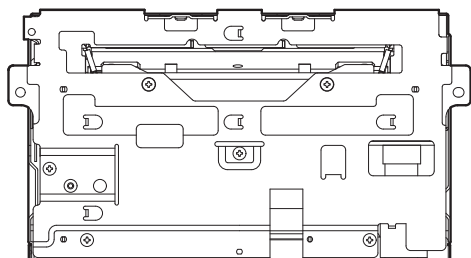


# Service Manual



NISSAN Automobile Genuine  
AM/FM Radio Stereo CD Deck

Model **PN-2529H-D**  
Genuine No.: 28185 CC20A

## ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model PN-2529H-A

| Original model | Manual No.  |
|----------------|-------------|
| PN-2529H-A     | 298-6052-00 |

Some electric parts and CD mechanism differ from the original model.

## SPECIFICATIONS

### Radio section

Tuning system: PLL frequency synthesizer system  
Receive range: AM 530kHz to 1,710kHz  
FM 87.75Hz to 107.9MHz

Intermediate frequency:  
AM 450kHz  
FM 10.7MHz

Quieting sensitivity:  
AM Less than 38dBu(at 20dB S/N)  
FM Less than 15dBu(at 30dB S/N)  
FM 22 +5/-7 dB(1kHz)

Separation: FM 22 +5/-7 dB(1kHz)

Auto tuning stop sensitivity:  
AM 42 +6/-6 dBu(600kHz)  
39 +6/-6 dBu(1000/1400kHz)  
FM 32 +6/-6 dBu

### CD section

Disc: 12cm,8cm Disc  
Separation: More than 50dB  
S/N ratio: More than 74dB

### NAVI section

NAVI Output Level: 580 mV +3/-3 dB

## General

Load impedance: 4 ohm  
Power output: 40W x 4  
Power supply voltage: DC13.2V(10.8V to 15.6V)  
Negative ground  
Back-up consumption: Less than 0.5mA  
Dimensions(mm): 180(W) x 106.4(H) x 148.4(D)  
Weight: Approx. 1.8kg

## COMPONENTS

### PN-2529H-D

1. Main unit ----- 1

## DEFFARENCE FROM ORIGINAL EXPLODED VIEW / PARTS LIST

### Main section

| NO. | PART NO.    | DESCRIPTION                                   | Q'TY |
|-----|-------------|-----------------------------------------------|------|
| 1-1 | 039-2759-00 | MAIN PWB(MAIN SECTION)<br>(WITHOUT COMPONENT) | 1    |
| 1-2 | 039-2759-00 | MAIN PWB(SUB SECTION)<br>(WITHOUT COMPONENT)  | 1    |
| 1-3 | 039-2759-00 | MAIN PWB(EQ SECTION)<br>(WITHOUT COMPONENT)   | 1    |
| 2   | 880-1921E   | AM/FM TUNER                                   | 1    |
| 8   | 331-3236-02 | MECHA-BRKT(F)                                 | 1    |
| 13  | 311-1834-01 | LOWER CASE                                    | 1    |
| 14  | 313-1933-20 | HEAT SINK                                     | 1    |
| 20  | 929-0290-81 | CD MECHANISM                                  | 1    |
| 31  | 286-9526-63 | SETPLATE                                      | 1    |

