

Technical Manual



JBL 5742-M/HF

SPECIFICATIONS

ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Nominal Impedance: MF: 2 x 4 Ohms, HF: 8 Ohms
- Input Power Rating: MF: 2 x 700W; 1000 to 2000W recommended amplifier
HF: 500W to 1000W recommended amplifier
- Frequency Response: 220 Hz - 19 kHz (±3 dB)
- Frequency Range: 220 Hz -20 kHz (-10 dB)
- Sensitivity: MF: 115 dB SPL, 2.83V @ 1 meter (3.3 ft)
HF: 115 dB SPL, 2.83V @ 1 meter (3.3 ft)
- Crossover Frequency:

SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not for Sale)
- Mid Frequency Transducer: (4) 2169H, 200 mm (8 in) dia. Differential Drive® Neodymium Magnet, 76 mm (3 in) dual coil edgewound ribbon voice coil
- DC Resistance: 5.1 ohms ±10% Aluminum Wire

SYSTEM COMPONENTS: (CONT'D)

- DC Resistance: 5.1 ohms ±10% Aluminum Wire
- High Frequency Driver: 2452H-SL 38 mm (1.5 in) exit compression driver with 100 mm (4 in) diameter voice coil and Neodymium magnet.
- DC Resistance: 4.10 ohms ±8%
- Terminal / Wire Assembly: 444716-001

AURAL SWEEP TEST SPECIFICATIONS:

- A. M.F. Aural Sweep Test: 7.0V Input, 20 Hz to 1kHz
- B. H.F. Aural Sweep Test: 2.5V Input, 300 Hz to 1.2 kHz

PHYSICAL SPECIFICATIONS:

- Enclosure Dimensions: 1544 x 762 x 450 mm D (60.8 x 30.0 x 17.8 in. D)
- Shipping Weight: 99 lb (45.1 kg)

WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

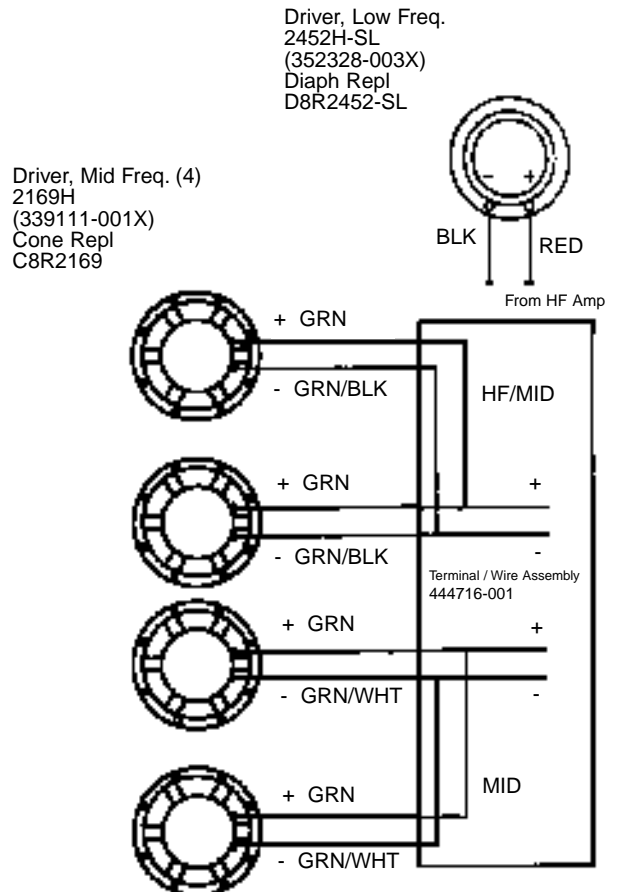
PACKAGE

Warranty 59660



- Carton 990-00204-00
- Filler, Top 991-00204-01
- Filler, Bottom 365534-001
- PKG, Microfoam (8) 49790P 20" x 18" Sheets
- Rear Filler 443525-001
- Tray, Bottom 991-00207-00

