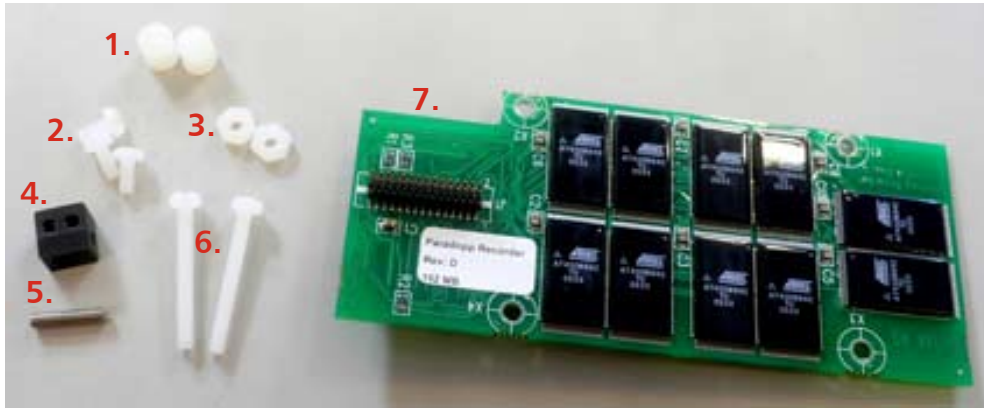


Installing a memory board

This is the description on how to install a memory board in a Vector, Aquadopp or Profiler.



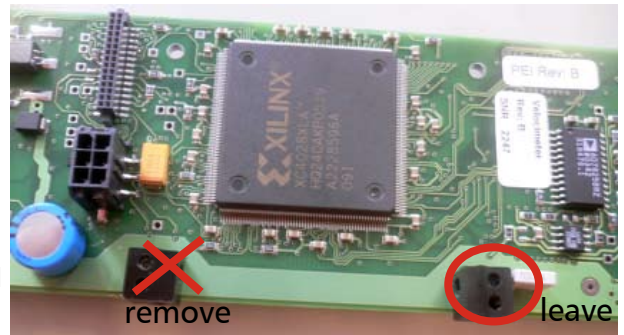
1. Nylon standoffs
2. Short nylon screws
3. Nylon nuts
4. Mounting block
5. Threaded metal bolt
6. Long nylon screws
7. Memory board

in addition:
 - screwdriver to fit no. 5, and a
 - bottle of Loctite

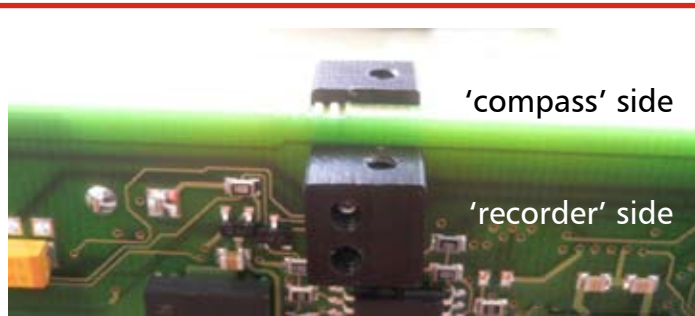
1. Remove the compass, remove all screws and blocks with the exception of the **right** mounting block as shown. Screw the metal bolt (5) through a mounting block (4) in the hole indicated.



2. Screw through the hole in the board and through another mounting block on the other side (both blocks on the same side of the main board). It is essential that the blocks are attached correctly. NOTE that the block on the 'compass' side of the card sticks out over the edge of the board, whereas the block on the 'recorder' side do not.



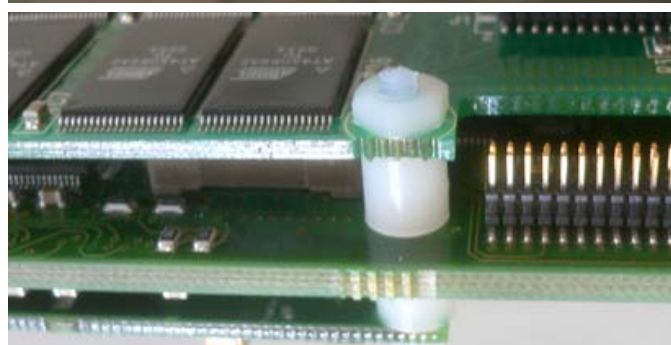
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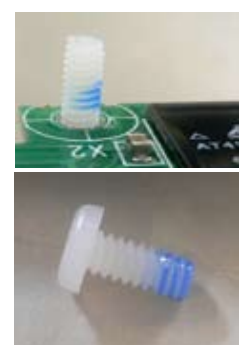
please note the positions of the various holes in the mounting blocks. It's essential that they are positioned correctly. Note that the twin holes are positioned 'away' from the center of the recorder.



