

# SYLVANIA

GENERAL TELEPHONE & ELECTRONICS

FACTORY PREPARED

## TECHNICAL SERVICE DATA

MODEL AS82W AIR SUSPENSION SPEAKERS

MODEL: AS82W



### SERVICE PUBLICATIONS DEPARTMENT

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

#### REMOVAL OF GRILLE ASSEMBLY AND SPEAKERS

##### IMPORTANT:

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

1. The grille assembly is secured to the speaker housing by wire brads, not visible through grille cloth.
2. Fabricate an angle bracket tool similar to illustration as shown in figure A.
3. Using the tool described in step 2, insert and pry gently at each corner brad on one side of speaker housing.
4. Place fingers under center of grille assembly and pull straight upward to release remaining brads. Remove assembly from speaker housing.
5. Remove hex-head screws from speakers and lift from housing. Disconnect leads from speaker. Install replacement speaker observing correct phasing. Original Mortite can be reused by forming a bead around rim.
6. To replace grille assembly:
  - A. Drive original brads into baffle to prevent air leakage.
  - B. Drive new brads into baffle through grille cloth.

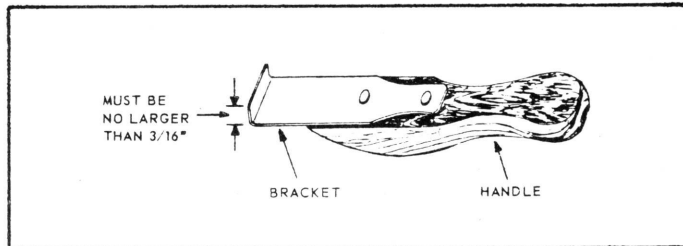
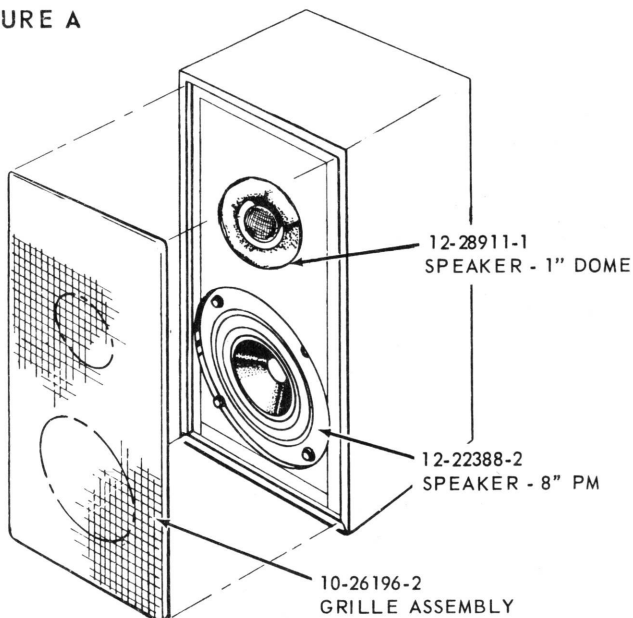
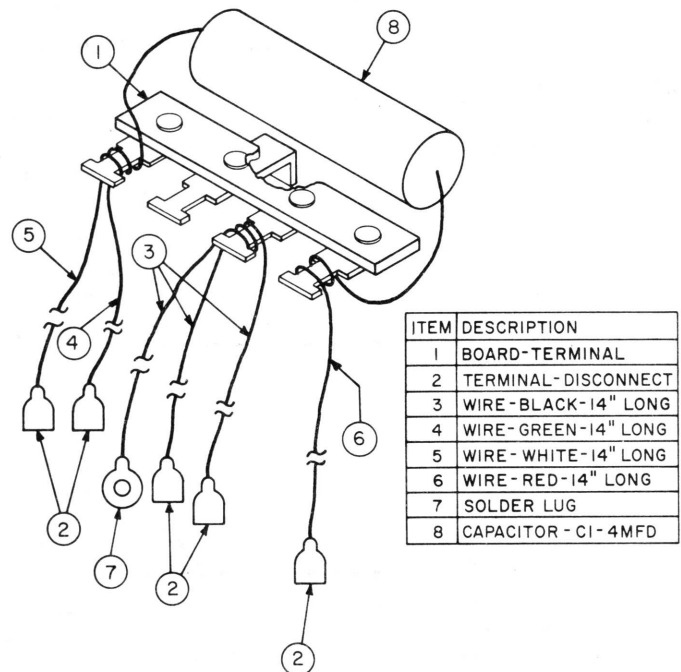


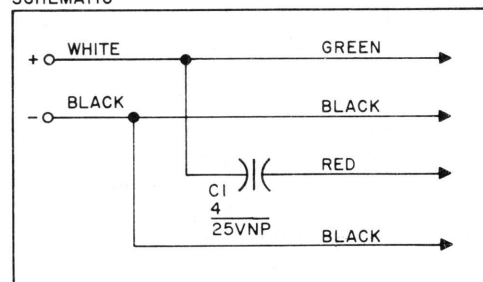
FIGURE A



#### CROSSOVER NETWORK



#### SCHEMATIC



The AS82 is a small component book-shelf, "air suspension", sealed speaker system incorporating a high compliance 8" bass driver and a 1" Dome Tweeter.

#### PERFORMANCE:

Nominal system impedance  
 Recommended amplifier power  
 Minimum power - small room  
                                     - large room  
 Frequency Response  
 System Resonance  
 Enclosure Volume  
 Crossover Frequency

8 ohms  
 40W - 1HF  
 10W - 1HF  
 20W - 1HF  
 50 - 18kHz  $\pm 3$ db  
 40 - 20kHz  $\pm 6$ db  
 60Hz  
 1425 cu. in.  
 1500Hz

## REPLACEMENT PARTS LIST

DESCRIPTION	SERVICE PART NO.
Cabinet - Grille Asm.	10-26196-2
- Nameplate Medallion	74-22924-2
- Trim (Bright Extrusion)	74-26207-4
Cord - Speaker	73-14921-6
Jack - Phono	73-14854-1
- Flat Washer	73-14854-4
- Mounting Eyelet	70-14635-2
- Nut	73-14854-2
- Solder Lug	73-14854-3
Speaker - 1" Dome	12-28911-1
- 8" PM	12-22388-2
- Crossover Capacitor - 5/25VNP	41-14304-3

## SPEAKER COMPLEMENT

