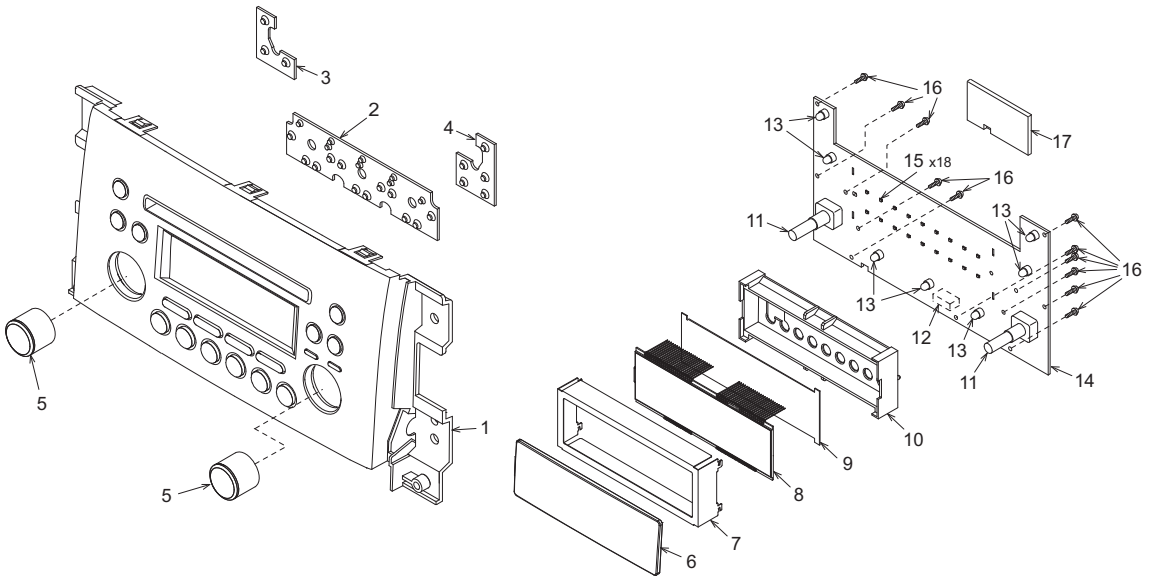
pin 66: CD BUS 1 :I/O: Data bus.
pin 67: CD BUS 0 :I/O: Data bus.
pin 68: CD RESET : O : CD IC reset pulse output.
pin 69: CD STB : O : Strobe signal output.
pin 70: CD REQEST : IN : CD request signal input.
pin 71: CD1.5V ON 1 : O : 1.5V Power supply ON signal output.
pin 72: GIX Req/CD SB : IN : GIX request input. CD Sub code block synchronous signal detection input.
pin 73: NU : - : Not in use.
pin 74: LCD RESET : O : Reset pulse output to the LCD.
pin 75: LCD CS : O : Chip select signal output to the LCD driver.
pin 76: LCD SCK : O : Clock pulse output to the LCD driver.
pin 77: LCD DATA :I/O: Serial data input/output for the LCD driver.
pin 78: LCD REQ : IN : The key interrupt request signal input from the LCD driver.
pin 79: VOL 1 L : IN : Volume control pulse input from the rotary encoder.
pin 80: VOL 2 L : IN : Volume control pulse input from the rotary encoder.
pin 81: VOL 1 R : IN : Volume control pulse input from the rotary encoder.
pin 82: VOL 2 R : IN : Volume control pulse input from the rotary encoder.
pin 83: SEL 1 : IN : L = 1CD, H = 6CD.
pin 84: SEL 2 : IN : L = YT4, H = YY3.
pin 85: SEL 3 : IN : L = without the switch.
pin 86: SEL 4 : IN : L = without the clock.
pin 87: POWER SW : IN : Power switch ON signal input.
pin 88: CD LOAD : IN : CD-loading detection signal input.
pin 89: CD EJECT : IN : CD eject switch signal input.
pin 90: NU : - : Not in use.
pin 91: NU : - : Not in use.
pin 92: NU : - : Not in use.
pin 93: S REMOCON : IN : Steering wheel remote controller input.
pin 94: A VSS : - : Analog ground.
pin 95: AUX/Tel/BTon : IN : The input terminal of the internal ADC.
pin 96: VREFI : IN : Reference voltage input.
pin 97: A VCC : - : Positive voltage supply for the internal analog section.
pin 98: SD/ST : IN : At receiving the FM station, this port detects the stereo signal. At seeking or scanning, this port detects the station detection signal.
pin 99: NU : - : Not in use.
pin100: PLL DI : IN : PLL serial data input.

# EXPLODED VIEW / PARTS LIST

## Escutcheon section

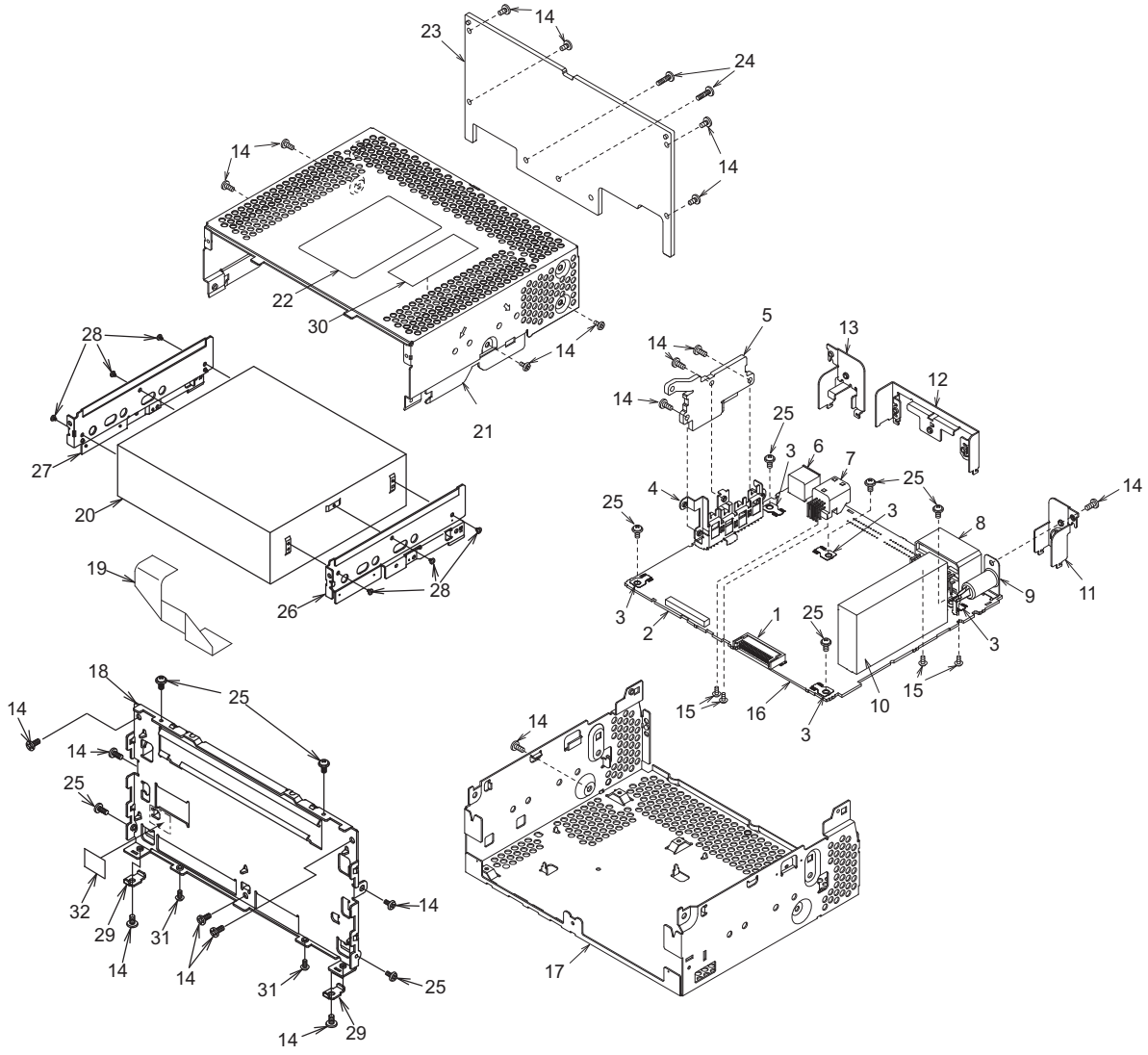



※ Some parts depend on each model. The model name is specified in the descripion.
PS-3180D-A/B : PS-3180D-A.PS3180D-B , PS-3180D-C/D : PS-3180D-C.PS-3180D-D
PS-3180D-A/C : PS-3180D-A.PS3181D-C , PS-3180D-B/D : PS-3180D-B.PS-3180D-D

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | 940-8229-02<br>940-8229-03 | ES-ASSY (PS-3180D-A/C)<br>ES-ASSY (PS-3180D-B/D) | 1<br>1 |
| 2 | 345-5782-11 | RUBBER SW (C) | 1 |
| 3 | 345-5783-00 | RUBBER SW (L) | 1 |
| 4 | 345-6227-00 | RUBBER SW (R) | 1 |
| 5 | 380-5610-00 | KNOB | 2 |
| 6 | 373-1175-00 | DIAL COVER | 1 |
| 7 | 331-4550-01 | LCD COVER | 1 |
| 8 | 379-1412-80<br>379-1429-50 | INDICATOR (LCD) (PS-3180D-A/B)<br>INDICATOR (LCD) (PS-3180D-C/D) | 1<br>1 |

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 9 | 335-8274-00 | COLOR FILTER | 1 |
| 10 | 335-8273-00 | LCD HOLDER | 1 |
| 11 | 016-0018-17 | VR W/SHAFT | 2 |
| 12 | 074-3013-74 | SOCKET (24P) | 1 |
| 13 | 017-0420-43 | PILOTLAMP (14V 40mA RED) | 7 |
| 14 | ---------- | Switch PWB | 1 |
| 15 | 001-7094-91 | LED(VFR1112H-TR) | 18 |
| 16 | 716-0778-51 | WAVE SCREW (2x6) | 11 |
| 17 | 345-6272-00 | PROTECTOR | 1 |

Main section




Note) The part number of SETPLATE is different in each model.

