

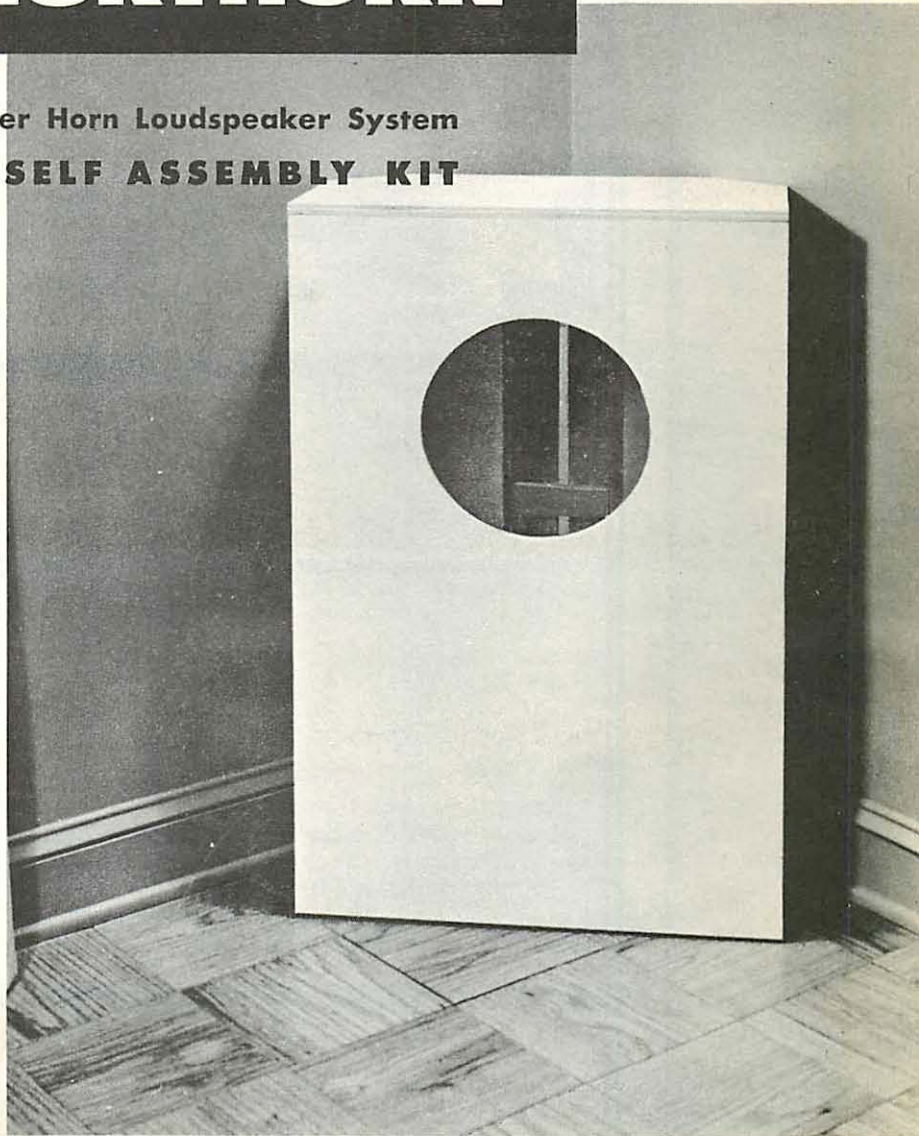
# KLIPSCH



**SHORTHORN**

**Model K-36 Corner Horn Loudspeaker System**

**DO-IT-YOURSELF ASSEMBLY KIT**



**INSTRUCTIONS FOR ASSEMBLY**

# FOLLOW THESE SIMPLE INSTRUCTIONS

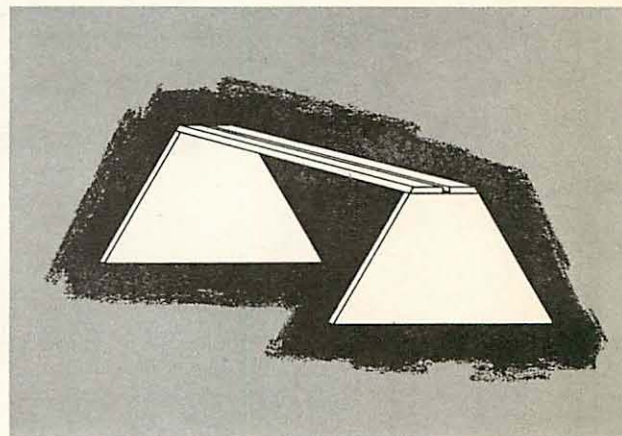


The Klipsch Shorthorn kit, when assembled according to instructions and equipped with recommended driver units, provides a loudspeaker system second only to the authentic Klipschorn sound reproducer.

