

# Technical Manual



# JBL VT4887A

## SPECIFICATIONS

### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Nominal Impedance: 8 Ohms (drivers wired in series-parallel, passive network)
- System Input Power Rating: LF: 1000 W Continuous, 4000 W Peak (AES / 2 hours)  
MF/HF: 225 W Continuous, 900 W Peak (AES / 2 hours)
- Frequency Response: 67 Hz- 20 kHz (±3 dB)
- Frequency Range: 55 Hz- 22 kHz (±10 dB)
- Maximum Peak Output: 131 to 141 dB SPL @ 1m (Frequency/Bandpass Dependent)
- Recommended Signal: dbx 4800, Crown I-Tech, BSS FDS-366T, and other Digital System Controllers support
- Recommended Amplification: LF: 1000 - 2000 W into 8 ohms  
MF/HF: 450 -900 W into 8 ohms
- Horiz Coverage Angle: 100°, 500 Hz - 16 kHz (-6dB)
- Vert Coverage Angle: Varies with size and configuration(-6dB)
- Crossover Frequency: 415 Hz LF to MF/HF; 2.1 kHz MF to HF (Passive Crossover Network)

### SYSTEMS COMPONENTS:

- Cabinet: Enclosure Assembly C4887
- Grille: Left (351533-002), Right (351533-001)
- Low Frequency Transducer: (2) 2168J-1, 203 mm (8") dia., 76 mm (3") Dual Coil, Neodymium Differential Drive, Direct Cooled
- Bandpass Nominal Impedance: 8 ohms (16 ohms each transducers, wired in parallel)
- Input Power Rating: 1000W Continuous, 4000W Peak (AES / 2 hour)

### SYSTEMS COMPONENTS (Cont):

- Bandpass Sensitivity: 97 dB, 1W @ 1m (2.83 Vrms 3.3 ft.)
- DC Resistance: 5.2 Ohms
- Mid and High Frequency: Mid: (4) 2104H, 101 mm (4 in) with 25.4 mm (1 in) dia. voice coil  
High: (2) 2408H 25 mm (1 in) exit compression driver, 38 mm (1.5 in) voice coil
- Bandpass Nominal Impedance: 8 ohms (drivers wired in series-parallel, passive network)
- Input Power Rating: 225 W Continuous, 900 W Peak (100 Hour)
- Bandpass Sensitivity: 103 dB, 1W @ 1m (2.83 Vrms 3.3 ft.)
- DC Resistance: 4.3 Ohms

### AURAL SWEEP TEST SPECIFICATIONS:

- A. System Aural Sweep Test (thru processor measured at the amp out put): 6V, 80 Hz to 20 kHz
- B. LF Woofer Sweep Test: 23.7V, 50 Hz to 2 kHz
- C. MF Woofer Sweep Test: 4V, 200 Hz to 4 kHz
- D. HF Driver Sweep Test: 0.75V, 200 Hz to 20 kHz

### PHYSICAL SPECIFICATIONS:

- Enclosure Dimensions: 281 mm x 787 mm x 415 mm D (11 x 31x 16.3 in. D)
- Net Shipping Weight: 67 lbs. (30.4 kg)
- Shipping Weight: 90 lbs. (40.8 kg)

### WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

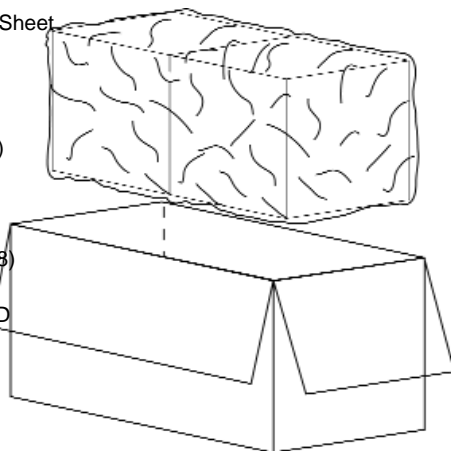
## PACKAGE

Warranty 59660  
Specification Sheet 360951-001

Filler (2) 351864-001  
Microfoam (8) 49790P

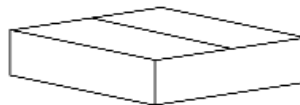
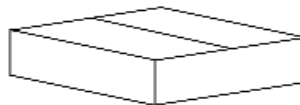
Carton 351863-001  
Fiberglass (18) 22389P

