


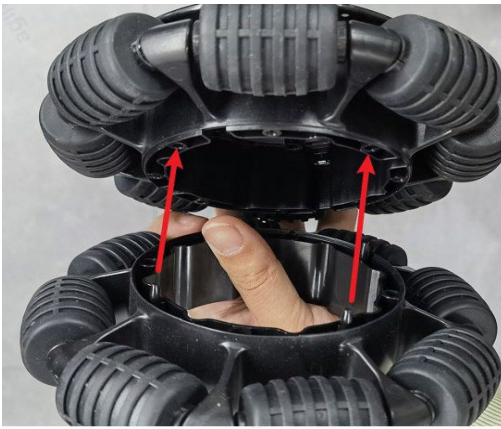



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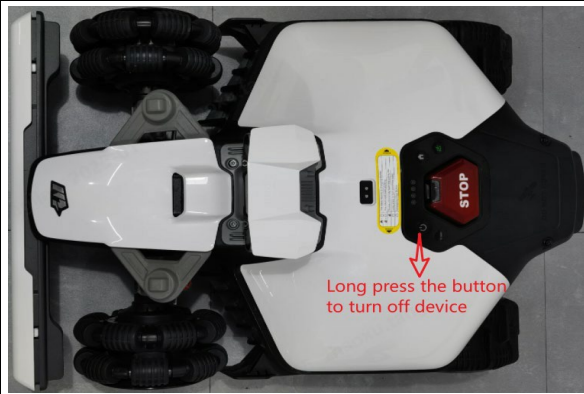


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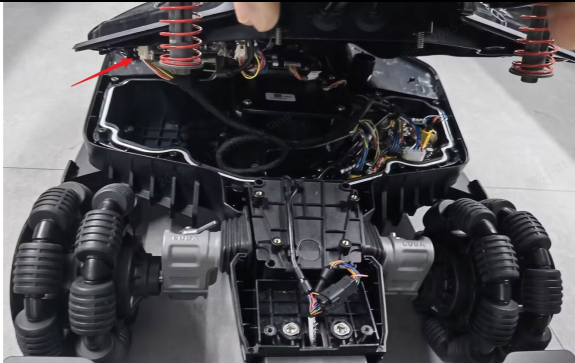

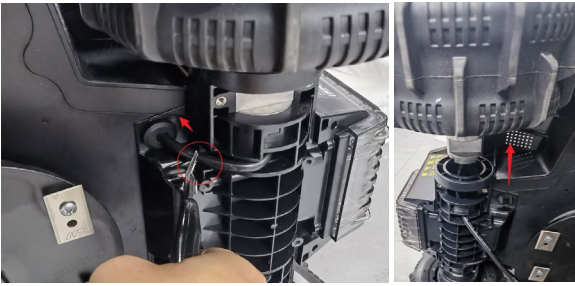

Basic Info			
Title		Disassemble&assemble the Omni Wheel	
Version		V1.0	
Made by		Allen	
Date		2025,1	
Tool list			
1	Hexagonal Screwdriver		
2			
3			
4			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Stand the device on its side and remove the marked 6 screws to release the Omni wheel			
3 Pull upward to take off the Omni wheel			

4	<p>Remove the 4 screws to separate the outer and inner Omni wheel</p>		
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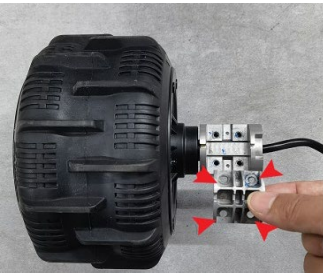







Assemble steps

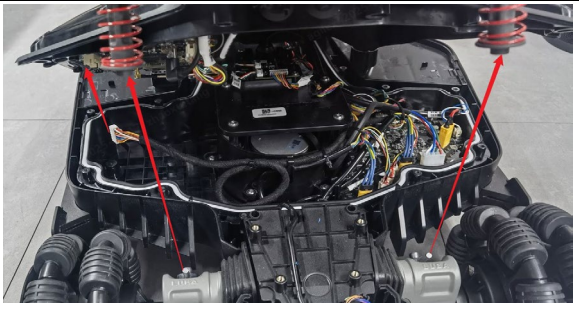

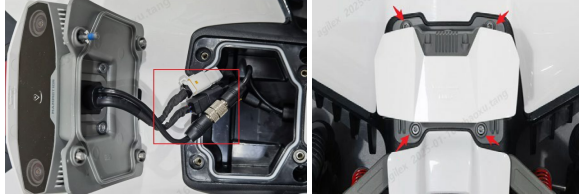
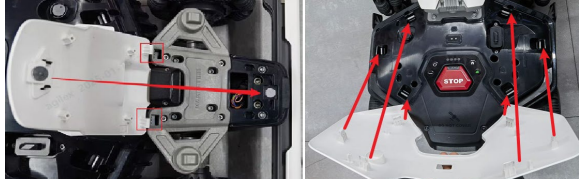
	Discription	Diagram	Tips
1	<p>Align the ports to combine the outer with inner Omni wheel</p>		<p>Please do not inset positioning columns into the screw hole</p>
2	<p>Install the 4 screws to fix the outer and inner Omni wheels</p>		
3	<p>Put the Omni wheel on the Hub motor and install the 6 screws to fix the the whole Omni wheel</p>		<p>Please align the marked positioning arrows when put the Omni wheel on the Hub motor</p> 

Basic Info			
			
Title	Disassemble&assemble the Rear Hub Motor	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
<p>Torx Hexagonal Screwdriver Hole Expansion Pliers Diagonal Cutter</p>			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		<p>Ensure the device is out of power when disassemble and assemble</p>	
2 Remove the head trim cover and top white cover			
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			


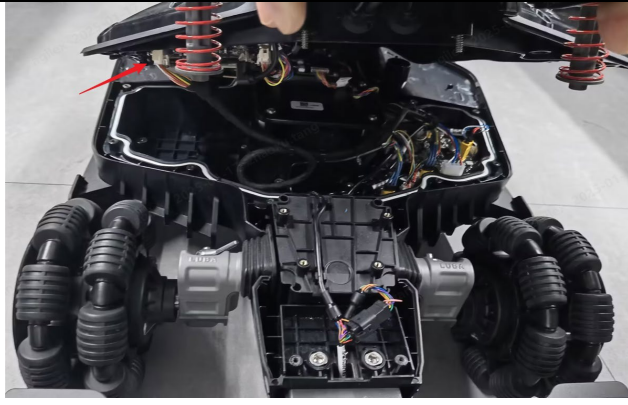

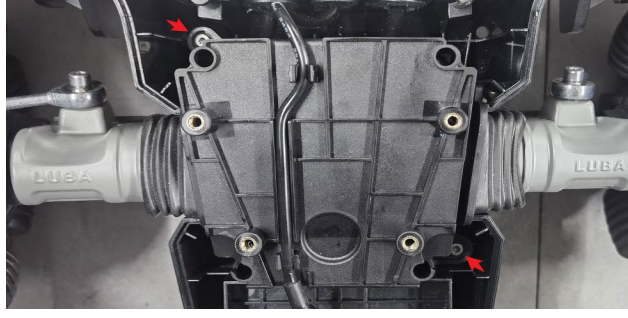
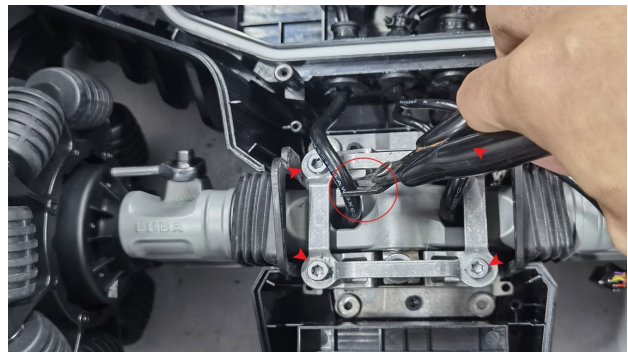
4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
6	<p>Remove the marked 8 screws to take off the hub motor shaft cover</p>		
7	<p>Cut off the hub motor cable and pull out the whole rear wheel, then push inside the rubber stopper and take off the rest motor cable from the driverbiard</p>		
8	<p>Remove the marked 10 screws to take off the hub motor from the tire</p>		

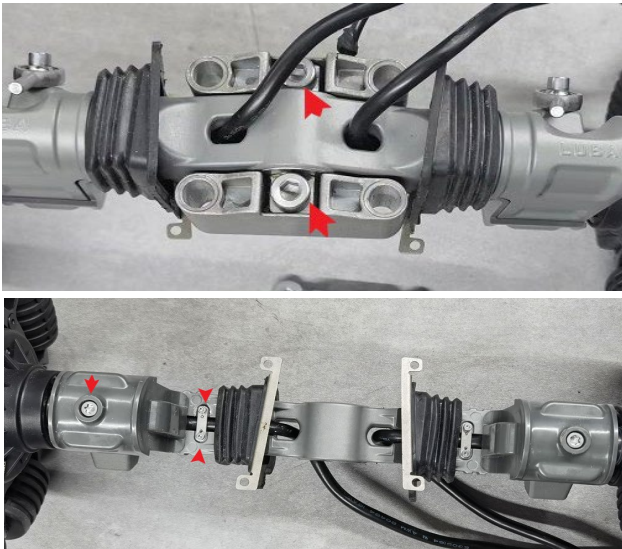
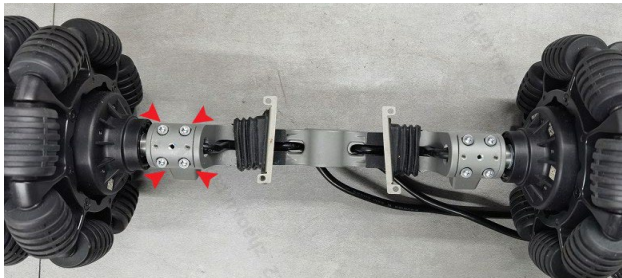

Assemble steps		
Discription	Diagram	Tips



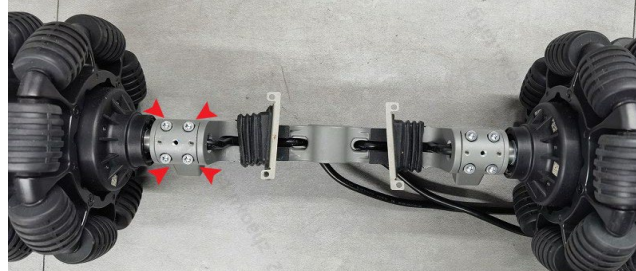
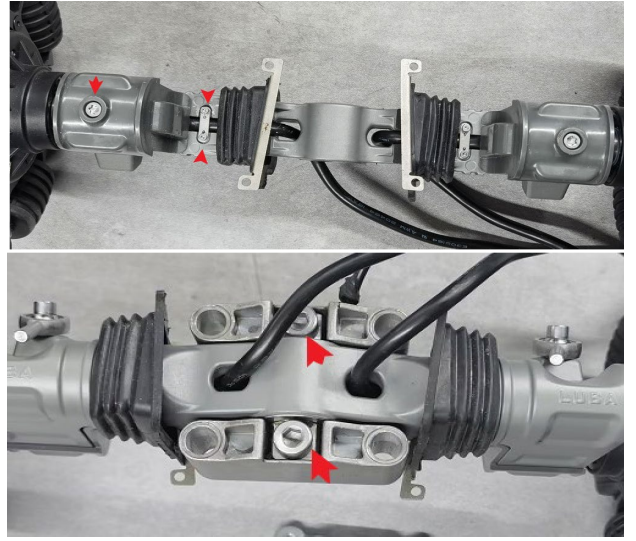

<p>1</p>	<p>Cross the hub motor cable through the motor shaft mount and install the marked 10 screws to assemble the rear wheel</p>	 	<p>Please align the marked positioning arrows when push the hub motor into the tire</p> 
<p>2</p>	<p>Firstly cross the hub motor cable through the marked holes and insert the wheel, then cross the motor cable through the rubber stopper by the Hole Expansion Pliers</p>	 	
<p>3</p>	<p>Push in the rubber stopper and connect the motor cable with driverboard</p>	 	<p>1, Do not forget to tighten the cable tie on the front end of the rubber stopper. 2, To avoid pressing the cable by the middle frame, please organize the cables</p>
	<p>Install the marked 8 screws to fix the hub motor shaft cover</p>		

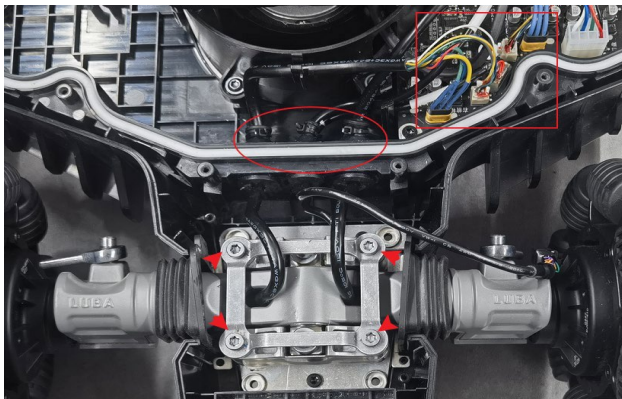
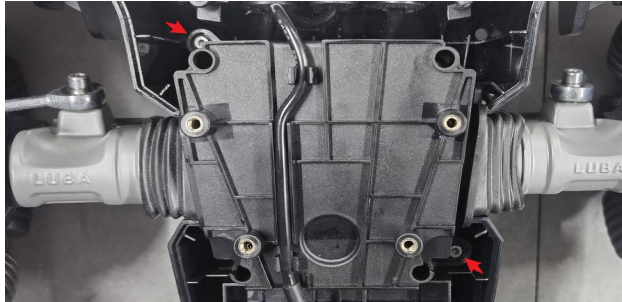
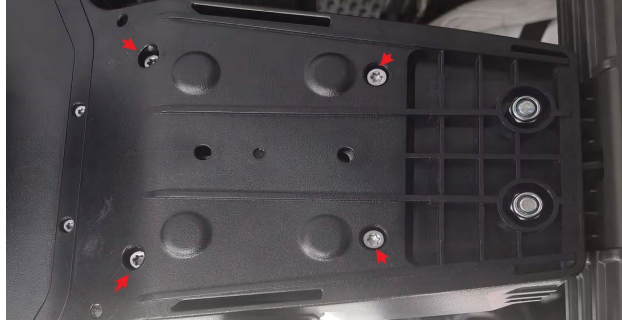
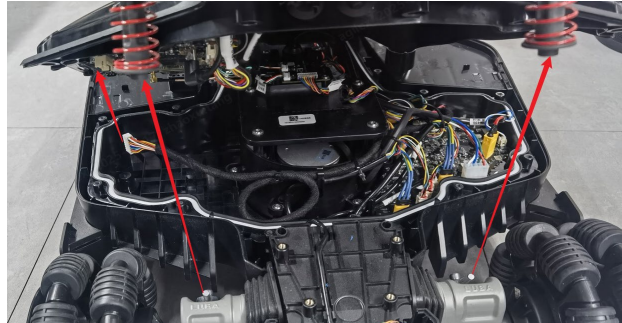
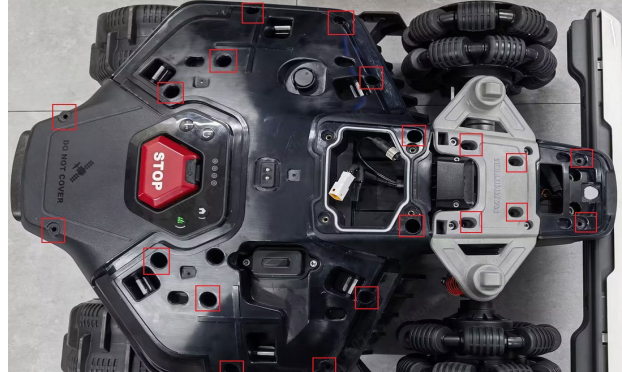
4	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
5	<p>Install the 20 screws to fix the middle frame</p>		
6	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
7	<p>Align the marked connection points to install the head trim cover and top white cover</p>		


