

## BULLETIN #B010E

### AUTOLAB ELECTRONICS HEAD REMOVAL FOR ATL-2000 AND 2X00 (2200, 2300, 2400, 2500)

You will need:

- Standard blade screwdriver
- Phillips® #1 head screwdriver
- Needle nose pliers
- 3mm hex ball head driver or 3mm Allen key supplied with your processor (*JOBO Part #16227*)

JOBO spare parts you will need for this procedure are:

- Seal Tape for electronics head top (*JOBO Part #70238; Call JOBO at 1-800-664-0344 to order*)

#### Procedure:

1) **Disconnect the main power cord from the electrical outlet!**

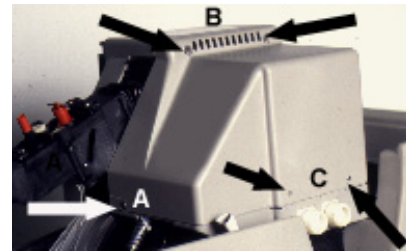
2) Remove the rear cover of the upper mechanical head located directly behind the electronics display panel. To free the cover, five (5) screws must be removed.

A. Locate and remove the standard screw on the right side of the upper head assembly located just behind the lift arm.

B. Locate and remove the two (2) standard screws from the top of the upper head assembly. These screws are inserted from the rear of the processor in the top center of the upper head assembly.

C. Locate and remove the two (2) Phillips® head screws located on the rear surface of the rear cover. They are positioned just above the cold and tempered water inlet connections.

D. Lift off the rear cover to the upper head assembly.



3) Looking into the upper mechanical assembly from the rear of the processor, located at the top of the lift arm past the chemical hoses, you will find a white slotted nylon screw. Please remove this screw.

**NOTE:** Use caution when removing this screw. **Do not drop it!** If it is dropped into the lift arm assembly below, you must find and remove this screw before operating the processor!

4) Locate the black colored bellows. It is a black rubber accordion type piece located at the top of the lift arm. The bellows are attached toward the top of the processor by a screw that it fit into a slot on the electronics head. Using a screwdriver, slide the screw out of the slot.

5) **ATL-2000 ONLY (ATL-2X00 SKIP TO STEP 6):**

5.1) Remove the front bottle cover by first removing the 4mm cap head screw located at the right side hinge point.

5.2) Slide the front bottle cover toward the right so you disengage the cover from the hinge pin (a holding-pin is protruding directly out of the right hand side of the front electronics head cover).

5.3) Remove the 3mm cap head screw and washer located near the left cover hinge.

6) Remove the four (4) Phillips® screws located on the front of the electronics head.

Please note the two upper screws are longer than the two lower screws.

7) Remove the gray colored sealing tape (*JOBO Part #70238*) and remove the front cover of the electronics head.



**WARNING!** It is critical this tape is replaced before using your processor. If liquids are spilled on the top of the electronics head and the seal tape is not present, then severe damage to the electronic circuit boards will occur!

8) **IMPORTANT!** Label the location of the all wires plugged directly into the electronics head.

9) Disconnect all of the wires or cables from the front of the circuit boards. Some of the connectors are locking connectors and you must GENTLY press down on the release tabs.



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The largest cable is a round gray cable on which you will find a black locking connector. It is located toward the bottom of the electronics and enters the lower motor unit. Find the black locking connector and pull the cable apart at the connector.

**NOTE:** This connection can be difficult to open! Do not use any tools to pry this connector apart!

10) Remove the brass slotted screw located in the front bottom center of the electronics head where the upper head meets the lower motor unit (it will be behind the gray ribbon cable). Once the screw is loose, you will need to use needle nose pliers to remove it.

11) Gripping the front of the electronics head, slide the electronics head approximately 2.5cm (one inch) to the right. You may find it necessary to gently smack the left side of the electronics head with your hand.

**WARNING!** Once the electronics head is shifted to the right, it is loose, but still connected by some delicate wires! Be careful not to slide the electronics head too far to the right so you do not accidentally break any wires by pulling them apart.

12) Allow the electronics head to lean forward against you. While holding the electronics head, locate the three connectors behind the rear left side of the head and unplug the these connectors by pulling on each of the three bundles of wires.

**NOTE:** Each of the three connectors are a different size and shaped in such a way so they can only be plugged in one way.

13) Remove the electronics head. It should now be free from the upper mechanical assembly.