

p/n 021-7100-000 (120V)









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### '59 BASSMAN

(This is the model name for warranty claims)

# SERVICE MANUAL

February 1990

# **IMPORTANT NOTICE:**

The information contained herein is CONFIDENTIAL and PROPRIETARY to Fender Musical Instruments Corp. It is disclosed solely for use by qualified technicians for purposes of equipment maintenance and service. It may not be disclosed to others without the expressed permission of Fender Musical Instruments Co. All specifications subject to change without notice.

Only Fender specified part numbers are to be used for warranty repair service. It is recommended they also be used for post-warranty maintenance and repair.

Parts marked with an asterisk (\*) indicate the required use of that specific part. This is necessary for RELIABILITY and SAFETY requirements. **DO NOT USE A SUBSTITUTE!** 

A coded naming convention is used in the description of certain parts. The codes and what they mean are as follows:

CAPACITOR	HARDWARE CODES			
CAP AE = CAP CA =	Aluminum Electrolytic Ceramic Axial	BLX CR	= =	Black Oxide Chrome Plated
CAP CD = CAP MPF =	Ceramic Disk Metalized Polyester Film	HWH M	=	Hex Washer Head Machine Screw
CAP MY =	Mylar	NI	=	Nickel Plated
CAP PFF =	Polyester Film/Foil	OHP PB	=	Oval Head Phillips Particle Board
RESISTOR C	ODES	PHP PHPS	= =	Pan Head Phillips Pan Head Phillips Sems
RES CC = RES CF =	Carbon Comp Carbon Film	SMA SMB	= =	Sheet Metal "A" Point Sheet Metal "B" Point
RES FP = RES MF =	Flame Proof Metal Film	SS TF	= =	Stainless Steel Thread Forming
RES WW =	Wire Wound	ZI	=	Zinc Plated

#### **\*\*\*** PCB ASSEMBLY **\*\*\***

QT	Y PA	RT #	DESCRIE	TION			REFEREN	CE DESIGNATION
1	03	6358	PCB FAR	3			PC1	(BLANK)
1	03	6359	PCB ASS	SEMBLY	(120V)		PCB1	(STUFFED)
1	03	6634	PCB ASS	SENBLY	(EXPORT	:)	PCB1	(STUFFED)
2	03	6464	CONTROL	. 1M "L	INEAR S	SPL D"	R10,11	(VOL-NOR, BRI)
1	03	6465	CONTROL	. 250K	"LINE	AR D"	R18	(TREB)
1	03	6466	CONTROL	. 1M	"10≸ A	UDIO"	R19	(BASS)
2 4	03	6467	CONTROL	, 25K	"LINE	AR D"	R20,23	(MID, PRES)
4	02	4833	CAPACIT	COR RF	.022uF	400V	C2,3,7,	8
2	02	4855	CAPACIN	COR RF	.luF	630V -	C12,13	
1	02	4846	CAPACIT	COR RF	.047uF	630V	C15	
1	02	4854	CAPACIT	COR RF	.luF	400V	C6	
1	02	4853	CAPACIS	FOR RF	.luF	250V	C9,10	
1	06	9724	CAPACI: CAPACI: CAPACI:	COR CD	100pF	1 K V	С4	
1	02	0917	CAPACI:	FOR CD	250pF	1 K V	C5	
1	02	0909	CAPACIT	COR CD	47pF	1 K V	C11	
2 2	02	8953	CAPACIS	FOR AE	100uF	350V	C16,17	
2	02					350V		
3		4855	CAPACIS	FOR AE	22uF	500V	C20,21,	24
2	- 03	1069	CAPACI	FOR RE	10uF	100V	C22,23	
1	. 02	8479	CAPACI	FOR RE	220uF	25 V	C1	
1	01	8764	CAPACI	FOR AC	.01uF	125VAC	C14 (	DOMESTIC ONLY)
1		6469	RESFP			5%	R38	
1	03	6470	RESFP		1/2W		R39	
2	03	6468	RESFP		1/2W		R32,33	
1		7353		100K	1 W	5 🐔 👘	R16	
1		6621	RESCF	6.8K	1 W	5%	R21	
- 4		5116		100K	1/2W	57	R8,9,14	,29
1	02	5115	RESCE	82K	1/2W	5 🐔	R28	
2	02	5109	RESCF	47	1/2W		R42,43	
. 4	02	5117		220K	1/2W		R34-37	
भ		4995	RESCF	68K	1/4W		R1,2,4,	
4		5069	RESCF	1 M	1/4W	5%	R3,6,24	,25
2		4964	RESCF	820	1/4W	5%	R7,15	
2		5060	RESCF	270K	1/4W	5%	R12,13	
1		4977	RESCF	4.7K	1/4W	5%	R22	
2		5059	RESCF	220K	1/4W	5%	R30,31	
1		4988	RESCF	27K	1/4W	5%	R27	
1		4961	RESCF	470	1/4W	5%	R26	
1		4994	RESCF	56K	1/4W	5%	R4 1	
1		4997	RESCF	100K	1/4W	5%	R17	
2	02	4947	RESCF	47	1/4W	5%	R44,45	

