JBL Incorporated, 8500 Balboa Boulevard, P.O. Box 2200, Northridge, California 91329 U.S.A.

## Technical Manual

# JBL EON515/230

## SPECIFICATIONS

**ACOUSTIC & ELECTRICAL SPECIFICATIONS:**

- System Power Rating: 450 W continuous, 900 W peak
- Frequency Response: 42 Hz – 18 kHz (± 3 dB) (EQ in “Flat” position)
- Frequency Range: 39 Hz – 20kHz (-10 dB) (EQ in “Flat” position)
- LF Power Amp: 350 W continuous at driver impedance
- HF Power Amp: 100 W continuous at driver inpedance
- Input Gain (input 3): Mic position: -Infinity to +40 dB
  Line position: -Infinity to +4 dB (+20 dBu Max signal input)
- Input Gain (input 1 & 2): -Infinity to +4 dB (+20) dBu Max signal input)
- Input Impedance: 64 K ohms (balanced) 32 K (unbalanced)
- Boost EQ: LF +3 dB Shelfing Filter @ 200 Hz
  HF + 25 dB Shelfing Filter @ 4 kHz
- Low Cut Filter: Preset high pass @ 120 Hz
- Crossover Frequency: 2.2 kHz

**SYSTEM COMPONENTS:**

- Cabinet: (Not for Sale)
- Baffle/Grille Assembly: 441739-001
- Low Frequency Transducer: 265F-1 380 mm (15 in) Differential Drive® integated woofer with dual 2” voice coils

**SYSTEM COMPONENTS: *(CONT’D)***

- DC Resistance: 1.35 ohm ±10%
- High Frequency Transducer: 2414H 25.4 mm (1 in ) neodymium compression driver
- DC Resistance: 3.60 ohm ± 0.2%
- Input 3 connector: Balanced XLR / 1/4 inch TRS combo jack with XLR loop through
- Input 1 & 2 connectors: Balanced 1/4 inch TRS jack
- Output (Loop/Mix switch): Balanced male XLR, +20 dBu (peak) o/p level in MIX position
- XLR Pin Assignments: Pin 2 (+), Pin 3 (-), Pin 1 (GRN)

**AURAL SWEEP TEST SPECIFICATIONS:**

A. System Aural Sweep Test: 1.0Vrms Input, 20 Hz to 2 kHz Ch 1 input all and pots full clockwise
B. L.F. Aural Sweep Test: 3.5V Input,10 Hz to 300 Hz
C. H.F. Aural Sweep Test: .75V Input, 500 Hz to 1.5 kHz

