

LEFT CHANNEL

PHONO-2
 1. 250V/200Ω
 2. 250V/200Ω
 3. 250V/200Ω
 4. 250V/200Ω

TUNER
 1. 250V/200Ω

AUX
 1. 250V/200Ω

TAP-1
 1. PL AT
 2. 250V/200Ω

REC
 1. 250V/200Ω

TAP-2
 1. PL AT
 2. 250V/200Ω

REC
 1. 250V/200Ω

RIGHT CHANNEL

PHONO-2

PHONO-1

TUNER

AUX

TAP-1

PLAY

REC

TAP-2

PLAY

REC

SYMBOL OF FUNCTION

(a) MC
 (i) EO
 (j) CONTROL
 (k) POWER AMP
 (l) PROTECTOR
 (m) POWER SUPPLY
 (n) INDICATOR
 (o) SELECTOR

SWITCHES & CONTROLS

Power Selector F-3249 (C _{25a-1})	1. Power-2 F-3249 (C _{25a-2})	2. Power-1 F-3249 (C _{25a-3})	3. Tuner F-3249 (C _{25a-4})	4. Aux F-3249 (C _{25a-5})
Aux Selector F-3249 (C _{25a-1})	1. Tuner F-3249 (C _{25a-2})	2. Power-1 F-3249 (C _{25a-3})	3. Power-2 F-3249 (C _{25a-4})	4. S-1 + 2 F-3249 (C _{25a-5})
Power Selector F-3249 (C _{25a-1})	1. amp F-3249 (C _{25a-2})	2. MC F-3249 (C _{25a-3})		

MC pins	1. High F-3250 (C _{25a-1})	2. Low F-3250 (C _{25a-2})
Tap Relay	1. Off F-3250 (C _{25a-1})	2. On F-3250 (C _{25a-2})
Tune	1. Tune-1 F-3250 (C _{25a-1})	2. Tune-2 F-3250 (C _{25a-2})
Match	1. Off F-3253 (C _{25a-1})	2. On F-3253 (C _{25a-2})
Tune over	1. 300Ω F-3267 (C _{25a-1})	2. 2.5kΩ F-3267 (C _{25a-2})

High Filter	1. Off F-3268 (C _{25a-1})	2. 300Ω F-3268 (C _{25a-2})
Low Filter	1. Off F-3269 (C _{25a-1})	2. 300Ω F-3269 (C _{25a-2})
Volume	1. Off F-3270 (C _{25a-1})	2. 300Ω F-3270 (C _{25a-2})
Match	1. Off F-3271 (C _{25a-1})	2. 300Ω F-3271 (C _{25a-2})
Tune	1. Off F-3272 (C _{25a-1})	2. 300Ω F-3272 (C _{25a-2})

IMP. Center DC BY Adjust

SYMBOLS

- ⊗ Ceramic Capacitor
- ⊕ Polystyrene
- ⊖ Film Capacitor
- ⊙ Mica Capacitor
- ⊘ Metallized Polyester Film Capacitor
- ⊚ Polypropylene Film Capacitor
- ⊛ Low-Leak Electrolytic
- ⊜ Non-Inductance Resistor
- ⊝ Metal Film Resistor
- ⊞ General Resistor
- ⊟ Non-Inductive Ohm Resistor

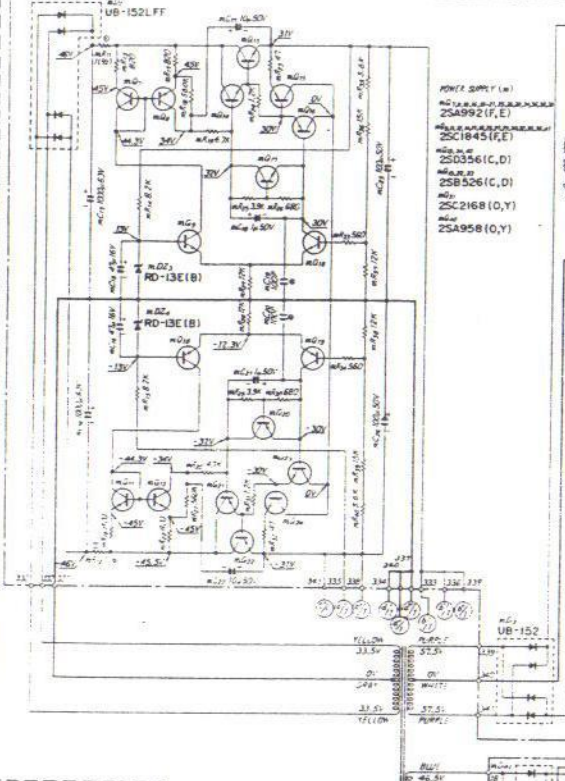
RESISTORS

Are in ohms, 100k, 1M, 2.5M
 Unless otherwise noted, R-10, R-100
 CONDUCTANCE
 Are in μ of ohms, otherwise noted, μ of
 100k, 1M, 2.5M
 Each Ω tolerance shown on the nominal value is half of its
 rated value

