

**Table-Tennis-Tables.co.uk**  
**TABLE TENNIS ROBOT**  
**INSTRUCTION MANUAL**

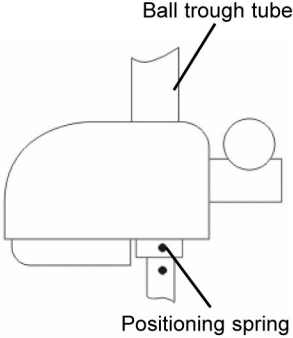
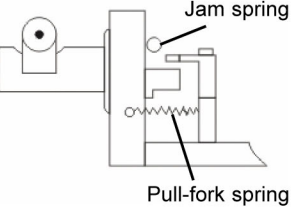
**PP30**

**Standard T/T table applicable**  
**Children-size table applicable**



**Please read this manual before operation**

# Trouble shooting

Failure	Cause	Solution	Remarks
Machine doesn't work	<ul style="list-style-type: none"> <li>The plug and socket are not properly connected</li> <li>The control box and panel box are not properly connected</li> <li>The key on the control box is not pressed</li> <li>The control box does not work due to excessive shaking</li> </ul>	<ul style="list-style-type: none"> <li>Check the electric socket</li> <li>Check that the connection plug is inserted into panel box</li> <li>Press the switch until the number displays</li> <li>Replace the control box</li> </ul>	 <p>Ball trough tube</p> <p>Positioning spring</p> <p>(Figure 1)</p>
Machine works, but does not release the balls	<ul style="list-style-type: none"> <li>The poke bar in ball container is lax</li> <li>The ball duct is jammed by foreign objects</li> </ul>	<ul style="list-style-type: none"> <li>Fasten the poke bar</li> <li>Clear away the foreign objects (Figure 1)</li> </ul>	
Speed and frequency cannot be adjusted	<ul style="list-style-type: none"> <li>The parts in the control box do not work temporarily</li> <li>The cable connecting to the motor is loose</li> </ul>	<ul style="list-style-type: none"> <li>Start up again after shut-off for 5 seconds</li> <li>Connect it using the original method</li> </ul>	 <p>Jam spring</p> <p>Pull-fork spring</p> <p>(Figure 2)</p>
It cannot be adjusted to single-point practice or two-point practice	<ul style="list-style-type: none"> <li>The positioning spring does not work after a long period</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the positioning spring properly, or replace it (Figure 1)</li> </ul>	
Balls are projected two at a time	<ul style="list-style-type: none"> <li>Jam spring is broken</li> <li>The spring for the pull-fork is elongated due to fatigue</li> </ul>	<ul style="list-style-type: none"> <li>Replace the spring</li> <li>Replace the pull-fork spring (Figure 2)</li> </ul>	

The company has the right to amend the description of products in this manual without any notice in advance.

