

Overview of the PHP 2027 retrofit of air pump assembly:

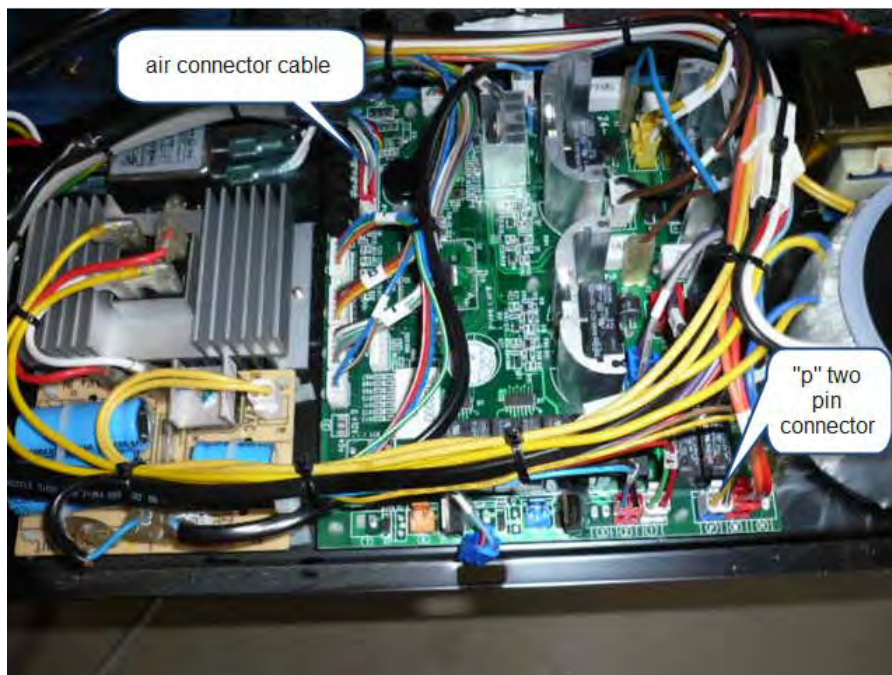
In the retrofit process, you will be removing the air pump assembly beneath the chair and installing the new pump assembly.

