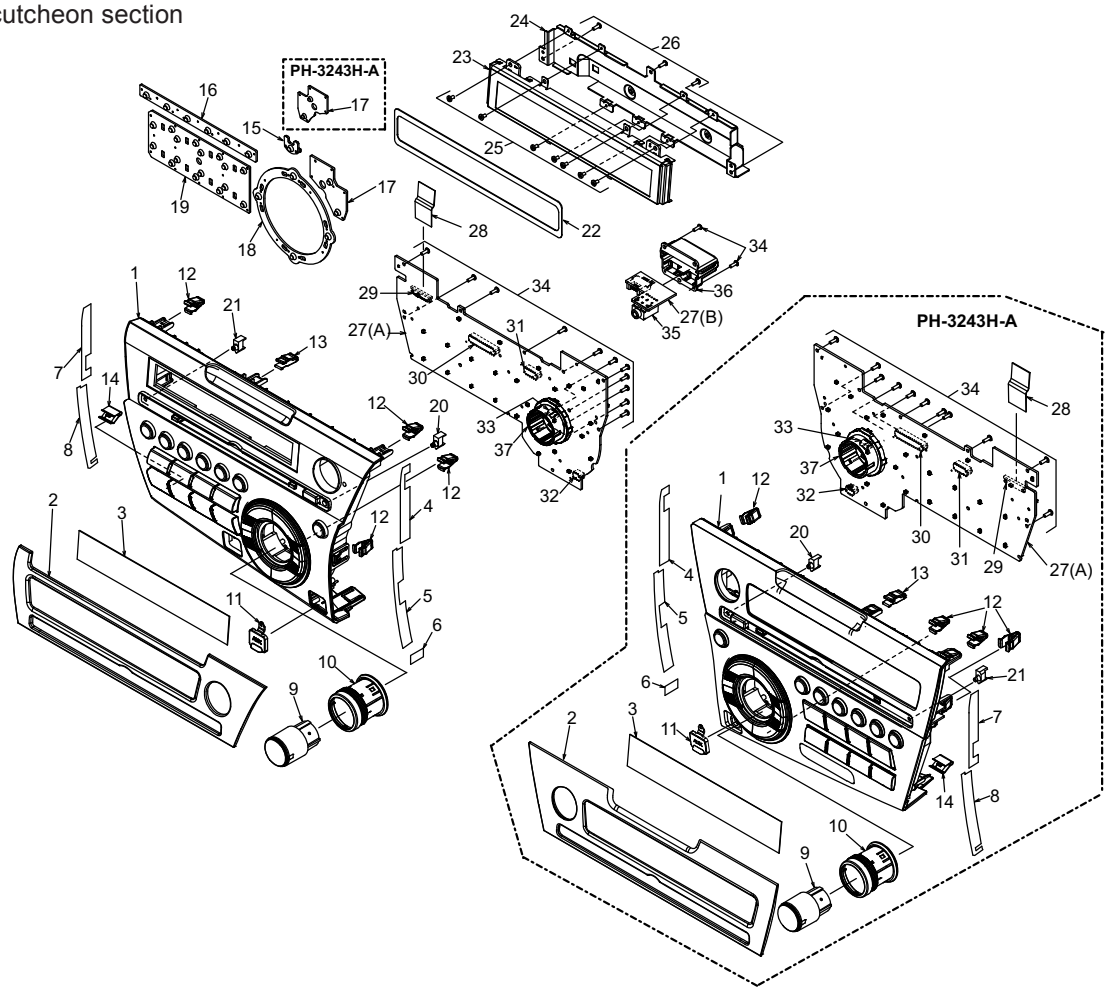
EXPLODED VIEW / PARTS LIST

Escutcheon section



Note) Some parts depend on each model. The model name is specifled in the discriptions.
3241HA : PH-3241H-A , 3243HA : PH3243H-A.

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8481-02 940-8480-12	ESCUTCHEON-ASSY (3241HA) ESCUTCHEON-ASSY (3243HA)	1
2	373-1217-00 373-1216-00	DIAL-COVER (3241HA) DIAL-COVER (3243HA)	1
3	347-8771-00	CLEAR-SHEET	1
4	347-8831-00 347-8827-00	CUSHION SHEET (3241HA) CUSHION SHEET (3243HA)	1
5	347-8832-00 347-8828-00	CUSHION SHEET (3241HA) CUSHION SHEET (3243HA)	1
6	347-8774-00	CUSHION SHEET	1
7	347-8833-00 347-8829-00	CUSHION SHEET (3241HA) CUSHION SHEET (3243HA)	1 1
8	347-8834-00 347-8830-00	CUSHION SHEET (3241HA) CUSHION SHEET (3243HA)	1
9	948-0904-00	KNOB-ASSY (VOL)	1
10	948-0905-00	KNOB-ASSY	1
11	335-8784-00	AUX CAP	1
12	335-7317-00	CLIP	4
13	335-8461-00	CLIP	1
14	750-6805-00	CLIP	1
15	345-6406-01	RUBBER SWITCH (VOL)	1
16	345-6402-02	RUBBER SWITCH (PRESET)	1
17	345-6407-02 345-6403-02	RUBBER SWITCH (PWR) (3241HA) RUBBER SWITCH (PWR) (3243HA)	1

NO.	PART NO.	DESCRIPTION	Q'TY
18	345-6404-02	RUBBER SWITCH (MULTI)	1
19	345-6405-01	RUBBER SWITCH (FUNCTION)	1
20	335-8763-00	INDICATOR (A)	1
21	335-8764-00	INDICATOR (B)	1
22	345-6417-00	CUSION SHEET	1
23	379-1442-10 379-1442-00	LCD-ASSY (3241HA) LCD-ASSY (3243HA)	1
24	331-4898-00 331-4895-00	LCD PLATE (3241HA) LCD PLATE (3243HA)	1
25	716-1670-01	TAP SCREW (M2x4)	7
26	716-3615-00	TAP SCREW (M2x8)	3
27	----------	Switch PWB	1
28	816-3047-55	FLAT WIRE	1
29	074-2228-26	SOCKET (26P)	1
30	074-3014-76	SOCKET (26P)	1
31	074-3014-62	SOCKET (12P)	1
32	074-3014-56	SOCKET (6P)	1
33	076-6000-56	PLUG (6P)	1
34	716-0778-51	WAVE SCREW (M2x6)	13
35	075-0306-00	JACK	1
36	335-8775-00	AUX-CVR	1
37	016-7004-00	ROTARY SWITCH	1