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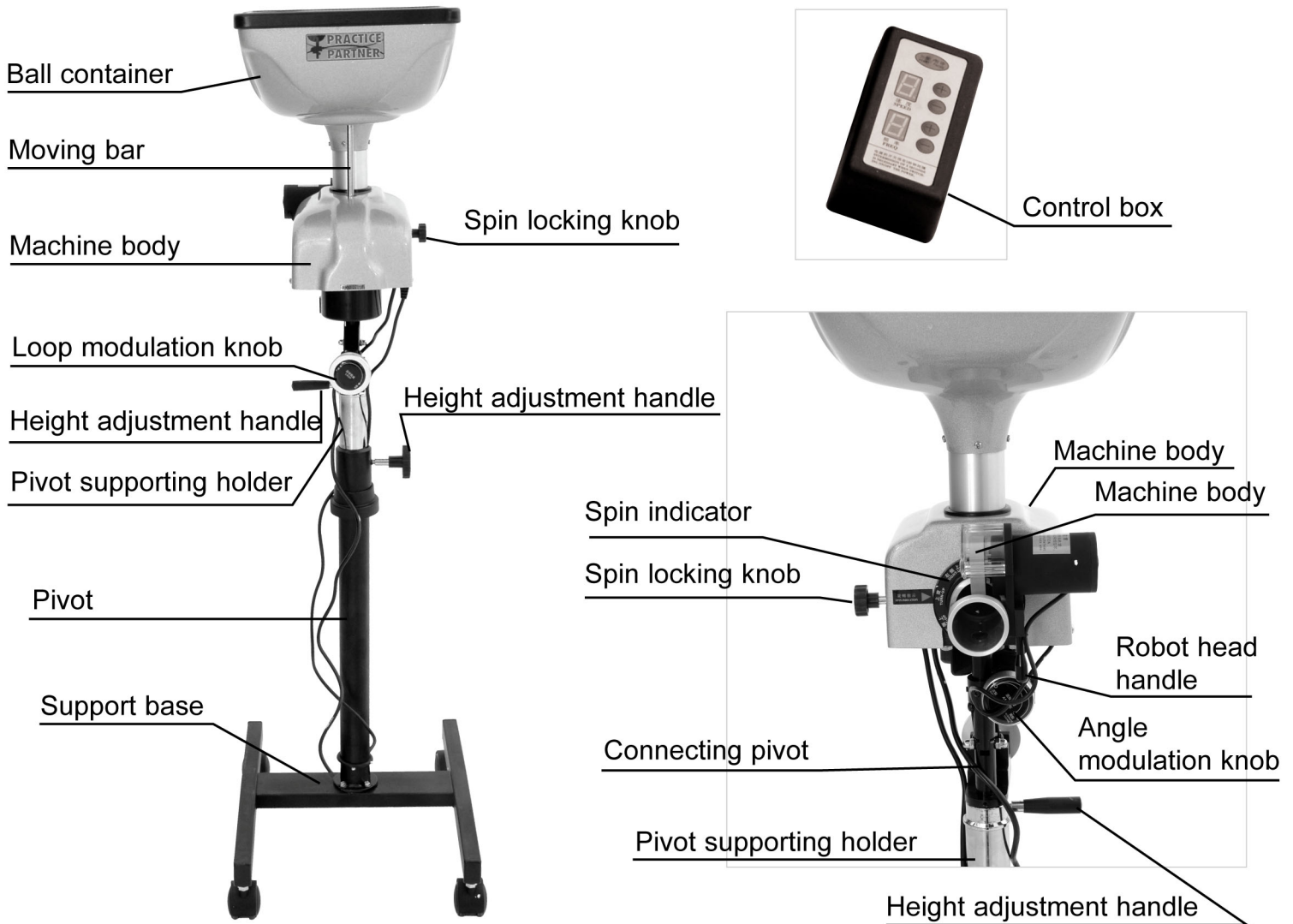
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### CARE BEFORE USE

