

Yuka Disassembly & Assembly SOP






Author: Leo

Version: 1.0 / Jan.22, 2025








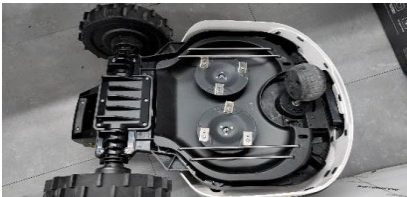
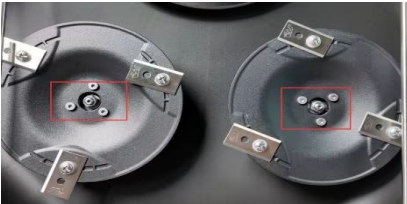


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Yuka Disassembly & Assembly SOP			
Module	Battery	Version	1.0
Author	Leo Xiang	Date	16-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H2.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Turn off robot and ensure key was removed.		...
2	Remove 6 pcs screws.		Hex socket, Machine screws; M4*12
3	Disconnect the cable connection.		...
4	Remove 2 pcs screws.		Hex socket, Self-tapping; M3*8







Assembly Steps			
	Operation	Diagram	Precautions
1	Re-connect the cable connection.		...
2	Put 2 screws back.		...
3	Put 6 screws back.		...
4	Put the key back.		...
5	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Cutting Disc & Fender	Version	1.0
Author	Leo Xiang	Date	21-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H2.5, H3)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Turn its upside down.		Ensure protection.
2	Remove 6 pcs screws.		1) Hold on this disc and take care your hands, allen key would be better. 2) Hex socket, Machine Screws; M4*8
3	Remove 6 pcs screws.		Hex socket, Machine Screws; M4*8
4	Remove 1pcs screw and cap.		Hex socket, Self-tapping Screws; M4.2*10





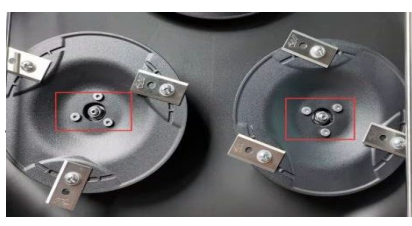


Disassembly Steps


	Operation	Diagram	Precautions
1	Remove sealant.		...
2	Remove sealant in another side.		...
3	Press this bar and push it up to release one end.		...
4	Turn this bar to right in 90 degrees and pull the another end out.		...
5	...	...	...
6	...	...	...





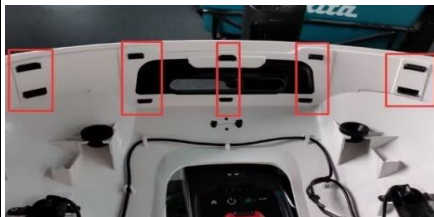


Assembly Steps

	Operation	Diagram	Precautions
1	Put the bar back.		...
2	Install the bar and apply sealant to both end to fix them.		1) To reverse that. 2) Normally wait 20 ~ 30 minutes for drying.
3	Put 1 pcs screw and cap back.		...
4	Put the fender and 6 pcs screws back.		...
5	Put cutting disc and 6 pcs screws back.		...

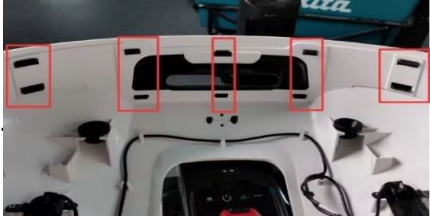
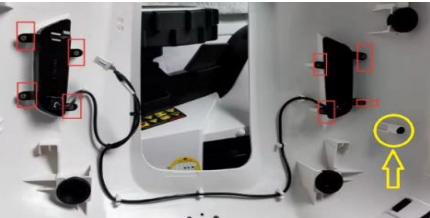


**Assembly Steps**





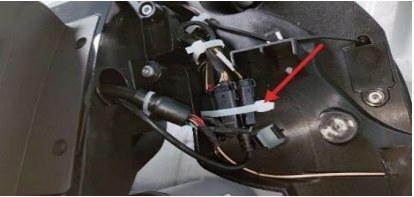
	Operation	Diagram	Precautions
1	Turn robot right side up.		...
2
3
4
5
6

Yuka Disassembly & Assembly SOP			
Module	Front shell module	Version	1.0
Author	Leo Xiang	Date	16-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H2.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Dismantle the front shell part.		There are 4 joints at 4 corners, please lift the edge to disconnect the joint structure connection.
2	Disconnect the cable connection.		...
3	Remove 8pcs screws to dismantle LED module.		Hex socket, Self-tapping screws; PB3*8
4	Loosen these buckles to dismantle Front 'anti-collision part'.		...



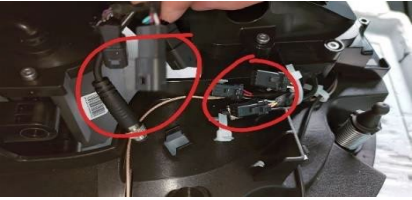


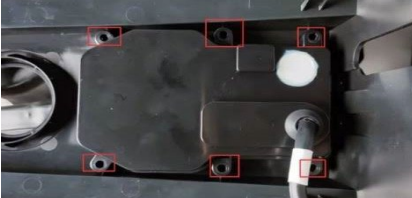


Assembly Steps

	Operation	Diagram	Precautions
1	Put the 'anti-collision part' back and hear clicking sounds.		...
2	Put LED module back and fix it by 8 pcs screws.		...
3	Re-connect front shell part with robot.		...
4	Pinpoint joints' location and press them down.		...
5	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Rear & Upper shell module	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

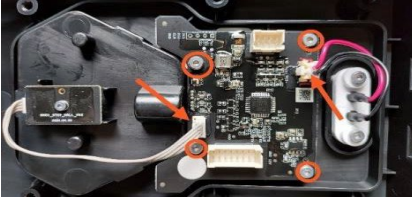



Disassembly Steps

	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Disconnect the cable connection.		...
4	Turn the whole upper shell module upside down, and remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*10
5	Disconnect the cable connection.		...
6	Disconnect the cable connection and remove the screw.		Hex Socket, Self-tapping; M2*5.5




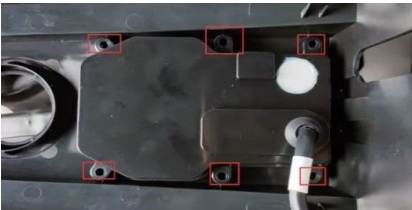



Disassembly Steps

	Operation	Diagram	Precautions
1	Disconnect the cable connection and remove 6 pcs screws.		Rain sensor was fixed by sealing glue. Hex Socket, Self-tapping; PB3*8
2	Press on both sides of the Stop Button to release it		...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...




