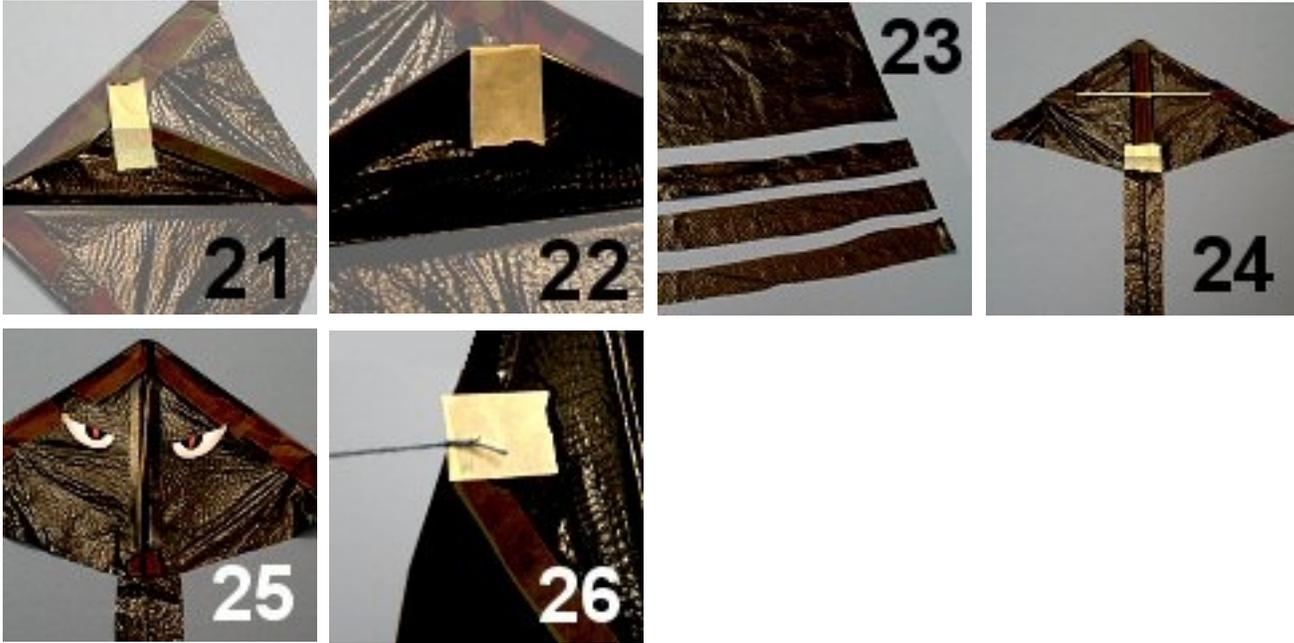


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THE DELTA KITE Assembly Instructions Page 2.



WHAT YOU'LL NEED: Scissors, Scotch tape (or a similar lightweight tape), a ruler (or other straightedge), a needle, a toothpick, string (any lightweight string will do), a large plastic bag (black 39 gallon lawn bags are ideal and will make several kites) and four bamboo skewers (kabob sticks). The bamboo skewers should be available at your local grocery store. They usually come in a bag of 100.

Note: The illustrations will show masking tape for clarity, but Scotch tape (or a similar lightweight tape) should be used.

ASSEMBLY: We'll begin by cutting out Pattern Part A on Parts Page 1. Don't separate the two panels, just cut along the outer black lines. Now cut out Pattern Part B on Parts Page 2. Don't separate the wing from the flap, just cut along the outer black lines. Part 2 has a panel with two dots. Place that panel directly over the matching panel on Part 1 and tape the two parts together, forming a pattern like the one shown in Figure 1.

Unfold the plastic bag and lay it flat but don't open the bag (we'll want to cut two layers of plastic at the same time). The pattern has one edge marked with a green arrow. Line this edge up with the bottom of the bag as shown in figure 2. If there's a seam at the bottom of the bag, place the edge of the pattern directly above the seam. Hold the pattern in place with your hand and carefully cut around the pattern. Do NOT separate the two sides of the cut plastic yet.

Remove the pattern from the plastic, fold the keel UPWARD and then place the pattern back over the plastic as shown in Figure 3. Place a ruler along the folded edge of the pattern as shown in Figure 4. Being careful NOT to move the ruler, separate the two layers of plastic on the end farthest from the ruler. Fold the upper layer of plastic back over the ruler as shown in Figure 5.

