# SYLVAN

# **FACTORY PREPARED** TECHNICAL SERVICE DATA

MODEL: AS101W AIR SUSPENSION SPEAKER



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 head around rim.
- 6. To replace grille assembly:
  - A. Drive original brads into baffle to prevent air leakage

- SCHEMATIC DIAGRAM -

B. Drive new brads into baffle through grille.

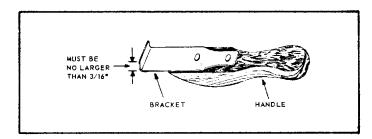
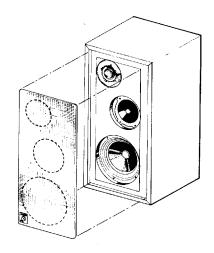


FIGURE A



The AS101W is a small component book-shelf, "air suspension". sealed speaker system incorporating a high compliance 10" bass driver, 4" high compliance closed back midrange and a 1" dome tweeter.

## ORANGE **15Ω** 25VNP **BLACK**

GREEN

**BLACK** 

RED

Nominal System Impedance Recommended Amplifier Power Minimum Power - small room - large room Frequency Response

PERFORMANCE:

System Resonance Enclosure Volume

2430 cu. in. 9kHz1.5kHz

8 ohms

55Hz

40W - IHF

10W - IHF

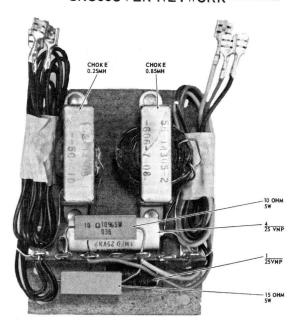
20W - IHF

 $40 - 20 \text{kHz} \pm 3 \text{db}$ 25 - 25kHz ±6db

Crossover Frequencies - Tweeter - Midrange

IMPORTANT: Always use genuine Sylvania replacement parts and tubes.

### - REPLACEMENT PART'S LIST -----



	SERVICE
DESCRIPTION	PART NO.
Cabinet - Grille Asm.	10-26197-2
- Nameplate Medallion	74-22924-2
- Trim (Bright Extrusion)	74-26207-3
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 PM	12-26245-1
- 4" PM	12-28066-1
- 10" PM	12-22110-1
- Crossover Capacitor - 1/25VNP	41-14304-1
- Crossover Capacitor - 4/25VNP	41-14304-11
- Crossover Choke25MH	56-14305-1
- Crossover Choke85MH	56-14305-2
- Crossover Resistor - 10 ohm, 5W	36-62454-25
- Crossover Resistor - 15 ohm, 5W	36-62454-29

## --- SPEAKER COMPLEMENT --