— Signal Line
 - - - N.F.B. Loop Line

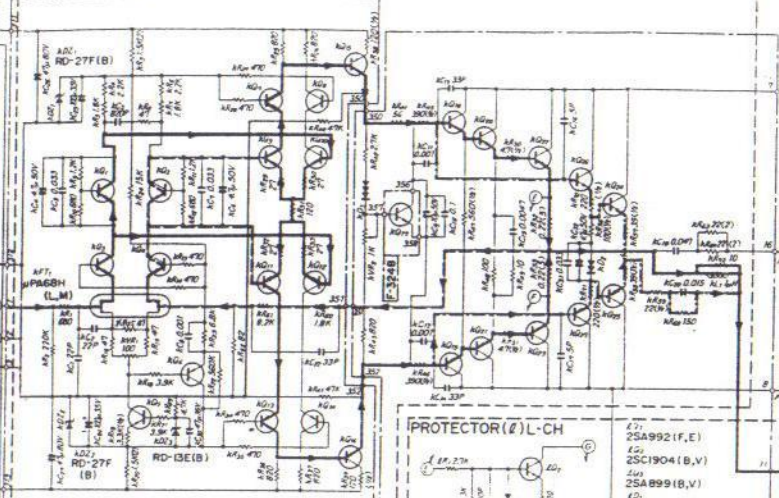
- 25A733
- 25A991
- 25A992
- 25C1844
- 25C1845
- HA12002
- NJ455ARD
- 25A899
- 25A939
- 25C1904
- 25C2071
- RD13E-B
- RD19E-B
- RD2 F-B
- RD9 1E-C
- 25B527
- 25D356
- 25D357
- 52473D
- 105 2
- 164 2
- 25A958
- 25A965
- 25C2238
- 25C2168
- MY 13
- MY 103
- UB152 LFF
- 32A170L-B
- 32C274L-B
- STV 3H
- 25K170
- 25J74
- UF 255
- 25K146
- UF 25R
- FABRH

POWER SUPPLY (m)



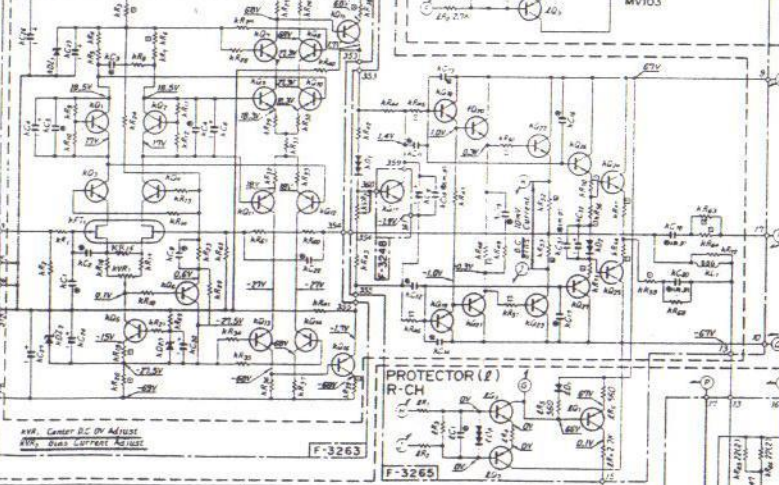
POWER SUPPLY (m)
 25A992 (F, E)
 25C1844 (K, E)
 25C1845 (K, E)
 25C356 (C, D)
 25B527 (C, D)
 25C2168 (O, Y)
 25A958 (O, Y)

POWER AMP (k) L-CH

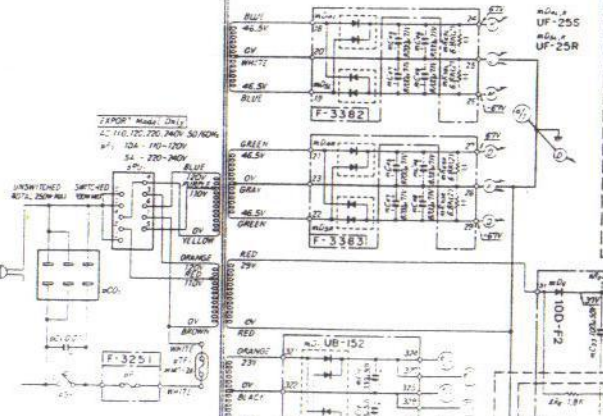


PROTECTOR (Z) L-CH
 25A992 (F, E)
 25C1904 (B, V)
 25A899 (B, V)
 25D473D
 MV103

POWER AMP (k) R-CH



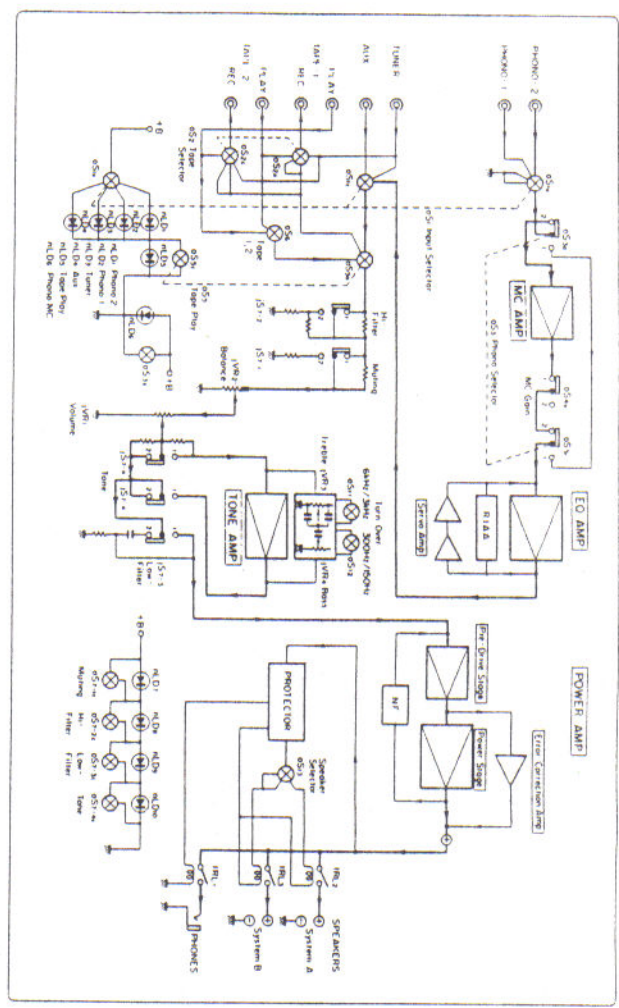
PROTECTOR (Z) R-CH
 25A992 (F, E)
 25C1904 (B, V)
 25A899 (B, V)
 25D473D
 MV103