#### \*\*\* PCB ASSEMBLY (CONTINUED) \*\*\*

QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
1	028016	RESCF 22K 1/4W 5%	R40
1	064089	DIODE 1N4003	CR2
1	028503	THERMISTOR	TH-1
9	025936	STAND-OFF NY 3/8	ST1-9
9 7	026000	FASTON .187	CP23-25,31-34
20	025802	FASTON .250 (DOMESTIC)	CP1-7,9-11,13,17-19,
			15,21,22,35-37
23	025802	FASTON .250 (EXPORT)	CP1-4,6-8,10,12-14,16
			18,20-22,26-30,36,37
2	013681	FUSE 5mm 5AT	F2,6 (EXPORT)
2	013111	FUSE 5mm 500mAT	F3,4 (EXPORT)
1	013109	FUSE 5mm250mA	F5 (EXPORT)
10	020775	FUSE CLIP 5mm	XF2-6 (EXPORT)
2	025996	FUSE CLIP DUAL	XF7
1	036637	WIRE SET	WS1
4	026315	FASTON .187	FT1-4 (FOR WS1)

#### \*\*\* CHASSIS ASSEMBLY \*\*\*

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QTT	PART #	DESCRIPTION	REFERENCE DESIGNATION
1	036651	CHASSIS ASS'Y COMPLETE	CH1 (120V)
1	036652	CHASSIS ASS'Y COMPLETE	CH1 (240V)
1	036653	CHASSIS ASS'Y COMPLETE	CH1 (220V)
1	036654	CHASSIS ASS'Y COMPLETE	CH1 (100V)
i	036138	CHASSIS W/SCREEN - 3A	CS1 (100/120V)
1	036656	CHASSIS w/SCREEN - 1.6A	CS1 (220/240V)
1	036494	COVER, CAPACITOR	CC1
1	036483	TRANSFORMER POWER	T2 (120V)
1	036484	TRANSFORMER POWER	T2 (100/220/240V)
1	036485	TRANSFORMER OUTPUT	T1
1	036486	CHOKE	L1
1	026541	CABLE ASS'Y POWER	LC1 (100/120V)
1	033331	CABLE ASS'Y POWER	LC1 (220/240V)
4	068270	JACK PHONE	J1-4 (INPUTS)
Ц	024018	JACK PHONO	J5-8 (SPEAKERS)
1	036638	WIRE SET	WS2 (120V)
5	025737	FASTON .250	FT5-9 (FOR WS2)
9	026475	FASTON .250 RT. ANGLE	FT10-18 (FOR WS2)
1	036715	WIRE SET	WS3 (100/220/240V)
4	025737	FASTON .250	FT18-21 (FOR WS3)
3	026475	FASTON .250 RT. ANGLE	FT22-24 (FOR WS3)
2	023556	TUBE 6L6GC	V4,5