Designed by the acoustics and electronics authority, Paul W. Klipsch, the Shorthorn loudspeaker incorporates corner horn back loading to achieve greatly extended bass range and employs coordinated acoustic elements, including filters, to provide smooth response, free from distortion.

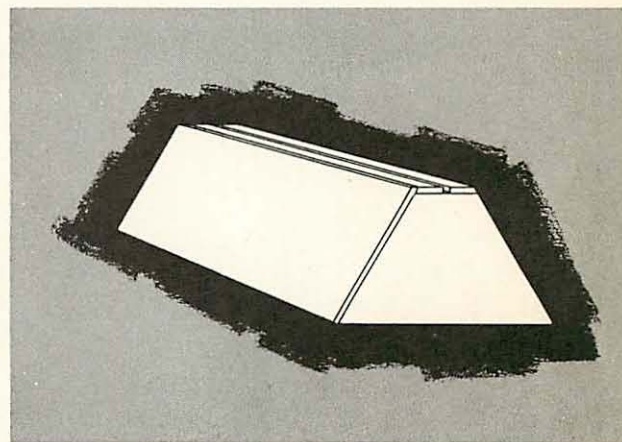
# 1

**FASTEN 3" STRIPS TO ENDS,** placing beveled edges of strips flush with edges of ends. This leaves slot between non-beveled edges of strips. Glue and nail with finishing nails.



# 2

**ATTACH SIDES TO ENDS.** Make sure the beveled front edges of sides are flush with ends. Glue and nail. Tack plastic screen over slot to keep out insects.



## LIST OF MATERIAL FURNISHED IN KIT:

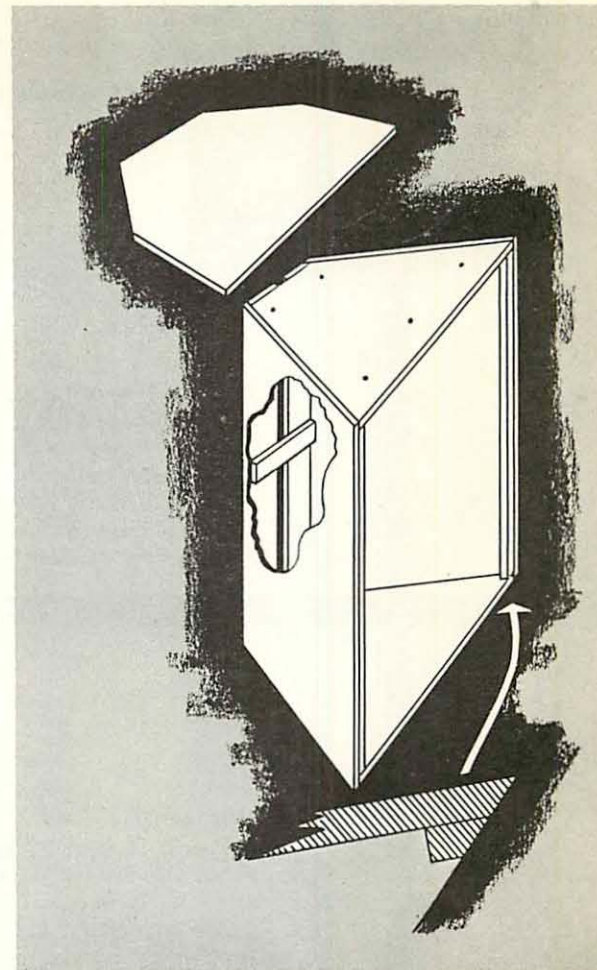
11 wood parts  
5 short No. 8 screws  
14 long No. 8 screws  
50 No. 4 finishing nails  
25 7/8" wire brads

10 feet sponge rubber weatherstrip  
Tube of weatherstrip cement  
Length of plastic screen  
3 furniture glides  
Assembly instructions

**RECOMMENDED GLUES** for assembling housing are Weldwood or Cascamite (ureaformaldehyde). Glue is not furnished with kit as the preferred types deteriorate with age in containers. A 5 oz. can is sufficient.

