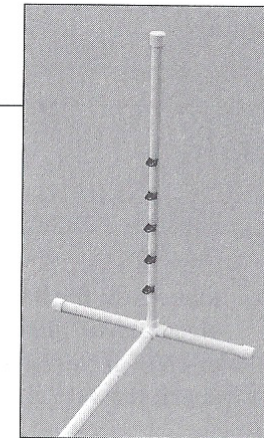


Nonwinged jump—design #2



these plans are for another style of nonwinged jump. The design is essentially the same as in the previous set of plans, but this jump is easier to make thanks to furniture-grade PVC 4-way fittings. However, because of the special parts, this jump also costs slightly more to make (about \$15, not including jump cups).

NOTE: This is a great jump to make from colored PVC. Just substitute 1 1/4" PVC pipe and fittings from one of the suppliers of colored PVC in the "Resource Guide" for the 1" pipe and parts called for in the materials list.

Materials Needed

- 2 - 10' lengths 1" schedule 40 PVC
- 2 - 1" PVC 4-way tee

NOTE: The 4-way tees are a special part not found in home centers or plumbing supply stores. They must be ordered from one of the vendors listed in the "Resource Guide" at the beginning of this book under "Furniture-Grade PVC Pipe and Parts." When you're shopping, be aware that while this fitting is usually called a 4-way tee, several vendors refer to it as a 4-way ell or even a 4-way TL. Just make sure it looks like the fittings shown here!

- 6 - 1" PVC end caps
- PVC cement
- Jump cups and bars as described below

Jump Cups and Bars

- You will need two jump cups for each jump height. Purchase jump cups from one of the sources listed at the beginning of the book or make your own following the steps on page 23.
- You will also need to make two 48" jump bars (see page 22). Because of the design of this particular jump, the bars cannot be longer or shorter than 48".

Tools Needed

- Hacksaw, Dremel tool with heavy-duty cutting wheel, or PVC pipe cutter
- Carpenter's ruler or tape measure
- Pencil or marker

Directions

1. Cut the following pieces from the 1" PVC:
 - 2 - 36" long
 - 4 - 18" long
 - 1 - 49" long
2. Glue together the PVC pipe and parts for each side of the jump (called a jump standard) as shown in Figure 1.
3. Connect the left and right jump standards by inserting the 49" piece of pipe into the open end of the 4-way tee on each one.

NOTE: Do *not* glue the 49" piece in place. This piece of pipe rests on the ground and acts as a spacer to keep the jump standards at the right alignment so that bars will fit perfectly.

4. Attach jump cups to each jump standard. If you need help refer to the instructions for "Mounting the Cups" on page 21.

5. Place the jump on a flat surface and set your 48" long jump bars in the cups.
6. Make sure the bars are easily displaceable. If they are too tight, replace the 49" pipe between the jump standards with a longer piece of PVC. If the bars are too loose, cut a bit off the spacer piece and check the bars again.

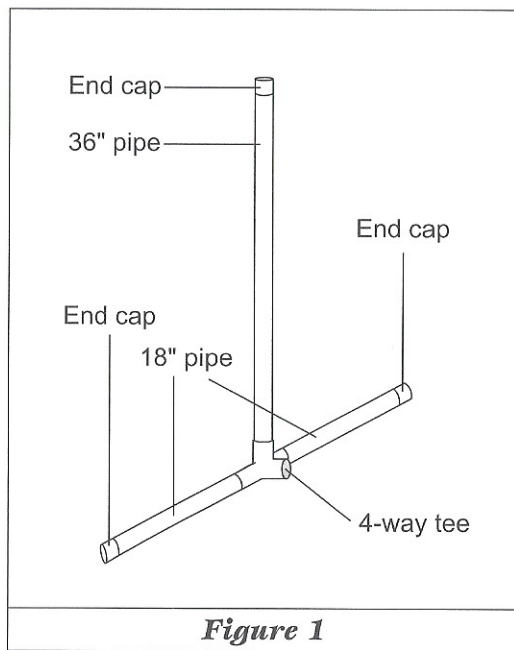


Figure 1