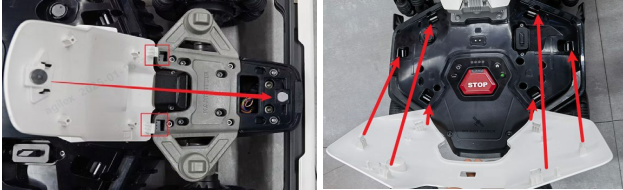
Basic Info			
Title		Disassemble&assemble the Right Front Hub Motor	
Version		V1.0	
Made by		Allen	
Date		2025,1	
Tool list			
Torx Hexagonal Screwdriver Hole Expansion Pliers Diagonal Cutter			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover			
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
6	<p>Stand the device on its side and remove the marked 4 screws</p>		
7	<p>Remove the marked 2 screws to take off the Lifting Lower Bracket Mount</p>		
8	<p>Cut off the right motor cable and take off the rest cable from the driverboard, then remove the marked 4 screws</p>		<p>If the 4 screws are too tight to remove it, please use heat gun to heating the screws for 1 minutes at 200</p>



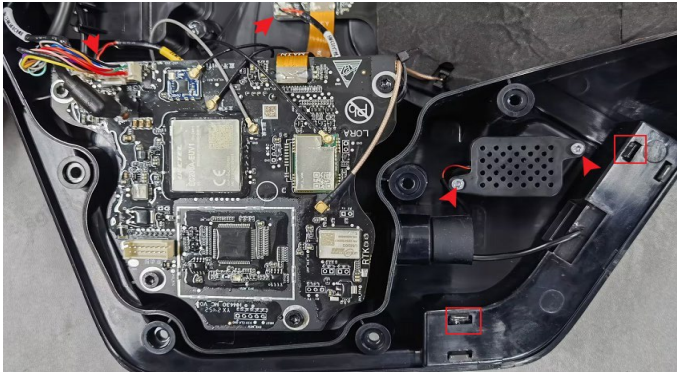

<p>9</p>	<p>Remove the marked 5 screws to take off the lifting slide block, right cable cover and crimp spacer</p>		
<p>10</p>	<p>Remove the marked 4 screws to take off the right front omni wheels</p>		
<p>11</p>	<p>Remove the marked 6 screws to take off the left front hub motor</p>		
<p>Assemble steps</p>			
	<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>

<p>1</p>	<p>Insert the hub motor into the omni wheel, then install the marked 6 screws to fix the wheel with hub motor</p>		<p>Align the marked positioning arrows when insert the hub motor into the omni wheel</p> 
<p>2</p>	<p>Across the hub motor cables through the axle and insert the wheel into the axle, then install the marked 4 screws to fix the front axle pressing block</p>		
<p>3</p>	<p>Install the marked 5 screws to fix the cable cover, crimp spacer and lifting slid block</p>		
<p>4</p>	<p>Cross the right hub motor cable through rubber stopper by the hole expansion pliers</p>		


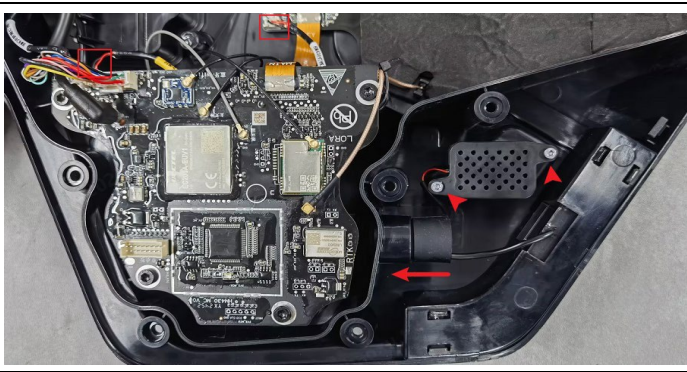
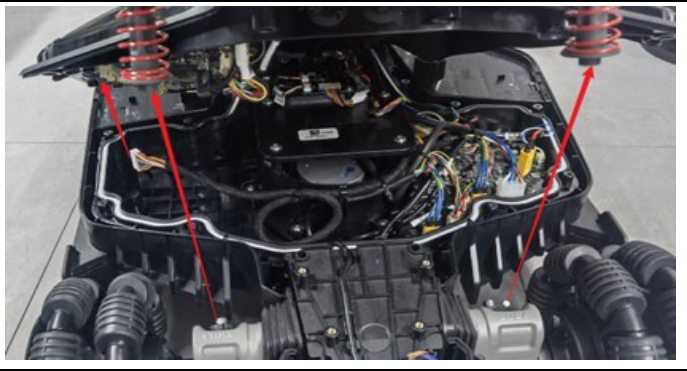

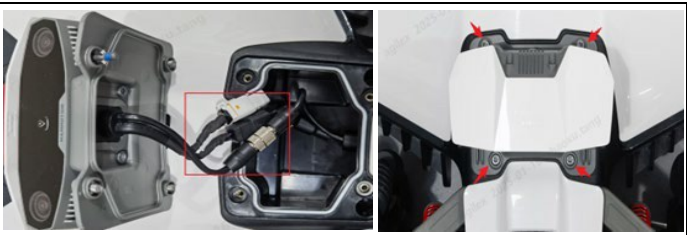
<p>5</p>	<p>Push in the rubber stoppers and connect the right motor cable with driverboard, then install the marked 4 screws</p>		<p>1, Do not forget to tighten the cable tie on the front end of rubber stoppers 2. To avoid pressing the cable when install the middle frame, please organize the cables</p>
<p>6</p>	<p>Install the marked 2 screws</p>		
<p>7</p>	<p>Stand the device on its side and install the marked 4 screws to fix the Lifting Lower Bracket Mount</p>		
<p>8</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>9</p>	<p>Install the 20 screws to fix the middle frame</p>		



10	Connect the cables and install the 4 marked screws to fix the vision module		
11	Install the head trim cover and top white cover		



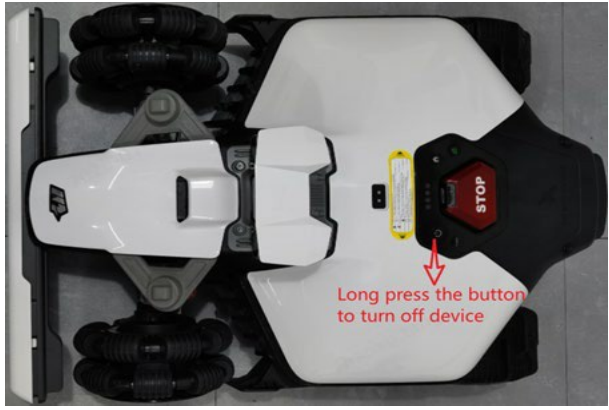



Basic Info			
Title	Disassemble&Assemble the Right LED&Speaker Assembly	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver Diagonal cutter			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover			
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			



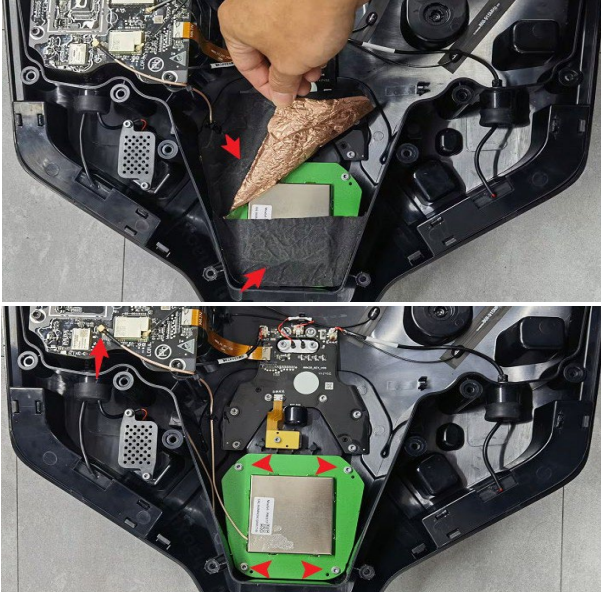
<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>6</p>	<p>Remove the 2 marked screws and cut off the 2 parts that marked with box, then disconnect the LED and speaker cable with motherboard and keypad,</p>		
<p>7</p>	<p>Pull out the rubber stopper, then you can take off the right LED&speaker assembly</p>		

<p>Assemble steps</p>		
<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>

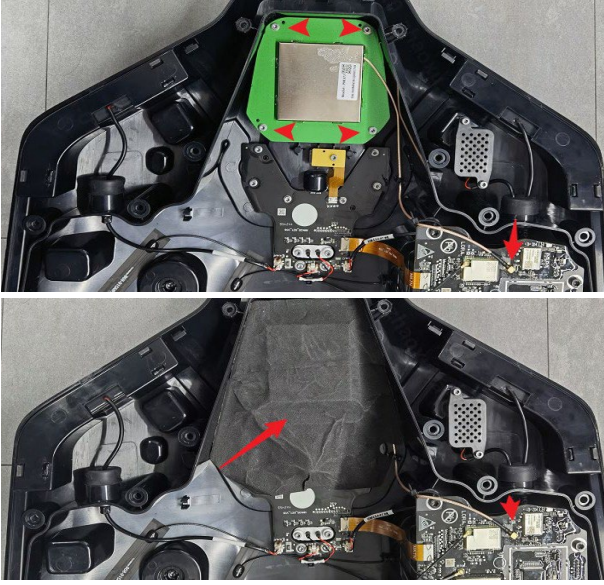




<p>1</p>	<p>Press down the right LED to fix it</p>		
<p>2</p>	<p>Cross the cable through the hole and connect them with motherboard and keypad, then push inward the rubber stopper and install the 2 screws to fix the speaker</p>		<p>Please tighten the cable tie on the front end of the rubber stopper before push inward it</p>
<p>3</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the 2 red springs before tighten the screws</p>
<p>4</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>5</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>

6	Install the head trim cover and top white cover	 A close-up photograph of the head trim cover installation. A white plastic cover is being fitted onto a black metal frame. Two red arrows point to the top edge of the cover, indicating where it should be aligned with the frame.	 A photograph showing the front view of the head trim cover installation. The white cover is now partially attached to the black frame. Four red arrows point to the corners of the cover, indicating the points of attachment.	
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Basic Info			
Title	Disassemble&Assemble the RTK Antenna	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover as the diagram		For more details please refer to the attached file  Disassemble&Assemble the Top	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			




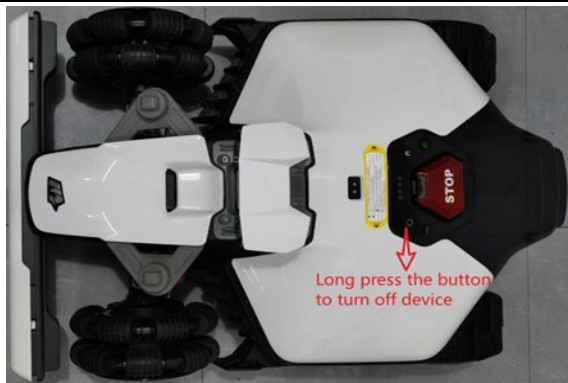


<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked connection port, please slowly lift up the middle frame</p>
<p>4</p>	<p>Tear off the marked black conductive fabric, then remove the marked 4 screws and unplug the RTK cable from motherboard to take off the RTK antenna</p>		

<p>Assemble steps</p>		
<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>

<p>1</p>	<p>Install the 4 screws and paste the conductive fabric on the RTK antenna completely, then plug in the RTK cable on the motherboard</p>		<p>1, Please organize the cable to avoid pressing it when install the middle frame 2, Do not forget to apply the curing glue on the connection port to avoid the cable losing</p>
<p>2</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>3</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p></p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>4</p>	<p>Align the marked connection points to install the head trim cover and top white cover</p>		




Basic Info			
Title	Disassemble&Assemble the Stop Button	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Press the edge of the stop button to take off it			
3 Use the screwdriver to remove the makred 2 screws to take off the stop button base.			
Assemble steps			
Discription	Diagram	Tips	

1	<p>Tighten the marked 2 screws to fix the stop button base.</p>	 A close-up photograph of the stop button base assembly. The assembly is a black plastic component with a central white spring. Two screws are visible, one on the left and one on the right, both highlighted with red arrows. The base has a green light indicator on the left and a 'START' label on the right. Below the base are four small circular buttons.	
2	<p>Put the stop button on the spring and press down the button</p>	 A photograph showing a hand pressing down on the red stop button. The button is mounted on the spring mechanism. The surrounding area is white plastic with black accents. A yellow label is visible below the button.	