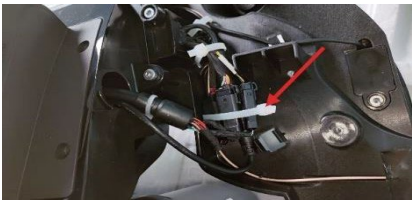




Assembly Steps

	Operation	Diagram	Precautions
1	Re-connect the cable connection and put 6 pcs screws back.		...
2	Re-connect the cable connection and put the screw back.		...
3	Re-connect the cable connection.		...
4	Put 6 pcs screws back and turn the whole upper shell module right side up.		...
5	Re-connect the cable connection.		...









Assembly Steps

	Operation	Diagram	Precautions
1	Press the Stop Button down.		...
2	Put 6 pcs screws back.		...
3	Re-connect the cable connection.		...
4	Bind cables by cable tie.		...
5	Put 4 pcs screws back.		...
6	Put the rear shell down and hear clicking sounds.		...



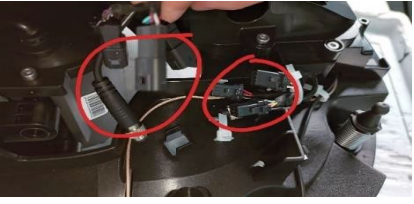

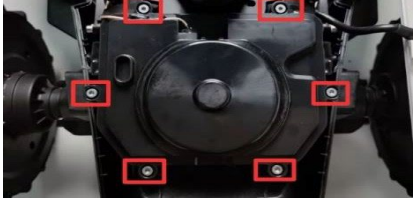



Assembly Steps

	Operation	Diagram	Precautions
1	Put 4 pcs screws back.		...
2
3
4
5
6

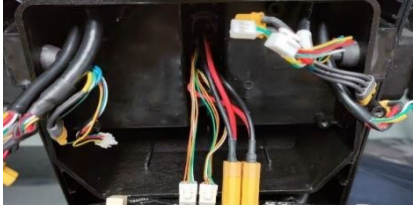
Yuka Disassembly & Assembly SOP			
Module	Drive Board	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...



Disassembly Steps

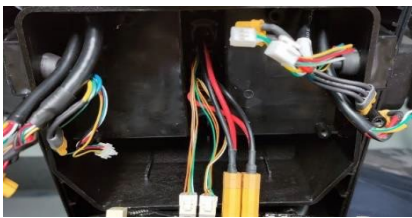



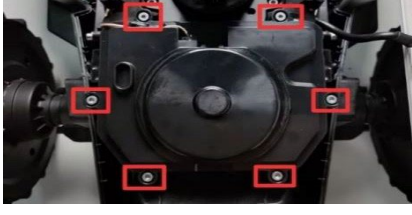
	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the GNSS antenna connection.		Please remove sealant from the contact.
5	Disconnect all cables.		Firstly pull out the power contact as the yellow one in image.
6	Remove 4 pcs screws and pull out the drive board.		Hex Socket, Self-tapping; M4.2*10

**Disassembly Steps**

	Operation	Diagram	Precautions
1	Disconnect the cable connection.	 A photograph showing a bundle of multi-colored cables (red, yellow, green, blue, black) connected to a black plastic component. Some cables are plugged into connectors, while others are loose.	...
2
3
4
5
6














Assembly Steps

	Operation	Diagram	Precautions
1	Re-connect the cable connection.		...
2	Put drive board and 4 pcs screws back.		...
3	Re-connect the cable connection.		...
4	Re-connect the GNSS antenna connection.		...
5	Put 6 pcs screws back.		...



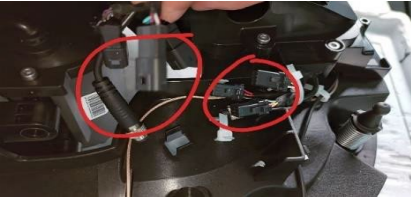

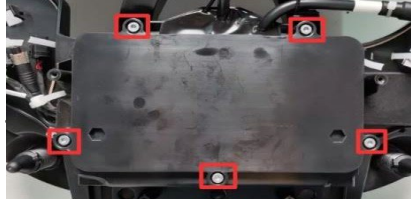



Assembly Steps

	Operation	Diagram	Precautions
1	Put 6 pcs screws back.		...
2	Re-connect the cable connection.		...
3	Bind cables by cable tie.		...
4	Put 4 pcs screws back.		...
5	Put the rear shell down and hear clicking sounds.		...
6	Put 4 pcs screws back.		...

Yuka Disassembly & Assembly SOP			
Module	Mainboard & 4G	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	UV Glue (P/N: F.J.JS.000014000) & UV Curing Lamp		
4	Heat Gun		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

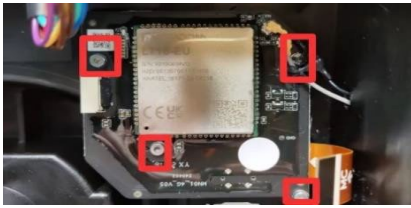
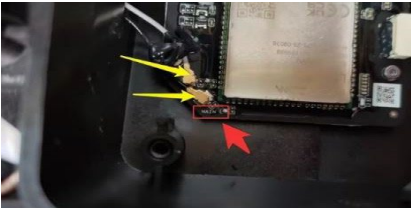


Disassembly Steps

	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Remove 5 pcs screws.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the cable connection and remove the screw.		Hex Socket, Self-tapping; PB3*8
5	Use heat gun to remove UV glue release the FPC cable.		Heat the UV glue in 150 degrees for 10 seconds, please ensure protection for other cables.
6	Disconnect all cables and remove 4 pcs screws.		...

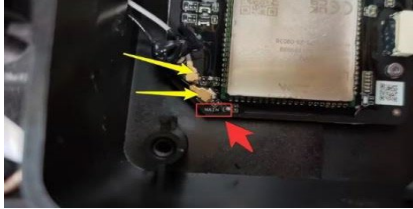






Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		...
2	Disconnect the antenna connection.		Two connection cables are from 4G main antenna & 4G aux antenna.
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...

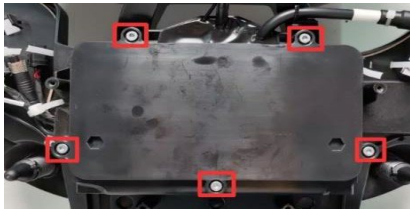


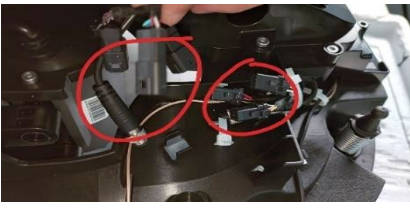




Assembly Steps

	Operation	Diagram	Precautions
1	Re-connect the antenna connection.		...
2	Put 4G board and 4 screws back.		...
3	Put mainboard and 4 screws back.		...
4	Re-connect the FPC and drop UV glue on its both sides. Re-connect other cables.		Use UV Curing Lamp to quickly harden glue.
5	Put the lift-hall board and screw back.		...









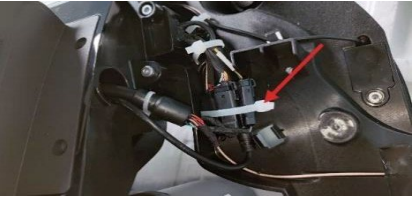
Assembly Steps

	Operation	Diagram	Precautions
1	Put cap and 5 pcs screws back.		...
2	Re-connect the cable connection.		...
3	Put 6 pcs screws back.		...
4	Re-connect the cable connection.		...
5	Bind cables by cable tie.		...
6	Put 4 pcs screws back.		...



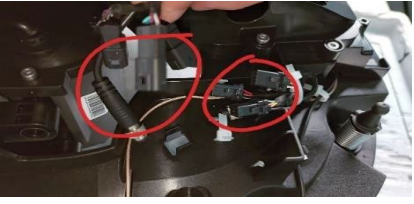


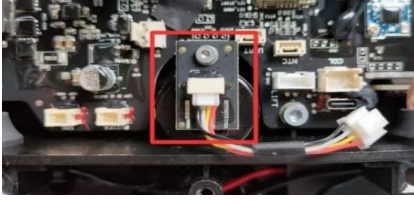


Assembly Steps

	Operation	Diagram	Precautions
1	Put the rear shell down and hear clicking sounds.		...
2	Put 4 pcs screws back.		...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Antenna	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	UV Glue (P/N: F.J.JS.000014000) & UV Curing Lamp		
4	Heat Gun & Sealant (P/N: F.100.SZ0657)		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

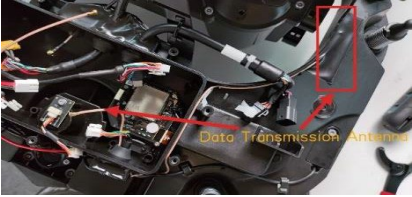
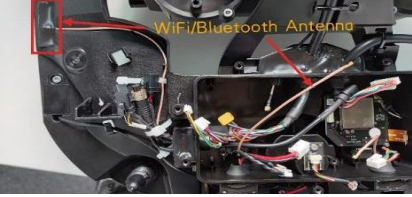
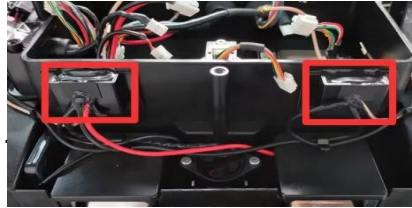


Disassembly Steps

	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Remove 5 pcs screws.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the cable connection and remove the screw.		Hex Socket, Self-tapping; PB3*8
5	Use heat gun to remove UV glue and release the FPC cable.		Heat the UV glue in 150 degrees for 10 seconds, please ensure protection for other cables.
6	Disconnect all cables and remove 4 pcs screws.		...

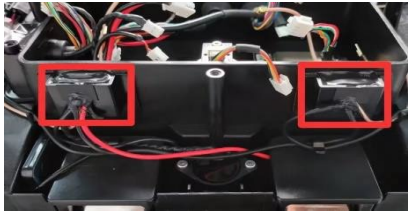
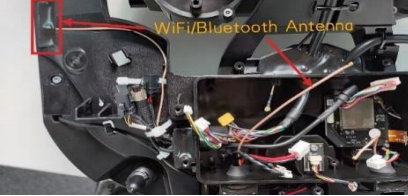





Disassembly Steps

	Operation	Diagram	Precautions
1	See 'Data Transmission Antenna (868/915MHz)' on the right. Carefully remove sealant on it.		...
2	See 'WIFI/BT Antenna (2.4G/5G)' on the left. Carefully remove sealant on it.		...
3	Remove sealant and mold, then pull antenna out.		...
4	...	...	...
5	...	...	...
6	...	...	...

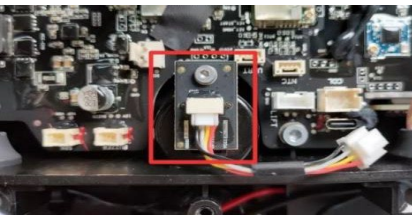
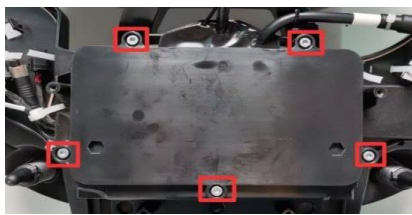


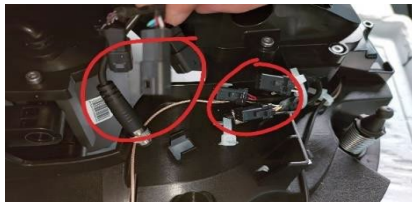
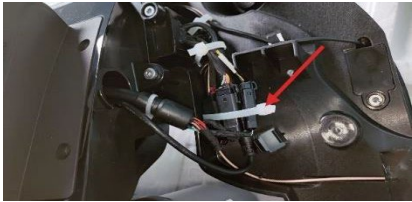


Assembly Steps

	Operation	Diagram	Precautions
1	Run antenna through mold and fix mold.		<p>1) New mold and related parts are recommended.</p> <p>2) Leave enough length of cable to connect with mainboard.</p> <p>3) Apply sealant, and Normally wait for 15 ~ 20 minutes to dry sealant.</p>
2	Put 'WiFi/BT Antenna (2.4G/5G)' on its groove and apply sealant.		Normally wait for 15 ~ 20 minutes to dry sealant.
3	Put 'Data Transmission Antenna (868/915MHz)' on its groove and apply sealant.		Normally wait for 15 ~ 20 minutes to dry sealant.
4	Put mainboard and 4 screws back.		...
5	Re-connect the FPC and drop UV glue on its both sides. Re-connect other cables.		Use UV Curing Lamp to quickly harden glue.










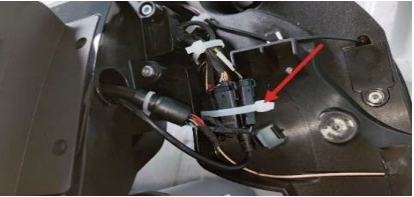
Assembly Steps

	Operation	Diagram	Precautions
1	Put the lift-hall board and screw back.		...
2	Put cap and 5 pcs screws back.		...
3	Re-connect the cable connection.		...
4	Put 6 pcs screws back.		...
5	Re-connect the cable connection.		...
6	Bind cables by cable tie.		...



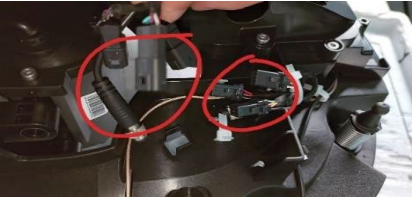





Assembly Steps

	Operation	Diagram	Precautions
1	Put 4 pcs screws back.		...
2	Put the rear shell down and hear clicking sounds.		...
3	Put 4 pcs screws back.		...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Collision Hall Module	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	UV Glue (P/N: F.J.JS.000014000) & UV Curing Lamp		
4	Heat Gun & Sealant (P/N: F.100.SZ0657)		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

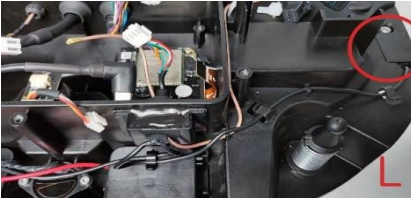

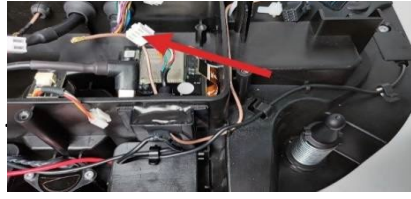


Disassembly Steps

	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Remove 5 pcs screws.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the cable connection and remove the screw.		Hex Socket, Self-tapping; PB3*8
5	Use heat gun to remove UV glue and release the FPC cable.		Heat the UV glue in 150 degrees for 10 seconds, please ensure protection for other cables.
6	Disconnect all cables and remove 4 pcs screws.		...


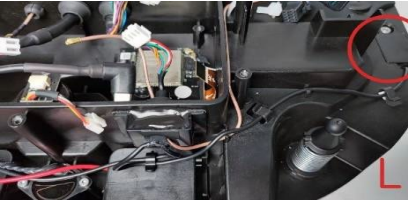





Disassembly Steps

	Operation	Diagram	Precautions
1	See 'Left Hall Sensor' on the right, and remove the screw.		...
2	See 'Right Hall Sensor' on the left, and remove the screw.		...
3	Remove mold and sealant, then pull its cable out.		...
4	...	...	...
5	...	...	...
6	...	...	...

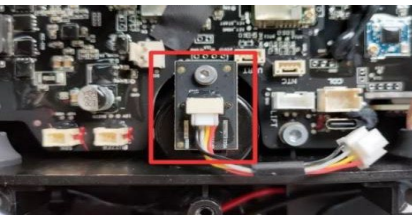
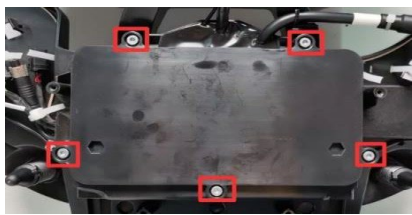


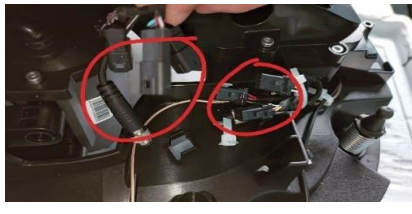



Assembly Steps

	Operation	Diagram	Precautions
1	Run antenna through mold and fix mold.		<p>1) New mold and related parts are recommended.</p> <p>2) Leave enough length of cable to connect with mainboard.</p> <p>3) Apply sealant, and Normally wait for 15 ~ 20 minutes to dry sealant.</p>
2	Put the 'Left Hall Sensor' into its groove and fix it by screw.		
3	Put the 'Right Hall Sensor' into its groove and fix it by screw.		
4	Put mainboard and 4 screws back.		...
5	Re-connect the FPC and drop UV glue on its both sides. Re-connect other cables.		<p>Use UV Curing Lamp to quickly harden glue.</p>











Assembly Steps

	Operation	Diagram	Precautions
1	Put the lift-hall board and screw back.		...
2	Put cap and 5 pcs screws back.		...
3	Re-connect the cable connection.		...
4	Put 6 pcs screws back.		...
5	Re-connect the cable connection.		...
6	Bind cables by cable tie.		...



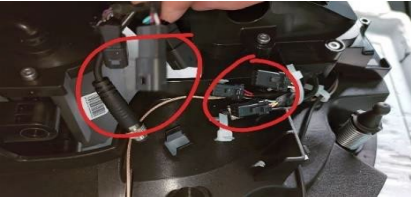

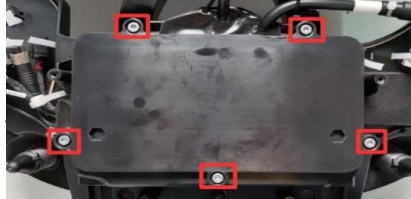



Assembly Steps

	Operation	Diagram	Precautions
1	Put 4 pcs screws back.		...
2	Put the rear shell down and hear clicking sounds.		...
3	Put 4 pcs screws back.		...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Buzzer & Speaker	Version	1.0
Author	Leo Xiang	Date	17-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2, H1.5)		
3	UV Glue (P/N: F.J.JS.000014000) & UV Curing Lamp		
4	Heat Gun & Sealant (P/N: F.100.SZ0657)		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

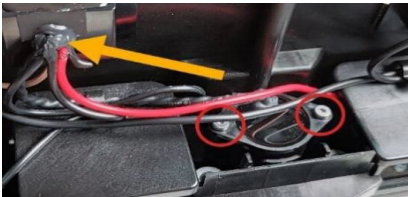




Disassembly Steps

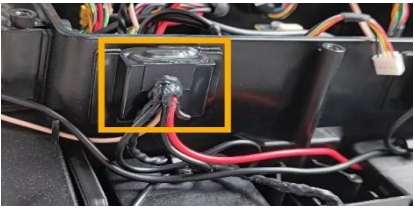




	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Remove 5 pcs screws.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the cable connection and remove the screw.		Hex Socket, Self-tapping; PB3*8
5	Use heat gun to remove UV glue and release the FPC cable.		Heat the UV glue in 150 degrees for 10 seconds, please ensure protection for other cables.
6	Disconnect all cables and remove 4 pcs screws.		...



Disassembly Steps

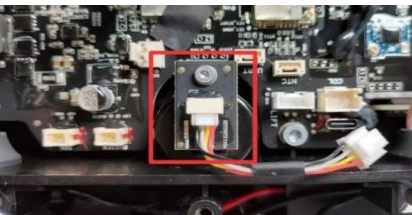
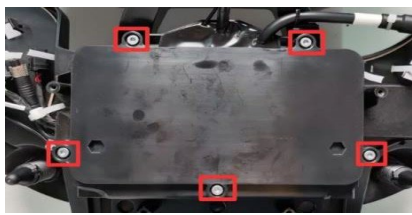




	Operation	Diagram	Precautions
1	Remove 2 pcs screws and pull the buzzer out.		Hex Socket, Self-tapping; PB3*8
2	Pull out the speaker.		...
3	Remove sealant and mold, then pull out its cable.		...
4	...	...	...
5	...	...	...
6	...	...	...



Assembly Steps			
	Operation	Diagram	Precautions
1	Run antenna through mold and fix mold.		1) New mold and related parts are recommended. 2) Leave enough length of cable to connect with mainboard. 3) Apply sealant, and Normally wait for 15 ~ 20 minutes to dry sealant.
2	Put the speaker back.		
3	Put the speaker and 2 screws back.		
4	Put mainboard and 4 screws back.		...
5	Re-connect the FPC and drop UV glue on its both sides. Re-connect other cables.		Use UV Curing Lamp to quickly harden glue.










Assembly Steps

	Operation	Diagram	Precautions
1	Put the lift-hall board and screw back.		...
2	Put cap and 5 pcs screws back.		...
3	Re-connect the cable connection.		...
4	Put 6 pcs screws back.		...
5	Re-connect the cable connection.		...
6	Bind cables by cable tie.		...





Assembly Steps

	Operation	Diagram	Precautions
1	Put 4 pcs screws back.		...
2	Put the rear shell down and hear clicking sounds.		...
3	Put 4 pcs screws back.		...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP				
Module	Front Wheel	Version	1.0	
Author	Leo Xiang	Date	17-Jan-25	
Tools				
1	/			
2	/			
3	/			
4	/			
Disassembly Steps				
	Operation	Diagram	Precautions	
1	Lift the front.		...	
2	Press 2 buckles and shake the front wheel to pull out.		...	
3	...		...	
4	...	...	...



Assembly Steps


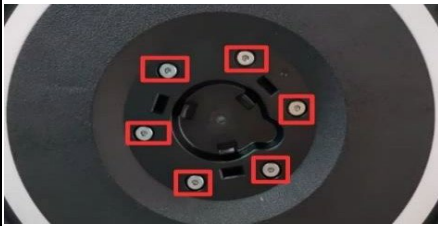

	Operation	Diagram	Precautions
1	Press the front wheel into socket.		...
2	Put robot down on the ground.		...
3
4
5

Yuka Disassembly & Assembly SOP	
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Module	Rear Wheel	Version	1.0
Author	Leo Xiang	Date	20-Jan-25

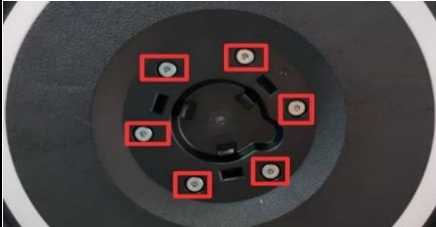

Tools	
1	Allen Key or Electric Screwdriver (5N-m)
2	Screwdriver Bit (H2.5)
3	/
4	/






Disassembly Steps







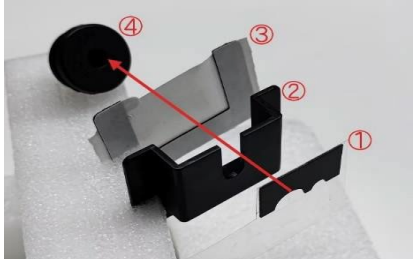
	Operation	Diagram	Precautions
1	Remove the cap.		...
2	Remove 6 pcs screws.		...
3	Pull out the whole rear wheel.		...
4	...	...	...



Assembly Steps

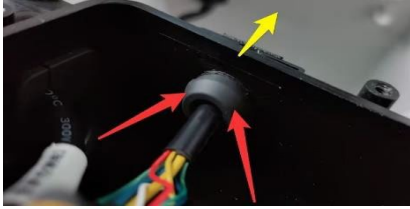



	Operation	Diagram	Precautions
1	Put the rear wheel and 6 pcs screws back.		...
2	Put the cap back.		...
3	...	...	...
4	...	...	...
5	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Geared Hub Motor	Version	1.0
Author	Leo Xiang	Date	20-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2.5, H2, H1.5)		
3	Cutter Knife & Hole Expander		
4	Kafuter Sealant (F.100.SZ0657)		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Dismantle the rear shell.		There are 6 buckles, please pull them up.
3	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
4	Cut the cable tie.		...

			
Disassembly Steps			
	Operation	Diagram	Precautions
1	Disconnect the cable connection.		...
2	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	1) Remove 6 pcs screws and sealing cap. 2) Disconnect the cable of geared hub motor.		Hex Socket, Self-tapping; M4.2*10
4	Disconnect the GNSS antenna connection.		...
5	1) Use 'Cutter Knife' along the mold's side to remove whole mold. 2) Remove sealant.		There are 3 items below. 1) Mold-3. 2) Mold_3-Sticker. 3) Glue blocking sticker.
6	See at right image.		There are 4 items below. 1) Glue blocking sticker. 2) Mold-3. 3) Mold_3-Sticker. 4) Cabel sleeve.




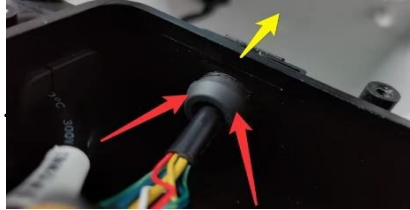
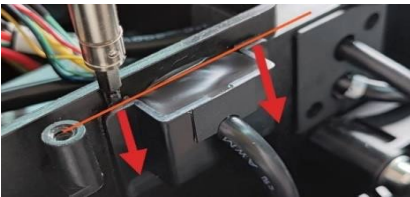


Disassembly Steps

	Operation	Diagram	Precautions
1	Pull cable sleeve and cable out.		...
2	Use 'Hole Expander' to take the cable out.		...
3	Remove 2 pcs screws and the cap.		Hex Socket, Machine Screw; M4x12
4	Pull the whole geared hub motor out.		...
5	...	...	...
6	...	...	...


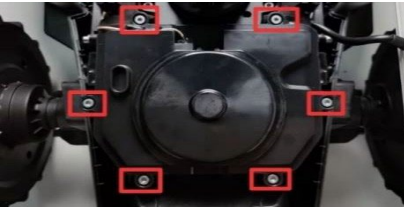

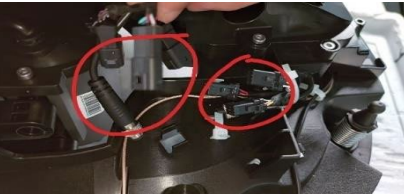




Assembly Steps

	Operation	Diagram	Precautions
1	Run a new geared hub motor through bracket.		...
2	Put 2 pcs screws and fix the cap.		...
3	Use 'Hole Expander' to run the cable through the hole.		...
4	Run cable sleeve through the hole.		Reverse that refer to image.
5	1) Paste mold and apply sealant.		1) Using new parts is recommended. 2) Reverse that refer to image. 3) Normally wait 20 ~ 30 minutes for drying.







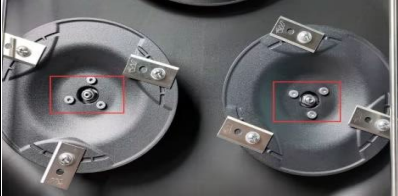


Assembly Steps

	Operation	Diagram	Precautions
1	Re-connect the GNSS antenna connection.		...
2	Put 6 pcs screws back.		...
3	Put 6 pcs screws back.		...
4	Re-connect the cable connection.		...
5	Bind cables by cable tie.		...
6	Put 4 pcs screws back.		...



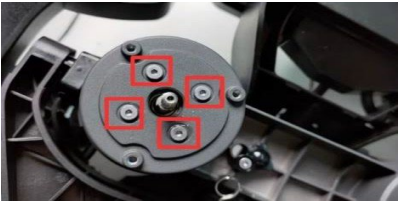





Assembly Steps

	Operation	Diagram	Precautions
1	Put the rear shell down and hear clicking sounds.		...
2	Put 4 pcs screws back.		...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Cutting Motor	Version	1.0
Author	Leo Xiang	Date	16-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2.5)		
3	Circlip Plier & Outer Hex Socket Spanner (10mm)		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Turn its upside down.		Ensure protection.
2	Remove 6 pcs screws.		Hold on this disc and take care your hands, allen key would be better. Hex socket, Machine screws; M4*8
3	Remove 6 pcs screws.		Hex socket, Machine screws; M4*8
4	Use circlip plier and outer hex socket spanner to remove the 'Cutting Disc Adapter Bracket'.		Spanner: 10mm




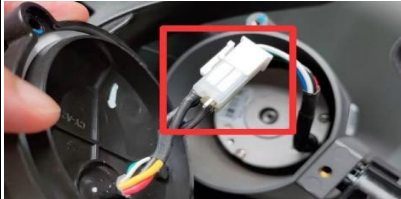


Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 4 pcs screws, then turn robot right side up.		Hex Socket, Machine Screw; M4*8
2	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Dismantle the rear shell.		There are 6 buckles, please pull them up.
4	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
5	Cut the cable tie.		...
6	Disconnect the cable connection.		...

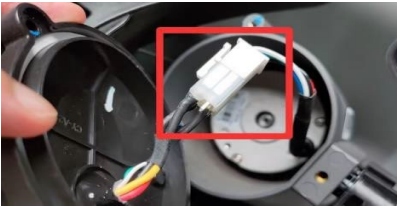






Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Disconnect the cable connection.		...
3	Remove 3 pcs screws and sealing cap.		Hex Socket, Machine Screw; M4*16
4	Disconnect the cable connection and pull the cutting motor out.		...
5	...	...	...
6	...	...	...

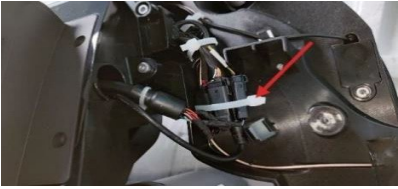



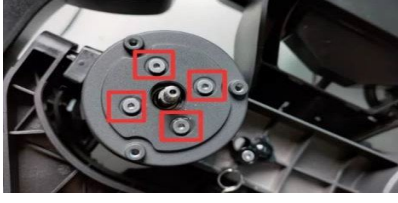



Assembly Steps

	Operation	Diagram	Precautions
1	Re-connect and put cutting motor inside bracket.		<p>1) Carefully align with the hole position for installing screws. 2) Install 1 or 2 pcs to fix motor is recommended.</p>
2	Put 3 pcs screws and cap back.		...
3	Re-connect the cable connection.		...
4	Put 6 pcs screws and upper shell model back.		...
5	Re-connect the cable connection.		...


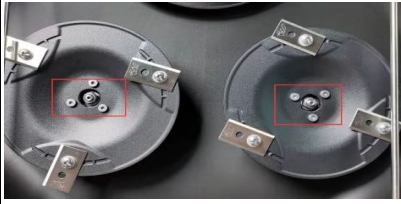




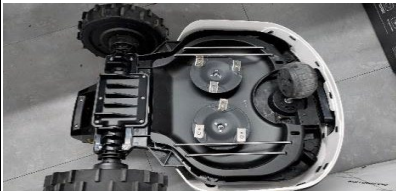
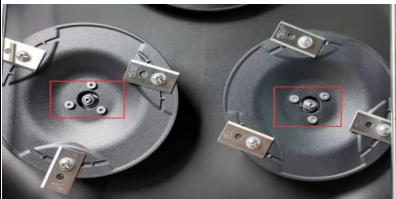


Assembly Steps







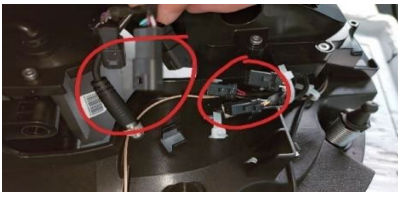
	Operation	Diagram	Precautions
1	Re-bind these cables by cable tie.		...
2	Put vision module and 4 pcs screws back.		...
3	Install the rear shell.		...
4	Put 4 pcs screws back.		...
5	Put 4 pcs screws back.		...
6	Put 'Cutting Disc Adapter Bracket' back.		...



Assembly Steps



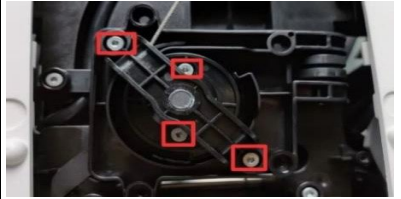


	Operation	Diagram	Precautions
1	Put fender and 6 pcs screws back.		...
2	Put cutting disc and 6 pcs screws back.		...
3	Turn robot right side up.		...
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Lifting module	Version	1.0
Author	Leo Xiang	Date	16-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H3, H2.5, H2)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	Turn its upside down.		Ensure protection.
2	Remove 6 pcs screws.		Hold on this disc and take care your hands, allen key would be better. Hex socket, Machine screws; M4*8
3	Remove 6 pcs screws.		Hex socket, Machine screws; M4*8
4	Remove 1 pcs screw.		...

			
Disassembly Steps			
	Operation	Diagram	Precautions
1	Move the joint to the left hole.		...
2	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
3	Dismantle the rear shell.		There are 6 buckles, please pull them up.
4	Remove 4 pcs screws.		Hex Socket, Self-tapping; M4.2*16
5	Cut the cable tie.		...
6	Disconnect the cable connection.		...


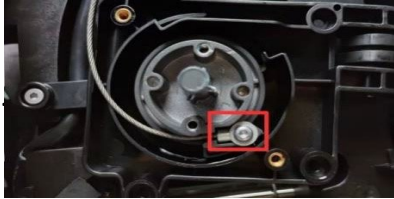
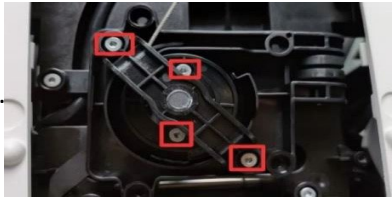




Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 6 pcs screws.		Hex Socket, Self-tapping; M4.2*16
2	Remove 4 pcs screws and the bracket.		...
3	Turn it upside down and remove 4 pcs screws.		...
4	Remove 1 pcs screw.		...
5	Remove 2 pcs screws and the cap, then pull the steel wire rope out.		...
6	...	...	...


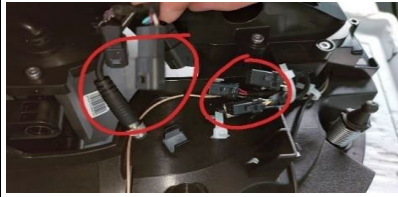










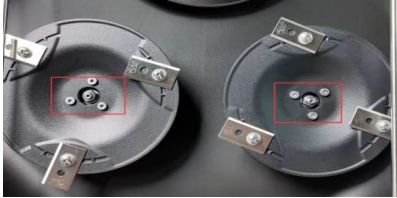

Assembly Steps



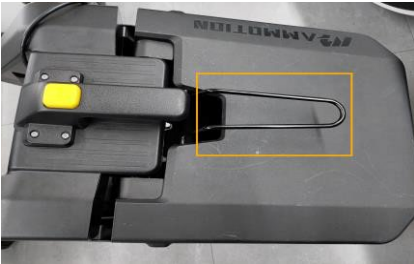
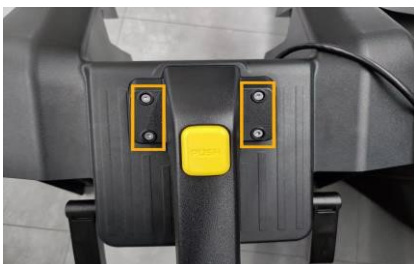

	Operation	Diagram	Precautions
1	Install the steel wire rope, then Put 2 pcs screws and the cap back.		...
2	Put 1 pcs screw back		...
3	Put 4 pcs screws back.		...
4	Put 4 pcs screws and the bracket back.		...
5	Re-connect the cable connection.		...