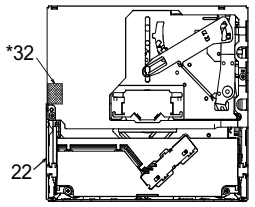


Fig 1

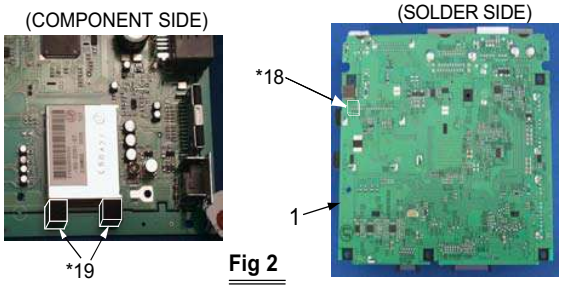
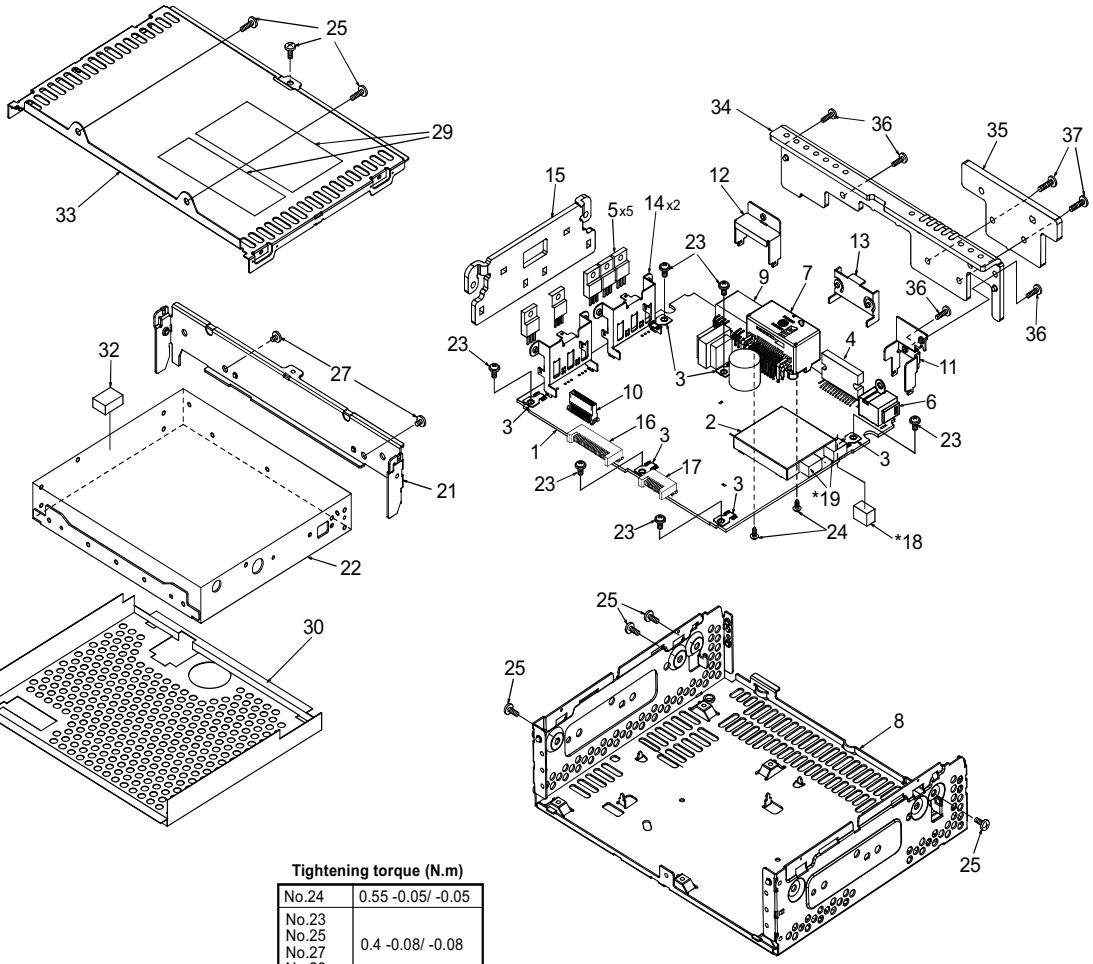
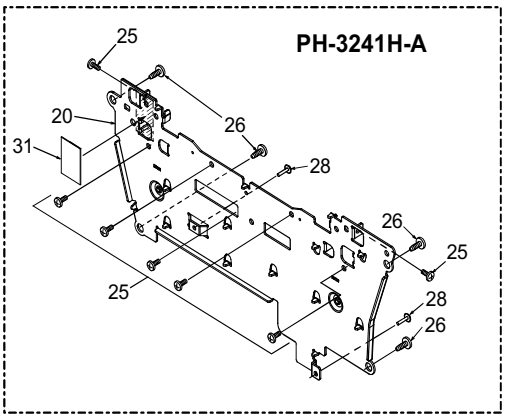


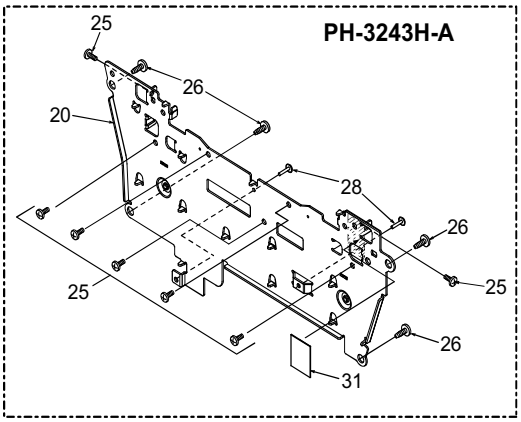
Fig 2



Tightening torque (N.m)

No.24	0.55 -0.05/ -0.05
No.23 No.25 No.27 No.28	0.4 -0.08/ -0.08
No.26	1.0 -0.1/ -0.1
No.36,37	0.5 -0.05/ -0.05





Note) Some parts depend on each model. The model name is specifled in the discriptions.
3241HA : PH-3241H-A , 3243HA : PH3243H-A.

NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	Main PWB	1
2	880-2091G	TUNER PACK	1
3	073-0762-90	TERMINAL	6
4	051-2042-00	IC (TA8275HQ)	1
5	103-2394-00	TRANSISTOR (2SD2394)	5
6	092-2238-00	ANT-RECEPT	1
7	074-4026-24	SOCKET (24P)	1
8	311-1943-10	LOWER CASE	1
9	074-1168-14	SOCKET (14P)	1
10	076-3028-40	PLUG (40P)	1
11	331-4697-01	ANT-HOLDER	1
12	331-3769-00	OUTLET HOLDER	1
13	331-3459-00	IC HOLDER	1
14	331-4066-00	TR HOLDER	2
15	313-2017-00	SUB HEAT SINK	1
16	076-3011-76	PLUG (26P)	1
17	076-3011-62	PLUG (12P)	1
18	345-6341-00	GASKET	1
19	345-8581-03	GASKET	2

NO.	PART NO.	DESCRIPTION	Q'TY
20	331-4899-00 331-4894-00	ES PLATE (3241HA) ES PLATE (3243HA)	1
21	331-4695-01	MECH BRKT	1
22	929-5025-80	DIGITAL MECH	1
23	716-0878-50	MACHINE SCREW (M2.6x5)	6
24	778-3005-00	TAP SCREW (M3x5)	2
25	714-2606-8B	MACHINE SCREW (M2.6x6)	14
26	778-4008-01	TAP SCREW (M4x8)	4
27	714-2603-8B	MACHINE SCREW (M2.6x3)	2
28	716-3615-00	SP SCREW (M2x8)	2
29	276-0678-15 276-0678-13	SETPLATE (3241HA) SETPLATE (3243HA)	1 1
30	347-8550-10	MECH CVR	1
31	347-8847-00	SPACER	1
32	345-6066-01	GASKET	1
33	310-1891-00	UPPER CASE	1
34	313-2056-10	HEAT SINK(A)	1
35	313-2057-00	HEAT SINK(B)	1
36	714-2608-89	MACHINE SCREW (M2.6x8)	4
37	780-2616-01	MACHINE SCREW (M2.6x16)	2

ELECTRICAL PARTS LIST

Main PWB(B1) section

REF No.	PART No.	DESCRIPTION
ANT101	092-2238-00	ANT-RECEPT
BL101	880-2091G	TUNER PACK
C102	168-1032-55	0.01uF K
C103	166-1511-50	150pF CH
C104	166-2201-50	22pF CH
C105	168-1032-55	0.01uF K
C106	166-1011-50	100pF CH
C107	043-0319-51	200pF J CH
C109	168-1022-55	1000pF K
C110	165-1073-35	16V 100uF
C111	168-1022-55	1000pF K
C112	165-1073-35	16V 100uF
C114	168-1032-55	0.01uF K
C115	168-1022-55	1000pF K
C117	168-1022-55	1000pF K
C118	168-1022-55	1000pF K
C119	168-1022-55	1000pF K
C120	168-1022-55	1000pF K
C121	168-1022-55	1000pF K
C123	165-4763-35	16V 47uF
C124	168-1032-55	0.01uF K
C125	165-1063-35	16V 10uF
C126	168-1042-78	16V 0.1uF K
C127	165-1073-15	6.3V 100uF
C128	168-1042-78	16V 0.1uF K
C129	043-0554-90	25V 10uF
C130	168-3332-78	0.033uF K
C131	165-1073-15	6.3V 100uF
C132	168-1042-78	16V 0.1uF K
C133	168-1022-55	1000pF K
C135	043-0554-90	25V 10uF
C137	168-1042-78	16V 0.1uF K
C138	168-1042-78	16V 0.1uF K
C139	042-1767-90	16V 470uF
C140	043-0499-51	50V 0.1uF J
C141	166-1011-50	100pF CH
C142	168-4742-78	0.47uF K

REF No.	PART No.	DESCRIPTION
C201	178-1022-78	1000pF
C202	178-1022-78	1000pF
C206	168-1032-55	0.01uF K
C209	168-1042-78	16V 0.1uF K
C213	166-1011-50	100pF CH
C219	168-1042-78	16V 0.1uF K
C227	165-1073-15	6.3V 100uF
C228	043-0554-90	25V 10uF
C229	168-1042-78	16V 0.1uF K
C231	165-1073-15	6.3V 100uF
C232	165-4763-15	6.3V 47uF
C233	168-1042-78	16V 0.1uF K
C234	165-4763-15	6.3V 47uF
C235	168-1042-78	16V 0.1uF K
C236	043-0554-90	25V 10uF
C237	043-0554-90	25V 10uF
C238	168-1042-78	16V 0.1uF K
C239	168-1042-78	16V 0.1uF K
C240	168-1042-78	16V 0.1uF K
C241	042-1767-90	16V 470uF
C242	042-1768-90	16V 10uF
C243	168-1022-55	1000pF K
C291	168-2222-55	2200pF K
C301	166-1011-50	100pF CH
C302	178-1052-78	25V 1uF
C304	168-1032-55	0.01uF K
C305	168-1022-55	1000pF K
C306	168-1042-78	16V 0.1uF K
C307	165-4753-55	35V 4.7uF
C308	168-1022-55	1000pF K
C309	168-1022-55	1000pF K
C310	168-1042-78	16V 0.1uF K
C311	042-1737-90	6.3V 1000uF M
C312	165-4753-55	35V 4.7uF
C313	042-1737-90	6.3V 1000uF M
C316	166-8096-50	8pF +/-0.25pF CH
C317	168-1042-78	16V 0.1uF K