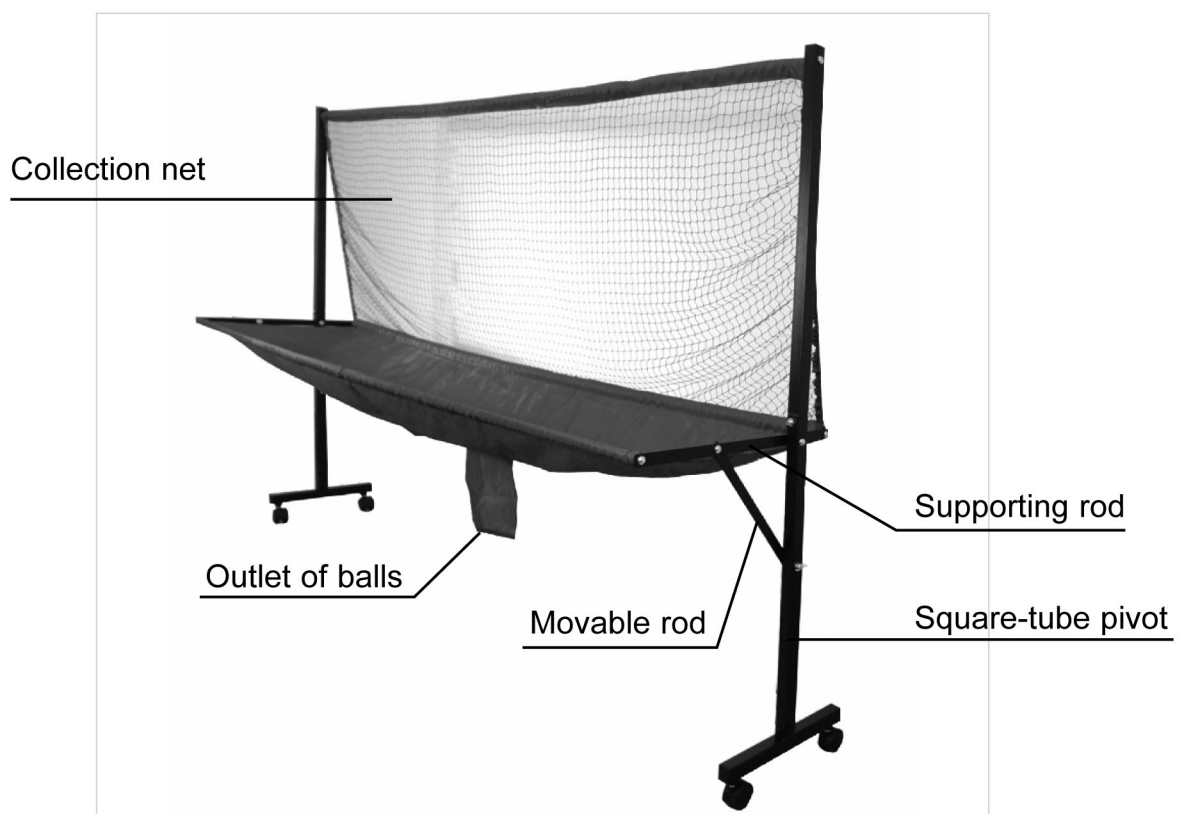
### INTRODUCTION TO FUNCTIONS OF THE ROBOT

