

Lucky Clover



Purchased from Bits And Pieces, 2008.

(4 metal pieces, 2.5 inches square by 1/2 inch thick, with two page solution sheet)

PUZZLE MAKERS INTERNATIONAL

Lucky Clover
87- 6700
Design by M. Oskar van Deventer

Disassembling solution

Instructions
(A good help: mark the rings as indicated in figure 1)
Lucky Clover is a mechanical puzzle which has four identical pieces. The pieces are marked ①, ②, ③ and ④ (fig. 1) to clarify the solution.




figure 1

In order to solve Lucky Clover, it is important to understand that each pair of rings can fit each other in two ways:
into (and out) and through (in both directions)

Figure 2 shows how ring ④ is moved into the ring ①.




figure 2

Figures 3 and 4 show two methods to move the ring ③ through the ring ②. The position of the ring is very important. Also take care of the thick and thin part of each ring.

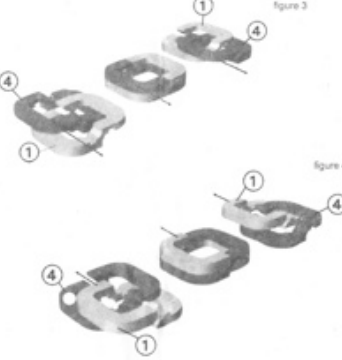


figure 3
figure 4

The basic "trick" to assemble the pieces of the Lucky Clover puzzle is that you first move all six pairs (*) rings into each other and nest through each other. For disassembling is the reverse!

(*) The pairs are 2,3; 1,2; 1,3; 4,2; 4,3 and 4,1.

The disassembling solution, step by step.
All drawings should be read from right to left.




figure 5

You'll discover that this shape is quite... stable.

Step 1
Lift ring ④ and ① and you have a big tangle of 4 rings now.

Again you have a big tangle of 4 rings.

Maneuver all the rings in such way that the ring ③ opposes the ring ② and the ring ④ opposes the ring ①, as in figure 8, right position.

Step 6
Move ring ③ downwards through the ring ② (using method of figure 3).

Step 7
Move ring ④ from right to left through the ring ② (using method of figure 3).

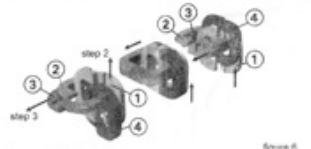


figure 6

Again you have a big tangle of 4 rings.

Maneuver all the rings in such way that the ring ③ opposes the ring ② (both horizontally) and the ring ④ opposes the ring ① (both vertically), as in figure 7, right position.

Step 4
Move ring ④ upwards through the ring ② (using method of figure 3).

Step 5
Move ring ③ from left to right through the ring ② (using method of figure 3).

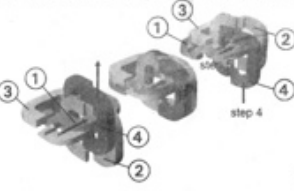



figure 7

Now all the rings are still into each other and you have a big tangle of 4 rings.

Step 8 Move ring ④ out of ring ②
Step 9 Move ring ③ out of ring ②
Step 10 Move ring ④ out of ring ①
Step 11 Move ring ③ out of ring ①
Step 12 Move ring ② out of ring ④
Step 13 Move ring ① out of ring ④

Now all the pieces are separated, like below.



Assembling
Follow all the steps in reverse direction.
Don't forget to reverse the arrows in the drawings and read the drawings from left to right.

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