

## Parts

- 4 legs (white)
- 2 halves of playfield (white)
- 2 side rails (white)
- 1 playfield support rod (red)
- 1 motor cap (red)
- 1 turbine (red)
- 1 turbine base plate (red)
- 2 base plate support rods (white)
- 1 snap ring (red)
- 1 air chamber (cardboard)
- clear sticker tape

## You'll Need

- Regular or masking tape (3/4" [19 mm] wide)
- Two AA batteries
- Small Phillips screwdriver

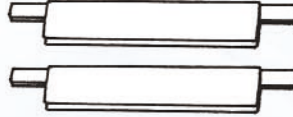
## Before You Begin

1. Hold the turbine with the fan pointing toward the floor. Using your finger, flick the fan to make sure it spins freely. If it drags, gently pull the fan a tiny bit away from the housing, so it does not touch.

## Assembly Instructions



Clear sticker tape



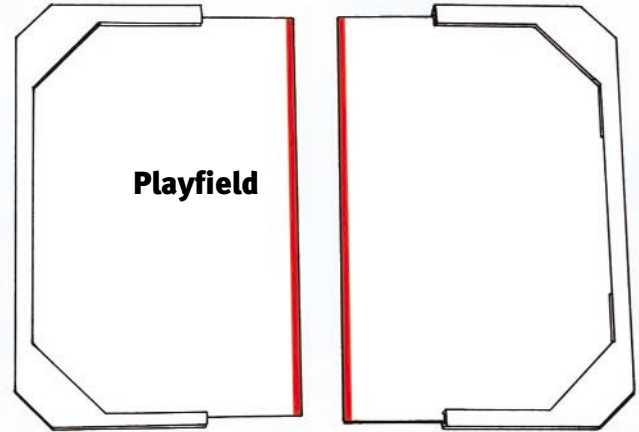