Basic Info			
Title	Disassemble&Assemble the Tire of Rear Wheel	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Hexagonal Screwdriver	 		
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Stand the device on its side and remove the 6 screws to release the connection between the wheel and Hub motor			
3 Pull upward to take off the wheel			

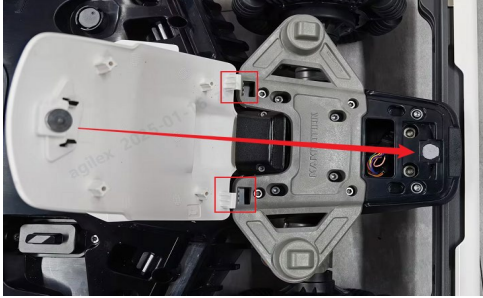

4	<p>Remove the marked 6 screws to take off the tire from the wheel inner rim and outer rim</p>		
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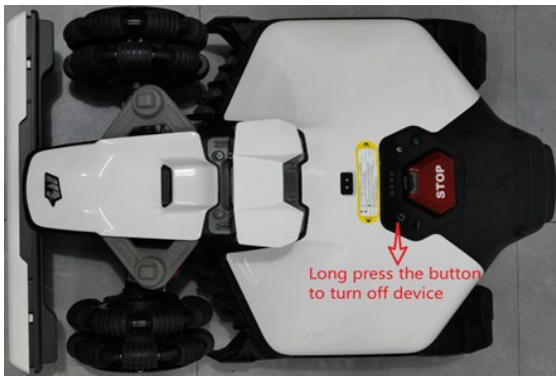

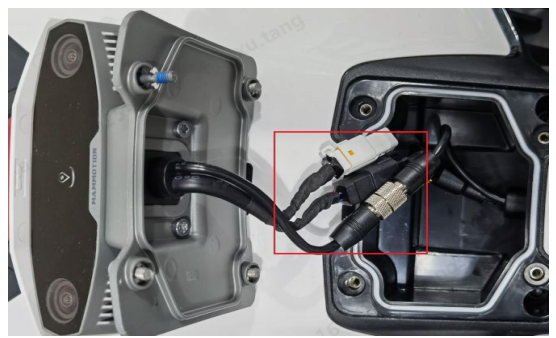
Assemble steps



	Discription	Diagram	Tips
1	<p>Put the wheel rims in the tire and install the 6 screws to fix it</p>		<p>Please align the marked positioning arrows when you install the inner rims</p>
2	<p>Put the tire on the hub motor and install the 6 screws to fix the tire on Hub motor</p>		<p>Please align the marked positioning arrows when put the wheel on the Hub motor</p> 


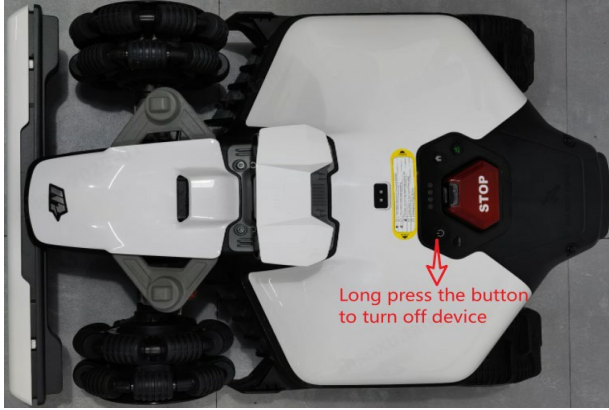

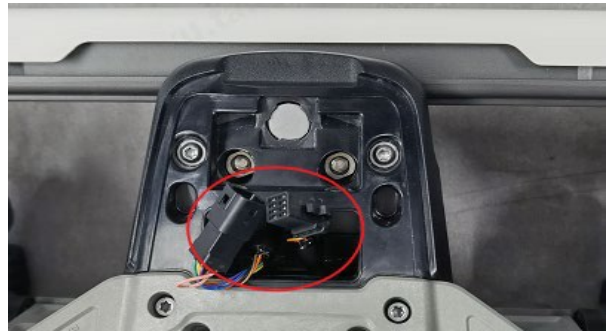





Basic Info			
Title	Disassemble&assemble the Top White Cover&Head Trim Cover		Version V1.0
Made by	Allen	Date	2025,1
Tool list			
Disassemble steps			
	Discription	Diagram	Tips
1	Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble
2	Pull upward from the front side to take off the head trim cover		
3	One hand press on the tail part, another hand pull upward the front left side to release the left part		Pull upward forcefully
4	One hand press on the tail part, another hand pull upward the front right side to release the right part, then you can remove the whole white cover easily		Pull upward forcefully
Assemble steps			
	Discription	Diagram	Tips

1	<p>Align the three connection points, then press down the head trim cover to fix it</p>		
2	<p>Align the six connection points, then press down the top white cover to fix it</p>		<p>please forcefully press down the top white cover to ensure the connection is solid</p>

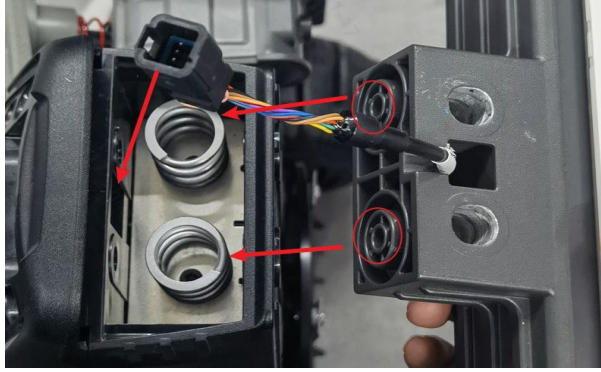


Basic Info			
Title	Disassemble&Assemble the Vision Module	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the 4 screws to release the vision module			
3 Disconnect the 3 cables to take off the vision module			
Assemble steps			
Discription	Diagram	Tips	

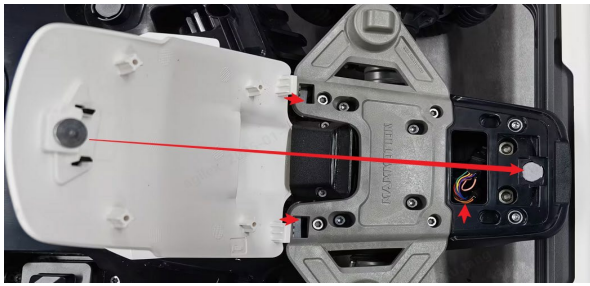
1	<p>Contact the 3 cables and put the cables inside the groove completely</p>	 A close-up photograph showing three cables being inserted into a groove on a grey plastic component. A red square highlights the connection points where the cables meet the device.	
2	<p>Install the 4 screws to fix the vision module</p>	 A top-down photograph of a white vision module being secured to a device. Four red arrows point to the locations where screws should be installed: two on the top edge and two on the bottom edge.	<p>Please avoid pressing the cables when tighten the screws.</p>



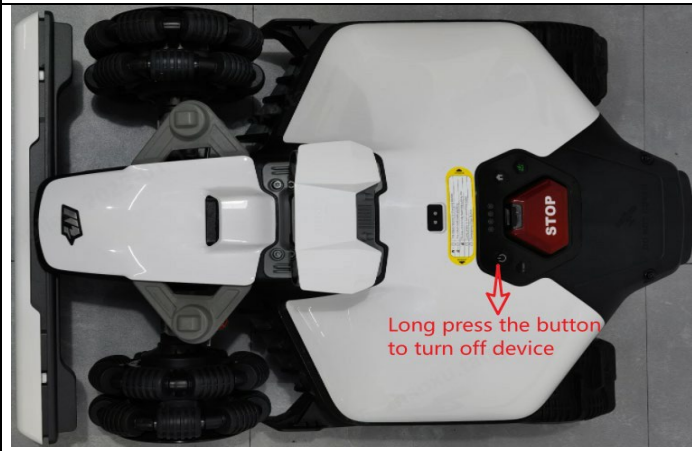



Basic Info			
Title		Disassemble&Assemble the Front Bumper	
Version		V1.0	
Made by		Allen	
Date		2025,1	
Tool list			
Socket Wrench Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Pull upward from the front side to take off the head trim cover			
3 Disconnect the front bumper cable			
4 Stand the device on its side and use the socket wrench to remove the 2 screw nuts			

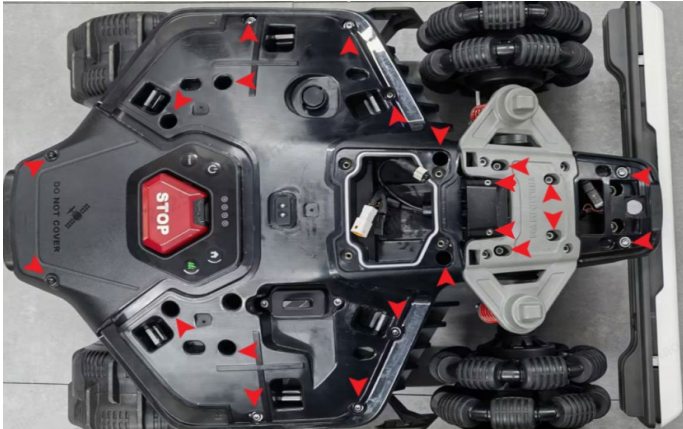
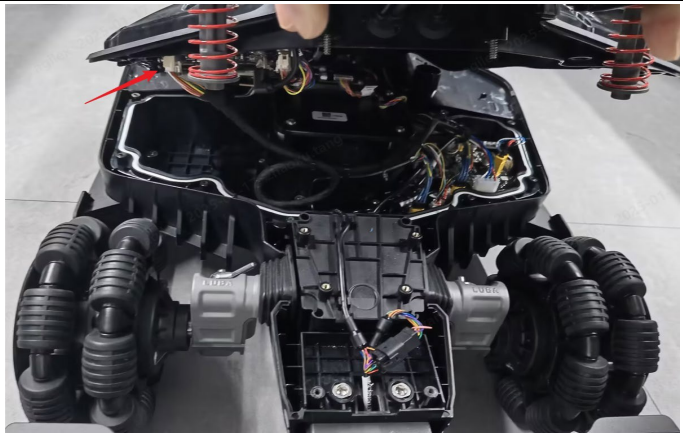
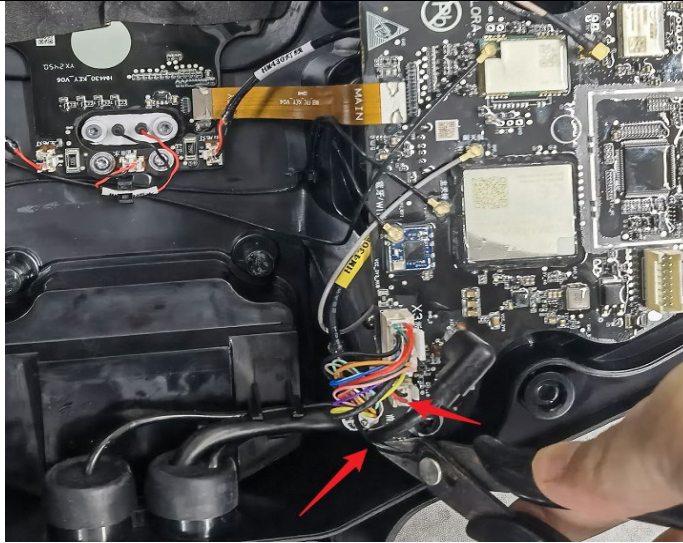
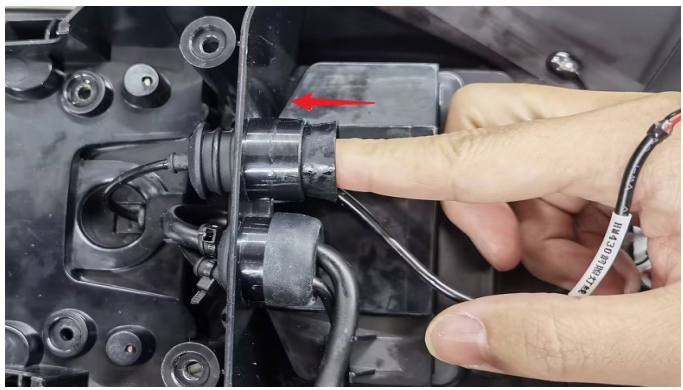
<p>5 One hand press down the front bumper, then push out the 2 screw rods</p>		<p>Please forcefully press down the front bumper, then you will easily push out the screw rods.</p>
<p>6 Unplug the front bumper</p>		

Assemble steps

Discription	Diagram	Tips
<p>1 Cross the cable through the hole, then plug in the front bumper</p>		<p>please align the 2 springs with the 2 circle grooves</p>
<p>2 One hand press down the front bumper, then push the 2 screw rods to its position with your finger</p>		<p>Please forcefully press down the front bumper, then you will easily push the screw rod in</p>
<p>3 Install the 2 screw nuts with the socket wrench</p>		

<p>4 Connect the front bumper cables and install the head trim cover</p>		<p>Please put the connection port inside the groove before install the head trim cover</p>
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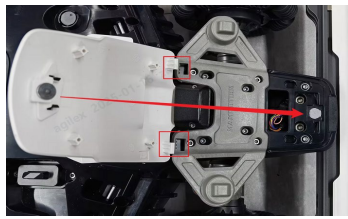

Basic Info			
Title	Disassemble&Assemble the Front LED Assembly	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver Diagonal Cutter			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		<p>Ensure the device is out of power when disassemble and assemble</p>	
2 Remove the head trim cover and top white cover		<p>For more details please refer to the attached file</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  Disassemble&Assemble the Top </div>	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

<p>4</p>	<p>Remove the marked 22 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>6</p>	<p>Cut off the cable tie and disconnect the front LED cable from the motherboard</p>		
<p>7</p>	<p>Push out the rubber stopper with your finger to take off the Front LED assembly</p>		

Assemble steps

Discription	Diagram	Tips
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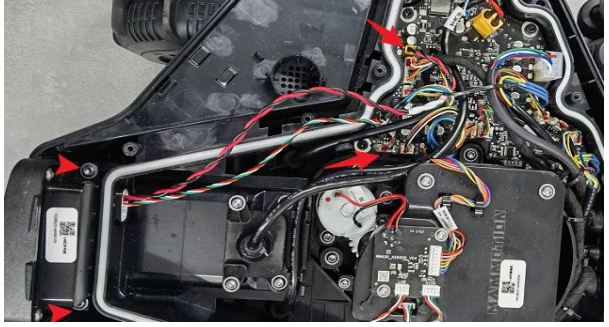
<p>1</p>	<p>Across the front Led cable through the hole and install the 2 screws to fix it</p>		<p>Please align the small rubber stopper with the groove</p>
<p>2</p>	<p>Apply lubricant on the rubber stopper and across it through the hole, then connect the Led light cable with the motherboard</p>		<p>Do not forget to tighten the cable tie on the front end of the rubber stopper</p>
<p>3</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>4</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>5</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>

6	Align the marked connection points to install the head trim cover and top white cover			
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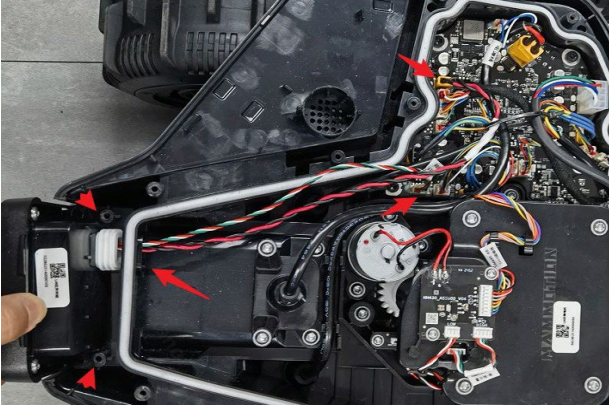
Basic Info			
Title	Disassemble&Assemble the Infrared Recharging Assembly	Version	V1.0
Made by	Allen	Date	2025,1

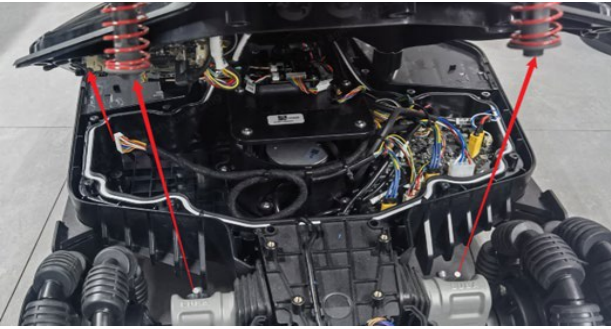


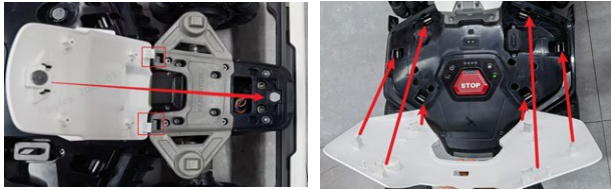
Tool list	
Torx Hexagonal Screwdriver	

Disassemble steps			Tips
Discription	Diagram		
1 Long press the power button to turn off the device			Ensure the device is out of power when disassemble and assemble
2 Remove the head trim cover and top white cover			For mordetails please refer to the attached file Disassemble&Assemble the Top
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
6	<p>Remove the marked 2 screws and disconnect the marked 2 cables from the driverboard to take off the infrared recharging assembly</p>		



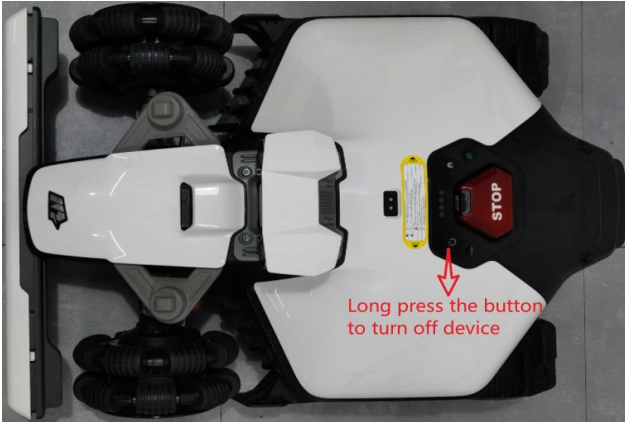

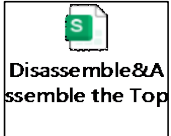

Assemble steps


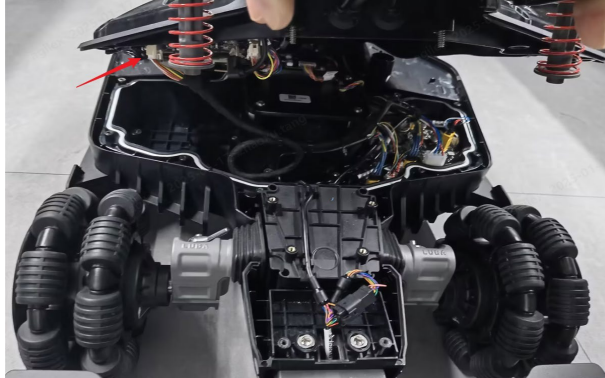

	Discription	Diagram	Tips
1	<p>Across the cables through the hole and connect the cables with the driverboard, then install the 2 marked screws to fix the infrared recharging assembly</p>		<p>Organize the cables to avoid pressing them when close the middle frame</p>

<p>2</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>3</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>4</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>5</p>	<p>Install the head trim cover and top white cover</p>		


Attached file

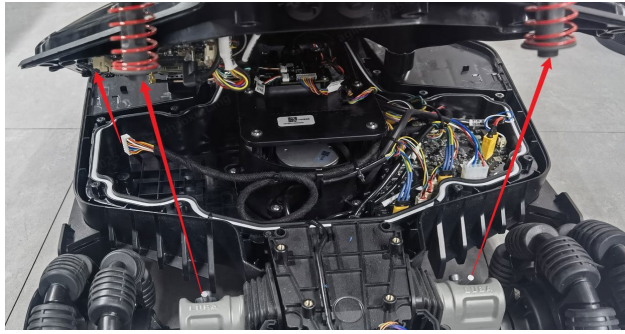

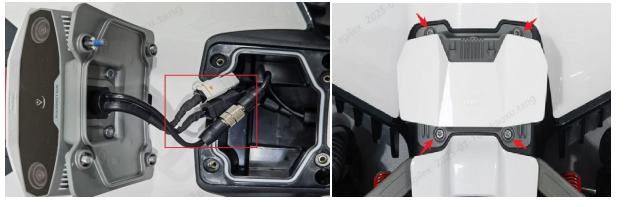
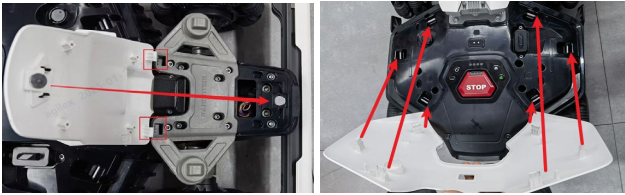
- 1 Exploded diagram
- 2 Instructions of the disassembly tool


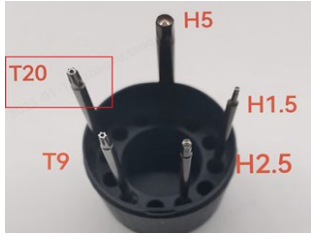

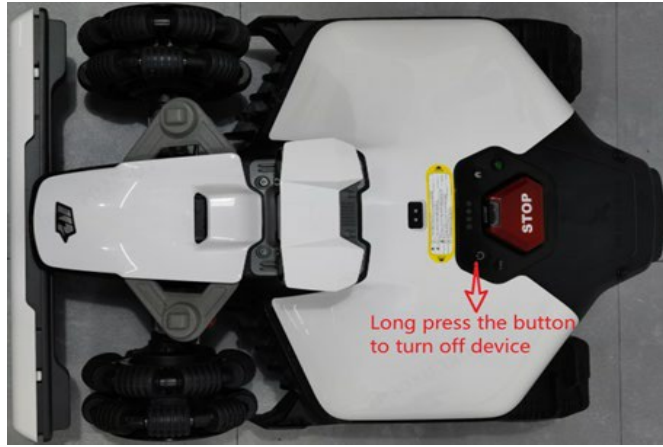



Basic Info			
Title	Disassemble&Assemble the Keypad	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover as the diagram		For more details please refer to the attached file 	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			




<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked connection port, please slowly lift up the middle frame</p>
	<p>a. Tear off the conductive fabric and remove the curing glue that marked with box, then disconnect all the cables on the keypad b. Remove the 8 screws that marked with arrow to take off the Keypad</p>		

Assemble steps



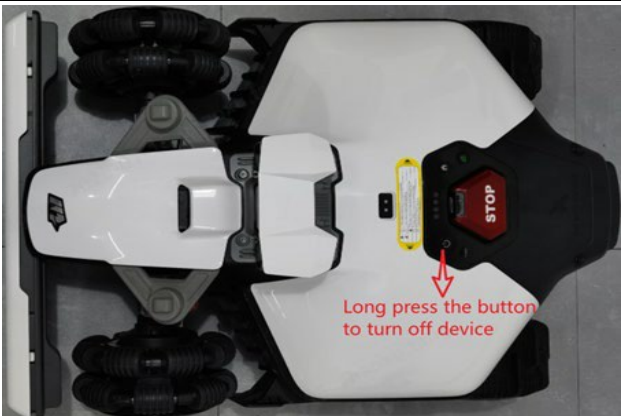



Discription	Diagram	Tips
<p>Install the 8 screws that marked with arrow to fix the Keypad and plug in all the cables on the keypad, then paste on the conductive fabric</p>		<p>Do not forget to apply the curing glue on the connection ports that marked with box</p>


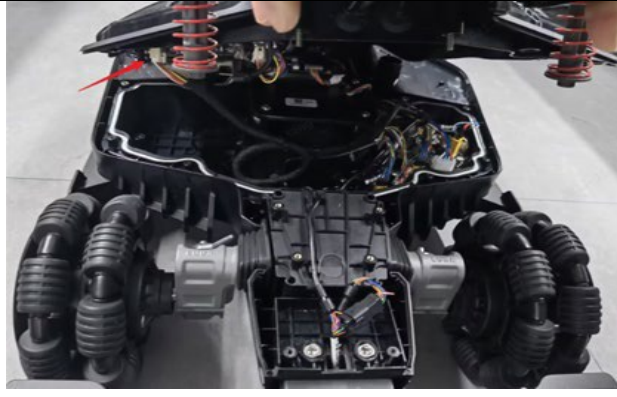
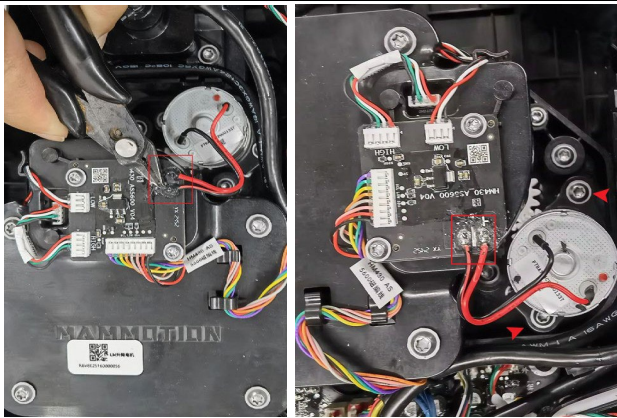
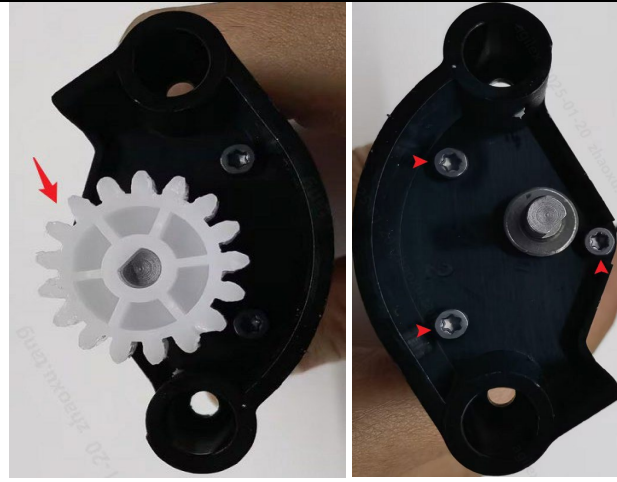
<p>1</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>3</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>3</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>4</p>	<p>Align the marked connection points to install the head trim cover and top white cover</p>		
<p>Attached file</p>			
<p>1</p>	<p>Exploded diagram</p>		
<p>2</p>	<p>Instructions of the disassembly tool</p>		


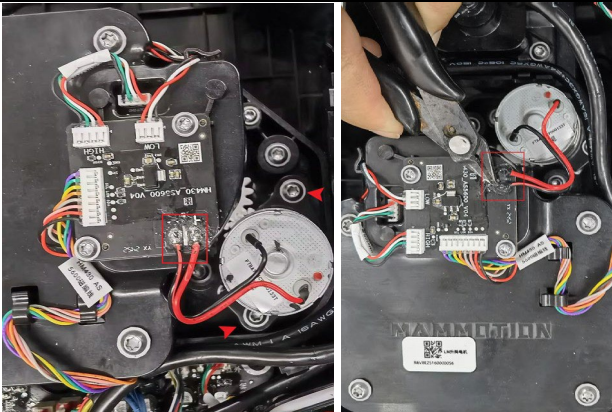
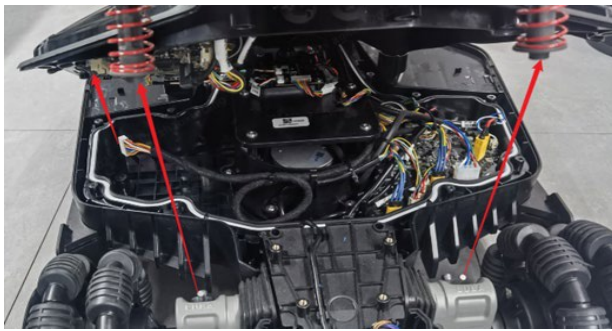


Basic Info			
Title	Disassemble&Assemble the Left LED Assembly	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver Diagonal Cutter			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover		For more details please refer to the attached file  Disassemble&Assemble the Top	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

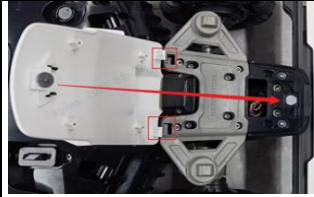

<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked socket, please slowly lift up the middle frame</p>
<p>6</p>	<p>Disconnect the left LED cable from from the keypad, push out the rubber stopper and cut off the 2 marked parts , then you can take off the whole left LED assembly</p>		
<p>Assemble steps</p>			
<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>	

<p>1</p>	<p>Press down the LED to fix it, then across the cable and rubber stopper through the hole, connect the LED cable with keypad</p>		<p>Don not forget to tighen the cable tie on the front end of rubber stopper.</p>
<p>2</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>3</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p></p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>4</p>	<p>Align the marked conenction points to install the head trim cover and top white cover</p>		

