

Technical Manual

JBL PRX512MI/230

SPECIFICATIONS



ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- System Power Rating: 500W continuous, 1000W peak
- Frequency Response (± 3 dB): 76 Hz – 20 kHz (EQ in main position)
90 Hz – 20 kHz (EQ in monitor position)
- Frequency Range (-10 dB): 46 Hz – 20 kHz (EQ in main position)
60 Hz – 20 kHz (EQ in monitor position)
- Maximum SPL: 133 dB SPL peak
- Input Sensitivity: -25 dBu to 0 dBu (Mic position)
 $+28$ dBu to $+10$ dBu (Line position)
- LF Power Amp: Class-D, 400W (continuous)
at driver impedance
- HF Power Amp: Class-D, 100W (continuous)
at driver impedance
- Crossover Frequency: 1.6 kHz

AURAL SWEEP TEST SPECIFICATIONS:

- A. System. Aural Sweep Test: 100mV Input, 20 Hz to 20 kHz
- B. L.F. Aural Sweep Test: 3.5V Input, 10 Hz to 1 kHz
- C. H.F. Aural Sweep Test: .75 Input, 200 Hz to 1.5 kHz

PHYSICAL SPECIFICATIONS:

- Enclosure Dimensions: 650 x 380 x 350 mm D
(H x W x D)
(25.5 x 15 x 14 in. D)
- Net Weight: 40 lb. (18 kg.)

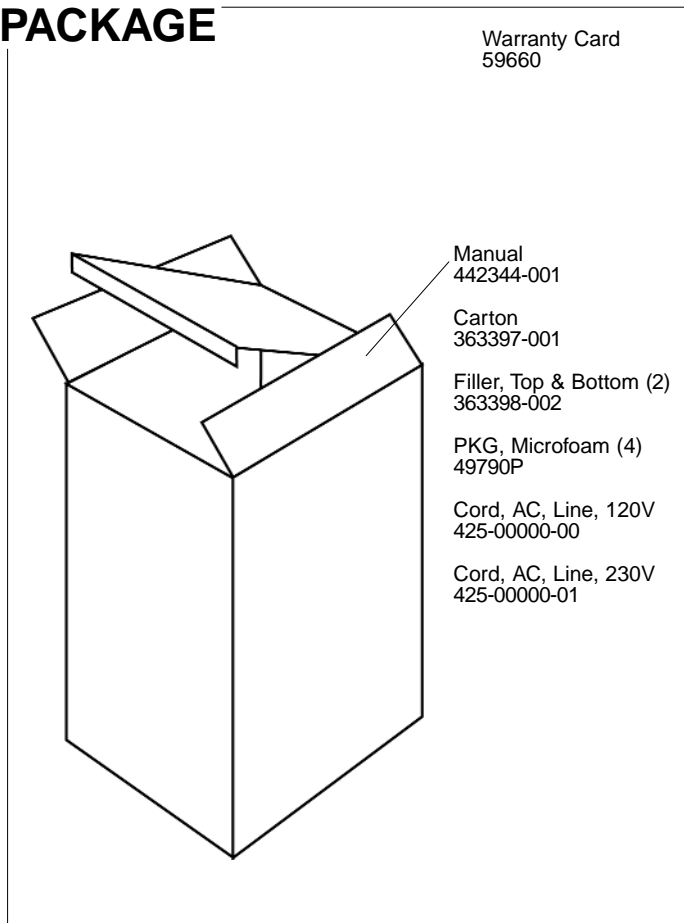
WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

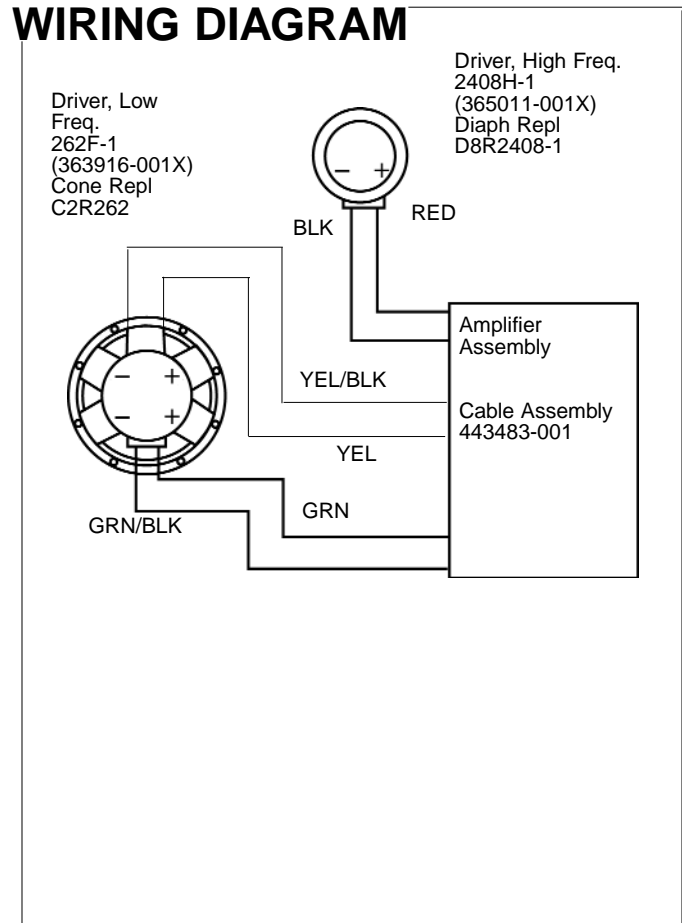
SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not For Sale)
- Grille: 363321-002
- Low Frequency Transducer: 262F-1, 380 mm (12 in)
Differential Drive woofer
- DC Resistance: 1.4 ohm $\pm 10\%$
- High Frequency Transducer: 2408H-1, 37.5 mm (1.5 in)
annular polymer diaphragm,
neodymium compression driver
- DC Resistance: 4.8 ohm $\pm .2\%$