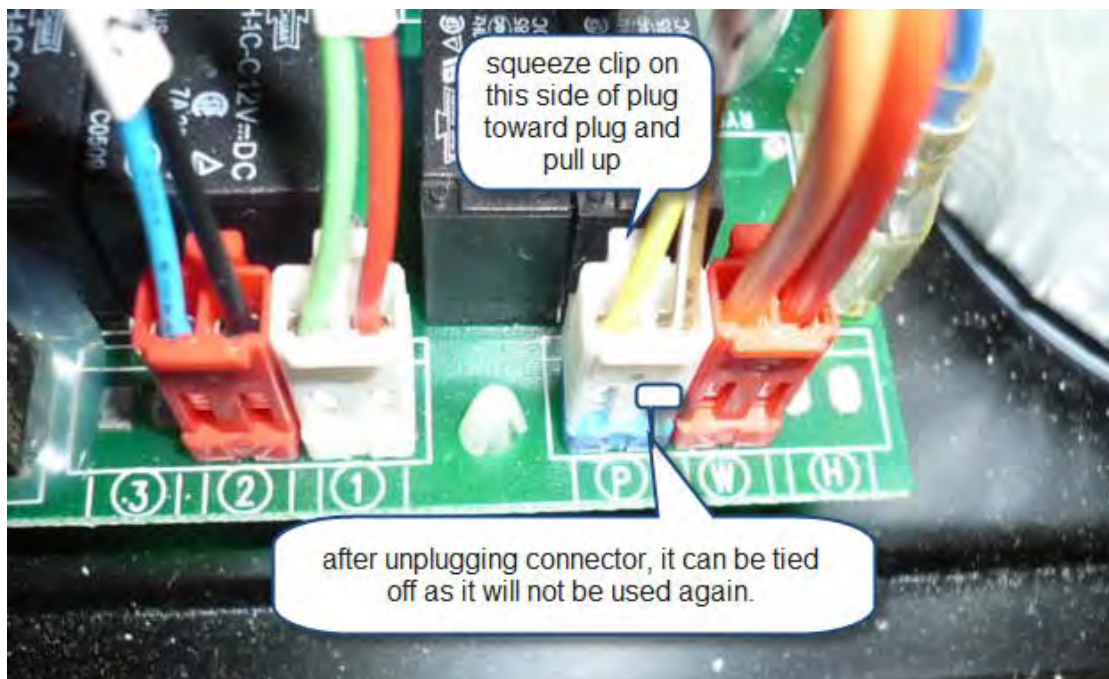
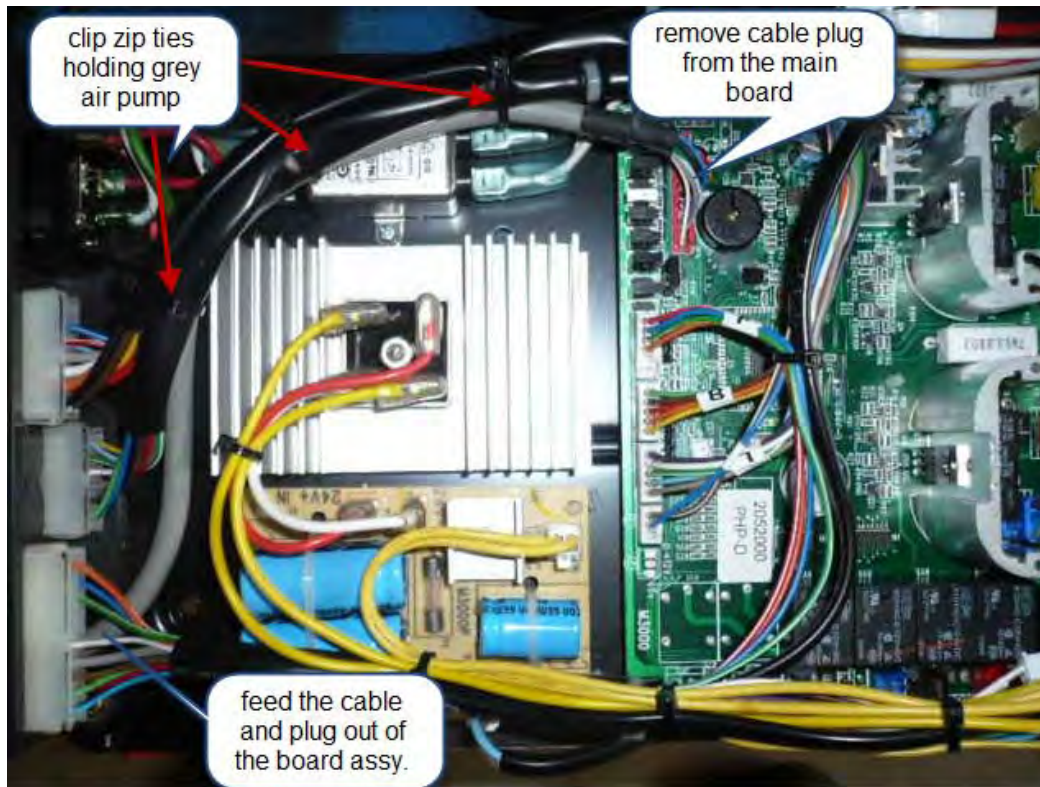
The hoses for each area receiving air will be disconnected from the existing solenoid bank and connected to the nozzles at the ends of the new air pump assembly. You will also replace the connecting cable from the main board assembly to the new air pump assembly.

Part 1: Remove the main board assembly and install the new connecting cable for the new air pump assembly.

