



#### 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:

2 - Recessed handles  
8 - Interlocking corners

#### ACOUSTIC AND ELECTRICAL

##### System Type:

3-way vented  
Bass section 6.2 ft³  
Mid section 1.2 ft³

##### 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 23"w x 18.5"d  
112 cm x 59 cm x 47 cm

##### Weight:

121 lbs.  
55 kg

##### Shipping Dimensions:

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

##### Shipping Weight:

132 lbs.  
60 kg

## APPLICATIONS:

Electronic Keyboards

Acoustic Guitar

Electric Bass Guitar

Drum Monitor

Portable DJ Systems

Portable PA Systems

Auditorium Reinforcement

**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.

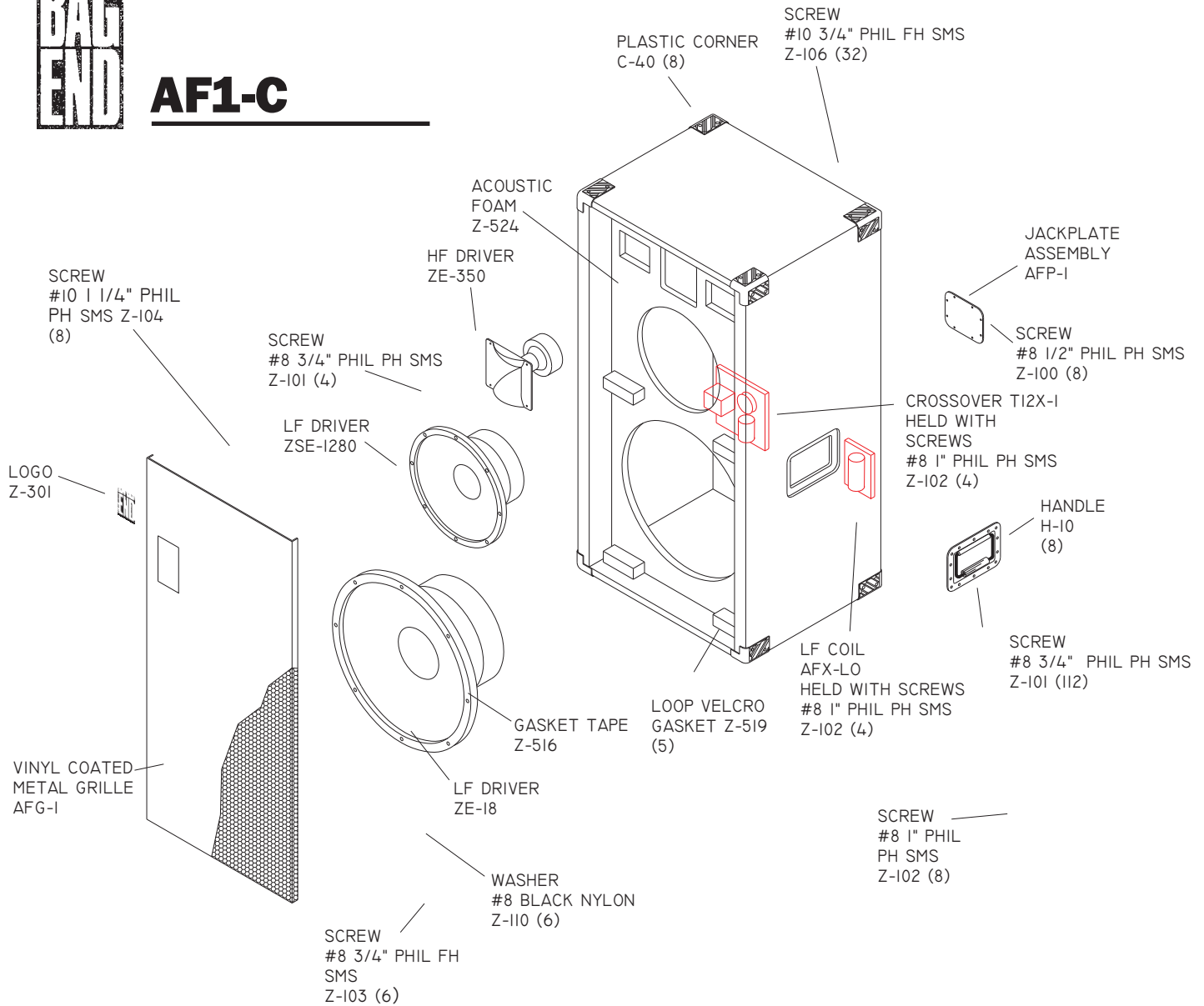
When comparing a genuine BAG END Time-Aligned™ speaker system to any other, our additional design work is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of our Time-Aligned™ loudspeakers is noted throughout the world.

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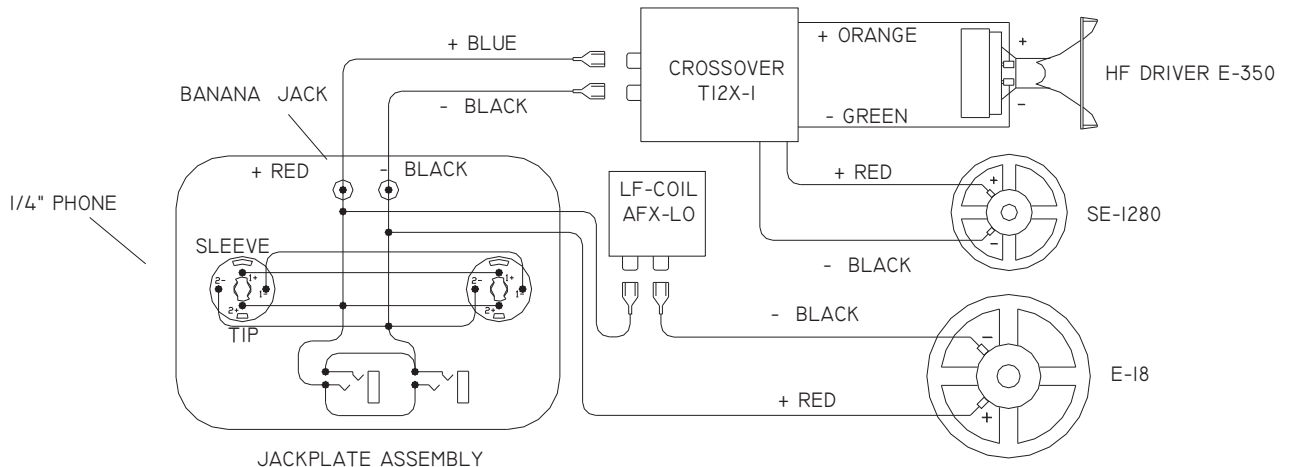




## AF1-C



### SYSTEM SCHEMATIC



**BAG END Loudspeakers, 1201 Armstrong Street, Algonquin, Illinois 60102 USA Phone 847 658 8888 Fax 847 658 5008**

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