

Design changes notification for Maqueen

1. Basic information

Involved Products	Micro: Maqueen Lite / Maqueen Plus V2
SKUs	ROB0148-CN, ROB0148-EN, ROB0148-KR, ROB0148-JP, ROB0148-TW, MBT0021-EN, MBT0021-EN-18650
Company	Zhiwei Robotics Corp.

2. List of design changes

SN	Change the position of the design	Original design	New design	The impact of design changes.
1	N20 Motors	gear ratio: 1:150 Rated speed : 133PRM	gear ratio: 1:75 Rated speed: 266PRM	Speed×2 The line-following code may need to be modified to adjust the motor speed in order to ensure proper line following. The appearance remains unchanged.
2	N20 Motor fixing seats	No blocking of the gearbox , White ABS	The gearbox is completely covered, Black ABS	The buckle covers all the motor gearbox to prevent impurities such as hair from entering the gearbox and affecting the lifespan of the motor. Appearance changes.

3. Change date and description

Original design date of discontinuation of production	2023-6-15
New design production date	2023-6-16

- During the transition period, there may be a mix of old and new versions of the motor. The old version will no longer be available for long-term supply, but there may be limited stock of the old version for certain SKUs. Customers are advised to manage the transition between the old and new versions accordingly.

- After the change, all shipped products will have a new black fixed seat, and the original white fixed seat has been discontinued.
- If there are any product after-sales processes, the old motor version should still be replaced with the old motor, while the new motor version should be replaced with the new motor. (If customers require a replacement with the new motor during the product after-sales process, please provide a remark or explanation.)

4. The reasons for design changes

- The original motor gear ratio of 1:150 is too high, which can lead to difficulties in controlling motor parameters and significant differences in motor performance. This can potentially cause the car to deviate from its intended path.
- The original Motor fixing seats not fully cover the motor gearbox, making it susceptible to the entry of hair and foreign objects into the motor gearbox.

5. Image of the appearance changes of the N20 Motor fixing seat