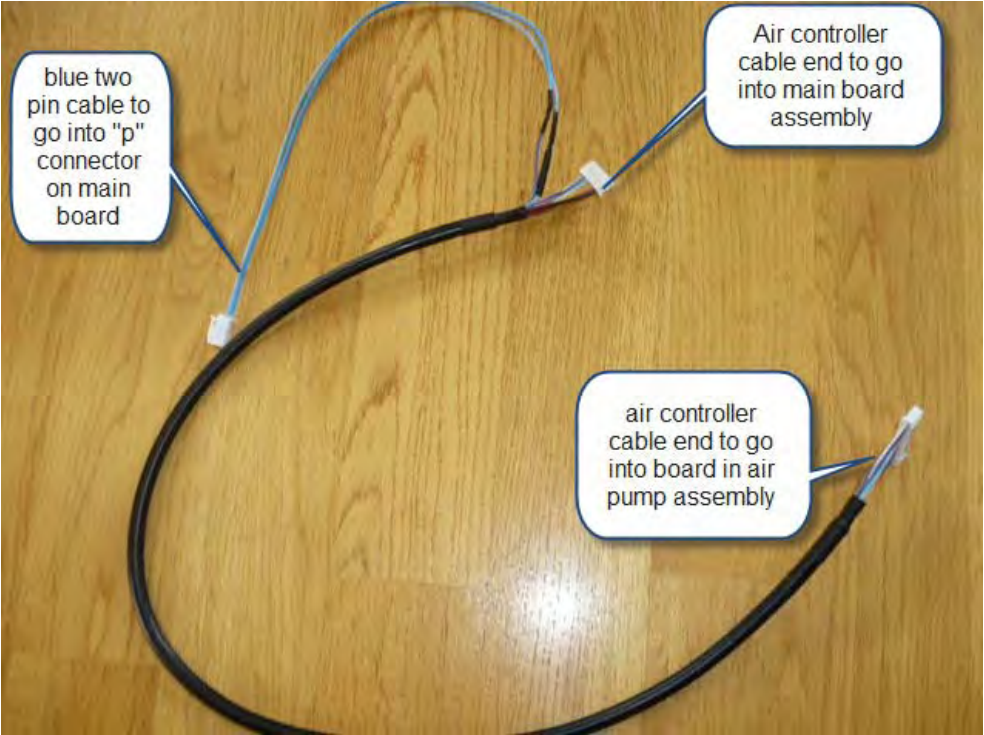
Step 1: Remove the main board assembly per the instructions at the link:
<http://www.premierhealthproducts.com/26-27-boardassembly-replace.pdf>

Step 2: Clip the zip ties from where the cable enters the board assembly to the air connector cable plug. Remove the existing air cable from the main board assembly and pull cable out so that it is no longer in the board assembly. Unplug the two pin connector in the "P" connector of the main board.





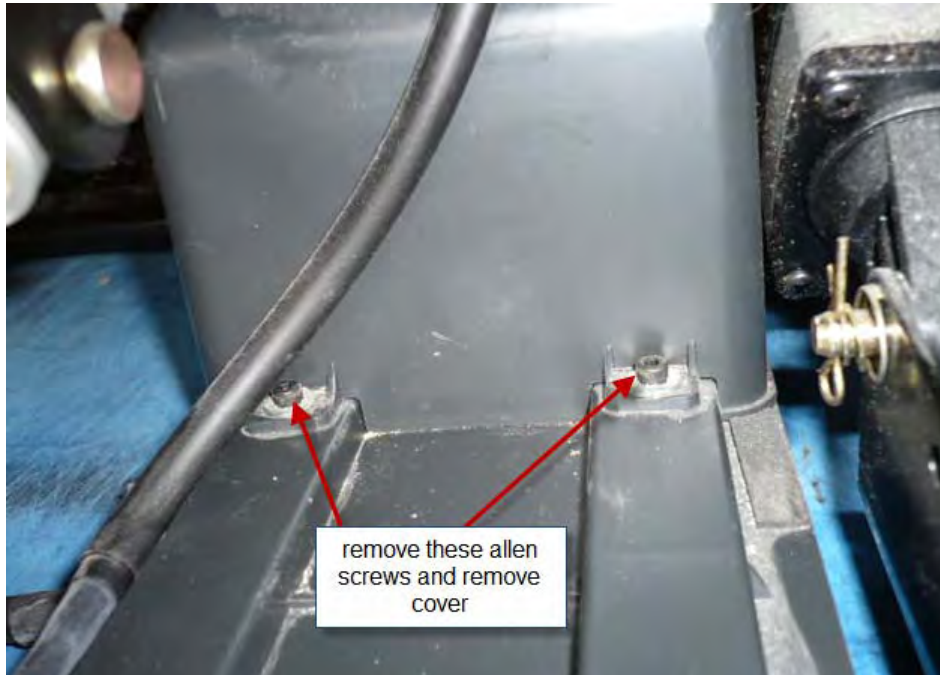
Step 3: Install the new air cable into the air controller slot and the two pin blue plug into the “P” connector of the main board. Feed the cable into the main board through the same slot you removed the existing cable. The main plug and two pin connectors go into same slots the others were removed from.