INDICATOR (n)
 F-3260

SELECTOR (o)

1. BLOCK DIAGRAM



2. ADJUSTMENT

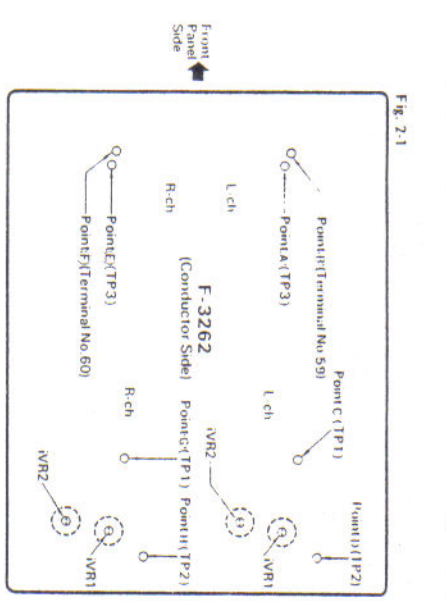
- Notes: 1. Before adjusting, set the unit in horizontally.
 2. Master Volume Minimum
 3. Room Temperature 18°C ~ 28°C (65°F ~ 83°F)
 4. For this adjustment, run the unit for more than 3 minutes after the power is switched ON.

2-1. F-3380 MC Head Amp Circuit Adjustment (See Fig. 2-2)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1	DC 0V Adj. (Off Set Voltage Adj.) <L-CH> <R-CH>	Voltage across hR4 <L-CH> (Between Point (A) and Point (B) (GND))	hV1 <L-CH>, F-3380	DC 0V	Before turning ON power switch, set hV1 center position.

2-2. F-3262 Equalizer Circuit Adjustment (See Fig. 2-1)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST
1	Center DC 0V Adj. <L-CH> <R-CH>	Between Point (A) (TP3) and Point (B) (GND); L-CH	hVR1 <L-CH>, F-3262
2	Center DC 0V Adj. <R-CH>	Between Point (E) (TP3) and Point (F) (GND); R-CH	hVR1 <R-CH>, F-3262
3	DC 0V Adj. (Servo), <L-CH>	Between Point (A) (TP3) and Point (B) (GND); L-CH	hVR2 <L-CH>, F-3262
4	DC 0V Adj. (Servo), <R-CH>	Between Point (E) (TP3) and Point (F) (GND); R-CH	hVR2 <R-CH>, F-3262

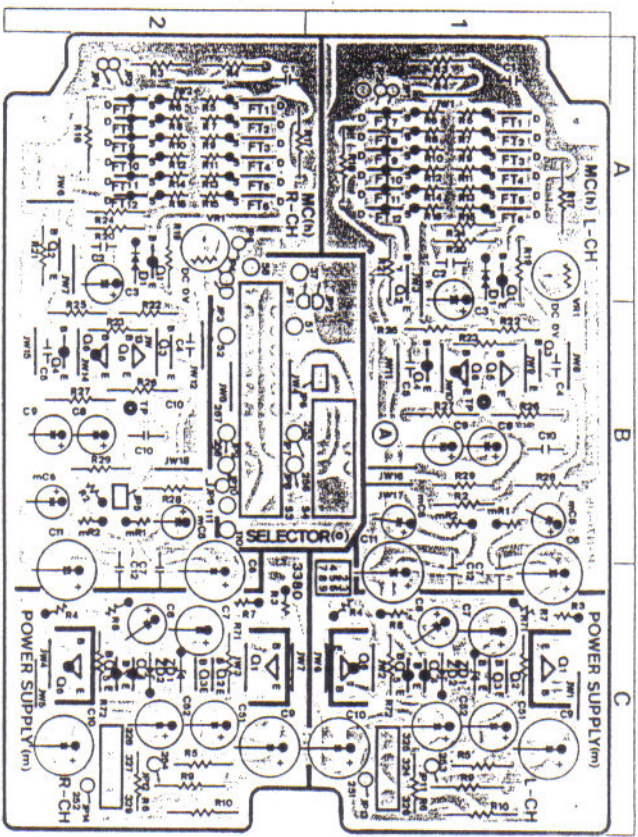


2-3. F-3262, F-3265 Power Amp. Circuit Adjustment (See Top View on page 1)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	A
1	Center DC 0V Adj. <L-CH>	Speaker Terminal <L-CH>	hVR1 <L-CH>, F-3263	DC
2	Center DC 0V Adj. <R-CH>	Speaker Terminal <R-CH>	hVR1 <R-CH>, F-3263	DC
3	Bias Current Adj. <L-CH>	TP Terminal (A) and (B) of F-3265	hVR2 <L-CH>, F-3265	6 ± 1
4	Bias Current Adj. <R-CH>	TP Terminal (C) and (D) of F-3265	hVR2 <R-CH>, F-3265	6 ± 1

