAPACITOR | | | | D 242 | 1SS133-T1 | SI DIODE I/M | | | |
| C 533 | NCS21HJ-560X | C CAPACITOR | | | | D 341 | MA152WA-X | DIODE | | | |

■ Electrical parts list (Main board)

Block No. 01

| ▲ | Item | Parts number | Parts name | Remarks | Area |
|-------|---------------|-----------------|-----------------|---------|------|
| | D 501 | DSK10C-T1 | DIODE | | |
| | D 502 | DSK10C-T1 | DIODE | | |
| | D 781 | MA152WK-X | SI DIODE | | |
| | D 782 | 1SS133-T1 | SI DIODE I/M | | |
| | D 784 | MA3110/M/-X | ZENER DIODE | | |
| | D 891 | MA152WA-X | DIODE | | |
| | D 909 | MA152WA-X | DIODE | | |
| | D 910 | CRS03-W | SB DIODE | | |
| | D 911 | 1N5401-TU-15 | DIODE | | |
| | D 912 | CRS03-W | SB DIODE | | |
| | D 953 | MA152WK-X | SI DIODE | | |
| | IC 71 | SAA6579T-X | IC | | |
| | IC161 | TEA6320T-X | IC | | |
| | IC301 | HA13158A | IC | | |
| | IC501 | LA6557-X | IC | | |
| | IC521 | TA2109F-X | IC | | |
| | IC541 | TC9462F | IC | | |
| | IC581 | NJM4565M-WE | IC | | |
| | IC701 | UPD178078GF-522 | I.C(MICRO-COMP) | | |
| | IC961 | BA4905-V3 | IC | | |
| J 1 | QNZ0009-001 | CAR ANT JACK | | | |
| J 301 | QNN0170-001 | PIN JACK (REEL) | | | |
| L 1 | QQL244J-4R7Z | INDUCTOR | | | |
| L 541 | QQL244J-4R7Z | INDUCTOR | | | |
| L 542 | QQL244J-4R7Z | INDUCTOR | | | |
| L 701 | QQL244J-4R7Z | INDUCTOR | | | |
| L 961 | QQR0703-001 | CHOKE COIL | | | |
| Q 1 | UN2211-X | TRANSISTOR | | | |
| Q 2 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 3 | UN2111-X | TRANSISTOR | | | |
| Q 4 | 2SB709A/R/-X | TRANSISTOR | | | |
| Q 5 | 2SB815/7-X | TRANSISTOR | | | |
| Q 7 | UN2211-X | TRANSISTOR | | | |
| Q 31 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 32 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 41 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 42 | 2SC3661-X | TRANSISTOR | | | |
| Q 43 | UN2211-X | TRANSISTOR | | | |
| Q 161 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 162 | UN2111-X | TRANSISTOR | | | |
| Q 174 | UN2111-X | TRANSISTOR | | | |
| Q 241 | 2SD601A/R/-X | TRANSISTOR | | | |
| Q 501 | 2SB1322/RS/-T | TRANSISTOR | | | |
| Q 521 | 2SB1322/RS/-T | TRANSISTOR | | | |
| Q 781 | UN2111-X | TRANSISTOR | | | |
| Q 782 | UN2211-X | TRANSISTOR | | | |
| Q 783 | UN2111-X | TRANSISTOR | | | |
| Q 891 | UN2211-X | TRANSISTOR | | | |
| Q 901 | 2SB709A/R/-X | TRANSISTOR | | | |
| Q 902 | UN2213-X | TRANSISTOR | | | |
| R 1 | NRSA02J-0R0X | MG RESISTOR | | | |
| R 2 | NRSA02J-102X | MG RESISTOR | | | |
| R 3 | NRSA02J-102X | MG RESISTOR | | | |
| R 4 | NRSA02J-223X | MG RESISTOR | | | |
| R 5 | NRSA02J-472X | MG RESISTOR | | | |
| R 6 | NRSA02J-473X | MG RESISTOR | | | |
| R 7 | NRSA02J-472X | MG RESISTOR | | | |
| R 8 | NRSA02J-473X | MG RESISTOR | | | |
| R 9 | NRSA02J-332X | MG RESISTOR | | | |
| R 31 | NRSA02J-102X | MG RESISTOR | | | |
| R 32 | NRSA02J-103X | MG RESISTOR | | | |
| R 33 | NRSA02J-152X | MG RESISTOR | | | |
| R 41 | NRSA02J-332X | MG RESISTOR | | | |