Basic Info			
Title	Disassemble&Assemble the Lifting Motor	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
1	Torx Hexagonal Screwdriver Diagonal Cutter Slodering Iron		
2			
3			
4			
Disassemble steps			
Discription	Diagram	Tips	
1		<p>Ensure the device is out of power when disassemble and assemble</p>	
2		<p>For more details please refer to the attached file</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  Disassemble&Assemble the Top </div>	
3			

4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
6	<p>a. Remove the marked black glue by diagonal cutter b. Remove the marked cables from the magnetic board by soldering iron and take off the lifting motor with the base.</p>		
7	<p>Pull out the white gear and remove the 3 marked screws to take off the lifting motor from the base.</p>		
<p>Assemble steps</p>			
	<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>

<p>1</p>	<p>Install the 3 marked screws to fix the lifting motor on the base and put on the white gear</p>		
<p>2</p>	<p>a. Install the marked 2 screws to fix the lifting motor and slodering the lifting motor cables on the magnetic board b. Apply the insulating glue on the slodered points</p>		
<p>3</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>4</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>5</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>







6	Align the marked connection points to install the head trim cover and top white cover			
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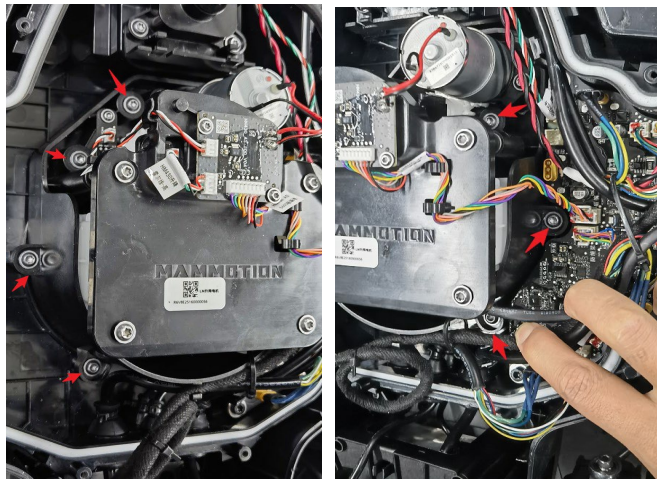
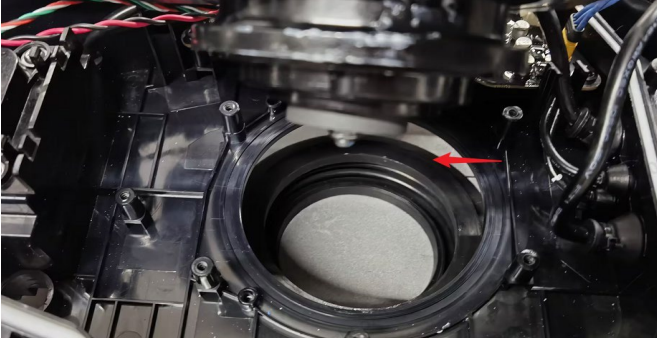
Basic Info				
Title	Disassemble&Assemble the Lifting Seal Silicone		Version	V1.0
Made by	Allen		Date	2025,1


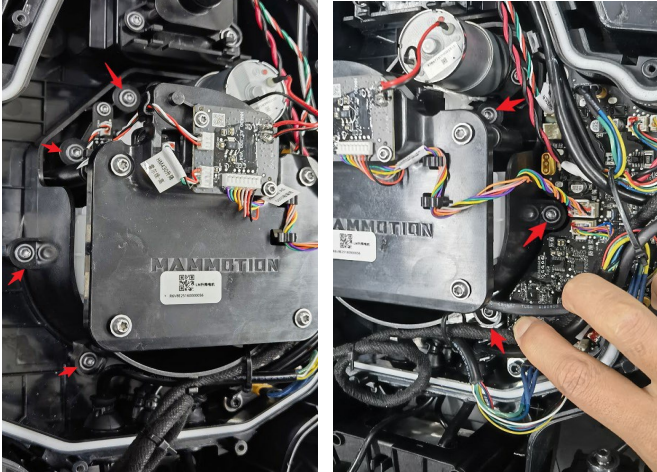
Tool list				
Torx Hexagonal Screwdriver Socket Wrench Caliper				

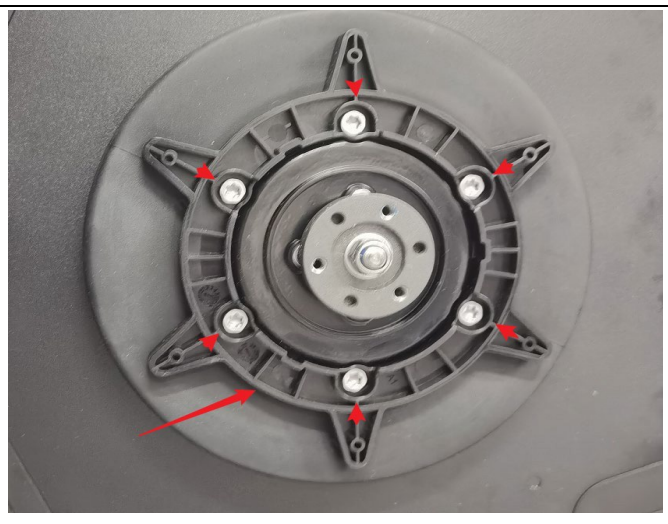

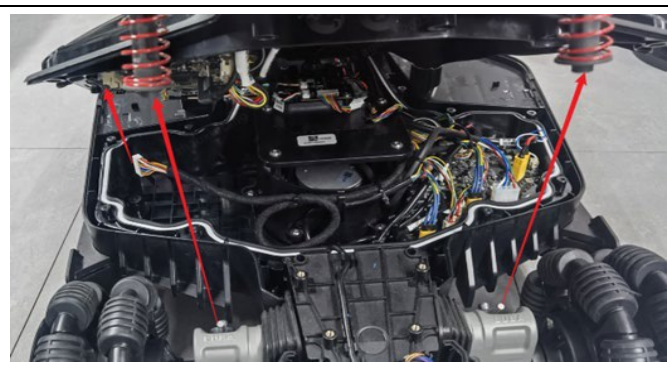

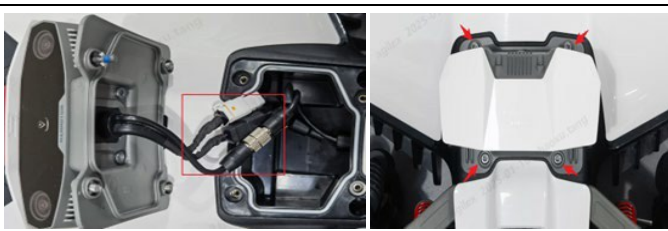
Disassemble steps

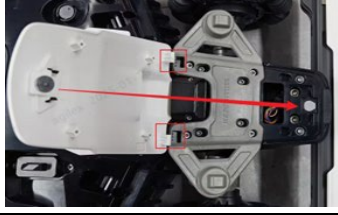

	Discription	Diagram	Tips
1	Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble
2	Turn over device and remove the marked 3 screws to take off the cutting disk		For avoiding the blades to cut your hand, please tightly hold the edge of cutting disk with your another hand.
3	Remove the marked 6 screws to take off the lifting Seal Silicone bracket		



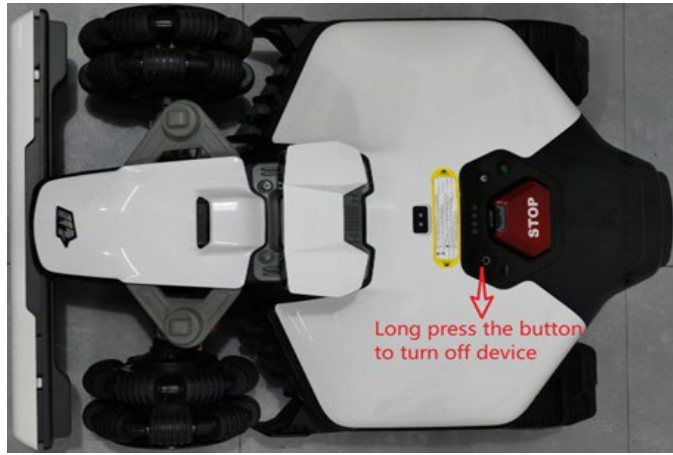


<p>4</p>	<p>Remove the head trim cover and top white cover as the diagram</p>	 	<p>For more details please refer to the attached file</p> <div data-bbox="1222 416 1390 555" style="border: 1px solid black; padding: 5px; text-align: center;"> Disassemble&Assemble the Top</div>
<p>5</p>	<p>Remove the marked 4 screws and disconnect the cables to take off the vision module</p>		
<p>6</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>7</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>



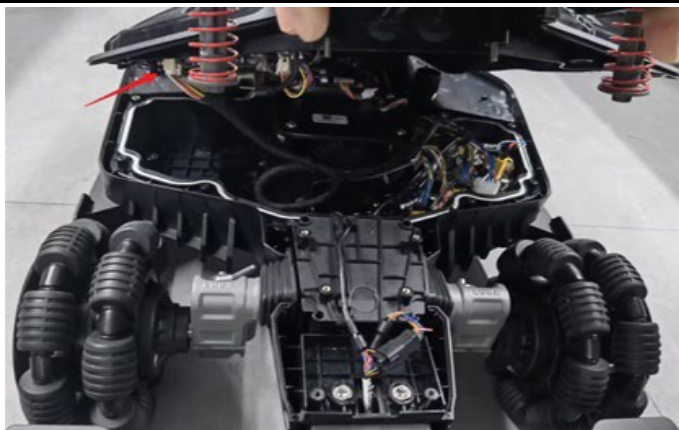
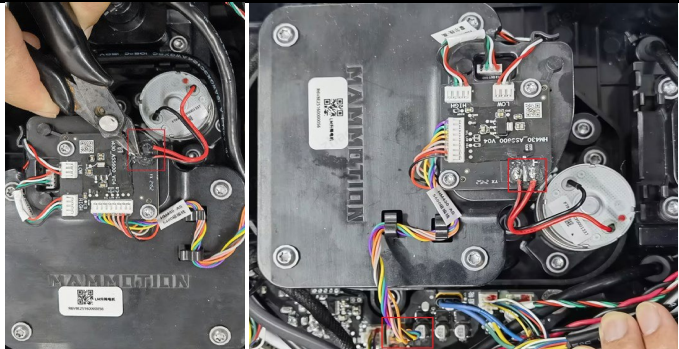
<p>8</p>	<p>Remove the marked 7 screws to take off the lifting rail mount</p>		
<p>9</p>	<p>Take off the Lifting Seal Silicone</p>		

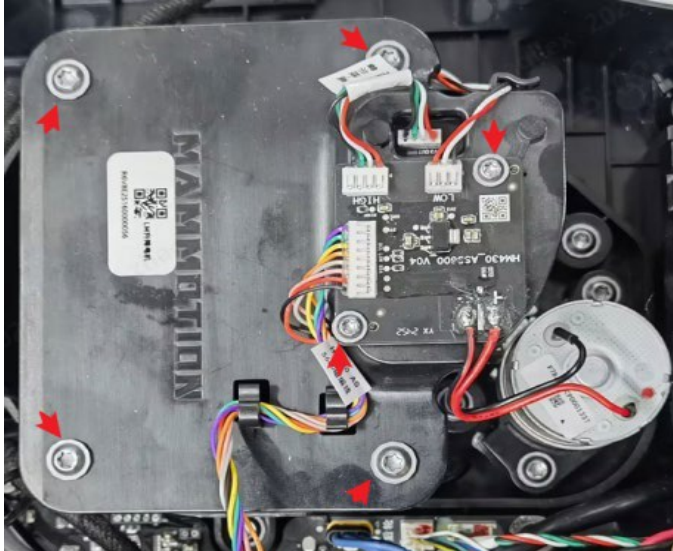
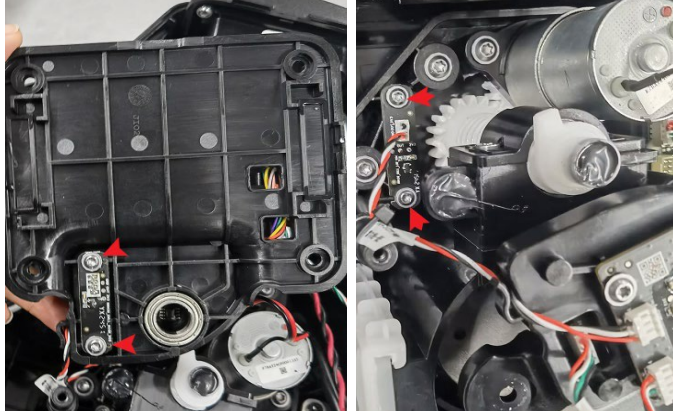
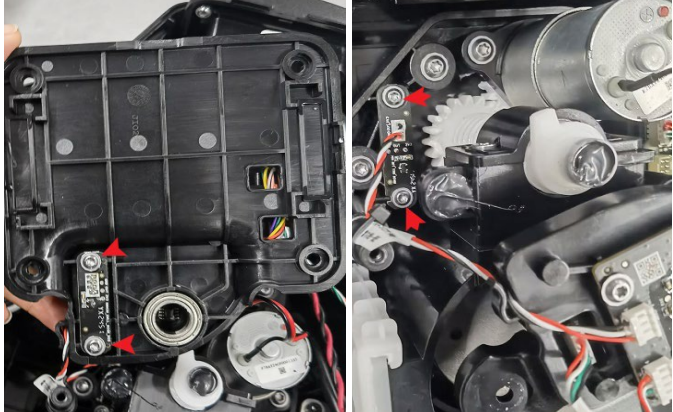
<p>Assemble steps</p>			
	<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>
<p>1</p>	<p>Put in the Lifting Seal Silicone</p>		
<p>2</p>	<p>install the 7 screws to fix the Lifting rail mount</p>		<p>To avoid pressing the cables by the middle frame, please do not forget to organize the cables</p>