Other exploded view parts of PN-2529H-D is the same as PN-2529H-A

# ELECTRICAL PARTS LIST

## Main PWB(B1) section

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION      |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|------------------|
| ANT101  | 331-3238-30 | REAR PLATE  | C504    | 042-1548-03 | 16V 100uF   | C854    | 168-4732-78 | 0.047uF K        |
| BL101   | 880-1921E   | AM/FM TUNER | C505    | 168-1042-78 | 16V 0.1uF   | C855    | 168-4732-78 | 0.047uF K        |
| C101    | 166-1511-50 | 150pF CH    | C506    | 163-1073-35 | 16V 100uF   | C856    | 168-5622-55 | 5600pF K         |
| C115    | 166-1007-50 | 10pF CH     | C507    | 163-1073-35 | 16V 100uF   | C857    | 178-2222-78 | 2200pF           |
| C121    | 188-1073-28 | 10V 100uF   | C508    | 163-1073-35 | 16V 100uF   | C858    | 168-1032-55 | 0.01uF K         |
| C122    | 043-0277-51 | 0.022uF     | C509    | 042-0423-94 | 10V 4.7uF   | C859    | 168-1032-55 | 0.01uF K         |
| C124    | 168-1042-78 | 16V 0.1uF   | C510    | 168-1042-78 | 16V 0.1uF   | C860    | 178-2222-78 | 2200pF           |
| C125    | 188-1073-28 | 10V 100uF   | C511    | 042-0592-58 | 16V 10uF    | C863    | 042-0592-58 | 16V 10uF         |
| C129    | 168-1042-78 | 16V 0.1uF   | C515    | 163-4763-35 | 16V 47uF    | C864    | 163-2273-25 | 10V 220uF        |
| C130    | 188-1073-28 | 10V 100uF   | C551    | 042-1548-03 | 16V 100uF   | C865    | 166-2201-50 | 22pF CH          |
| C132    | 178-1052-78 | 1uF         | C552    | 168-1042-78 | 16V 0.1uF   | C868    | 168-5632-78 | 16V 0.056uF      |
| C133    | 168-1232-55 | 0.012uF K   | C553    | 042-1548-03 | 16V 100uF   | C869    | 168-5632-78 | 16V 0.056uF      |
| C134    | 042-1458-90 | 50V 1uF LN  | C554    | 188-1063-38 | 16V 10uF    | C870    | 168-6832-78 | 0.068uF K        |
| C135    | 188-4763-38 | 16V 47uF    | C555    | 168-2232-55 | 0.022uF K   | C871    | 168-6832-78 | 0.068uF K        |
| C136    | 043-0277-51 | 0.022uF     | C601    | 168-2232-55 | 0.022uF K   | C873    | 168-5632-78 | 16V 0.056uF      |
| C138    | 168-1022-55 | 1000pF K    | C602    | 168-6822-55 | 6800pF K    | C874    | 168-6832-78 | 0.068uF K        |
| C140    | 188-4763-38 | 16V 47uF    | C603    | 168-6822-55 | 6800pF K    | C875    | 166-2201-50 | 22pF CH          |
| C141    | 168-2232-55 | 0.022uF K   | C604    | 168-6822-55 | 6800pF K    | C876    | 166-2201-50 | 22pF CH          |
| C142    | 166-1011-50 | 100pF CH    | C605    | 168-6822-55 | 6800pF K    | C879    | 166-2201-50 | 22pF CH          |
| C143    | 166-1011-50 | 100pF CH    | C606    | 168-6822-55 | 6800pF K    | C880    | 166-2201-50 | 22pF CH          |
| C144    | 166-1011-50 | 100pF CH    | C607    | 168-6822-55 | 6800pF K    | C881    | 168-5632-78 | 16V 0.056uF      |
| C145    | 166-1011-50 | 100pF CH    | C608    | 168-6822-55 | 6800pF K    | C882    | 168-6832-78 | 0.068uF K        |
| C146    | 166-1801-50 | 18pF CH     | C609    | 168-6822-55 | 6800pF K    | C883    | 042-0592-73 | 50V 1uF          |
| C147    | 168-3932-78 | 0.039uF K   | C610    | 168-2222-55 | 2200pF K    | C884    | 172-3931-15 | 0.039uF          |
| C148    | 168-3932-78 | 0.039uF K   | C611    | 172-1041-15 | 0.1uF       | C885    | 172-3931-15 | 0.039uF          |
| C149    | 168-5632-78 | 16V 0.056uF | C612    | 189-3383-32 | 16V3300uF   | C886    | 172-3931-15 | 0.039uF          |
| C150    | 168-5632-78 | 16V 0.056uF | C613    | 188-1053-68 | 50V 1uF     | C887    | 172-3931-15 | 0.039uF          |
| C151    | 166-1801-50 | 18pF CH     | C801    | 042-0592-58 | 16V 10uF    | C888    | 188-1063-38 | 16V 10uF         |
| C152    | 168-4722-55 | 4700pF K    | C802    | 042-0592-58 | 16V 10uF    | C889    | 168-1022-55 | 1000pF K         |
| C153    | 166-1201-50 | 12pF CH     | C803    | 042-0592-58 | 16V 10uF    | C890    | 188-1053-68 | 50V 1uF          |
| C155    | 166-2201-50 | 22pF CH     | C804    | 042-0592-58 | 16V 10uF    | C891    | 168-4745-79 | 0.47uF Z         |
| C156    | 166-2201-50 | 22pF CH     | C809    | 166-2201-50 | 22pF CH     | C892    | 168-1822-55 | 1800pF K         |
| C158    | 166-2201-50 | 22pF CH     | C810    | 166-2201-50 | 22pF CH     | C893    | 168-1822-55 | 1800pF K         |
| C305    | 042-1562-68 | 16V 22uF    | C811    | 166-2201-50 | 22pF CH     | C894    | 178-1052-78 | 1uF              |
| C307    | 042-0592-73 | 50V 1uF     | C812    | 166-2201-50 | 22pF CH     | C895    | 178-1052-78 | 1uF              |
| C312    | 042-0592-73 | 50V 1uF     | C815    | 168-3922-55 | 3900pF K    | C896    | 178-1052-78 | 1uF              |
| C313    | 178-4742-78 | 0.47uF      | C816    | 168-3922-55 | 3900pF K    | C897    | 178-1052-78 | 1uF              |
| C314    | 178-4742-78 | 0.47uF      | C817    | 166-2201-50 | 22pF CH     | C898    | 163-4753-55 | 35V 4.7uF        |
| C315    | 168-1222-55 | 1200pF K    | C818    | 166-2201-50 | 22pF CH     | C899    | 163-4753-55 | 35V 4.7uF        |
| C316    | 042-0592-73 | 50V 1uF     | C819    | 166-2201-50 | 22pF CH     | C1001   | 042-1562-17 | 16V 10uF         |
| C317    | 042-0592-73 | 50V 1uF     | C820    | 166-2201-50 | 22pF CH     | C1002   | 042-1562-17 | 16V 10uF         |
| C318    | 168-1222-55 | 1200pF K    | C823    | 178-6822-78 | 6800pF      | C1003   | 042-1562-17 | 16V 10uF         |
| C323    | 178-1842-78 | 0.18uF      | C824    | 178-6822-78 | 6800pF      | C1004   | 042-1562-17 | 16V 10uF         |
| C324    | 178-1842-78 | 0.18uF      | C825    | 178-5632-78 | 0.056uF     | C1005   | 168-1022-55 | 1000pF K         |
| C325    | 178-1842-78 | 0.18uF      | C826    | 178-5632-78 | 0.056uF     | C1006   | 168-1022-55 | 1000pF K         |
| C326    | 178-1842-78 | 0.18uF      | C827    | 166-2201-50 | 22pF CH     | C1007   | 168-2232-55 | 0.022uF K        |
| C327    | 168-8212-55 | 820pF K     | C828    | 166-2201-50 | 22pF CH     | C1008   | 168-2222-55 | 2200pF K         |
| C328    | 168-8212-55 | 820pF K     | C829    | 166-2201-50 | 22pF CH     | C1009   | 168-2222-55 | 2200pF K         |
| C329    | 168-8212-55 | 820pF K     | C830    | 166-2201-50 | 22pF CH     | C1010   | 168-1022-55 | 1000pF K         |
| C330    | 168-8212-55 | 820pF K     | C831    | 178-5632-78 | 0.056uF     | C1011   | 168-1022-55 | 1000pF K         |
| C331    | 042-0592-58 | 16V 10uF    | C832    | 178-5632-78 | 0.056uF     | C1012   | 188-1066-38 | 16V 10uF NP      |
| C332    | 042-0592-58 | 16V 10uF    | 835     | 178-2232-78 | 0.022uF     | C1013   | 188-1066-38 | 16V 10uF NP      |
| C333    | 168-1832-55 | 0.018uF K   | C836    | 178-2232-78 | 0.022uF     | C1017   | 168-1022-55 | 1000pF K         |
| C410    | 168-1042-78 | 16V 0.1uF   | C837    | 178-2242-78 | 0.22uF      | C1018   | 168-1022-55 | 1000pF K         |
| C412    | 166-1011-50 | 100pF CH    | C838    | 178-2742-78 | 0.27uF      | CCT402  | 050-0140-54 | 1/32W 1k ohm x4J |
| C414    | 166-1011-50 | 100pF CH    | C839    | 178-2742-78 | 0.27uF      | CCT403  | 050-0140-54 | 1/32W 1k ohm x4J |
| C416    | 166-1011-50 | 100pF CH    | C840    | 178-2242-78 | 0.22uF      | CCT406  | 050-0140-54 | 1/32W 1k ohm x4J |
| C417    | 166-1011-50 | 100pF CH    | C841    | 178-1242-78 | 0.12uF      | CCT408  | 050-0140-54 | 1/32W 1k ohm x4J |
| C420    | 163-4763-15 | 6.3V 47uF   | C842    | 178-5632-78 | 0.056uF     | CCT409  | 050-0140-54 | 1/32W 1k ohm x4J |
| C421    | 168-1042-78 | 16V 0.1uF   | C843    | 178-5632-78 | 0.056uF     | CCT411  | 050-0140-54 | 1/32W 1k ohm x4J |
| C422    | 168-1022-55 | 1000pF K    | C844    | 178-1242-78 | 0.12uF      | CCT412  | 050-0140-54 | 1/32W 1k ohm x4J |
| C423    | 168-1042-78 | 16V 0.1uF   | C845    | 166-2201-50 | 22pF CH     | CCT414  | 050-0140-54 | 1/32W 1k ohm x4J |
| C424    | 168-1032-55 | 0.01uF K    | C846    | 166-2201-50 | 22pF CH     | CCT415  | 050-0140-54 | 1/32W 1k ohm x4J |
| C430    | 168-3922-55 | 3900pF K    | C847    | 166-2201-50 | 22pF CH     | CCT417  | 050-0140-54 | 1/32W 1k ohm x4J |
| C431    | 168-3922-55 | 3900pF K    | C848    | 166-2201-50 | 22pF CH     | CCT418  | 050-0140-54 | 1/32W 1k ohm x4J |
| C443    | 042-0403-55 | 16V 33uF    | C849    | 166-2201-50 | 22pF CH     | CCT419  | 050-0140-54 | 1/32W 1k ohm x4J |
| C444    | 166-1011-50 | 100pF CH    | C850    | 166-2201-50 | 22pF CH     | CCT420  | 050-0140-54 | 1/32W 1k ohm x4J |
| C445    | 166-1011-50 | 100pF CH    | C851    | 166-2201-50 | 22pF CH     | D502    | 001-0504-48 | HZS9C2L          |
| C446    | 166-1011-50 | 100pF CH    | C852    | 166-2201-50 | 22pF CH     | D503    | 001-0466-90 | S5688B           |
| C447    | 168-1022-55 | 1000pF K    | C853    | 168-5622-55 | 5600pF K    | D504    | 001-0466-90 | S5688B           |