- ◆ Notes when replacing FETs on F-3380
- ◆ There are four kinds of FET, tanks 25K170 (P-type) and 25174 (N-type) on F-3380, MC Head Amp Circuit Board. When re-
- ◆ Total quantity due to differ-

from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors, which was appended previously to Sansui Manual.



Parts List

Parts No.	Stock No.	Description
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•Transistor

NQ1	03011701	Z5A991
NQ2	03068501	Z5C1844
NQ3	03067401	Z5C1845
NQ4	03010901	Z5A992
NQ5	03068901	Z5C2071
NQ6	03010301	Z5A939

•FET

hFT1 ~4	07107801	Z5K1170 GR2, GR3
	07107802	Z5K1170 BL1, BL2
	07107803	Z5K1170 BL3, BL4
	07107804	Z5K1170 V1
hFT5	07107801	Z5K1170 GR2, GR3
	07107802	Z5K1170 BL1, BL2
hFT6	07107801	Z5K1170 GR2, GR3
hFT7~10	07107702	Z5J74 BL1, BL2
	07107703	Z5J74 BL3, BL4
	07107704	Z5J74 V1
hFT11	07107701	Z5J74 GR2, GR3
	07107702	Z5J74 BL1, BL2
hFT12	07107701	Z5J74 GR2, GR3

•Varistor

NQ1	03401500	NV-12
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Parts No. Stock No. Description

•Zener Diode

RDZ1	03162400	RDZ 1E.C
RDZ2	03162400	RDZ 1E.C
mR9	00184300	68Ω 1W N.I.R.
mR10	00184300	68Ω 1W N.I.R.

•Zener Diode

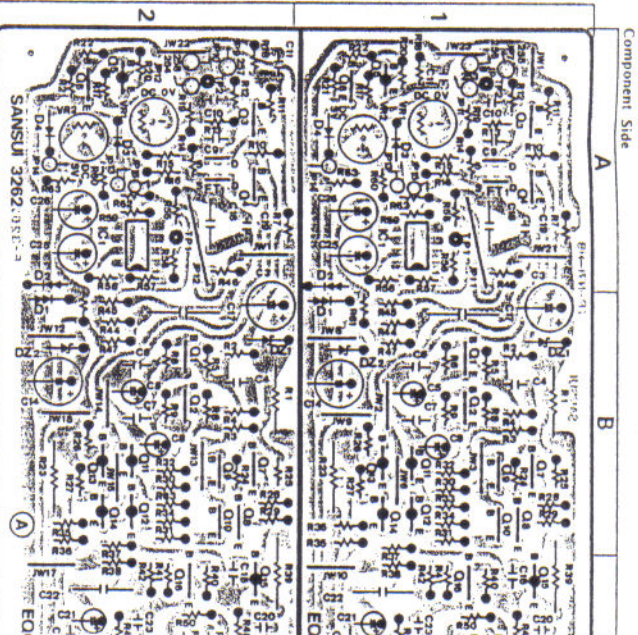
RDZ1	03162400	RDZ 1E.C
RDZ2	03162400	RDZ 1E.C
mR9	00184300	68Ω 1W N.I.R.
mR10	00184300	68Ω 1W N.I.R.

•Resistor

HC2	00411900	0.15μF 250V P.C.
HC4	00371700	33μF 125V P.C.
HC5	00371700	33μF 125V P.C.
HC7	00406400	0.22μF 100V M.C.
HC10	00406400	0.22μF 100V M.C.
HC12	00406400	0.22μF 100V M.C.

•Resistor

HVR1	10341800	Semi Variable Resistor, 330Ω (B)
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Parts List

Parts No.	Stock No.	Description
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•Transistor

IQ1	03067401	Z5C1845
IQ2	03067401	Z5C1845
IQ3	03067401	Z5C1845
IQ4	03067401	Z5C1845
IQ5	03010901	Z5A992
IQ6	03067401	Z5C1845
IQ7	03067401	Z5C1845
IQ8	03067401	Z5C1845
IQ9	03067401	Z5C1845
IQ10	03067401	Z5C1845
IQ11	03010901	Z5A992
IQ12	03010901	Z5A992
IQ13	03010901	Z5A992
IQ14	03010901	Z5A992
IQ15	03010901	Z5A992
IQ16	03067401	Z5C1845
IQ17	03067401	Z5C1845
IQ18	03067401	Z5C1845
IQ19	03010901	Z5C2071
IQ20	03068901	Z5C2071
IQ21	03010301	Z5A939