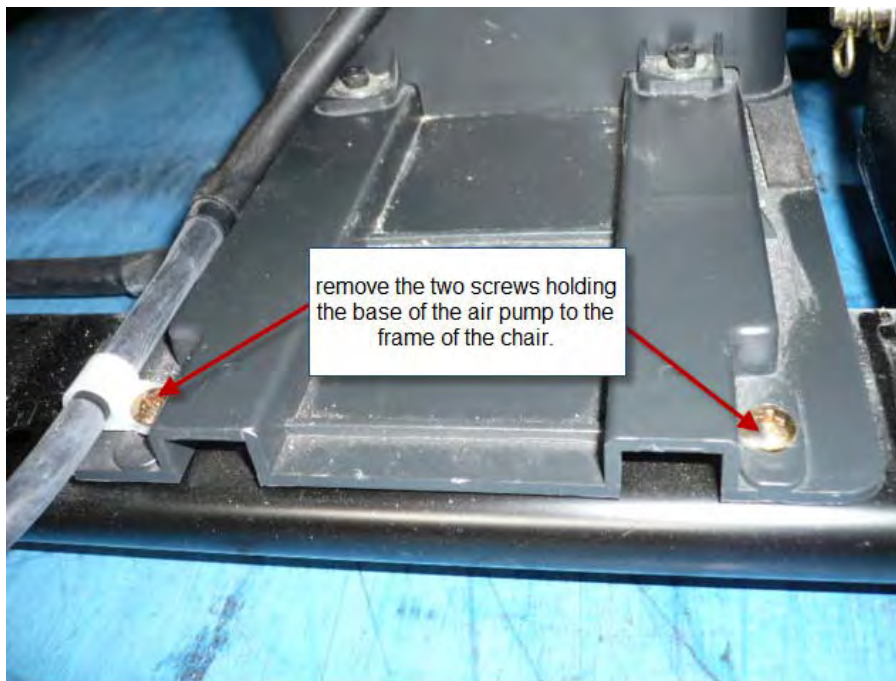
Part 2: Remove the existing air pump from beneath the chair.