Side rails



Legs



Turbine base plate



Playfield

Playfield support rod



Snap ring



Base plate support rods



Motor cap



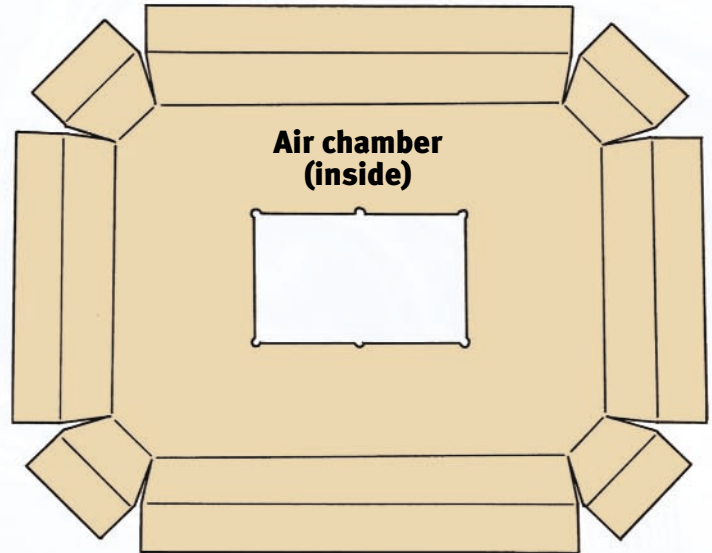
Turbine



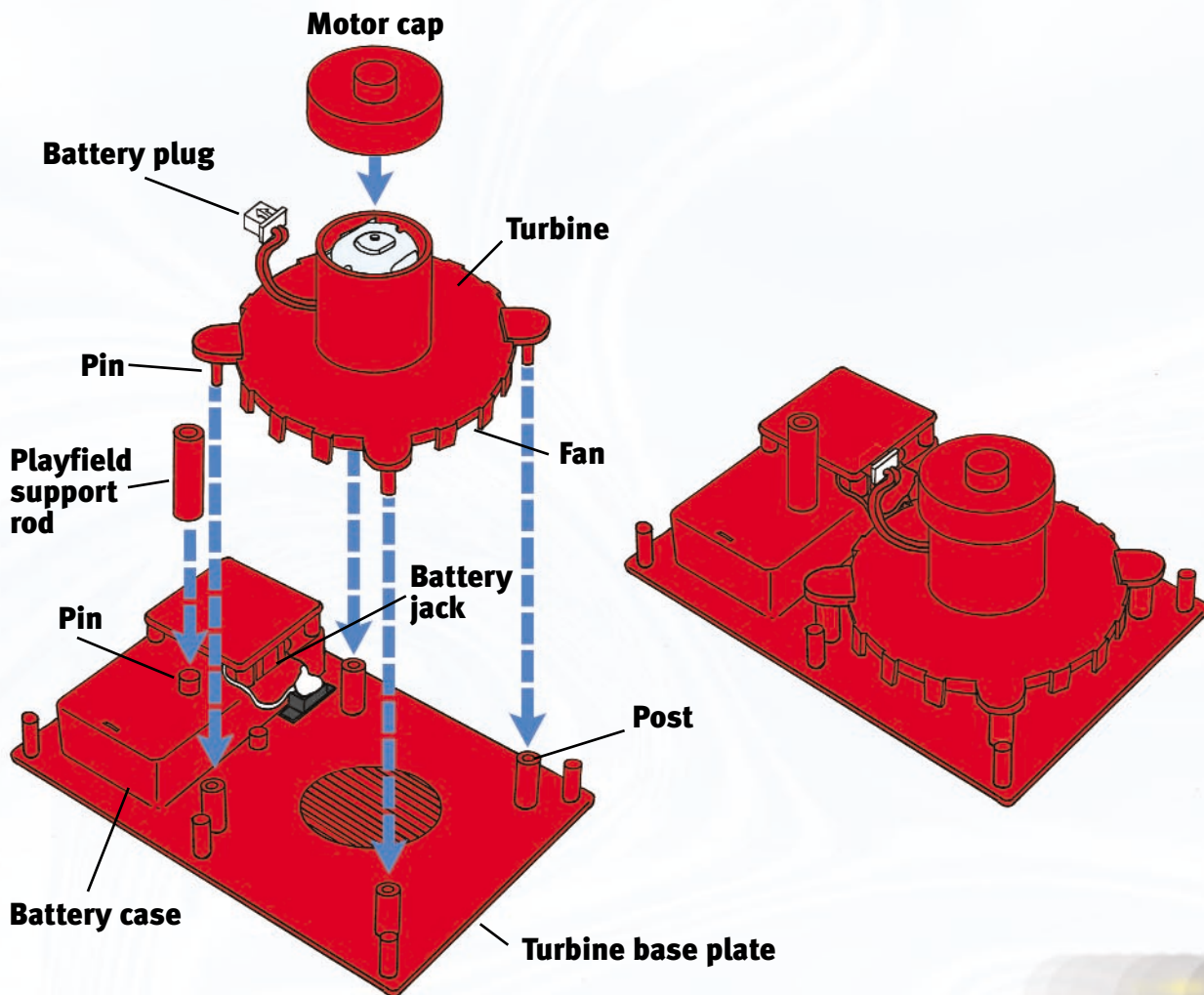
Puck



Paddles



Air chamber (inside)



## Assembling the Turbine

1. Place the motor cap on the motor.
2. Position the four pins on the turbine over the four posts on the base plate. Gently press each pin into a post.
3. Find the battery plug on the motor. Insert the plug into the battery jack on the base plate (it only fits one way).
4. Find the playfield support rod. One end has a hole that is smaller than the other. Place the end with the smaller hole over the pin on the battery case. Push the rod all the way onto the pin.

