



SYSTEM COMPONENTS

Enclosure:

3/4" 7-ply poplar plywood

Low Frequency Transducer:

18" Cone
3" Voice coil
95 oz. Magnet

Mid Frequency Transducer:

12" Cone
2.5" Voice coil
80 oz. Magnet

High Frequency Transducer:

1" Exit compression driver
1.8" Titanium diaphragm
15 oz. Magnet
Radial horn

Input Connectors:

1 - Dual banana
2 - 1/4" Phone
2 - Neutrik Speakon

Grille:

16 Gauge black vinyl
coated perforated steel

Standard Hardware:

8 - Recessed handles
8 - Interlocking corners
1 - Protective grille cover
2 - 3 1/2" Rigid casters

ACOUSTIC AND ELECTRICAL

System Type:

3-way
Low section 5.5 ft³ vented
Mid section 1.0 ft³ sealed

Impedance:

4 Ω

Crossover Network:

Passive Time-Align® equalizer
type at 2.5 kHz and 125 Hz

Time Offset Between Drivers:

< ± 25 Microseconds

Frequency Response:

40 Hz to 20 kHz ±3 dB
(4π Steradians)

Sensitivity:

101 dB SPL (1W @ 1m)

Dispersion:

80° Horizontal (-6 dB)
60° Vertical (-6 dB)
(Horn may be rotated 90° for
a 60°H x 80°V dispersion)

Power Handling:

300 W continuous sine wave
1200 W instantaneous peak

PHYSICAL

Finish:

Black carpet

Dimensions:

44" h x 22.5" w x 18.5" d
112 cm x 59 cm x 47 cm

Weight:

143 lbs.
65 kg

Shipping Dimensions:

20" x 45" x 25"
51 cm x 115 cm x 64 cm

Shipping Weight:

154 lbs.
70 kg

APPLICATIONS:

Portable Sound Reinforcement

Nightclub Applications

Portable DJ Systems

Drum Monitor

Electronic Keyboards

AF1A-R The AF1A-R is a portable wide range loudspeaker system offering both high fidelity and high efficiency. The Time-Aligned studio quality sound provides detail and clarity not found in other designs. Rugged carpet covered poplar plywood with recessed handles, casters, corners and our unique front grille cover make the AF1A-R an ideal choice for portable sound reinforcement and musical instrument applications.

About Time-Align® Time-Align® assures that the fundamental and overtones of a complex, transient, acoustical signal are presented to the listener in the same relationship as the electrical signal at the input terminals of the loudspeaker.

The conventional loudspeaker spreads out the sound in time: when a rapid series of transients occur the results are blurring and lost detail. With Time-Align®, a transient is presented as a tight package of energy, with the same time relationships as the natural sound. This means that a rapid series of transients will be heard clearly.

True Time-Alignment™ requires much more than just physically lining up the loudspeaker components. It requires consideration of the driver placement, driver delay and adjustment of the crossover delay parameters. This achieves the precise simultaneous acoustical arrival time of each driver throughout the crossover region.

Along with state-of-the-art laboratory instruments, the proprietary Time-Align® generator, built by Ron Wickersham, is used in designing our loudspeaker systems. The Time-Align® generator is founded upon different underlying mathematical principles than are used in the more common Fourier based measurement equipment.

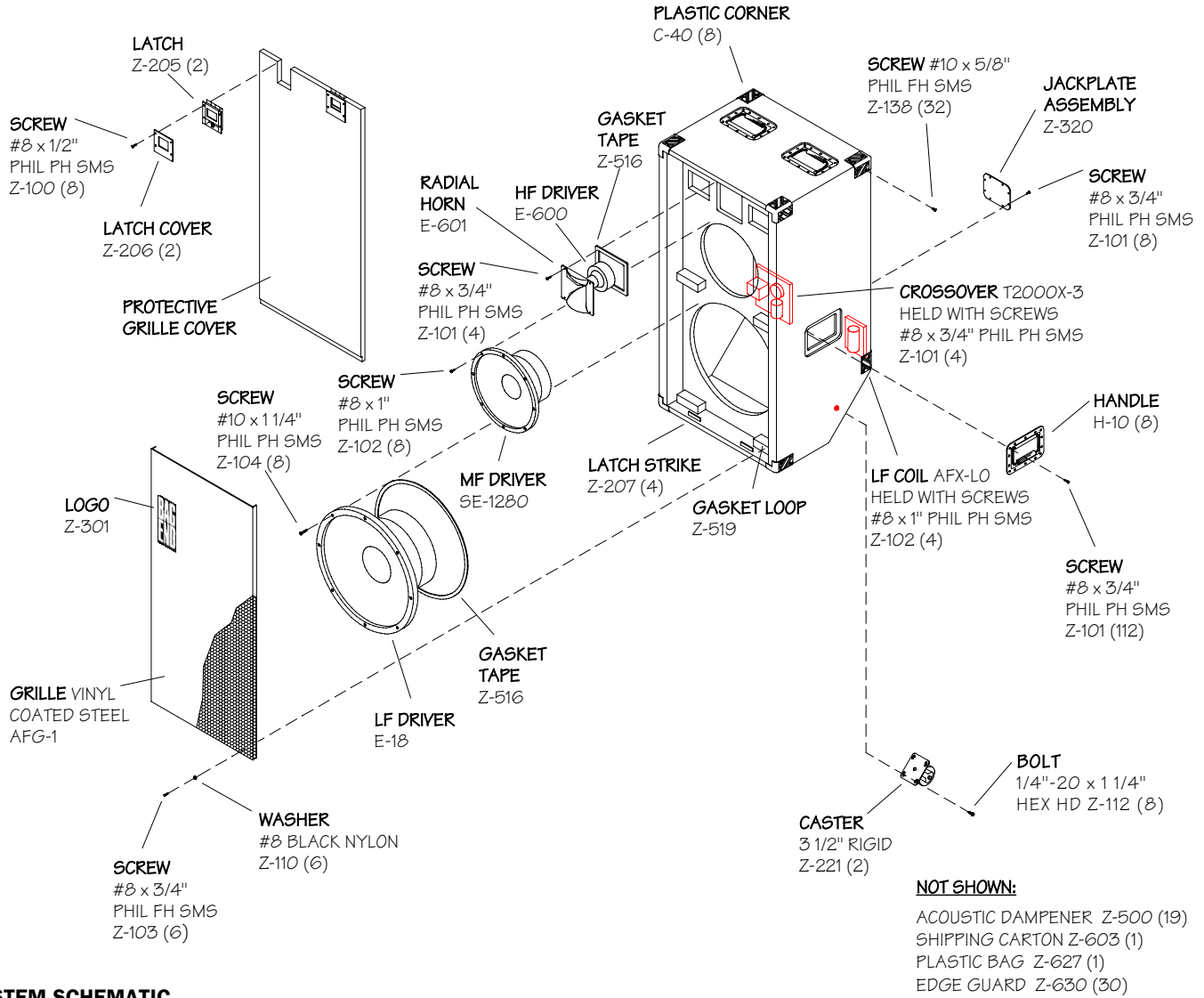
When comparing a genuine BAG END Time-Aligned™ speaker system to any other, our additional design work is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of our Time-Aligned™ loudspeakers is noted throughout the world.

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AF1A-R



SYSTEM SCHEMATIC