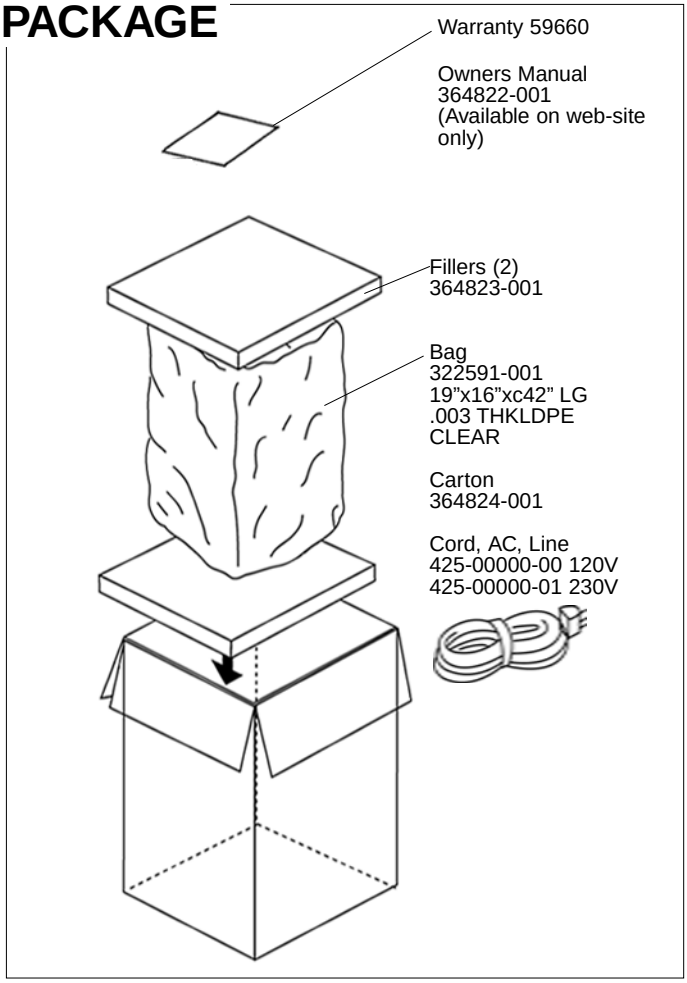
**PHYSICAL SPECIFICATIONS:**

- Enclosure Dimensions: 685 x 435 x 366 mm D (27.0 x 17.3 x 14.4 in D)
- Shipping Weight: 32.5 lbs. (14.8 kg)

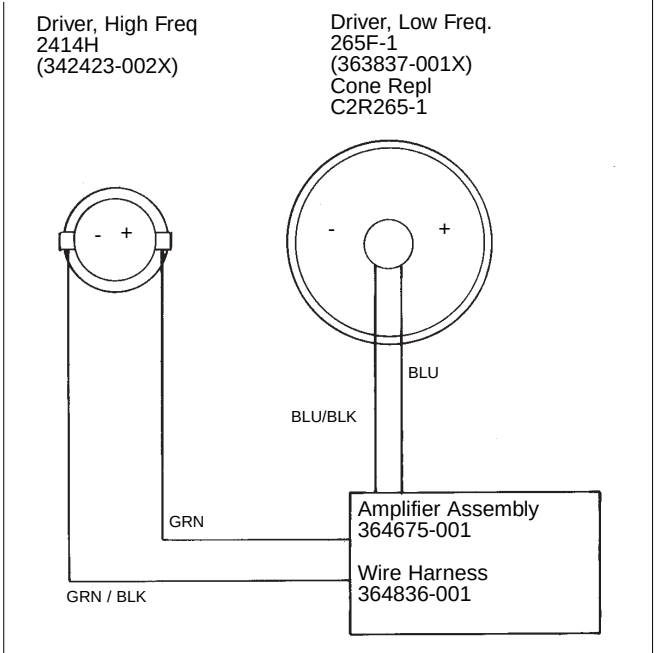
**WARRANTY INFORMATION:**

- Refer to Warranty Statement packed with each product.

## PACKAGE



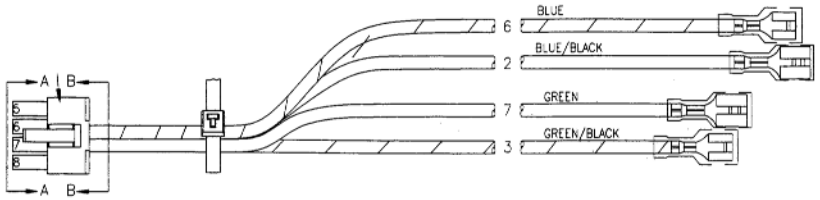

## WIRING DIAGRAM

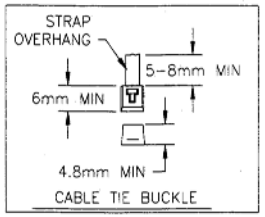


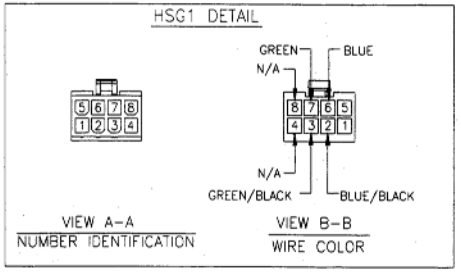

(SEE SCHEMATIC PAGE)

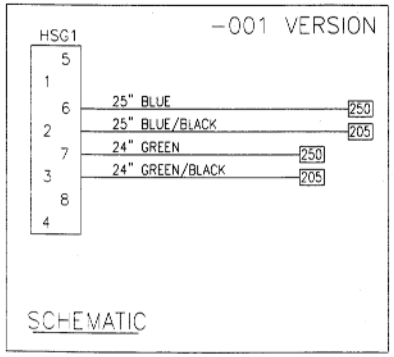
## SCHEMATIC ( Wire Harness)

**364836-001**



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## COMPONENT EXPLODED VIEW