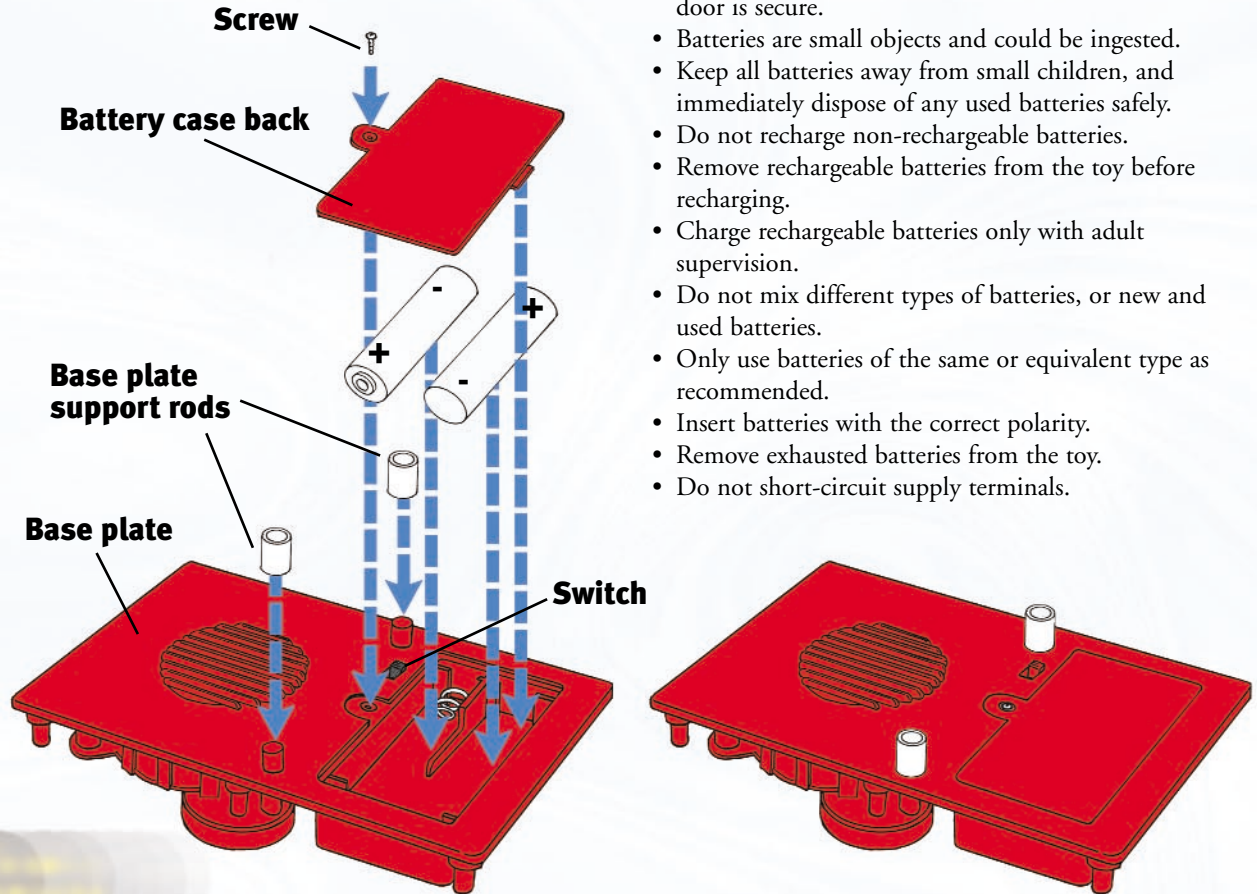
## Testing the fan

1. Turn the turbine assembly over and remove the screw from the battery case. Insert two AA batteries into the case. Follow the diagram inside the battery case. Screw the back onto the case.

2. Keeping your fingers and all objects away from the fan, move the switch to the “on” position. If the fan does not work, check that the plug is pushed in all the way and that the batteries are fresh and are inserted with the correct polarity.