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | 076-3011-74 | PLUG (24P) | 1 |
| 2 | 074-1237-69 | OUTLET SOCKET | 1 |
| 3 | 073-0762-90 | TERMINAL | 5 |
| 4 | 331-4126-00 | TR HOLDER | 1 |
| 5 | 313-1966-00 | SUB HEAT SINK | 1 |
| 6 | 074-1194-00 | SOCKET (13P Ce-NET) | 1 |
| 7 | 074-1302-08 | SOCKET (8P) | 1 |
| 8 | 074-4007-20 | SOCKET (20P) | 1 |
| 9 | 092-0702-50 | ANT-RECEPT | 1 |
| 10 | 941-0221-70 | TUNER PACK | 1 |
| 11 | 331-4549-00 | ANT HOLDER | 1 |
| 12 | 331-4548-00 | IC HOLDER | 1 |
| 13 | 331-4547-00 | SOCKET HOLDER | 1 |
| 14 | 714-2606-8B | MACHINE SCREW (M2.6 x 6) | 20 |
| 15 | 778-3006-00 | TAP SCREW (3x6) | 4 |
| 16 | ---------- | Main PWB | 1 |
| 17 | 311-1919-70 | LOWER CASE | 1 |

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 18 | 309-0836-12 | ES PLATE | 1 |
| 19 | 816-4055-50 | FLAT WIRE (CD) | 1 |
| 20 | 929-0420-80 | CD-MECH (6CD) | 1 |
| 21 | 310-1826-60 | UPPER CASE | 1 |
| 22 | 286-6224-50<br>286-6224-51<br>276-0588-05<br>276-0588-06 | SETPLATE (PS-3180D-A)<br>SETPLATE (PS-3180D-B)<br>SETPLATE (PS-3180D-C)<br>SETPLATE (PS-3180D-D) | 1<br>1<br>1<br>1 |
| 23 | 313-1962-00 | HEAT SINK | 1 |
| 24 | 714-2610-89 | MACHINE SCREW (M2.6 x 10) | 2 |
| 25 | 716-0878-50 | IT SCREW (M2.6 x 5) | 9 |
| 26 | 331-4092-10 | MECH BRKT (R) | 1 |
| 27 | 331-4091-10 | MECH BRKT (L) | 1 |
| 28 | 716-3552-00 | SP-SCREW | 6 |
| 29 | 331-4193-20 | SU-PLATE | 2 |
| 30 | 285-1960-00 | GUIDE LABEL | 1 |
| 31 | 780-2603-06 | IT SCREW (M2.6x3) | 2 |
| 32 | 347-8651-00 | PROTECTOR | 1 |

# ELECTRICAL PARTS LIST

## Main PWB section (B1)

Note) PS-3180D-A/B : PS-3180D-A , PS-3180D-B . PS-3180D-C/D : PS-3180D-C , PS-3180D-D.

