

## Replacing the A420 Processor Box

1. Disconnect the air supply at the compressor and unplug the communications (blue) cable.
2. Disconnect all wires and hoses from the processor box.
3. Remove the cover.
4. Remove the four Phillips head screws in the four corners of the inside bottom of the box.

The box can now be removed from the machine.

Install replacement box:

1. Remove the cover
2. Fasten the box to the exercise machine with the four Phillips head screws in the corners of the box.
3. Connect the display wire. It is the only wire with a 6-pin plug.
4. Connect the cylinder wires. These are the 4-pin wires marked with red and blue tape. The red is the right and the blue is the left. Single cylinder machines always connect to the left side.
5. Connect the thumb button wires. These are the 4-pin wires with no mark. They are interchangeable and can be plugged into either thumb button jack.
6. Connect the blue marked hoses to the left hose connectors. Either hose may go to either connector.
7. If this is a dual cylinder machine, connect the red marked hoses to the right connectors. Either hose may go to either connector.
8. Connect the air supply line and communications (blue) cable.
9. Always go through the complete calibration procedure after installing the processor box but before replacing the cover. Insure that the model setting is correct and the displayed units are as desired.



Should the blue and red marking tape have come off or be missing from the left and right hoses, use the following procedure to determine which is which.

1. Disconnect all four cylinder hoses.
2. Have an assistant move the left side exercise arm only.
3. Check for air escaping from two of the hoses. These are the left hoses that connect to the blue coded connector.
4. To be sure, have the assistant move the right side exercise arm and verify that air is escaping from the remaining two hoses. These are the right hoses.

NOTE: Left is the left side as the subject sits in the machine.