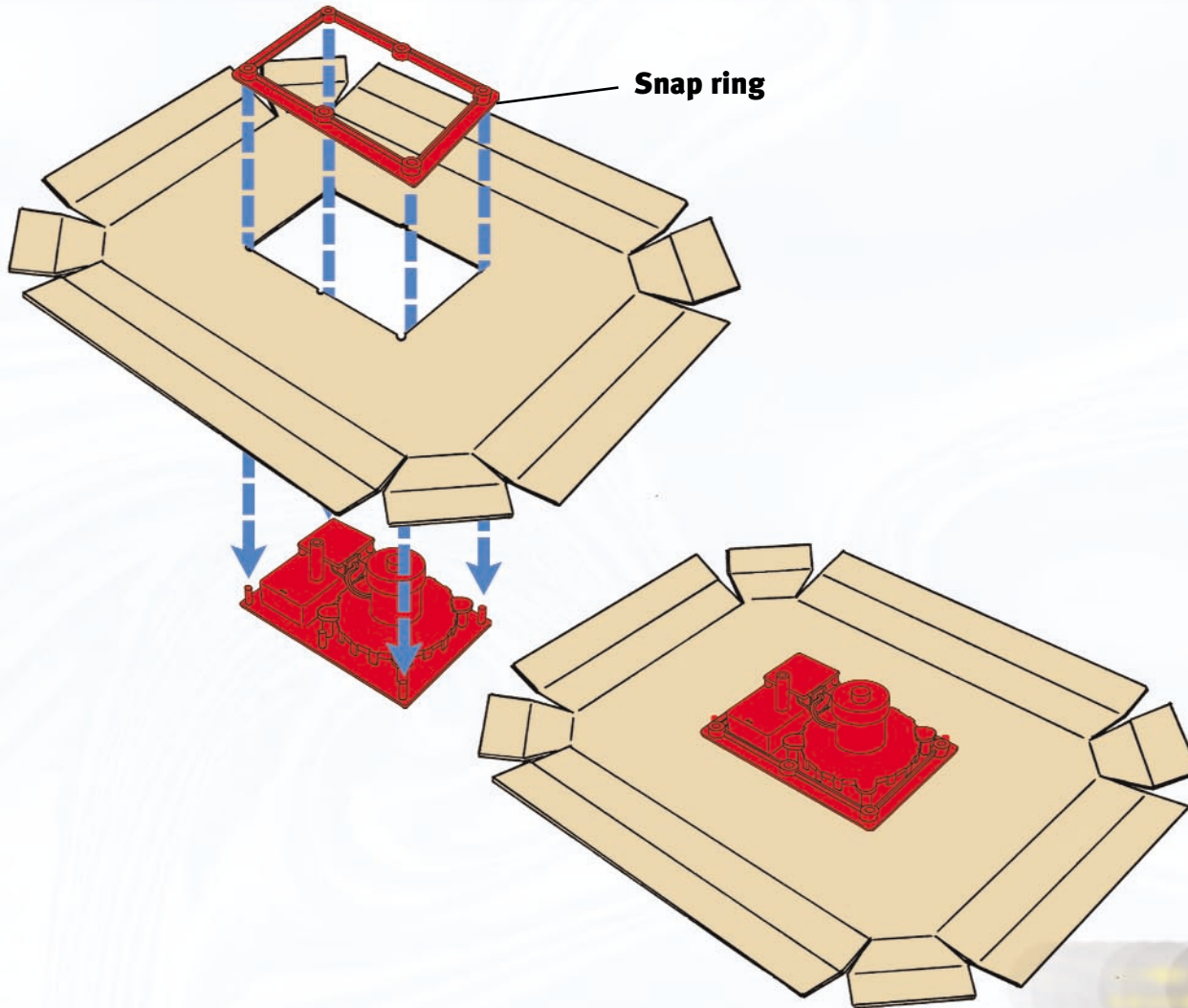
3. Turn off the fan.

4. Place the narrow ends of the two base plate support rods over the pins on the base plate.



## Caution

- To ensure proper safety and operation, the battery replacement must always be done by an adult.
- Never let a child use this product unless the battery door is secure.
- Batteries are small objects and could be ingested.
- Keep all batteries away from small children, and immediately dispose of any used batteries safely.
- Do not recharge non-rechargeable batteries.
- Remove rechargeable batteries from the toy before recharging.
- Charge rechargeable batteries only with adult supervision.
- Do not mix different types of batteries, or new and used batteries.
- Only use batteries of the same or equivalent type as recommended.
- Insert batteries with the correct polarity.
- Remove exhausted batteries from the toy.
- Do not short-circuit supply terminals.