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| ANT101 | 092-0702-50 | ANT-RECEPT |
| BL101 | 941-0221-70 | AM/FM TUNER |
| C102 | 168-2232-55 | 0.022uF K |
| C103 | 168-2232-55 | 0.022uF K |
| C104 | 188-1073-28 | 10V 100uF |
| C105 | 168-1042-78 | 16V 0.1uF |
| C106 | 168-1042-78 | 16V 0.1uF |
| C107 | 188-1073-28 | 10V 100uF |
| C108 | 168-1042-78 | 16V 0.1uF |
| C109 | 168-2232-55 | 0.022uF K |
| C111 | 168-2232-55 | 0.022uF K |
| C112 | 168-4745-79 | 0.47uF Z |
| C113 | 168-8232-78 | 0.082uF K |
| C114 | 168-8232-78 | 0.082uF K |
| C121 | 166-1801-50 | 18pF CH |
| C122 | 188-4763-38 | 16V 47uF |
| C123 | 168-1022-55 | 1000pF K |
| C124 | 042-1458-90 | 50V 1uF LN |
| C126 | 166-1011-50 | 100pF CH |
| C127 | 166-1011-50 | 100pF CH |
| C128 | 166-1011-50 | 100pF CH |
| C129 | 166-1011-50 | 100pF CH |
| C130 | 168-2232-55 | 0.022uF K |
| C131 | 188-4763-38 | 16V 47uF |
| C133 | 168-1042-78 | 16V 0.1uF |
| C160 | 168-1042-78 | 16V 0.1uF |
| C212 | 188-4763-38 | 16V 47uF |
| C222 | 168-1042-78 | 16V 0.1uF |
| C241 | 168-2232-55 | 0.022uF K |
| C243 | 188-4763-38 | 16V 47uF |
| C244 | 168-1042-78 | 16V 0.1uF |
| C245 | 168-1042-78 | 16V 0.1uF |
| C274 | 189-2273-29 | 10V 220uF |
| C276 | 043-0328-90 | 0.1uF |
| C301 | 178-1052-78 | 1uF |
| C302 | 178-1052-78 | 1uF |
| C305 | 178-1052-78 | 1uF |
| C306 | 178-1052-78 | 1uF |
| C309 | 168-1232-55 | 0.012uF K |
| C310 | 168-1232-55 | 0.012uF K |
| C311 | 188-2253-68 | 50V 2.2uF |
| C312 | 188-2253-68 | 50V 2.2uF |
| C313 | 188-2253-68 | 50V 2.2uF |
| C314 | 188-2253-68 | 50V 2.2uF |
| C318 | 168-1522-55 | 1500pF K |
| C319 | 168-1522-55 | 1500pF K |
| C334 | 166-4711-50 | 470pF CH |
| C335 | 166-4711-50 | 470pF CH |
| C346 | 188-1073-28 | 10V 100uF |
| C352 | 168-1042-78 | 16V 0.1uF |
| C353 | 042-1562-65 | 10V 220uF |
| C354 | 166-2201-50 | 22pF CH |
| C355 | 166-2201-50 | 22pF CH |
| C356 | 166-1007-50 | 10pF CH |
| C357 | 166-1007-50 | 10pF CH |
| C358 | 188-1063-38 | 16V 10uF |
| C359 | 188-1063-38 | 16V 10uF |
| C360 | 188-1063-38 | 16V 10uF |
| C361 | 188-1063-38 | 16V 10uF |
| C391 | 168-1042-78 | 16V 0.1uF |
| C392 | 168-1042-78 | 16V 0.1uF |
| C393 | 168-1042-78 | 16V 0.1uF |
| C394 | 168-1042-78 | 16V 0.1uF |
| C395 | 168-1032-55 | 0.01uF K |
| C396 | 163-1053-65 | 50V 1uF |
| C397 | 042-1624-00 | 16V 4700uF |
| C398 | 163-1063-35 | 16V 10uF |
| C399 | 163-1053-65 | 50V 1uF |
| C400 | 166-2201-50 | 22pF CH |
| C401 | 166-3911-50 | 390pF CH |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C402 | 043-0570-90 | 16V 2.2uF K |
| C403 | 168-5632-78 | 16V 0.056uF |
| C404 | 043-0570-90 | 16V 2.2uF K |
| C405 | 188-1063-38 | 16V 10uF |
| C406 | 188-1073-28 | 10V 100uF |
| C407 | 168-1042-78 | 16V 0.1uF |
| C408 | 166-3911-50 | 390pF CH |
| C409 | 043-0570-90 | 16V 2.2uF K |
| C410 | 168-5632-78 | 16V 0.056uF |
| C411 | 043-0570-90 | 16V 2.2uF K |
| C412 | 168-1042-78 | 16V 0.1uF |
| C417 | 178-4742-78 | 0.47uF |
| C418 | 168-4722-55 | 4700pF K |
| C419 | 178-4742-78 | 0.47uF |
| C420 | 168-4722-55 | 4700pF K |
| C421 | 178-4742-78 | 0.47uF |
| C422 | 168-4722-55 | 4700pF K |
| C423 | 178-4742-78 | 0.47uF |
| C424 | 168-4722-55 | 4700pF K |
| C501 | 168-1042-78 | 16V 0.1uF |
| C502 | 188-4763-18 | 6.3V 47uF |
| C503 | 168-1032-55 | 0.01uF K |
| C504 | 168-1032-55 | 0.01uF K |
| C505 | 168-1032-55 | 0.01uF K |
| C506 | 168-1042-78 | 16V 0.1uF |
| C507 | 188-1053-68 | 50V 1uF |
| C509 | 168-1022-55 | 1000pF K |
| C510 | 168-1022-55 | 1000pF K |
| C511 | 168-1042-78 | 16V 0.1uF |
| C512 | 168-1032-55 | 0.01uF K |
| C513 | 189-1073-29 | 10V 100uF |
| C514 | 168-1042-78 | 16V 0.1uF |
| C515 | 166-1011-50 | 100pF CH |
| C516 | 188-1063-38 | 16V 10uF |
| C517 | 042-0559-00 | 5.5V 0.1F |
| C722 | 168-1042-78 | 16V 0.1uF |
| C731 | 172-1041-15 | 0.1uF |
| C732 | 188-1053-68 | 50V 1uF |
| C741 | 043-0328-90 | 0.1uF |
| C744 | 188-1073-28 | 10V 100uF |
| C761 | 188-1063-38 | 16V 10uF |
| C762 | 188-1063-38 | 16V 10uF |
| C771 | 188-1073-28 | 10V 100uF |
| C772 | 188-1063-38 | 16V 10uF |
| C791 | 188-4756-58 | 35V 4.7uF |
| C792 | 168-1042-78 | 16V 0.1uF |
| C811 | 172-1041-15 | 0.1uF |
| C821 | 188-1063-38 | 16V 10uF |
| CCT501 | 050-0140-54 | 1/32W 1k ohm x4J |
| CCT504 | 050-0140-54 | 1/32W 1k ohm x4J |
| CCT505 | 050-0140-54 | 1/32W 1k ohm x4J |
| D391 | 001-0580-90 | 1SS352 |
| D505 | 001-0580-90 | 1SS352 |
| D506 | 001-2403-90 | M1F60 |
| D507 | 001-4301-25 | HZU4.7B1 |
| D508 | 001-0466-90 | S5688B |
| D509 | 001-0504-36 | HZS7 A1L |
| D701 | 001-0424-31 | MA4180 |
| D702 | 001-0424-31 | MA4180 |
| D703 | 001-0424-31 | MA4180 |
| D711 | 001-0466-90 | S5688B |
| D712 | 001-0466-90 | S5688B |
| D731 | 001-0466-90 | S5688B |
| D761 | 001-0504-39 | HZS7 B2L (PS-3180D-A/B) |
| D761 | 001-0504-40 | HZS7 B3L (PS-3180D-C/D) |
| D771 | 001-0347-44 | MA4082M |
| D801 | 001-0592-00 | RM4Z |
| D851 | 001-4301-68 | HZU18B1 |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| IC121 | 051-6212-18 | LC72191JM-UC |
| IC241 | 051-3367-90 | NJU7780U1-33-TE2 |
| IC272 | 051-3334-00 | NJM2396F09 |
| IC351 | 051-3034-90 | NJM4558V |
| IC391 | 051-2040-00 | TA8276H |
| IC401 | 051-5046-90 | CL7639V20 |
| IC501 | 052-3220-02 | M30624MHP-E63GP |
| IC502 | 051-0869-58 | NJM2103M |
| IC503 | 051-9402-68 | BR93L56F-W |
| IC504 | 051-6600-58 | HA12187FP |
| IC741 | 051-3369-00 | NJM2388F84 |
| J241 | 074-1237-69 | 19PIN |
| J701 | 074-1194-00 | 13P CE-NET |
| J721 | 074-1302-08 | TH8P-SOCKET |
| J801 | 074-4007-20 | 20P |
| L101 | 010-2003-04 | 30uH |
| L102 | 010-6009-76 | 22uH J |
| L103 | 010-6009-76 | 22uH J |
| L122 | 010-6009-76 | 22uH J |
| L501 | 010-6009-76 | 22uH J |
| L502 | 010-6009-76 | 22uH J |
| L801 | 010-8026-00 | 210uH |
| P501 | 076-3011-74 | 24P |
| Q121 | 191-1197-50 | 2SB1197K Q,R |
| Q122 | 191-1197-50 | 2SB1197K Q,R |
| Q123 | 191-1197-50 | 2SB1197K Q,R |
| Q124 | 192-4116-51 | 2SC4116 G,L |
| Q125 | 192-4116-51 | 2SC4116 G,L |
| Q241 | 125-0021-91 | DTA114EUA |
| Q242 | 125-2027-91 | DTC114EUA |
| Q243 | 193-0601-00 | 2SD601A |
| Q244 | 192-4116-51 | 2SC4116 G,L |
| Q245 | 125-2027-91 | DTC114EUA |
| Q246 | 125-0021-91 | DTA114EUA |
| Q247 | 125-2027-91 | DTC114EUA |
| Q248 | 198-3018-00 | 2SK3018 |
| Q249 | 198-3018-00 | 2SK3018 |
| Q391 | 125-2027-93 | DTC144EUA |
| Q502 | 190-2071-00 | 2SA2071 T100 |
| Q503 | 192-4116-51 | 2SC4116 G,L |
| Q504 | 192-4116-51 | 2SC4116 G,L |
| Q505 | 192-4116-51 | 2SC4116 G,L |
| Q506 | 193-2118-50 | 2SD2118F5 R,S |
| Q701 | 192-4116-51 | 2SC4116 G,L |
| Q711 | 190-2071-00 | 2SA2071 T100 |
| Q712 | 192-4116-51 | 2SC4116 G,L |
| Q761 | 192-5810-00 | 2SC5810 TE12L |
| Q762 | 125-0021-91 | DTA114EUA |
| Q763 | 125-2027-91 | DTC114EUA |
| Q771 | 192-5886-00 | 2SC5886 |
| Q775 | 192-4116-51 | 2SC4116 G,L |
| Q776 | 125-0021-91 | DTA114EUA |
| Q777 | 125-2027-91 | DTC114EUA |
| Q791 | 192-4116-51 | 2SC4116 G,L |
| Q792 | 192-4116-51 | 2SC4116 G,L |
| Q793 | 192-4116-51 | 2SC4116 G,L |
| Q821 | 190-2071-00 | 2SA2071 T100 |
| Q822 | 192-4116-51 | 2SC4116 G,L |
| R101 | 119-0000-05 | 1/10W 0 ohm JW |
| R102 | 119-0000-05 | 1/10W 0 ohm JW |
| R103 | 119-1041-15 | 1/10W 100k ohm |
| R104 | 119-2221-15 | 1/10W 2.2k ohm |
| R105 | 119-6811-15 | 1/10W 680 ohm |
| R106 | 119-2221-15 | 1/10W 2.2k ohm |
| R107 | 116-1001-15 | 1/4W 10 ohm |
| R108 | 119-2231-15 | 1/10W 22k ohm |
| R109 | 119-6821-15 | 1/10W 6.8k ohm |
| R111 | 166-8201-50 | 82pF CH |
| R122 | 119-3321-15 | 1/10W 3.3k ohm |
| R123 | 119-4721-15 | 1/10W 4.7k ohm |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| R124 | 119-2221-15 | 1/10W 2.2k ohm |
| R125 | 119-1021-15 | 1/10W 1k ohm |
| R126 | 119-0000-05 | 1/10W 0 ohm JW |
| R127 | 119-5631-15 | 1/10W 56k ohm |
| R128 | 119-4731-15 | 1/10W 47k ohm |
| R129 | 119-4731-15 | 1/10W 47k ohm |
| R130 | 119-2221-15 | 1/10W 2.2k ohm |
| R131 | 119-1031-15 | 1/10W 10k ohm |
| R132 | 119-1031-15 | 1/10W 10k ohm |
| R133 | 119-2221-15 | 1/10W 2.2k ohm |
| R134 | 119-2221-15 | 1/10W 2.2k ohm |
| R135 | 119-1031-15 | 1/10W 10k ohm |
| R242 | 119-4731-15 | 1/10W 47k ohm |
| R243 | 119-1021-15 | 1/10W 1k ohm |
| R245 | 119-3331-15 | 1/10W 33k ohm |
| R246 | 119-4731-15 | 1/10W 47k ohm |
| R248 | 119-1041-15 | 1/10W 100k ohm |
| R250 | 119-3331-15 | 1/10W 33k ohm |
| R253 | 119-4731-15 | 1/10W 47k ohm |
| R255 | 119-3331-15 | 1/10W 33k ohm |
| R256 | 119-0000-05 | 1/10W 0 ohm JW |
| R258 | 119-4731-15 | 1/10W 47k ohm |
| R271 | 119-4731-15 | 1/10W 47k ohm |
| R276 | 119-0000-05 | 1/10W 0 ohm JW |
| R301 | 119-1021-15 | 1/10W 1k ohm |
| R302 | 119-1021-15 | 1/10W 1k ohm |
| R305 | 119-1021-15 | 1/10W 1k ohm |
| R306 | 119-1021-15 | 1/10W 1k ohm |
| R309 | 119-1031-15 | 1/10W 10k ohm |
| R310 | 119-1031-15 | 1/10W 10k ohm |
| R311 | 119-5631-15 | 1/10W 56k ohm |
| R312 | 119-5631-15 | 1/10W 56k ohm |
| R313 | 119-5631-15 | 1/10W 56k ohm |
| R314 | 119-5631-15 | 1/10W 56k ohm |
| R323 | 119-0000-05 | 1/10W 0 ohm JW |
| R324 | 119-0000-05 | 1/10W 0 ohm JW |
| R325 | 119-0000-05 | 1/10W 0 ohm JW |
| R326 | 119-0000-05 | 1/10W 0 ohm JW |
| R351 | 119-8211-15 | 1/10W 820 ohm |
| R352 | 119-1021-15 | 1/10W 1k ohm |
| R353 | 032-0140-50 | 1/10W 10k ohm F |
| R354 | 032-0140-50 | 1/10W 10k ohm F |
| R355 | 032-0140-50 | 1/10W 10k ohm F |
| R356 | 032-0140-50 | 1/10W 10k ohm F |
| R357 | 032-0140-50 | 1/10W 10k ohm F |
| R358 | 032-0140-50 | 1/10W 10k ohm F |
| R359 | 032-0140-50 | 1/10W 10k ohm F |
| R360 | 032-0140-50 | 1/10W 10k ohm F |
| R391 | 119-5631-15 | 1/10W 56k ohm |
| R392 | 119-1221-15 | 1/10W 1.2k ohm |
| R393 | 119-2221-15 | 1/10W 2.2k ohm |
| R394 | 119-2221-15 | 1/10W 2.2k ohm |
| R395 | 119-2221-15 | 1/10W 2.2k ohm |
| R396 | 119-2221-15 | 1/10W 2.2k ohm |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| R397 | 119-1031-15 | 1/10W 10k ohm |
| R400 | 119-1031-15 | 1/10W 10k ohm |
| R401 | 119-2731-15 | 1/10W 27k ohm |
| R402 | 119-2021-15 | 1/10W 2k ohm |
| R403 | 119-2731-15 | 1/10W 27k ohm |
| R404 | 119-2021-15 | 1/10W 2k ohm |
| R405 | 119-0000-05 | 1/10W 0 ohm JW |
| R502 | 119-4721-15 | 1/10W 4.7k ohm |
| R503 | 119-4721-15 | 1/10W 4.7k ohm |
| R504 | 119-4721-15 | 1/10W 4.7k ohm |
| R510 | 119-4721-15 | 1/10W 4.7k ohm |
| R511 | 119-4721-15 | 1/10W 4.7k ohm |
| R512 | 119-4721-15 | 1/10W 4.7k ohm |
| R513 | 119-4721-15 | 1/10W 4.7k ohm |
| R514 | 119-1021-15 | 1/10W 1k ohm |
| R515 | 119-1041-15 | 1/10W 100k ohm |
| R516 | 119-1041-15 | 1/10W 100k ohm |
| R517 | 116-1001-15 | 1/4W 10 ohm |
| R520 | 119-4731-15 | 1/10W 47k ohm |
| R521 | 119-4731-15 | 1/10W 47k ohm |
| R522 | 119-4731-15 | 1/10W 47k ohm |
| R527 | 119-4721-15 | 1/10W 4.7k ohm |
| R528 | 032-0140-66 | 1/10W 220 ohm F |
| R529 | 119-1031-15 | 1/10W 10k ohm |
| R530 | 119-1041-15 | 1/10W 100k ohm |
| R531 | 119-1031-15 | 1/10W 10k ohm |
| R532 | 119-4721-15 | 1/10W 4.7k ohm |
| R533 | 119-4721-15 | 1/10W 4.7k ohm |
| R534 | 119-1021-15 | 1/10W 1k ohm |
| R535 | 119-1031-15 | 1/10W 10k ohm |
| R536 | 119-2221-15 | 1/10W 2.2k ohm |
| R537 | 119-1031-15 | 1/10W 10k ohm |
| R538 | 119-1031-15 | 1/10W 10k ohm |
| R539 | 119-1031-15 | 1/10W 10k ohm |
| R540 | 119-4731-15 | 1/10W 47k ohm |
| R541 | 119-5621-15 | 1/10W 5.6k ohm |
| R542 | 119-2231-15 | 1/10W 22k ohm |
| R544 | 119-4731-15 | 1/10W 47k ohm |
| R545 | 119-6831-15 | 1/10W 68k ohm |
| R546 | 119-1021-15 | 1/10W 1k ohm |
| R547 | 119-1021-15 | 1/10W 1k ohm |
| R548 | 119-1031-15 | 1/10W 10k ohm |
| R549 | 119-3341-15 | 1/10W 330k ohm |
| R550 | 032-0140-22 | 1/10W 68k ohm F |
| R551 | 032-0140-00 | 1/10W 56k ohm F |
| R552 | 117-6821-15 | 1/8W 6.8k ohm |
| R553 | 119-4731-15 | 1/10W 47k ohm |
| R554 | 119-4731-15 | 1/10W 47k ohm |
| R555 | 119-5621-15 | 1/10W 5.6k ohm |
| R556 | 119-1021-15 | 1/10W 1k ohm |
| R557 | 119-4731-15 | 1/10W 47k ohm |
| R558 | 119-1031-15 | 1/10W 10k ohm |
| R567 | 119-4731-15 | 1/10W 47k ohm |
| R570 | 119-4731-15 | 1/10W 47k ohm |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| R572 | 119-4731-15 | 1/10W 47k ohm |
| R573 | 119-4731-15 | 1/10W 47k ohm |
| R577 | 119-4731-15 | 1/10W 47k ohm |
| R701 | 116-1211-15 | 1/4W 120 ohm |
| R702 | 116-6801-15 | 1/4W 68 ohm |
| R703 | 119-2231-15 | 1/10W 22k ohm |
| R704 | 119-2231-15 | 1/10W 22k ohm |
| R711 | 116-2221-15 | 1/4W 2.2k ohm |
| R712 | 117-1031-15 | 1/8W 10k ohm |
| R713 | 116-2221-15 | 1/4W 2.2k ohm |
| R714 | 119-1031-15 | 1/10W 10k ohm |
| R715 | 119-3321-15 | 1/10W 3.3k ohm |
| R726 | 119-1021-15 | 1/10W 1k ohm |
| R731 | 116-5621-15 | 1/4W 5.6k ohm |
| R732 | 116-4721-15 | 1/4W 4.7k ohm |
| R761 | 032-0092-56 | 1/8W 22k ohm F |
| R762 | 032-0092-31 | 1/8W 150k ohm F |
| R763 | 032-0092-51 | 1/8W 1k ohm F |
| R764 | 119-1221-15 | 1/10W 1.2k ohm |
| R773 | 116-1021-15 | 1/4W 1k ohm |
| R779 | 116-1821-15 | 1/4W 1.8k ohm |
| R780 | 117-1821-15 | 1/8W 1.8k ohm |
| R791 | 119-0000-05 | 1/10W 0 ohm JW |
| R792 | 116-4721-15 | 1/4W 4.7k ohm |
| R795 | 119-4721-15 | 1/10W 4.7k ohm |
| R796 | 116-5611-15 | 1/4W 560 ohm |
| R797 | 119-4721-15 | 1/10W 4.7k ohm |
| R798 | 119-4721-15 | 1/10W 4.7k ohm |
| R799 | 119-1831-15 | 1/10W 18k ohm |
| R801 | 119-0000-05 | 1/10W 0 ohm JW |
| R802 | 119-0000-05 | 1/10W 0 ohm JW |
| R821 | 116-4721-15 | 1/4W 4.7k ohm |
| R822 | 119-3321-15 | 1/10W 3.3k ohm |
| R823 | 119-1031-15 | 1/10W 10k ohm |
| R824 | 116-2221-15 | 1/4W 2.2k ohm |
| R825 | 116-2221-15 | 1/4W 2.2k ohm |
| R826 | 119-8221-15 | 1/10W 8.2k ohm |
| R902 | 119-0000-05 | 1/10W 0 ohm JW |
| R906 | 119-0000-05 | 1/10W 0 ohm JW |
| SUP101 | 060-0122-20 | DSP-141N-S00B |
| TC121 | 004-1580-10 | 30pF GRN |
| TH711 | 002-0318-21 | THERMISTOR |
| TM101 | 073-0762-90 | TERMINAL |
| TM501 | 073-0762-90 | TERMINAL |
| TM502 | 073-0762-90 | TERMINAL |
| TM801 | 073-0762-90 | TERMINAL |
| TM802 | 073-0762-90 | TERMINAL |
| X121 | 061-1066-00 | 7.2MHz |
| X501 | 060-1533-90 | CSTCE10M0G52-RO |
| PWB | 039-3295-00 | PWB(WITHOUT COMPONENT) |

