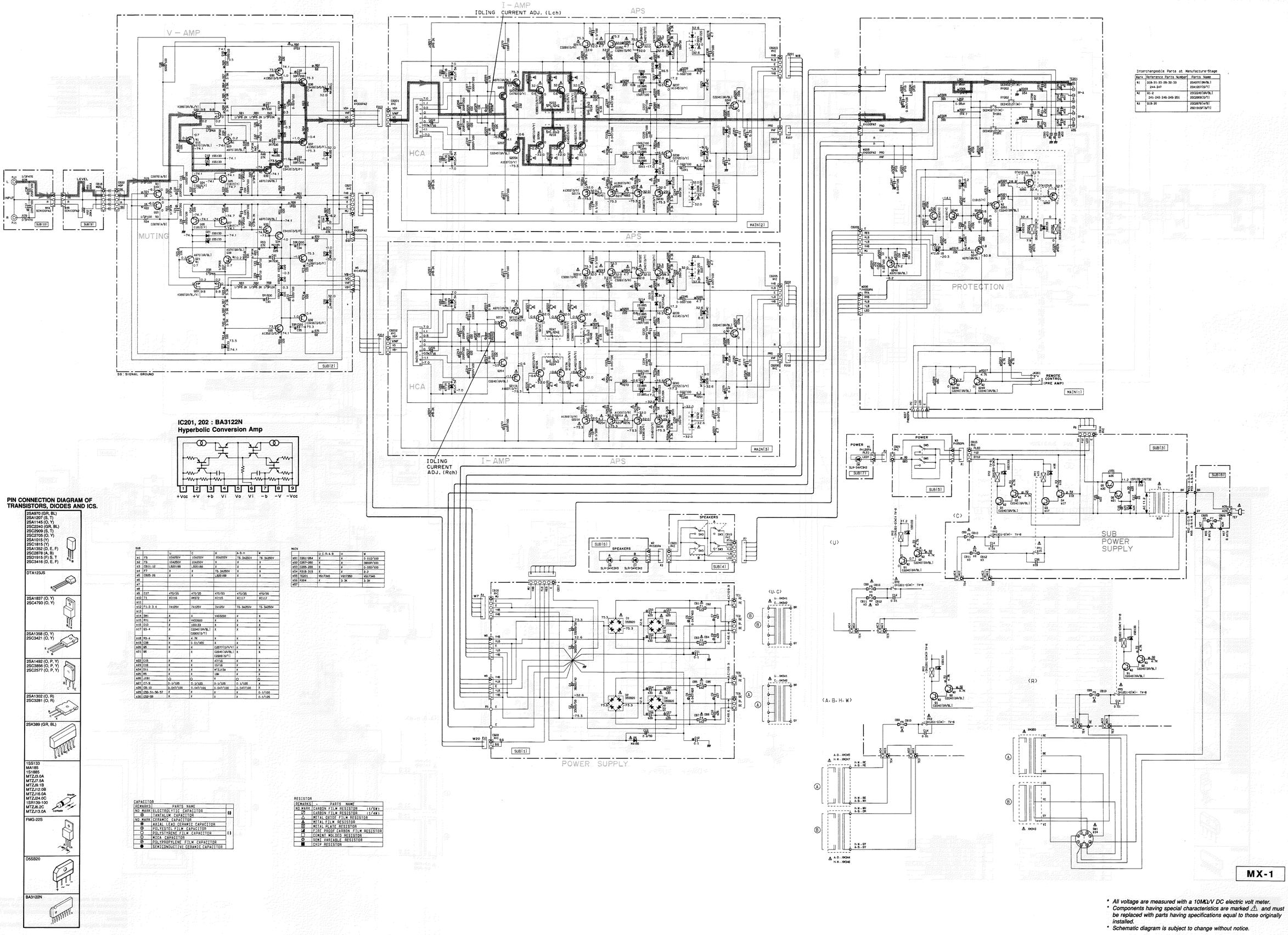
■ MX-1 SCHEMATIC DIAGRAM

MX-1



IC201, 202 : BA3122N
Hyperbolic Conversion Amp

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

SUB

		U	C	R	A·B·H	W
s1	F5	10A250V	10A250V	20A250V	TS-3A250V	TS-3A250V
s2	F6	10A250V	10A250V	X	X	X
s3	CB11-12	LB20188	LB20188	X	X	X
s4	F7	X	X	TS-3A250V	X	X
s5	CB25-26	X	X	LB20188	X	X
s6						
s7						
s8						
s9	C17	470/25	470/25	470/63	470/25	470/25
s10	T1	XC116	XM372	XC115	XC117	XC117
s11						
s12	F1·2·3·4	7A125V	7A125V	7A125V	TS-3A250V	TS-3A250V
s13						
s14	SW1	X	X	VA03250	X	X
s15	RY1	F	VK53020	X	X	X
s16	Q10	F	1SS133	X	X	X
s17	Q3-4	X	C2240(GR/BL)[S/T] C2500[S/T]	X	X	X
s18	R3-4	X	4.7K	X	X	X
s19	C38	X	0.01/400	X	X	X
s20	Q5	X	X	C2577[S/Y] C2240[GR/BL]	X	X
s21	Q6	X	X	C2240[GR/BL] C2500[S/T]	X	X
s22	C15	X	X	47/16	X	X
s23	C16	X	X	10/16	X	X
s24	D11	X	X	MTZJ15A	X	X
s25	R5	X	X	18K	X	X
s26	J101	O	O	X	O	O
s27	C7-8	0.1/125	0.1/125	0.1/125	0.1/125	X
s28	CB-10	0.047/100	0.047/100	0.047/100	0.047/100	X
s29	CB2-3,5-6,57	X	X	X	X	0.1/100
s30	CS2-59	X	X	X	X	0.1/125