### CAUTIONS AND MAINTENANCE

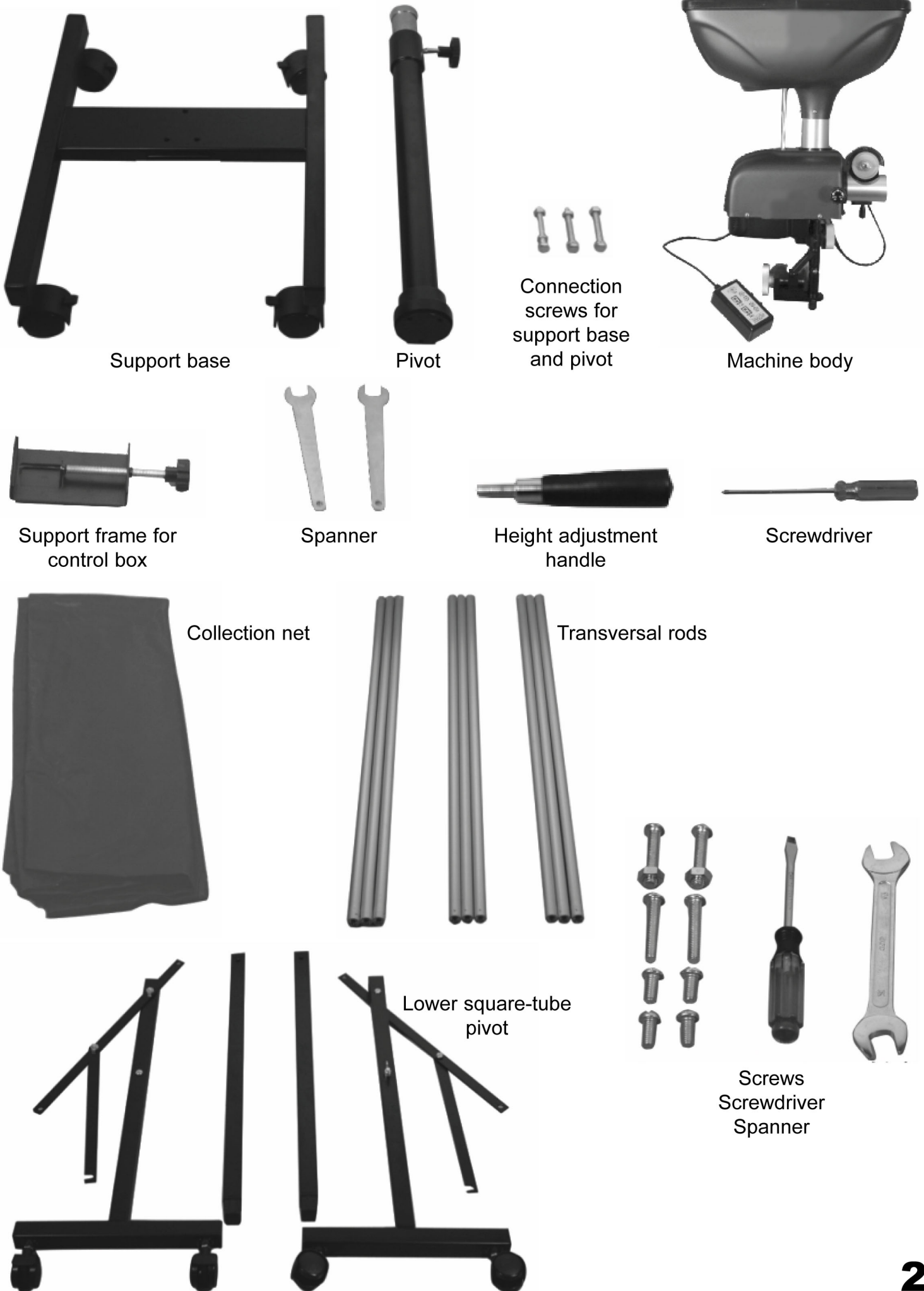
# Robot components



# Ball collecting net



# Spare parts of Robot and ball collecting net



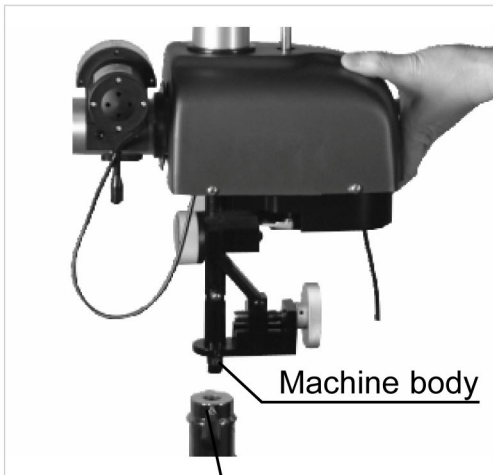
# Installation of the robot



Install the pivot on the support base and fasten them tightly with screws.



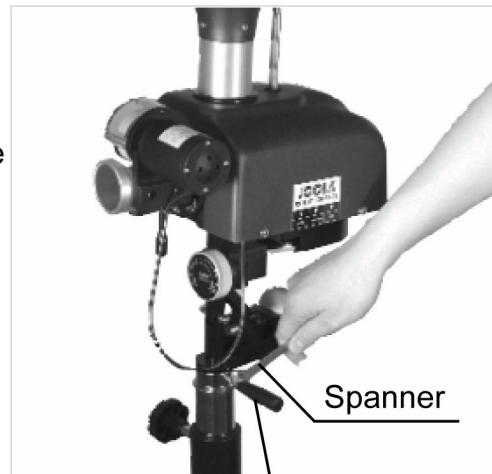
Place down the decorative cover and washers.



Fix the machine body to the pivot by inserting and fastening the screw.