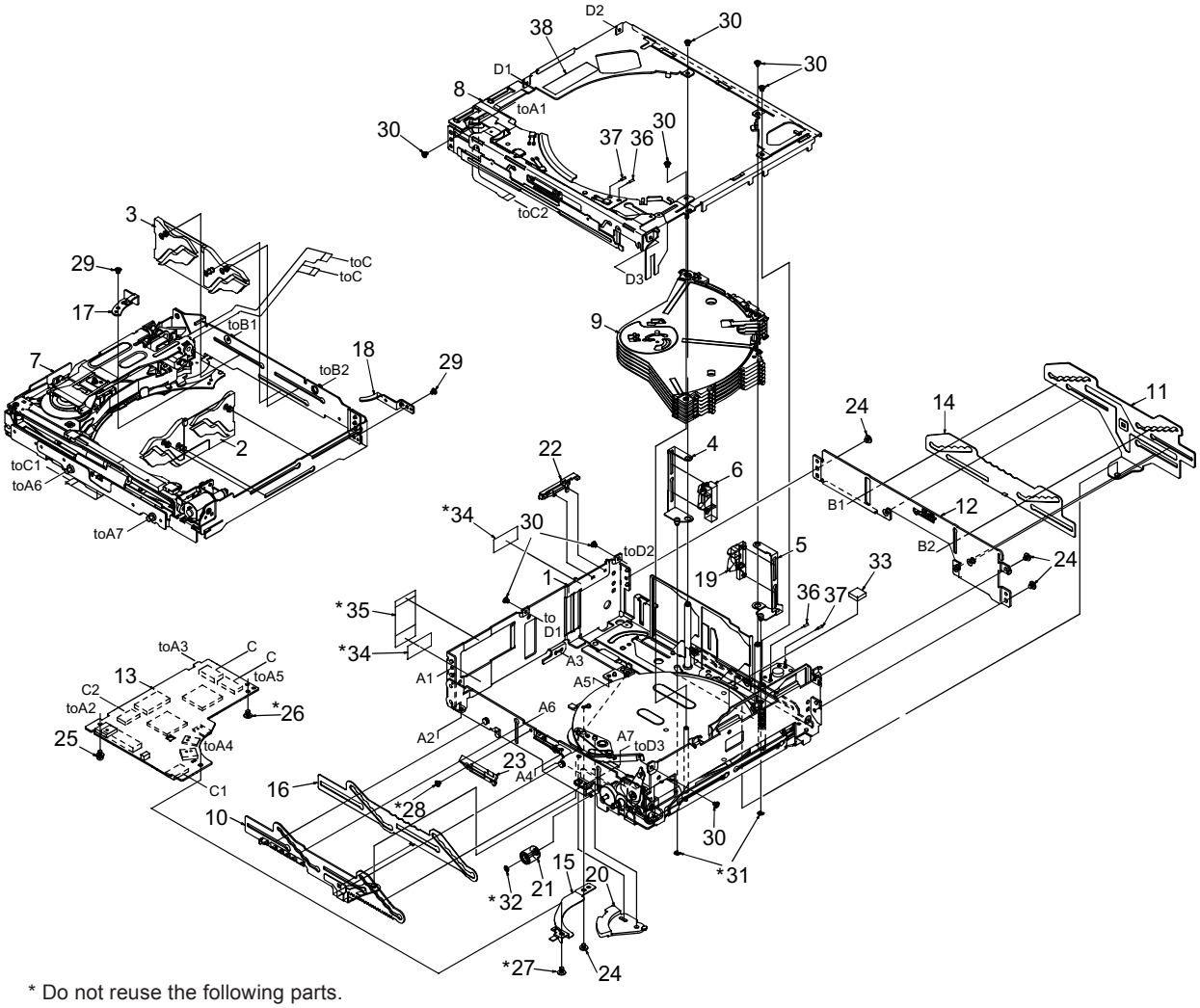
## Switch PWB section (B2)