Chip FBRBRD 300982-001



Dolly Assembly (VT4887A) 350401-003

Carton 350528-001



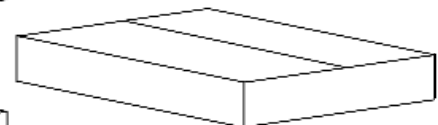
JBL VT4887-SF

Carton 350712-001  
Filler (2) 350713-001  
Owner's Manual 350485-001

Filler, Top (2) 351400-001

Filler, Bottom (2) 350529-001

Soft Cover 350527-001

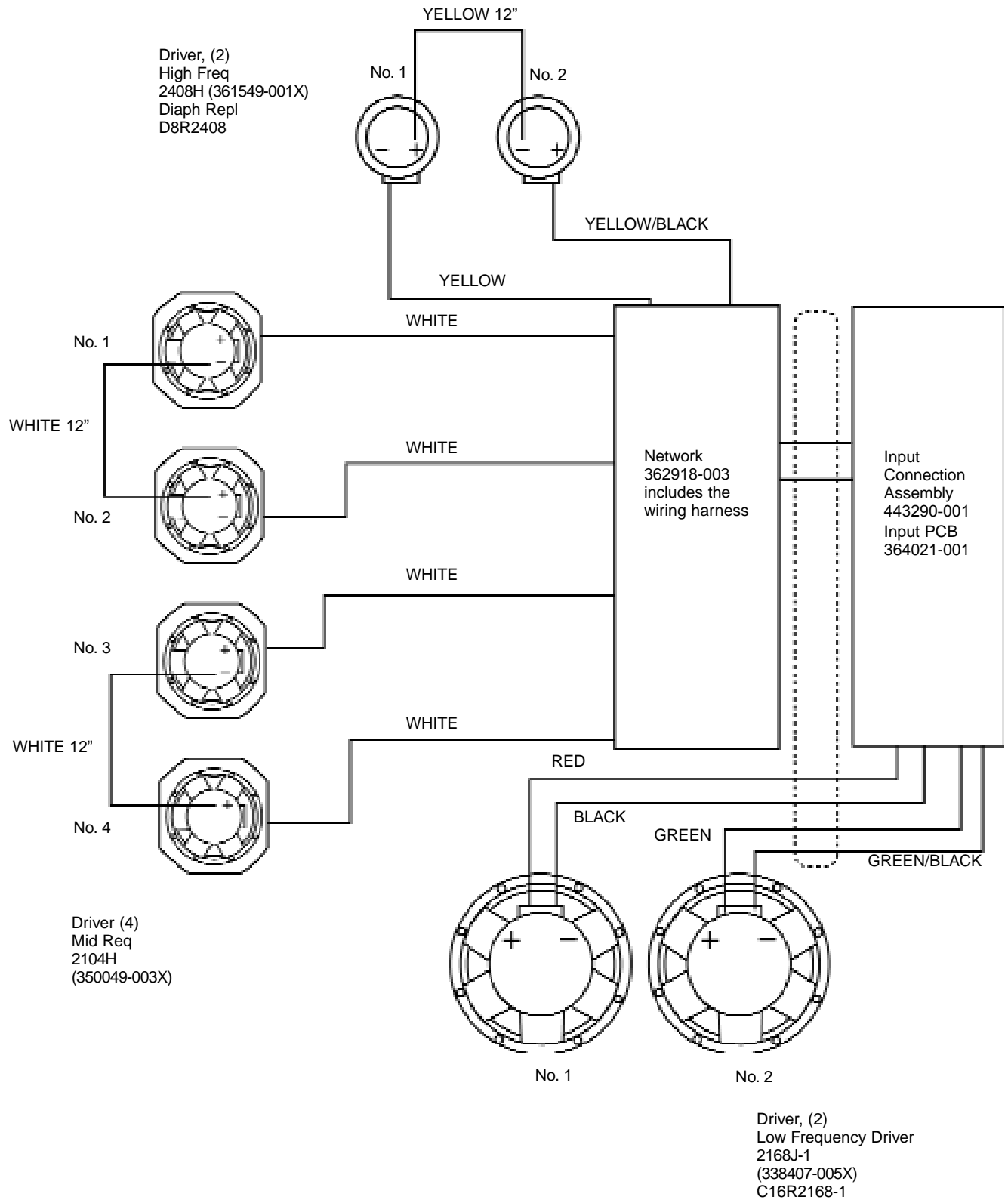