#### \*\*\* CHASSIS ASSEMBLY (CONTINUED) \*\*\*

QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
3	013341	TUBE 12AX7A/7025	V1-3
1	036472	RECTIFIER OCTAL	CR1
1	036570	SWITCH TOGGLE DPST	S1 (POWER ON/OFF)
1	036571	SWITCH TOGGLE SPDT	S2 (GROUND)
1	036572	SWITCH TOGGLE SPST	S3 (STANDBY)
1	036702	FUSE HOLDER 3AG	XF1 (100/120V)
1	036703	FUSE HOLDER 5mm	XF1 (220/240V)
1	077982	FUSE 3A QUICK ACTING	$F1$ (100/120 $\gamma$ )
1	020793	FUSE 1.6A 5mm	F1 (220/240V)
1	039982	FUSE 4A QUICK ACTING	F7 (100/120V)
. 1	020794	FUSE 2A 5mm	F7 (220/240V)
1	021741	LAMP HOLDER	H1
1	032219	COLLAR	CL 1
1	036595	LENS JEWEL	LN1
1	021642	LAMP T47	LA1
3 2	023606	SOCKET 9 PIN	V1-3
2	023580	SOCKET OCTAL	V4,5
1	026038	BUSHING STRAIN RELIEF	SR1
3 2 3 6	018022	BUSHING SNAP	SR2-4
2	031073	STAND OFF 3/8"	SF1,2
3	031091	TUBE CLAMP	TC1-3
6	036620	KNOB POINTER	K1-6
1	036493	BRACKET TRANSFORMER MTG	
3	022293	WASHER FW .473x.750x.035	
4	031153	WASHER FW .378x.614x.021	
12 2	029913	SCREW TF 6-32x3/16 PHP ZI	
2 4	029913	SCREW TF 6-32x3/16 PHP ZI	SC13,14 (CHOKE)
4 8	029913	SCREW TF 6-32x3/16 PHP ZI	SC15-18 (CAPAC COVER)
9	022186	SCREW M 6-32x3/8 PHP NI	SC19-26 (PHONO JACKS)
9 4	028937 026553	SCREW TF 6-32x5/8 PHP ZI	SC27-35 (PCB)
4 4	020553	SCREW M 8-32x3/8 PHP BL	SC36-39 (OUTPUT XFMR)
8	022004	SCREW M 6-32x1/4 PHP BL	SC40-43 (PCB/CHASSIS)
8	069393	NUT KEPS 8-32 NUT KEPS 6-32	NT1-8 (XFMRS)
1	031625		NT9-16 (PHONO JACKS)
1	051025	NUT HEX 11/16-27	NT17 (LAMP)