Machine body

Position of fastening screw



Fasten them with the spanner at the plane position of the height adjustment handle.

Spanner

Height adjustment handle



Control box is usually placed and fixed on the operation side (left), but it can be placed wherever convenient.



Insert the control box into the support frame. This completes the basic set-up of the robot.

# How to assemble the ball collecting net



Insert the square-tube pivots as indicated by the corresponding letters.



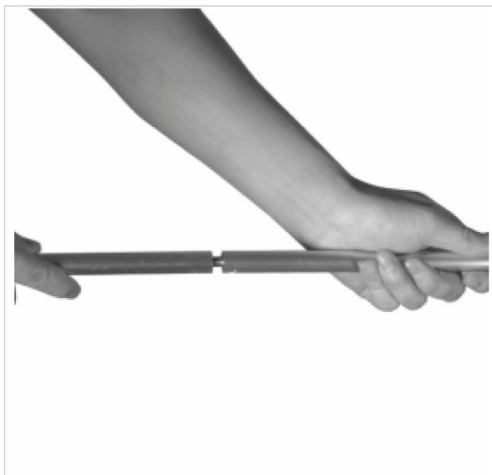
Insert the screw through the square-tube pivot and fasten them with the spanner and screwdriver.



Attach the support rod at 90 degrees to the square-tube pivot. Place the end of the attached loose rod over the screw (pictured) and fasten.



The two frames should be symmetrical in vertical directions.



Connect the 9 transversal rods to make 3 longer ones.



Insert the 3 longer transversal rods separately into the 3 fixing positions of the collection net.



Fasten the screws with the screwdriver (total 6 screws for two sides).

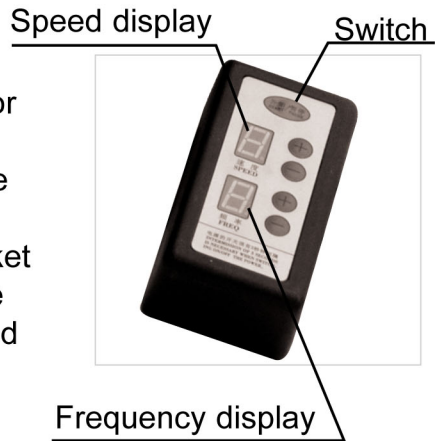


There is an outlet for balls at the bottom of the collection net for ease of collection in a container.

# Power source and switches



The information for the proper power source for the robot is marked on the side of the machine body. The connection between plug and socket should be perfect. The plug should be removed from the socket after use.

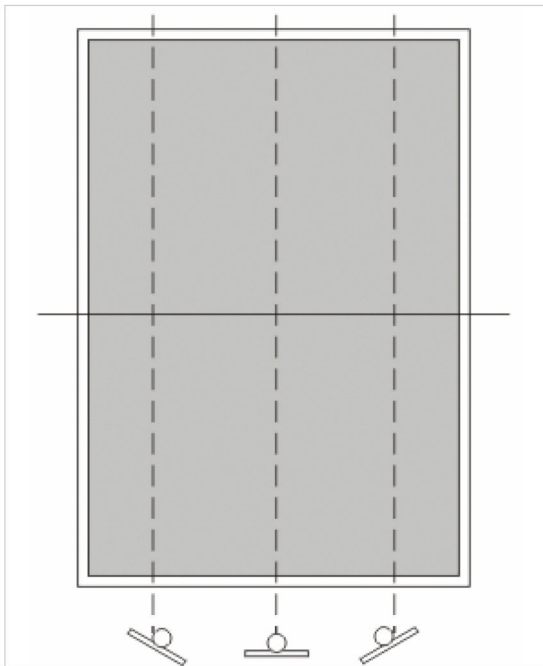


The speed and frequency can be operated simultaneously. When the display digits are lit this signals that the robot is in operation. If they are not lit up after pressing several times, please check the connection between the plug and socket.