| ▲ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|--------------|-------------|---------|---------------|
| | R 42 | NRSA02J-102X | MG RESISTOR | | |
| | R 43 | NRSA02J-102X | MG RESISTOR | | |
| | R 44 | NRS181J-471X | MG RESISTOR | | |
| | R 71 | NRSA02J-222X | MG RESISTOR | | |
| | R 72 | NRSA02J-222X | MG RESISTOR | | |
| | R 73 | NRSA02J-222X | MG RESISTOR | | |
| | R 162 | NRSA02J-223X | MG RESISTOR | | |
| | R 163 | NRSA02J-222X | MG RESISTOR | | |
| | R 164 | NRSA02J-332X | MG RESISTOR | | |
| | R 165 | NRSA02J-473X | MG RESISTOR | | |
| | R 166 | NRSA02J-473X | MG RESISTOR | | |
| | R 168 | NRSA02J-223X | MG RESISTOR | | |
| | R 169 | NRSA02J-472X | MG RESISTOR | | |
| | R 170 | NRSA02J-472X | MG RESISTOR | | |
| | R 184 | NRSA02J-332X | MG RESISTOR | | |
| | R 241 | NRSA02J-274X | MG RESISTOR | | |
| | R 242 | NRSA02J-102X | MG RESISTOR | | |
| | R 243 | NRSA02J-101X | MG RESISTOR | | |
| | R 244 | NRSA02J-123X | MG RESISTOR | | |
| | R 245 | NRSA02J-184X | MG RESISTOR | | |
| | R 246 | NRSA02J-223X | MG RESISTOR | | |
| | R 247 | NRSA02J-473X | MG RESISTOR | | |
| | R 321 | NRSA02J-823X | MG RESISTOR | | |
| | R 331 | NRSA02J-823X | MG RESISTOR | | |
| | R 343 | NRSA02J-222X | MG RESISTOR | | |
| | R 344 | NRSA02J-101X | MG RESISTOR | | |
| | R 501 | NRSA02J-562X | MG RESISTOR | | |
| | R 502 | NRSA02J-562X | MG RESISTOR | | |
| | R 503 | NRSA02J-242X | MG RESISTOR | | |
| | R 504 | NRSA02J-203X | MG RESISTOR | | |
| | R 507 | NRS181J-0R0X | MG RESISTOR | | |
| | R 521 | NRSA02J-473X | MG RESISTOR | | |
| | R 522 | NRSA02J-473X | MG RESISTOR | | |
| | R 523 | NRSA02J-473X | MG RESISTOR | | |
| | R 524 | NRSA02J-473X | MG RESISTOR | | |
| | R 525 | NRSA02J-104X | MG RESISTOR | | |
| | R 526 | NRSA02J-104X | MG RESISTOR | | |
| | R 527 | NRSA02J-220X | MG RESISTOR | | |
| | R 528 | NRSA02J-220X | MG RESISTOR | | |
| | R 529 | NRSA02J-273X | MG RESISTOR | | |
| | R 530 | NRSA02J-333X | MG RESISTOR | | |
| | R 531 | NRSA02J-222X | MG RESISTOR | | |
| | R 532 | NRSA02J-153X | MG RESISTOR | | |
| | R 533 | NRSA02J-682X | MG RESISTOR | | |
| | R 534 | NRSA02J-473X | MG RESISTOR | | |
| | R 541 | NRSA02J-472X | MG RESISTOR | | |
| | R 542 | NRSA02J-472X | MG RESISTOR | | |
| | R 543 | NRSA02J-472X | MG RESISTOR | | |
| | R 544 | NRSA02J-472X | MG RESISTOR | | |
| | R 545 | NRSA02J-103X | MG RESISTOR | | |
| | R 546 | NRSA02J-103X | MG RESISTOR | | |
| | R 547 | NRSA02J-473X | MG RESISTOR | | |
| | R 548 | NRSA02J-683X | MG RESISTOR | | |
| | R 549 | NRSA02J-474X | MG RESISTOR | | |
| | R 701 | NRSA02J-102X | MG RESISTOR | | |
| | R 702 | NRSA02J-122X | MG RESISTOR | | |
| | R 703 | NRSA02J-222X | MG RESISTOR | | |
| | R 704 | NRSA02J-222X | MG RESISTOR | | |
| | R 705 | NRSA02J-222X | MG RESISTOR | | |
| | R 706 | NRSA02J-103X | MG RESISTOR | | |
| | R 707 | NRSA02J-473X | MG RESISTOR | | |
| | R 708 | NRSA02J-473X | MG RESISTOR | | KD-S676R ONLY |
| | R 709 | NRSA02J-472X | MG RESISTOR | | KD-S676R ONLY |