•Zener Diode

IDZ1	03162400	RDZ 1E.C
IDZ2	03162400	RDZ 1E.C

•Resistor

IR1	0017	4800
IR19	0017	4800
IR23	0017	4800
IR44	4800	4800
IR45	4800	4800
IR46	4800	4800
IR47	4800	4800
IR52	4801	4801

Parts No. Stock Description

•Zener Diode

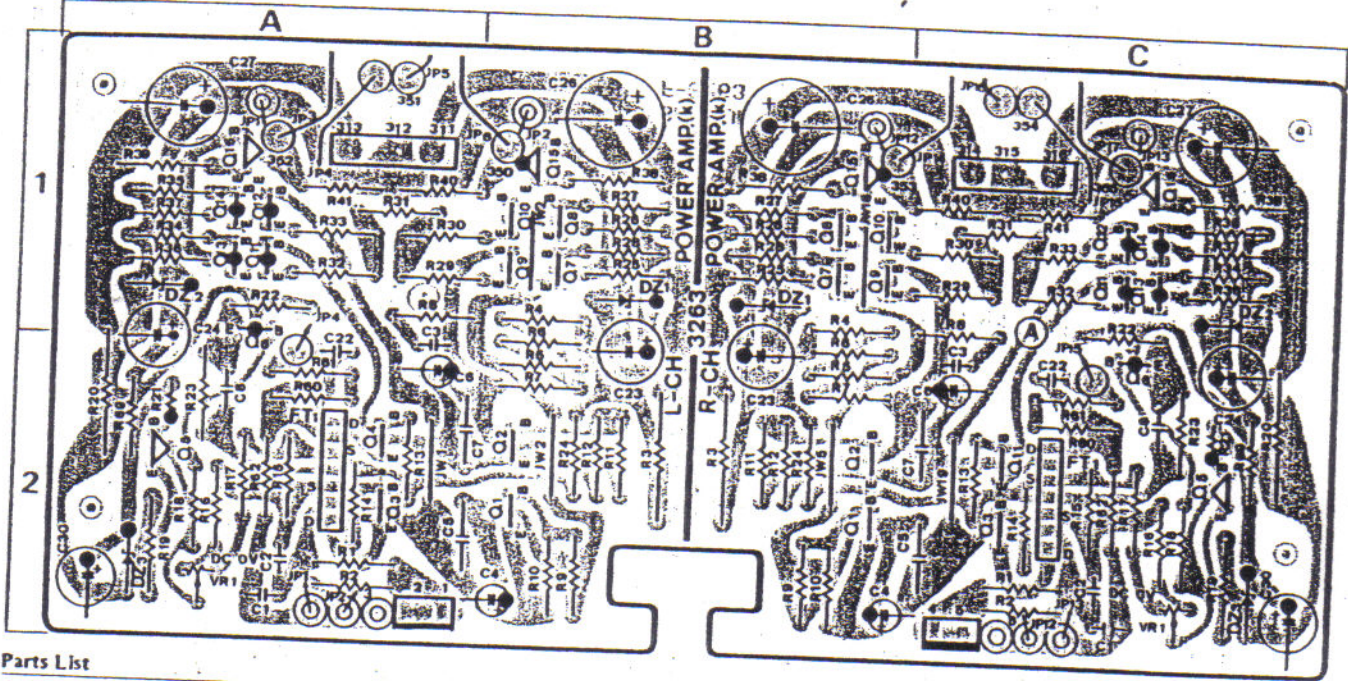
IDZ1	03162400	RDZ 1E.C
IDZ2	03162400	RDZ 1E.C

•Resistor

IR1	0017	4800
IR19	0017	4800
IR23	0017	4800
IR44	4800	4800
IR45	4800	4800
IR46	4800	4800
IR47	4800	4800
IR52	4801	4801

3-3. F-3263 Driver Amp. Circuit Board (Stock No. 07085301)

Component Side



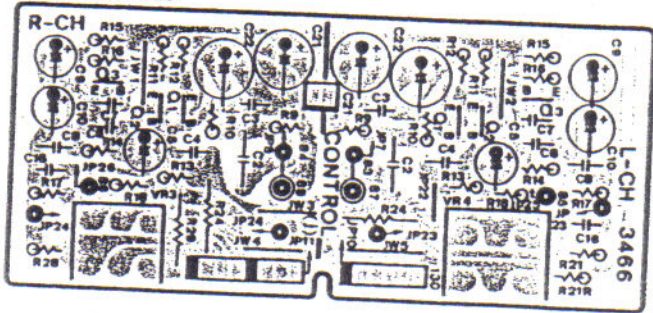
Parts List

Parts No.	Stock No.	Description
•Transistor		
kQ1	03067401	2SC1845
kQ2	03067401	2SC1845
kQ3	03067401	2SC1845
kQ4	03067401	2SC1845
kQ5	03064001	2SC1904
kQ6	03010901	2SA992
kQ7	03067401	2SC1845
kQ8	03067401	2SC1845
kQ9	03067401	2SC1845
kQ10	03067401	2SC1845
kQ11	03010901	2SA992
kQ12	03010901	2SA992
kQ13	03010901	2SA992
kQ14	03010901	2SA992
kQ15	03007901	2SA899
kQ16	03064001	2SC1904
•FET		
kFT1	07110000,1	μPA68H L, M