PACKAGE



WIRING DIAGRAM

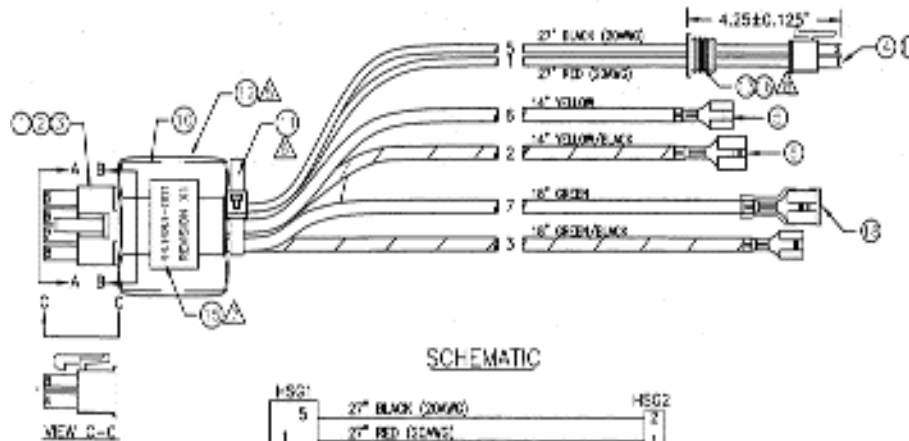
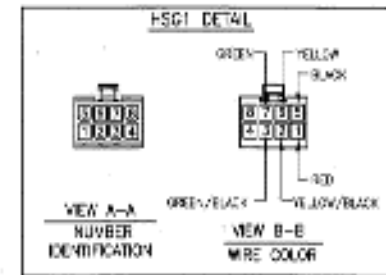


JBL PRX512MI/230 REV D

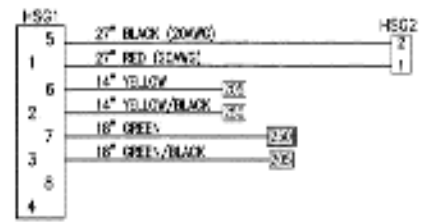
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SCHEMATIC DIAGRAM (443483-001)

PARTS LIST				
ITEM	REF	QTY	DESCRIPTION	TECATE P/N
1	HSG1	1	HOUSING, 1/250" F. 244 POS. MOLEX P/N 39-01-0008 OR EQUIVANT	
2	TOPM1	4	TOP MNL. SPOK. MOLEX P/N 39-00-0277 OR EQUIVANT (FOR 15AWG)	
3	TOPM2	2	TOP MNL. SPOK. MOLEX P/N 39-00-0288 OR EQUIVANT (FOR 20AWG)	
4	TOPM3	2	TOP MNL. CRIMP. MOLEX P/N 43030-2000 OR EQUIVANT	
5	SS2	2	FASTON TEMALE, 0.250 X 0.005, 15A/60 BRASS	
6	SS4	1	FASTON TEMALE, 0.250 X 0.005, 15A/60 BRASS	
7	A-101	N/A	WTC, 15AWG, UL-1015	
8	A-102	N/A	WTC, 20AWG, UL-1007	
9			ITEM REMOVED	
10	EM SUPP	1	EM SUPPRESSOR, CORE, P/N M55 PH 25-0024-5012-1	
11	C-1	1	CABLE TR. 8" LONG	
12	H-102	1	SLEEVE, POLYURETH. 1/4" Ø 3/8" L	
13	RECEPT	1	GRILLE RECEPTACLE, 0.25"	21-0006-0000
14	HSG2	1	HOUSING, 1/250" F. 192 POS. MOLEX P/N 43030-2000 OR EQUIVANT	
15	LABEL	1	LABEL, 12 STAPLES, 1/2" X 1/4", 100% CT, 303-PAINTED ONE SIDE	
16	A2-103	N/A	A2-CABLE, 100MDF	
17			ITEM REMOVED	
18	SS2M	1	FASTON TEMALE, 252 X 0.250, 15, 5MM, BRASS, XLS, P/N 43031-2000	