■ Electrical parts list (Main board)

Block No. 01

| ▲ | Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|--------------|-------------|---------|------|
| | R 710 | NRSA02J-472X | MG RESISTOR | | |
| | R 711 | NRSA02J-472X | MG RESISTOR | | |
| | R 712 | NRSA02J-472X | MG RESISTOR | | |
| | R 713 | NRSA02J-103X | MG RESISTOR | | |
| | R 714 | NRSA02J-103X | MG RESISTOR | | |
| | R 715 | NRSA02J-103X | MG RESISTOR | | |
| | R 716 | NRSA02J-103X | MG RESISTOR | | |
| | R 717 | NRSA02J-103X | MG RESISTOR | | |
| | R 718 | NRSA02J-103X | MG RESISTOR | | |
| | R 719 | NRSA02J-472X | MG RESISTOR | | |
| | R 720 | NRSA02J-472X | MG RESISTOR | | |
| | R 721 | NRSA02J-472X | MG RESISTOR | | |
| | R 722 | NRSA02J-391X | MG RESISTOR | | |
| | R 723 | NRSA02J-104X | MG RESISTOR | | |
| | R 725 | NRSA02J-104X | MG RESISTOR | | |
| | R 726 | NRSA02J-473X | MG RESISTOR | | |
| | R 727 | NRSA02J-473X | MG RESISTOR | | |
| | R 728 | NRSA02J-473X | MG RESISTOR | | |
| | R 729 | NRSA02J-473X | MG RESISTOR | | |
| | R 730 | NRSA02J-104X | MG RESISTOR | | |
| | R 731 | NRSA02J-104X | MG RESISTOR | | |
| | R 732 | NRSA02J-473X | MG RESISTOR | | |
| | R 733 | NRSA02J-473X | MG RESISTOR | | |
| | R 734 | NRSA02J-103X | MG RESISTOR | | |
| | R 736 | NRSA02J-103X | MG RESISTOR | | |
| | R 737 | NRSA02J-473X | MG RESISTOR | | |
| | R 738 | NRSA02J-103X | MG RESISTOR | | |
| | R 739 | NRSA02J-473X | MG RESISTOR | | |
| | R 740 | NRSA02J-473X | MG RESISTOR | | |
| | R 743 | NRSA02J-473X | MG RESISTOR | | |
| | R 744 | NRSA02J-222X | MG RESISTOR | | |
| | R 745 | NRSA02J-222X | MG RESISTOR | | |
| | R 746 | NRSA02J-473X | MG RESISTOR | | |
| | R 781 | NRS181J-273X | MG RESISTOR | | |
| | R 782 | NRS181J-181X | MG RESISTOR | | |
| | R 801 | NRSA02J-104X | MG RESISTOR | | |
| | R 802 | NRSA02J-104X | MG RESISTOR | | |
| | R 803 | NRSA02J-104X | MG RESISTOR | | |
| | R 807 | NRSA02J-104X | MG RESISTOR | | |
| | R 809 | NRSA02J-104X | MG RESISTOR | | |
| | R 891 | NRSA02J-473X | MG RESISTOR | | |
| | R 892 | NRSA02J-102X | MG RESISTOR | | |
| | R 901 | NRSA02J-222X | MG RESISTOR | | |
| | R 902 | NRSA02J-473X | MG RESISTOR | | |
| | R 903 | NRSA02J-0R0X | MG RESISTOR | | |
| | R 905 | NRSA02J-472X | MG RESISTOR | | |
| | R 906 | NRSA02J-103X | MG RESISTOR | | |
| | R 907 | QRZ0125-470X | C RESISTOR | 47 1/1W | |
| | R 911 | NRSA02J-100X | MG RESISTOR | | |
| | R 976 | NRSA02J-473X | MG RESISTOR | | |
| | R 977 | NRSA02J-273X | MG RESISTOR | | |
| | R 978 | NRSA02J-123X | MG RESISTOR | | |
| TU 1 | QUA0156-001 | | TUNER | | |
| X 71 | QAX0263-001Z | | CRYSTAL | | |
| X 541 | QAX0413-001Z | | CRYSTAL | | |
| X 701 | QAX0406-001Z | | CRYSTAL | | |

