

# Technical Manual

# JBL AM6340/64-WH



## SPECIFICATIONS

### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Nominal Impedance: 8 Ohms
- Power Capacity (AES): L.F. 1200W (4800W Peak), 2 Hrs  
1000W (4000W Peak), 100 Hrs  
M.F. 350W (1400W Peak), 100 Hrs  
H.F. 75W (300W Peak), 2 Hrs
- Frequency Range: 50Hz – 19 kHz (-10dB)
- Sensitivity: L.F. 99dB SPL (1 watt @ 1 meter)  
M.F. 108dB SPL (1 watt @ 1 meter)  
H.F. 115dB SPL (1 watt at 1 meter)  
M.F./H.F. Section in Bi-Amp Mode:  
108dB SPL
- Crossover Frequency: 4th Order (24dB/oct) Linkwitz-Riley  
HP & LP, 2.1 kHz

### SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not For Sale)
- Grille: 338163-003, 338163-103 (WH)
- Low Frequency Transducer: 4 127H-4, 250mm (10 in.) Driver With  
50mm (2 in.) Voice Coil
- DC Resistance: 4.0 ohm ±10% Copper Wire
- Mid Range Transducer: 2250HPL, 200mm (8 in.) NDD™  
Neodymium Differential Drive Dual Voice  
Coil Internal Driver
- DC Resistance: 5.2 ohm ±10% Aluminum Wire

### SYSTEM COMPONENTS: (CONT'D)

- High Frequency Transducer: 2431H, 38mm (1.5 in.)  
Exit Compression Driver  
75mm (3 in.) Voice Coil
- DC Resistance: 4.4 ohm ±10%
- Crossover Network: 339407-001

### AURAL SWEEP TEST SPECIFICATIONS:

- A. System Aural Sweep Test: 15.0V Input, 20 Hz to 20 kHz
- B. L.F. Aural Sweep Test: 10.0V Input, 20 Hz to 3kHz
- C. M.F. Aural Sweep Test: 7.0V Input, 170 Hz to 5 kHz
- D. H.F. Aural Sweep Test: 2.83V Input, 550 Hz to 20 kHz

### PHYSICAL SPECIFICATIONS:

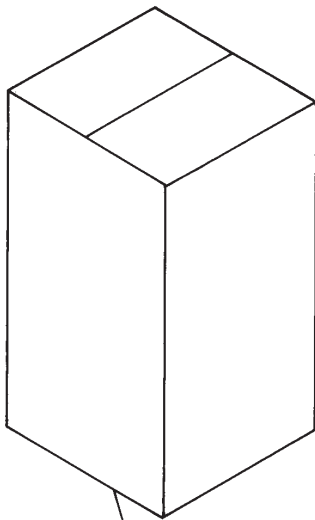
- Enclosure Dimensions: 1094 x 561 x 657 mm D  
(43.1 x 22.1 x 25.9 in.D.)
- Net Weight: 125 lb (56.7 kg.)

### WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

## PACKAGE

Warranty 59660  
Installation Sheet  
339390-010



Carton  
339424-001

Hardware Kit  
229-00009-01

Filler (2)  
351590-001

ACC, Not Included

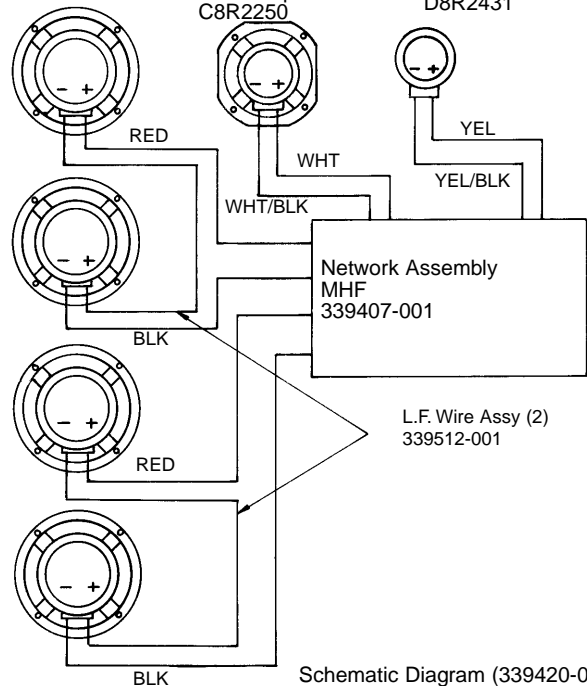
Micro Foam (8)  
49790P

Logo Sticker, Grille Assy (Large) AE  
339399-001

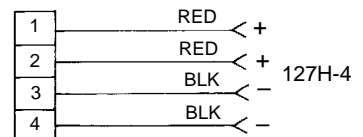
Sticker, JBL  
337638-001

## WIRING DIAGRAM

- Driver, Low Freq (4)  
127H-4  
(336955-001X)
- Driver, Mid Range  
2250HPL (124-31005-  
01X)  
Cone Repl  
C8R2250
- Driver, High Freq  
2431H  
(339894-002X)  
Diaph Repl  
D8R2431