| REF No. | PART No.    | DESCRIPTION            | REF No. | PART No.    | DESCRIPTION     | REF No. | PART No.    | DESCRIPTION      |
|---------|-------------|------------------------|---------|-------------|-----------------|---------|-------------|------------------|
| D551    | 001-0504-31 | HZS6 A2L               | Q807    | 125-0006-90 | UN2110          | R445    | 032-0140-89 | 1/10W 47k ohm F  |
| D552    | 001-0504-45 | HZS9B1L                | Q808    | 125-9003-92 | IMD3            | R447    | 119-4731-15 | 1/10W 47k ohm    |
| D602    | 001-0529-34 | MA8062-L               | Q809    | 125-9003-92 | IMD3            | R448    | 032-0140-88 | 1/10W 100k ohm F |
| D605    | 001-0466-90 | S5688B                 | Q1001   | 125-0001-91 | UN2111          | R449    | 032-0140-88 | 1/10W 100k ohm F |
| D606    | 001-0516-90 | MA111                  | Q1002   | 193-0601-00 | 2SD601A         | R452    | 119-1031-15 | 1/10W 10k ohm    |
| D607    | 001-2015-00 | RL253                  | Q1003   | 193-0601-00 | 2SD601A         | R453    | 119-4731-15 | 1/10W 47k ohm    |
| D608    | 001-0466-90 | S5688B                 | Q1004   | 125-9003-92 | IMD3            | R454    | 119-4731-15 | 1/10W 47k ohm    |
| D1001   | 001-0330-90 | 1SS119                 | Q1005   | 125-9003-92 | IMD3            | R457    | 119-4731-15 | 1/10W 47k ohm    |
| D1002   | 001-0422-38 | MTZJ36                 | Q1006   | 125-2005-91 | UN2211          | R458    | 119-4731-15 | 1/10W 47k ohm    |
| D1003   | 001-0529-44 | MA8082-M               | Q1007   | 125-9006-90 | IMX1            | R459    | 119-4731-15 | 1/10W 47k ohm    |
| D1004   | 001-0584-35 | MA8240                 | Q1008   | 125-0001-91 | UN2111          | R460    | 119-1041-15 | 1/10W 100k ohm   |
| D1005   | 001-0584-35 | MA8240                 | Q1009   | 193-0601-00 | 2SD601A         | R463    | 119-4731-15 | 1/10W 47k ohm    |
| D1006   | 001-0330-90 | 1SS119                 | Q1010   | 125-2005-91 | UN2211          | R469    | 119-4731-15 | 1/10W 47k ohm    |
| D1007   | 001-0330-90 | 1SS119                 | Q1011   | 193-0601-00 | 2SD601A         | R477    | 119-4731-15 | 1/10W 47k ohm    |
| D1009   | 001-0584-35 | MA8240                 | R113    | 119-2221-15 | 1/10W 2.2k ohm  | R479    | 119-4731-15 | 1/10W 47k ohm    |
| D1010   | 001-0516-90 | MA111                  | R117    | 119-4721-15 | 1/10W 4.7k ohm  | R480    | 119-1021-15 | 1/10W 1k ohm     |
| IC104   | 051-6212-08 | LC72191JM-TLM          | R119    | 119-1021-15 | 1/10W 1k ohm    | R483    | 119-1021-15 | 1/10W 1k ohm     |
| IC302   | 051-5027-00 | LC75412WH              | R120    | 119-2221-15 | 1/10W 2.2k ohm  | R485    | 119-1231-15 | 1/10W 12k ohm    |
| IC403   | 051-3034-90 | NJM4558V               | R121    | 119-4721-15 | 1/10W 4.7k ohm  | R486    | 119-1021-15 | 1/10W 1k ohm     |
| IC404   | 052-3177-20 | M30624MGA-632GP        | R122    | 119-8201-15 | 1/10W 82 ohm    | R488    | 119-1021-15 | 1/10W 1k ohm     |
| IC405   | 051-5436-08 | S-80933CNMC-G83(ANMP-D | R123    | 119-4741-15 | 1/10W 470k ohm  | R490    | 119-1031-15 | 1/10W 10k ohm    |
| IC501   | 051-1834-00 | LM2936                 | R124    | 119-3321-15 | 1/10W 3.3k ohm  | R493    | 119-4731-15 | 1/10W 47k ohm    |
| IC601   | 051-5418-08 | S-80827ANMP-EDQ        | R126    | 116-1001-15 | 1/4W 10 ohm     | R502    | 116-3911-15 | 1/4W 390 ohm     |
| IC801   | 051-3019-90 | NJM2060V               | R127    | 116-1001-15 | 1/4W 10 ohm     | R503    | 119-1031-15 | 1/10W 10k ohm    |
| IC802   | 051-3019-90 | NJM2060V               | R128    | 119-2221-15 | 1/10W 2.2k ohm  | R504    | 116-1011-15 | 1/4W 100 ohm     |
| IC803   | 051-3019-90 | NJM2060V               | R129    | 119-2221-15 | 1/10W 2.2k ohm  | R505    | 119-4721-15 | 1/10W 4.7k ohm   |
| IC804   | 051-3019-90 | NJM2060V               | R130    | 119-1031-15 | 1/10W 10k ohm   | R506    | 119-1021-15 | 1/10W 1k ohm     |
| IC805   | 051-3020-90 | NJM4565V               | R131    | 119-1031-15 | 1/10W 10k ohm   | R507    | 119-1031-15 | 1/10W 10k ohm    |
| IC806   | 051-3019-90 | NJM2060V               | R132    | 119-4721-15 | 1/10W 4.7k ohm  | R508    | 116-7501-15 | 1/4W 75 ohm      |
| IC808   | 051-2042-00 | TA8275H                | R133    | 119-1021-15 | 1/10W 1k ohm    | R509    | 116-2201-15 | 1/4W 22 ohm      |
| J402    | 074-1192-26 | 26P                    | R134    | 119-2221-15 | 1/10W 2.2k ohm  | R510    | 116-2201-15 | 1/4W 22 ohm      |
| J403    | 074-0834-10 | 10P                    | R135    | 119-1021-15 | 1/10W 1k ohm    | R551    | 119-2211-15 | 1/10W 220 ohm    |
| J601    | 074-1141-00 | NS10+6                 | R136    | 119-1021-15 | 1/10W 1k ohm    | R552    | 111-3311-98 | 1/4W 330 ohm     |
| J1001   | 074-1087-12 | A16 MW                 | R137    | 116-1001-15 | 1/4W 10 ohm     | R553    | 119-1041-15 | 1/10W 100k ohm   |
| J1002   | 074-1013-30 | A12 MW                 | R140    | 119-4721-15 | 1/10W 4.7k ohm  | R554    | 119-1041-15 | 1/10W 100k ohm   |
| L104    | 010-2003-04 | COIL                   | R141    | 119-4731-15 | 1/10W 47k ohm   | R601    | 119-4731-15 | 1/10W 47k ohm    |
| L106    | 010-6009-76 | 22uH J                 | R152    | 119-0000-05 | 1/10W 0 ohm JW  | R602    | 119-2731-15 | 1/10W 27k ohm    |
| L401    | 010-3407-66 | NLV32 22uH J           | R216    | 119-1021-15 | 1/10W 1k ohm    | R603    | 116-2721-15 | 1/4W 2.7k ohm    |
| L601    | 010-8021-00 | COIL                   | R310    | 032-0106-52 | 1/10W 27k ohm D | R605    | 119-1031-15 | 1/10W 10k ohm    |
| P201    | 076-0368-18 | 18P                    | R311    | 032-0106-52 | 1/10W 27k ohm D | R606    | 119-5611-15 | 1/10W 560 ohm    |
| P202    | 076-0368-06 | 6P                     | R312    | 032-0106-52 | 1/10W 27k ohm D | R611    | 116-1221-15 | 1/4W 1.2k ohm    |
| P401    | 076-0478-55 | 5P                     | R313    | 032-0106-52 | 1/10W 27k ohm D | R612    | 119-4721-15 | 1/10W 4.7k ohm   |
| P801    | 076-0655-04 | 4P                     | R314    | 119-1821-15 | 1/10W 1.8k ohm  | R613    | 116-1221-15 | 1/4W 1.2k ohm    |
| P802    | 076-0655-03 | 3P                     | R315    | 119-1821-15 | 1/10W 1.8k ohm  | R614    | 111-5691-98 | 1/4W 5.6 ohm     |
| P803    | 076-0655-03 | 3P                     | R316    | 119-3931-15 | 1/10W 39k ohm   | R615    | 111-5691-98 | 1/4W 5.6 ohm     |
| P804    | 076-0655-04 | 4P                     | R317    | 119-3931-15 | 1/10W 39k ohm   | R616    | 116-1531-15 | 1/4W 15k ohm     |
| P1001   | 074-0898-18 | 18P                    | R322    | 119-4721-15 | 1/10W 4.7k ohm  | R801    | 119-3331-15 | 1/10W 33k ohm    |
| P1002   | 074-0898-06 | 6P                     | R323    | 119-4721-15 | 1/10W 4.7k ohm  | R802    | 119-3331-15 | 1/10W 33k ohm    |
| Q105    | 192-2712-51 | 2SC2712 G,L            | R324    | 119-4721-15 | 1/10W 4.7k ohm  | R803    | 119-3331-15 | 1/10W 33k ohm    |
| Q106    | 125-2005-91 | UN2211                 | R325    | 119-4721-15 | 1/10W 4.7k ohm  | R804    | 119-3331-15 | 1/10W 33k ohm    |
| Q107    | 192-2712-51 | 2SC2712 G,L            | R411    | 119-1041-15 | 1/10W 100k ohm  | R805    | 119-2231-15 | 1/10W 22k ohm    |
| Q109    | 191-1197-50 | 2SB1197K Q,R           | R412    | 119-1041-15 | 1/10W 100k ohm  | R806    | 119-2231-15 | 1/10W 22k ohm    |
| Q111    | 191-1197-50 | 2SB1197K Q,R           | R413    | 119-4731-15 | 1/10W 47k ohm   | R807    | 119-2231-15 | 1/10W 22k ohm    |
| Q404    | 125-2005-91 | UN2211                 | R414    | 119-4731-15 | 1/10W 47k ohm   | R808    | 119-2231-15 | 1/10W 22k ohm    |
| Q405    | 191-0709-00 | 2SB709A Q,R,S          | R415    | 119-4731-15 | 1/10W 47k ohm   | R813    | 119-1031-15 | 1/10W 10k ohm    |
| Q502    | 193-2118-00 | 2SD2118F5 Q,R,S        | R417    | 119-1021-15 | 1/10W 1k ohm    | R814    | 119-1031-15 | 1/10W 10k ohm    |
| Q503    | 193-1858-00 | 2SD1858                | R418    | 119-1021-15 | 1/10W 1k ohm    | R815    | 119-4721-15 | 1/10W 4.7k ohm   |
| Q504    | 125-9003-92 | IMD3                   | R421    | 119-4731-15 | 1/10W 47k ohm   | R816    | 119-4721-15 | 1/10W 4.7k ohm   |
| Q505    | 125-2005-91 | UN2211                 | R423    | 119-4731-15 | 1/10W 47k ohm   | R819    | 119-8221-15 | 1/10W 8.2k ohm   |
| Q506    | 190-1048-00 | 2SA1048                | R425    | 119-4731-15 | 1/10W 47k ohm   | R820    | 119-8221-15 | 1/10W 8.2k ohm   |
| Q507    | 191-1205-60 | 2SB1205 R,S,T          | R427    | 119-4731-15 | 1/10W 47k ohm   | R821    | 119-4721-15 | 1/10W 4.7k ohm   |
| Q551    | 193-1664-00 | 2SD1664 P,Q,R          | R428    | 119-4731-15 | 1/10W 47k ohm   | R822    | 119-4721-15 | 1/10W 4.7k ohm   |
| Q552    | 125-9003-92 | IMD3                   | R429    | 119-1021-15 | 1/10W 1k ohm    | R823    | 119-1031-15 | 1/10W 10k ohm    |
| Q553    | 103-2012-00 | 2SD2012                | R431    | 119-4731-15 | 1/10W 47k ohm   | R824    | 119-1031-15 | 1/10W 10k ohm    |
| Q554    | 125-9003-92 | IMD3                   | R432    | 119-1041-15 | 1/10W 100k ohm  | R825    | 119-2221-15 | 1/10W 2.2k ohm   |
| Q603    | 193-0601-00 | 2SD601A                | R433    | 119-4731-15 | 1/10W 47k ohm   | R828    | 119-2221-15 | 1/10W 2.2k ohm   |
| Q607    | 125-2005-91 | UN2211                 | R434    | 119-2231-15 | 1/10W 22k ohm   | R829    | 119-2221-15 | 1/10W 2.2k ohm   |
| Q608    | 191-0709-00 | 2SB709A Q,R,S          | R435    | 119-1031-15 | 1/10W 10k ohm   | R832    | 119-2221-15 | 1/10W 2.2k ohm   |
| Q609    | 100-1359-00 | 2SA1359                | R437    | 032-0140-89 | 1/10W 47k ohm F | R835    | 119-8221-15 | 1/10W 8.2k ohm   |
| Q801    | 125-2005-91 | UN2211                 | R438    | 119-4731-15 | 1/10W 47k ohm   | R836    | 119-8221-15 | 1/10W 8.2k ohm   |
| Q804    | 125-4001-90 | XN1504                 | R440    | 119-4731-15 | 1/10W 47k ohm   | R837    | 119-5611-15 | 1/10W 560 ohm    |
| Q805    | 125-4001-90 | XN1504                 | R441    | 119-1021-15 | 1/10W 1k ohm    | R838    | 119-5611-15 | 1/10W 560 ohm    |
| Q806    | 125-0006-90 | UN2110                 | R442    | 119-1021-15 | 1/10W 1k ohm    | R839    | 119-4731-15 | 1/10W 47k ohm    |
|         |             |                        | R444    | 119-4731-15 | 1/10W 47k ohm   | R840    | 119-4731-15 | 1/10W 47k ohm    |