Electrical parts list (Switch board)

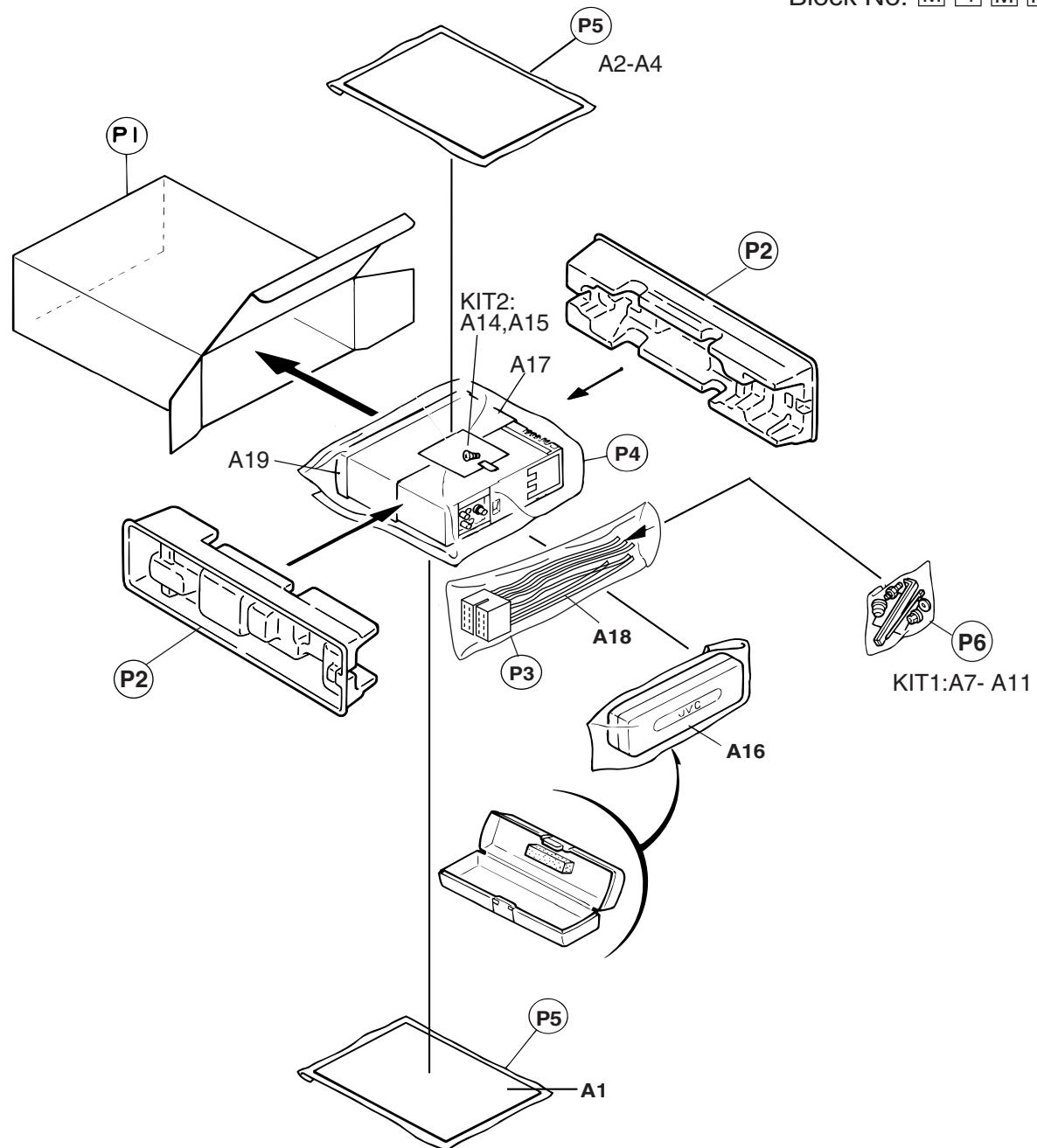
Block No. 02

| ▲ | Item | Parts number | Parts name | Remarks | Area |
|-------|-----------------|-----------------|------------|---------|------|
| C 601 | NCB21HK-223X | C CAPACITOR | | | |
| C 602 | NCS21HJ-681X | C CAPACITOR | | | |
| C 603 | NBE20JM-106X | TS E CAP SVB20J | | | |
| CJ601 | VMC0335-001 | CONNECTOR | | | |
| D 601 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 601 | LNJ308G81/1-3/X | LED | KD-S676R | | |
| D 602 | LNJ308G81/1-3/X | LED | KD-S676R | | |
| D 602 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 603 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 603 | LNJ308G81/1-3/X | LED | KD-S676R | | |
| D 604 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 604 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 605 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 605 | LNJ308G81/1-3/X | LED | KD-S676R | | |
| D 606 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 606 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 607 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 607 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 608 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 608 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 609 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 609 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 610 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 610 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 611 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 611 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 612 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 612 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 613 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 613 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 614 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 614 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 615 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 615 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 616 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 616 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 617 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 617 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 618 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 618 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 619 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 619 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 620 | LNU308G81/1-3/X | LED | KD-S676R | | |
| D 620 | SML-310DT/KL/-X | LED | KD-S673R | | |
| D 621 | SML-310LT/MN/-X | LED | POWER LED | | |
| D 641 | MA3047/M/-X | ZENER DIODE | | | |
| D 642 | MA152WK-X | SI DIODE | | | |
| IC601 | LC75823W | IC | | | |
| PL601 | QLL0075-001 | PILOT LAMP | KD-S673R | | |
| PL601 | QLL0056-001 | PILOT LAMP | KD-S676R | | |