JBL VT4887-AF

Carton 350487-001  
Filler (2) 350486-001  
Owner's Manual 350485-001

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## WIRING DIAGRAM

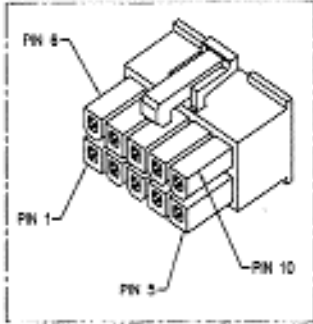
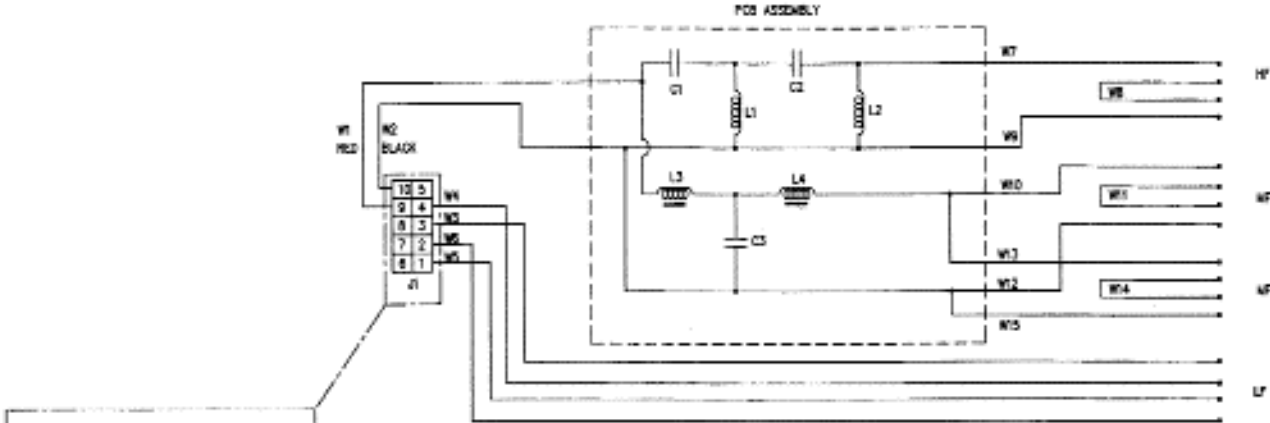


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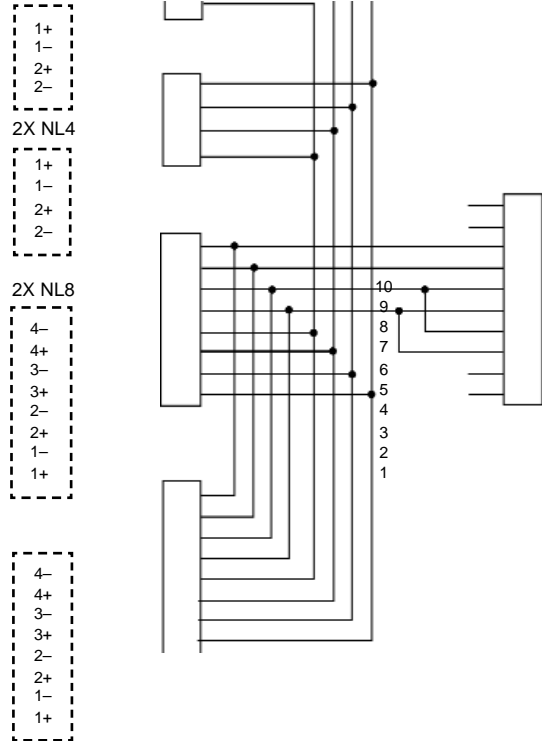
# JBL VT4887A