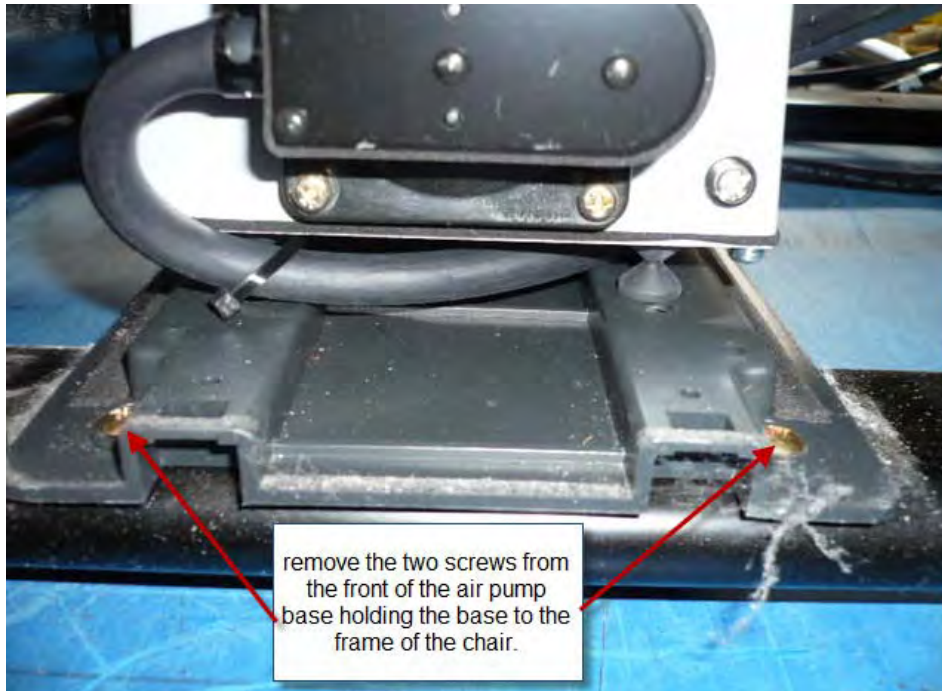


Step 1: remove allen screws from the cover of the existing air pump assembly beneath the chair and remove the cover from the pump by lifting up.

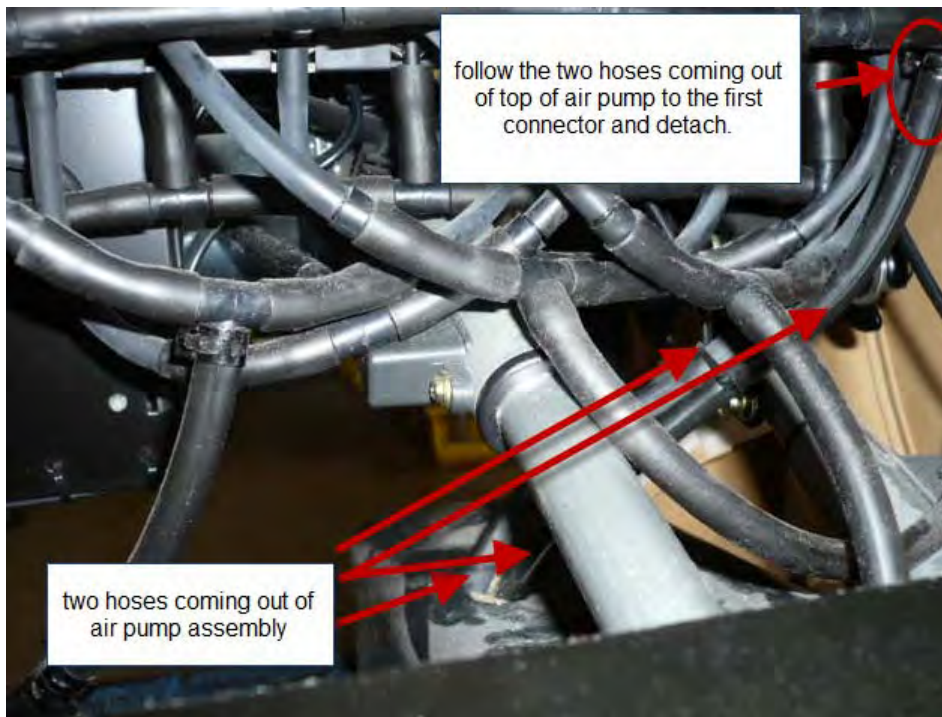


Step 2: Remove the screws holding the air pump base to the frame of the chair. Two are in the rear and two are in the front.