Assembly Steps



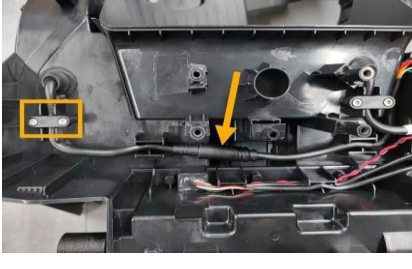
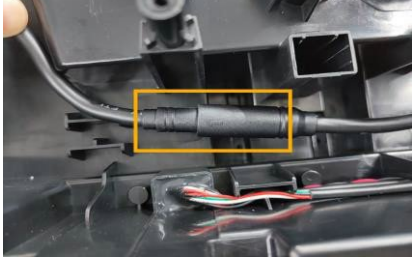


	Operation	Diagram	Precautions
1	Put 6 pcs screws and upper shell model back.		...
2	Re-connect the cable connection.		...
3	Re-bind these cables by cable tie.		...
4	Put vision module and 4 pcs screws back.		...
5	Install the rear shell.		...
6	Put 4 pcs screws back.		...

			
Assembly Steps			
	Operation	Diagram	Precautions
1	Move the joint to the right hole to fix it.		Reverse that refer to image.
2	Put 1 pcs screw back.		...
3	Put fender and 6 pcs screws back.		...
4	Put cutting disc and 6 pcs screws back.		...
5	Turn robot right side up.		...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Sweeping Motor	Version	1.0
Author	Leo Xiang	Date	23-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H2.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	1) Turn off robot. 2) Unlock the contact and disconnect it. 3) Long press the yellow button and pull the whole sweeper kit up.		...
2	Use the handle to pull the basket up.		...
3	Remove 4 pcs screws and the handle.		...
4	Remove 8 pcs screws and caps.		...








Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 2 pcs screws.		...
2	Hold the bottom of shell and pull it up.		...
3	Remove 2 pcs screws and the cap, then disconnect the cable connection.		...
4	...		Note the arrowhead mark on contacts.
5	Remove 6 pcs screws and dismantle fixed parts.		...
6	Pull the cable out.		...








Disassembly Steps

	Operation	Diagram	Precautions
1	Remove 4 pcs screws and the sealing cap.		...
2	Remove 4 pcs screws and the sealing cover.		Sealant where is on screws should removed at first.
3	Remove 1 pcs screw and dismantle the shaft & belt.		...
4	Remove 4 pcs screws to release sweeping motor.		Sealant where is on screws should removed at first.
5	Remove 2 pcs screws and sealant.		...
6	...	...	...




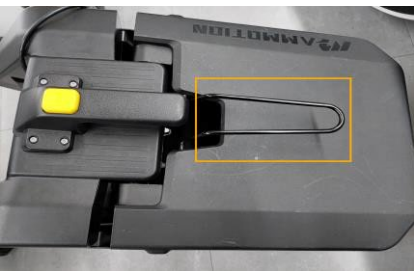

Assembly Steps



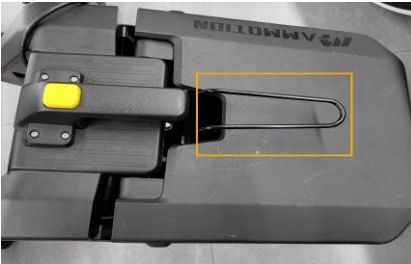

	Operation	Diagram	Precautions
1	1) Put 2 screws and cap back. 2) Apply sealant.		1) Leave enough length to fix motor. 2) Normally wait 20 ~ 30 minutes for drying.
2	Put 4 pcs screws back with sealant.		Normally wait 20 ~ 30 minutes for drying.
3	Put shaft & belt back with 1 pcs screw.		...
4	Put the sealing cover back with 4 pcs screws.		...
5	Put the sealing cap back with 4 pcs screws.		...



Assembly Steps			
	Operation	Diagram	Precautions
1	Run the cable through the rubber sleeve.		...
2	Put fixed parts back with 6 pcs screws.		...
3	1) Re-connect the cable connection. 2) Put the cap back with 2 pcs screws.		Note the arrowhead mark on contacts.
4	Put the shell back.		...
5	Put 2 pcs screws back.		...
6	Put the cap back with 8 pcs screws.		...






Assembly Steps			
	Operation	Diagram	Precautions
1	Install the handle with 4 pcs screws.		...
2	Put the basket back.		...
3	Install the whole sweeper kit and re-connect the cable connection.		Ensure robot is off before putting the sweeper kit back.
4	...	...	...
5	...	...	...
6	...	...	...

Yuka Disassembly & Assembly SOP			
Module	Roller Brush Assembly	Version	1.0
Author	Leo Xiang	Date	23-Jan-25
Tools			
1	Allen Key or Electric Screwdriver (5N·m)		
2	Screwdriver Bit (H2.5)		
3	/		
4	/		
Disassembly Steps			
	Operation	Diagram	Precautions
1	1) Turn off robot. 2) Unlock the contact and disconnect it. 3) Long press the yellow button and pull the whole sweeper kit up.		...
2	Use the handle to pull the basket up.		...
3	1) Remove 1 pcs screw. 2) Pull the whole roller brush assembly out.		...
4	...	...	...



Assembly Steps

	Operation	Diagram	Precautions
1	Put the roller brush assembly back.		Compare their shapes of assembly and groove.
2	Fix the roller brush assembly with 1 pcs screw.		...
3	Put the whole sweeper kit back.		Turn the robot off and then do it.
4	...	...	...
5	...	...	...