SCHMATIC

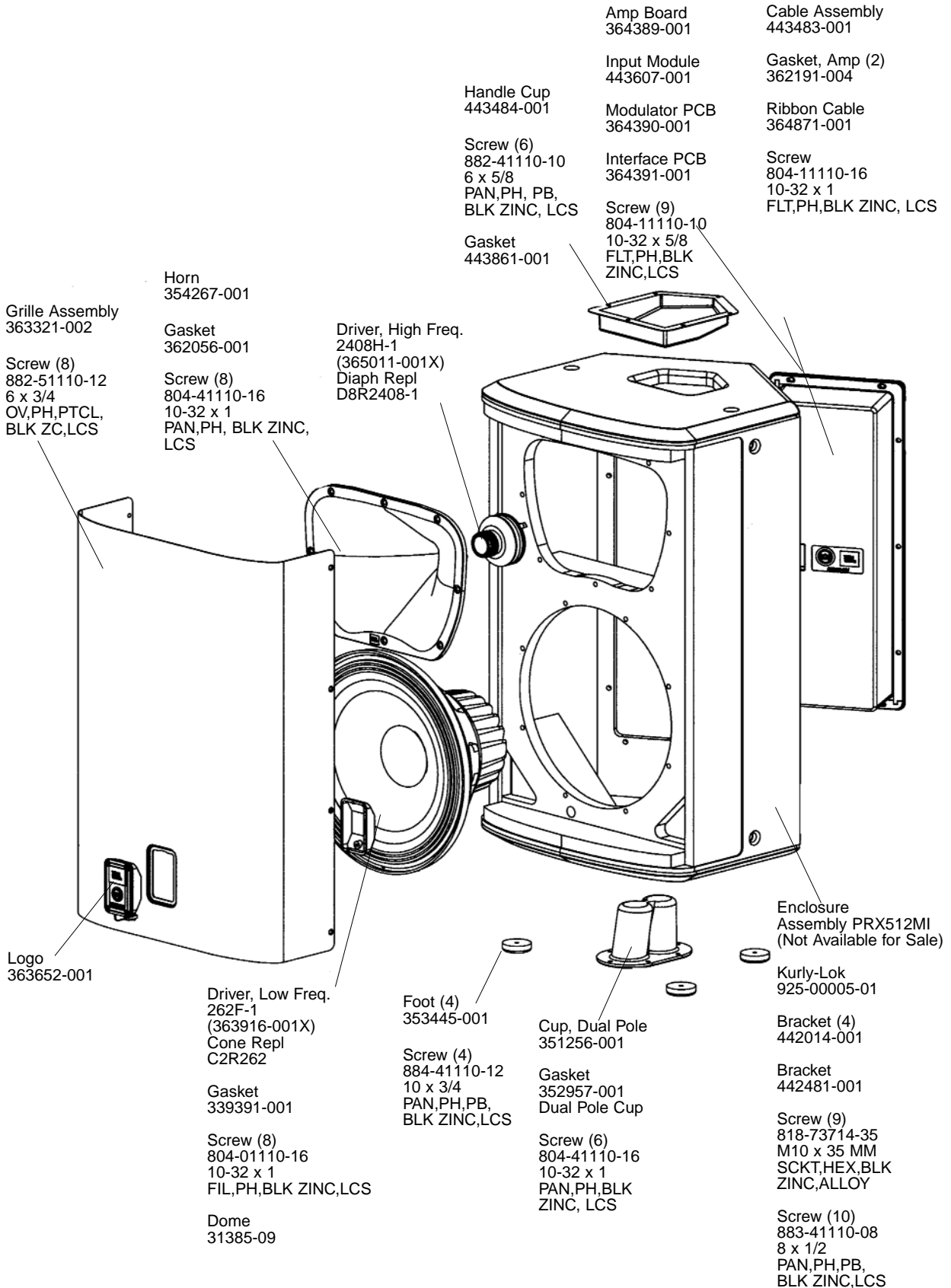


- ⚠ WTC 01-10 RECEPTACLE TO RED AND BLACK WTC LOCATED 4.25" FROM END OF -SS2- SPOKING RECEPTACLE TO WIRES WITH AN AIR TIGHT SEAL, USING HOTMELT.
 - ⚠ WTC 01-102 TO HEAT SH-RK SLEEVE ON EM CORE.
 - ⚠ EM CORE TO BE STOLDED AGAINST HSG WITH A CABLE TIE. CABLE TIE BACKLE TO BE SHOWN X 4.8mm MIN. STRAP TO HAVE EXCESS EXTENDING OF 2-3mm MIN. SEE CABLE TIE 3-DRAWING DETAIL.
 - ⚠ COVER EM CORE WITH A POLYURETH HEAT SH-RK SLEEVE.
 - 4 CUSTOMER P/N IS 354422-004 VERSION 0.
 - 2. SEE HOUSING DETAIL FOR INSTALLATION OF WIRES.
 - 2. ALL WIRES ARE 15AWG UL-1015 UNLESS OTHERWISE INDICATED.
 - 1. MUST BE PINS COMPLIANT
- NOTES:

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COMPONENT EXPLODED VIEW



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