## How to position the table tennis robot

Collection net

Robot Robot Robot



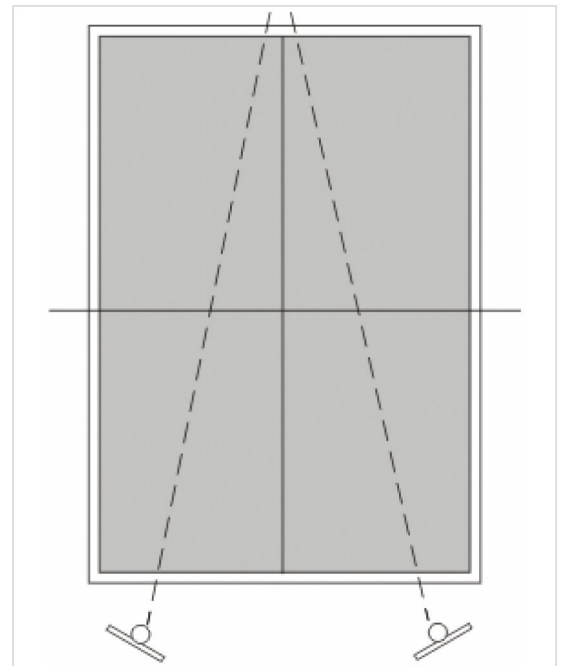
The robot can be located at any place during single-point practice.

The foot wheels may be moved freely after the fastener is loosened.

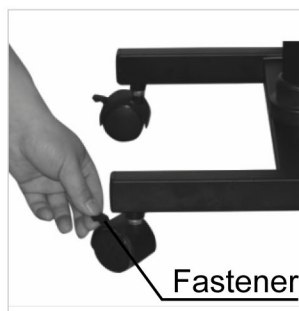
(See the diagram below right).

Collection net

Robot Robot Robot

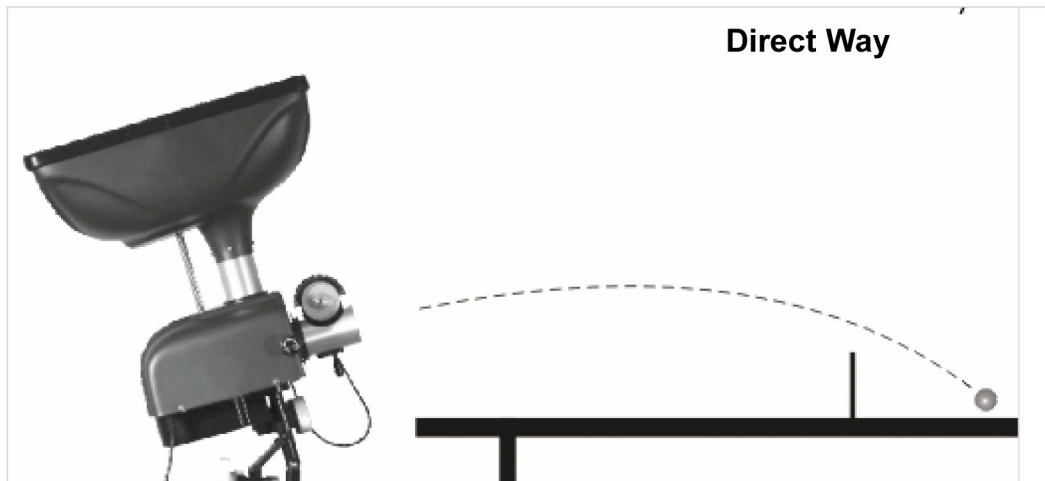


It is better to locate the robot in the middle during two-point practice. It may also be located at other places.

