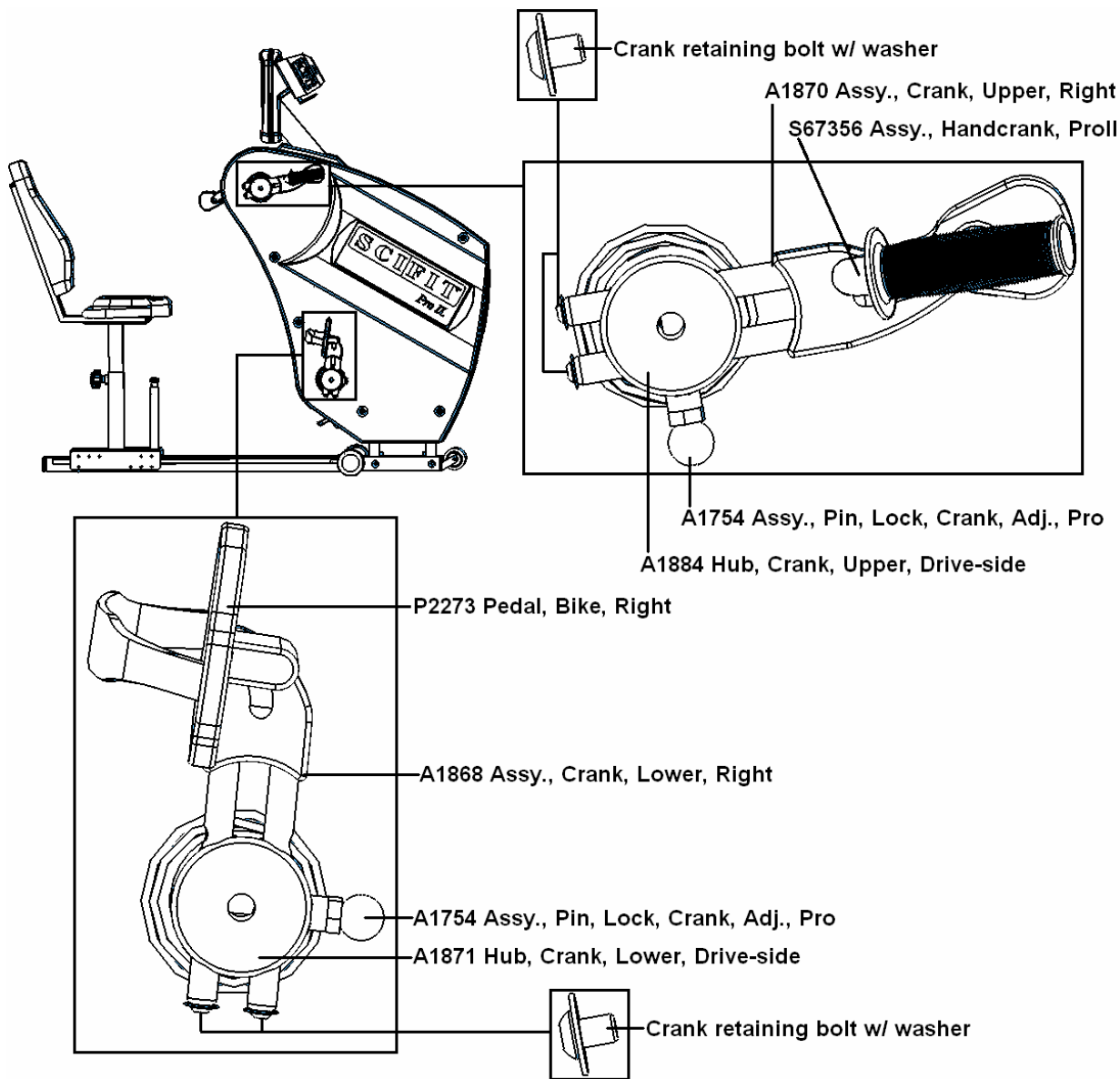
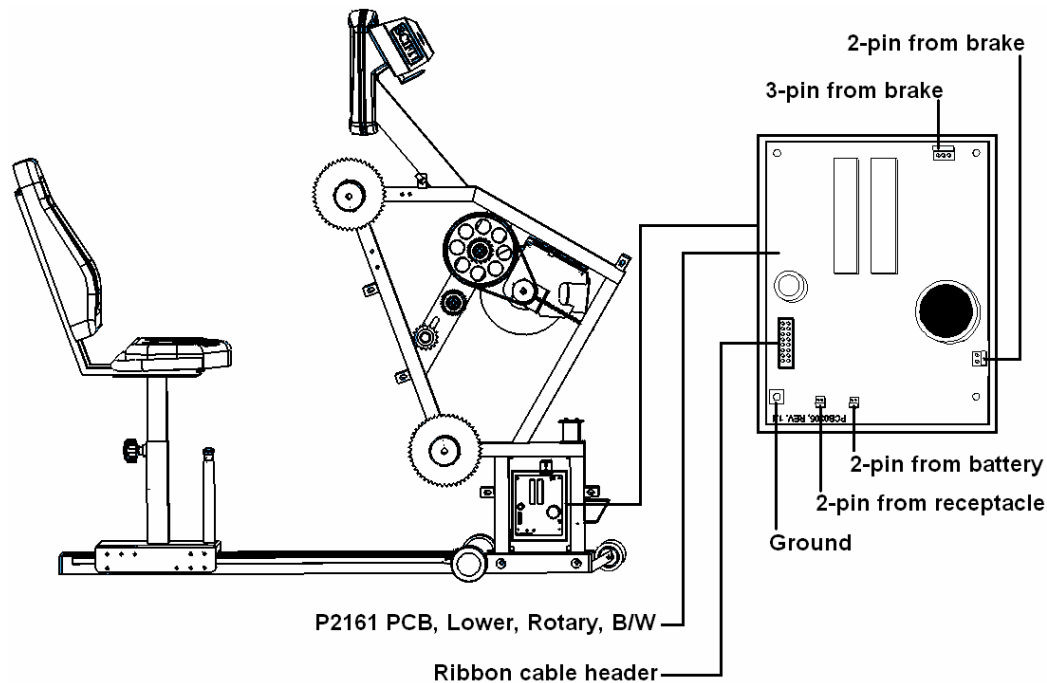