## SCHEMATIC DIAGRAMS

Mid/HF Crossover Network P/N 362918-003



Input Connection Assembly P/N 364021-001

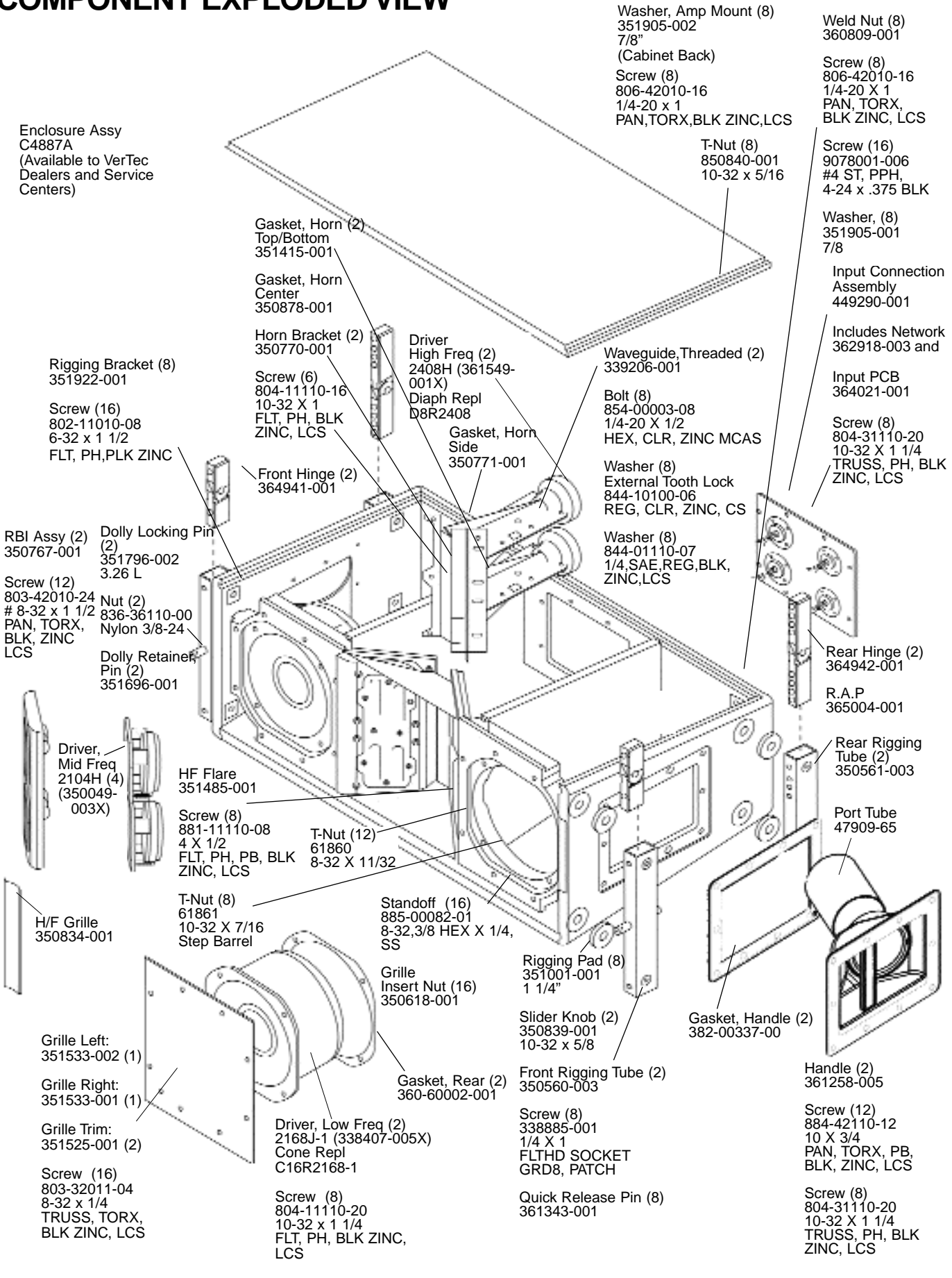


|    |    |   |          |
|----|----|---|----------|
| 22 | 12 | NYLON NRE TIES  |          |
| 21 | 2  | NRE, 20" WHI/BLK, 16AWG, FASTON 250 MALE, CSA TYPE TEW                          | W12, W15 |
| 20 | 2  | NRE, 12" BLK, 16AWG, FASTON 250 MALE/FEMALE, CSA TYP TEW                        | W11, W14 |
| 19 | 2  | NRE, 20" WHI, 16AWG, FASTON 250 FEMALE, CSA TYPE TEW.                           | W10, W13 |
| 18 | 1  | NRE, 20" YEL, 16AWG, FASTON 187, CSA TYPE TEW.                                  | W9       |
| 17 | 1  | NRE, 12" BLK, 16AWG, FASTON 187 AND FASTON 250, CSA TYPE TEW                    | W8       |
| 16 | 1  | NRE, 20" YEL/BLK, 16AWG, FASTON 250, CSA TYPE TEW                               | W7       |
| 15 | 2  | NRE, 31" GRN/BLK, 16AWG STRIP TIN, CSA TYPE TEW                                 | W4, W6   |
| 14 | 2  | NRE, 31" GRN, 16AWG STRIP TIN, CSA TYPE TEW                                     | W3, W5   |