REF No.	PART No.	DESCRIPTION
C319	165-1063-35	16V 10uF
C320	168-1032-55	0.01uF K
C323	168-1032-55	0.01uF K
C371	168-1022-55	1000pF K
C401	165-2253-65	50V 2.2uF
C402	165-2253-65	50V 2.2uF
C403	165-2253-65	50V 2.2uF
C404	165-2253-65	50V 2.2uF
C405	165-2253-65	50V 2.2uF
C406	165-2253-65	50V 2.2uF
C407	165-2253-65	50V 2.2uF
C408	165-2253-65	50V 2.2uF
C409	165-4753-55	35V 4.7uF
C410	168-1042-78	16V 0.1uF K
C411	166-1811-50	180pF CH
C412	166-1007-50	10pF CH
C413	166-1007-50	10pF CH
C414	168-1022-55	1000pF K
C415	166-1511-50	150pF CH
C416	166-1511-50	150pF CH
C417	166-1511-50	150pF CH
C418	166-1511-50	150pF CH
C419	166-1511-50	150pF CH
C420	166-1511-50	150pF CH
C421	166-1511-50	150pF CH
C422	166-1511-50	150pF CH
C423	165-4753-55	35V 4.7uF
C424	168-1042-78	16V 0.1uF K
C425	165-4753-55	35V 4.7uF
C426	168-1042-78	16V 0.1uF K
C427	168-1022-55	1000pF K
C428	168-1022-55	1000pF K
C429	166-1011-50	100pF CH
C430	168-1042-78	16V 0.1uF K
C431	168-1042-78	16V 0.1uF K
C432	168-1042-78	16V 0.1uF K
C433	168-5622-55	5600pF K

REF No.	PART No.	DESCRIPTION
C434	168-5622-55	5600pF K
C435	165-4753-55	35V 4.7uF
C436	168-1042-78	16V 0.1uF K
C437	168-2232-55	0.022uF K
C438	165-1073-15	6.3V 100uF
C439	168-1042-78	16V 0.1uF K
C440	043-0554-90	25V 10uF
C441	168-1042-78	16V 0.1uF K
C442	168-4732-78	0.047uF K
C443	043-0504-50	10V 4.7uF
C444	165-2263-15	6.3V 22uF
C445	168-1042-78	16V 0.1uF K
C446	168-1042-78	16V 0.1uF K
C447	168-1022-55	1000pF K
C448	165-4763-15	6.3V 47uF
C449	168-2232-55	0.022uF K
C450	165-1063-35	16V 10uF
C451	178-1052-78	25V 1uF
C452	168-1042-78	16V 0.1uF K
C453	168-1042-78	16V 0.1uF K
C454	168-3332-78	0.033uF K
C457	168-3322-55	3300pF K
C458	168-3322-55	3300pF K
C459	178-1052-78	25V 1uF
C460	168-2222-55	2200pF K
C461	168-2222-55	2200pF K
C463	168-1042-78	16V 0.1uF K
C464	168-1042-78	16V 0.1uF K
C465	168-2232-55	0.022uF K
C467	168-2232-55	0.022uF K
C468	168-4712-55	470pF K
C472	168-2222-55	2200pF K
C473	168-2222-55	2200pF K
C474	165-2263-15	6.3V 22uF
C475	168-1022-55	1000pF K
C476	168-1042-78	16V 0.1uF K
C477	042-1767-90	16V 470uF
C478	168-1042-78	16V 0.1uF K
C479	042-2273-25	10V 220uF M
C480	168-1042-78	16V 0.1uF K
C481	168-1022-55	1000pF K
C505	165-2263-15	6.3V 22uF
C506	165-2263-15	6.3V 22uF
C507	165-2263-15	6.3V 22uF
C508	165-2263-15	6.3V 22uF
C509	165-2253-65	50V 2.2uF
C510	165-2253-65	50V 2.2uF
C511	165-2253-65	50V 2.2uF
C512	165-2253-65	50V 2.2uF
C513	166-5611-50	560pF CH
C514	166-5611-50	560pF CH
C515	166-5611-50	560pF CH
C516	166-5611-50	560pF CH
C517	166-5611-50	560pF CH
C518	166-5611-50	560pF CH
C519	166-1011-50	100pF CH
C520	166-1011-50	100pF CH
C521	166-2201-50	22pF CH
C522	166-2201-50	22pF CH
C523	166-2201-50	22pF CH
C524	166-2201-50	22pF CH
C525	166-1011-50	100pF CH
C526	166-1011-50	100pF CH
C527	166-5611-50	560pF CH
C528	166-5611-50	560pF CH
C529	166-5611-50	560pF CH
C530	166-5611-50	560pF CH
C531	166-5611-50	560pF CH
C532	166-5611-50	560pF CH
C533	168-1042-78	16V 0.1uF K
C534	165-1073-35	16V 100uF
C535	165-2263-15	6.3V 22uF
C538	168-5612-55	560pF Z
C541	168-1545-56	0.15uF Z

REF No.	PART No.	DESCRIPTION
C542	168-1545-56	0.15uF Z
C543	168-1545-56	0.15uF Z
C544	168-1545-56	0.15uF Z
C545	165-1063-35	16V 10uF
C546	043-0499-51	50V 0.1uF J
C548	168-2222-55	2200pF K
C549	168-2222-55	2200pF K
C550	168-2222-55	2200pF K
C551	168-2222-55	2200pF K
C552	168-1032-55	0.01uF K
C553	172-4741-11	0.47uF
C554	168-2222-55	2200pF K
C555	168-2222-55	2200pF K
C556	165-3353-65	50V 3.3uF
C557	168-2222-55	2200pF K
C558	168-2222-55	2200pF K
C559	168-2222-55	2200pF K
C560	168-2222-55	2200pF K
C561	168-2222-55	2200pF K
C562	168-2222-55	2200pF K
C563	043-0499-51	50V 0.1uF J
C564	189-3383-31	16V 3300uF
C1301	165-1043-65	50V 0.1uF
C3000	168-1042-78	16V 0.1uF K
C3001	168-1042-78	16V 0.1uF K
CCT3000	050-0140-54	1/32W 1k ohm x4J
CCT3001	050-0140-53	1/32W 0 ohm x4J
CCT3002	050-0140-53	1/32W 0 ohm x4J
D101	001-2403-90	M1F60
D102	001-2403-90	M1F60
D103	001-0516-90	MA111
D104	001-0529-47	MA8091-M
D106	001-0516-90	MA111
D107	001-0529-28	MA8051-L
D108	001-0529-47	MA8091-M
D109	001-0529-48	MA8091-H
D111	001-2403-90	M1F60
D112	001-2403-90	M1F60
D113	001-2403-90	M1F60
D201	001-0529-69	MA8180-M
D202	001-0529-32	MA8056-M
D203	001-0529-32	MA8056-M
D205	001-0535-90	MA729
D209	001-0516-90	MA111
D210	001-0516-90	MA111
D217	001-0535-90	MA729
D219	001-0529-45	MA8082-H
D224	001-9210-50	AVR-M1608C270M TAAD
D301	001-0516-90	MA111
D302	001-0504-42	HZS7 C3L
D303	001-0529-42	MA8075-H
D304	001-0516-90	MA111
D305	001-0529-48	MA8091-H
D501	001-2403-90	M1F60
D502	001-0592-00	RM4Z
IC101	051-3354-90	BA33BC0WFP
IC102	051-3218-90	TA76431F
IC103	051-3344-90	BD3930FP-E2
IC202	051-6648-90	HA12240FP-EL
IC203	051-3408-90	BA2903FV
IC205	051-3364-90	NJU7771F15
IC206	051-3364-90	NJU7771F15
IC207	051-3543-90	BD33KA5WFP-E2
IC301	051-5423-38	BD5329G-TR
IC302	051-9423-90	BR93L86REV-W E2
IC303	----------	uPD70F3341GC-UEU -AX
IC304	051-5811-90	L9637D
IC401	----------	SAF7730HV/N317F
IC501	051-3057-90	BA4558RFV
IC502	051-3019-90	NJM2060V
IC503	051-3019-90	NJM2060V
IC504	051-2042-00	TA8275H