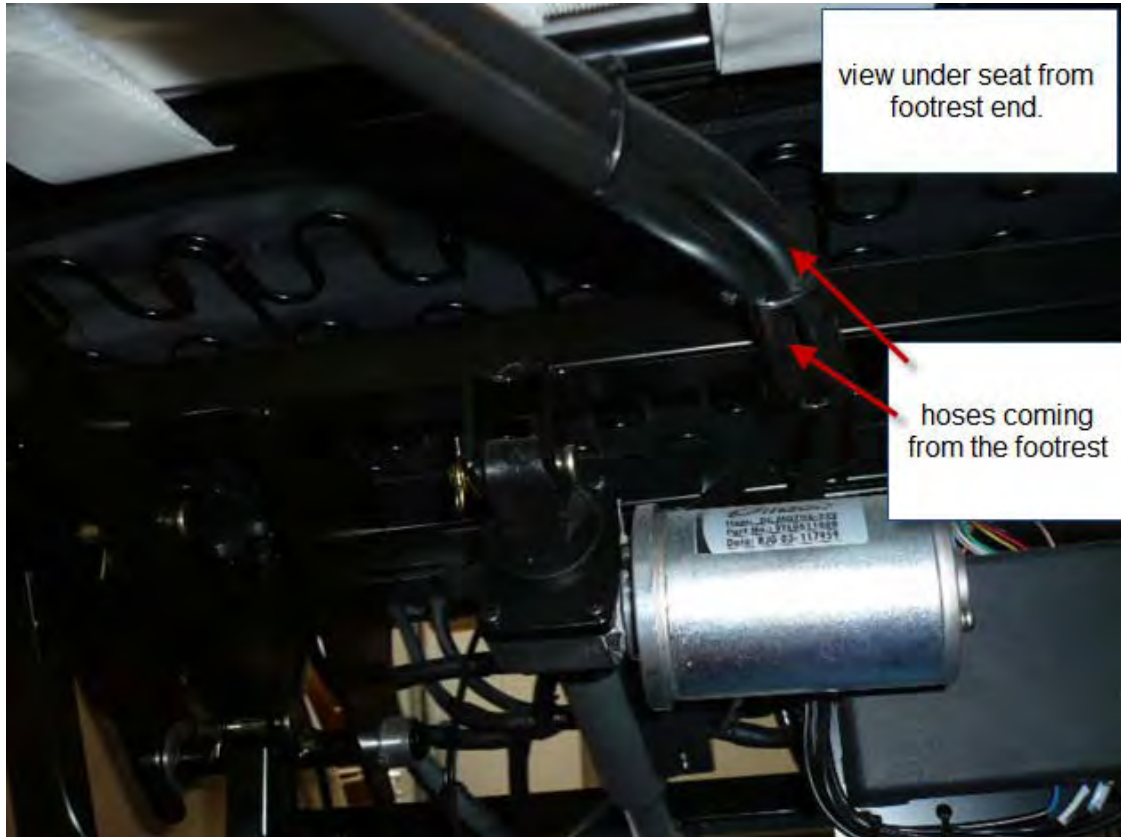


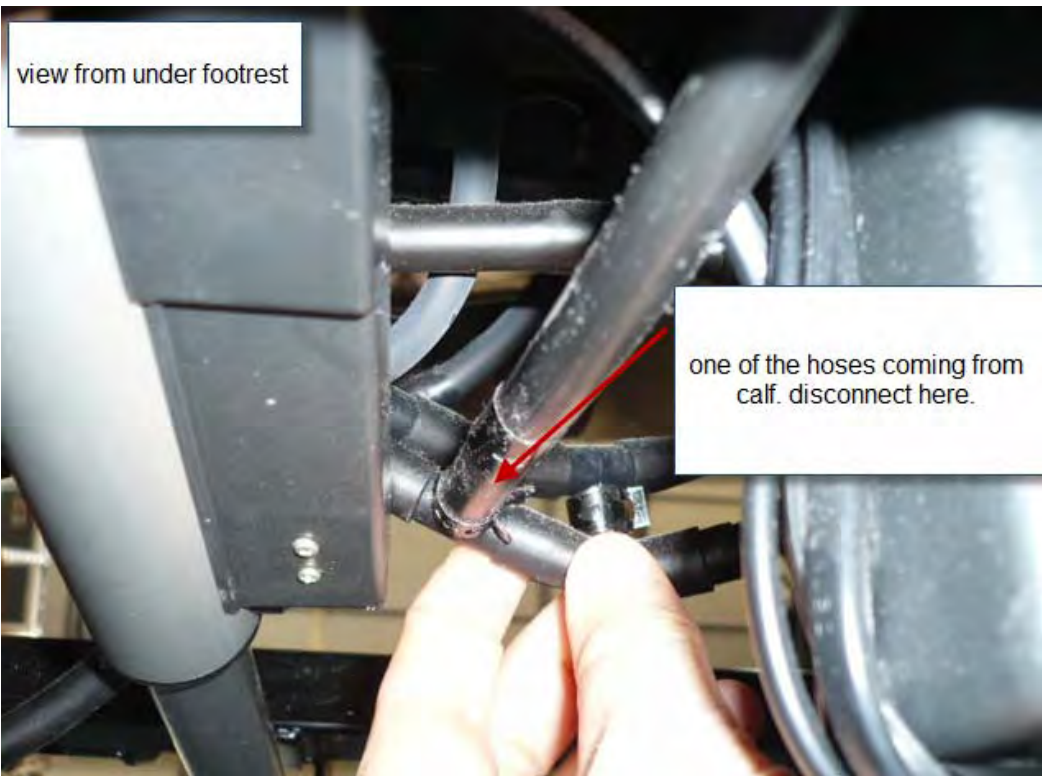
Step 3: unhook the hoses coming from the existing pump assembly to the first connector you find. You can now slide the existing pump assembly from beneath the chair.