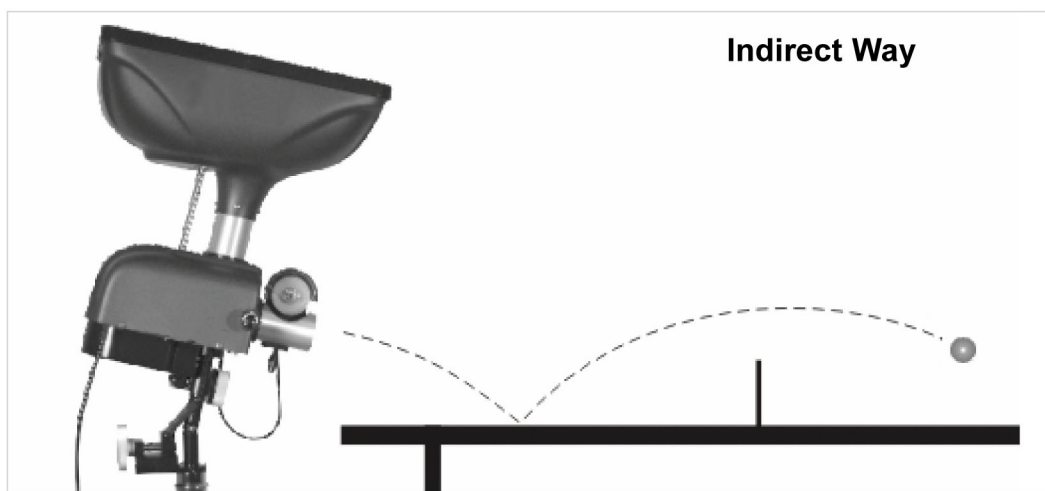


# Ways to serve the ball

Direct Way



Indirect Way



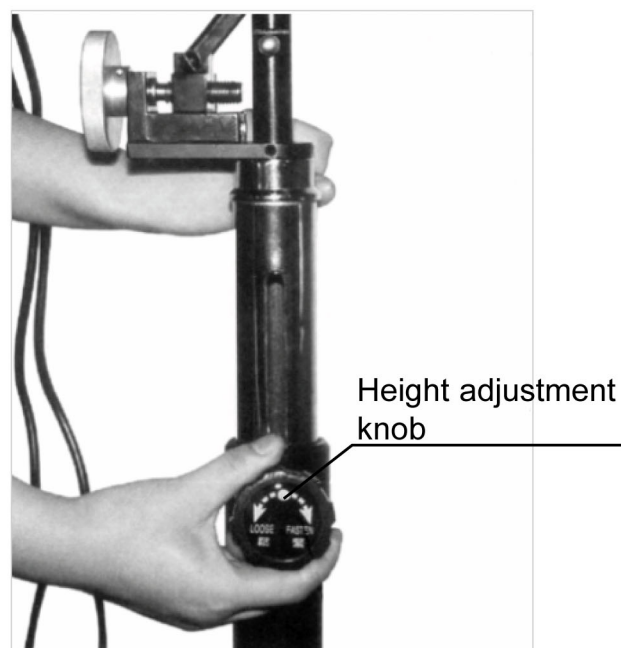
The balls can be served either directly or indirectly. The speed and rotation of the former will be stronger than those of the latter. They may be adjusted with the loop adjustment knob.

## Loop modulation



The loop of the balls can be adjusted with the loop adjustment knob. It is also related to its location (far or near to the table), as well as its height (higher or lower).

## Adjustment of height

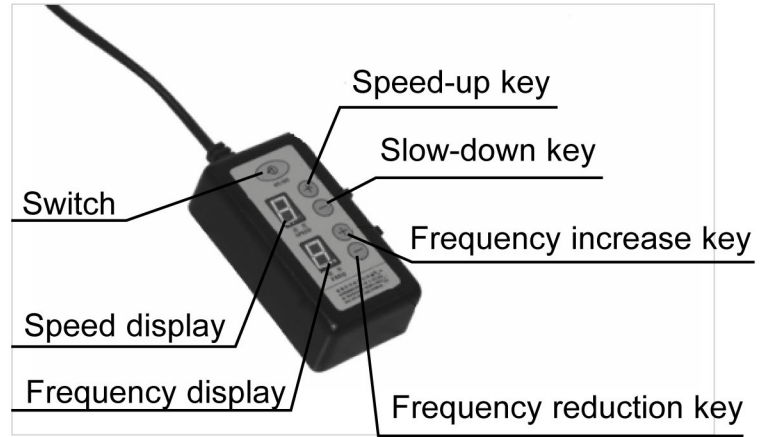


Hold the height adjustment lever first with your left hand during the adjustment of height, and loosen height adjustment handle with your right hand. Then, select the height required and fasten the height adjustment handle.