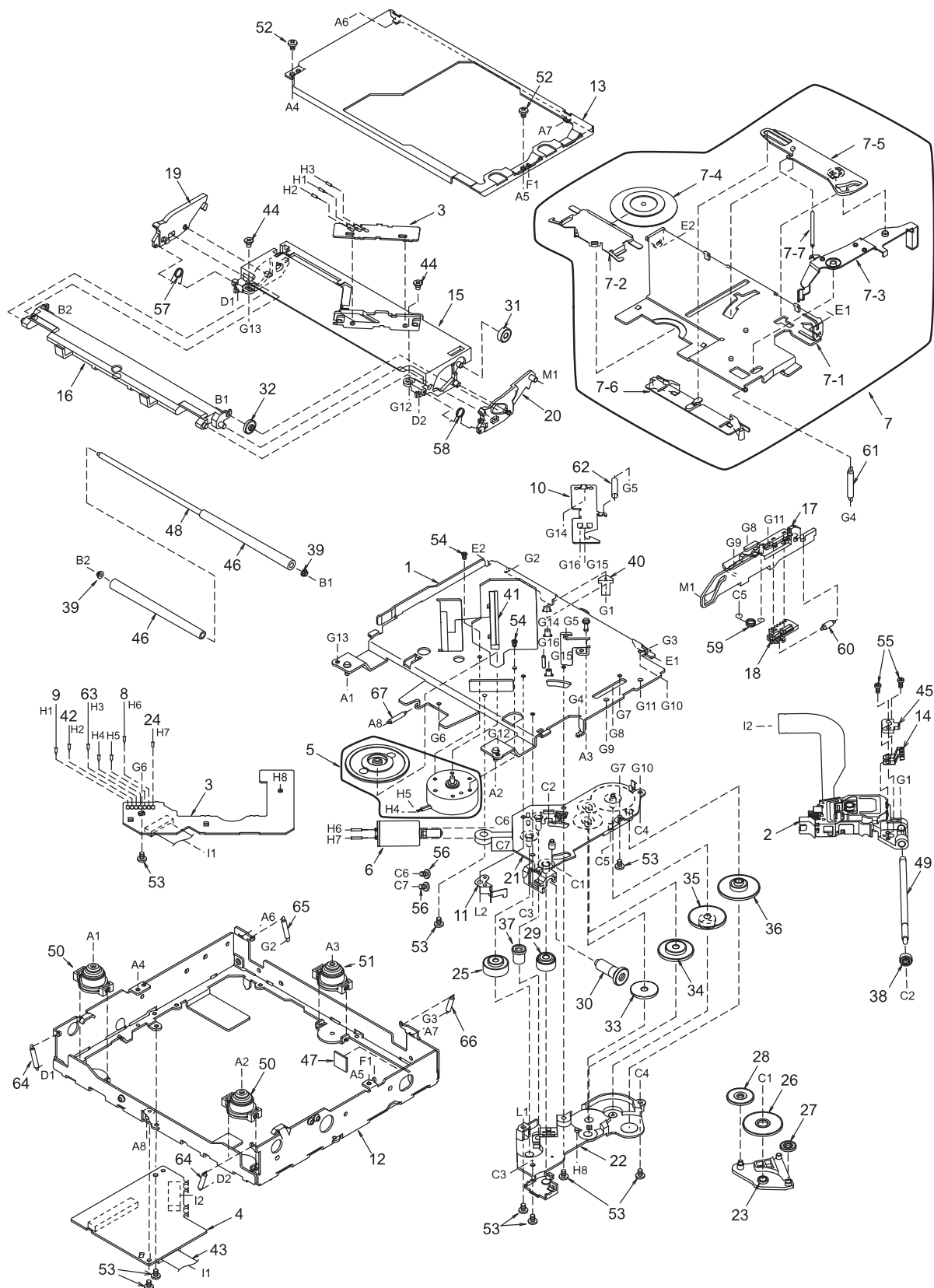
| REF No. | PART No.    | DESCRIPTION    |
|---------|-------------|----------------|
| R841    | 119-4731-15 | 1/10W 47k ohm  |
| R842    | 119-4731-15 | 1/10W 47k ohm  |
| R843    | 119-5611-15 | 1/10W 560 ohm  |
| R844    | 119-5611-15 | 1/10W 560 ohm  |
| R847    | 119-5621-15 | 1/10W 5.6k ohm |
| R848    | 119-5621-15 | 1/10W 5.6k ohm |
| R849    | 119-4721-15 | 1/10W 4.7k ohm |
| R850    | 119-1821-15 | 1/10W 1.8k ohm |
| R851    | 119-1821-15 | 1/10W 1.8k ohm |
| R852    | 119-4721-15 | 1/10W 4.7k ohm |
| R853    | 119-1511-15 | 1/10W 150 ohm  |
| R854    | 119-1511-15 | 1/10W 150 ohm  |
| R855    | 119-1511-15 | 1/10W 150 ohm  |
| R856    | 119-1511-15 | 1/10W 150 ohm  |
| R857    | 119-1541-15 | 1/10W 150k ohm |
| R858    | 119-1541-15 | 1/10W 150k ohm |
| R859    | 119-1541-15 | 1/10W 150k ohm |
| R860    | 119-1541-15 | 1/10W 150k ohm |
| R861    | 119-1541-15 | 1/10W 150k ohm |
| R862    | 119-1541-15 | 1/10W 150k ohm |
| R863    | 119-1541-15 | 1/10W 150k ohm |
| R864    | 119-1541-15 | 1/10W 150k ohm |
| R865    | 119-1511-15 | 1/10W 150 ohm  |
| R866    | 119-1511-15 | 1/10W 150 ohm  |
| R867    | 119-1511-15 | 1/10W 150 ohm  |
| R868    | 119-1511-15 | 1/10W 150 ohm  |
| R869    | 119-3921-15 | 1/10W 3.9k ohm |
| R870    | 119-4721-15 | 1/10W 4.7k ohm |
| R871    | 119-4721-15 | 1/10W 4.7k ohm |
| R872    | 119-3921-15 | 1/10W 3.9k ohm |
| R873    | 119-4731-15 | 1/10W 47k ohm  |
| R874    | 119-4731-15 | 1/10W 47k ohm  |
| R876    | 119-4731-15 | 1/10W 47k ohm  |
| R877    | 119-4731-15 | 1/10W 47k ohm  |
| R879    | 119-8221-15 | 1/10W 8.2k ohm |
| R880    | 119-8221-15 | 1/10W 8.2k ohm |