REF No.	PART No.	DESCRIPTION
J202	074-1168-14	SOCKET (14P)
J501	074-4026-24	SOCKET (24P)
L101	010-2003-04	30uH
L102	010-4011-20	2.5mH +3/-3%
L103	010-3104-50	30 ohm/100MHz
L104	010-3406-66	22uH J
L106	010-3104-50	30 ohm/100MHz
L203	010-2285-51	120 ohm/100MHz
L205	010-3104-50	30 ohm/100MHz
L206	010-3104-50	30 ohm/100MHz
L207	010-3105-62	1k ohm/100MHz
L211	010-3105-62	1k ohm/100MHz
L212	010-3105-62	1k ohm/100MHz
L301	010-3105-62	1k ohm/100MHz
L302	010-3406-66	22uH J
L303	010-3406-66	22uH J
L401	010-3105-62	1k ohm/100MHz
L402	010-3105-62	1k ohm/100MHz
L403	010-3105-62	1k ohm/100MHz
L404	010-3105-62	1k ohm/100MHz
L405	010-3105-62	1k ohm/100MHz
L406	010-3105-62	1k ohm/100MHz
L407	010-3105-62	1k ohm/100MHz
L408	010-3105-62	1k ohm/100MHz
L409	010-3105-62	1k ohm/100MHz
L410	010-3105-62	1k ohm/100MHz
L411	010-3105-62	1k ohm/100MHz
L412	010-3105-62	1k ohm/100MHz
L413	010-3105-62	1k ohm/100MHz
L414	010-3105-62	1k ohm/100MHz
L415	010-2198-51	0.22uH
L416	010-3105-62	1k ohm/100MHz
L2001	010-3406-66	22uH J
L3002	010-3105-62	1k ohm/100MHz
L5001	010-3105-62	1k ohm/100MHz
P2000	076-3028-40	PLUG (40P)
P3000	076-3011-76	PLUG (26P)
P3001	076-3011-62	PLUG (12P)
Q101	192-4081-00	2SC4081
Q102	192-4081-00	2SC4081
Q103	125-2027-91	DTC114EUA
Q104	190-1736-00	2SA1736
Q106	103-2394-00	2SD2394
Q107	192-5810-00	2SC5810 TE12L
Q108	192-4081-00	2SC4081
Q109	125-2027-91	DTC114EUA
Q110	191-1197-50	2SB1197K Q,R
Q111	192-4081-00	2SC4081
Q112	103-2394-00	2SD2394
Q113	125-2027-90	DTC143EUA
Q114	190-1736-00	2SA1736
Q115	125-2027-91	DTC114EUA
Q116	125-0021-92	DTA124EUA
Q117	192-5810-00	2SC5810 TE12L
Q118	192-5810-00	2SC5810 TE12L
Q119	125-2027-91	DTC114EUA
Q120	125-0021-91	DTA114EUA
Q121	103-2394-00	2SD2394
Q122	103-2394-00	2SD2394
Q123	125-2027-91	DTC114EUA
Q124	125-0021-91	DTA114EUA
Q125	125-2027-90	DTC143EUA
Q201	192-5810-00	2SC5810 TE12L
Q210	192-4081-00	2SC4081
Q211	103-2394-00	2SD2394
Q212	125-2027-91	DTC114EUA
Q213	125-0021-91	DTA114EUA
Q301	125-2027-91	DTC114EUA
Q302	125-0021-91	DTA114EUA
Q303	192-4081-00	2SC4081
Q304	192-4081-00	2SC4081
Q306	192-2712-00	2SC2712
Q401	125-7005-90	PHK04P02T
Q501	125-2027-91	DTC114EUA

Note) Some parts depend on each model. The model name is specifled in the discriptions.
3241HA : PH-3241H-A , 3243HA : PH3243H-A.