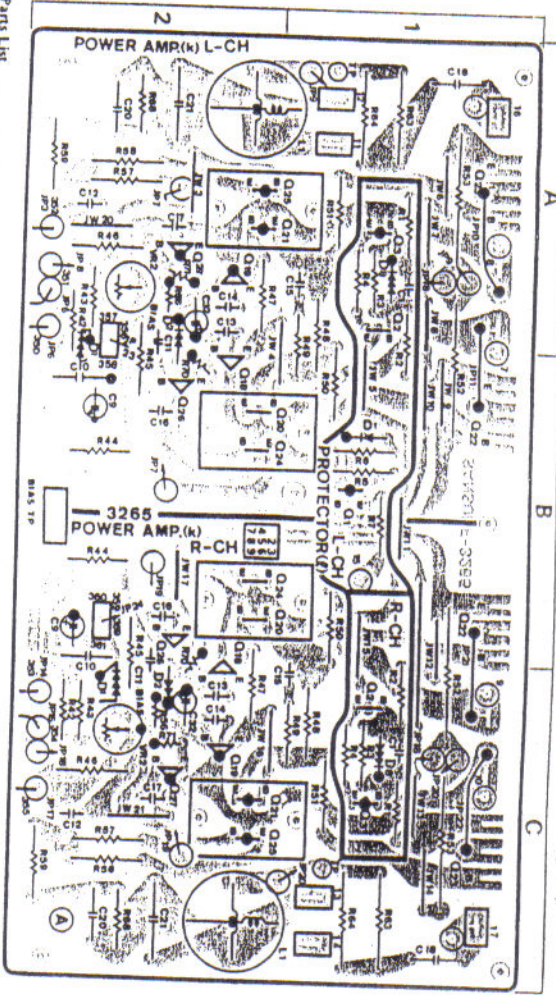
Parts No.	Stock No.	Description
•Zener Diode		
kDZ1	03171900	RD27F-B
kDZ2	03171900	RD27F-B
kDZ3	03163100	RD13E-B
kR3	00186900	1.5kΩ 2W N.I.R.
kR20	00186900	1.5kΩ 2W N.I.R.
kC1	00371200	22pF 125V P.C.
kC2	00371200	22pF 125V P.C.
kC5	00407400	0.033μF 100V M.C.
kC7	00407400	0.033μF 100V M.C.
kC8	00403800	0.001μF 100V M.C.
kC22	00371700	33pF 125V P.C.
kVR1	10335700	Semi Variable Resistor 100Ω (B), DC 0V

3-4: F-3466 Tone Control Amp. Circuit Board (Stock No. 00633701)

Component Side



Parts No.	Stock No.	Description
•Transistor		
jQ1	03067401	2SC1845
jQ2	03067401	2SC1845
jQ3	03010901	2SA992
jC2	00409800	0.33μF 100V M.C.
jC3	00371700	33pF 125V P.C.
jC4	00407800	0.047μF 100V M.C.
jC6	00371200	22pF 125V P.C.
jC7	00370100	10pF 125V P.C.
jC8	00407800	0.047μF 100V M.C.
jC16	00371400	27pF 125V P.C.
jVR3	07271700	Variable Resistor 100kΩ (C), bass
jVR4	07271700	Variable Resistor 100kΩ (C), treble



Parts List

Parts No.	Stock No.	Description
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Transistor

KD18	03064001	ZSC1904
KD19	03007901	ZSA899
KD20	03069301	ZSC2238
KD21	03012401	ZSA868
KD22	07156601	ZSC2774L8
KD23	07156601	ZSA1170LB
KD24	030069301	ZSC2238
KD25	03012401	ZSA868
KD26	03064001	ZSC1904
KD27	03007901	ZSA899

Parts No. Stock No. Description

KC12	00403800	0.001 μ F 100V M.C.
KC13	00371700	33 Ω F 125V P.C.
KC14	00371700	33 Ω F 125V P.C.
KC15	00405400	0.0047 μ F 100V M.C.
KC16	00372200	5 Ω F 125V P.C.
KC17	00372200	5 Ω F 125V P.C.
KC18	00411600	0.047 μ F 400V P.C.
KC20	00411300	0.015 μ F 630V P.C.
KC31	00411500	0.033 μ F 400V P.C.

Varistor

KD1	03401601	2 STV-3H Y, G
KD2	03401500	MV-12

Parts No. Stock No. Description

KL1	46027200	Inductor 2.5 μ H
KVRZ	10342100	Semi Variable Resistor 1K Ω (B), bias adj.

Diode

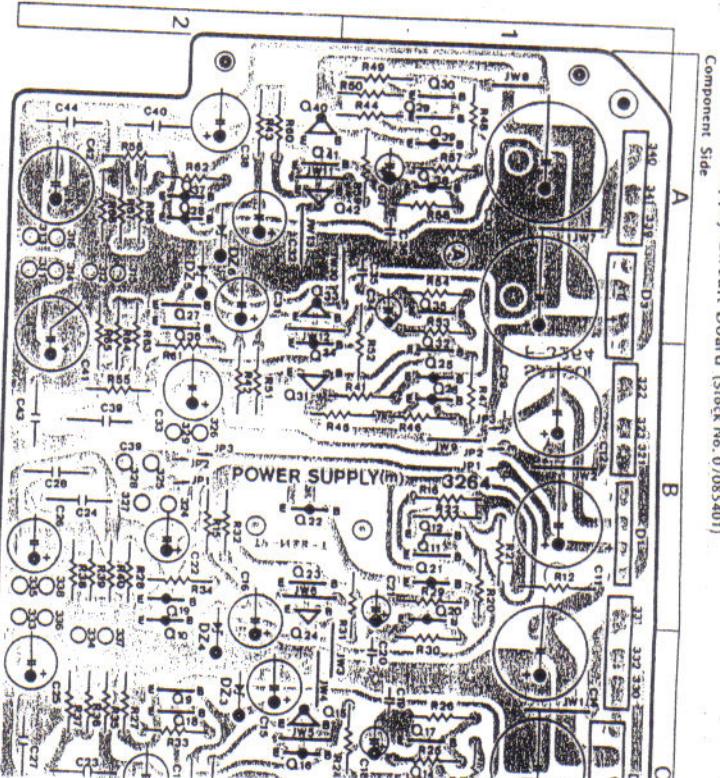
ID1	03111600	1S2473D
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Varistor