| REF No. | PART No.    | DESCRIPTION      |
|---------|-------------|------------------|
| R881    | 119-1031-15 | 1/10W 10k ohm    |
| R882    | 119-1031-15 | 1/10W 10k ohm    |
| R883    | 119-5131-15 | 1/10W 51k ohm    |
| R884    | 119-5131-15 | 1/10W 51k ohm    |
| R885    | 119-2221-15 | 1/10W 2.2k ohm   |
| R887    | 119-5131-15 | 1/10W 51k ohm    |
| R888    | 119-5131-15 | 1/10W 51k ohm    |
| R889    | 119-1031-15 | 1/10W 10k ohm    |
| R890    | 119-1031-15 | 1/10W 10k ohm    |
| R891    | 119-8221-15 | 1/10W 8.2k ohm   |
| R892    | 119-8221-15 | 1/10W 8.2k ohm   |
| R894    | 119-4731-15 | 1/10W 47k ohm    |
| R895    | 119-4731-15 | 1/10W 47k ohm    |
| R896    | 119-1031-15 | 1/10W 10k ohm    |
| R897    | 119-1031-15 | 1/10W 10k ohm    |
| R898    | 119-1031-15 | 1/10W 10k ohm    |
| R899    | 119-1031-15 | 1/10W 10k ohm    |
| R900    | 119-3331-15 | 1/10W 33k ohm    |
| R901    | 119-1831-15 | 1/10W 18k ohm    |
| R902    | 119-1831-15 | 1/10W 18k ohm    |
| R903    | 119-3331-15 | 1/10W 33k ohm    |
| R904    | 119-1031-15 | 1/10W 10k ohm    |
| R905    | 119-1021-15 | 1/10W 1k ohm     |
| R906    | 119-1021-15 | 1/10W 1k ohm     |
| R912    | -----       | NO USED          |
| R913    | 119-2231-15 | 1/10W 22k ohm    |
| R914    | 119-2231-15 | 1/10W 22k ohm    |
| R915    | 119-2231-15 | 1/10W 22k ohm    |
| R916    | 119-2231-15 | 1/10W 22k ohm    |
| R917    | 032-0140-10 | 1/10W 390k ohm F |
| R918    | 032-0140-10 | 1/10W 390k ohm F |
| R919    | 119-1021-15 | 1/10W 1k ohm     |
| R920    | 119-1021-15 | 1/10W 1k ohm     |
| R921    | 119-1031-15 | 1/10W 10k ohm    |
| R922    | 119-1031-15 | 1/10W 10k ohm    |
| R923    | 119-4721-15 | 1/10W 4.7k ohm   |

| REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|------------------------|
| R924    | 119-4721-15 | 1/10W 4.7k ohm         |
| R1001   | 119-4731-15 | 1/10W 47k ohm          |
| R1002   | 119-3011-15 | 1/10W 300 ohm          |
| R1003   | 119-3011-15 | 1/10W 300 ohm          |
| R1004   | 119-1031-15 | 1/10W 10k ohm          |
| R1005   | 119-5631-15 | 1/10W 56k ohm          |
| R1006   | 119-1021-15 | 1/10W 1k ohm           |
| R1007   | 119-1031-15 | 1/10W 10k ohm          |
| R1008   | 119-5631-15 | 1/10W 56k ohm          |
| R1009   | 119-5621-15 | 1/10W 5.6k ohm         |
| R1010   | 119-2231-15 | 1/10W 22k ohm          |
| R1011   | 111-8211-98 | 1/4W 820 ohm           |
| R1012   | 111-8211-98 | 1/4W 820 ohm           |
| R1013   | 111-8211-98 | 1/4W 820 ohm           |
| R1014   | 111-8211-98 | 1/4W 820 ohm           |
| R1015   | 119-4731-15 | 1/10W 47k ohm          |
| R1016   | 119-1031-15 | 1/10W 10k ohm          |
| R1017   | 119-1031-15 | 1/10W 10k ohm          |
| R1018   | 119-5631-15 | 1/10W 56k ohm          |
| R1019   | 119-5631-15 | 1/10W 56k ohm          |
| R1020   | 119-5621-15 | 1/10W 5.6k ohm         |
| R1021   | 119-5621-15 | 1/10W 5.6k ohm         |
| R1022   | 119-3011-15 | 1/10W 300 ohm          |
| R1040   | 119-1031-15 | 1/10W 10k ohm          |
| R1041   | 119-5631-15 | 1/10W 56k ohm          |
| R1042   | 119-1031-15 | 1/10W 10k ohm          |
| R1043   | 119-4721-15 | 1/10W 4.7k ohm         |
| R1044   | 119-1531-15 | 1/10W 15k ohm          |
| R1045   | 119-3321-15 | 1/10W 3.3k ohm         |
| SUP102  | 060-0122-91 | DSP-141N-S00B          |
| VR102   | 012-5203-56 | 10k ohm                |
| X102    | 061-1066-80 | 7.2MHz                 |
| X401    | 060-1505-50 | CSTCC10.0MG-TC         |
| PWB     | 039-2759-00 | PWB(WITHOUT COMPONENT) |

