

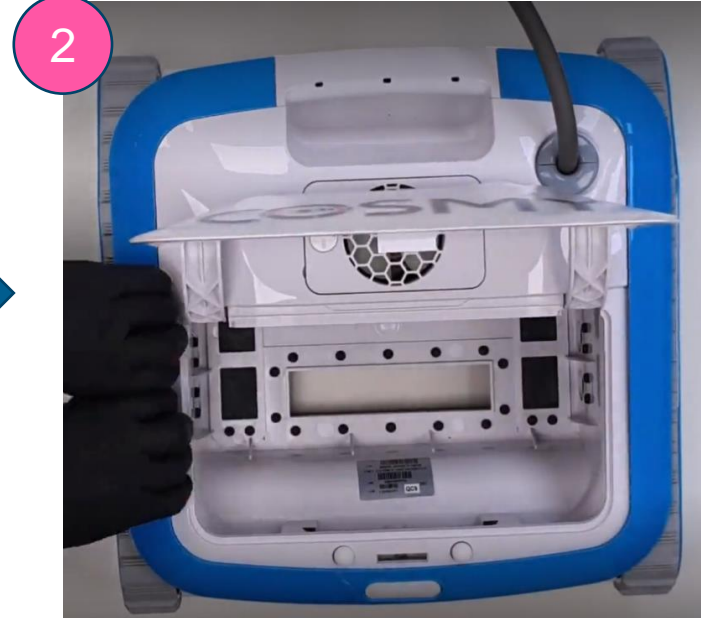


TG_COSMY MOTOR REPLACEMENT

FAMILY: COSMY ROBOTS
V1_FEBRUARY 2023

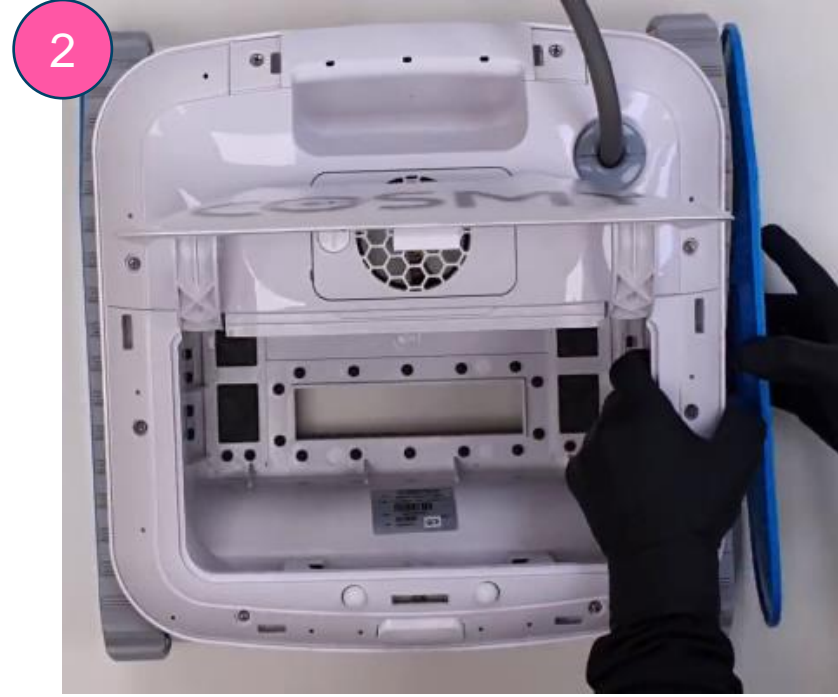


PROCEDURE - disassembly



1. Extract filter.
2. Press the clips of the top frame from the inside to release it.
3. Do the same in the other side of the cover.
4. Extract the top frame.

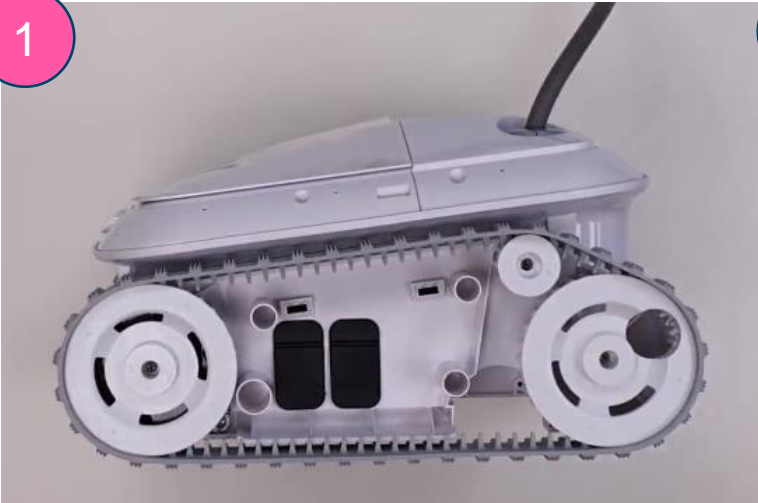
PROCEDURE - disassembly



1. Press the clips of the side cover from the inside to release it.
2. Take out side cover.
3. Repeat in the other side.

PROCEDURE - disassembly

1



2



3



4



1. Lay the robot on its side.
2. Extrat the track belt.
3. Locate the drive wheel of the motor, the opposite of the one with the brush.
4. Take out the screw.

PROCEDURE - disassembly



1. Take out the bearing of the wheel
2. Take out the wheel.

PROCEDURE - disassembly



1. Locate the gear that is connected to the motor shaft.
2. Extract the screw with a hand screw driver Ph1, keeping the wheel in with help to lock the gear.
3. Extract pinion.

Repeat same process on the other side.

PROCEDURE - disassembly



1. Take out the screws from back cover and handle.
2. Remove back cover.
3. Release pump connector from the tie cable.
4. Open the connector.

PROCEDURE - disassembly

1



2



3



4



1. Release connector completely.
2. Take out screw from back side of cover.
3. Take out two screws from front side of pump.
4. Take out the pump.

PROCEDURE - assembly



1. Place new pump.
2. Put back screw on back side.
3. Put back screws on front side.
4. Insert connector.

PROCEDURE - assembly



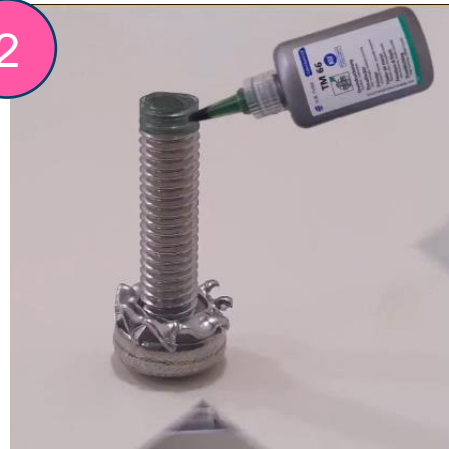
1. Fully tighten the connector thread.
2. Use a cable tie with connector and cable and cut the excess.
3. Place connector on the back side of pump as seen in picture.
4. Pace back screws of top cover and handle.

PROCEDURE - assembly

1



2



3



4



1. Lay the robot on its side.
2. It has to be used screw threadlocker on the pinion screw.
3. Place the pinion.
4. Insert screw with the toothed washer and the threadlocker.

PROCEDURE - assembly

1



2



3



4



1. Screw pinion using a handscrew ph1.
2. Place the bearing of wheel.
3. Place wheel back and screw it.
4. Put back the track belt.

PROCEDURE - assembly

1



2



3



4

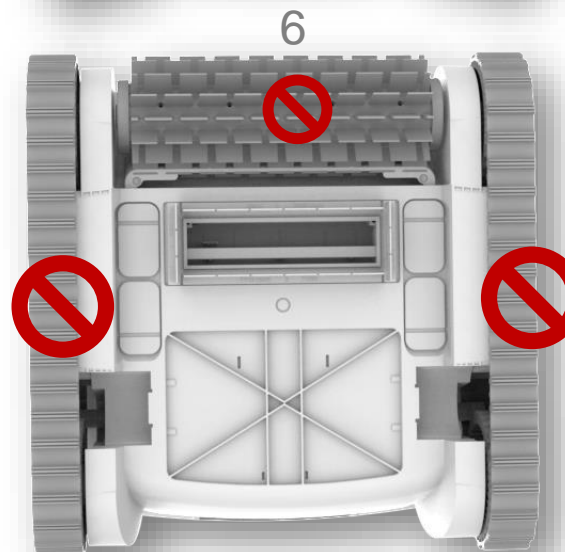
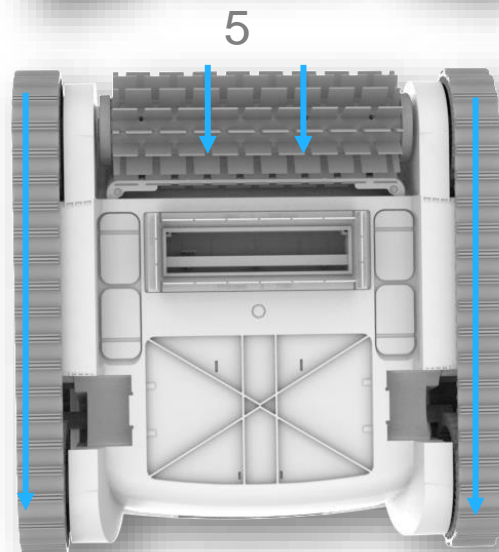
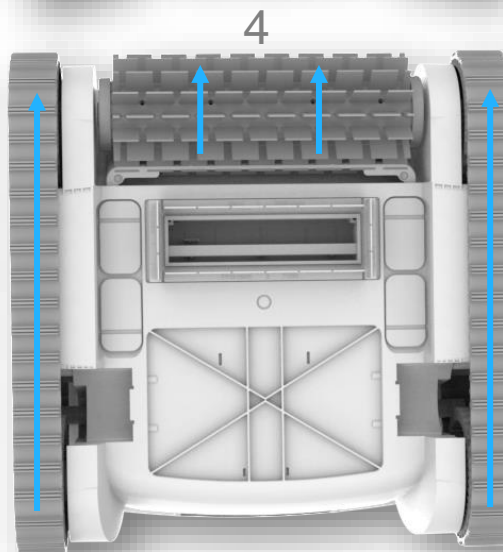
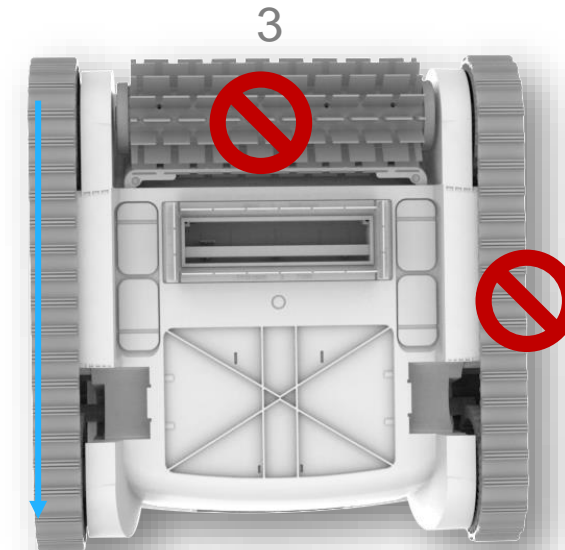
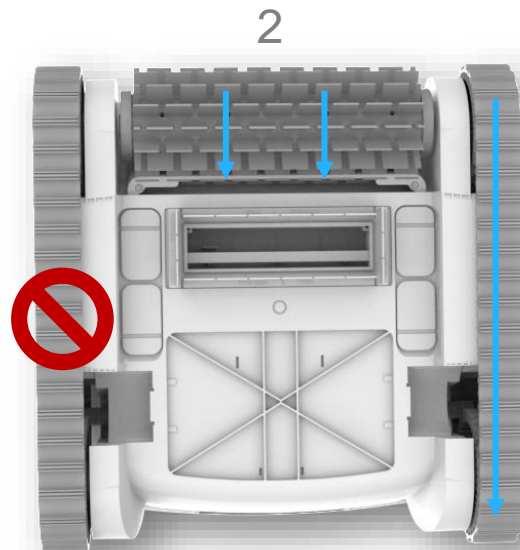
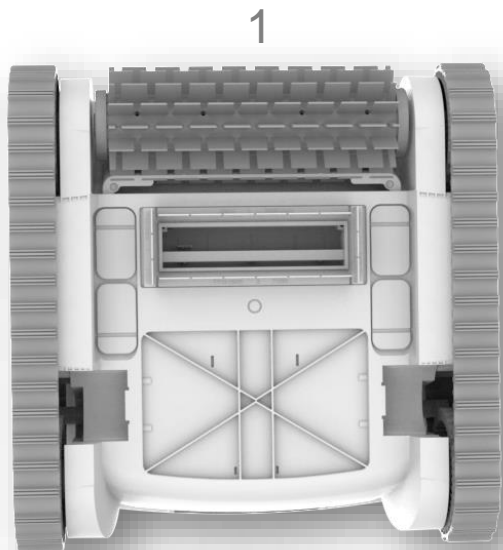


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1. Place back one side cover.
2. Place back the other side cover.
3. Place back top frame cover.
4. Make sure the button is well seated.
5. Place back the filter.

TECHNICAL TEST MODE



**Place pool robot upside down.
Turn on the Power Supply:**

1. Pump turns at different speeds (6-7 secs)
2. Master drive turns(right belt),brush turns (4-5 secs)
3. Slave drive turns(left belt) no brush(4-5 secs)
4. Both drives and brush turns (4-5 secs)
5. Both drives and brushes switch direction (30-35secs)
6. Robot stops
7. Power supply will turn off after 60-70 seconds.