#### \*\*\* CABINET ASSEMBLY \*\*\*

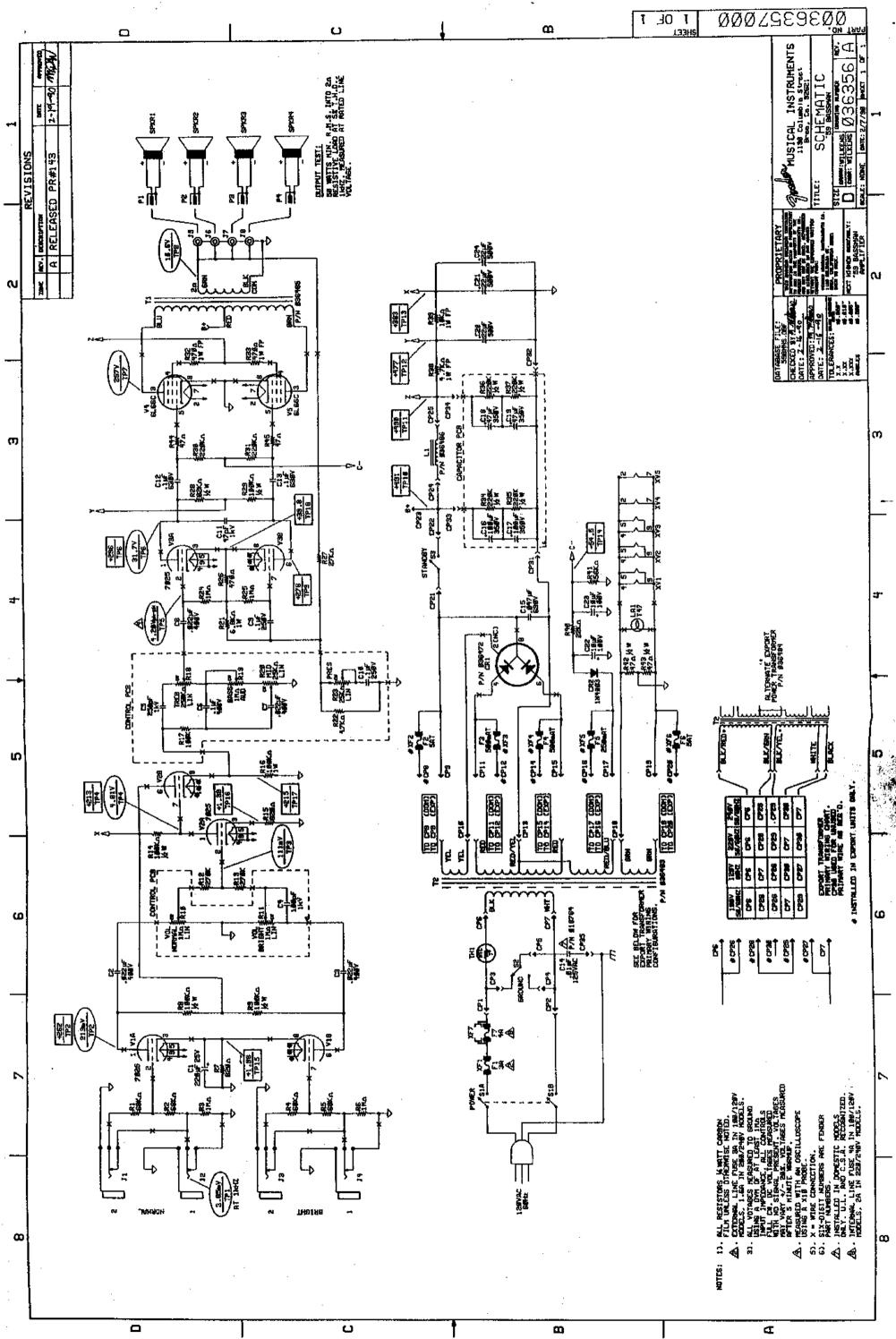
QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
1	036113	CABINET ASS'Y COMPLETE	CB1
1	036115	UPPER BACK ASS'Y	UB1
1	036116	LOWER BACK ASS'Y	LB1