| PL602 | QLL0056-001 | PILOT LAMP | KD-S676R | | |
| PL602 | QLL0075-001 | PILOT LAMP | KD-S673R | | |
| R 601 | NRSA02J-821X | MG RESISTOR | | | |
| R 602 | NRSA02J-821X | MG RESISTOR | | | |
| R 603 | NRSA02J-122X | MG RESISTOR | | | |
| R 604 | NRSA02J-182X | MG RESISTOR | | | |
| R 605 | NRSA02J-272X | MG RESISTOR | | | |
| R 606 | NRSA02J-821X | MG RESISTOR | | | |
| R 607 | NRSA02J-821X | MG RESISTOR | | | |
| R 608 | NRSA02J-122X | MG RESISTOR | | | |
| R 609 | NRSA02J-182X | MG RESISTOR | | | |
| R 610 | NRSA02J-272X | MG RESISTOR | | | |
| R 611 | NRSA02J-392X | MG RESISTOR | | | |

| ▲ | Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|--------------|------------|---------|------|
| R 612 | NRSA02J-103X | MG RESISTOR | | | |
| R 613 | NRSA02J-821X | MG RESISTOR | | | |
| R 614 | NRSA02J-821X | MG RESISTOR | | | |
| R 615 | NRSA02J-122X | MG RESISTOR | | | |
| R 616 | NRSA02J-182X | MG RESISTOR | | | |
| R 617 | NRSA02J-272X | MG RESISTOR | | | |
| R 618 | NRSA02J-392X | MG RESISTOR | | | |
| R 631 | NRSA02J-821X | MG RESISTOR | | | |
| R 632 | NRSA02J-271X | MG RESISTOR | | | |
| R 633 | NRSA02J-271X | MG RESISTOR | | | |
| R 634 | NRSA02J-271X | MG RESISTOR | | | |
| R 635 | NRSA02J-271X | MG RESISTOR | | | |
| R 636 | NRSA02J-271X | MG RESISTOR | | | |
| R 637 | NRSA02J-271X | MG RESISTOR | | | |
| R 638 | NRSA02J-271X | MG RESISTOR | | | |
| R 639 | NRSA02J-271X | MG RESISTOR | | | |
| R 640 | NRSA02J-271X | MG RESISTOR | | | |
| R 641 | NRSA02J-271X | MG RESISTOR | | | |
| R 651 | NRSA02J-222X | MG RESISTOR | | | |
| R 652 | NRSA02J-222X | MG RESISTOR | | | |
| R 653 | NRSA02J-103X | MG RESISTOR | | | |
| R 654 | NRSA02J-103X | MG RESISTOR | | | |
| R 655 | NRSA02J-103X | MG RESISTOR | | | |
| R 656 | NRSA02J-103X | MG RESISTOR | | | |
| R 657 | NRSA02J-513X | MG RESISTOR | | | |
| R 658 | NRSA02J-184X | MG RESISTOR | | | |
| S 601 | NSW0124-001X | TACT SWITCH | POWER | | |
| S 602 | NSW0124-001X | TACT SWITCH | VOL UP | | |
| S 603 | NSW0124-001X | TACT SWITCH | VOL DOWN | | |
| S 604 | NSW0124-001X | TACT SWITCH | LOUD | | |
| S 605 | NSW0124-001X | TACT SWITCH | MO | | |
| S 606 | NSW0124-001X | TACT SWITCH | DOWN | | |
| S 607 | NSW0124-001X | TACT SWITCH | SELECT | | |
| S 608 | NSW0124-001X | TACT SWITCH | UP | | |
| S 609 | NSW0124-001X | TACT SWITCH | 1 | | |
| S 610 | NSW0124-001X | TACT SWITCH | 2 | | |
| S 611 | NSW0124-001X | TACT SWITCH | 3 | | |
| S 612 | NSW0124-001X | TACT SWITCH | 4 | | |
| S 613 | NSW0124-001X | TACT SWITCH | 5 | | |
| S 614 | NSW0124-001X | TACT SWITCH | EJECT | | |
| S 615 | NSW0124-001X | TACT SWITCH | 6 | | |
| S 616 | NSW0124-001X | TACT SWITCH | DISPLAY | | |
| S 617 | NSW0124-001X | TACT SWITCH | SCAN | | |
| S 618 | NSW0124-001X | TACT SWITCH | SOUND | | |
| S 619 | NSW0124-001X | TACT SWITCH | AM | | |
| S 620 | NSW0124-001X | TACT SWITCH | FM | | |
| S 621 | NSW0124-001X | TACT SWITCH | CD | | |