Select four bamboo skewers. Be sure they're as straight as possible, don't use curved or crooked ones). Cut three of the skewers to a length of 9 INCHES and then cut the last skewer to a length of 8 AND A HALF INCHES.

Place the 8 AND A HALF INCH skewer along the fold in the plastic as shown in Figure 6. Carefully remove the ruler and then tape the skewer securely to the plastic from top to bottom as shown in Figure 7.

Turn the kite over. Your kite should now have two wings and a keel in the center. We'll refer to this side as the FRONT of the kite. Fold the keel to the LEFT. Use the pattern to identify the inside edge of the flap. Place a 9 INCH skewer on the right-side plastic wing along this line, as shown in Figure 8.

Fold the plastic flap over the skewer and tape the flap down, as shown in Figure 9 (start with taping the center and then tape the top and bottom). Now fold the keel to the RIGHT and add a 9 INCH skewer to the left wing, connecting it in the same manner.

(Continued on next page)

THE DELTA KITE Assembly Instructions Page 3.

Turn the kite over. Place a 9 INCH skewer on the BACK of the kite, at right angles to the center skewer, as shown in Figure 10. This final skewer (which we'll call the 'spreader') should be about 4 inches from the top of the kite. Roll the spreader upwards until it touches both wing skewers. Place tape over both ends of the skewer, as shown in Figure 11. Fold the extra tape over and attach it to the FRONT of the kite. (Note: The spreader does NOT attach to the center skewer.)

Place a piece of tape to the BACK of the kite, across the top as shown in Figure 12. Turn the kite over and attach the extra tape to the FRONT of the kite as shown in Figure 13. This will keep the skewers from coming out the top.

Place a piece of tape on the BACK of the kite, extending from the bottom as shown in Figure 14. Turn the kite over and cut the extra tape in the center as shown in Figure 15. Then attach the tape to the FRONT of the kite on either side of the keel, as shown in Figure 16. This will help prevent the plastic from tearing away from the center skewer.

Place a piece of tape on the BACK of both wing tips as shown in Figure 17, lining up the tape with the outer edge of the kite as shown. Turn the kite over and attach the extra tape to the FRONT of each wing, as shown in Figure 18. Turn the kite back over and attach any remaining tape to the BACK of each wing. This will prevent the wing skewers from falling out.

The wings are now finished so we'll work on the keel. Place tape along the lower edge of the keel as shown in Figure 19. Fold the tape over and attach it to the opposite side of the keel as shown in Figure 20, to prevent the two layers of plastic from separating when flying the kite.

Place a piece of tape about 2 INCHES long on the front of the keel, as shown in Figure 21. Fold the tape over and attach it to the opposite side as shown in Figure 22. This piece of tape will strengthen the plastic around the hole we'll be making for the string.

Next we'll add a tail to the kite. The finished tail should have three strips (each with two layers of plastic) about 30 inches long and 1.5 to 2 inches wide. Cut off the bottom portion of the unopened plastic bag and then cut from side to side to make three or more strips as shown in Figure 23. Place tape on the end of one of the tail strips and attach it to the BACK of the kite, at the bottom, as shown in Figure 24 (using several pieces of tape so it's very secure). Place tape on the end of a second tail strip and attach it directly over the first tail strip. Then place tape on the end of the third tail strip and attach it directly over the second tail strip.

Now we'll add eyes to give the kite some character! Cut out the two eyes on Parts Page 1. Place clear tape over the top edge of each eye and attach it to the FRONT of the kite as shown in Figure 25.

The final step is to add some string. Begin by locating the purple dot on the keel pattern. At the corresponding location on the plastic keel, punch a hole with the needle. Now enlarge the hole by pushing the toothpick through it. Enlarge the hole further by running an extra bamboo skewer through it. You should now be able to fit your string through the hole. (If the hole's still too small, you can continue enlarging the hole with the tip of a pencil or pen until the hole is large enough.)

To get the string through the hole, try wrapping the string around the tip of a skewer once or twice and then running the skewer through the hole. After running the string through the hole, tie a knot in the end of the string and then tie the string securely to the kite, as shown in Figure 26.

Your Delta Kite is now complete and ready to fly!

Flying Tips:

This kite flies best in a gentle breeze.

The kite is designed to swoop and soar, so controlling it may take a little practice.

If the kite only flies in a circle, try adding weight to the tail.

If the kite won't fly very high, try making the tail lighter.

If the wind is too strong, this kite will probably only fly in a tight circle.

This is a reasonably durable kite but strong enough winds may tear it.

(And don't worry if it gets destroyed, you can always make another.)