

TEST POINT CONDITIONS FOR PREAMP:

CONDITION "A"= CHANNEL A, GAIN 1 SELECTED, GAIN 1 @ '10', LOW & HIGH @ 'S', LEVEL @ '10', REV @ '0', 1KHZ 40mV SINE WAVE INPUT.

CONDITION "B"= CHANNEL A, GAIN 2 SELECTED, GAIN 2 @ '10', LOW, HIGH @ SHAPE 'S', LEVEL @ '10', REV @ '0', 1KHZ 40mV SINE WAVE INPUT.

CONDITION "C"= CHANNEL B, LEVEL @ '10' LOW, MID, HIGH @ 'S', REV @ '0', 1KHZ 130mV SINE WAVE INPUT.

TP	CONDITION "A"	CONDITION "B"	CONDITION "C"
1	~ .48Up-p	~ .48Up-p	~ 1.5Up-p
2	~ 5.2Up-p	~ 16Up-p	~ 5.4Up-p
3	~ 6.4Up-p	~ 7Up-p	~ .55Up-p
4	~ 5Up-p	~ 5Up-p	~
5	~ 12Up-p	~ 14Up-p	~
6	~ 2.8Up-p	~ 2.8Up-p	~ 9Up-p
7	~ 6Up-p	~ 8Up-p	~ 6Up-p
8	~ 6Up-p	~ 8Up-p	~ 6Up-p

TEST POINT CONDITIONS FOR POWER AMP:
1KHZ SINE WAVE INPUT INTO INSERT TIP, 4 OHM LOAD.

TP	AC	DC
9	1Up-p	0
10	.65Up-p	.23
11	32.5Up-p	1.3
12	32.5Up-p	-.06
13	30Up-p	0
14	1.5Up-p RIPPLE	3S
15	1.5Up-p RIPPLE	-3S

SWITCHING LOGIC:

	A	B	C
CHAN A GAIN1	-10	+10	0
CHAN A GAIN2	-10	0	+10
CHAN B CLEAN	0	+10	0U or +10U

ASSY #	DESCRIPTION	DRAWING SHEET
07-252-01	GFX-65A	1
07-252-11	GFX-120A	
07-252-21	GFX-120HA	
07-252-02	GX-65A	2
07-252-12	GX-120A	
07-252-22	GX-120HA	

NOTES:

- CAUTION: SHOCK HAZARD!! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION: THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

REV	DATE	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
0	10/5/98	CONTROL ISSUE	-	-	-	-

THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

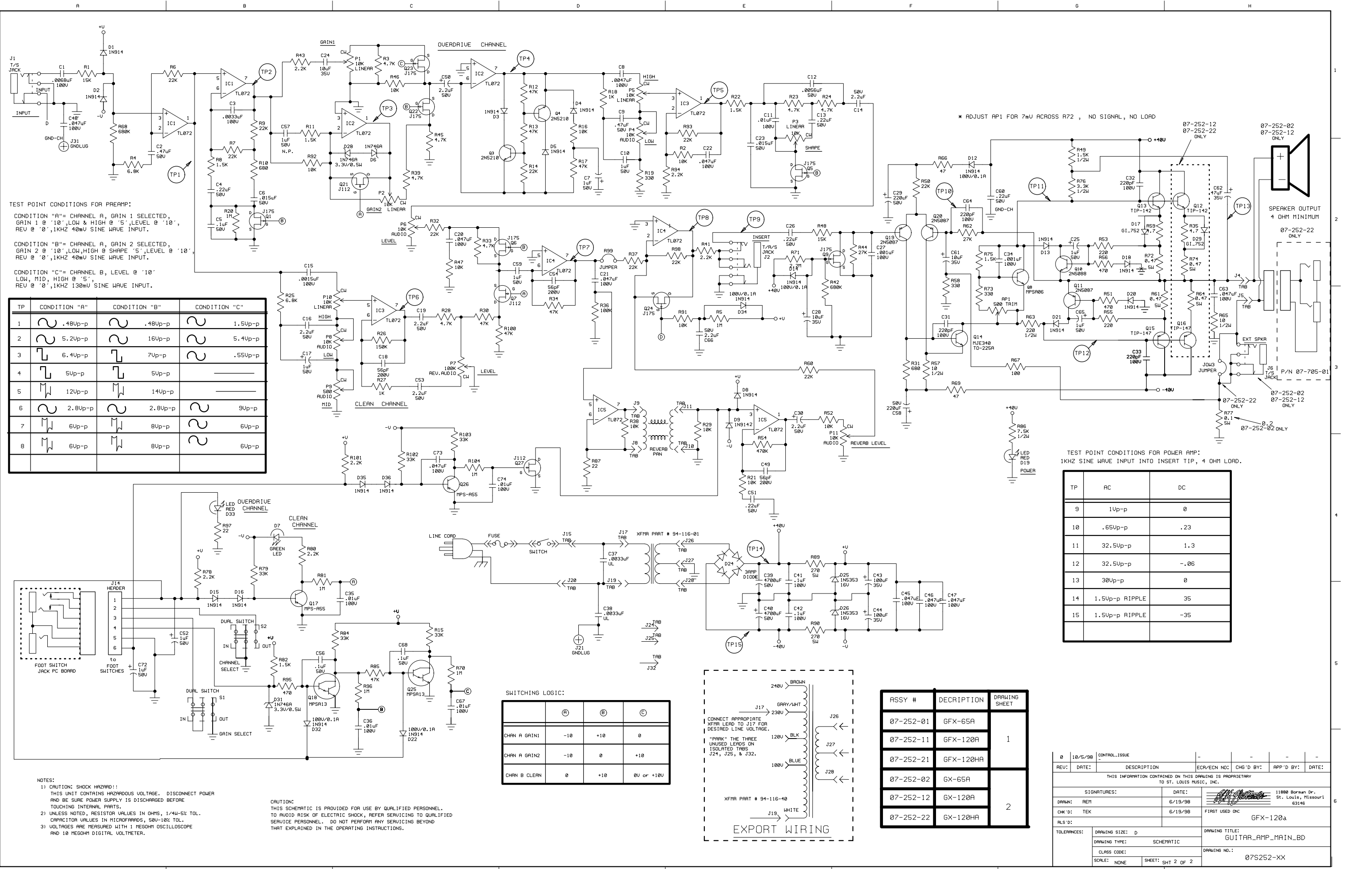
SIGNATURES: _____ DATE: 6/19/98 11888 Borman Dr. St. Louis, Missouri 63146

