

H. L. Worden Co.

"Make a Lamp" System

W18-9 Tulip T

Cartoon Pattern Packet

Lamp Specifications

No. Glass Pieces: 900
 Glass Needed: 9.3 sq. ft.
 Diameter: 18"
 Height: 8"
 Aperture: 4"
 Design Repeats: 5



Needed to make this lamp

Pattern Packet No. W18-9*
 SectionalForm™ No. W18**
 Stained Glass
 4" Vase Cap***
 Lamp Base or Hanging Hardware to Swag

Additional Items Needed

Basic Supplies
 Basic Tools

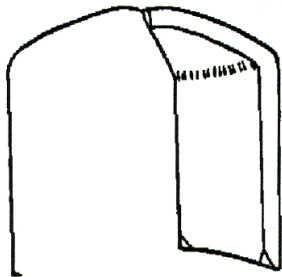
*No. W18-9 Pattern Packet

Includes:

1 Paper Pattern (black) Sheet
 1 MagicStrip™ (blue) Sheets
 1 Instructions
 1 Color Key w/ Glass Descriptions

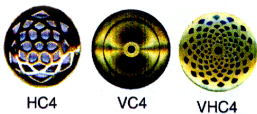
**No. W18 SectionalForm™

Sectional form embossed and numbered to accept glass placement guides (cartoon)



One Reusable SectionalForm™ is used to make this 5-repeat design

***4" Vase Cap



Need One 4" (10.2cm) Vase Cap Sold Separately

Lamp

Color Key



Color Key	Description	Glass Type	Sq. Ft.
G	Background	Pinkish Violet Opal	.75
W	Flower Petal	Red Cathedral	.5
P	Flower Petal	Orange Opal	1.25
L	Flower Petal	Yellow Opal	.75
T	Leaves	Green Yellow Opal	1.75
S	Leaves	Green Opal	1.5
K	Flower Stems	Grey Green Opal	.5
H	Soil	Brown Opal/Cathedral	1
B,M,U	Borders	Lt. Green	1.25

Paper Pattern
 MagicStrips™
 MADE IN USA

Sectional Form Construction Update

New easy time saving techniques that make lamp crafting more fun. To assure that the completed lamp is perfectly round and the form is not melted from solder flow through, follow the steps below. Refer to the manual.

- (1) Cover the form with parts - hold with pins.
- (2) Pull pins part way out, foil and **repin**.
- (3) Tack solder all parts together.
- (4) Flatten the solder tacks out and tin the exposed foil on the outside with a flat seam. - **DO NOT FILL OUTSIDE SEAMS ON FORM.**
- (5) **REMOVE** the glass sections as they are completed and store.

(6) **USE SOLDER LOOPS.** The discovery of solder loops to hold the sections until they are fastened together is so easy to do. You can adjust the glass sections by bending the sections slightly if necessary for a perfectly round fit before tack soldering together.

(7) The lamp is now ready to complete. Fill and build all the inside seams, then do the outside. By filling the inside first any solder flow through will be removed when building the outside seams. If you are making several lamps consider using **Worden Lamp Positioner** to build seams it works great.

Two Form Method

The two form method can be used to make any lamp that has more than one set of **MagicStrips™** or two sets of identical single form **MagicStrips™**. Purchase two blank forms of the same size and alternate the forms as outlined below. This method is really very easy to do once you understand how it works.

The two form method is the closest thing to working on a full form and still allow the **construction** of the lamp in sections. Make the same number of **SEPARATE GLASS SECTIONS** as you would in the single form method. The bridging glass pieces can be fitted in place and the leaded seams perfectly matched while the **GLASS SECTIONS ARE BEING MADE**; rather than after.

This unique Two Form Method can be used on any number of form repeats and with any number of design repeats, simply by alternating two forms from one side to the other. The instructions below explain how a three repeat design, on two, six repeat forms, is used to make a lamp using the Two Form Method.

Step (3) With the two forms fastened together; cut, grind, foil and pin glass pieces on both forms including the bridging pieces. **COVER AN AREA BETWEEN THE FORMS** at least three glass pieces wide on each form extending from the top to the bottom.

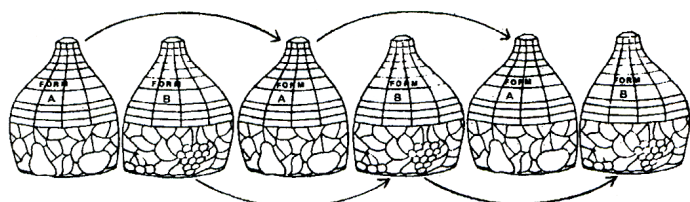
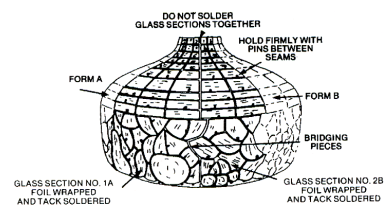
Step (4) Tack solder at least two rows of foiled glass pieces from top to bottom. **DO NOT SOLDER GLASS SECTIONS TOGETHER.** Bridging pieces will extend from one form to the other. If the glass sections are soldered together by mistake....remelt and separate.

Step (5) Now the forms can be separated. Finish the glass section, tack solder, build seams, attach wire solder assembly loops and clean. When completed, remove and label this glass section 1A. Remove the form; switch and fasten it to the other side. **DO NOT COMPLETE AND REMOVE BOTH GLASS SECTIONS AT THE SAME TIME. THE GLASS SECTION AND THE FORM ON THE RIGHT MUST BE MOVED TO THE LEFT TO FIT THE GLASS PIECES ON THAT SIDE TO THE OTHER GLASS SECTION.**

Step (6) Repeat steps 3, 4 and 5, only labeling the glass section on the left 2B. As each glass section is made by alternating the forms; label the next sections 3A, 4B and 5A. The sections will look the same, but for instance, section 3A fits **ONLY** to the left of 4B and at the same time fits **ONLY** to the right of 2B.

Step (7) When it's time to make glass section 6B; you must re-pin glass section 1A to the form and match it up on the right side. Now glass section 6B can be constructed, since the alternating of the forms and the six separate glass sections are completed: glass sections 6B and 1A may be tack soldered together while on the forms.

Step (8) When all glass sections are made and removed from the forms, use assembly loops and finish the lamp as in step(9) of the single form method.

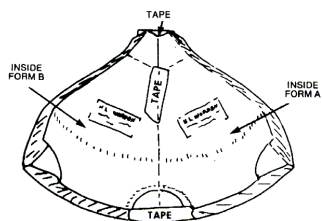


Forms A and B have two different designs on them. Both are repeated three times.

TO BEGIN...(PLEASE READ all the directions first)

Step (1) Follow the directions for placing **MagicStrips™** on the form. You will be covering two forms with strips.

Step (2) Temporarily attach the two forms together with tape Don't use glue. Forms must be taken apart and alternated from one side to the other after each glass section is completed. Sideboards are not used in this method.



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