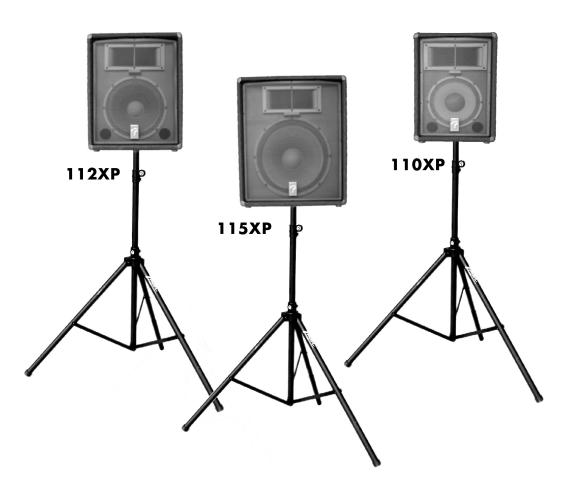


XP SERIES (110/112/115)

LOUDSPEAKERS

p/n 071-1500-100 071-1200-100 071-1100-100

SERVICE MANUAL



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Fender Musical Instruments Corp. 7975 North Hayden Road Scottsdale, AZ 85258

XP 10, 12, 15 LOUDSPEAKERS

SERVICE MANUAL

MARCH 2001

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 is not to be disclosed to others without the expressed permission of Fender Musical Instruments Co. All specifications subject to change without notice.

For warranty repair service, only Fender specified part numbers are to be used. 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:

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

XP 10, 12, 15 LOUDSPEAKERS

SPECIFICATIONS

	110	112	115
PART NUMBER:	071-1100-100	071-1200-100	071-1500-100
FREQUENCY RESPONSE:	65Hz – 20kHz	60Hz – 20kHz	60Hz – 20kHz
POWER HANDLING:	100W (RS-426B) 200W (Program) 400W (Peak)	100W (RS-426B) 200W (Program) 400W (Peak)	150W (RS-426B) 300W (Program) 600W (Peak)
IMPEDANCE:	8Ω	8Ω	8Ω
SENSITIVITY:	97dB, 1W – 1m	98dB, 1W – 1m	98dB, 1W – 1m
LOW FREQ. DRIVER:	10 in. (25.4 cm) woofer 2 in. (5.1 cm) voice coil	12 in. (30.5 cm) woofer 2 in. (5.1 cm) voice coil	15 in. (38.1 cm) woofer 2.5 in. (6.4 cm) voice coil
HIGH FREQ. DRIVER:	Dual piezoelectric compression drivers, 1 ½ in. (3.8 cm) diaphragms	Dual piezoelectric compression drivers, 1 ½ in. (3.8 cm) diaphragms	Dual piezoelectric compression Drivers, 1 ½ in. (3.8 cm) Diaphragms
MAX OUTPUT AT 1 METER:	117dB continous, 123dB peak	118dB continous, 124dB peak	120dB continous, 126dB peak
CROSSOVER FREQUENCY:	3.5 kHz	3.5kHz	3.5kHz
CONNECTIONS:	(2) 1/4 in. (0.64 cm) phone jack	(2) 1/4 in. (0.64 cm) phone jack	(2) 1/4 in. (0.64 cm) phone jack
DIMENSIONS:	Height: 20.3 in. (51.6 cm) Width (front): 14.6 in. (37.1 cm) Width (rear): 6.4 in. (16.3 cm) Depth: 15.6 in. (39.6 cm)	Height: 21.3 in. (54.1 cm) Width (front): 18 in. (45.7 cm) Width (rear): 6.4 in. (16.3 cm) Depth: 18.4 in. (46.7 cm)	Height: 23.9 in. (60.7 cm) Width (front): 21 in. (53.3 cm) Width (rear): 8.4 in. (21.3 cm) Depth: 19.6 in. (49.8 cm)

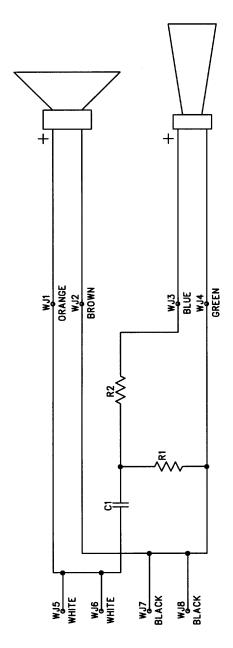
50 lbs. (22.7 kg)

58 lbs. (26.4 kg)

Product specifications are subject to change without notice

WEIGHT: 37 lbs. (16.8 kg)

	REVIS	SIONS	
REV.	DESCRIPTION	DATE	APPROVED
٧	EC2499/PR45409	00-NNC-60	нуг



1.0 uF 250V	22 OHM 2W	24 OHM 10 W	0029695000	112XP/115XP
0.68 uF 250V	22 OHM 2W	24 OHM 10W	0056959000	110XP
C1	R2	R1	PCB ASSY	MODEL

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS. Brest CHECKED BY:

MUSICAL INSTRUMENTS Corona, CA U.S.A. TITLE: SERVICE DIAGRAM, COMBINED (schematic)

APPROVED BY: J. HUBBARD

5. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0056960000 AND PCB ASSEMBLIES P/N 0056959000 & 0056965000.
3. ALL POLARIZED CAPACITORS IN uF, 20x; 50V MINIMUM.
2. ALL UNPOLARIZED CAPACITORS IN uF, 10x OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20x).
1. ALL RESISTORS IN OHMS, 5x; 1/4W.

NOTES: (UNLESS OTHERWISE NOTED)

21-54N-00

DATE:

SPEAKER CROSSOVER DRAWING NUMBER 0056953000

REV.

 \ll

P

SHEET:

RELEASE DATE: 09-JUN-00 SIZE **B** 21 JUN 2000

DRAWN: A. Barnai ENGR: J. Hubbard DATABASE FILE: Z454S.SCH DATE:

