

Maintenance Guide

Scrubber 50

Produced by
After-sales Operation Center

Maintenance Guide

Gausium is the only commercial service robot company in cleaning industry with ISO9001 international certification, China robot CR certification, United States UL safety certification and Europe CE safety certification. Up to now, Gausium has provided 200 million kilometers' cleaning services for more than 2,000 customers in over 40 countries and regions around the world. Gausium is one of the companies with the most outstanding implementation capability in the field of commercial mobile robot and autonomous driving.

Document History

Edition	Contents	Reviser	Date	Approved	Approver	Approval date
V4.1_1.0	First Release		2023/1/29			

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1. Clean the surface and wipe the upper cover

Use a clean soft cloth to wipe the top cover (if there are stains that cannot be wiped off, slightly wet the cloth, and be careful not to touch the screen and camera).



2. Wipe the front shell

Use a clean soft cloth to wipe the front shell (if there are stains that cannot be wiped off, wet the cloth, and be careful not to touch the camera and other sensors).



3. Wipe the shell on both sides

Use a clean and tidy soft cloth to wipe the shell (if there are stains that cannot be wiped off, wet the cloth).



1. Wipe the rear shell

Use a clean soft cloth to wipe the rear shell (if there are stains that cannot be wiped off, wet the cloth, and be careful not to touch the camera and other sensors).



2. Wipe the bumper

Use a clean soft cloth to wipe the bumper (if there are stains that cannot be wiped off, wet the cloth, and be careful not to touch the camera and other sensors).



3. Wipe the squeegee

Use a clean soft cloth to wipe the squeegee (if there are stains that cannot be wiped off, wet the cloth, and be careful not to wipe the camera and other sensors).



1. Wipe the screen

Use a clean, soft, lint-free cloth to gently wipe the screen.



1. Clean the top-view camera

Use a soft, dry, lint-free cloth to gently wipe the top-view camera.



2. Clean the front camera

Use a dry, soft, lint-free cloth to gently wipe the front tilt camera, Zhangcai camera, and tilt camera.



3. Clean the horizontal laser

Use a dry, soft, lint-free cloth to gently wipe the horizontal laser.



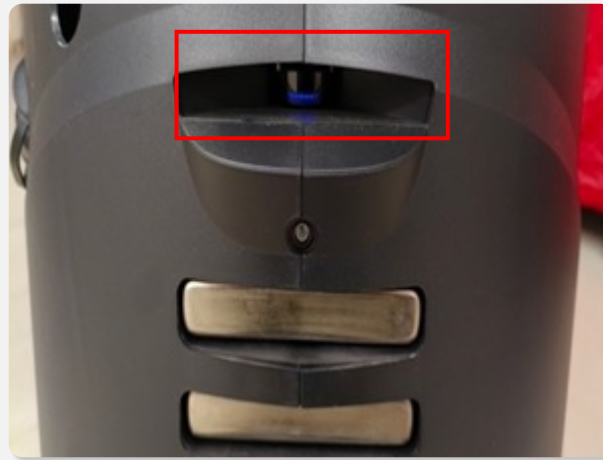
1. Cleaning the rear camera

Gently wipe the rear camera with a soft, dry, lint-free cloth.



2. Cleaning the rear laser

Use a dry, soft, lint-free cloth to gently wipe the laser.



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1. Remove

Press the side brush and pull it out from the bottom after detaching from the magnetic chunk.



2. Clean

Put the brushes in a cleaning tank and use a wire brush to clean it.



3. Install

Align the side brush with the middle of the side brush motor, rotate the side brush so that the hole of the side brush is aligned and attached to the motor shaft.



1. Open the anti-collision covers on both sides

Open the left and right anti-collision covers.



2. Remove the dust box

Turn counterclockwise to release the buckle of the dust box. Pull out the dust boxes on both sides.