PRO II Lower PCB Replacement (650-005504 and Up)



1. Remove crank retaining bolts and washers, using a 5/32" Allen wrench.
2. On the lower right side crank hub assembly (A1871), pull the black knob on the popper pin assembly (A1754) out and slide the crank assembly (A1868) out.
3. On the upper right side crank hub assembly (A1884), pull the black knob on the popper pin assembly and slide the crank assembly (A1870) out.
4. Remove the popper pin assembly by turning it counterclockwise with a crescent wrench.



5. Remove the six (6) cover screws and washers holding the right side cover in place, using a Philips screwdriver.
6. Locate the lower PCB (P2161).
7. Disconnect all cables to the lower PCB. **Make sure you are grounded when handling electronics. Do not touch any components on the lower PCB. Static damage can occur.**
8. Remove the four (4) screws mounting the lower PCB, using a Philips screwdriver.
9. Remove the lower PCB from the unit.
10. Install the new lower PCB in the exact same orientation as the old one.
11. Reconnect all cables to the new lower PCB. Confirm all connections to the lower PCB match those shown above.
12. Rotate the left upper crank arm to see if the upper display lights up.
13. If the upper display lights up, reinstall the right side cover. If the display doesn't light up, verify your connections again.
14. Reinstall the popper pins on both the upper and lower crank hubs. Use a dab of blue loc-tite on the threads when installing. **Do not torque these down very tight. Over-tightening will cause damage to the threads of the popper pin or crank hub assembly.**
15. Verify the popper pin is functioning properly. Pull the black knob out and then release. The black knob should return to its lowest position. If it doesn't, the popper pin is tightened down too far.
16. Once verified, reinsert the crank assemblies into their respective locations.
17. It is optional whether to reinstall the crank retaining bolts with washers.
18. Rotate the cranks to see if the upper display still lights up. If display lights up, do an operations test. Use different programs to verify unit is working correctly.