Note) PS-3180D-A/B : PS-3180D-A , PS-3180D-B . PS-3180D-C/D : PS-3180D-C , PS-3180D-D.

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C901 | 168-1042-78 | 16V 0.1uF |
| C902 | 168-1042-78 | 16V 0.1uF |
| C903 | 168-1042-78 | 16V 0.1uF |
| C904 | 168-1042-78 | 16V 0.1uF |
| C905 | 168-1042-78 | 16V 0.1uF |
| C906 | 178-1052-78 | 1uF |
| D901 | 001-0580-90 | 1SS352 |
| D902 | 001-0580-90 | 1SS352 |
| D903 | 001-0580-90 | 1SS352 |
| D904 | 001-0580-90 | 1SS352 |
| D905 | 001-7094-91 | VFR1112H-TR |
| D906 | 001-7094-91 | VFR1112H-TR |
| D907 | 001-7094-91 | VFR1112H-TR |
| D908 | 001-7094-91 | VFR1112H-TR |
| D909 | 001-7094-91 | VFR1112H-TR |
| D910 | 001-7094-91 | VFR1112H-TR |
| D911 | 001-7094-91 | VFR1112H-TR |
| D912 | 001-7094-91 | VFR1112H-TR |
| D913 | 001-7094-91 | VFR1112H-TR |
| D914 | 001-0580-90 | 1SS352 |
| D915 | 001-7094-91 | VFR1112H-TR |
| D916 | 001-7094-91 | VFR1112H-TR |
| D917 | 001-7094-91 | VFR1112H-TR |
| D918 | 001-7094-91 | VFR1112H-TR |
| D919 | 001-7094-91 | VFR1112H-TR |
| D920 | 001-7094-91 | VFR1112H-TR |
| D921 | 001-7094-91 | VFR1112H-TR |
| D922 | 001-7094-91 | VFR1112H-TR |
| D923 | 001-7094-91 | VFR1112H-TR |
| IC901 | 051-6084-00 | NJU6625FG1-03 |
| J901 | 074-3013-74 | 24P |
| L901 | 010-3406-66 | 22uH J |
| LCD901 | 379-1412-80 | INDICATOR (LCD) (PS-3180D-A/B) |
| LCD901 | 379-1429-50 | INDICATOR (LCD) (PS-3180D-C/D) |
| PL901 | 017-0420-43 | 14V 40mA RED |
| PL902 | 017-0420-43 | 14V 40mA RED |
| PL903 | 017-0420-43 | 14V 40mA RED |
| PL904 | 017-0420-43 | 14V 40mA RED |
| PL905 | 017-0420-43 | 14V 40mA RED |
| PL907 | 017-0420-43 | 14V 40mA RED |
| PL908 | 017-0420-43 | 14V 40mA RED |
| R901 | 119-0000-05 | 1/10W 0 ohm JW |
| R902 | 119-0000-05 | 1/10W 0 ohm JW |
| R907 | 119-0000-05 | 1/10W 0 ohm JW |
| R908 | 119-0000-05 | 1/10W 0 ohm JW |
| R909 | 119-0000-05 | 1/10W 0 ohm JW |
| R910 | 119-0000-05 | 1/10W 0 ohm JW |
| R914 | 119-0000-05 | 1/10W 0 ohm JW |
| R917 | 119-0000-05 | 1/10W 0 ohm JW |
| R918 | 119-4341-15 | 1/10W 430k ohm |
| R919 | 119-1021-15 | 1/10W 1k ohm |
| R920 | 119-1021-15 | 1/10W 1k ohm |
| R921 | 119-1841-15 | 1/10W 180k ohm |
| R922 | 119-1841-15 | 1/10W 180k ohm |
| R923 | 119-1841-15 | 1/10W 180k ohm |
| R924 | 119-1841-15 | 1/10W 180k ohm |
| R925 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R925 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R926 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R926 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R927 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R927 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-A/B) |
| R928 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R928 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R929 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R929 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R930 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R930 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-C/D) |
| R931 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R931 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R932 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R932 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R933 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R933 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-C/D) |
| R934 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R934 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R935 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R935 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R936 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R936 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-C/D) |
| R937 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R937 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R938 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R938 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R939 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R939 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-C/D) |
| R941 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R941 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R942 | 119-2211-15 | 1/10W 220 ohm (PS-3180D-A/B) |
| R942 | 119-2711-15 | 1/10W 270 ohm (PS-3180D-C/D) |
| R943 | 119-2411-15 | 1/10W 240 ohm (PS-3180D-A/B) |
| R943 | 119-3011-15 | 1/10W 300 ohm (PS-3180D-C/D) |
| TH901 | 002-0315-00 | TN10-3U153JT |
| VR901 | 016-0018-17 | VR W/SHAFT |
| VR902 | 016-0018-17 | VR W/SHAFT |
| VR903 | 012-6004-63 | 470k ohm B VR |
| PWB | 039-3292-00 | PWB(WITHOUT COMPONENT) |