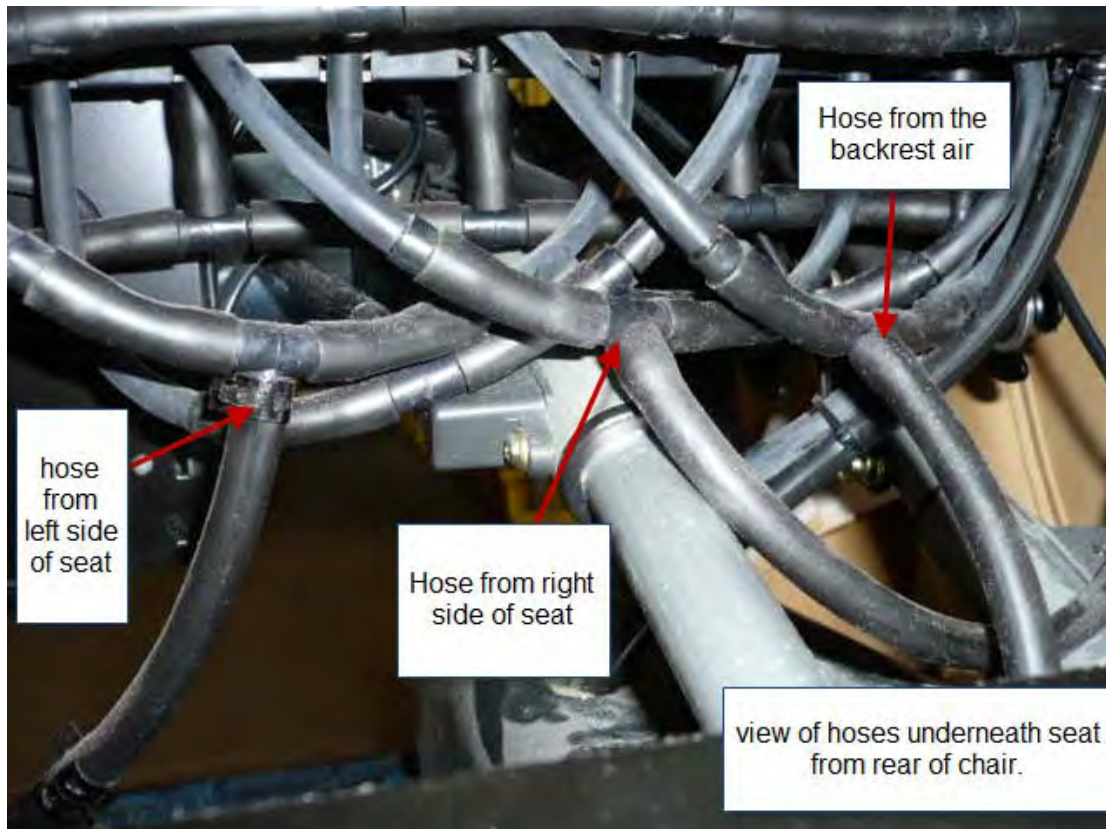


Part 3: Install connector hoses from new compressor assembly to the terminal hoses going to each area receiving air.

