Technical Manual

JBL CONTROL 12CT/BK

SPECIFICATIONS

ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Frequency Response (±3 dB): 95 Hz – 15 kHz
- Frequency Range (–10 dB): 68 Hz – 17 kHz
- Rated Maximum SPL: 97 dB @ 1 m (3.3 ft) ave., 103 dB peak
- Nominal Impedance: 8 ohms (in direct/bypass 8Ω setting)
- Power Capacity (at low-Z): 40 Watts Continuous Program Power
  20 Watts Continuous Pink Noise
- Transformer Taps: 15 W, 7.5 W, 3.8 W @ 70V and 100V
  (& 1.9 W @ 70V only)

SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not For Sale)
- Grille: 5030776 (WH), 5036204 (BK)
- Full-Range Driver: 76 mm (3 inch) with polypropylene cone, butyl rubber surround, Kapton™ voice coil former, high temperature voice coil, aluminum coupling ring for low distortion and HF extension
- D.C.Resistance: 6.8 ohms +/- 5%

AURAL SWEEP TEST SPECIFICATIONS:

A. System.Aural Sweep Test: 4.0 V Input, 80 Hz to 20 kHz
B. F.R.D Aural Sweep Test: 5.0 V Input, 90 Hz to 5 kHz

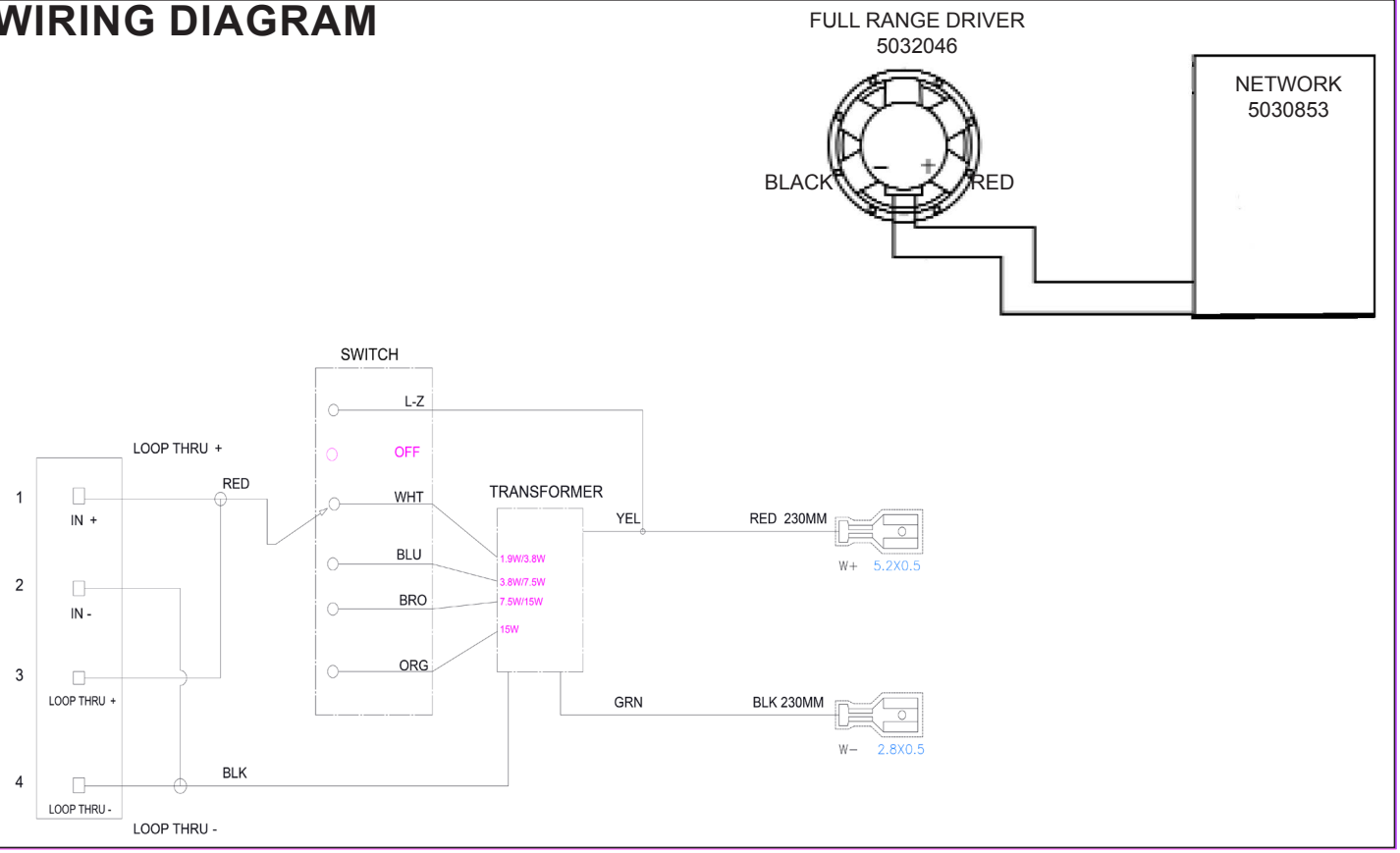
PHYSICAL SPECIFICATIONS:

- Enclosure Dimensions: 196 mm diameter x 138 mm depth from back of baffle
  (7.7 in diameter x 5.4 in depth)
- Net Weight: 1.6 kg (3.5 lbs, one speaker)

WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

WIRING DIAGRAM



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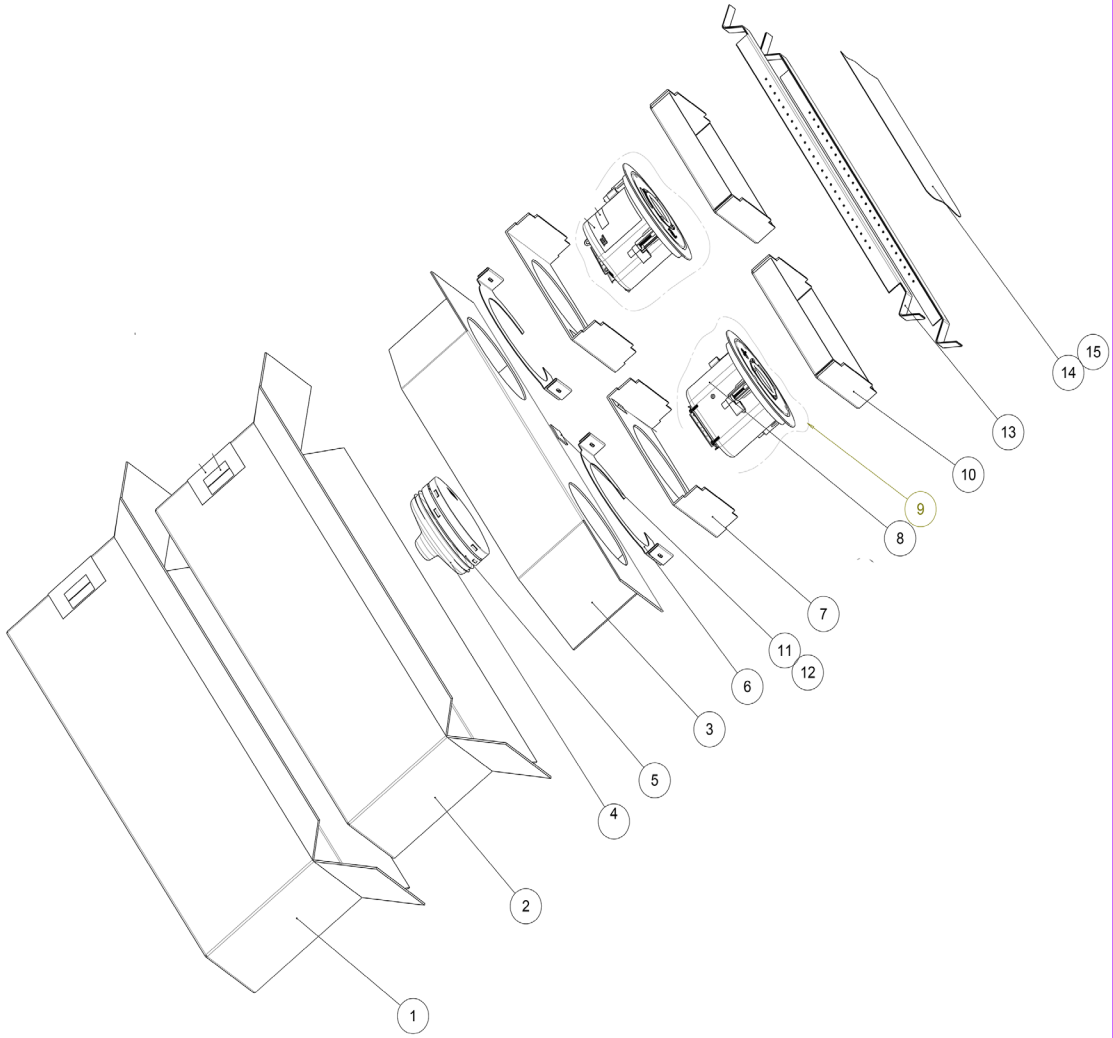
PACKAGE