# EXPLODED VIEW/PARTS LIST

Main section

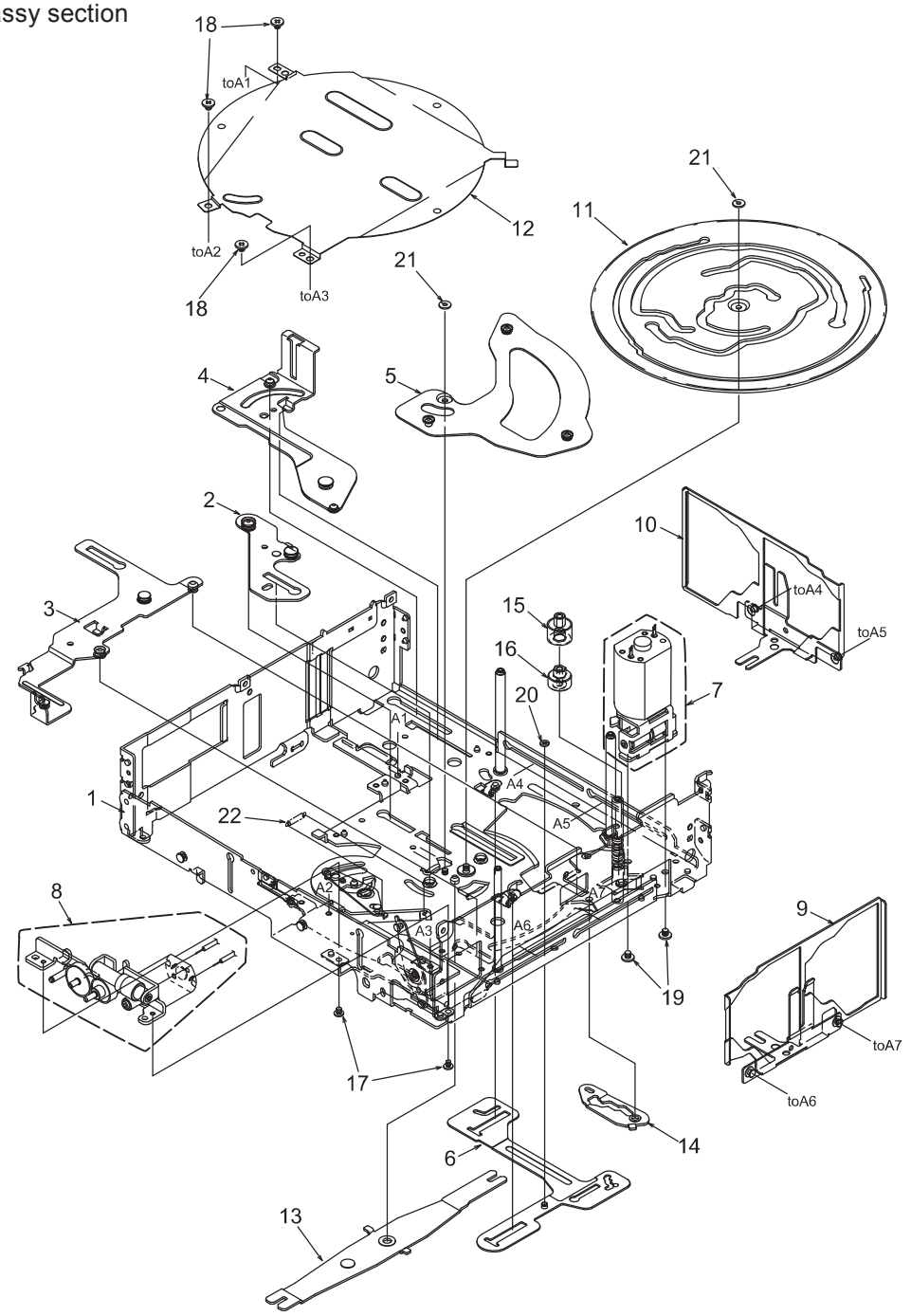



* Do not reuse the following parts.
(No.26,27,28,31,32,34,35)

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | ---------- | LOWER UNIT ASSY | 1 |
| 2 | HBS-617-100 | KUSABI-ASSY-S | 1 |
| 3 | HBS-618-100 | KUSABI-ASSY-R | 1 |
| 4 | 966-1846-20 | DS-SP-ASSY L | 1 |
| 5 | 966-1847-21 | DS-SP ASSY R | 1 |
| 6 | 966-0667-21 | DISC STP-ASSY L | 1 |
| 7 | 966-1844-21 | DRIVE-CH UNIT | 1 |
| 8 | 966-1840-22 | UPPER UNIT ASSY | 1 |
| 9 | HBS-602-100 | DISCHOLDER UNIT | 1 |
| 10 | 966-1771-21 | SLIDE-P-ASSY | 1 |
| 11 | 966-1814-21 | SLIDE-P-ASSY-R | 1 |
| 12 | 966-1874-20 | REAR-P-ASSY R | 1 |
| 13 | HBS-631-100 | CD PWB ASSY | 1 |
| 14 | 620-1662-21 | GAP PLATE R | 1 |
| 15 | 620-1640-20 | SW-H-PLATE | 1 |
| 16 | 620-1778-21 | GAP PLATE F | 1 |
| 17 | 620-1685-21 | DS-PLATE L | 1 |
| 18 | 620-1686-20 | DS-PLATE R | 1 |
| 19 | 621-1815-20 | DISC STOPPER R | 1 |

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 20 | 621-1812-20 | SW LINK | 1 |
| 21 | 621-1765-20 | UD-GEAR-D | 1 |
| 22 | 621-1715-20 | FPC-STOPPER | 1 |
| 23 | 621-1736-20 | UD-GEAR-B | 1 |
| 24 | 716-1850-01 | SCREW(M2.0x2) | 4 |
| 25 | 716-3598-00 | SCREW(M2.0x4) | 1 |
| 26 | 716-3599-00 | SCREW(M2.0x2 sealock) | 1 |
| 27 | 716-3600-00 | SCREW(M2.0x3 sealock) | 1 |
| 28 | 716-3601-00 | SCREW(M1.7x2 sealock) | 1 |
| 29 | 716-3450-00 | SCREW(M1.7x2.0) | 2 |
| 30 | 716-3451-01 | SCREW(M1.7x2.5) | 8 |
| 31 | 744-0045-01 | C-RING | 2 |
| 32 | 746-0761-00 | WASHER | 1 |
| 33 | 345-5824-00 | RUBBER PART | 1 |
| 34 | 347-8230-00 | PROTECT SHEET | 2 |
| 35 | 347-8219-00 | FPC-SHEET N | 1 |
| 36 | 800-4921-60 | VINYL-COAT-WIRE | 1 |
| 37 | 802-4921-60 | VINYL-COAT-WIRE | 1 |
| 38 | 293-8575-00 | MECH LABEL | 1 |

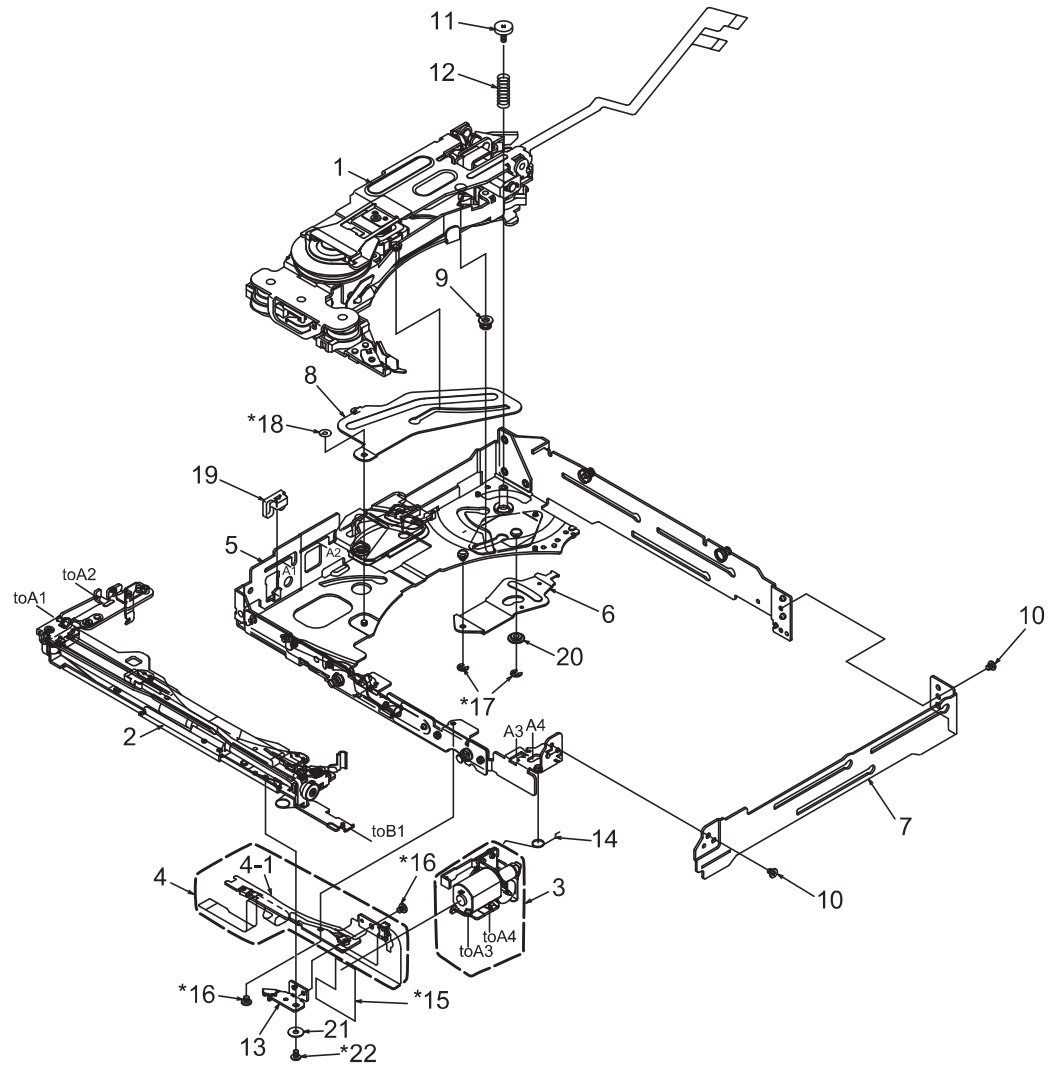
Lower unit assy section




| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | 966-1834-24 | LOWER-C-ASSY | 1 |
| 2 | 966-0658-22 | DH-SP-ASSY | 1 |
| 3 | 966-1836-20 | TATSU-P-ASSY | 1 |
| 4 | 966-1832-20 | D-SHT PL-B-ASSY | 1 |
| 5 | 966-0659-22 | DH-SP-ASSY B | 1 |
| 6 | 966-1835-92 | DS-SP-ASSY | 1 |
| 7 | HBS-622-100 | M-MTR SUB ASSY | 1 |
| 8 | HBS-616-100 | UD-MOTOR-ASSY | 1 |
| 9 | 966-1872-20 | INITIAL ASSY S | 1 |
| 10 | 966-1873-20 | INITIAL ASSY R | 1 |
| 11 | 620-1623-24 | CAM GEAR | 1 |