Schematic Diagram (339420-001)



# JBL AM6340/64-WH

## COMPONENT EXPLODED VIEW

Driver, High Freq  
2431H (339894-002X)  
Diaph Repl  
D8R2431

Socket Set (4)  
705-90002-16  
Cup Point, BLK

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

Heat Dissipation  
Plate 351199-001

Gasket (1)  
74113-01

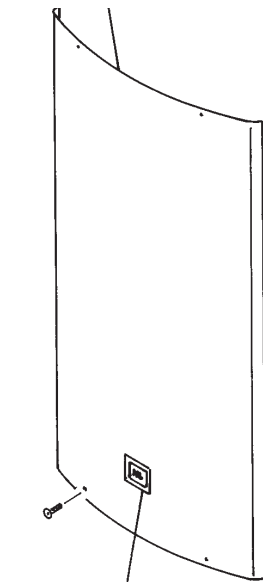
Waveguide,  
338784-003

Gasket,  
339396-001

Screw (16)  
804-41110-12  
10-32 x 3/4 PAN, PH,  
BLK, ZINC

Grille Assembly  
338163-003  
338163-103 (WH)

Screw (8)  
882-51110-12  
6 x 3/4  
OV PH



Logo, Grille Assy  
(Large), AE  
339400-001

Push Nut  
350689-001  
7/16"

Compression Spring  
350690-001

Washer,  
76168  
.175 ID, .75 OD

Phasing Plug  
Assy  
338471-001

Screw (4)  
704-85110-20  
Gasket  
339403-001  
Screen  
339484-001  
Washer  
#10 Flat Blk  
843-00110-06

Gasket, Rear  
350307-001

Enclosure Assembly AM6340/64-WH  
(Not Available for Sale)

T-Nut (32)  
61861  
10-32

Rubber  
Grommet (2)  
333050-002

Driver, Mid Freq  
2250HPL (124-  
31005-01X)  
Cone Repl  
C8R2250

Screw (4)  
804-41110-12  
10-32 x 3/4  
PAN, PH,  
BLK, ZINC

Gasket, Vinyl  
21769  
Standoff (4)  
68539-01

Screw (4)  
862-31260-23  
6-20x 1 1/2  
TR,PH,AB,BLK  
ZINC LCS

Screw (13)  
352051-001  
352051-002 (WH)  
M10 x 25MM  
SCKT HEX BLK ZINC

Input Plate, NL8, AE  
339335-001  
Input Plate Overlay, NL8, AE  
339337-002

Model Label, AM6340/64  
339339-004

Screw (6)  
882-41110-10  
6 x 5/8 PAN, PH, PB, BLK

LFWire Assy  
339420-001

Port Tube  
(Not Available for Sale)

Screw (4)  
Grille Standoff  
862-31010-24  
862-31260-24 (WH)  
6-20 x 1 1/2  
TR,PH,AB,LCS

Rear Can,  
2250HPL  
Mid Range  
339404-001

Gasket, Rear Can  
359-00236-00

Network Assembly  
339407-001

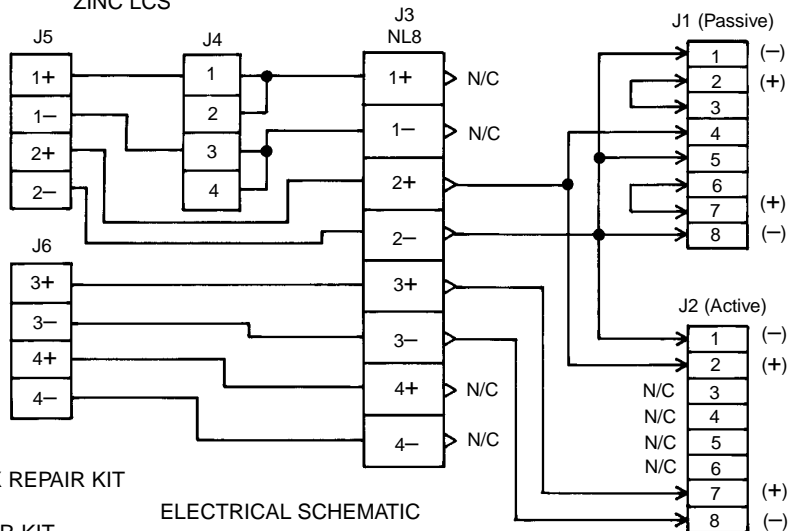
Screw (6)  
882-41110-10  
6 x 5/8 PAN, PH, PB,  
BLK