Packing materials and accessories parts list

Block No. M 3 M M
Block No. M 4 M M



SCREW KIT 1



A11 Hook



A8 Mount Bolt



A9 Lock Nut



A7 Plug Nut



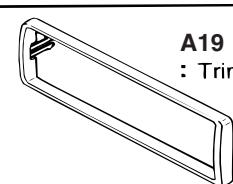
A10 Washer

SCREW KIT 2



A14
Screw

A15
Sheet



A19
: Trim Plate

■ Parts list (Packing parts list)

Block No. M3MM

| A | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|---------------|------|-----------------|------|
| | P 1 | FSPE3004-056 | PACKING CASE | 1 | KD-S673R | |
| | | FSPE3004-055 | PACKING CASE | 1 | KD-S676R | |
| | P 2 | FSPH1017-001 | PAPER CUSHION | 2 | | |
| | P 3 | QPA01003003 | POLY BAG | 1 | | |
| | P 4 | VPE3005-064 | POLY BAG | 1 | SET(260X440X0.0 | |
| | P 5 | QPA01703505P | POLY BAG | 2 | INST.BOOK | |
| | P 6 | QPA00801205 | POLY BAG | 1 | | |

■ Parts list (Accessories parts list)

Block No. M4MM

| A | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|-------|-----------------|-----------------|------|-----------------|------|
| | A 1 | FSUN3121-311 | INST.BOOK | 1 | ENG GER FRE DUT | |
| | A 2 | FSUN3121-T211 | INSTRUCT.SHEET | 1 | ENG GER FRE | |
| | | FSUN3121-T451 | INSTRUCT.SHEET | 1 | DUT SPA ITA | |
| | | FSUN3121-T481 | INSTRUCT.SHEET | 1 | SWE FIN | |
| | A 3 | BT-54013-1 | WARRANTY CARD | 1 | | |
| | A 4 | FSUN3121-321 | INST.BOOK | 1 | SPA ITA SWE FIN | |
| | A 7 | VKZ4027-202 | PLUG NUT | 1 | | |
| | A 8 | VKH4871-001SS | MOUNT BOLT | 1 | | |
| | A 9 | VKZ4328-001 | LOCK NUT | 1 | FOR M5 | |
| | A 10 | WNS5000Z | WASHER | 1 | | |
| | A 11 | FSKL4010-002 | HOOK | 2 | | |
| | A 14 | VKZ4777-001 | MINI SCREW | 1 | | |
| | A 15 | FSYA4001-001 | SHEET | 1 | | |
| | A 16 | FSJB3001-30A | HARD CASE | 1 | | |
| | A 17 | FSKM2004-202 | MOUNTING SLEEVE | 1 | | |
| A | A 18 | QAM0175-001 | POWER CORD | 1 | | |
| | A 19 | FSJD2034-001 | TRIM PLATE | 1 | | |
| | KIT 1 | KDGS717K-SCREW1 | SCREW PARTS KIT | 1 | A7-A11 | |
| | KIT 2 | KDGS727J-SCREW2 | SCREW PARTS KIT | 1 | A14 A15 | |