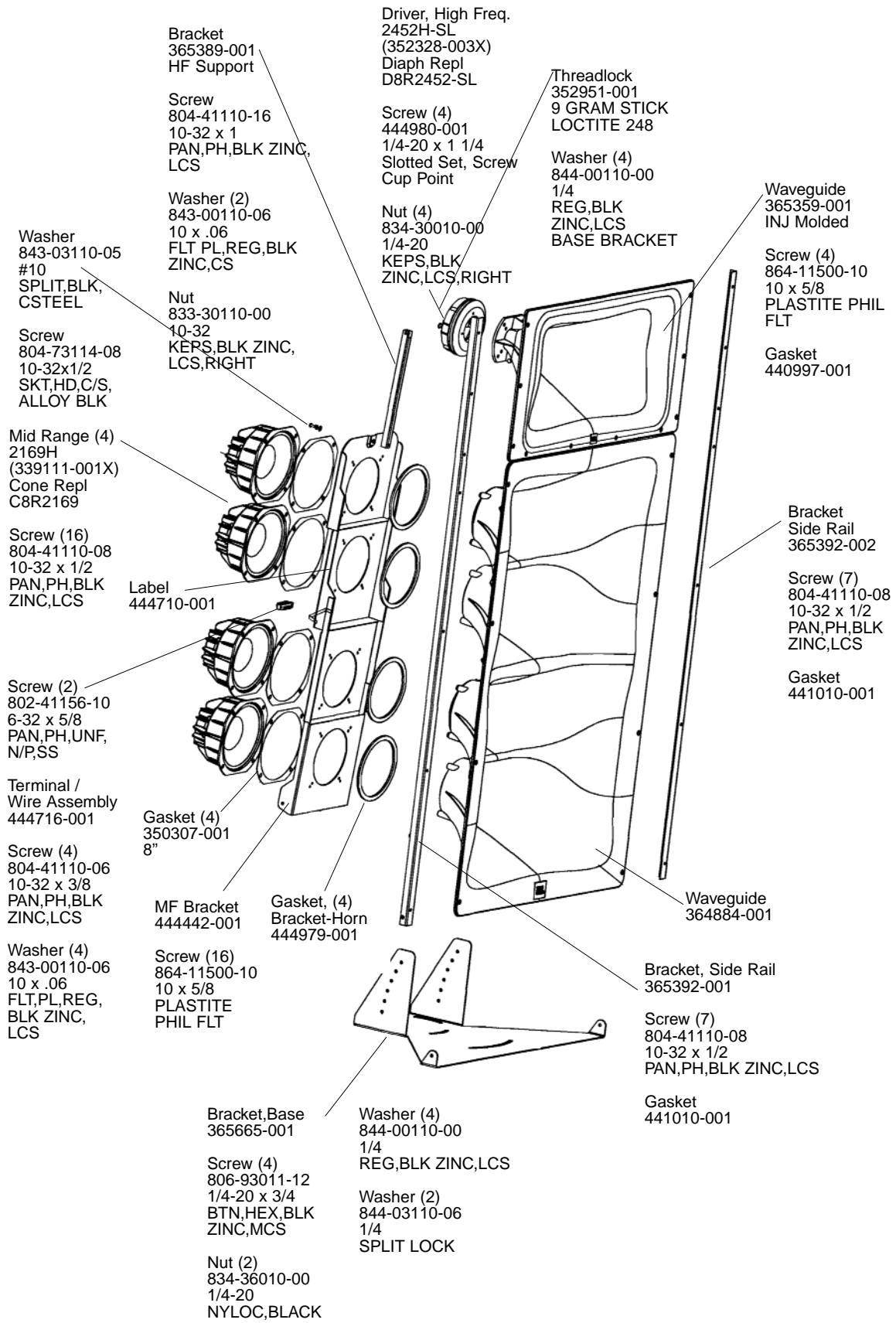
WIRING DIAGRAM



JBL 5742-M/HF REV B

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COMPONENT EXPLODED VIEW



Bracket
365389-001
HF Support

Driver, High Freq.
2452H-SL
(352328-003X)
Diaph Repl
D8R2452-SL

Threadlock
352951-001
9 GRAM STICK
LOCTITE 248

Screw
804-41110-16
10-32 x 1
PAN,PH,BLK ZINC,
LCS

Screw (4)
444980-001
1/4-20 x 1 1/4
Slotted Set, Screw
Cup Point

Washer (4)
844-00110-00
1/4
REG,BLK
ZINC,LCS
BASE BRACKET

Waveguide
365359-001
INJ Molded

Washer
843-03110-05
#10
SPLIT,BLK,
CSTEEL

Washer (2)
843-00110-06
10 x .06
FLT PL,REG,BLK
ZINC,CS

Nut (4)
834-30010-00
1/4-20
KEPS,BLK
ZINC,LCS,RIGHT

Screw (4)
864-11500-10
10 x 5/8
PLASTITE PHIL
FLT

Screw
804-73114-08
10-32x1/2
SKT,HD,C/S,
ALLOY BLK

Nut
833-30110-00
10-32
KEPS,BLK ZINC,
LCS,RIGHT

Gasket
440997-001

Mid Range (4)
2169H
(339111-001X)
Cone Repl
C8R2169

Screw (16)
804-41110-08
10-32 x 1/2
PAN,PH,BLK
ZINC,LCS

Label
444710-001

Bracket
Side Rail
365392-002

Screw (7)
804-41110-08
10-32 x 1/2
PAN,PH,BLK
ZINC,LCS

Screw (2)
802-41156-10
6-32 x 5/8
PAN,PH,UNF,
N/P,SS

Terminal /
Wire Assembly
444716-001

Gasket (4)
350307-001
8"

Gasket
441010-001

Screw (4)
804-41110-06
10-32 x 3/8
PAN,PH,BLK
ZINC,LCS

MF Bracket
444442-001

Gasket, (4)
Bracket-Horn
444979-001

Waveguide
364884-001

Washer (4)
843-00110-06
10 x .06
FLT,PL,REG,
BLK ZINC,
LCS

Screw (16)
864-11500-10
10 x 5/8
PLASTITE
PHIL FLT

Bracket, Side Rail
365392-001

Screw (7)
804-41110-08
10-32 x 1/2
PAN,PH,BLK ZINC,LCS

Gasket
441010-001

Bracket,Base
365665-001

Washer (4)
844-00110-00
1/4
REG,BLK ZINC,LCS

Screw (4)
806-93011-12
1/4-20 x 3/4
BTN,HEX,BLK
ZINC,MCS

Washer (2)
844-03110-06
1/4
SPLIT LOCK

Nut (2)
834-36010-00
1/4-20
NYLOC,BLACK