

Adding a Switch with Multiple Tracks

Although it's not very difficult to use a merge piece to make more than one track join together, it's a bit trickier to have one starting point and get the marbles to take different paths. One way to do that is to use a switch with a merge piece. Marbles going through the switch will alternate between the merge's two possible paths.

1. Cut along the switch's solid lines. (fig. 96) Don't forget to cut the small straight lines that cut into the switch. (fig. 97)
2. Trace along all eight dotted lines. (fig. 98)

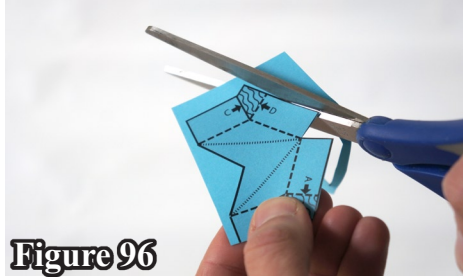


Figure 96

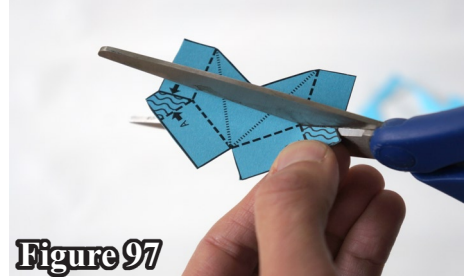


Figure 97

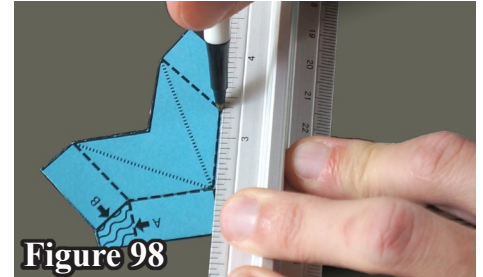


Figure 98

3. Fold down and then unfold along the two dotted lines that have small dashes. (fig. 99)
4. Fold up and then unfold along the dotted lines with long dashes. (fig. 100)
5. Fold up the two rectangular tabs labeled "A" and "B." The tips of the two arrows on the tabs should meet and the tab with the wavy pattern should be hidden behind tab "B." (fig. 101)

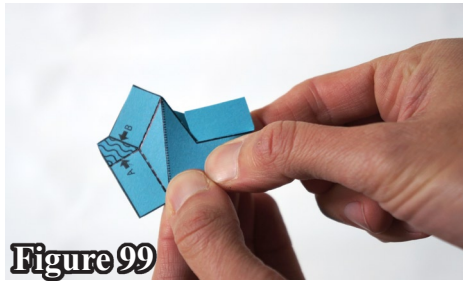


Figure 99

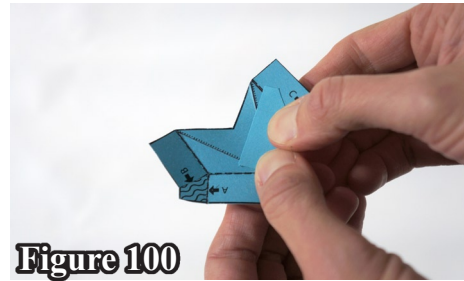


Figure 100



Figure 101

6. Tape the wavy tab to the back of tab "B" with a small piece of tape. (fig. 102)
7. Fold up the two rectangular tabs labeled "C" and "D." The tips of the two arrows on the tabs should meet and the tab with the wavy pattern should be hidden behind tab "C." (fig. 103)
8. Tape the wavy tab to the back of tab "C" with a small piece of tape. (fig. 104)

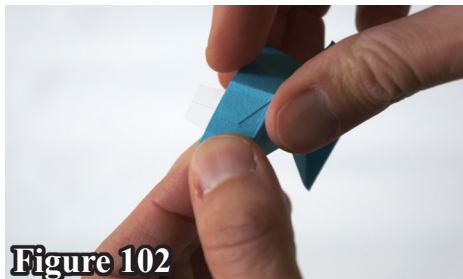


Figure 102



Figure 103

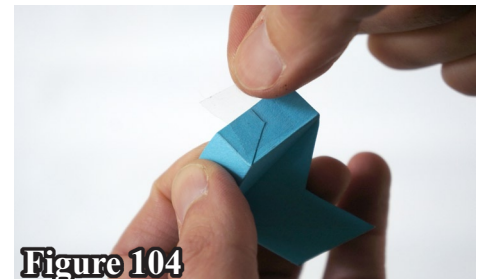


Figure 104

9. Bring tabs "A" and "D" together so they are back to back with each other. Place a small piece of tape along the top edge of tab "A" and then fold the tape over onto tab "D." (fig. 105)
10. Tape the back of tabs "B" and "C" to the underside of the switch. (fig. 106)
11. The switch should fit nicely into a completed merge section. (fig. 107)



Figure 105



Figure 106

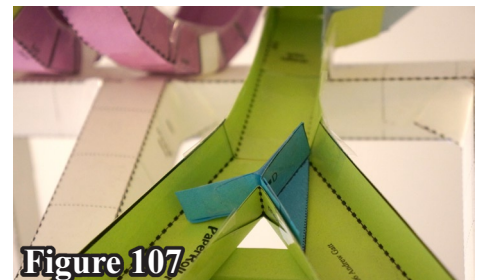


Figure 107