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 12 | 620-1624-24 | GEAR COVER | 1 |
| 13 | 620-1848-21 | UD LINK | 1 |
| 14 | 620-1847-91 | DS-SHIFT LINK | 1 |
| 15 | 621-1811-21 | M-GEAR B | 1 |
| 16 | 621-0733-20 | M-GEAR C | 1 |
| 17 | 716-3451-01 | SCREW(M1.7x2.5) | 2 |
| 18 | 716-1850-01 | SCREW(M2.0x2.0) | 3 |
| 19 | 716-1851-03 | SCREW(M2.0x3.0) | 2 |
| 20 | 746-0870-00 | WASHER | 1 |
| 21 | 746-0768-00 | WASHER | 2 |
| 22 | 750-6756-21 | SW-L-SPRING | 1 |

Drive-CH unit section

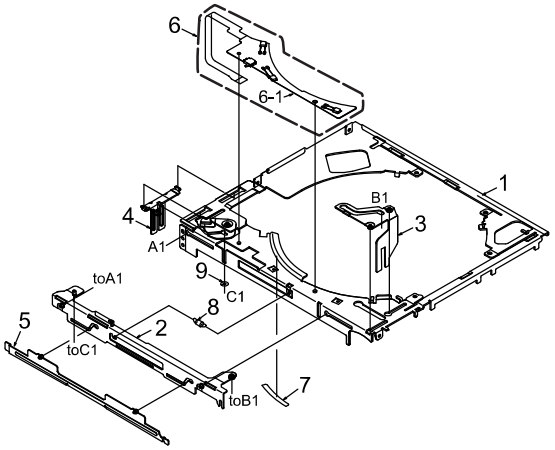



* Do not reuse the following parts.
(No.15,16,17,18,22)

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | HBS-620-100 | DRIVE UNIT | 1 |
| 2 | HBS-612-100 | LOADING-U-ASSY | 1 |
| 3 | HBS-615-100 | LO-MOTOR-S-ASSY | 1 |
| 4 | HBS-614-100 | L-SEN-FPC-ASSY | 1 |
| 4-1 | ---------- | SENSOR-L-FPC | 1 |
| 5 | 966-1828-22 | DRIVE-CH A-ASSY | 1 |
| 6 | 620-1838-21 | D-SHIFT LINK A | 1 |
| 7 | 620-1837-20 | DRIVE CHASSIS B | 1 |
| 8 | 620-1836-20 | DR-SUPPORT-PL | 1 |
| 9 | 622-1743-21 | D-SHIFT ROLLERB | 1 |
| 10 | 716-3450-00 | SCREW(M1.7x2) | 2 |
| 11 | 716-3603-00 | SCREW(M1.7x5) | 1 |

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 12 | 750-6852-20 | DRIVE SPRING A | 1 |
| 13 | 620-1831-21 | S-PWB PLATE | 1 |
| 14 | 750-6754-20 | LO-ES-SPRING B | 1 |
| 15 | 345-5424-01 | SEN-FPC GUIDE | 1 |
| 16 | 716-3601-00 | SCREW(M1.7x2 sealock) | 2 |
| 17 | 743-1500-1B | E-RING | 2 |
| 18 | 746-0870-00 | WASHER | 1 |
| 19 | 621-1807-00 | RUBBER PART | 1 |
| 20 | 622-1850-20 | D-SHIFT ROLLERE | 1 |
| 21 | 347-8392-00 | FPC WASHER | 1 |
| 22 | 716-3451-02 | SCREW(M1.7x2.5 sealock) | 1 |

Upper unit assy section



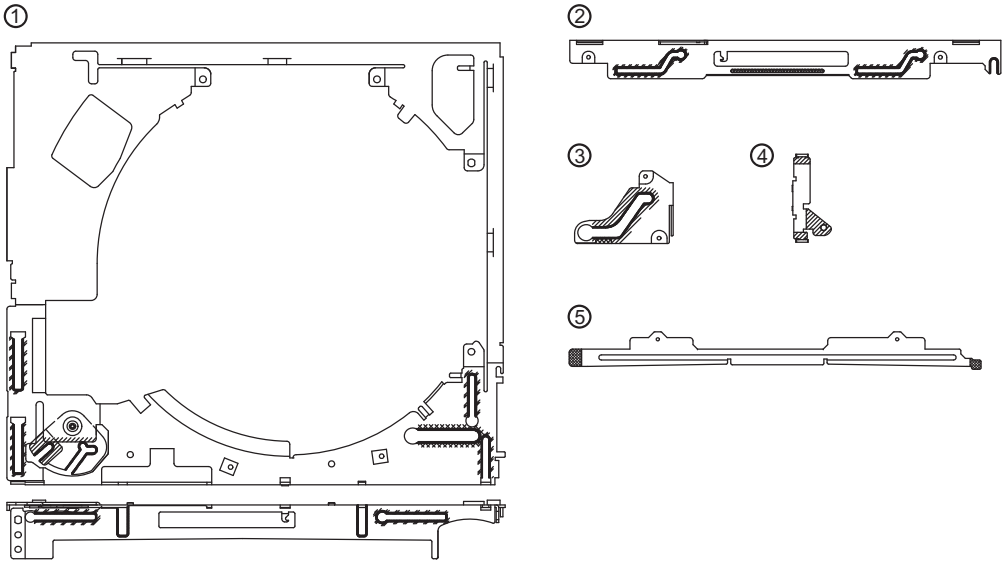

* Do not reuse the following parts.
(No.6,7,9)

| NO. | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 1 | 966-1823-21 | UPPER-CHA-ASSY | 1 |
| 2 | 966-1824-20 | LO-SHIFT A ASSY | 1 |
| 3 | 966-1791-20 | LO-SHIFT B ASSY | 1 |
| 4 | 966-1825-20 | LO-SHIFT C ASSY | 1 |
| 5 | 966-1826-20 | SHUTTER ASSY | 1 |
| 6 | HBS-613-100 | U-SEN-FPC-ASSY | 1 |
| 6-1 | ---------- | SENSOR-U-FPC | 1 |
| 7 | 347-8216-00 | RATTLE SHEET | 1 |
| 8 | 750-6850-20 | SHUTTER SPRING | 1 |
| 9 | 746-0870-00 | WASHER | 1 |

**[Grease Point]**

* Grease : SANKOL FG-87HSR

| | |
|---|---|
| Put grease on the surface | |
| Put grease on the reverse side | |
| Put grease on the both sides | |
| Put grease on the edge | |




# ELECTRICAL PARTS LIST

## CD PWB(BM1) section

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C1 | 168-1052-78 | 16V 1uF |
| C3 | 168-1042-78 | 16V 0.1uF |
| C4 | 043-0559-90 | 6.3V 22uF |
| C5 | 168-1032-55 | 0.01uF K |
| C6 | 042-1702-90 | 6.3V 100uF |
| C7 | 168-1052-78 | 16V 1uF |
| C9 | 168-1052-78 | 16V 1uF |
| C11 | 168-1052-78 | 16V 1uF |
| C12 | 042-0671-01 | 10V 47uF TA |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C13 | 168-1052-78 | 16V 1uF |
| C14 | 168-1042-78 | 16V 0.1uF |
| C15 | 168-1052-78 | 16V 1uF |
| C16 | 043-0559-90 | 6.3V 22uF |
| C17 | 168-1032-55 | 0.01uF K |
| C18 | 168-1052-78 | 16V 1uF |
| C19 | 043-0559-90 | 6.3V 22uF |
| C20 | 168-1042-78 | 16V 0.1uF |
| C21 | 168-1032-55 | 0.01uF K |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C22 | 168-1052-78 | 16V 1uF |
| C25 | 168-4732-78 | 0.047uF K |
| C26 | 166-4711-50 | 470pF CH |
| C27 | 168-1052-78 | 16V 1uF |
| C28 | 168-4732-78 | 0.047uF K |
| C29 | 166-4711-50 | 470pF CH |
| C30 | 166-1007-50 | 10pF CH |
| C31 | 166-1007-50 | 10pF CH |
| C32 | 168-1042-78 | 16V 0.1uF |

Note) Several different parts of the same reference number are alternative parts.
One of those parts is used in the set.