ID8	03401700	MV-103
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- Abbreviations
- C.R. Carbon Resistor
 - S.R. Solid Resistor
 - C.E.R. Cement Resistor
 - M.R. Metal Film Resistor
 - F.R. Fusible Resistor

- E.L. Low Leak Electrolytic Capacitor
- E.B. Bipolar Electrolytic Capacitor
- E.B.L. Low Leak Bipolar Electrolytic Capacitor



Parts List

Parts No.	Stock No.	Description
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Transistor

mQ7	03010901	ZSA992
mQ8	03010901	ZSA992
mQ9	03067401	ZSC1845
mQ10	03010901	ZSC1845
mQ11	03067401	ZSC1845
mQ12	03067401	ZSC1845
mQ13	03067401	ZSC1845
mQ14	03067401	ZSC1845
mQ15	03032801	ZSB826
mQ16	03010901	ZSA992
mQ17	03067401	ZSC1845
mQ18	03067401	ZSC1845
mQ19	03010901	ZSA992
mQ20	03010901	ZSA992
mQ21	03010901	ZSA992
mQ22	03032801	ZSB826
mQ23	03067401	ZSC1845
mQ24	03094401	ZSD356
mQ25	03010901	ZSA992
mQ26	03010901	ZSA992
mQ27	03067401	ZSC1845
mQ28	03010901	ZSA992
mQ29	03067401	ZSC1845
mQ30	03067401	ZSC1845

Parts No. Stock No. Description

mQ37	03010901	ZSA992
mQ38	03010901	ZSA992
mQ39	03010901	ZSA992
mQ40	03010501	ZSA992
mQ41	03067401	ZSC1845
mQ42	03064501	ZSD356

Diode

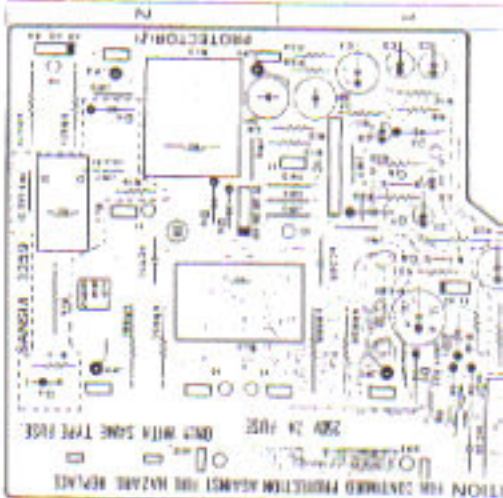
mD1	07193300	UB-152LF
mD2	07193300	UB-152LF
mD3	07193300	UB-152LF

General Diode

mDZ3	03163100	RD13E-B
mDZ4	03163100	RD13E-B
mDZ5	03163100	RD13E-B
mDZ6	03163100	RD13E-B

Capacitor

mC3	07258800	Z2P 200
mC4	07258800	Z2P 200
mC5	07262600	100 μ F 50V
mC6	07262600	100 μ F 50V
mC7	07258800	Z2P 200
mC8	07258800	Z2P 200



3-10. F-3239 Tap-Play Switch Circuit Board

Part No.	Stock No.	Description
410	0711300	Tap Switch

3-11. F-3240 Tap-Play 1/2 Selector Switch Circuit Board

Part No.	Stock No.	Description
416	0713900	Tap Switch

3-12. F-3248 Bias Compensating Circuit Board

Part No.	Stock No.	Description
421	0706000	PC BOARD

3-13. F-3250 Head Phone Jack Circuit Board

Part No.	Stock No.	Description
430	0700200	Head Phone Jack

3-14. F-3251 Speaker Switch Circuit Board

Part No.	Stock No.	Description
431	0710200	S.S.W. TH. K.H.

3-15. F-3253 Control Circuit Board

Part No.	Stock No.	Description
432	0710000	Control Board M.C.
433	0711000	Control Board M.C.

3-16. F-3255 Master Volume Circuit Board

Part No.	Stock No.	Description
447	0771800	Vol. Switch

3-17. F-3257 Muting, Substr

Part No.	Stock No.	Description
454	0705000	Light
455	0706000	Light

3-18. F-3260 Power Indicator

Part No.	Stock No.	Description
459	0701000	LED

3-19. F-3261 Input Mode Inv

Part No.	Stock No.	Description
460	0703000	Light
461	0704000	Light
462	0705000	Light

3-20. F-3382 Rectifier Circuit

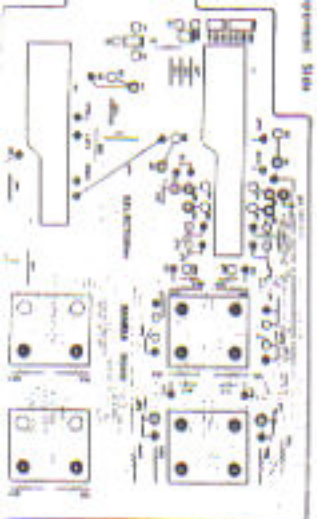
Part No.	Stock No.	Description
466	0702000	LF 50
467	0703000	LF 20