Driver, Low Freq (4)  
127H-4  
(336955-001X)

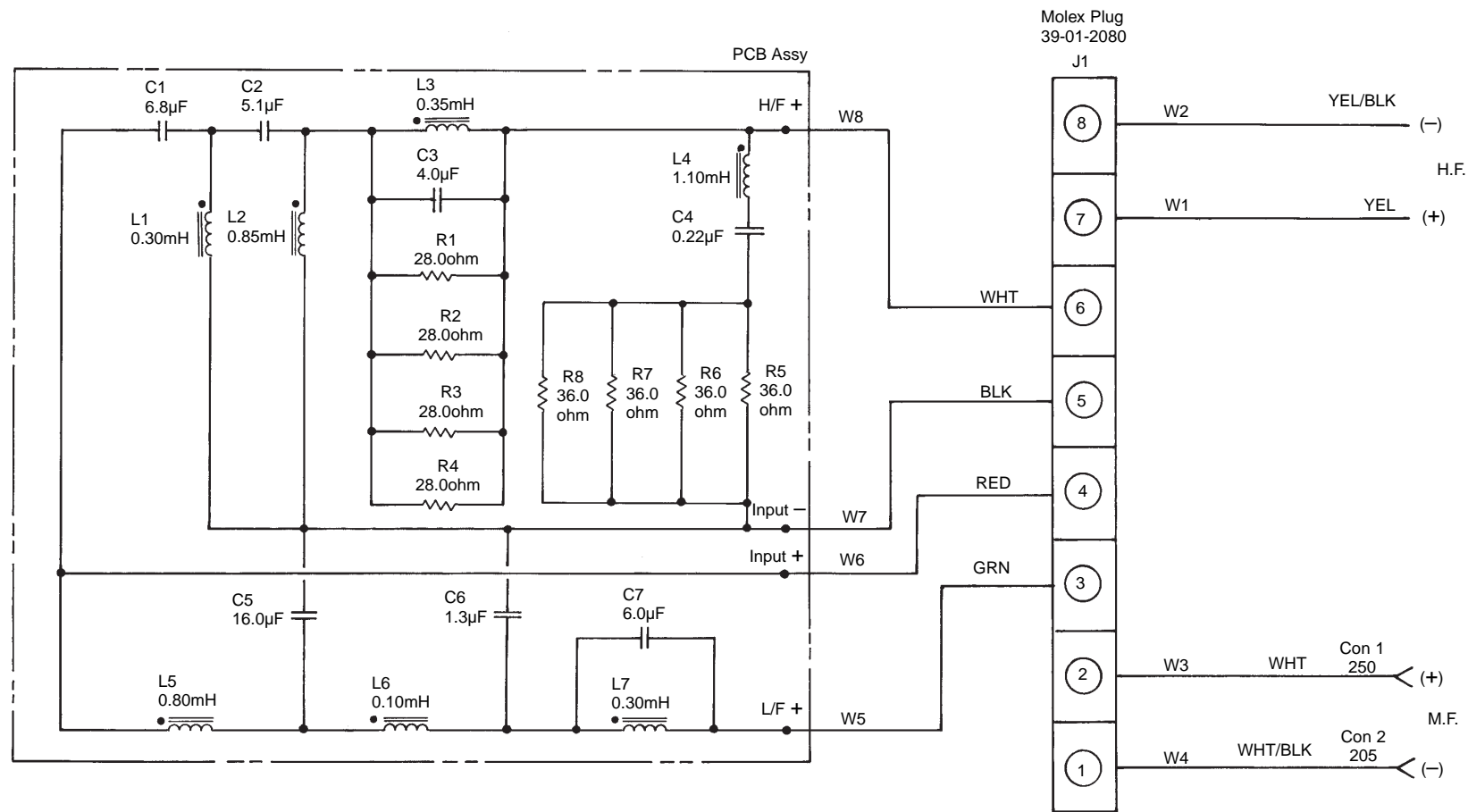
Screw (16)  
804-41110-12  
10-32 X 3/4  
PAN, PH, BLK,  
ZINC

Gasket, (4)  
339393-001

NOTE: BLACK DURAFLEX REPAIR KIT  
30052  
WHITE DURAFLEX REPAIR KIT  
16679



ELECTRICAL SCHEMATIC



NOTE: INDIVIDUAL PARTS FOR THE ABOVE CROSSOVER ARE NOT AVAILABLE.  
A COMPLETE REPLACEMENT ASSEMBLY SHOULD BE ORDERED.