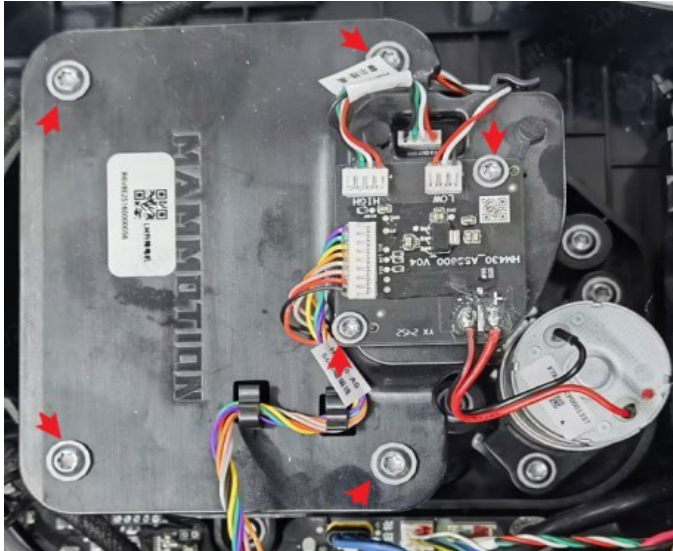
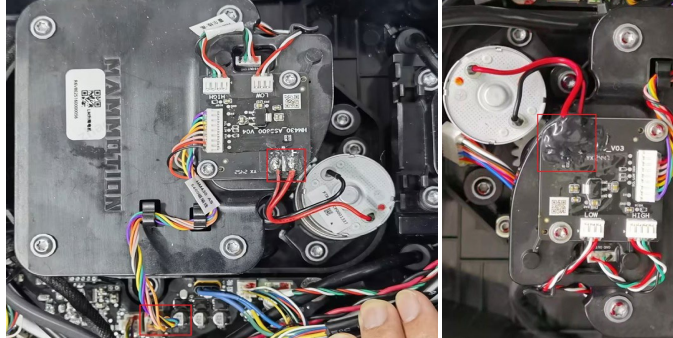


	<p>Install the marked 6 screws to fix the lifting Seal Silicone bracket</p>		
	<p>Install the marked 3 screws to fix the cutting disk</p>		
3	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before install the middle frame</p>
4	<p>Install the 20 screws to fix the middle frame</p>		
5	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>


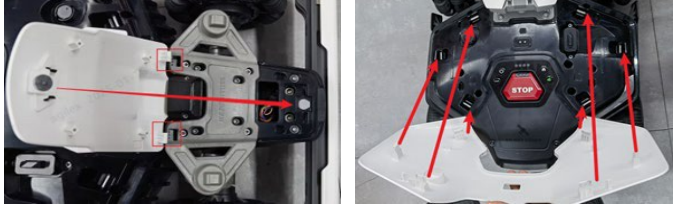
6	<p>Align the marked connection points to install the head trim cover and top white cover</p>			
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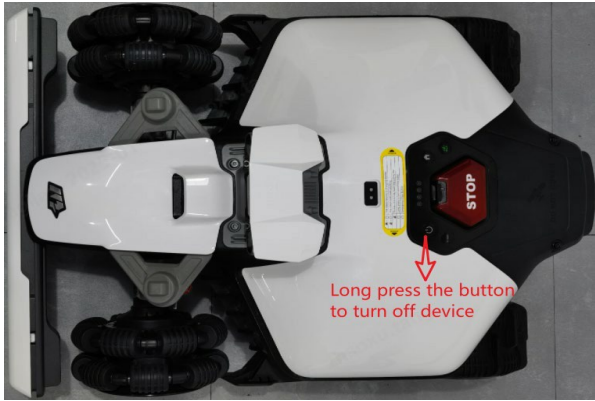



Basic Info			
Title	Disassemble&Assemble the Magnetic Encoding Board &Hall Plate Assembly	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
<p>Torx Hexagonal Screwdriver Diagonal Cutter Slodering Iron</p>			
Disassemble steps			
Discription	Diagram	Tips	
<p>1 Long press the power button to turn off the device</p>		<p>Ensure the device is out of power when disassemble and assemble</p>	
<p>2 Remove the head trim cover and top white cover as the diagram</p>		<p>For more details please refer to the attached file</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p>Disassemble&Assemble the Top</p> </div>	


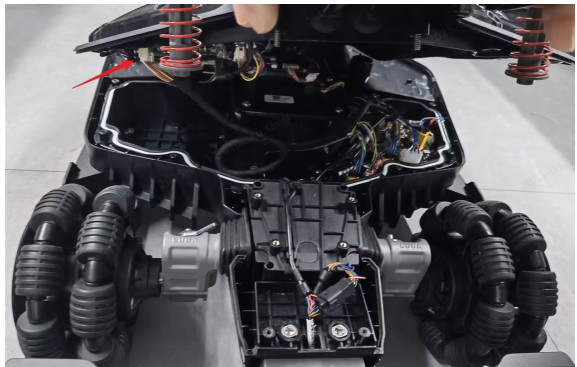
<p>3</p>	<p>Remove the marked 4 screws and disconnect the cables to take off the vision module</p>		
<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>6</p>	<p>a. Remove the marked black glue by diagonal cutter, take off the marked lifting motor cables from the magnetic board by soldering iron b. Unplug the magnetic encoding board cable from the driverboard and</p>		

<p>7</p>	<p>Remove the marked 6 screws and turn over the black cover</p>		
	<p>Remove the marked 4 screws to take off the the Magnetic Encoding Board&Hall Plate Assembly</p>		
<p>Assemble steps</p>			
	<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>
<p>1</p>	<p>Install the marked 4 screws to fix the 2 samll hall plates</p>		

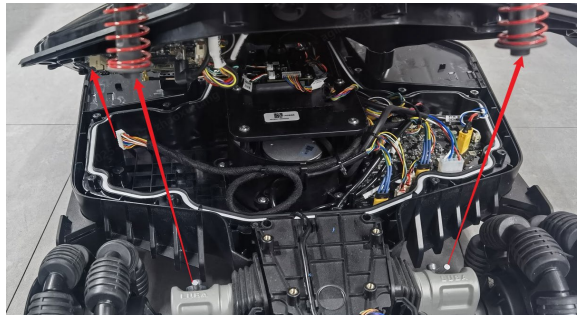


<p>2</p>	<p>Install the marked 6 screws to fix the black cover</p>		
<p>3</p>	<p>Slodering the lifting motor cables on the magnetic encoding board and apply the black insulating glue on the sloder points, then connect the magnetic encoding board cable with driverboard</p>		<p>To avoid pressing the cable when install the middle frame, please organize the cable</p>
<p>4</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>5</p>	<p>Install the 20 screws to fix the middle frame</p>		

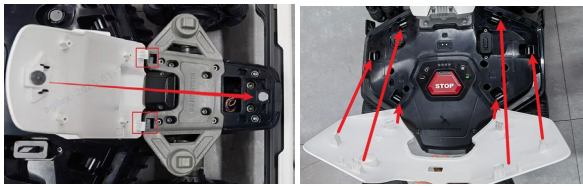
<p>6</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>7</p>	<p>Align the marked connection points to install the head trim cover and top white cover</p>		


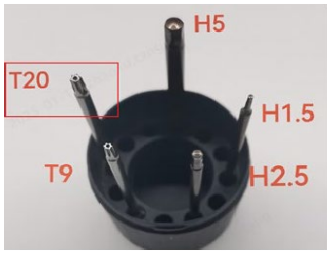

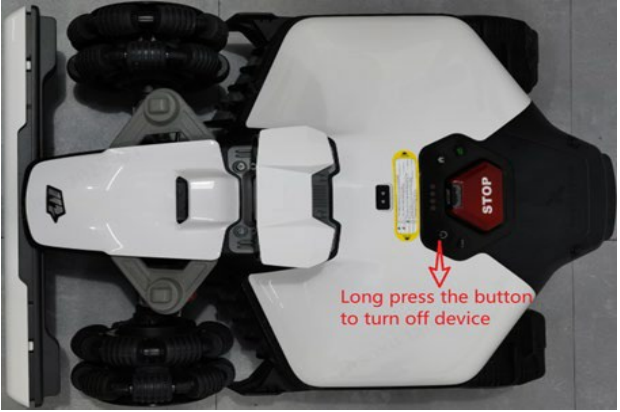



Basic Info			
Title	Disassemble&Assemble the Middle Frame	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		<p>Ensure the device is out of power when disassemble and assemble</p>	
2 Remove the head trim cover and top white cover as the diagram		<p>For more details please refer to the attached file</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  Disassemble & Assemble the Top </div>	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			


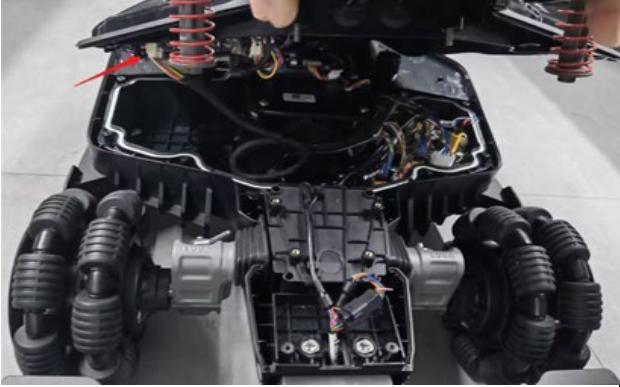
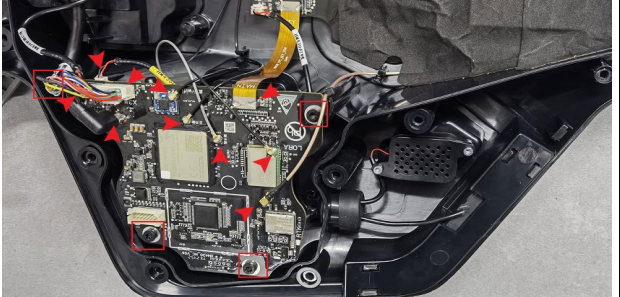
4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked connection port, please slowly lift up the middle frame</p>

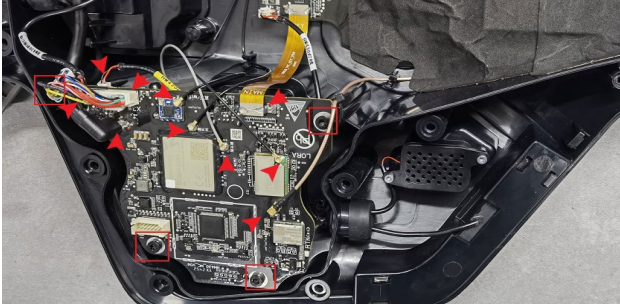

Assemble steps




	Discription	Diagram	Tips
1	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
3	<p>Install the 20 screws to fix the middle frame</p>		
3	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>



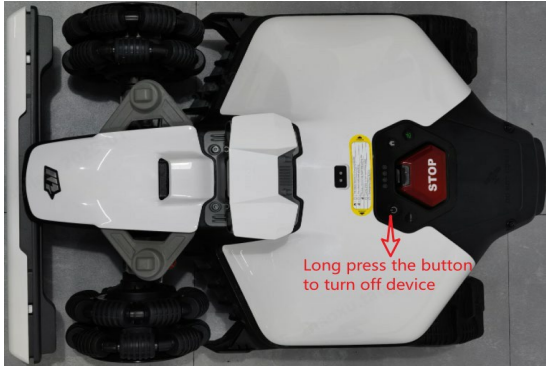



4	<p>Align the marked connection points to install the head trim cover and top white cover</p>		
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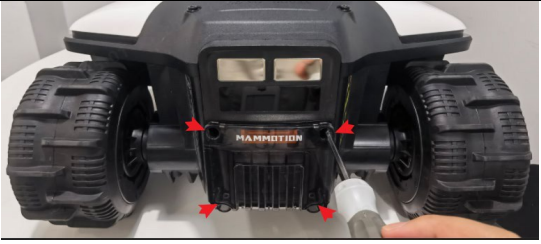
Basic Info			
			
Title	Disassemble&Assemble the Motherboard		Version V1.0
Made by	Allen	Date	2025,1
Tool list			
	Torx Hexagonal Screwdriver		
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover as the diagram		For more details please refer to the attached file 	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			



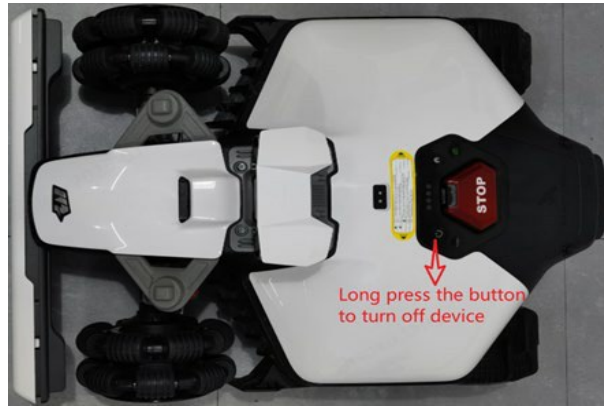
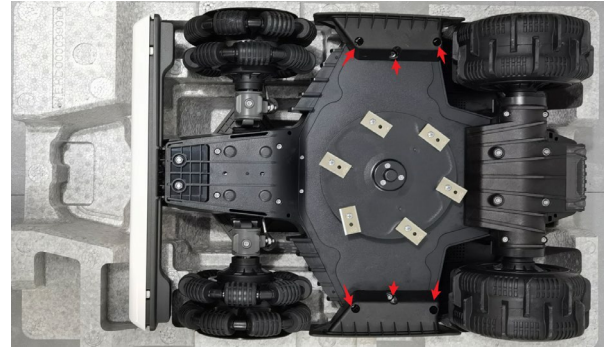
4	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
5	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
6	<p>Disconnect the marked 10 cables and remove the 4 marked screws to take off the motherboard</p>		<p>Please use the heat gun to heating the curing glue for 10 seconds at 150°C before disconnect the cables on the motherboard</p>

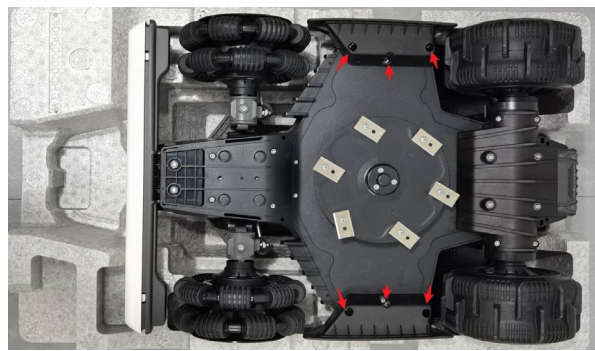
Assemble steps			
	Discription	Diagram	Tips
1	<p>Connect the marked 10 cables with motherboard and install the marked 4 screws to fix the motherboard</p>		<p>Please apply the curing glue on the connection ports to avoid the cable loosing</p>
2	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>

3	Install the 20 screws to fix the middle frame		
4	Connect the cables and install the 4 marked screws to fix the vision module		Please avoid pressing the cable when you install the screws
5	Align the marked connection points to install the head trim cover and top white cover		

Basic Info			
Title	Disassemble&Assemble the Battery	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
	Screw Driver (in accessory box)		
Discription	Diagram	Tips	
1	Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble
2	Use the screwdriver to remove the marked 4 screws, then you can take off the battery cover		
3	Press the orange button to take off the battery		
Assemble steps			
Discription	Diagram	Tips	
1	Push the battery inside till it's locked completely		when you hear a click sound, the battery is locked inside correctly.