**Snap ring**

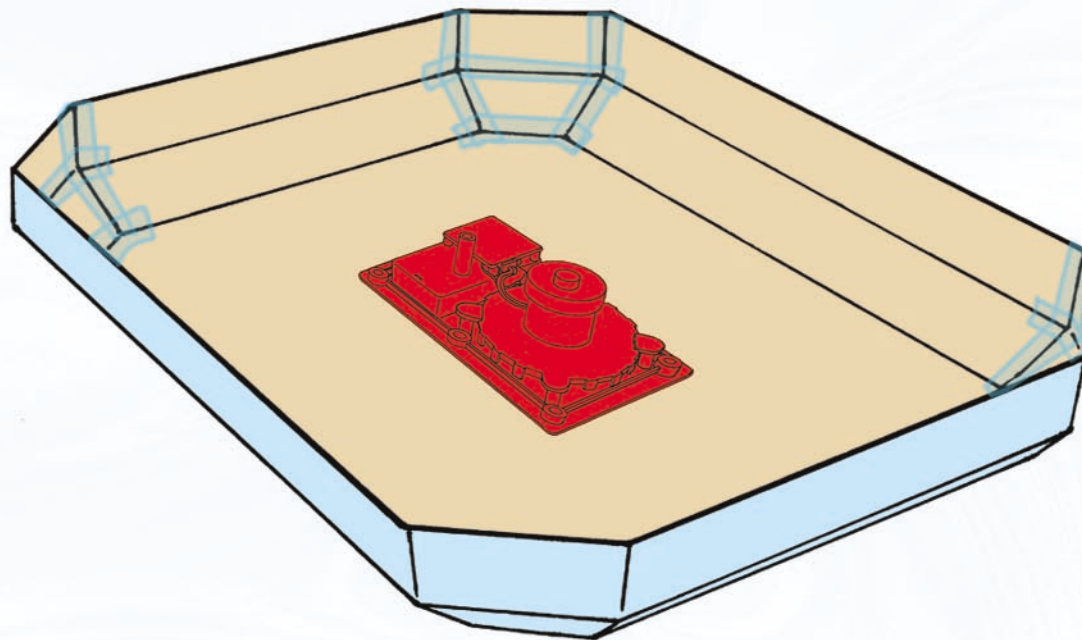
## The Air Chamber

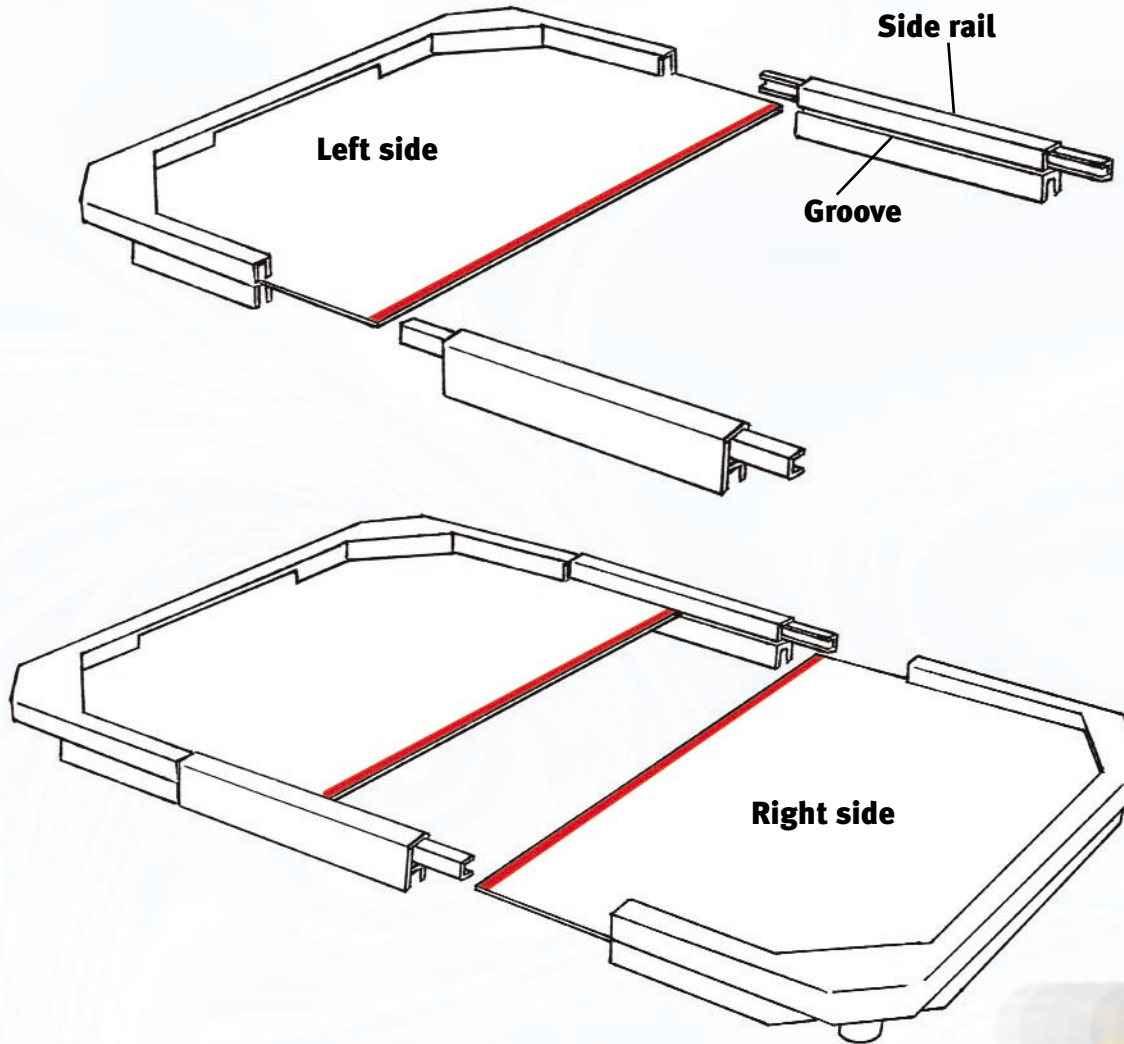
1. Unfold the air chamber and place it, plain side up, over the turbine assembly. The six notches in the air chamber will match the pins on the base plate.
2. Find the snap ring. With the smooth, flat side of the snap ring facing **DOWN**, place the snap ring over the six pins on the base plate. Pushing from the other side, press each pin securely through the holes on the snap ring to get a snug, airtight fit.

## Taping the Air Chamber

1. Now, make the chamber airtight by taping the corners. To do this, find your masking or regular tape. Fold the sides of the air chamber toward the turbine assembly.

2. Place tape on the inside of each of the eight corner seams. Match up the sides of the seams. Use as much tape as you need.