| 13 | 1  | NRE, 15" BLK, 16AWG STRIP TIN CSA TYPE TEW                                      | W2       |
| 12 | 1  | NRE, 15" RED, 16AWG STRIP TIN, CSA TYPE TEW                                     | W1       |
| 11 | 5  | SFACER, Y1-002  |          |
| 10 | 5  | RIVET, #5 X 7mm   |          |
| 9  | 1  | PCB, 5.0" X 8.0" FR-4   |          |
| 8  | 1  | CONNECTOR, MOLEX #39-01-2105, CABLE MOUNT                                       | J1       |
| 7  | 1  | COIL, S82 LAM/CORE, 0.4mH/DCR 0.2 OHM, WRE #1.3mm, ENAMEL MUST BE RATED AT 180° | L4       |
| 6  | 1  | COIL, S82 LAM/CORE, 1.2mH/DCR 0.4 OHM, WRE #1.3mm, ENAMEL MUST BE RATED AT 180° | L3       |
| 5  | 1  | COIL, AIR CORE 0.7mH, 0.4 OHM DCR, WRE #1mm, ENAMEL MUST BE RATED AT 180°       | L2       |
| 4  | 1  | COIL, AIR CORE 0.28mH, 0.2 OHM DCR, WRE #1mm, ENAMEL MUST BE RATED AT 180°      | L1       |
| 3  | 1  | CAPACITOR, 16uF/250V WT J   | C3       |
| 2  | 1  | CAPACITOR, 5uF/250V WT J  | C2       |
| 1  | 1  | CAPACITOR, 3uF/250V WT J  | C1       |