MAIN

		U·C·R·A·B	H	W
s51	C251-264	X	X	0.012/100
s52	C257-260	X	X	3900P/100
s53	C205-208	X	X	0.022/100
s54	1S1B-319	X	X	A-2
s55	TS201	VS17345	VS17350	VS17345
s56	R304	F	3.3K	3.3K
s57				

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
k1	S1B-31-33-35-36-39 244-247	2SA970(BK/BL) 2SA1207(S/T)
k2	S1-2 241-243-245-249-251	2SC2240(GR/BL) 2SC2909(S/T)
k3	S1B-20	2SC2878(A/B) 2SD1915(F)S/T)

CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	耐
◎	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
✱	AXIAL LEAD CERAMIC CAPACITOR	
◎	POLYESTEL FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	特
①	MICA CAPACITOR	
◈	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

RESISTOR

REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR	(1/6W)
☒	CARBON FILM RESISTOR	(1/4W)
△	METAL OXIDE FILM RESISTOR	
▲	METAL FILM RESISTOR	
⊠	METAL PLATE RESISTOR	
◪	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
⊘	SEMI VARIABLE RESISTOR	
■	CHIP RESISTOR	

* All voltage are measured with a 10MΩ/V DC electric volt meter.
* Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

MX-2

■ MX-2 SCHEMATIC DIAGRAM

V – AMP

I – AMP

APS

HCA

PROTECTION

POWER SUPPLY

SUB POWER SUPPLY

REMOTE CONTROL (PRE AMP)

IDLING CURRENT ADJ. (Lch)

IDLING CURRENT ADJ. (Rch)

SPEAKERS

IC201, 202 : BA3122N
Hyperbolic Conversion Amp

+Vcc +V +b Vi Vo Vi −b −V −Vcc

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

2SA970 (GR, BL)
2SA1207 (S, T)
2SA1145 (O, Y)
2SC2240 (GR, BL)
2SC2909 (S, T)
2SC2705 (O, Y)
2SA1015 (Y)
2SC1815 (Y)
2SC2878 (A, B)
2SD1915 (F) S, T

DTA123JS

2SA1837 (O, Y)
2SC4793 (O, Y)

2SA1358 (O, Y)
2SC3421 (O, Y)

2SA1492 (O, P, Y)
2SC3856 (O, P, Y)
2SC2577 (O, P, Y)

2SK389 (GR, BL)

1SS133
MA165
1S1885
MTZJ3.0A
MTZJ7.5A
MTZJ9.1B
MTZJ12.0B
MTZJ16.0A
MTZJ24.0C
1SR139-100
MTZJ6.2C
MTZJ13.0A

FMG-22S

D5SB20

BA3122N

Interchangeable Parts at Manufacturer-Stage

Mark	Reference Parts Number	Parts Name
★1	016-21-23-29-30-33 244-247	2SA970(GR/BL) 2SA1207(S/T)
★2	01-2 241-243-245-249-251	2SC2240(GR/BL) 2SC2909(S/T)
★3	019-20	2SC2878(A/B) 2SD1915F(S/T)

SUB		U	C	R	A-B-H	W
★1	F5	8A250V	8A250V	15A250V	TS-3A250V	TS-3A250V
★2	F6	8A250V	8A250V	X	X	X
★3	CB11-12	LB01188	LB02188	X	X	X
★4	F7	X	X	TS-3A250V	X	X
★5	CB35-39	X	X	LB01188	X	X
★6	RV2	VD50500	VD50500	VE56890	VE56890	VE56890
★7						
★8						
★9	C47	470/25	470/25	470/63	470/25	470/25
★10	T1	XC118	AM372	XC115	XC117	XC117
★11	F1-2-3-4	7A125V	7A125V	7A125V	TS-3A250V	TS-3A250V
★13						
★14	SW1	X	X	VA03200	X	X
★15	RV1	X	VD50500	X	X	X
★16	D10	X	1SS133	X	X	X
★17	R3-4	X	C02401(GR/BL) C2009(S/T)	X	X	X
★18	R5-4	X	4.7K	X	X	X
★19	C36	X	0.01/400	X	X	X
★20	Q5	X	X	C02771(O/Y) C02401(GR/BL) C2009(S/T)	X	X
★21	Q6	X	X			
★22	C15	X	X	47/16	X	X
★23	C16	X	X	10/16	X	X
★24	D11	X	X	MTZJ13A	X	X
★25	R6	X	X	18K	X	X
★26	J101	O	O	X	O	O
★27	C7-9	0.1/125	0.1/125	0.1/125	0.1/125	X
★28	CB-10	0.047/100	0.047/100	0.047/100	0.047/100	X
★29	CB2-51-56-57	X	X	X	X	0.1/100
★30	CB2-58	X	X	X	X	0.1/125

MAIN		U-C-H-A-B	H	W
★51	C251-254	X	X	0.018/100
★52	C263-266	X	X	3900P/100
★53	C265-266	X	X	0.039/100
★54	R256-259	X	X	0.2
★55	T201	VL80S15	VL80S20	VL80S15
★56	X304	X	3.3K	3.3K
★57				

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
※	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
◉	AXIAL LEAD CERAMIC CAPACITOR
◎	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
◇	MICA CAPACITOR
◉	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
☑	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊗	METAL PLATE RESISTOR
◪	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊘	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

- *All voltage are measured with a 10MΩ/V DC electric volt meter.*
- *Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*
- *Schematic diagram is subject to change without notice.*