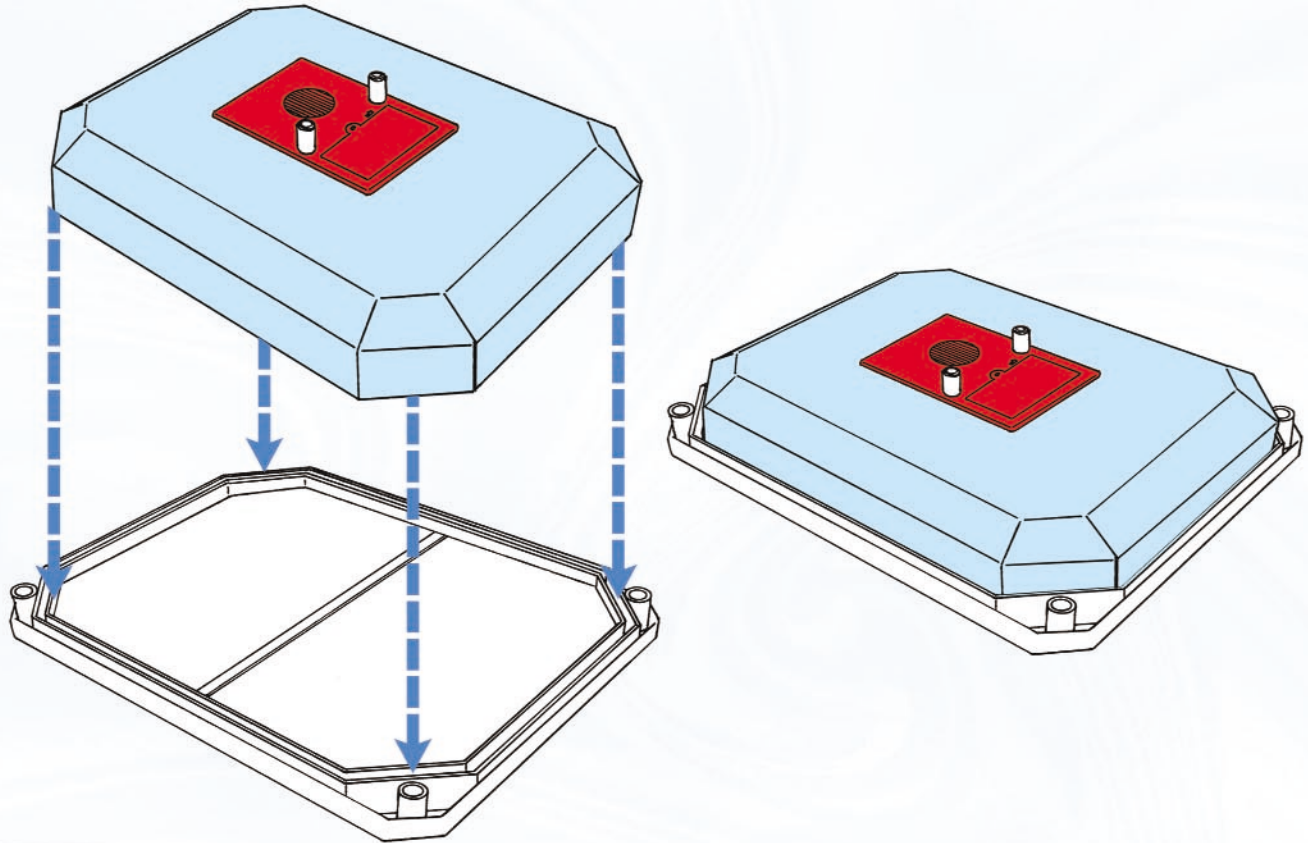
## The Playfield

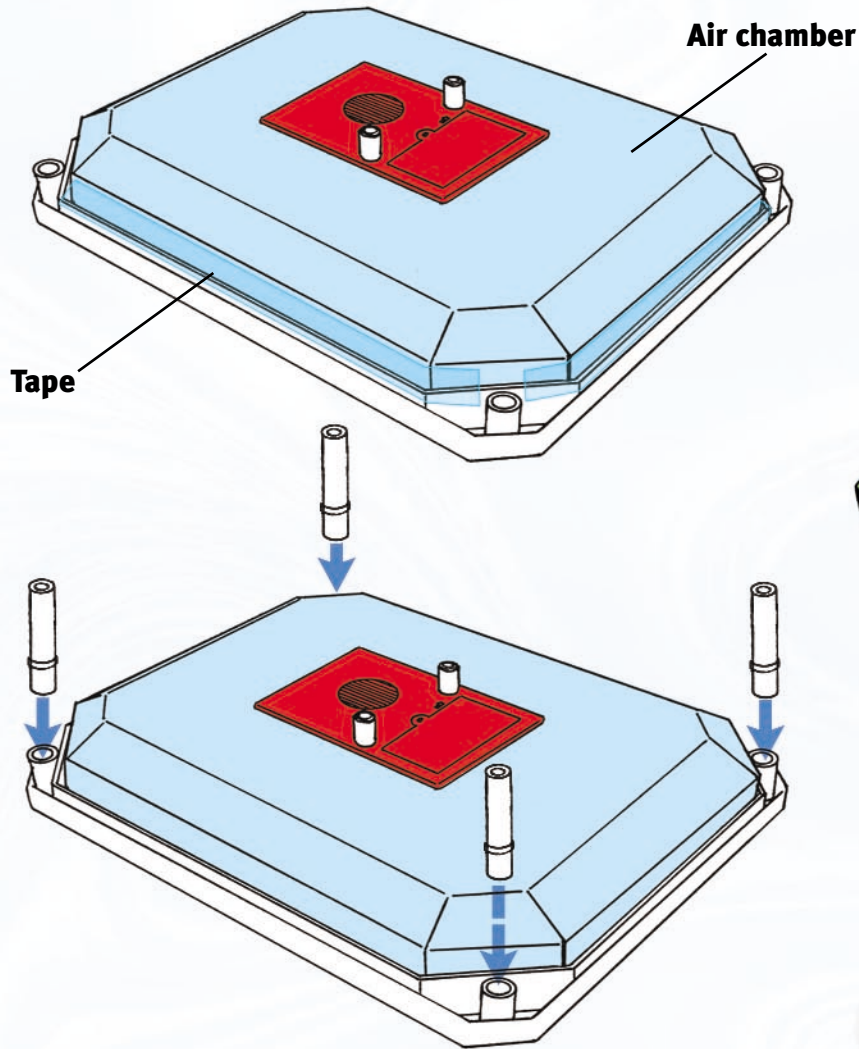
1. Hold the playfield so the red line is on the top.
2. Hold one side rail so the groove is facing the playfield and the longer pieces are on the top.
3. Slide the playfield edge into the groove on the side rail.
4. Push the long piece on the side rail all the way into the rail on the playfield.
5. Repeat on the other side.
6. When both side rails are in place, line up the other half of the playfield with the grooves on the side rails. Slide the two halves of the playfield together.

## Attaching the Air Chamber to the Playfield

1. Turn the assembled playfield over and lay it on a flat surface.
2. Position the air chamber, upside down, over the playfield.
3. Carefully press the sides of the air chamber into the slots along the edge of the playfield.

**BE PATIENT!  
THIS IS THE MOST DIFFICULT  
PART OF THE ASSEMBLY!  
WHEN ALL THE EDGES ARE IN  
PLACE, PRESS DOWN FIRMLY.**





