

How to Care for your Robot

Ambrogio L85 or Lawnbott LB75, LB75DX, LB85

How to Disassemble the LB75/LB85 or L85 Robot

1. Turn the robot over.
2. Unscrew lid screws: Older robots, 4 Phillips head screws. Robots manufactured 2017 or later: 4 metric hex screws + 8 Phillips self-tapping screws on the metal plate (the ones that go into the lid). Make sure you use a tool of the proper dimensions (all hex screws are metric). Make sure there is no “play” in the head of your Phillips screwdriver (screws will strip). That is, use a bigger one if you can move the screwdriver back and forth without turning the screw.
3. Put your hand on the lid & flip the robot and lid back over.
4. Now it gets tricky because the cables are short. Gently lift the lid, being careful to not allow the cables to come out. Usually you can prop it at an angle on the left side. Look underneath with a flashlight to see the cables & avoid issues.
5. Unscrew the screws on the plastic strip that holds the main board in its slots. We usually unscrew one screw partially and take out only one screw & then we swing the strip out of the way.
6. Slide the motherboard up. Try to handle it only by the edges, gently. Very important: Remove the fuse along the left side of the motherboard looking from the motherboard side of the robot. This powers down all of the electronics so you can perform regular maintenance, troubleshooting or repair.
7. There are three fuses, two are the automotive type & one is cylindrical under a black plastic cap. Inspect the fuses visually and/or with an ohm meter (should be zero ohms or close to zero, i.e. 1-2).

Regular Service Steps

Consult Winter Service information and perform the steps annually.

Re-assembly of the LB75/LB85 or L85 Robot

1. While you have the robot open, check for the presence of humidity by looking for white corrosion. Some very old robots had faulty keypads that leaked. If your robot leaked, the keypad will need to be replaced. If you see corrosion, write back for instructions.
2. Check that the gray ribbon cables are secure, for very old robots, the thin one typically comes out when the lid is removed. New robots have a clip that secures this cable.
3. Reinstall the plastic strip.
4. Examine all cables and tape them to the chassis to ensure that when the lid is reinstalled, a wire or cable does not get caught between the post the screw goes through and the lid. Commonly the cables get crushed & then the robot won't work after it's put together again.
5. Re-install the fuse. Try turning the robot on. If all is well, re-install the plastic strip that holds the motherboard in place and re-install the lid.