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## COMPONENT EXPLODED VIEW

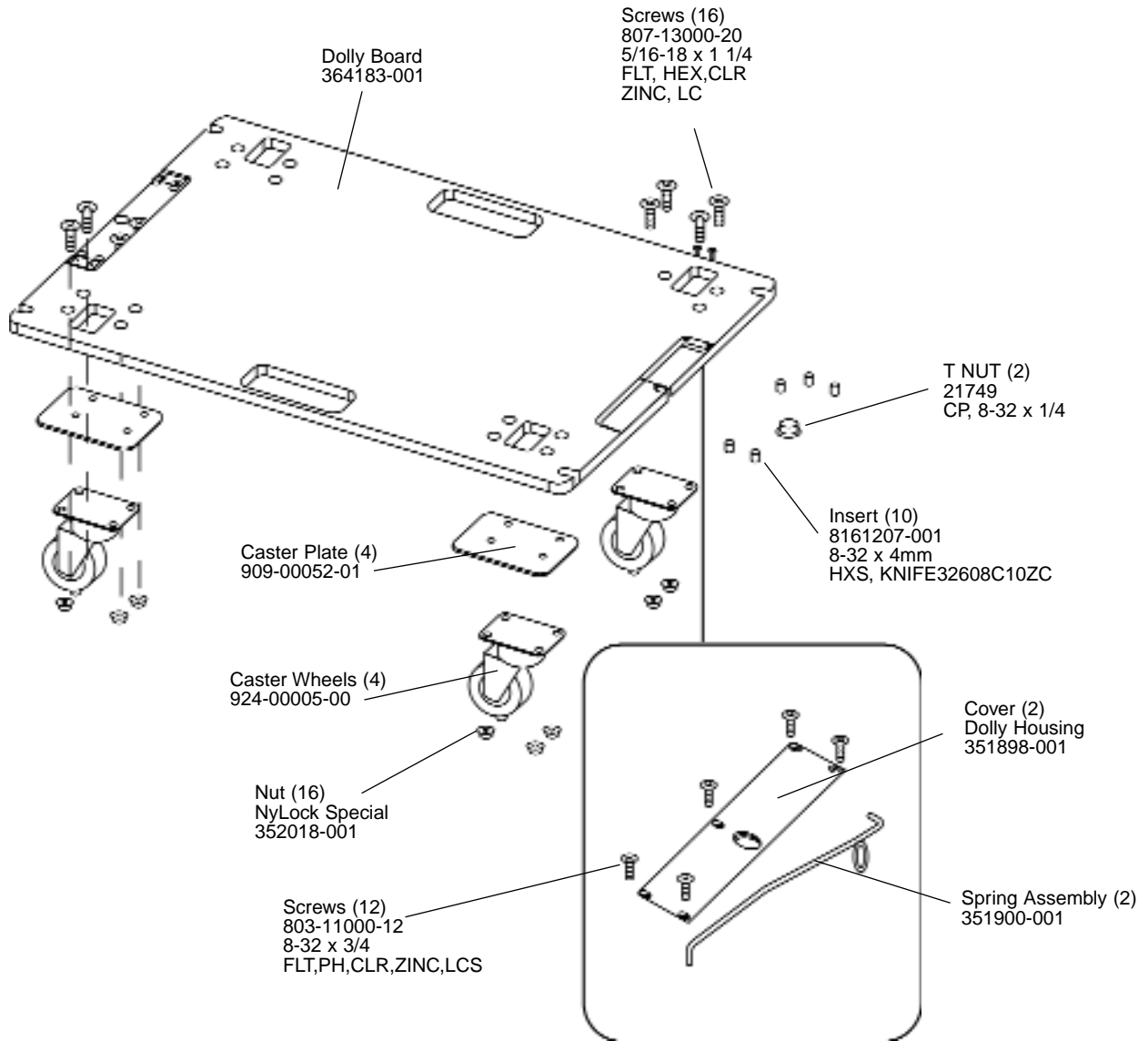
Enclosure Assy  
C4887A  
(Available to VerTec  
Dealers and Service  
Centers)