REF No.	PART No.	DESCRIPTION
Q502	125-0021-91	DTA114EUA
Q509	125-2027-91	DTC114EUA
Q1001	190-1052-03	2SA1052 C
Q1005	192-5810-00	2SC5810 TE12L
R101	119-2221-15	1/10W 2.2k ohm
R102	119-1031-15	1/10W 10k ohm
R104	119-1521-15	1/10W 1.5k ohm
R105	119-1031-15	1/10W 10k ohm
R106	116-1521-15	1/4W 1.5k ohm
R107	119-1031-15	1/10W 10k ohm
R108	116-0000-05	1/4W 0 ohm JW
R109	116-0000-05	1/4W 0 ohm JW
R112	119-4731-15	1/10W 47k ohm
R115	119-1041-15	1/10W 100k ohm
R118	119-0000-05	1/10W 0 ohm JW
R119	117-3921-15	1/8W 3.9k ohm
R120	119-1011-15	1/10W 100 ohm
R121	119-1521-15	1/10W 1.5k ohm
R122	119-6821-15	1/10W 6.8k ohm
R123	119-6821-15	1/10W 6.8k ohm
R124	119-1011-15	1/10W 100 ohm
R125	119-1031-15	1/10W 10k ohm
R126	119-1011-15	1/10W 100 ohm
R127	119-1031-15	1/10W 10k ohm
R128	119-1011-15	1/10W 100 ohm
R129	119-1011-15	1/10W 100 ohm
R130	119-1011-15	1/10W 100 ohm
R131	116-5691-15	1/4W 5.6 ohm
R132	119-1011-15	1/10W 100 ohm
R134	117-2721-15	1/8W 2.7k ohm
R135	116-0000-05	1/4W 0 ohm JW
R137	119-0000-05	1/10W 0 ohm JW
R138	119-1031-15	1/10W 10k ohm
R140	116-2291-15	1/4W 2.2 ohm
R141	116-2291-15	1/4W 2.2 ohm
R142	116-2221-15	1/4W 2.2k ohm
R143	116-6811-15	1/4W 680 ohm
R144	119-3321-15	1/10W 3.3k ohm
R145	119-1031-15	1/10W 10k ohm
R146	119-1031-15	1/10W 10k ohm
R147	119-4791-15	1/10W 4.7 ohm
R148	119-1031-15	1/10W 10k ohm
R149	119-4791-15	1/10W 4.7 ohm
R150	116-1221-15	1/4W 1.2k ohm
R151	116-1221-15	1/4W 1.2k ohm
R152	116-1221-15	1/4W 1.2k ohm
R153	116-1221-15	1/4W 1.2k ohm
R154	116-0000-05	1/4W 0 ohm JW
R155	116-3011-15	1/4W 300 ohm
R156	116-3011-15	1/4W 300 ohm
R157	116-3011-15	1/4W 300 ohm
R158	116-3011-15	1/4W 300 ohm
R201	116-1211-15	1/4W 120 ohm
R202	119-1031-15	1/10W 10k ohm
R203	119-3321-15	1/10W 3.3k ohm
R204	116-6801-15	1/4W 68 ohm
R205	116-1011-15	1/4W 100 ohm
R206	116-1011-15	1/4W 100 ohm
R212	119-4721-15	1/10W 4.7k ohm
R213	119-4721-15	1/10W 4.7k ohm
R215	032-0209-50	1/4W 82 ohm D
R217	032-0140-72	1/10W 470 ohm F
R223	119-5641-15	1/10W 560k ohm
R225	119-1021-15	1/10W 1k ohm
R226	119-4721-15	1/10W 4.7k ohm
R229	119-1031-15	1/10W 10k ohm
R230	119-1031-15	1/10W 10k ohm
R233	119-3331-15	1/10W 33k ohm
R234	116-1021-15	1/4W 1k ohm
R239	119-1031-15	1/10W 10k ohm
R240	119-3331-15	1/10W 33k ohm
R241	119-3321-15	1/10W 3.3k ohm
R242	119-1031-15	1/10W 10k ohm
R243	119-3321-15	1/10W 3.3k ohm
R245	119-3331-15	1/10W 33k ohm
R246	119-1031-15	1/10W 10k ohm
R248	119-3331-15	1/10W 33k ohm
R250	119-1031-15	1/10W 10k ohm
R251	116-3311-15	1/4W 330 ohm
R271	119-4731-15	1/10W 47k ohm
R272	119-4731-15	1/10W 47k ohm
R301	119-1031-15	1/10W 10k ohm (3241HA Only)
R302	119-1031-15	1/10W 10k ohm (3243HA Only)
R303	119-1031-15	1/10W 10k ohm (3243HA Only)
R304	119-1031-15	1/10W 10k ohm (3241HA Only)
R305	119-1041-15	1/10W 100k ohm
R309	119-3331-15	1/10W 33k ohm
R310	119-3331-15	1/10W 33k ohm
R311	119-3331-15	1/10W 33k ohm
R312	119-3331-15	1/10W 33k ohm
R317	119-4731-15	1/10W 47k ohm
R319	119-3331-15	1/10W 33k ohm
R321	119-2241-15	1/10W 220k ohm
R322	119-3331-15	1/10W 33k ohm
R323	119-1021-15	1/10W 1k ohm
R324	119-3331-15	1/10W 33k ohm
R325	119-3331-15	1/10W 33k ohm
R326	119-3331-15	1/10W 33k ohm
R327	119-3331-15	1/10W 33k ohm
R328	119-5611-15	1/10W 560 ohm
R329	119-3331-15	1/10W 33k ohm
R330	119-1031-15	1/10W 10k ohm
R331	119-3331-15	1/10W 33k ohm
R332	119-6831-15	1/10W 68k ohm
R333	119-6831-15	1/10W 68k ohm
R334	119-2241-15	1/10W 220k ohm
R335	119-0000-05	1/10W 0 ohm JW
R336	119-4731-15	1/10W 47k ohm
R337	119-3331-15	1/10W 33k ohm
R338	119-1021-15	1/10W 1k ohm
R339	119-3331-15	1/10W 33k ohm
R340	119-3331-15	1/10W 33k ohm
R341	119-3331-15	1/10W 33k ohm
R342	119-4731-15	1/10W 47k ohm
R343	119-1011-15	1/10W 100 ohm
R344	119-1011-15	1/10W 100 ohm
R345	119-3331-15	1/10W 33k ohm
R346	119-1031-15	1/10W 10k ohm
R347	119-1031-15	1/10W 10k ohm
R349	119-1011-15	1/10W 100 ohm
R350	119-1011-15	1/10W 100 ohm
R356	119-1031-15	1/10W 10k ohm
R357	119-1031-15	1/10W 10k ohm
R359	119-4721-15	1/10W 4.7k ohm
R360	119-4721-15	1/10W 4.7k ohm
R361	119-4721-15	1/10W 4.7k ohm
R362	119-4721-15	1/10W 4.7k ohm
R363	119-1031-15	1/10W 10k ohm
R364	119-1031-15	1/10W 10k ohm
R366	119-1031-15	1/10W 10k ohm
R367	119-3321-15	1/10W 3.3k ohm
R370	119-1041-15	1/10W 100k ohm
R372	119-1041-15	1/10W 100k ohm
R378	119-0000-05	1/10W 0 ohm JW
R379	119-0000-05	1/10W 0 ohm JW
R380	119-3331-15	1/10W 33k ohm
R381	119-4721-15	1/10W 4.7k ohm
R382	119-3331-15	1/10W 33k ohm
R383	119-3331-15	1/10W 33k ohm
R384	116-0000-05	1/4W 0 ohm JW
R386	119-3331-15	1/10W 33k ohm
R387	119-1031-15	1/10W 10k ohm
R399	119-4721-15	1/10W 4.7k ohm
R401	032-0140-52	1/10W 33k ohm F
R402	032-0140-52	1/10W 33k ohm F
R403	119-3331-15	1/10W 33k ohm
R404	119-3331-15	1/10W 33k ohm
R405	032-0140-52	1/10W 33k ohm F
R406	032-0140-52	1/10W 33k ohm F
R407	032-0140-52	1/10W 33k ohm F
R408	032-0140-52	1/10W 33k ohm F
R409	119-1031-15	1/10W 10k ohm
R410	119-1031-15	1/10W 10k ohm
R411	119-1031-15	1/10W 10k ohm
R412	119-1031-15	1/10W 10k ohm
R413	119-1031-15	1/10W 10k ohm
R414	119-1021-15	1/10W 1k ohm
R416	119-0000-05	1/10W 0 ohm JW
R417	119-1031-15	1/10W 10k ohm
R418	119-1031-15	1/10W 10k ohm
R419	119-5631-15	1/10W 56k ohm
R420	119-5631-15	1/10W 56k ohm
R421	119-5631-15	1/10W 56k ohm
R422	119-0000-05	1/10W 0 ohm JW
R423	119-5631-15	1/10W 56k ohm
R424	119-0000-05	1/10W 0 ohm JW
R425	119-1001-15	1/10W 10 ohm
R428	032-0140-52	1/10W 33k ohm F
R429	032-0140-52	1/10W 33k ohm F
R430	032-0140-52	1/10W 33k ohm F
R431	032-0140-52	1/10W 33k ohm F
R433	119-1031-15	1/10W 10k ohm
R434	119-1031-15	1/10W 10k ohm
R435	119-1011-15	1/10W 100 ohm
R436	119-1011-15	1/10W 100 ohm
R437	119-0000-05	1/10W 0 ohm JW
R438	119-1011-15	1/10W 100 ohm
R439	119-1011-15	1/10W 100 ohm
R440	119-1011-15	1/10W 100 ohm
R441	119-1021-15	1/10W 1k ohm
R442	119-1021-15	1/10W 1k ohm
R443	119-0000-05	1/10W 0 ohm JW
R444	119-1031-15	1/10W 10k ohm
R445	119-0000-05	1/10W 0 ohm JW
R446	119-1031-15	1/10W 10k ohm
R447	119-0000-05	1/10W 0 ohm JW
R448	119-1001-15	1/10W 10 ohm
R450	119-1011-15	1/10W 100 ohm
R451	119-0000-05	1/10W 0 ohm JW
R471	119-2201-15	1/10W 22 ohm
R501	119-1021-15	1/10W 1k ohm
R502	119-1021-15	1/10W 1k ohm
R503	119-1021-15	1/10W 1k ohm
R504	119-1021-15	1/10W 1k ohm
R505	119-4731-15	1/10W 47k ohm
R506	119-4731-15	1/10W 47k ohm
R507	119-4731-15	1/10W 47k ohm
R508	119-4731-15	1/10W 47k ohm
R509	119-0000-05	1/10W 0 ohm JW
R510	119-0000-05	1/10W 0 ohm JW
R511	119-0000-05	1/10W 0 ohm JW
R512	119-0000-05	1/10W 0 ohm JW
R513	119-6821-15	1/10W 6.8k ohm
R514	119-6821-15	1/10W 6.8k ohm
R515	119-6821-15	1/10W 6.8k ohm
R516	119-6821-15	1/10W 6.8k ohm
R517	119-6821-15	1/10W 6.8k ohm
R518	119-6821-15	1/10W 6.8k ohm
R519	119-1031-15	1/10W 10k ohm
R522	119-1031-15	1/10W 10k ohm
R523	119-1531-15	1/10W 15k ohm
R524	119-1531-15	1/10W 15k ohm

REF No.	PART No.	DESCRIPTION
R525	119-1031-15	1/10W 10k ohm
R526	119-1031-15	1/10W 10k ohm
R529	119-0000-05	1/10W 0 ohm JW
R530	119-0000-05	1/10W 0 ohm JW
R531	119-0000-05	1/10W 0 ohm JW
R532	119-0000-05	1/10W 0 ohm JW
R533	119-1531-15	1/10W 15k ohm
R534	119-1531-15	1/10W 15k ohm
R535	119-6821-15	1/10W 6.8k ohm
R536	119-6821-15	1/10W 6.8k ohm
R537	119-4731-15	1/10W 47k ohm
R538	119-4731-15	1/10W 47k ohm
R541	119-2221-15	1/10W 2.2k ohm
R542	119-2221-15	1/10W 2.2k ohm
R543	119-2221-15	1/10W 2.2k ohm
R544	119-2221-15	1/10W 2.2k ohm
R545	119-1041-15	1/10W 100k ohm
R546	119-3321-15	1/10W 3.3k ohm
R547	119-1041-15	1/10W 100k ohm
R548	117-0000-05	1/8W 0 ohm JW
R549	119-1041-15	1/10W 100k ohm
R550	119-1041-15	1/10W 100k ohm
R551	116-1031-15	1/4W 10k ohm
R552	119-4721-15	1/10W 4.7k ohm
R1001	119-1031-15	1/10W 10k ohm
R1002	119-1021-15	1/10W 1k ohm