# EXPLODED VIEW/PARTS LIST

## CD mechanism section



| NO. | PART NO.    | DESCRIPTION          | Q'TY | NO. | PART NO.    | DESCRIPTION           | Q'TY |
|-----|-------------|----------------------|------|-----|-------------|-----------------------|------|
| 1   | 966-0595-27 | DRIVE PLATE ASSY     | 1    | 31  | 621-0720-20 | ROLLER GEAR C         | 1    |
| 2   | 969-0065-32 | PICK UP UNIT         | 1    | 32  | 621-0721-20 | ROLLER GEAR D         | 1    |
| 3   | -----       | LED PWB              | 1    | 33  | 621-0616-20 | POWER GEAR A          | 1    |
| 4   | -----       | CD PWB               | 1    | 34  | 621-0617-20 | POWER GEAR B          | 1    |
| 5   | SMA-182-100 | MOTOR ASSY(SPINDLE)  | 1    | 35  | 621-0618-20 | POWER GEAR C          | 1    |
| 6   | SMA-183-100 | MOTOR ASSY(SLED)     | 1    | 36  | 621-0619-20 | POWER GEAR D          | 1    |
| 7   | HBS-524-100 | CLAMPER SUB ASSY     | 1    | 37  | 621-0620-20 | THREAD GEAR A         | 1    |
| 7-1 | 620-1022-27 | CLAMPER LINK         | 1    | 38  | 621-0621-20 | THREAD GEAR B         | 1    |
| 7-2 | 620-1023-23 | CLAMPER PLATE        | 1    | 39  | 621-1726-20 | ROLLER SLEEVE         | 2    |
| 7-3 | 620-1721-22 | SENSOR ARM           | 1    | 40  | 621-0623-23 | LS-HOLDER             | 1    |
| 7-4 | 621-0708-20 | CLAMPER RING         | 1    | 41  | 621-0624-22 | GUIDE RAIL            | 1    |
| 7-5 | 621-0626-21 | STOPPER LINK         | 1    | 42  | 816-2593-00 | LEAD WIRE(PUR)        | 1    |
| 7-6 | 621-0627-21 | DISC STOPPER         | 1    | 43  | 816-2542-01 | FLAT WIRE(10P)        | 1    |
| 7-7 | 750-3471-20 | SENSOR SPRING        | 1    | 44  | 716-3473-01 | IT SCREW(M2 x 3)      | 2    |
| 8   | 803-4906-60 | VINYL COAT WIRE(ORG) | 1    | 45  | 621-1729-20 | SH-BASE               | 1    |
| 9   | 816-2591-00 | LEAD WIRE(YEL)       | 1    | 46  | 621-0629-20 | LOADING ROLLER        | 2    |
| 10  | 620-1025-23 | ID-LOCK PLATE        | 1    | 47  | 345-5476-20 | CUSHION RUBBER        | 1    |
| 11  | 620-1026-21 | SPRING PLATE         | 1    | 48  | 622-1571-21 | ROLLER SHAFT          | 1    |
| 12  | 620-1027-28 | LOWER CHASSIS        | 1    | 49  | 624-0018-01 | LEAD SCREW            | 1    |
| 13  | 620-1028-25 | UPPER CHASSIS        | 1    | 50  | 629-0081-21 | DAMPER F              | 2    |
| 14  | 966-0638-20 | SH-RACK ASSY         | 1    | 51  | 629-0082-21 | DAMPER R              | 1    |
| 15  | 621-0598-27 | UPPER GUIDE          | 1    | 52  | 714-2003-8B | MACHINE SCREW(M2 x 3) | 2    |
| 16  | 621-0718-21 | ROLLER GUIDE         | 1    | 53  | 716-1507-01 | SCREW(M2 x 3)         | 9    |
| 17  | 621-0600-26 | SHIFT LEVER          | 1    | 54  | 716-1733-01 | SCREW(M1.7 x 2.3)     | 2    |
| 18  | 621-1716-20 | RACK                 | 1    | 55  | 716-3469-01 | SCREW(3 x 4)          | 2    |
| 19  | 621-0602-22 | LOCK ARM L           | 1    | 56  | 716-3551-00 | SCREW(M1.4 x 2.5)     | 2    |
| 20  | 621-1718-20 | LOCK ARM R           | 1    | 57  | 750-3465-21 | ROLLER SPRING L       | 1    |
| 21  | 621-0724-21 | GEAR BASE            | 1    | 58  | 750-3466-20 | ROLLER SPRING R       | 1    |
| 22  | 621-0605-22 | GEAR COVER           | 1    | 59  | 750-3467-21 | SHIFT SPRING          | 1    |
| 23  | 621-1719-20 | IDLE CASE            | 1    | 60  | 750-3468-20 | RACK SPRING           | 1    |
| 24  | 816-2590-00 | VINYL COAT WIRE(GRN) | 1    | 61  | 750-3469-20 | CLAMPER SPRING        | 1    |
| 25  | 621-0608-21 | SECOND GEAR          | 1    | 62  | 750-3470-20 | ID-LOCK SPRING        | 1    |
| 26  | 621-0609-20 | BASE GEAR            | 1    | 63  | 816-2592-00 | LEAD WIRE(BLU)        | 1    |
| 27  | 621-0610-20 | IDLE GEAR A          | 1    | 64  | 750-3472-21 | DR-SPRING F           | 2    |
| 28  | 621-0611-20 | IDLE GEAR B          | 1    | 65  | 750-3473-20 | DR-SPRING RA          | 1    |
| 29  | 621-0612-21 | ROLLER GEAR A        | 1    | 66  | 750-3474-20 | DR-SPRING RB          | 1    |
| 30  | 621-0719-20 | ROLLER GEAR B        | 1    | 67  | 750-3475-21 | DR-SPRING C           | 1    |