Item	Part No.	Qty	Description
			PACKAGING NOT FOR SALE
1	5035608	1	OUTER CARTON, CONTROL 12C/T (WHITE)
1	5035606	1	OUTER CARTON, CONTROL 12C/T (BLACK)
2	5035633	1	INNER CARTON, CONTROL 12C/T
3	5036584	1	SHPNGMATL,FILR,MASTER PAD,C12CT
4	210-0007	2	PAINT SHIELD
5	5030776	2	GRILLE,C12CT (WHITE)
5	5036204	2	GRILLE,C12CT (BLACK)
6	040-0007	2	C-BRACKET
7	5036583	2	SHPNGMATL,FILR,CUTOUT PAD,C12CT
8		2	SPKR,ASY,C12CT
9	5036588	2	SHPNSGMATL,BAG,C12CT
10	5036585	2	SHPNGMATL,FILR,TOP PAD,C12CT
11	210-0045	1	BAG_POLYROLL_HEATSEAL_12CM WIDE
12	130-0005	4	SCREW_6-AB×0.5"_PHL_PAN_STL_BLK
13	260-0005	4	SIDE RAIL,TILE BRIGE
14	5036589	1	SPEC SHEET,C12CT
15	5036327	1	OWNER'S MANUAL,C10
16	5036115	2	LOGO (BLACK)
16	5036116	2	LOGO (WHITE)



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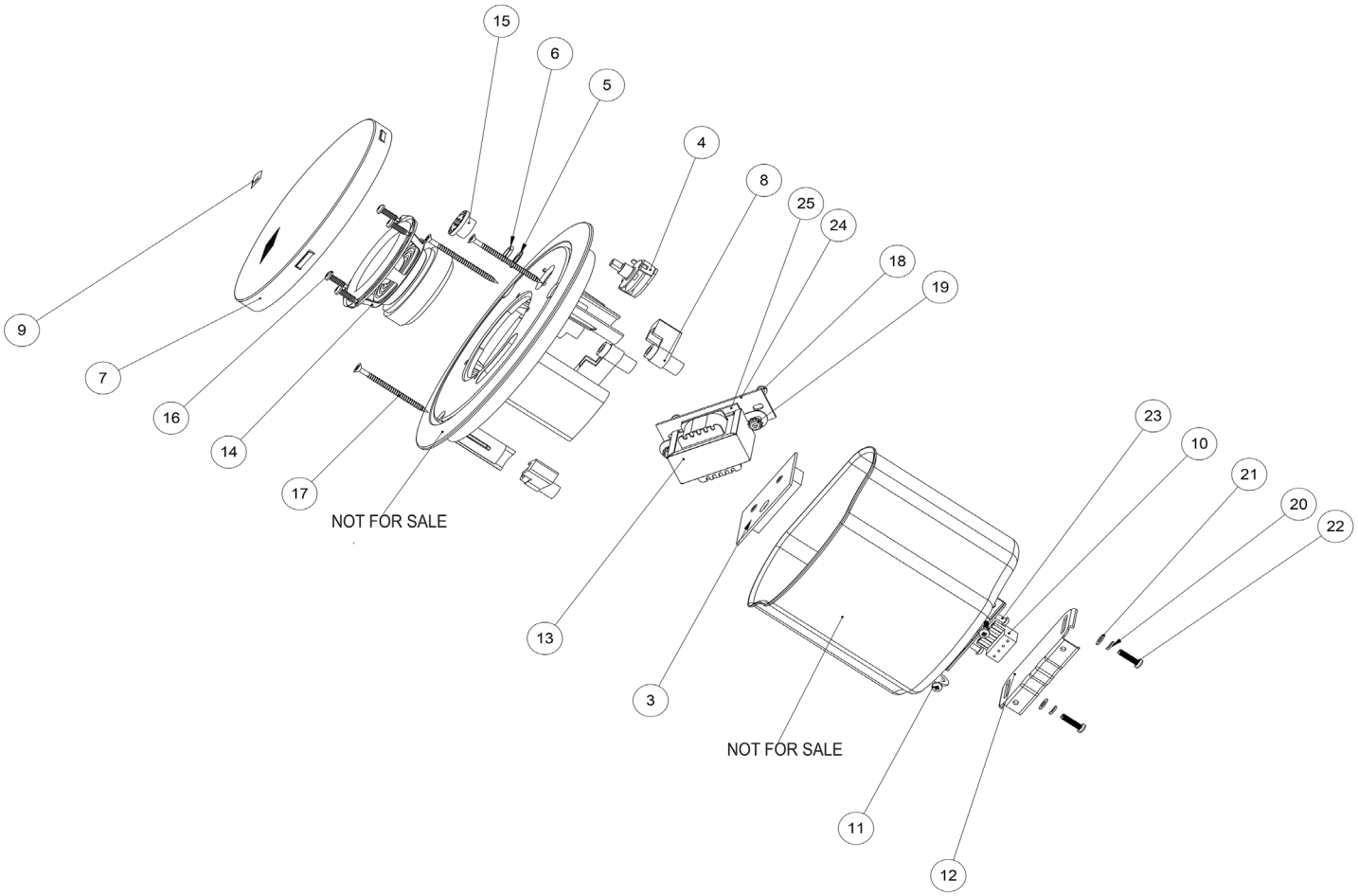
COMPONENT EXPLODED VIEW



COMPONENT PARTS LIST:

Item	Part No.	Qty	Description
3	5030853	1	NETWORK,C12CT
4		1	SWITCH,C10CT
5	5032171	1	WASHER,Φ9,SWITCH
6		1	NUT,M9,SWITCH
7	5030776	1	GRILLE,C12CT, WHITE
7	5036204	1	GRILLE,C12CT, BLACK
8	210-0024	3	DOG CLAMP
9	5036115	1	LOGO,C10CT, WHITE
9	5036116	1	LOGO,C10CT, BLACK
10	5032048	1	CON,INPUT TERMINAL,FEM,C10CT
11	5032166	2	SCR,M4×35,PAN,PH,CLEAR ZINC
12	5030841	1	HDW,BRKT,BACKCAN_COVER,C10CT
13	5032045	1	TRANSFORMER,C12CT
14	5032046	1	FULL RANGE DRIVER,C12CT
15	5030777	1	SWITCH_ COVER,C12CT
16	5032167	4	SCR,ST3.5X15,TRUSS,PH,BLK ZINC
17	5032168	3	SCR,ST4X57,FLAT,PH,BLK ZINC
18	5032165	2	SCR,M4×10,PAN,PH,CLEAR ZINC