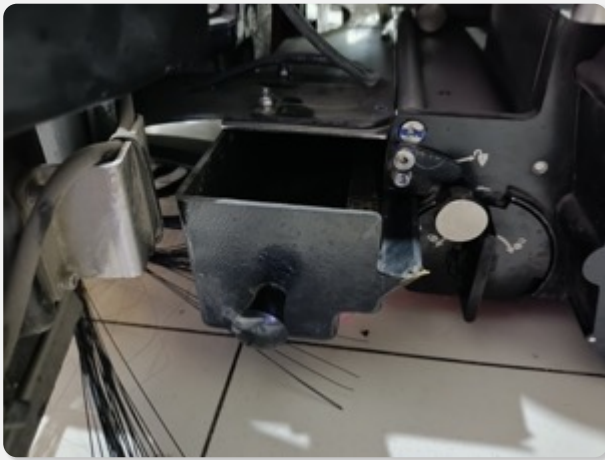
3. Clean the dust box

Dump the garbage in the dust box into a trash bin.



4. Install the dust box

Insert the dust boxes, and rotate the buckle at the direction to the front of the robot to close it.



5. Close the anti-collision cover

Close the anti-collision cover on both sides.



1. Open the anti-collision doors on both sides

Open the left and right anti-collision covers.



2. Remove the roller brush

Pinch the yellow silicone cap and pull outward.



3. Hold the roller brush cap

Hold the brush cap and pull the brush out.



1. Clean roller brush (brush)

Pull out the roller brush (brush), put it in a cleaning pool. Use a wire brush to clean.



2. Clean cloth brush

Pull out the cloth brush, you can choose to use brush to clean the surface or use neutral cleaning solution for cleaning.



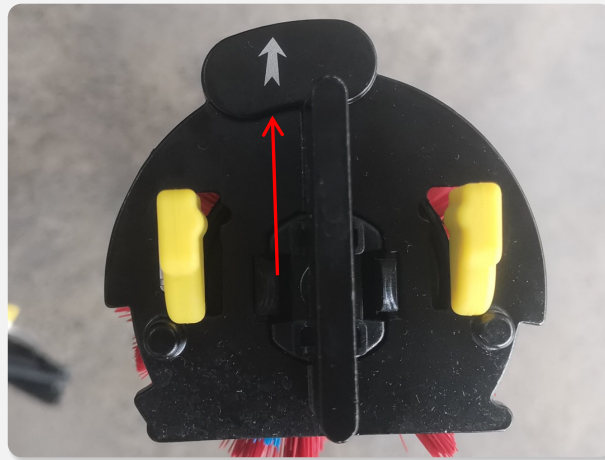
1. Install the roller brush cap and the roller brush

Hold the roller brush and the cap and put them into the robot together.



2. Install the roller brush cap and the roller brush

Pay attention to the upward arrow.



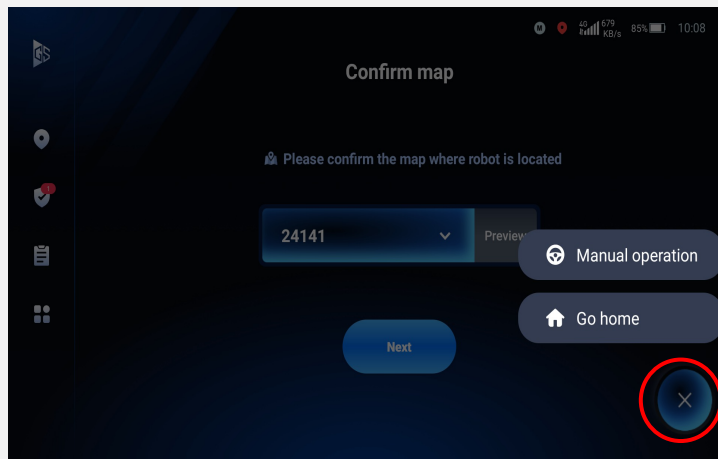
3. Check installation

Shake the middle of the both caps to check whether the cap is well installed. Then close the covers.



1. Switch to manual mode

Click the floating ball in the lower right corner of the touchscreen interface, click "Manual Operation".



2. Push the robot to the maintenance point



3. Remove the squeegee

Press the black button on the top of the squeegee to pull out the inner and outer rubber blades.



1. Wipe the squeegee (case 1)

Use a wrung cloth to wipe the inner and the outer rubber blade and the gap between them.



2. Wipe the squeegee (case 2)

Use a wrung cloth to wipe the surface of the inner and outer rubber blades.



3. Wipe the exterior of the squeegee

Use a wrung cloth to wipe the exterior metal.



1. Install the inner rubber blade

Press the black button on the top of the squeegee to install the cleaned / new inner rubber blade.



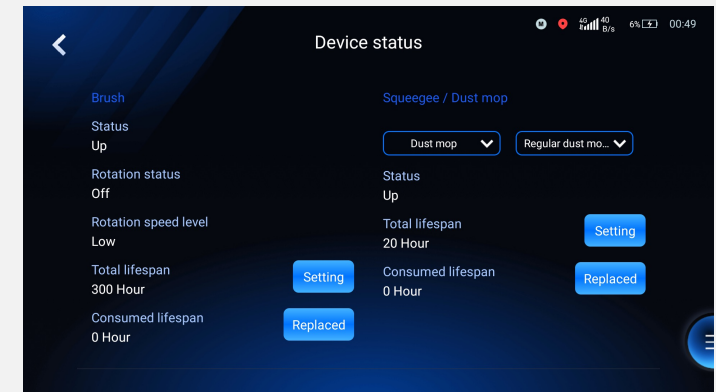
2. Install the outer rubber blade

After installing the inner rubber blade, shake it left and right to ensure that it is installed in place and not loose. Install the outer rubber blades in the same way.



3. Refresh the device status

After installing the inner and outer rubber blades, click the menu on the left of the screen, click "Machine Status", find the squeegee, and click "Replaced".



1. Remove the universal wheels

The squeegee and universal wheels assembly can be removed by turning the two black knobs off.



2. Clean the universal wheels

Clean up the rubbish entangled on the universal wheels to ensure that they are clean and free of dirt.



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1. Remove

Open the top cover , turn the buckle to the right and pull down the HEPA cover.



2. Clean

Shake the HEPA to clean up the dust;



3. Install

Install the HEPA back on the left side of the upper shell and close the cover;



1. Remove the filter basket

Slide the filter basket holder to the right to remove the filter basket.



2. Remove the filter basket and filter bag

Take out the filter basket and filter bag together.



3. Remove the filter basket and filter bag

Rotate the filter bag and plastic cover clockwise and remove from the filter basket.



4. Remove the filter basket and filter bag

Lift the filter basket out of the basket holder.



5. Remove the filter bag

Separate the filter bag from the plastic cover.



6. Clean

Pour the garbage in the filter bag into a trash bin and rinse the filter basket and filter bag with clean water, then assemble the filter bag with the plastic cover.



7. Filter basket & filter bag

Cleaned filter basket and filter bags are as follows.



8. Install filter basket

Place the filter basket in the basket holder.



9. Install filter bag

Reinstall the filter bag and the cover through the bottom of the basket.



10. Install filter bag

Turn the plastic cover counterclockwise to fit the filter bag and plastic cover to the filter basket holder.



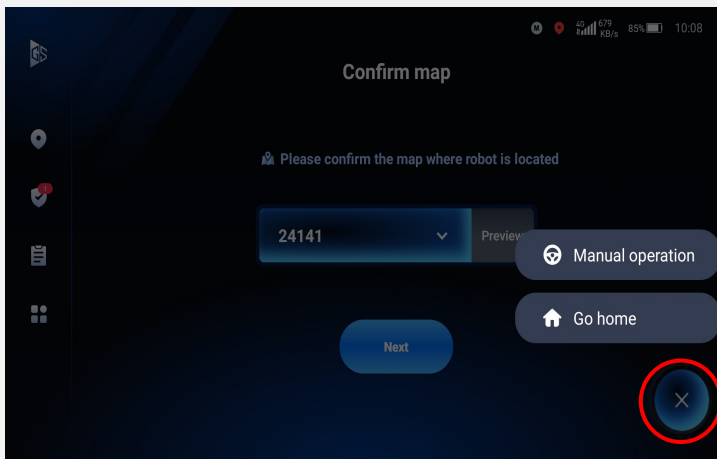
11. Install filter basket

Slide the filter basket together with the filter bag to the left and put them back into the slot of the waste water tank .



1. Switch to manual mode

Click the floating ball in the lower right corner of the touchscreen interface. Select the manual operation mode.



2. Push to the maintenance point

Push the robot to the maintenance point.



3. Take out the drain pipe

Take out the drain pipe and open the cover. You can turn the pipe upward when opening the cover and then quickly turn it downward to drain waste water.



1. Remove the filter of the clean water tank

Remove the cleaning fluid tank and turn the clean water tank filter counterclockwise. Then hold the clean water tank filter with both hands, drain the water and place it in a washing sink.



2. Removal the filter of the waste water tank

After removing the filter basket, turn the clean water tank filter counterclockwise. Then hold the waste water tank filter with both hands, drain the water and place it in a washing sink.



3. Filter

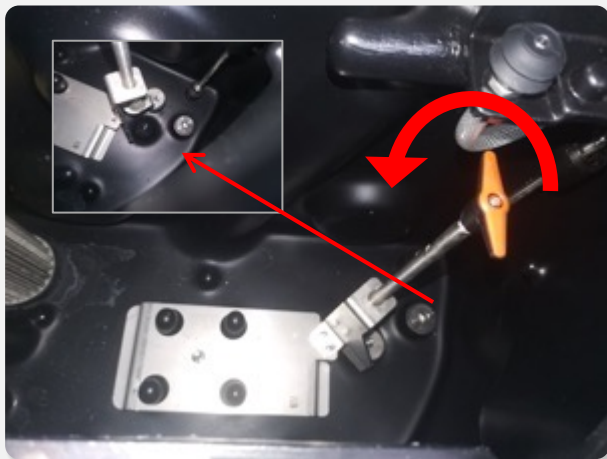
The upper one is the steel wire filter of the waste water tank; the lower one is the steel wire filter of the clean water tank.

The filter of the waste water tank has a larger aperture.



1. Drain clean water

After draining the waste water tank, open the top cover, pull up the drain handle of the clean water tank, and rotate it 90° counterclockwise. At this time, the water will flow into the waste water tank. Drain the water by drain pipe.



2. Rinse the clean water tank

Rinse the walls of the clean water tank.



3. Rinse the float

Use a hose to rinse the clean water tank float.



4. Screw back the handle

Please make sure that the drain handle of the clean water tank is restored in place and block the water outlet.



2. Rinse the waste water tank

Rinse the walls of the waste water tank.



3. Rinse the waste water tank float

Use a hose to rinse the waste water tank float.



1. Install the steel wire filter of the clean water tank

After aligning with the mounting holes, turn clockwise to tighten. Then install the cleaning fluid tank.



2. Install the steel wire filter of the waste water tank

After aligning the mounting holes, turn clockwise to tighten. Then install the filter basket of the waste water tank.



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1. Power off the workstation

Unplug the workstation.



2. Wipe the surface

Wipe the exterior with a wrung cloth.
Be careful not to touch the charging electrodes.



3. Remove the filter funnel and foam

Remove the filter funnel and foam.



1. Clean the filter foam

Clean the filter foam and funnel.



2. Reinstall the funnel and filter foam

Restore the funnel and filter foam to the workstation.



1. Power off the charging dock

Turn off the power button of the charging dock ("O" means power off).



2. Clean the surface

Wipe the exterior with a wrung towel. Be careful not to touch the charging electrodes.



3. Power on the charging dock

Turn on the power button of the charging dock ("I" means power on).



1. Wipe the shell



2. Empty the disinfectant

Rotate the lower right valve of the disinfecting backpack downward to open, and empty the disinfectant in the backpack.



3. Empty the disinfectant in the vaporizer

Open the rubber protective cover on the top of the disinfecting backpack.



1. Empty the disinfectant in the vaporizer

Pull up the metal ring to empty the disinfectant in the vaporizer.



2. Rinse the inside of the backpack with clean water



3. Rinse the inside of the backpack with clean water

Pour clean water from the spray port on the left to rinse the inside of the backpack.



Bring service robots to every part of the world!