# \*\*\* CABINET ASSEMBLY (CONTINUED) \*\*\*

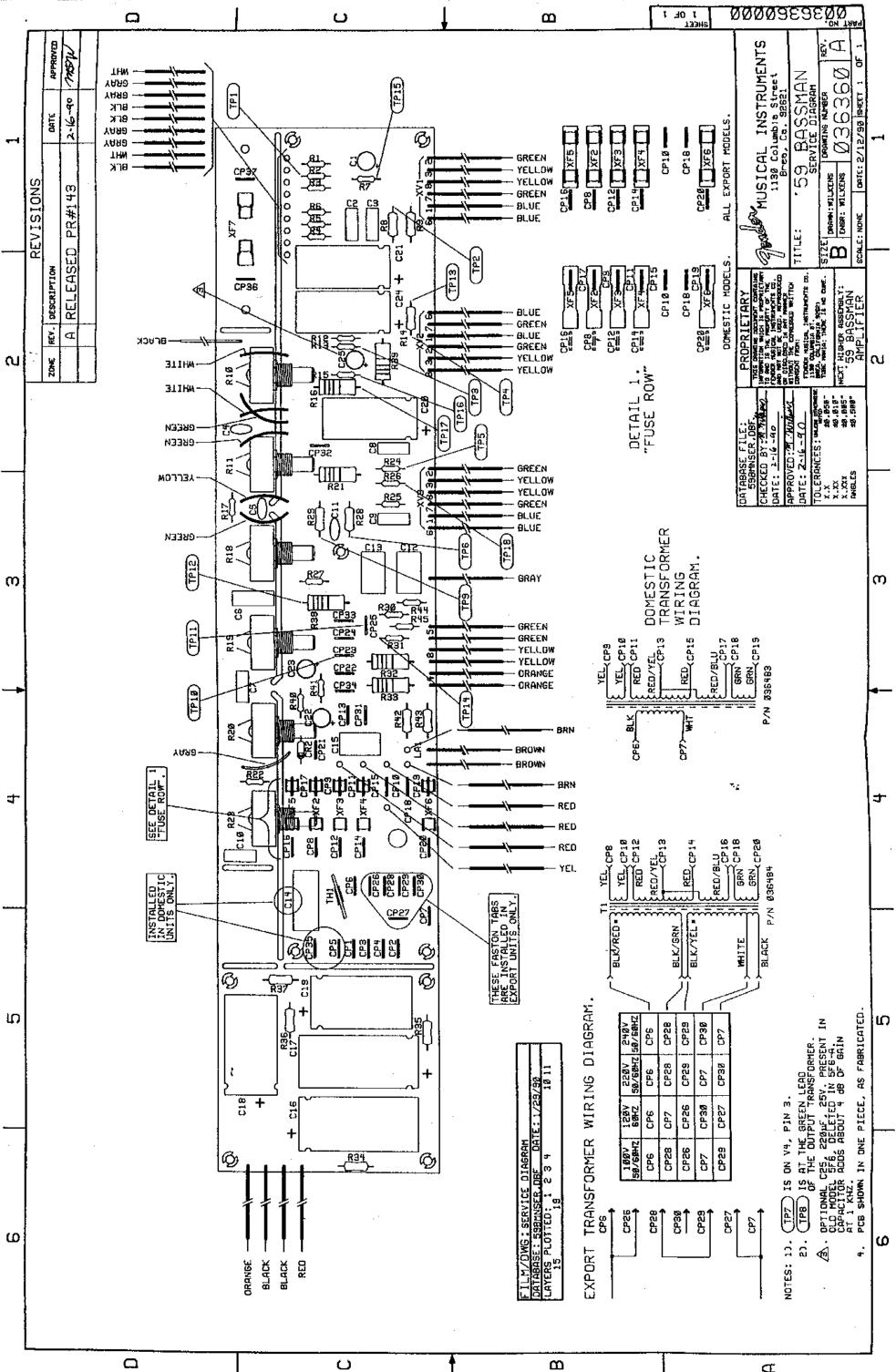
QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
8 1 1 6 6 6 1 2 4 4 4 4 4 4 1	016188 036114 036618 069393 022327 036129 036478 036649 064162 024653 022483 026625 036343	SCREW WD 6x1 GRILLE BAFFLE ASS'Y GRILLE CLOTH OXBLOOD SCREW M 6-32x1-1/2 PHS NUT KEPS 6-32 WASHER FW HANDLE HANDLE BRACKET LOOP SCREW M 8-32x3/4 PHS NI TEE NUT 8-32 GLIDE GLIDE INSERT SCREW WD TWEED COVERING	SC58-65 (BACK MTG) GB1 GC1 SC44-49 (GRILLE MTG) NT1-6 (GRILLE MTG) WW8-13 (GRILLE MTG) HD1 HL1,2 SC50-53 (HANDLE MTG) TN1-4 (HANDLE MTG) CG1-4 GL1-4 SC54-57 (GLIDE MTG) VY1

### \*\*\* MISCELLANEOUS \*\*\*

QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
346 162211481113411	023598 036457 012749 022004 036619 025819 015990 036701 024000 010735 036491 036686 020912 022491 029828 036650 036655 036357	TUBE SHIELD SPEAKER 10" 8 OHM SCREW NUT KEPS 8-32 SCREW M 10-32x1-1/2 TH NUT KEPS 10-32 SCREW M 10+32x1-1/2 TH WIRE SET PHONO PLUG FASTON .205 NAMEPLATE BRACKET XFMR SUPPORT BUMPER CABLE CLAMP SCREW PB 8x3/4 ZI ESCUTCHEON PIN #18x3/8 NI OWNERS MANUAL SCHEMATIC	VS1-3 SP1-4 SC66-81 (SPEAKER MTG) NT7-22 (SPEAKER MTG) SC82,83 (CHASSIS MTG) NT23,24 (CHASSIS MTG) SC84 (DUMMY CHAS MTG) WS4 PP1-4 (FOR WS4) FT25-32 (FOR WS4) NP1 BX1 BP1 (FOR XFM BRACKET) CM1 SC85-87 (CLAMP/BPACK)

