

'59 BASSMAN

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

SERVICE MANUAL





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'59 BASSMAN

(This is the model name for warranty claims)

SERVICE MANUAL

February 1990

IMPORTANT NOTICE:

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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 CODES	HARDWARE CODES	HARDWARE CODES	
CAP AE = Aluminum Electrolytic CAP CA = Ceramic Axial CAP CD = Ceramic Disk CAP MPF = Metalized Polyester Film CAP MY = Mylar CAP PFF = Polyester Film/Foil	HWH = Hex Wa M = Machin NI = Nickel F	e Plated asher Head e Screw	
RESISTOR CODES RES CC = Carbon Comp RES CF = Carbon Film RES FP = Flame Proof RES MF = Metal Film RES WW = Wire Wound	PB = Particle PHP = Pan He PHPS = Pan He SMA = Sheet N SMB = Sheet N SS = Stainles	e Board ead Phillips ead Phillips Sems Metal "A" Point Metal "B" Point ss Steel Forming	

'59 BASSMAN **PARTS LIST**

*** PCB ASSEMBLY ***

QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
1	036358	PCB FAB	PC1 (BLANK)
1	036359	PCB ASSEMBLY (120V)	PCB1 (STUFFED)
1	036634	PCB ASSENBLY (EXPORT)	PCB1 (STUFFED)
2	036464	CONTROL 1M "LINEAR SPL D"	
1	036465	CONTROL 250K "LINEAR D"	R18 (TREB)
1 2 4 2	036466	CONTROL 1M "10% AUDIO"	R19 (BASS)
2	036467		R20,23 (MID, PRES)
14	024833	CAPACITOR RF .022uF 400V	
2	024855	CAPACITOR RF .1uF 630V	C12,13
1	024846	CAPACITOR RF .047uF 630V	C15
1	024854	CAPACITOR RF .1uF 400V	C6
1 .	024853	CAPACITOR RF .1uF 250V	C9,10
1	069724		C4
1 1 2	020917		C5
1	020909		
2	028953	CAPACITOR AE 100uF 350V	C16,17
2	024820	CAPACITOR AE 47uF 350V	C18,19
3=2	024855	CAPACITOR AE 22uF 500V	C20,21,24
	031069		C22,23
1 -	028479	CAPACITOR RE 220uF 25V	C1
1	018764		C14 (DOMESTIC ONLY)
1	036469	RESFP 4.7K 1/2W 5%	
1	036470	RESFP 10K 1/2W 5%	R39
2	036468	RESFP 10K 1/2W 5% RESFP 470 1/2W 5%	R32,33
1	027353	RESCF 100K 1W 5%	R16
1	036621	RESCF 6.8K 1W 5%	R21
4 1	025116	RESCF 100K 1/2W 5%	
1	025115		R28
2	025109		R42,43
4	025117	RESCF 220K 1/2W 5%	R34-37
4	024995	RESCF 68K 1/4W 5%	R1,2,4,5
4	025069	RESUR IM 1/4W 5%	R3,6,24,25
2		RESCF 820 1/4W 5%	R7,15
2 1	025060	RESCF 270K 1/4W 5%	R12,13
1	024977	RESCF 4.7K 1/4W 5%	R22
2 1	025059	RESCF 220K 1/4W 5%	R30,31
1	024988	RESCF 27K 1/4W 5%	R27
1	024961	RESCF 470 1/4W 5%	R26
1	024994	RESCF 56K 1/4W 5%	R4 1
1	024997	RESCF 100K 1/4W 5%	R17
2	024947	RESCF 47 1/4W 5%	R44,45

'59 BASSMAN PARTS LIST

*** 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
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 ***

QTY	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)
1	036138	CHASSIS W/SCREEN - 3A	CS1 (100/120V)
i	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)
4	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

'59 BASSMAN **PARTS LIST**

*** 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	$F1 \qquad (100/120V)$
1	020793	FUSE 1.6A 5mm	F1 (220/240V)
1	039982	FUSE 4A QUICK ACTING	$F7 \qquad (100/120V)$
. 1	020794	FUSE 2A 5mm	F7 (220/240V)
1	021741	LAMP HOLDER	H1
1	032219	COLLAR	CL1
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
	036620	KNOB POINTER	K1-6
1	036493	BRACKET TRANSFORMER MTG	BK1
3	022293	WASHER FW .473x.750x.035	WW1-3 (AT SWITCHES)
4	031153	WASHER FW .378x.614x.021	, , , , , , , , , , , , , , , , , , , ,
12	029913	SCREW TF 6-32x3/16 PHP ZI	SC1-12 (TUBE SOCKETS)
2	029913	SCREW TF 6-32x3/16 PHP ZI	SC13,14 (CHOKE)
4	029913	SCREW TF 6-32x3/16 PHP ZI	SC15-18 (CAPAC COVER)
8	022186	SCREW M 6-32x3/8 PHP NI	SC19-26 (PHONO JACKS)
9 4	028937	SCREW TF 6-32x5/8 PHP ZI	SC27-35 (PCB)
	026553	SCREW M 8-32x3/8 PHP BL	SC36-39 (OUTPUT XFMR)
8 fi	031184	SCREW M 6-32x1/4 PHP BL	SC40-43 (PCB/CHASSIS)
8	022004	NUT KEPS 8-32	NT1-8 (XFMRS)
1	069393 031625	NUT KEPS 6-32	NT9-16 (PHONO JACKS)
1	031025	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

'59 BASSMAN **PARTS LIST**

*** CABINET ASSEMBLY (CONTINUED) ***

QTY	PART #	DESCRIPTION	REFERENCE DESIGNATION
8 1 1 6 6 6 1 2 4 4 4 4 1	016188 036114 036131 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 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
3 16 16 2 1 1 4 8 1 1 1 1 3 4 1	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/BRACK) EP1-4 OM1 SM1