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| C33 | 168-2222-55 | 2200pF K |
| C34 | 168-1042-78 | 16V 0.1uF |
| C35 | 168-1042-78 | 16V 0.1uF |
| C36 | 168-1042-78 | 16V 0.1uF |
| C37 | 168-6822-55 | 6800pF K |
| C39 | 168-1042-78 | 16V 0.1uF |
| C40 | 168-3332-78 | 0.033uF K |
| C41 | 168-1042-78 | 16V 0.1uF |
| C42 | 168-1042-78 | 16V 0.1uF |
| C43 | 168-1042-78 | 16V 0.1uF |
| C45 | 168-1042-78 | 16V 0.1uF |
| C46 | 168-1042-78 | 16V 0.1uF |
| C48 | 168-1042-78 | 16V 0.1uF |
| C49 | 168-1042-78 | 16V 0.1uF |
| C50 | 168-1042-78 | 16V 0.1uF |
| C51 | 168-1042-78 | 16V 0.1uF |
| C52 | 168-5622-55 | 5600pF K |
| C53 | 168-1042-78 | 16V 0.1uF |
| C54 | 166-6801-50 | 68pF CH |
| C55 | 168-1532-55 | 0.015uF K |
| C56 | 168-1042-78 | 16V 0.1uF |
| C57 | 168-1032-55 | 0.01uF K |
| C58 | 168-1042-78 | 16V 0.1uF |
| C59 | 168-1042-78 | 16V 0.1uF |
| C60 | 168-1522-55 | 1500pF K |
| C61 | 168-3322-55 | 3300pF K |
| C62 | 168-1032-55 | 0.01uF K |
| C64 | 168-1042-78 | 16V 0.1uF |
| C65 | 168-1032-55 | 0.01uF K |
| C67 | 168-1032-55 | 0.01uF K |
| C69 | 168-1532-55 | 0.015uF K |
| C70 | 166-4701-50 | 47pF CH |
| C71 | 168-1042-78 | 16V 0.1uF |
| C72 | 168-1042-78 | 16V 0.1uF |
| C74 | 166-6097-50 | 6pF CH |
| C75 | 168-1042-78 | 16V 0.1uF |
| C76 | 168-5622-55 | 5600pF K |
| C77 | 168-1032-55 | 0.01uF K |
| C101 | 043-0563-90 | 16V 47uF |
| CCT1 | 050-0145-59 | 1/16W 22 ohm x4 |
| CCT2 | 050-0145-54 | 1/16W 47k ohm x4 |
| CCT3 | 050-0145-54 | 1/16W 47k ohm x4 |
| CCT4 | 050-0145-55 | 1/16W 10k ohm x4 |
| CCT5 | 050-0140-55 | 1/32W 2.2k ohmx4J |
| D1 | 001-4301-14 | HZU 3.0B1 |
| D1 | 001-0529-14 | MA8030-L |
| D2 | 001-0367-91 | 1SS226 |
| D3 | 001-4301-13 | HZU 2.7B2 |
| D3 | 001-0529-13 | MA8029-H |
| D4 | 001-4301-18 | HZU 3.6B1 |
| D4 | 001-0529-18 | MA8036-L |
| IC2 | 052-5077-01 | TMP91CY22IFG |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| IC3 | 051-6733-00 | TC94A73MFG-201 |
| IC4 | 051-6060-08 | BD7961FM-E2 |
| IC5 | 051-5452-90 | BD5235G |
| IC8 | 051-9402-78 | BR93L56RFVM-W |
| IC9 | 051-6072-08 | BD7931FE2 |
| IC10 | 051-5833-00 | GP1S093HCZ |
| IC11 | 051-3392-90 | S-1323B15NB-N8ATFG |
| J1 | 074-1237-69 | SOCKET 19P |
| J2 | 074-1201-65 | SOCKET 15P |
| J3 | 074-1138-56 | SOCKET 6P |
| J4 | 074-1100-61 | SOCKET 11P |
| J5 | 074-1201-61 | SOCKET 11P |
| Q1 | 060-0252-01 | PT4850F |
| Q2 | 125-0021-91 | DTA114EUA |
| Q3 | 198-3018-00 | 2SK3018 |
| Q4 | 190-2060-00 | 2SA2060 |
| Q8 | 190-2060-00 | 2SA2060 |
| Q9 | 125-9026-90 | IMF29 |
| Q10 | 125-2027-91 | DTC114EUA |
| Q11 | 125-0021-91 | DTA114EUA |
| Q12 | 125-2027-91 | DTC114EUA |
| Q13 | 125-9026-90 | IMF29 |
| R1 | 119-6811-15 | 1/10W 680 ohm |
| R2 | 119-6811-15 | 1/10W 680 ohm |
| R3 | 032-0163-91 | 1/2W 10 ohm |
| R4 | 032-0163-91 | 1/2W 10 ohm |
| R5 | 119-2231-15 | 1/10W 22k ohm |
| R6 | 116-1001-15 | 1/4W 10 ohm |
| R7 | 119-1021-15 | 1/10W 1k ohm |
| R8 | 116-1591-15 | 1/4W 1.5 ohm |
| R9 | 119-2231-15 | 1/10W 22k ohm |
| R10 | 119-4711-15 | 1/10W 470 ohm |
| R11 | 119-2211-15 | 1/10W 220 ohm |
| R12 | 119-6811-15 | 1/10W 680 ohm |
| R13 | 119-1011-15 | 1/10W 100 ohm |
| R14 | 119-2231-15 | 1/10W 22k ohm |
| R15 | 119-8231-15 | 1/10W 82k ohm |
| R16 | 119-1041-15 | 1/10W 100k ohm |
| R17 | 119-1041-15 | 1/10W 100k ohm |
| R18 | 119-1041-15 | 1/10W 100k ohm |
| R19 | 119-1041-15 | 1/10W 100k ohm |
| R20 | 119-1041-15 | 1/10W 100k ohm |
| R21 | 119-2221-15 | 1/10W 2.2k ohm |
| R22 | 119-4711-15 | 1/10W 470 ohm |
| R23 | 119-1051-15 | 1/10W 1M ohm |
| R24 | 119-2211-15 | 1/10W 220 ohm |
| R25 | 119-2211-15 | 1/10W 220 ohm |
| R26 | 119-1041-15 | 1/10W 100k ohm |
| R27 | 119-1051-15 | 1/10W 1M ohm |
| R28 | 119-1041-15 | 1/10W 100k ohm |
| R29 | 119-1041-15 | 1/10W 100k ohm |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| R30 | 119-4701-15 | 1/10W 47 ohm |
| R31 | 119-2201-15 | 1/10W 22 ohm |
| R32 | 119-1051-15 | 1/10W 1M ohm |
| R33 | 119-2211-15 | 1/10W 220 ohm |
| R34 | 119-4731-15 | 1/10W 47k ohm |
| R35 | 119-1051-15 | 1/10W 1M ohm |
| R36 | 119-4721-15 | 1/10W 4.7k ohm |
| R37 | 119-4731-15 | 1/10W 47k ohm |
| R38 | 119-2231-15 | 1/10W 22k ohm |
| R39 | 119-1041-15 | 1/10W 100k ohm |
| R40 | 119-4721-15 | 1/10W 4.7k ohm |
| R41 | 119-4731-15 | 1/10W 47k ohm |
| R42 | 032-0140-16 | 1/10W 180k ohm F |
| R43 | 119-4731-15 | 1/10W 47k ohm |
| R44 | 119-2201-15 | 1/10W 22 ohm |
| R45 | 119-1511-15 | 1/10W 150 ohm |
| R46 | 119-4721-15 | 1/10W 4.7k ohm |
| R47 | 032-0140-96 | 1/10W 120k ohm F |
| R48 | 119-1041-15 | 1/10W 100k ohm |
| R50 | 119-2211-15 | 1/10W 220 ohm |
| R51 | 119-0000-05 | 1/10W 0 ohm JW |
| R52 | 119-1041-15 | 1/10W 100k ohm |
| R53 | 119-5621-15 | 1/10W 5.6k ohm |
| R55 | 119-3341-15 | 1/10W 330k ohm |
| R56 | 119-4731-15 | 1/10W 47k ohm |
| R57 | 119-2231-15 | 1/10W 22k ohm |
| R58 | 119-2211-15 | 1/10W 220 ohm |
| R59 | 119-1511-15 | 1/10W 150 ohm |
| R60 | 119-4731-15 | 1/10W 47k ohm |
| R61 | 119-1041-15 | 1/10W 100k ohm |
| R62 | 119-1041-15 | 1/10W 100k ohm |
| R63 | 119-1041-15 | 1/10W 100k ohm |
| R64 | 119-1011-15 | 1/10W 100 ohm |
| R65 | 119-1041-15 | 1/10W 100k ohm |
| R66 | 117-5611-15 | 1/8W 560 ohm |
| R67 | 116-3311-15 | 1/4W 330 ohm |
| R68 | 116-3311-15 | 1/4W 330 ohm |
| R81 | 116-1591-15 | 1/4W 1.5 ohm |
| R101 | 119-0000-05 | 1/10W 0 ohm JW |
| R102 | 119-0000-05 | 1/10W 0 ohm JW |
| R103 | 119-0000-05 | 1/10W 0 ohm JW |
| R201 | 119-0000-05 | 1/10W 0 ohm JW |
| R212 | 119-1041-15 | 1/10W 100k ohm |
| S1 | 013-7416-50 | SW SPVL110200 |
| S2 | 013-7416-50 | SW SPVL110200 |
| S3 | 013-7412-50 | SPVG21 |
| S4 | 013-7415-50 | SPVG110400 |
| X1 | 061-3534-90 | 16.92MHz |
| X3 | 060-1545-90 | 20MHz |
| PWB | 039-3058-20 | PWB(WITHOUT COMPONENT) |

## Sensor-L-PFC(BM2) section

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| PT1 | 060-0252-01 | PT14850F |
| PT2 | 060-0252-01 | PT14850F |
| PT3 | 051-5833-00 | GP1S093HCZ |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| PWB | 039-3003-20 | PWB(WITHOUT COMPONENTS) |

## Sensor-U-PFC(BM3) section

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| LED1 | 001-7077-00 | GL4804 |
| LED2 | 001-7042-00 | GL4800 |
| LED3 | 001-7042-00 | GL4800 |

| REF No. | PART No. | DESCRIPTION |
|---|---|---|
| S5 | 013-7417-50 | ABC1122P161 |
| PWB | 039-3004-20 | PWB(WITHOUT COMPONENTS) |