DRAWN: REM
CHK'D: TEK
RSL'D:

DRAWING SIZE: D
DRAWING TYPE: SCHEMATIC
CLASS CODE:
SCALE: NONE SHEET: SHT 1 OF 2

DRAWING TITLE: GUITAR_AMP_MAIN_BD
DRAWING NO.: 07S252-XX

FIRST USED ON: GFX-120a



TEST POINT CONDITIONS FOR PREAMP:

CONDITION "A" = CHANNEL A, GAIN 1 SELECTED, GAIN 1 @ '10', LOW & HIGH @ '5', LEVEL @ '10', REV @ '0', 1KHZ 40mV SINE WAVE INPUT.

CONDITION "B" = CHANNEL A, GAIN 2 SELECTED, GAIN 2 @ '10', LOW, HIGH @ SHAPE '5', LEVEL @ '10', REV @ '0', 1KHZ 40mV SINE WAVE INPUT.

CONDITION "C" = CHANNEL B, LEVEL @ '10', LOW, MID, HIGH @ '5', REV @ '0', 1KHZ 130mV SINE WAVE INPUT.

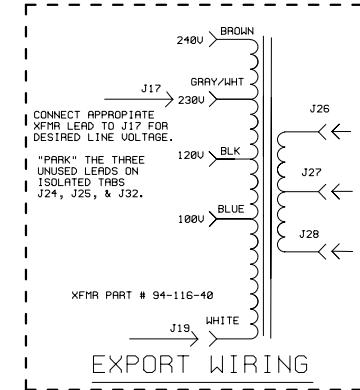
TP	CONDITION "A"	CONDITION "B"	CONDITION "C"
1	~ .48Vp-p	~ .48Vp-p	~ 1.5Vp-p
2	~ 5.2Vp-p	~ 16Vp-p	~ 5.4Vp-p
3	~ 6.4Vp-p	~ 7Vp-p	~ .55Vp-p
4	~ 5Vp-p	~ 5Vp-p	~
5	~ 12Vp-p	~ 14Vp-p	~
6	~ 2.8Vp-p	~ 2.8Vp-p	~ 9Vp-p
7	~ 6Vp-p	~ 8Vp-p	~ 6Vp-p
8	~ 6Vp-p	~ 8Vp-p	~ 6Vp-p

TEST POINT CONDITIONS FOR POWER AMP:
1KHZ SINE WAVE INPUT INTO INSERT TIP, 4 OHM LOAD.

TP	AC	DC
9	1Vp-p	0
10	.65Vp-p	.23
11	32.5Vp-p	1.3
12	32.5Vp-p	-.06
13	30Vp-p	0
14	1.5Vp-p RIPPLE	35
15	1.5Vp-p RIPPLE	-35

SWITCHING LOGIC:

	(A)	(B)	(C)
CHAN A GAIN1	-10	+10	0
CHAN A GAIN2	-10	0	+10
CHAN B CLEAN	0	+10	0V or +10V



ASSY #	DESCRIPTION	DRAWING SHEET
07-252-01	GFX-65A	1
07-252-11	GFX-120A	
07-252-21	GFX-120HA	
07-252-02	GX-65A	2
07-252-12	GX-120A	
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0 10/5/98 CONTROL ISSUE

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SIGNATURES: DATE: 11880 Borman Dr. St. Louis, Missouri 63146

DRAWN: REM 6/19/98

CHK'D: TEK 6/19/98

ALS'D:

TOLERANCES: DRAWING SIZE: D DRAWING TITLE: GUITAR_AMP_MAIN_BD

DRAWING TYPE: SCHEMATIC

CLASS CODE:

SCALE: NONE SHEET: SHT 2 OF 2 DRAWING NO.: 07S252-XX