Item	Part No.	Qty	Description
19	5032047	2	NUT,M4,CHRYSANTHEMUM WASHER
20	5036326	2	SPRING WASHER, Φ4,CLEAR ZINC
21	5036325	2	WASHER,Φ4,CLEAR ZINC
22	5036332	2	SCR,M4×15,PAN,PH,CLEAR ZINC
23	5036443	2	SCR,M3.5×10,PAN,PH,CLEAR ZINC
24	5036329	1	GASKET,EVA,TRANSFOMER,C12CT
25	5037705	1	GASKET,TRANSFOMER BOT,C12CT

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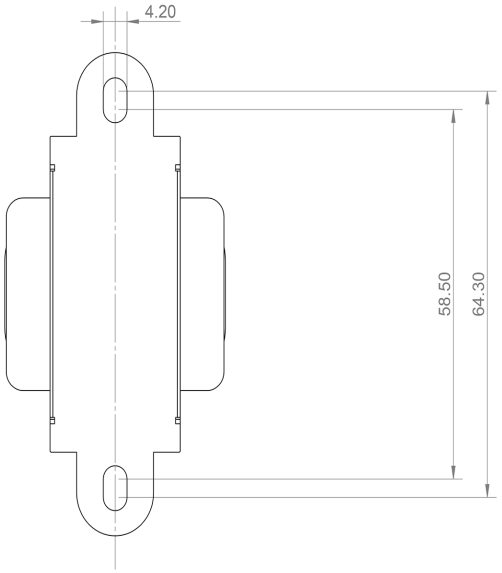
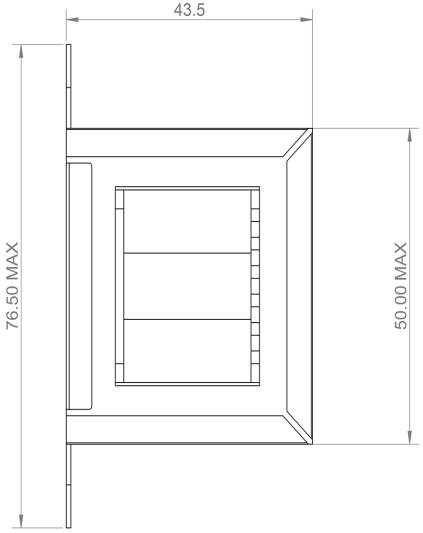
TRANSFORMER





PRIMARY

WIRE SPEC:
AWM1007; 20AWG,
LENGTH:220mm±5mm
END STRIPPED AND TINNED 7MM

INPUT 1: BLACK, GROUND
INPUT 2: ORANGE, 15W@70V;
INPUT 3: BROWN, 7.5W@70V;
INPUT 4: BLUE, 3.8W@70V;
INPUT 5: WHITE, 1.9W@70V;

SECONDARY

WIRE SPEC:
AWM1007; 20AWG,
END STRIPPED AND TINNED 7MM
LENGTH: 220mm ±5mm;

OUTPUT1:GREEN, NETWORK NEGTIVE;
OUTPUT2:YELLEW,NETWORK POSITIVE.

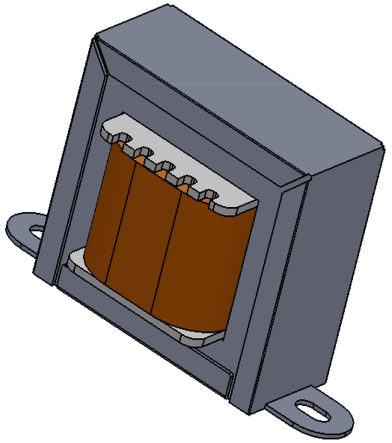
FREQUENCY RESPONSE: 40(-3dB)~20KHz(-1dB)@15W

INSERTION LOSS(1KHz): <1.5dB @15W

THD: <1.5% @ 100Hz, 15W

SALT SPRAY TEST: 24H.

TRANSFORMER MATERIALS MUST BE UL RECOGNIZED.



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