JBL VT4887A

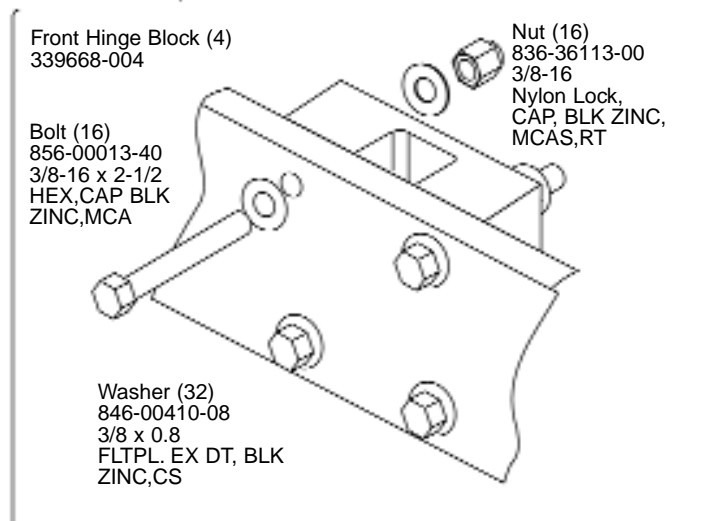
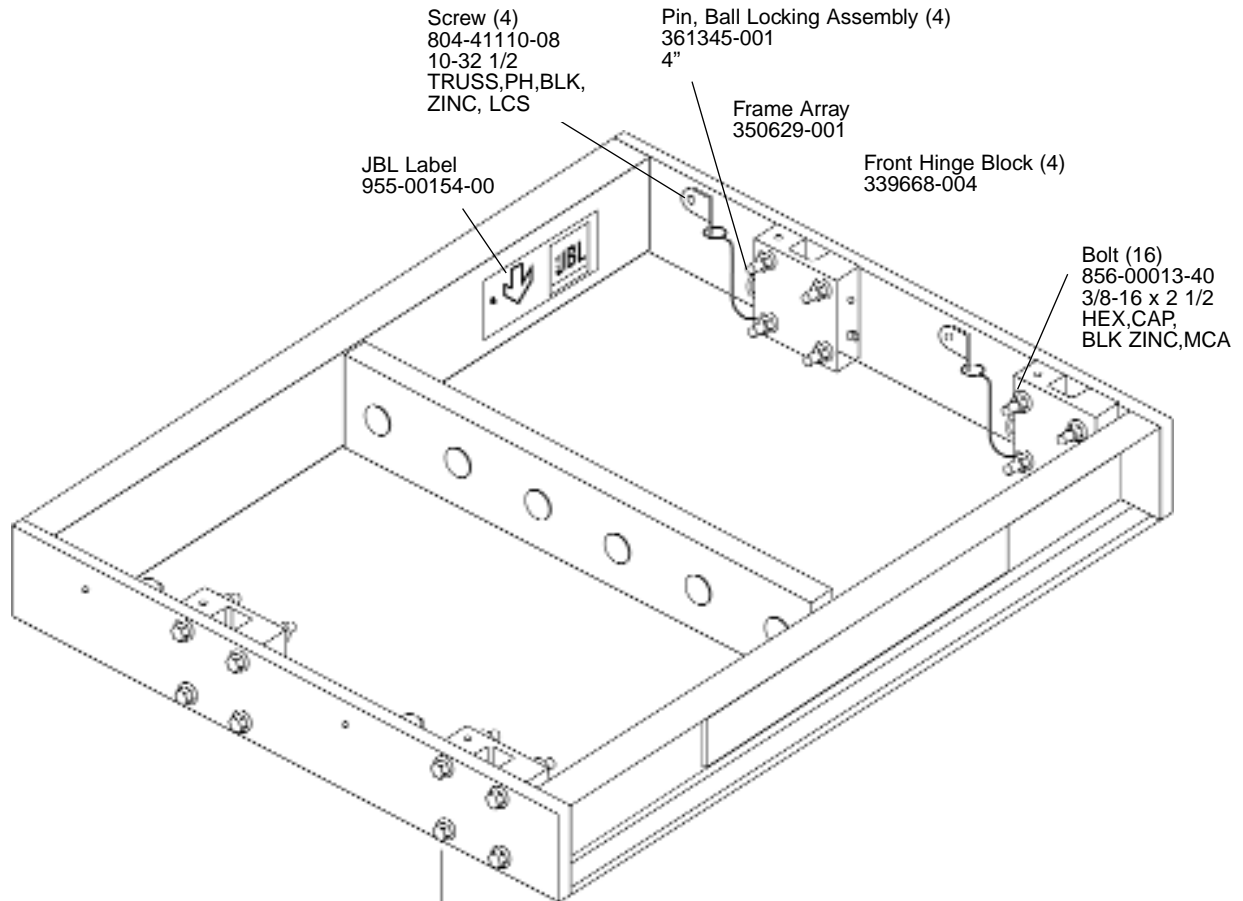
### DOLLY ASSEMBLY