Step 1: Locate the hoses coming from each area that is to receive air and disconnect at first junction. There will be two calf air hoses, a left and right seat hose, and a backrest hose. Mark hoses when disconnecting. Remainder of hoses and existing solenoid bank underneath chair seat can be left as is.





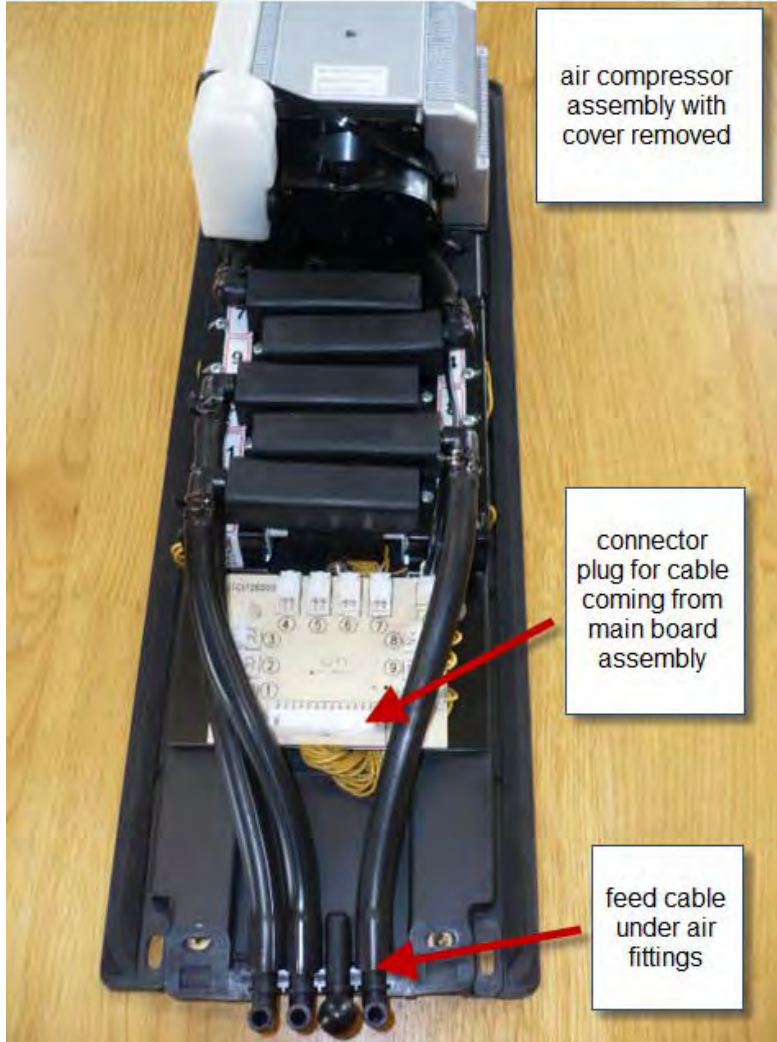


Part 4: Reinstall main board assembly and install new air pump.

Step 1: Reinstall the main board assembly by reversing the instructions at the link used in step 1:
<http://www.premierhealthproducts.com/26-27-boardassembly-replace.pdf>

Step 2: Install the new air pump assembly by removing it's cover and placing in the same spot as the existing pump was removed from and screwing into the frame using the same screws and screw placements as the other pump assembly used. Do not install the lid onto the pump assembly yet.

Step 3: Install air control cable from the main board assembly into the new air pump assembly. Take the cable into the air pump assembly beneath the air fitting connectors and plug into the connector plug on small board on air pump expansion board.



air compressor
assembly with
cover removed

connector
plug for cable
coming from
main board
assembly

feed cable
under air
fittings



Lift air fitting connectors
up and feed connector
cable so cable goes
through slot

Step 4: Put the cover onto the air pump assembly and secure with screws and install the hoses. If the hoses are not long enough use one of the connectors shipped with the new assembly and add another piece of hose also shipped with the assembly.