# 3

ADD THE 1" BEVELED STRIPS to inside front of the sides. Beveled edges should be flush with bevel of sides and ends. Glue and nail. Attach glue block across slot at rear as shown in drawing. Fit top to end which is drilled with screw holes, allowing an overhang of  $\frac{5}{8}$ " on front edge. After fitting, remove top for sanding and finishing. Then attach with the five short No. 8 screws. This should be done from inside of housing, using screw holes already drilled.



FIT SPEAKER UNITS TO FRONT PANEL and drill necessary bolt holes. Do not mount units until all sanding and finishing are completed.

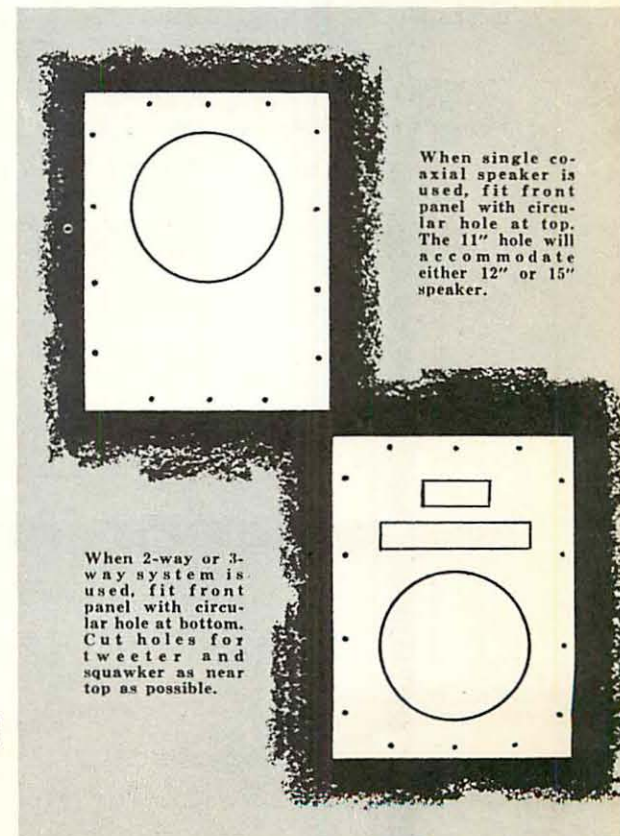
Make sure the gasket on the bass driver is sufficiently thick to prevent the cone from striking wood. Add extra gaskets if necessary.

Attach rubber weatherstrip to front edge of housing before installing front panel. Use special rubber cement included in kit.

In attaching front panel it may be necessary to skew the housing slightly to make all edges line up. Select a grill cloth of soft, open-mesh material to prevent rattling or flapping.

Where crossover elements are used, they may be mounted on inside of front panel.

# 4



When single coaxial speaker is used, fit front panel with circular hole at top. The 11" hole will accommodate either 12" or 15" speaker.

When 2-way or 3-way system is used, fit front panel with circular hole at bottom. Cut holes for tweeter and squawker as near top as possible.