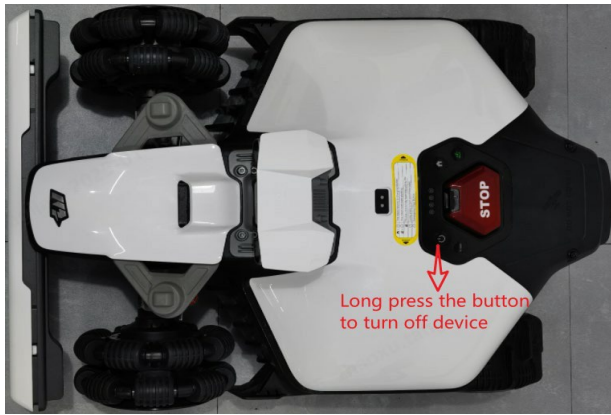

2	Install the marked 4 screws to fix the battery cover		
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Basic Info			
Title		Disassemble&Assemble the Chassis left/right Guard	Version V1.0
Made by		Allen	Date 2025,1
Tool list			
Torx Hexagonal Screwdriver		 	
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Turn the device up side down and remove the marked 6 screws to take off the chassis left/right guard		To avoid damaging the vision module,please put something under the device, the upper protection foam in the original box is a good choice	
Disassemble steps			
Discription	Diagram	Tips	

1	Install the marked 6 screws to fix the chassis left/right guard		
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Basic Info			
Title	Disassemble&assemble the Cutting Disk	Version	V1.0
Made by	Allen	Date	2025,1

Tool list	
Screw Driver (in accessory box)	

Disassemble steps			
No.	Discription	Diagram	Tips
1	Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble
2	Turn the device up side down		To avoid damaging the vision module, please put something under the device, the upper protection foam in the original box is a good choice,



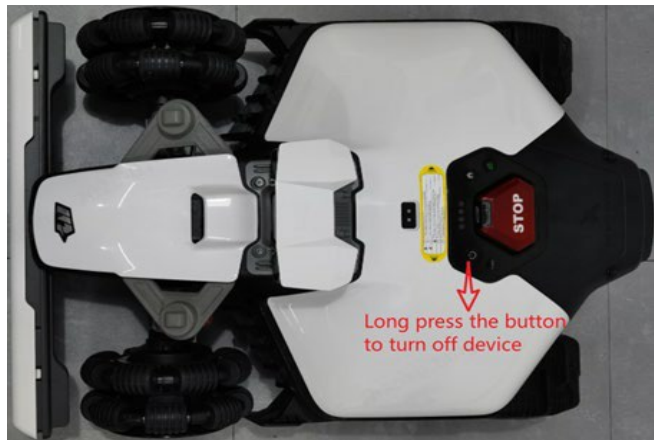

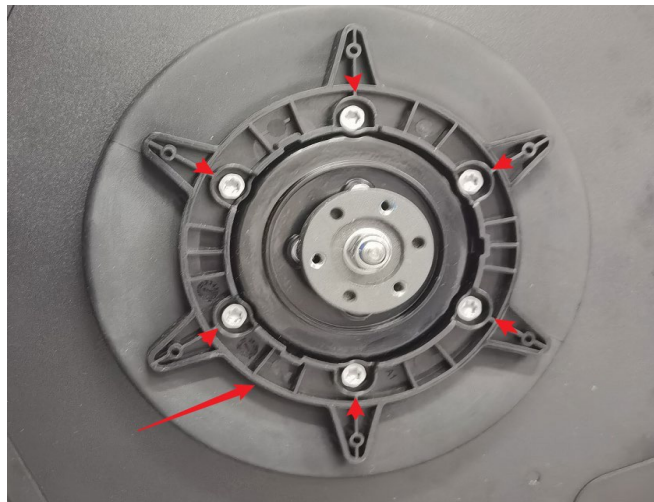
<p>3</p>	<p>Remove the marked 3 screws to take off the cutting disk</p>		<p>For avoiding the blades to cut your hand, please tightly hold the edge of cutting disk with your another hand.</p>
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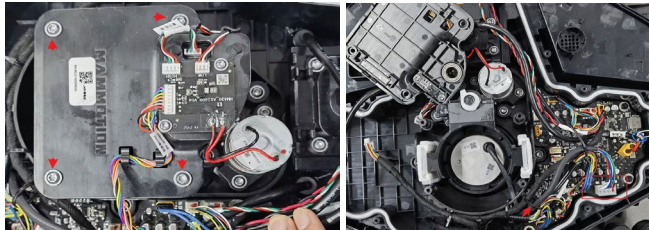
Assemble steps

	Discription	Diagram	Tips
<p>1</p>	<p>Use the screwdriver to tighten the marked 3 screws in the picture to fix the new cutting disk</p>		<p>For avoiding the blades to cut your hand, please tightly hold the edge of cutting disk with your another hand.</p>

Attached file

<p>1</p>	<p>Exploded diagram</p>
<p>2</p>	<p>Instructions of the disassembling tool</p>

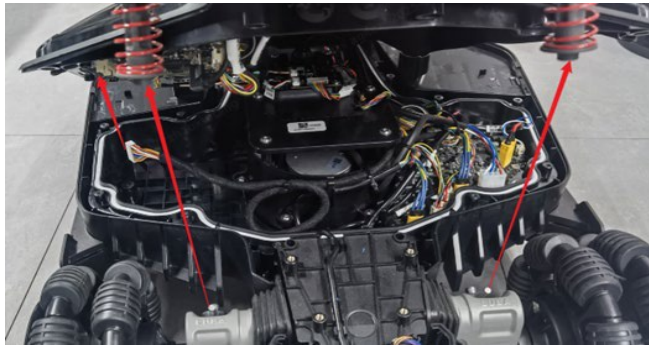


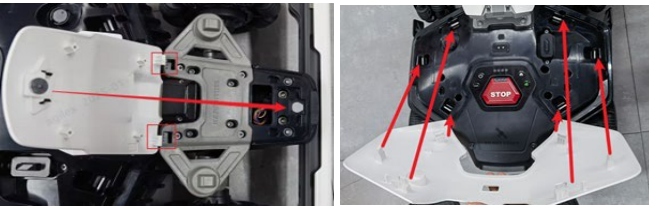
Basic Info				
Title	Disassemble&Assemble the Cutting Motor Assembly		Version	V1.0
Made by	Allen		Date	2025,1
Tool list				
Torx Hexagonal Screwdriver Socket Wrench Caliper				
Disassemble steps				
Discription	Diagram	Tips		
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble		
2 Turn over device and remove the marked 3 screws to take off the cutting disk		For avoiding the blades to cut your hand, please tightly hold the edge of cutting disk with your another hand.		
3 Remove the marked 6 screws to take off the lifting Seal Silicone bracket				






<p>4</p>	<p>Remove the head trim cover and top white cover as the diagram</p>		<p>For more details please refer to the attached file</p> <div data-bbox="1193 409 1356 539" style="border: 1px solid black; padding: 5px; text-align: center;">  Disassemble&A ssemble the Top </div>
<p>5</p>	<p>Remove the marked 4 screws and disconnect the cables to take off the vision module</p>		
<p>6</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>7</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>8</p>	<p>a. Remove the 4 marked screws and turn over the black cover b. Uplug the cutting motor from the driverboard and take off the cutting motor with the mounting base</p>		


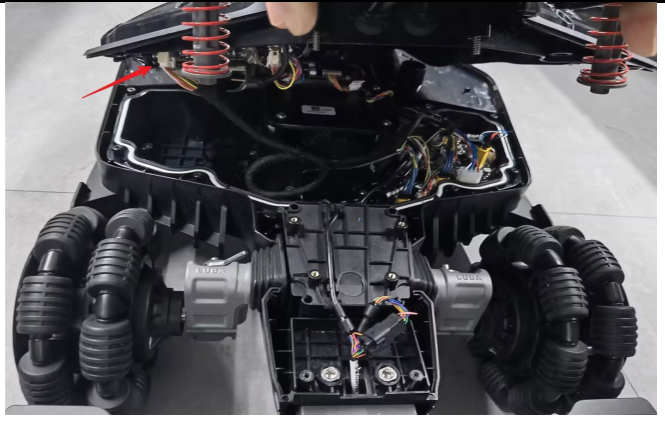
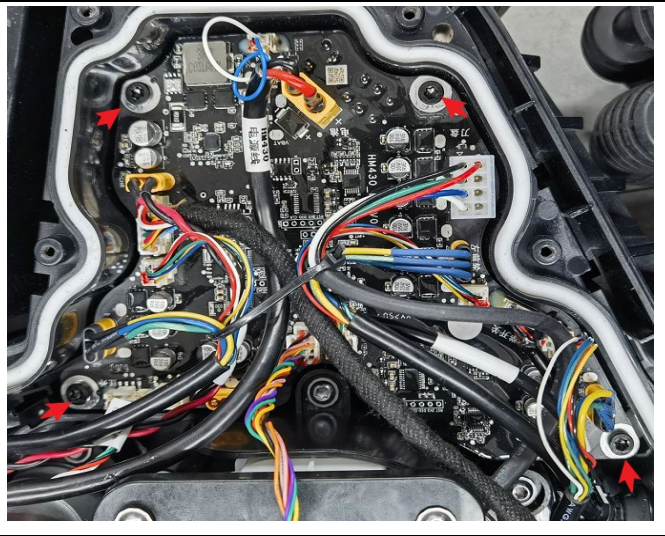
<p>9</p>	<p>a. Remove the nut to take off the cutting motor adapter bracket by the caliper and socket wrench b. Remove the marked 4 screws to take off the cutting motor assembly from the mounting base</p>		
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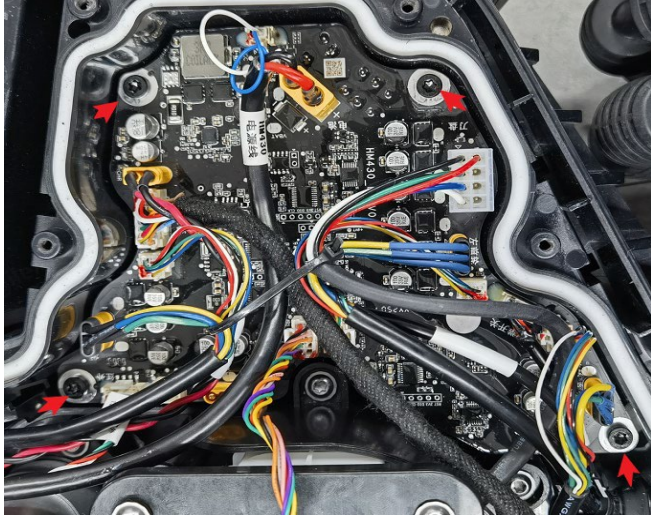
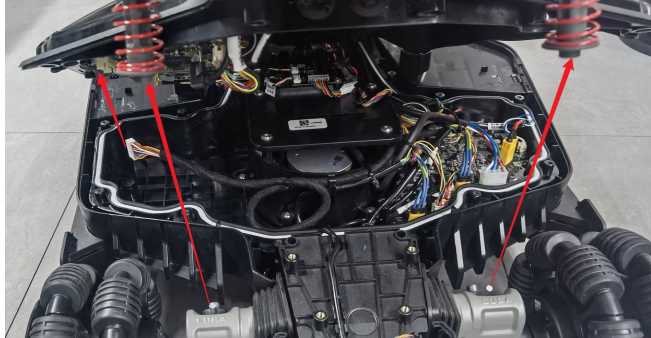


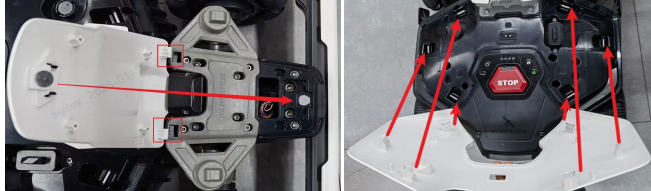
Assemble steps

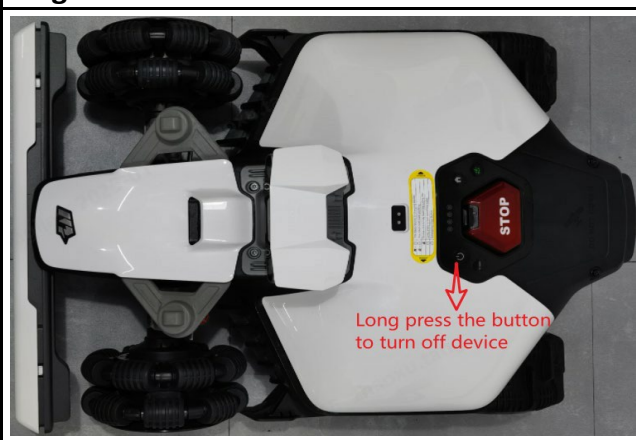
	Discription	Diagram	Tips
<p>1</p>	<p>a. Install the marked 4 screws to fix the cutting motor assembly with the mounting base b. Put on the cutting motor adapter bracket, then tighten the nut by the socket wrench and caliper</p>		
<p>2</p>	<p>a. put the cutting motor mount into the lifting rail mount, then cross the cable from the hole and connect it with driverboard b. Install the marked 4 screws to fix the cover</p>		<p>To avoid pressing the cables by the middle frame, please do not forget to organize the cables</p>
	<p>Install the marked 6 screws to fix the lifting Seal Silicone bracket</p>		
	<p>Install the marked 3 screws to fix the cutting disk</p>		