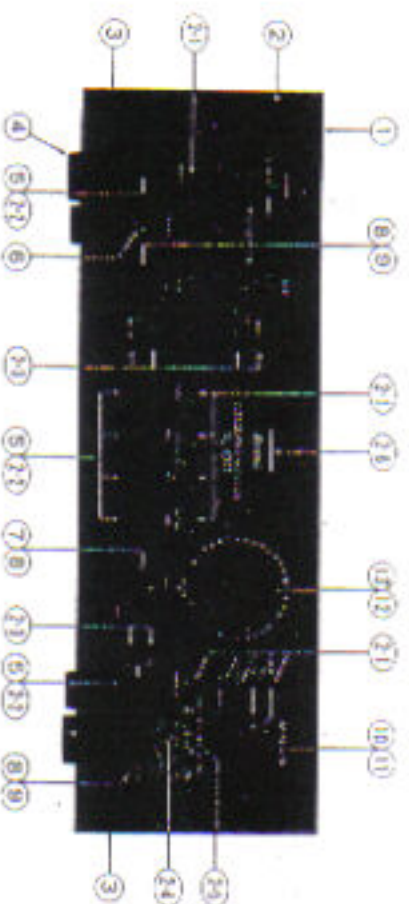
3-21. F-3383 Rectifier Circuit

Part No.	Stock No.	Description
468	0702000	LF 50
469	0703000	LF 20

*The circuit board, F-3248, F-3249, F-3247, F-3256, F-3246, F-3244, F-3258, F-3251, F-3253, F-3255, F-3257, F-3260, F-3261, F-3262 & F-3263 are not supplied as the standard. However, the individual items on the circuit board are provided by order.

F-3249 Input Terminal Circuit Board





Part List -Front View-

Part No.	Stock No.	Description
1	02080010	Wind Burner
2	07292000	Flyer Panel Assy
2-1	07518000	Indicator Panel Assy
2-2	02081200	Push Knob Control, POWER II, TONE
2-3	07517000	FILTERS, MOUNTING, TAPE PLAYS
2-4	11081500	Push Knob Assy, PHONO SELECTOR
2-5	07518100	MC GAIN
2-6	07567100	Indicator Fuse (4-eyes)
3	07567200	Power Sop Frame
4	07567300	Leg
5	07567400	Push Knob, POWER II, TONE
6	07567500	FILTERS, MOUNTING, TAPE PLAYS
7	07567600	Head Phone Jack
8	07567700	Knob, BALANCE
9	07567800	Knob, BALANCE
10	07567900	Knob, INPUT SELECTOR
11	07568000	Knob, INPUT SELECTOR
12	07568100	Knob, VOLUME
13	07568200	Knob, VOLUME

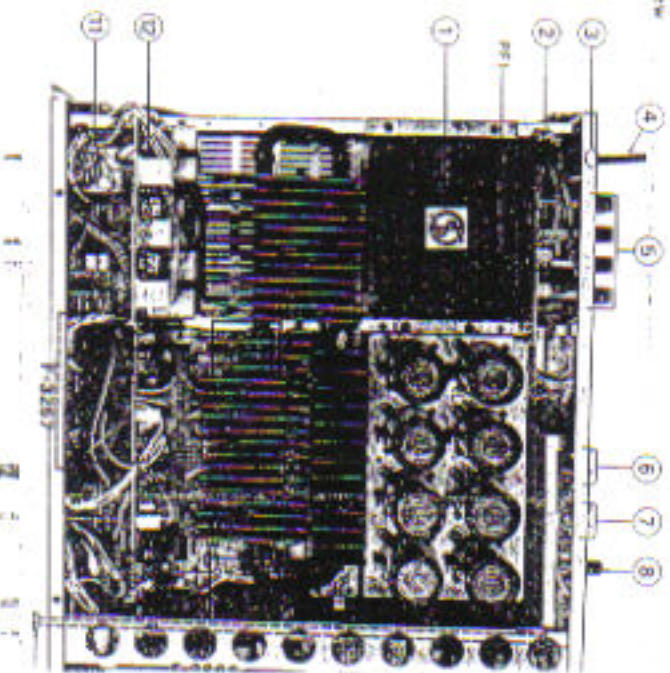
Part List -Top, Bottom View-

Part No.	Stock No.	Description
1	10000001	Power Transformer
2	07712000	AC Outlet
3	28107000	100W Resistor
4	28024100	Power Supply Cord
5	07720000	SP Speaker Terminal
6	22000000	40 Input Terminal, 100W, 40W
7	22000000	40 Input Terminal, 40W, 1.2
8	22000000	Ground Terminal
9	62060010	Connector, 100W, 40W
10	62060010	Connector, 40W, 10W
11	00280000	Bludge, 150V, C.C.
12	01250000	Power Switch, power
13	22000000	40 Input Terminal, 100W, 40W
14	22000000	40 Input Terminal, 40W, 1.2

W-CMD-48 07292000 8200W* 71V E.C.

#P1 07518000 Fuse 10A, 250V (110V - 120V)

07518100 Fuse 5A, 250V (220 - 240V)



4-3. Bottom View