## Taping the Air Chamber to the Playfield

NOTE: Use the clear sticker tape provided in your kit. When you tape, you want to cover part of the plastic on the side of the playfield and part of the cardboard. This will seal the air chamber.

**HINT:**  
IT MIGHT HELP TO HAVE SOMEONE HOLD THE AIR CHAMBER IN PLACE WHILE YOU TAPE THE SIDES.



1. While gently pressing the chamber into the slot, place a strip of clear sticker tape along each side. Make sure the tape fits snugly.

## Legs

1. Insert the four legs into the posts on the playfield.
2. Turn over the assembled air hockey table.

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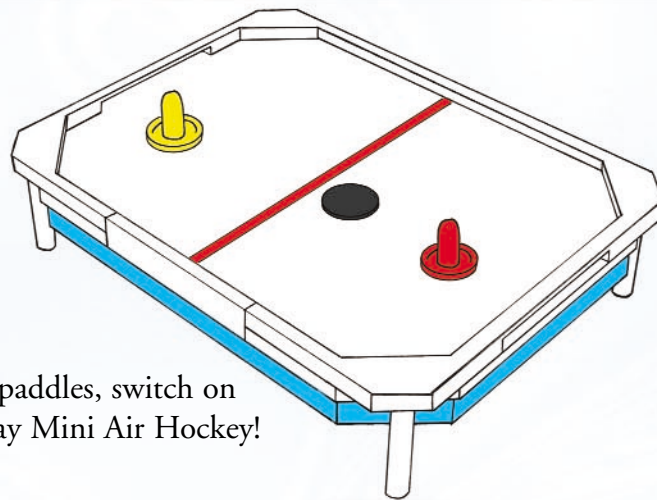
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*Air Hockey Science* is part of the *Mini Air Hockey* kit.  
Not to be sold separately.

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### You're done!

Grab your puck and paddles, switch on the motor, and go play Mini Air Hockey!



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