# Speed modulation

The speed of balls served is adjusted with the touch key on the control box. It has 9 stages. The digit '1' in the display is the lowest stage and '9' is the fastest stage. They can be adjusted optionally according to your requirements. The control box also has a memory function. When restarted after being stopped or switched off, it can keep the speed and frequency at the same levels as they were at before.



# Frequency modulation

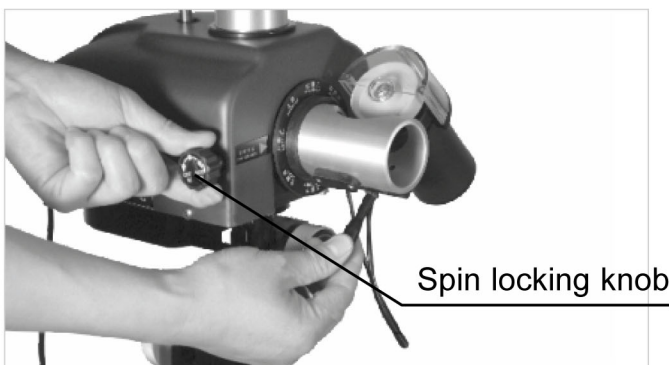
The frequency of balls served is also adjusted with the touch key on the control box. It too, has 9 stages. The digit '1' on the display is the lowest stage (25 balls per minute). '9' is the fastest stage (85 balls per minute).

# Angle modulation

The angle of the balls served can be adjusted with the service angle adjustment knob. The angle will be greater when balls are rotating clockwise, and smaller when rotating counter clockwise. It can be adjusted during operation of the robot.



# How to select spin



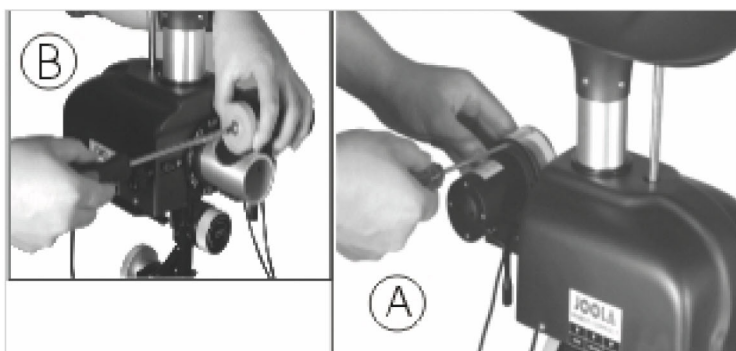
Loosen the spin locking knob first when selecting rotation. Set the type of spin required to the triangle mark, then lock the spin locking knob tightly. The motor head can be rotated 180°. Be careful not to pull the wire too far when turning the knob.

# Capacity of the ball container

The ball container holds 150 balls in 40mm size. The level of the balls in the ball container should not be higher than the label (yellow line) position inside. Items other than table tennis balls should not be put into the ball container, otherwise its parts may be damaged, and operation of the robot will be affected.



## Replacement of friction wheels



The friction wheels can be used for more than 5000 hours, though after this time they may need replacing. For replacement, first remove the protection case then remove the friction wheel screw with the screwdriver.

## Protection of control box



You must take care to avoid shaking them. Water should not be poured on to it.

## How to maintain the table tennis robot



The robot should be kept clean. The friction wheels may have some stains after use for a long period and need to be cleaned with a wet cloth. For the other parts, it's better to clean them with a dry cloth to avoid rusting of the metal parts. Please unplug after use.