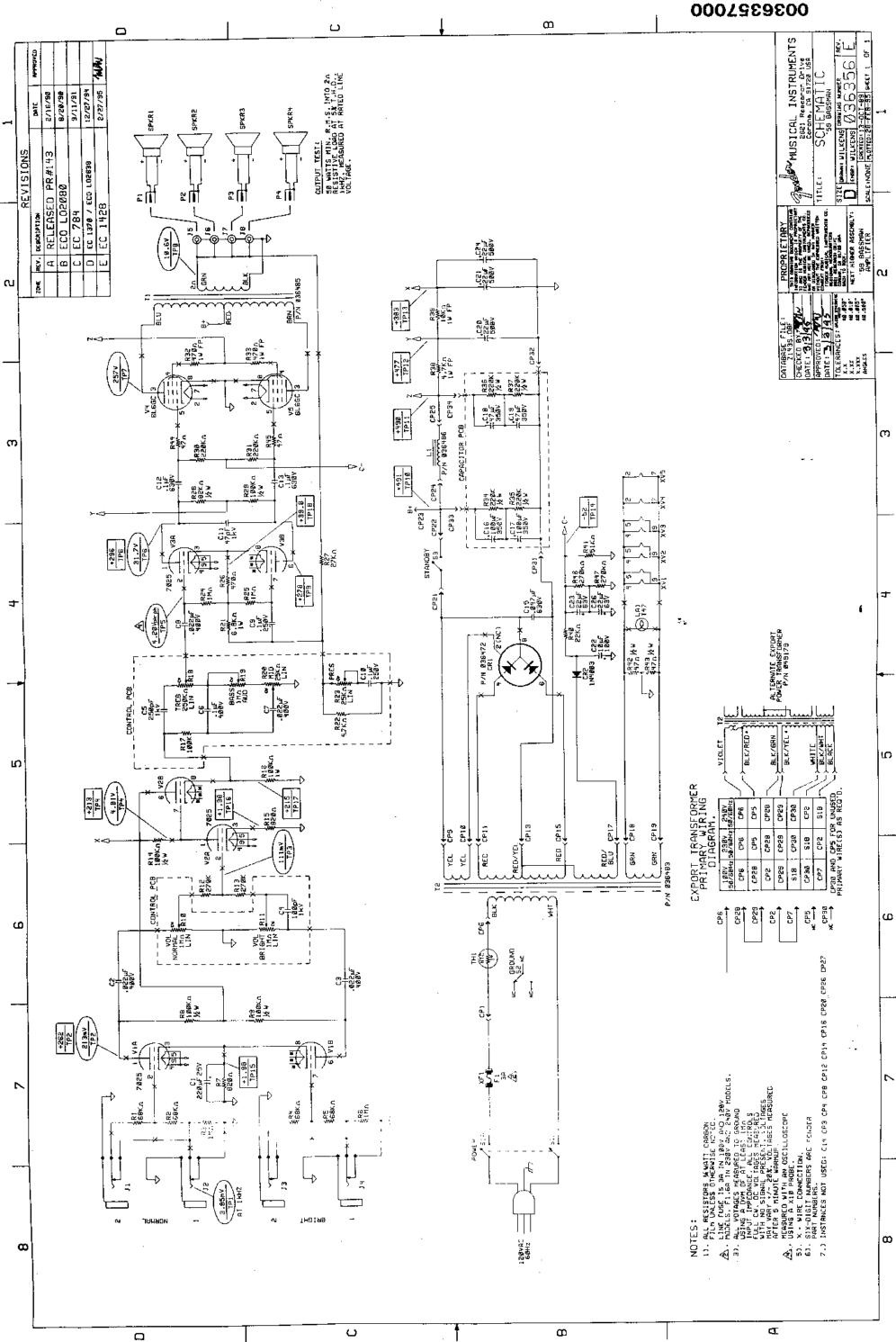


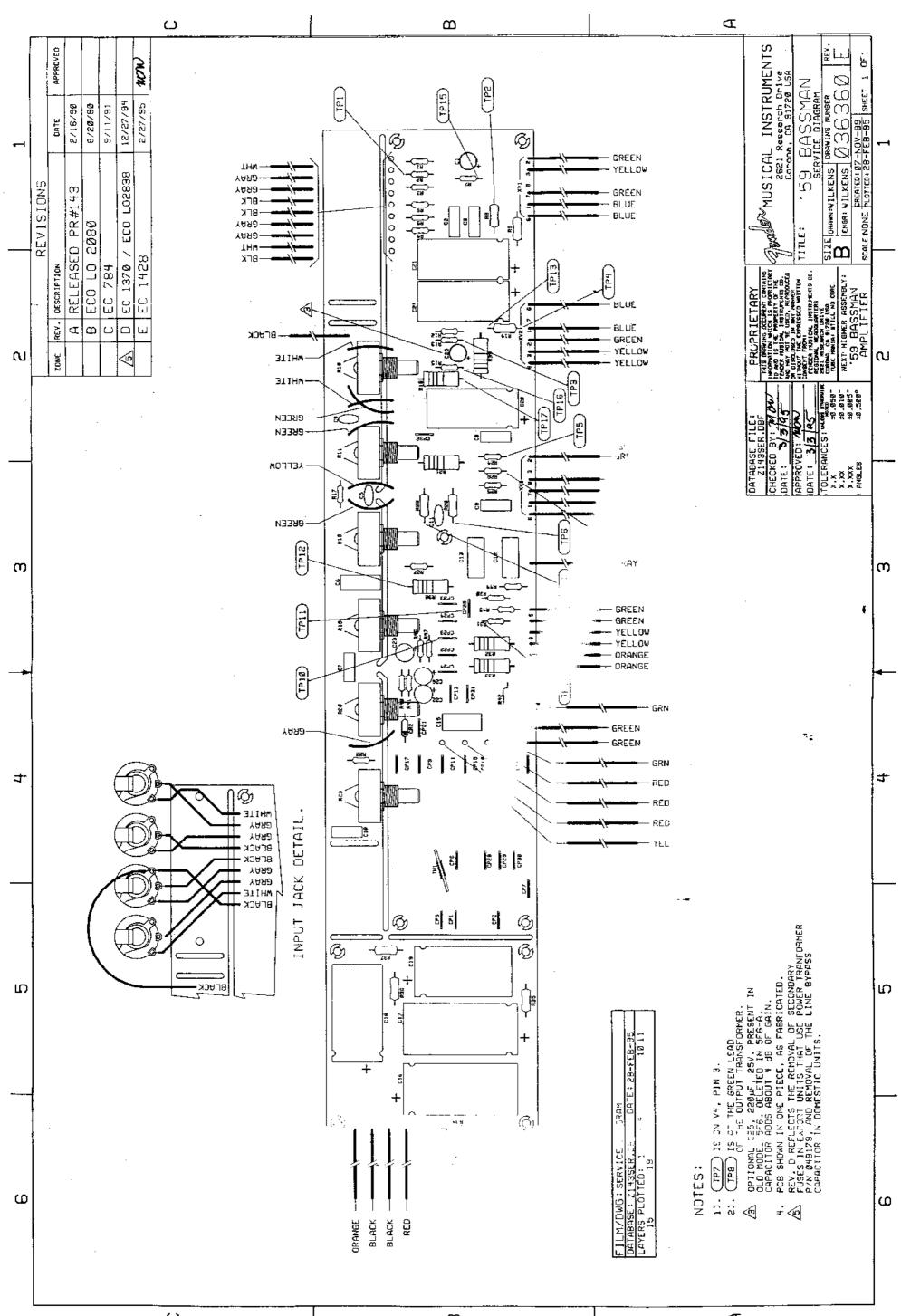
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