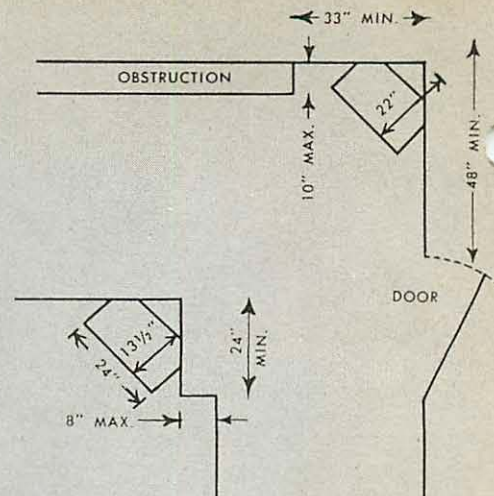


corner horn loudspeaker system

## HOW TO INSTALL

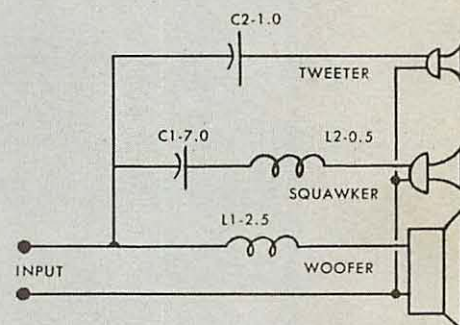
### PLACE IN BEST AVAILABLE CORNER

For best results, install your Shorthorn system in a corner which most nearly meets requirements shown in diagram. Recommended maximum and minimum spacing may be violated with resultant loss in performance, depending upon degree of violation. Overall dimensions of Shorthorn system are shown. Height is 36½".



### USE THE FINEST DRIVER UNITS YOU CAN AFFORD

While this horn was designed for co-axial drivers, it will give its best performance with separate 3-way drivers and excellent performance with separate 2-way drivers. In the diagram is shown a suggested crossover network for 3-way systems. This network has proved superior to more complicated and expensive networks. Inductors are available from Klipsch and Associates.



K 1000/6/5000 CROSSOVER NETWORK

### RECOMMENDED DRIVE UNITS

**Woofer:** Electro-Voice 12BW-1, 15W; Stephens 103LX, 105LX, 120LX, 16 ohms (10 to 14 ohms DC); University C15W, 2 or 8 ohms.

**Squawker: (Mid-range):** Electro-Voice T-10, T-25; Stephens 108, 216; University SA-HF, MA-25, etc., on Klipsch Shorthorn K-1000, Electro-Voice 8 HD; University 4409, etc.

**Tweeter:** University 4401, etc.

Among co-axials the University 6201 is attractively priced and suggested for the beginner assembling his first wide-range system. In addition to the above, other good combinations exist, and it is suggested that Klipsch and Associates be consulted regarding possible utilization of components already at hand.

## KLIPSCH & ASSOCIATES

HOPE, ARKANSAS

Telephones:

PRospect 7-3395

PRospect 7-4538

PRospect 7-5575

PRospect 7-5514

# KLIPSCH

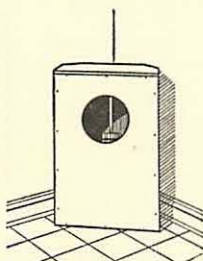


## SHORTHORN

### CORNER HORN SPEAKER SYSTEM

Trade Mark

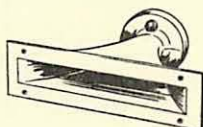
AUDIOPHILE  
NET PRICES



#### SHORTHORN MODEL K-36

Do-it-yourself assembly kit (shipping weight approx. 35 lbs.)  
Shorthorn, factory assembled, clear lacquered

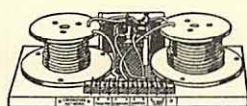
\$ 39.00  
59.00



#### SHORTHORN K-1000 MID-RANGE HORN

Exponential horn, 500 cycles taper rate,  
for 1000 cycles crossover, cast aluminum  
with threaded adapter (shipping weight approx. 4 lbs.)

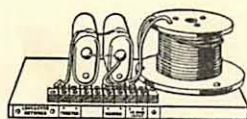
11.50



#### 3-WAY CROSSOVER NETWORK

K-1000/6/5000, complete, mounted and  
wired; crossover at 1000 and 5000 cycles  
(shipping weight approx. 8 lbs.)

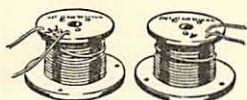
24.00



#### 2-WAY CROSSOVER NETWORK

K-1000/6, can be converted to 3-way system  
(shipping weight approx. 7 lbs.)

18.00



#### K-COILS FOR CROSSOVER NETWORK

0.5 and 2.5 Millihenry, with 18" leads and  
provisions for mounting (shipping weight approx. 3 lbs.)  
1 each 0.5 and 2.5 Millihenry for 3-way  
1 only 2.5 Millihenry for 2-way

10.00  
5.00

#### ORTHO 3-WAY DRIVE SYSTEMS

Complete with horns, drivers, and crossover network  
Ortho 15 (with 15" woofer)  
Ortho 12 (with 12" woofer)

150.00  
107.00

PRICES: F. O. B. Hope, Arkansas

Subject to change without notice

# KLIPSCH AND ASSOCIATES

HOPE, ARKANSAS

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