REF No.	PART No.	DESCRIPTION
R2000	119-1031-15	1/10W 10k ohm
R2002	119-4731-15	1/10W 47k ohm
R2013	119-4731-15	1/10W 47k ohm
R2019	119-1021-15	1/10W 1k ohm
R2020	119-1021-15	1/10W 1k ohm
R2021	119-0000-05	1/10W 0 ohm JW
R2022	119-1021-15	1/10W 1k ohm
R2023	119-1021-15	1/10W 1k ohm
R2024	119-1021-15	1/10W 1k ohm
R2025	119-1021-15	1/10W 1k ohm
R2026	119-1021-15	1/10W 1k ohm
R2027	119-0000-05	1/10W 0 ohm JW
R2028	119-0000-05	1/10W 0 ohm JW
R2034	119-0000-05	1/10W 0 ohm JW
R2039	119-0000-05	1/10W 0 ohm JW
R2042	119-0000-05	1/10W 0 ohm JW
R2047	119-0000-05	1/10W 0 ohm JW
R2050	119-1021-15	1/10W 1k ohm
R2051	119-1021-15	1/10W 1k ohm
R2052	119-1021-15	1/10W 1k ohm
R2053	119-1021-15	1/10W 1k ohm
R2054	119-1021-15	1/10W 1k ohm
R2055	119-1021-15	1/10W 1k ohm
R2056	119-0000-05	1/10W 0 ohm JW
R3001	119-3331-15	1/10W 33k ohm
R3002	119-3331-15	1/10W 33k ohm

REF No.	PART No.	DESCRIPTION
R3003	119-1021-15	1/10W 1k ohm
R3020	119-0000-05	1/10W 0 ohm JW
R3021	119-0000-05	1/10W 0 ohm JW
R3022	119-0000-05	1/10W 0 ohm JW
R3023	119-0000-05	1/10W 0 ohm JW
R3024	119-0000-05	1/10W 0 ohm JW
R4001	119-0000-05	1/10W 0 ohm JW
R4002	119-0000-05	1/10W 0 ohm JW
R4005	119-3931-15	1/10W 39k ohm
R4006	119-3931-15	1/10W 39k ohm
SUP101	060-0122-91	DSP-141N-S00B
T501	009-0670-80	180uH
TC301	004-1589-52	20pF
TH101	002-0318-21	THERMISTOR
TM101	073-0762-90	TERMINAL
TM102	073-0762-90	TERMINAL
TM103	073-0762-90	TERMINAL
TM201	073-0762-90	TERMINAL
TM202	073-0762-90	TERMINAL
TM501	073-0762-90	TERMINAL
X301	061-3560-90	3.145728MHz AT-41CD2
X401	061-3537-90	41.6MHz
PWB	039-3346-00	PWB(WITHOUT COMPONENT)

Switch PWB-A/B(B2) section

Note) Some parts depend on each model. The model name is specifled in the discriptions.
3241HA : PH-3241H-A , 3243HA : PH3243H-A.

REF No.	PART No.	DESCRIPTION
C600	166-1011-50	100pF CH
C601	168-1042-78	16V 0.1uF K
C602	166-2201-50	22pF CH
C603	166-1011-50	100pF CH
C604	166-2201-50	22pF CH
C608	168-1042-78	16V 0.1uF K
C609	168-1022-55	1000pF K
C630	166-2201-50	22pF CH
C650	166-1007-50	10pF CH
C651	166-1007-50	10pF CH
C660	168-1042-78	16V 0.1uF K
D600	001-7134-53	NHSBO46A-HC14-TKMLP3LP
D601	001-7134-53	NHSBO46A-HC14-TKMLP3LP
D604	001-7134-53	NHSBO46A-HC14-TKMLP3LP
D605	001-7134-53	NHSBO46A-HC14-TKMLP3LP
D608	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D609	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D612	001-2630-90	1SS420-TPL3,F
D613	001-2630-90	1SS420-TPL3,F
D614	001-2630-90	1SS420-TPL3,F
D615	001-2630-90	1SS420-TPL3,F
D616	001-2630-90	1SS420-TPL3,F
D617	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D618	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D621	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D622	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D625	001-2630-90	1SS420-TPL3,F
D626	001-2630-90	1SS420-TPL3,F
D627	001-2630-90	1SS420-TPL3,F

REF No.	PART No.	DESCRIPTION
D628	001-2630-90	1SS420-TPL3,F
D629	001-2630-90	1SS420-TPL3,F
D630	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D631	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D634	001-2630-90	1SS420-TPL3,F
D635	001-2630-90	1SS420-TPL3,F
D636	001-2630-90	1SS420-TPL3,F
D637	001-2630-90	1SS420-TPL3,F
D638	001-2630-90	1SS420-TPL3,F
D639	001-7063-95	RBR1102W D,E (RED)
D640	001-7103-91	CL-191S-MG-D-T(GRN)
D641	001-0529-36	MA8062-H
D642	001-2630-90	1SS420-TPL3,F
D643	001-2630-90	1SS420-TPL3,F
D644	001-2630-90	1SS420-TPL3,F
D645	001-2630-90	1SS420-TPL3,F
D646	001-2630-90	1SS420-TPL3,F
D647	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D648	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D649	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D650	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D651	001-9210-50	AVR-M1608C270M TAAD (3243H Only)
D652	001-9210-50	AVR-M1608C270M TAAD
D653	001-9210-50	AVR-M1608C270M TAAD
D654	001-9210-50	AVR-M1608C270M TAAD
D655	001-9210-50	AVR-M1608C270M TAAD

REF No.	PART No.	DESCRIPTION
D660	001-7134-54	NHSBO46A-HC14-TKMLP5LP
D670	001-9210-50	AVR-M1608C270M TAAD
D671	001-9210-50	AVR-M1608C270M TAAD
D672	001-9210-50	AVR-M1608C270M TAAD
D673	001-9210-50	AVR-M1608C270M TAAD
D679	001-7134-50	NHSBO46A-HC14-TKLP9G
D680	001-7134-50	NHSBO46A-HC14-TKLP9G
D683	001-7134-50	NHSBO46A-HC14-TKLP9G
D684	001-7134-50	NHSBO46A-HC14-TKLP9G
D687	001-7134-50	NHSBO46A-HC14-TKLP9G
D688	001-7134-50	NHSBO46A-HC14-TKLP9G
D691	001-7134-50	NHSBO46A-HC14-TKLP9G
D692	001-7134-50	NHSBO46A-HC14-TKLP9G
IC601	051-7239-08	TC74VHCT08AFT-EL
J600	074-2228-26	SOCKET (26P)
J601	074-3014-56	SOCKET (6P)
J604	076-6000-56	PLUG (6P)
J605	074-3014-76	SOCKET (26P)
J606	074-3014-62	SOCKET (12P)
J608	075-0306-00	JACK
P601	076-3011-56	PLUG (6P)
Q600	192-4081-00	2SC4081
Q601	192-4081-00	2SC4081
R600	119-1011-15	1/10W 100 ohm
R601	119-1011-15	1/10W 100 ohm
R602	119-1011-15	1/10W 100 ohm

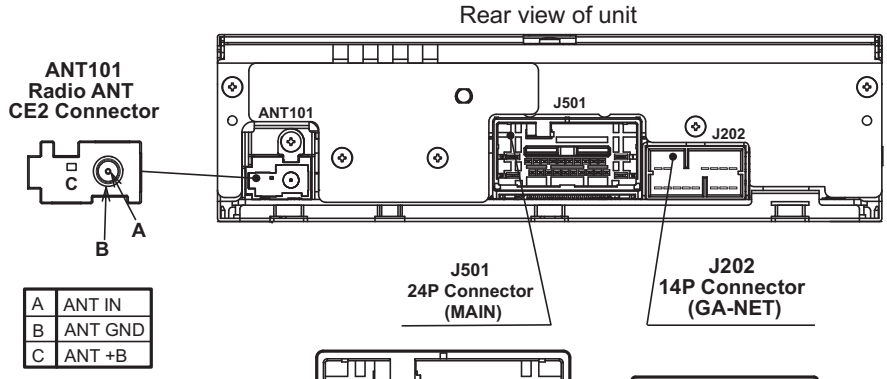
Note) Some parts depend on each model. The model name is specifled in the discriptions.
3241HA : PH-3241H-A , 3243HA : PH3243H-A.

