

SYLVANIA

A SUBSIDIARY OF
GENERAL TELEPHONE & ELECTRONICS

FACTORY PREPARED TECHNICAL SERVICE DATA

MODELS: AS51W, AS61W - AIR SUSPENSION SPEAKER

MODELS: AS51W, AS61W



SERVICE PUBLICATIONS DEPARTMENT

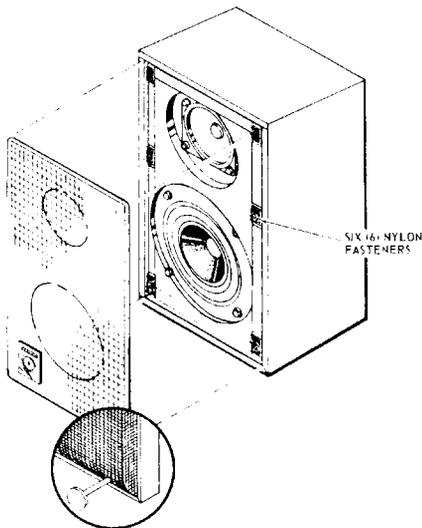
Entertainment Products Division · Sylvania Electric Products Inc. · 700 Ellicott Street · Batavia, N. Y.

REMOVAL OF GRILLE ASSEMBLY AND SPEAKERS

Air Suspension speaker systems require a complete seal around all openings. Exercise caution in removal and replacement of speakers to insure an air-tight seal. Commercial Mortite is used as a sealing compound.

1. The grille assembly is secured to the speaker housing by six (6) nylon fasteners not visible through the grille cloth.
2. Damage to surrounding materials will result from any attempt to remove the grille assembly by prying. Drive a small nail into a corner of the grille assembly as shown in the illustration. **IMPORTANT:** to prevent damage, be certain that the nail penetrates no more than 1/4" through the grille cloth.

3. A firm pull outward on the nail will remove the grille from the baffle.
4. Remove screws from speaker and lift from housing. Disconnect leads from speaker. Be sure to observe correct phasing when installing speakers. Original Mortite can be reused for air-tight mounting.
5. To replace grille assembly on speaker housing, remove nail from grille assembly and position grille correctly on baffle. Press down firmly to insure suitable contact with nylon fasteners.

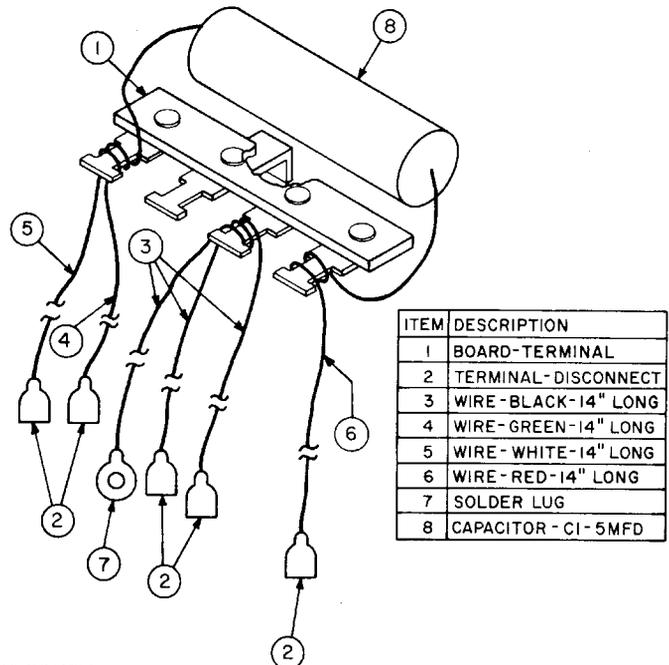


The AS51 and AS61 are small component book-shelf "air suspension", sealed speaker systems incorporating a high compliance bass driver and a wide dispersion closed back tweeter.

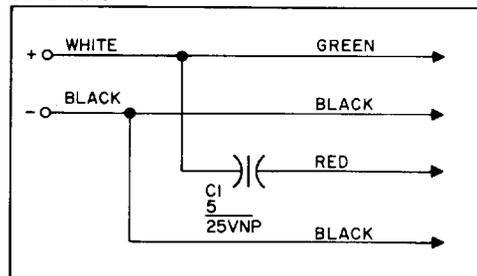
PERFORMANCE:

Nominal System Impedance	8 ohms
Recommended Amplifier power	20 Watts, IHF
Minimum Power - small room	5 Watts, IHF
- large room	10 Watts, IHF
Frequency Response - AS51	85Hz - 18Hz ±3db
- AS51	70Hz - 20Hz ±6db
- AS61	80Hz - 18kHz ±3db
- AS61	50Hz - 20kHz ±6db
System Resonance - AS51	90Hz
- AS61	72Hz
Enclosure Volume - AS51	265 cu. in.
- AS61	525 cu. in.
Crossover Frequency	2500Hz

