

Beauto Racer

Assembly/Instruction Manual

Precautions for use

When handling the robot, follow the precautions below for proper use.

- Avoid a strong impact to the robot body.
- ■Do not wet the robot body with water or do not use it in damp or dusty places. A failure may be caused by shorts, etc.
- ■If smoke is produced from the robot body, immediately turn off the power switch of the robot body. Then, keep the robot with no battery inserted.
- ■When using the robot on a high place, putting on a desk, for example, take due care to prevent it from falling.
- Do not operate the robot body near small children or do not store it at places within the reach of small children.
- ■Before storing the body, be sure to turn off the power, remove the battery, and keep it safe away from places subject to high temperatures, high humidity, dust and direct sunlight



*Before assembly, be sure to check the number of parts.



O

F

 \bigcirc Wheel $\times 2$

20-ring $\times 2$

3 Metal washer × 3 (Spare 1)

(4) Duracon washer (White) × 1

⑤Push rivet ×1



(7)Motor holder × 2



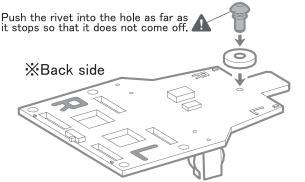
(8)Motor $\times 2$

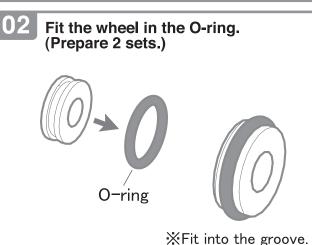
Board X 1(the side with the battery

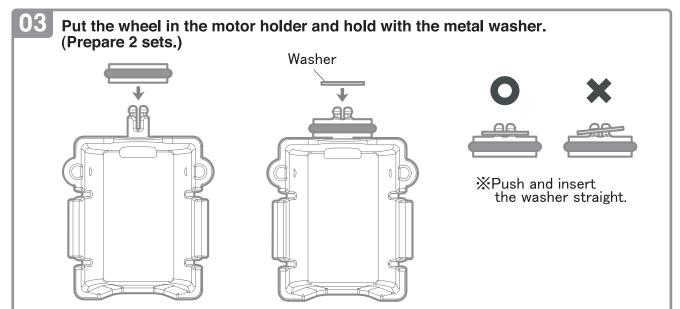
(9) Board × 1(the side with the battery holder mounted is the front side.)

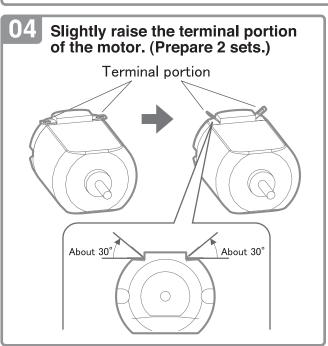
Install the Duracon washer (white) and the black push rivet on the back side of the board.

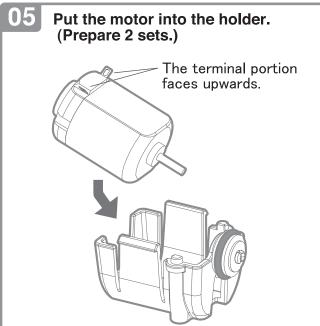
Push the rivet into the hole as far as it stops so that it does not come off.