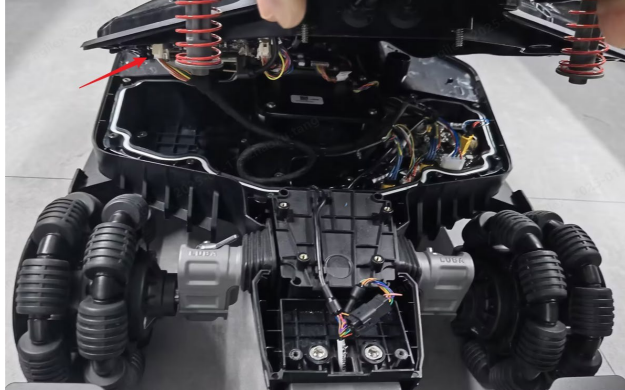

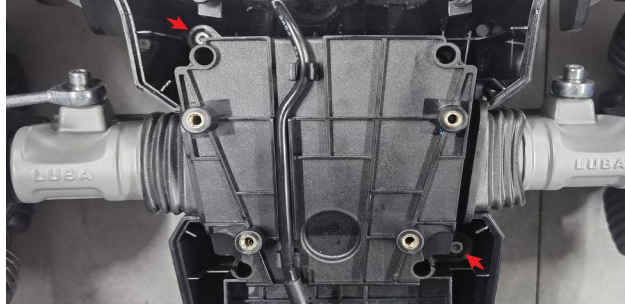
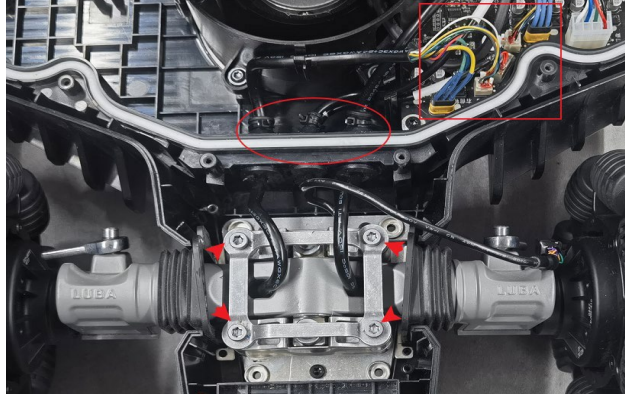
<p>3</p>	<p>Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before install the middle frame</p>
<p>4</p>	<p>Install the 20 screws to fix the middle frame</p>		
<p>5</p>	<p>Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>6</p>	<p>Align the marked connection points to install the head trim cover and top white cover</p>		


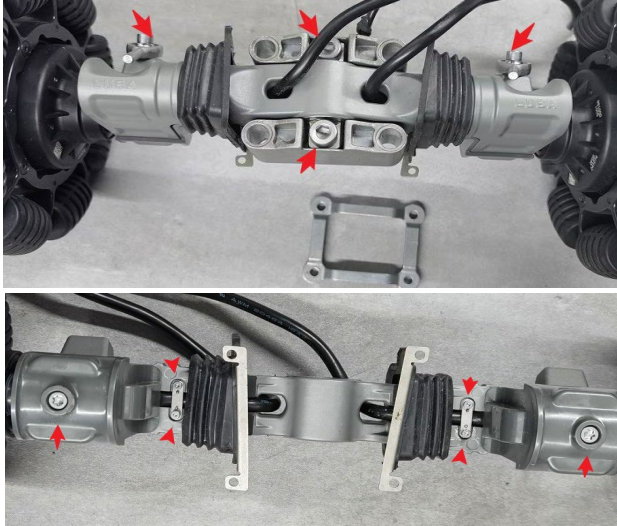
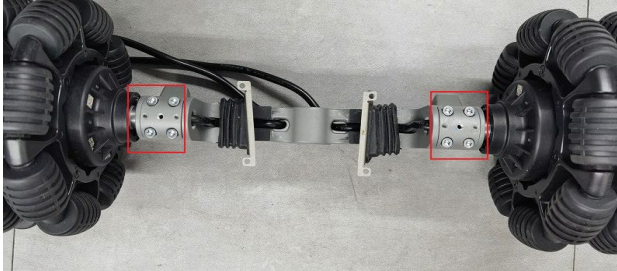
Basic Info			
Title	Disassemble&Assemble the Driverboard	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover as the diagram		For more details please refer to the attached file  Disassemble&Assemble the Top	
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>6</p>	<p>Unplug all the cables from the driverboard and remove the marked 4 screws to take off the driverboard</p>		
<p>Assemble steps</p>			
	<p>Discription</p>	<p>Diagram</p>	<p>Tips</p>

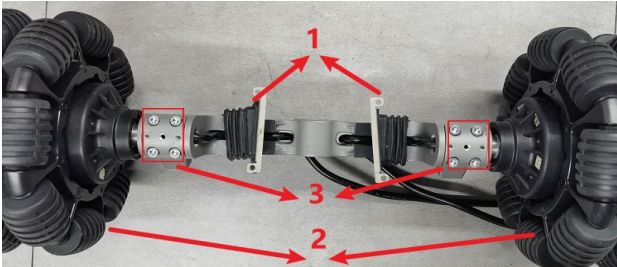
<p>Install the 4 marked screws to fix the driverboard and connect all the related cables with driverboard</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>1 Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs</p>		<p>Do not forget to insert the 2 metal rods into the red springs before tighten the screws</p>
<p>3 Install the 20 screws to fix the middle frame</p>		
<p>3 Connect the cables and install the 4 marked screws to fix the vision module</p>		<p>Please avoid pressing the cable when you install the screws</p>
<p>4 Align the marked connection points to install the head trim cover and top white cover</p>		

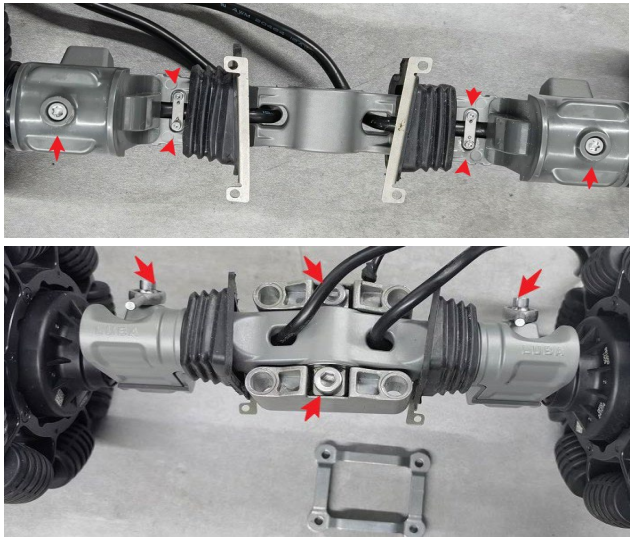

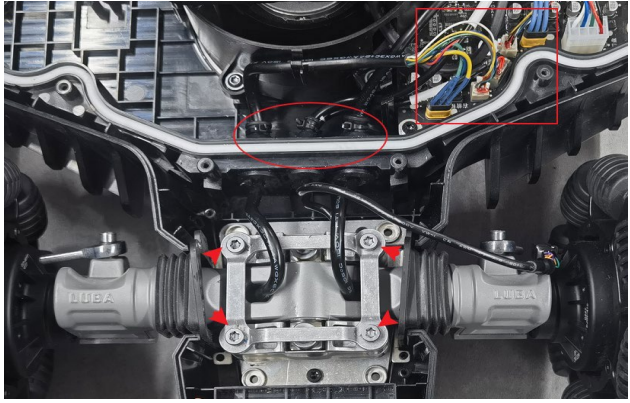
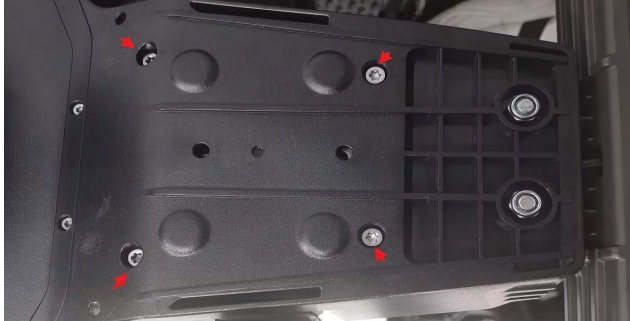
Basic Info			
Title	Disassemble&assemble the Front Axle	Version	V1.0
Made by	Allen	Date	2025,1
Tool list			
Torx Hexagonal Screwdriver Hole Expansion Pliers Diagonal Cutter			
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Remove the head trim cover and top white cover			
3 Remove the marked 4 screws and disconnect the cables to take off the vision module			

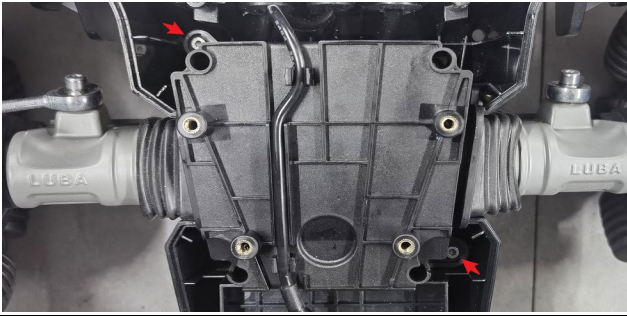
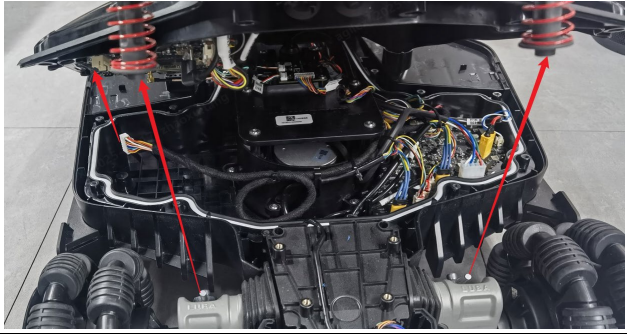


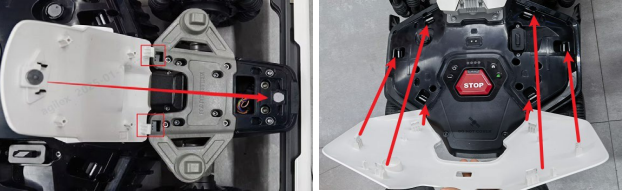
<p>4</p>	<p>Remove the marked 20 screws to release the connection between the middle frame and lower shell</p>		
<p>5</p>	<p>Lift up the middle frame and disconnect the marked cable, then you can take off the middle frame</p>		<p>To avoid damaging the marked cable, please slowly lift up the middle frame</p>
<p>6</p>	<p>Stand the device on its side and remove the marked 4 screws</p>		
<p>7</p>	<p>Remove the marked 2 screws to take off the Lifting Lower Bracket Mount</p>		
<p>8</p>	<p>Unplug the cables of 2 front hub motor and liftig sensor from the driverboard, then push out the rubber stoppers on the three cables and remove the marked 4 screws</p>		<p>If the 4 screws are too tighten to remove it, please use heat gun to heating the screws for 1 minutes at 200</p>




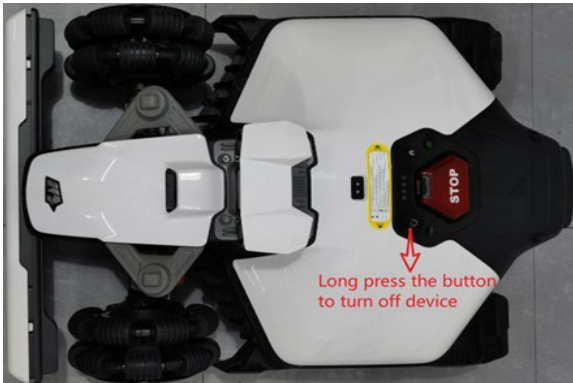

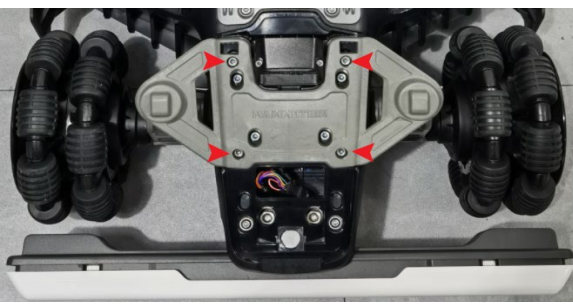
<p>9</p>	<p>Cut through the 2 rubber stoppers on the left/right hub motor cables to take off them</p>		
<p>10</p>	<p>Remove the marked 10 screws to take off the front axle with wheels</p>		
<p>11</p>	<p>Remove the 8 marked screws to take off the right/left wheels and sealing silicone, then the front axle will separated</p>		

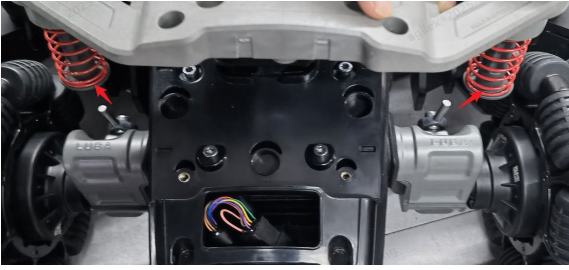

Assemble steps

	Discription	Diagram	Tips
<p>1</p>	<p>Firstly put on the left/right sealing silicone, then across the left/right hub motor cables through the axle, install the marked 8 screws to fix the wheels at last</p>		

<p>2</p> <p>Install the marked 10 screws to fix the left/right cable cover, crimp spacers and fisheye rod ends</p>		
<p>3</p> <p>Firstly cross the left/right hub motor cable through rubber stopper by the hole expansion pliers</p>		
<p>4</p> <p>Push in the rubber stoppers and connect the left/right motor cable and lifting sensor cable with driverboard</p>		<p>1, Do not forget to tighten the cable tie on the rubber stoppers 2. To avoid pressing the cable when install the middle frame, please organize the cables</p>
<p>5</p> <p>Stand the device on its side and install the marked 4 screws</p>		

6	Remove the marked 2 screws to fix the Lifting Lower Bracket Mount		
7	Connect the marked cable with motherboard and insert the 2 metal rods into the 2 red springs		Do not forget to insert the 2 metal rods into the red springs before tighten the screws
8	Install the 20 screws to fix the middle frame		
9	Connect the cables and install the 4 marked screws to fix the vision module		
10	Install the head trim cover and top white cover		

Basic Info			
			
Title	Disassemble&Assemble the Shock-absorbing Assembly		Version V1.0
Made by	Allen		Date 2025,1
Tool list			
Torx Hexagonal Screwdriver		 	
Disassemble steps			
Discription	Diagram	Tips	
1 Long press the power button to turn off the device		Ensure the device is out of power when disassemble and assemble	
2 Pull upward from the front side to take off the head trim cover			
3 Remove the marked 4 screws to take off the Shock-absorbing Assembly			
Assemble steps			
Discription	Diagram	Tips	

1	Insert the marked 2 metal rods into the red springs		Do not forget to insert the metal rods into the spring before install the screws
2	Install the screws to fix the Shock-absorbing Assembly		
3	Align the three connection points, then press down the head trim cover to fix it	