## ELECTRICAL PARTS LIST

CD PWB section(B1) : CD mechanism

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION       |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------------|
| C1      | 168-1042-78 | 16V 0.1uF   | C19     | 168-1042-78 | 16V 0.1uF   | C37     | 168-1042-78 | 16V 0.1uF         |
| C3      | 163-2273-05 | 4V220uF     | C21     | 046-6822-58 | 6800pF      | C38     | 046-1522-58 | 1500pF            |
| C4      | 168-1042-78 | 16V 0.1uF   | C22     | 046-3332-78 | 0.033uF     | C39     | 046-4722-58 | 4700pF            |
| C5      | 163-1073-35 | 16V100uF    | C24     | 178-1052-78 | 1uF         | C40     | 046-1032-78 | 0.01uF            |
| C6      | 163-1073-35 | 16V100uF    | C25     | 168-1042-78 | 16V 0.1uF   | C41     | 046-1532-78 | 0.015uF           |
| C7      | 168-1042-78 | 16V 0.1uF   | C26     | 168-1042-78 | 16V 0.1uF   | C43     | 168-1042-78 | 16V 0.1uF         |
| C9      | 178-1052-78 | 1uF         | C28     | 168-1042-78 | 16V 0.1uF   | C47     | 045-4701-50 | 47pF              |
| C10     | 042-0560-85 | 6.3V100uF   | C29     | 168-1042-78 | 16V 0.1uF   | C48     | 168-1042-78 | 16V 0.1uF         |
| C11     | 046-4712-58 | 470pF       | C30     | 045-6801-50 | 68pF        | C49     | 168-1042-78 | 16V 0.1uF         |
| C12     | 178-1052-78 | 1uF         | C31     | 168-1042-78 | 16V 0.1uF   | C50     | 042-0666-00 | 12.5V 22uF        |
| C13     | 046-4712-58 | 470pF       | C32     | 168-1042-78 | 16V 0.1uF   | C51     | 046-5622-58 | 5600pF            |
| C15     | 168-1042-78 | 16V 0.1uF   | C33     | 046-1532-78 | 0.015uF     | C52     | 178-1052-78 | 1uF               |
| C16     | 168-4732-78 | 0.047uF     | C34     | 168-1042-78 | 16V 0.1uF   | C55     | 178-1052-78 | 1uF               |
| C17     | 168-4732-78 | 0.047uF     | C35     | 046-6812-58 | 680pF       | CCT2    | 050-0140-63 | 1/32W 47k ohm x4J |
| C18     | 168-1042-78 | 16V 0.1uF   | C36     | 168-1042-78 | 16V 0.1uF   | D1      | 001-0367-91 | 1SS226            |

| REF No. | PART No.    | DESCRIPTION   |
|---------|-------------|---------------|
| IC1     | 051-6071-08 | BA5825FP-E2   |
| IC2     | 051-6399-00 | TC94A15F      |
| J101    | 074-1228-76 | 26P           |
| J201    | 074-1138-65 | 15P           |
| J301    | 074-1138-60 | 10P           |
| Q1      | 131-1188-50 | 2SB1188PQR    |
| Q2      | 131-1188-50 | 2SB1188PQR    |
| R1      | 117-6811-15 | 1/8W 680 ohm  |
| R2      | 117-1001-15 | 1/8W 10 ohm   |
| R9      | 033-2211-15 | 1/10W 220 ohm |
| R11     | 033-1051-15 | 1/10W 1M ohm  |
| R12     | 119-6811-15 | 1/10W 680 ohm |

| REF No. | PART No.    | DESCRIPTION    |
|---------|-------------|----------------|
| R13     | 033-2211-15 | 1/10W 220 ohm  |
| R14     | 033-2211-15 | 1/10W 220 ohm  |
| R16     | 033-2231-15 | 1/10W 22k ohm  |
| R18     | 033-3341-15 | 1/10W 330k ohm |
| R19     | 033-5621-15 | 1/10W 5.6k ohm |
| R21     | 033-2231-15 | 1/10W 22k ohm  |
| R22     | 033-4731-15 | 1/10W 47k ohm  |
| R24     | 033-1041-15 | 1/10W 100k ohm |
| R25     | 033-1031-15 | 1/10W 10k ohm  |
| R26     | 033-1531-15 | 1/10W 15k ohm  |
| R27     | 033-4731-15 | 1/10W 47k ohm  |
| R28     | 033-1831-15 | 1/10W 18k ohm  |

| REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|------------------------|
| R29     | 033-6821-15 | 1/10W 6.8k ohm         |
| R30     | 033-8231-15 | 1/10W 82k ohm          |
| R31     | 033-8231-15 | 1/10W 82k ohm          |
| R32     | 119-1001-15 | 1/10W 10 ohm           |
| R33     | 033-2731-15 | 1/10W 27k ohm          |
| R34     | 033-2731-15 | 1/10W 27k ohm          |
| R35     | 033-2731-15 | 1/10W 27k ohm          |
| R36     | 033-2731-15 | 1/10W 27k ohm          |
| R37     | 032-0162-50 | 1/10W 0.51 ohm         |
| X1      | 060-1535-90 | 16.934MHz              |
| PWB     | 039-2435-20 | PWB(WITHOUT COMPONENT) |

### LED PWB section(B2) : CD mechanism

| REF No. | PART No.    | DESCRIPTION |
|---------|-------------|-------------|
| D1      | 001-7058-90 | AN1105W-RR  |
| D2      | 001-7058-90 | AN1105W-RR  |
| J1      | 074-1138-60 | 10P         |

| REF No. | PART No.    | DESCRIPTION |
|---------|-------------|-------------|
| Q1      | 060-4015-91 | PS1192HB    |
| Q2      | 060-4015-91 | PS1192HB    |
| S1      | 013-7414-50 | CHUCKING    |

| REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|------------------------|
| S2      | 013-7413-50 | LIMIT                  |
| PWB     | 039-1944-21 | PWB(WITHOUT COMPONENT) |