REF No.	PART No.	DESCRIPTION
R603	119-1011-15	1/10W 100 ohm
R604	119-1011-15	1/10W 100 ohm
R605	119-1011-15	1/10W 100 ohm
R606	119-1011-15	1/10W 100 ohm
R607	119-1011-15	1/10W 100 ohm
R608	119-1011-15	1/10W 100 ohm
R609	116-1221-15	1/4W 1.2k ohm
R610	119-2211-15	1/10W 220 ohm
R611	116-1021-15	1/4W 1k ohm
R612	119-2211-15	1/10W 220 ohm
R613	116-1221-15	1/4W 1.2k ohm
R614	119-2211-15	1/10W 220 ohm
R615	116-1221-15	1/4W 1.2k ohm
R616	119-2211-15	1/10W 220 ohm
R617	116-1821-15	1/4W 1.8k ohm
R618	116-1821-15	1/4W 1.8k ohm
R619	116-1821-15	1/4W 1.8k ohm
R620	116-1821-15	1/4W 1.8k ohm
R621	119-2221-15	1/10W 2.2k ohm
R622	119-3321-15	1/10W 3.3k ohm
R623	119-2711-15	1/10W 270 ohm
R624	119-1031-15	1/10W 10k ohm
R625	119-1031-15	1/10W 10k ohm
R626	119-1031-15	1/10W 10k ohm
R627	116-1021-15	1/4W 1k ohm

REF No.	PART No.	DESCRIPTION
R628	119-1031-15	1/10W 10k ohm
R629	116-2721-15	1/4W 2.7k ohm
R630	119-0000-05	1/10W 0 ohm JW
R631	119-0000-05	1/10W 0 ohm JW
R639	119-1021-15	1/10W 1k ohm
R640	119-1021-15	1/10W 1k ohm
R641	119-1021-15	1/10W 1k ohm
R642	119-0000-05	1/10W 0 ohm JW
R643	119-1011-15	1/10W 100 ohm
R644	119-1011-15	1/10W 100 ohm
R645	119-1021-15	1/10W 1k ohm
R646	119-1021-15	1/10W 1k ohm
R647	119-8211-15	1/10W 820 ohm
R648	119-8211-15	1/10W 820 ohm
R649	119-8211-15	1/10W 820 ohm
R650	119-8211-15	1/10W 820 ohm
R651	119-0000-05	1/10W 0 ohm JW
R652	119-0000-05	1/10W 0 ohm JW
R657	116-6821-15	1/4W 6.8k ohm
R658	119-1011-15	1/10W 100 ohm
R683	116-1521-15	1/4W 1.5k ohm
R685	116-1221-15	1/4W 1.2k ohm (3241HA Only)
R685	116-1821-15	1/4W 1.8k ohm (3243HA Only)

REF No.	PART No.	DESCRIPTION
R687	116-1521-15	1/4W 1.5k ohm
R689	116-1821-15	1/4W 1.8k ohm (3241HA Only)
R689	116-1221-15	1/4W 1.2k ohm (3243HA Only)
S650	016-7004-00	ROTARY SWITCH
TM601	073-0786-90	TERMINAL (3241HA Only)
TM602	073-0786-90	TERMINAL
TM603	073-0786-90	TERMINAL
TM604	073-0766-90	TERMINAL (3243HA Only)
TM605	073-0766-90	TERMINAL
TM608	073-0766-90	TERMINAL (3243HA Only)
TM609	073-0766-90	TERMINAL (3241HA Only)
TM610	073-0766-90	TERMINAL (3241HA Only)
PWB	039-3530-00	PWB (3241HA Only) (WITHOUT COMPONENTS)
PWB	039-3528-00	PWB (3243HA Only) (WITHOUT COMPONENTS)

CONNECTION

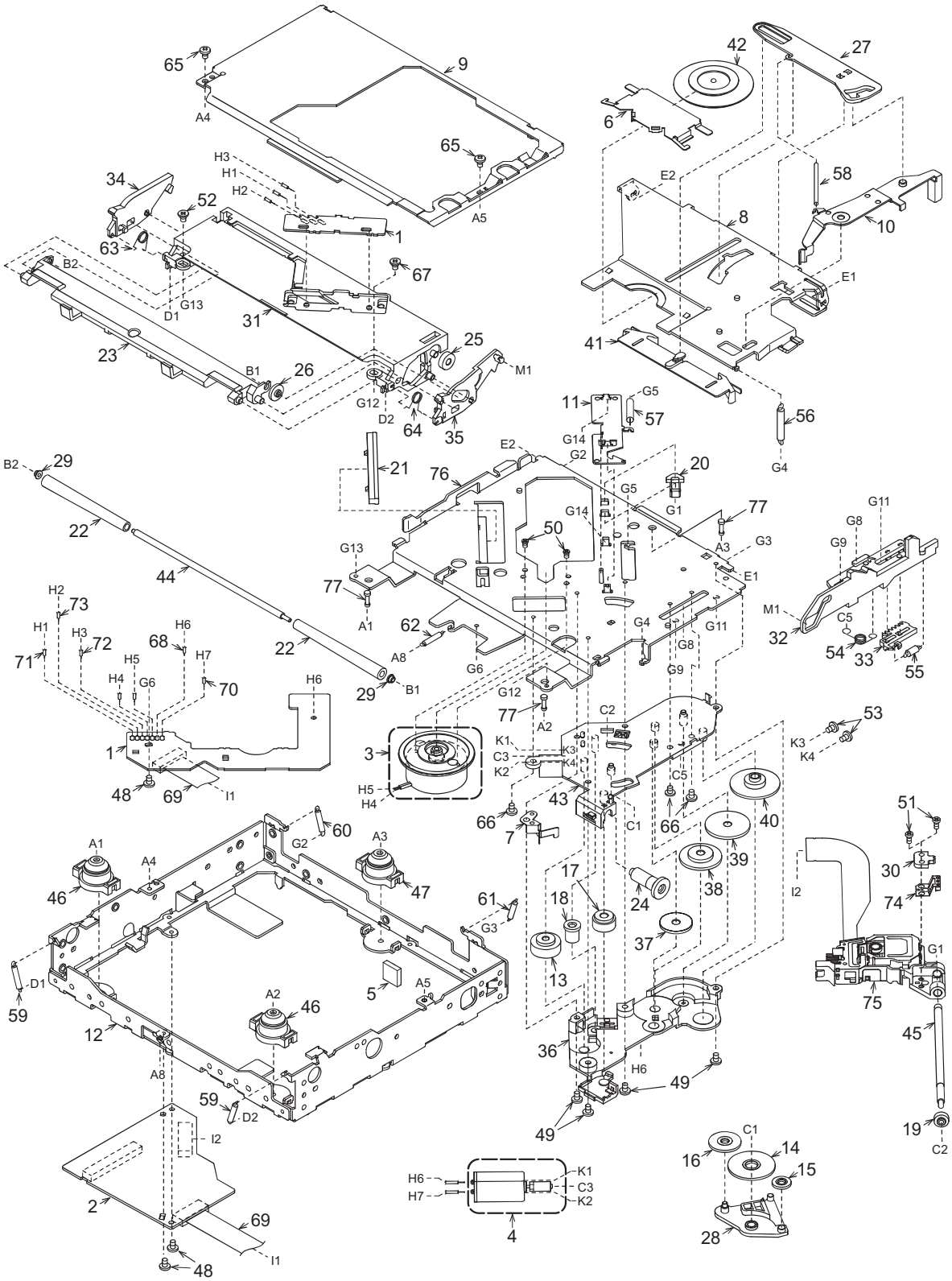


A	ANT IN
B	ANT GND
C	ANT +B

1	MAIN GND	13	K-LINE
2	ILL- BULB	14	TEL MUTE
3	+B	15	FL+
4	ILL+	16	FL-
5	RL+	17	N.C
6	RL-	18	N.C
7	N.C	19	FR+
8	N.C	20	FR-
9	RR+	21	N.C
10	RR-	22	REMOTE
11	REMOTE GND	23	VSP
12	SECURITY	24	ACC

1	+B
2	+B
3	SYS ACC
4	ILL
5	BUS+
6	BUS-
7	MAIN GND
8	BUS GND
9	GND SHIELD
10	N.C
11	R+
12	R-
13	L+
14	L-

EXPLODED VIEW / PARTS LIST



NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	SENSOR PWB	1
2	----------	CD PWB	1
3	SMA-200-100	SPINDLE MOTOR-ASSY	1
4	SMA-183-100	SLED MOTOR-ASSY	1
5	345-5476-20	CUSHION RUBBER	1
6	620-1023-23	CLAMPER PLATE	1
7	620-1026-21	SPRING PLATE	1
8	620-1596-23	CLAMPER LINK	1
9	620-1862-20	UPPER CHASSIS	1
10	620-1752-20	SENSOR ARM	1
11	620-1753-20	ID-LOCK PLATE	1
12	620-1868-20	LOWER CHASSIS	1
13	621-0608-21	SECOND GEAR	1
14	621-0609-20	BASE GEAR	1
15	621-0610-20	IDLE GEAR A	1
16	621-0611-20	IDLE GEAR B	1
17	621-0612-21	ROLLER GEAR A	1
18	621-0620-20	THREAD GEAR A	1
19	621-0621-20	THREAD GEAR B	1
20	621-0623-23	LS-HOLDER	1
21	621-0624-22	GUIDE RAIL	1
22	621-0711-21	LOADING ROLLER	2
23	621-0718-21	ROLLER GUIDE	1
24	621-0719-20	ROLLER GEAR B	1
25	621-0720-20	ROLLER GEAR C	1
26	621-0721-20	ROLLER GEAR D	1
27	621-0728-20	STOPPER LINK	1
28	621-1719-20	IDLE CASE	1
29	621-1726-20	ROLLER SLEEVE	2
30	621-1729-20	SH-BASE	1
31	621-1742-20	UPPER GUIDE	1
32	621-1743-20	SHIFT LEVER	1
33	621-1744-20	RACK	1
34	621-1745-20	LOCK ARM L	1
35	621-1746-20	LOCK ARM R	1
36	621-1747-20	GEAR COVER	1
37	621-1748-20	POWER GEAR A	1
38	621-1749-20	POWER GEAR B	1
39	621-1750-20	POWER GEAR C	1