CROSSOVER NETWORK



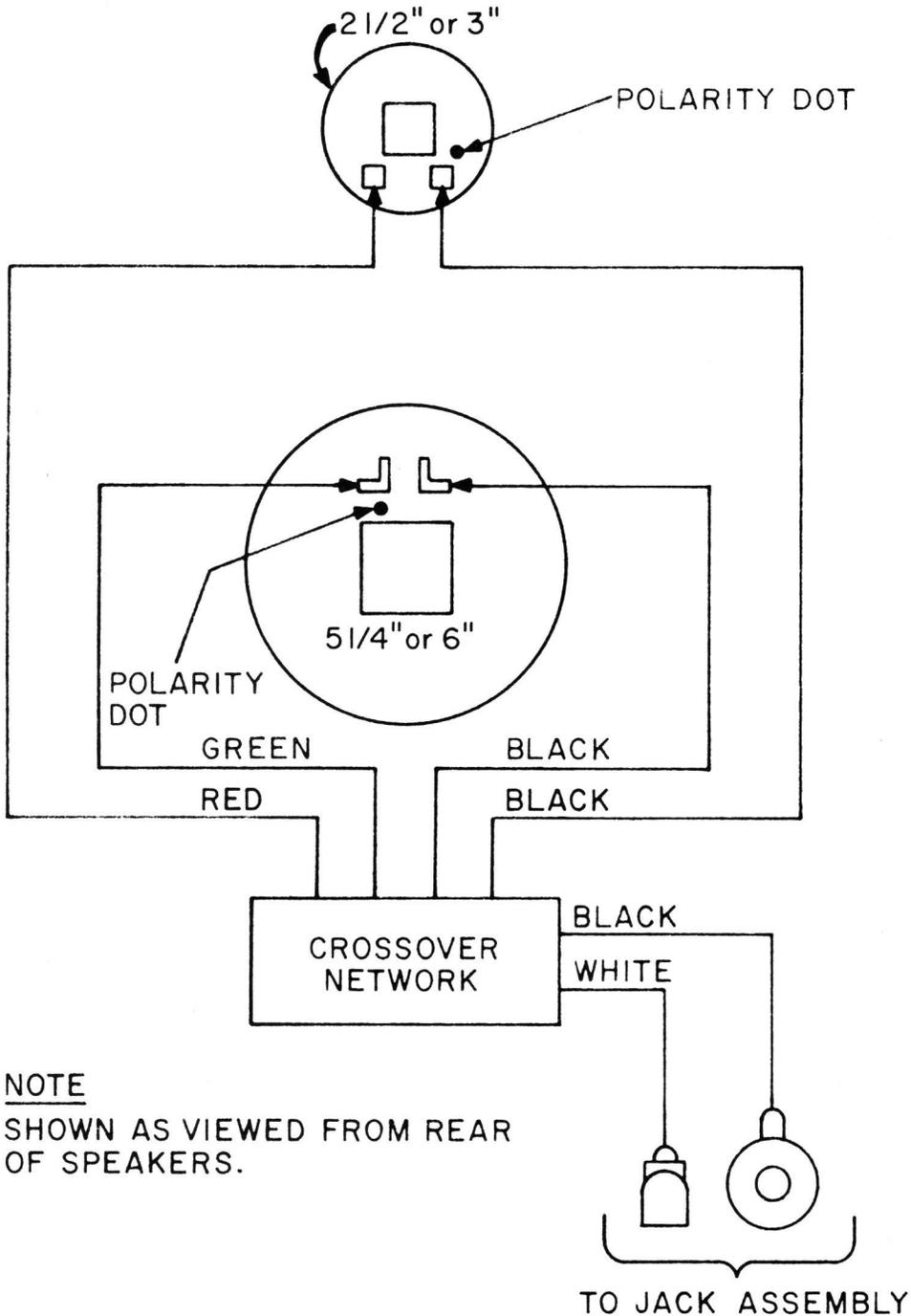
SCHEMATIC



REPLACEMENT PARTS LIST

DESCRIPTION	AS51	AS61
Cabinet - Grille Asm.	10-26141-1	10-26194-1
- Nameplate Medallion	74-22923-2	74-22923-2
- Trim (Bright Extrusion)	74-26207-1	74-26207-5
Cord - Speaker	73-14921-1	73-14921-6
Jack - Phono	73-14854-1	73-14854-1
- Flat Washer	73-14854-4	73-14854-4
- Mounting Eyelet	70-14635-2	70-14635-2
- Nut	73-14854-2	73-14854-2
- Solder Lug	73-14854-3	73-14854-3
Speaker - 2 1/2" PM	12-26977-1	
- 3" PM		12-26878-1
- 5 1/4" PM	12-22106-1	
- 6" PM		12-22108-1
- Crossover Capacitor - 4/25VNP	41-14304-11	41-14304-11

SPEAKER COMPLEMENT



NOTE
SHOWN AS VIEWED FROM REAR
OF SPEAKERS.

TO JACK ASSEMBLY