350401-003



# JBL VT4887-SF

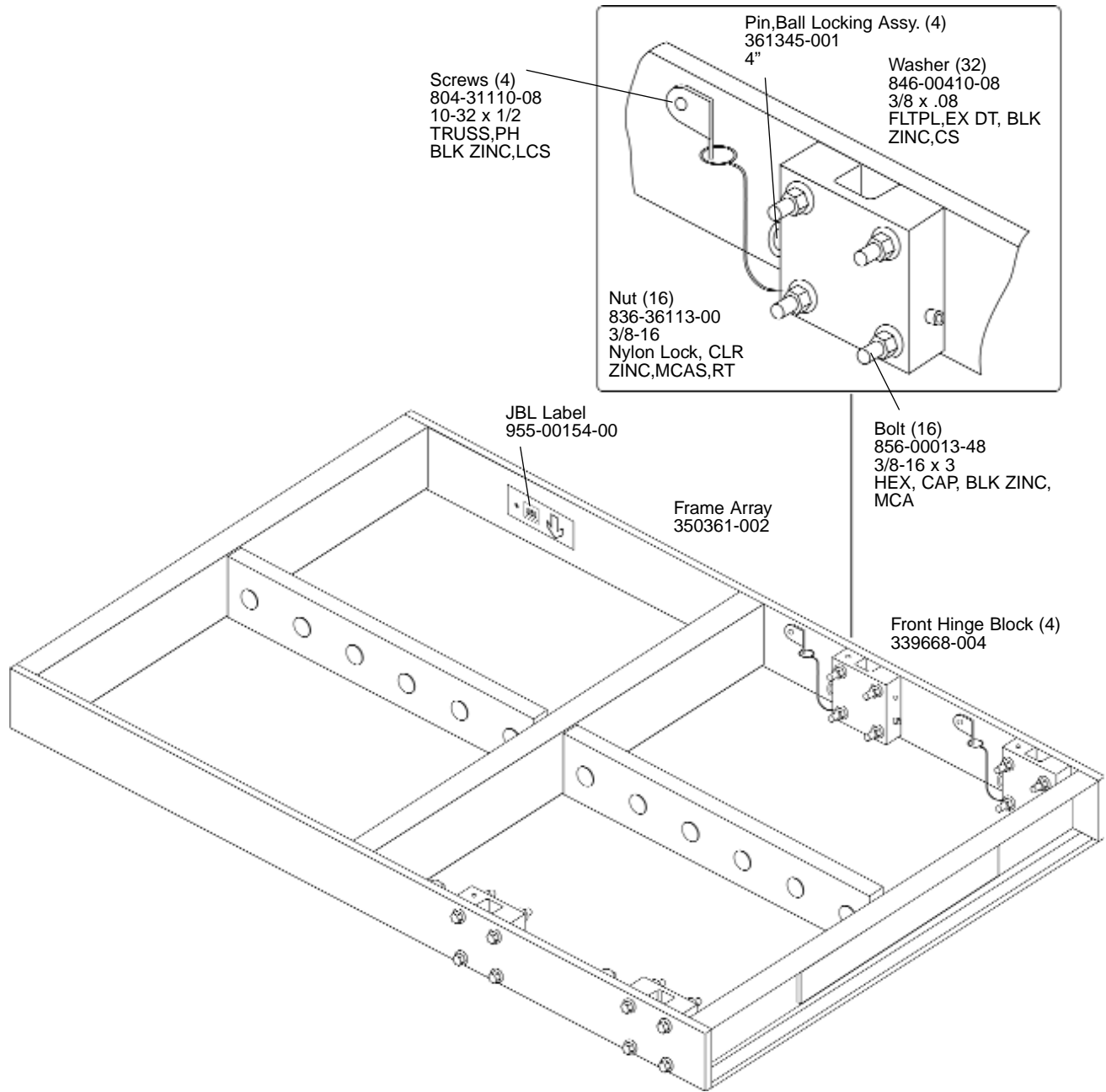
## ARRAY FRAME ASSEMBLY



JBL VT4887-SF

# JBL VT4887-AF

## ARRAY FRAME ASSEMBLY



JBL VT4887-AF