3. Insert the two long nylon screws (6) through the holes in the compass, and through the nylon standoffs (1). Carefully insert through the holes on the main board; opposite the mounting blocks. Attach two more standoffs, and carefully position the recorder. Fit gently to the connector on the main board. Apply a little Loctite to the end of the nylon screws, and fit and tighten the nylon nuts.



4. Attach the recorder and compass to the mounting blocks with the short nylon screws. Apply a little Loctite to all plastic screws. Cut off excessive length on the long nylon screws.
 5. Connect the compass.
 6. Reassemble system.
 7. Erase recorder, and check that the system reads the right recorder size.



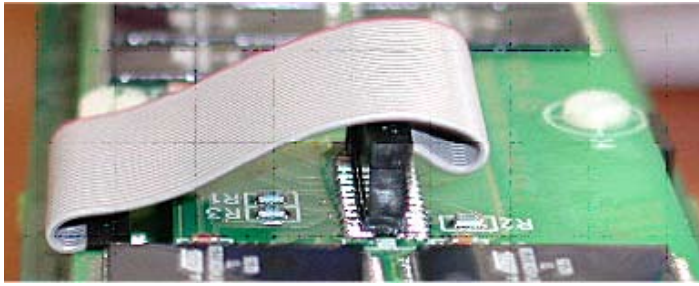
Installing a memory board with cable

Some of the older systems will not fit the connector, and need a cable between the board and the recorder. It's essentially the same process as described on the reverse side. The recorder board looks a little different.

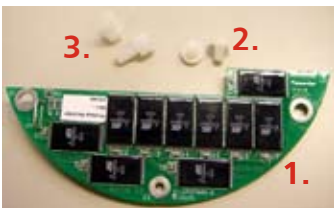


- Attach the cable to the main board *before* fixing the recorder to the main board.

- Attach and bend the cable as shown, to avoid cable getting caught while inserting the instrument into the housing.



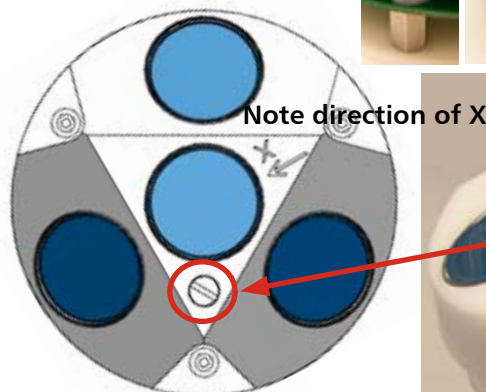
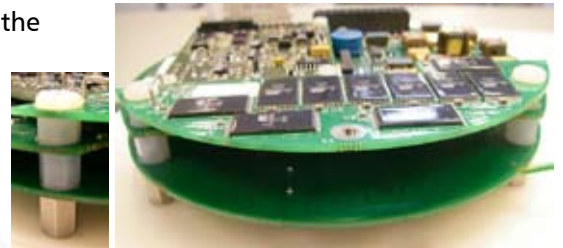
Installing a memory board - AWAC



1. AWAC memory board
2. 2x nylon screws
3. 2x nylon stand-offs

in addition:
large screwdriver
adjustable wrench
Loctite

1. Unscrew and remove the bolts that holds the head to the system.
2. Gently lift the head part up and out, and place transducer down on the table. Take care not to damage or stretch the cables or the O-rings.
3. Unclip the cables: the ground cable at the joint, the main cable at the circuit board.
4. Unscrew and remove the two nylon screws shown in the photo.
5. Add a little Loctite to the two nylon stand-offs, and screw them in place.
6. Carefully align the connector on the recorder with the one on the circuit board and gently press down.
7. Apply a little Loctite to the two screws and fasten the recorder to the stand-offs.
8. Reattach the cables to the head.
9. Inspect the O-rings before reassembling the system, and take care not to damage the cables. If needed, add silicone grease to the O-rings.
10. **Important!** When reassembling, make sure to fix the head correctly! If not, the X and Y axis will be wrong. Please follow the illustrations carefully.
11. Fasten and tighten bolts well.
12. Erase recorder, and check that the system reads the right recorder size.



Head removed for clarity

- Head bolts
- Mounting holes
- Base plate bolts