NO.	PART NO.	DESCRIPTION	Q'TY
40	621-1751-20	POWER GEAR D	1
41	621-1752-20	DISC STOPPER	1
42	621-1753-20	CLAMPER RING	1
43	621-1754-20	GEAR BASE	1
44	622-1571-21	ROLLER SHAFT	1
45	624-3059-00	LEAD SCREW	1
46	629-0086-20	DAMPER F	2
47	629-0087-20	DAMPER R	1
48	716-1507-01	SCREW(M2x3)	3
49	716-1670-01	SCREW(M2x4)	4
50	716-1733-01	SCREW(M1.7x2.3)	2
51	716-3469-01	SCREW(1.7x4)	2
52	716-3473-01	SCREW(M2x3)	1
53	716-3551-00	SCREW(M1.4x2.5)	2
54	750-7865-20	SHIFT SPRING	1
55	750-7866-20	RACK SPRING	1
56	750-7867-20	CLAMPER SPRING	1
57	750-7868-20	ID-LOCK SPRING	1
58	750-7869-20	SENSOR SPRING	1
59	750-7870-20	DR-SPRING F	2
60	750-7871-20	DR-SPRING RA	1
61	750-7872-20	DR-SPRING RB	1
62	750-7873-20	DR-SPRING C	1
63	750-6797-20	ROLLER SPRING L	1
64	750-6798-20	ROLLER SPRING R	1
65	714-2003-8B	SCREW(M2x3)	2
66	780-2025-00	SCREW(M2x2.5)	3
67	781-1730-00	SCREW(M1.7x3)	1
68	803-4906-60	VINYL-COAT-WIRE(ORG)	1
69	816-2624-55	FLAT WIRE	1
70	816-2590-00	VINYL-COAT-WIRE(GRN)	1
71	816-2591-00	VINYL-COAT-WIRE(YEL)	1
72	816-2592-00	VINYL-COAT-WIRE(BLUE)	1
73	816-2593-00	VINYL-COAT-WIRE(PUR)	1
74	966-1722-20	SH-RACK-ASSY	1
75	969-0075-31	PICKUP-ASSY	1
76	620-1867-20	DRIVE-PLTATE	1
77	622-1570-21	DAMPER PIN	3

ELECTRICAL PARTS LIST

CD PWB(BM1) section

REF No.	PART No.	DESCRIPTION
C2	178-1052-78	1uF
C3	165-1073-35	16V 100uF
C4	168-1042-78	16V 0.1uF K
C6	178-1052-78	1uF
C7	042-0560-85	6.3V 100uF
C8	178-1052-78	1uF
C9	166-4711-50	470pF CH
C10	168-4732-78	0.047uF K
C11	166-4711-50	470pF CH
C12	168-4732-78	0.047uF K
C14	168-1042-78	16V 0.1uF K
C15	166-1007-50	10pF CH
C16	166-1007-50	10pF CH
C17	168-1042-78	16V 0.1uF K
C18	168-2222-55	2200pF K
C19	168-1042-78	16V 0.1uF K
C20	168-1042-78	16V 0.1uF K
C22	168-6822-55	6800pF K
C24	168-3332-78	0.033uF K
C25	168-3332-78	0.033uF K
C26	168-1042-78	16V 0.1uF
C28	043-0570-90	16V 2.2uF K
C31	043-0570-90	16V 2.2uF K
C33	168-1042-78	16V 0.1uF K
C34	168-1042-78	16V 0.1uF K
C36	168-1042-78	16V 0.1uF K
C37	168-5622-55	5600pF K
C38	166-6801-50	68pF CH
C39	168-1042-78	16V 0.1uF K
C40	168-1532-55	0.015uF K
C41	168-1042-78	16V 0.1uF K
C42	168-1032-55	0.01uF K
C44	168-1042-78	16V 0.1uF K
C46	168-1522-55	1500pF K
C47	168-3322-55	3300pF K
C48	168-1032-55	0.01uF K
C49	168-1042-78	16V 0.1uF K
C51	166-6801-50	68pF CH
C54	168-1532-55	0.015uF K

REF No.	PART No.	DESCRIPTION
C55	168-1042-78	16V 0.1uF K
C56	168-1042-78	16V 0.1uF K
C59	166-4701-50	47pF CH
C60	168-1042-78	16V 0.1uF K
C78	119-0000-05	1/10W 0 ohm JW
C117	166-6801-50	68pF CH
C118	166-6801-50	68pF CH
C120	166-1007-50	10pF CH
C121	166-1007-50	10pF CH
C122	166-1007-50	10pF CH
C123	166-1007-50	10pF CH
C124	166-5601-50	56pF CH
C125	166-5601-50	56pF CH
C126	166-5601-50	56pF CH
CCT100	050-0140-52	1/32W 100 ohm x4J
D152	001-9210-50	AVR-M1608C270MT AAD
IC1	051-6733-30	TC94A73MFG201
IC2	051-6709-80	BA5830FM
J1	074-2215-65	SOCKET (15P)
J2	074-2215-60	SOCKET (10P)
L1	010-3105-69	MMZ1608S102
P100	074-1323-90	SOCKET (40P)
Q1	131-1188-50	2SB1188
R1	119-2211-15	1/10W 220 ohm
R2	117-6811-15	1/8W 680 ohm
R4	119-1001-15	1/10W 10 ohm
R5	119-2731-15	1/10W 27k ohm
R6	119-2731-15	1/10W 27k ohm
R7	119-2221-15	1/10W 2.2k ohm
R8	119-2731-15	1/10W 27k ohm
R9	119-2731-15	1/10W 27k ohm
R10	119-1051-15	1/10W IM ohm
R11	119-2211-15	1/10W 220 ohm
R13	119-8231-15	1/10W 82k ohm
R14	119-1531-15	1/10W 15k ohm
R15	119-8231-15	1/10W 82k ohm
R16	119-4731-15	1/10W 47k ohm
R22	119-2231-15	1/10W 22k ohm

REF No.	PART No.	DESCRIPTION
R25	119-1041-15	1/10W 100k ohm
R26	119-0000-05	1/10W 0 ohm JW
R27	119-4731-15	1/10W 47k ohm
R29	119-5621-15	1/10W 5.6k ohm
R30	119-2231-15	1/10W 22k ohm
R31	119-4731-15	1/10W 47k ohm
R32	119-3341-15	1/10W 330k ohm
R33	119-1041-15	1/10W 100k ohm
R34	119-1041-15	1/10W 100k ohm
R35	119-1041-15	1/10W 100k ohm
R38	119-1041-15	1/10W 100k ohm
R39	119-0000-05	1/10W 0 ohm JW
R50	119-0000-05	1/10W 0 ohm JW
R64	119-1051-15	1/10W IM ohm
R70	119-0000-05	1/10W 0 ohm JW
R71	119-0000-05	1/10W 0 ohm JW
R100	119-0000-05	1/10W 0 ohm JW
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
R104	119-0000-05	1/10W 0 ohm JW
R105	119-0000-05	1/10W 0 ohm JW
R106	119-0000-05	1/10W 0 ohm JW
R107	119-0000-05	1/10W 0 ohm JW
R108	119-0000-05	1/10W 0 ohm JW
R109	119-0000-05	1/10W 0 ohm JW
R113	119-0000-05	1/10W 0 ohm JW
R114	119-0000-05	1/10W 0 ohm JW
R115	119-1011-15	1/10W 100 ohm
R116	119-1011-15	1/10W 100 ohm
R117	119-1011-15	1/10W 100 ohm
R118	119-1011-15	1/10W 100 ohm
R119	119-1011-15	1/10W 100 ohm
R120	119-0000-15	1/10W 0 ohm JW
R121	119-3331-15	1/10W 33k ohm
TM1	073-0768-90	TERMINAL
X1	061-3534-90	16.92MHz
PWB	039-3348-00	PWB(WITHOUT COMPONENT)

Sensor PWB(BM2) section

REF No.	PART No.	DESCRIPTION
D1	001-7058-90	AN1105W-RR
D2	001-7058-90	AN1105W-RR
J1	074-2215-60	SOCKET (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	039-2675-20	PWB(WITHOUT COMPONENT)