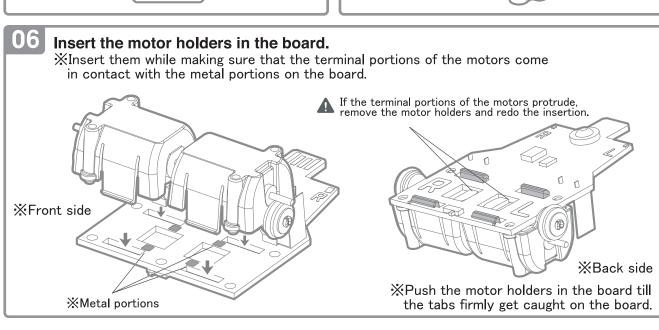


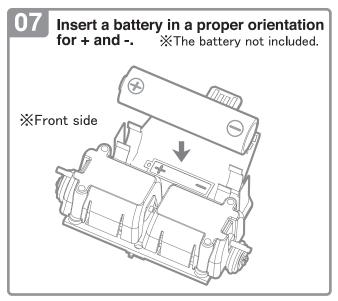


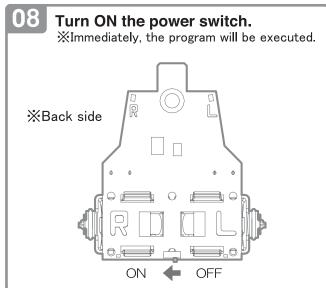












09 Checking of operations (with the power ON).

XTouch the sensor with fingers and check if the robot moves as follows.

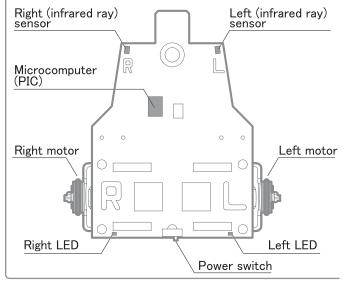
- (1)Not touching the right and left sensors. The right and left motors stop and the right and left LEDs light up.
- ②Touching the right sensor.

 The right motor runs and the left LED lights up.
- ③Touching the left sensor.
 The left motor runs and the right LED lights up.
- 4) Touching the right and left sensors. The right and left motors run and the right and left LEDs goes out.

A When the motors do not drive well.

- A. The motor holders may not fit in the board well. Push them in the board so that the tabs firmly get caught on the board.
- B. Displace the motor holders and adjust contact of the terminals.
- C. Bend the terminals of the motors and place the motor holders again.

<Back side of the board >



Run the robot on the line course (for beginners) at the back.

XPlease download the line trace course.

http://www.vstone.co.jp/english/products/beauto racer/download.

The robot will do a line trace (runs on the line tracing the line).

*In a place exposed to sunlight or other surrounding lights, the robot may not trace a line.(The sensors reacts strongly due to lights containing infrared ray such as sunlight.

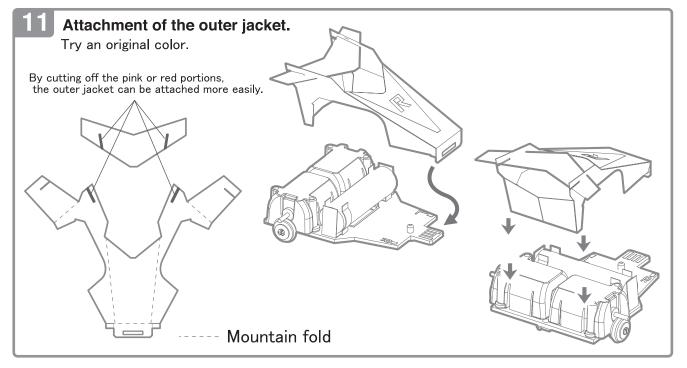
After the assembly of the robot is completed. With reference to Operation Manual of Beauto Builder R", conduct programming for Beauto Racer.

Furthermore, try making a program with which you can clear the advanced-level course.





Advanced-level course



Vstone official shop

Vstone Robot Center at Tokyo Akihabara

4F Uchida building, Sotokanda Chiyoda-ku, Tokyo 101-0021, Japan

Vstone Robot Center at ROBOSQUARE

TNC Broadcast Hall, 2-3-2 Momochihama, Sawara-Ku, Fukuoka City, Fukuoka Pref. 814-0001, Japan

Supplemental remark

Soldering of battery holder.

The battery holder and the board are not soldered before shipment. You can use the robot without any problem as it is, but by soldering, the battery holder can be completely secured to the board.

XFor children of junior high school age and under, an adult shall conduct such a soldering work.





Official Web Site

Beauto Rocer

Information about Beauto Racer and download (of the latest version of software, paper craft) are provid

http://www.vstone.co.jp/english/products/beauto_racer

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GET information about robot handcraft classes or other events at the ROBO-PRO site

http://robo-pro.net

Robot communication site LET'S★ROBOT (Japanese) Full of robot-related contents such as download of latest sample motions and videos!

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