

RF Option Installation Instruction Technical Bulletin

Use the following procedure to install an RF option in the AC-4000 Series Retail Scale:

1. Disconnect power
2. Remove (2) Phillips head screws that fasten column display to scale base. Disconnect inline display cable. Remove column display from scale
3. Remove stainless steel platter
4. Remove (4) 7mm hex head screws securing spider. Remove spider from scale
5. Remove (4) 7mm overload stops and (1) 8mm brass sealing screw
6. At the bottom front edge of the scale, remove (2) Phillips screws and (1) 8mm sealing screw closest to front of scale. Detach keyboard ribbon cable from XJ27 connector of main CPU board
7. Detach cable from set-up (calibration) switch board (see Figure 1)

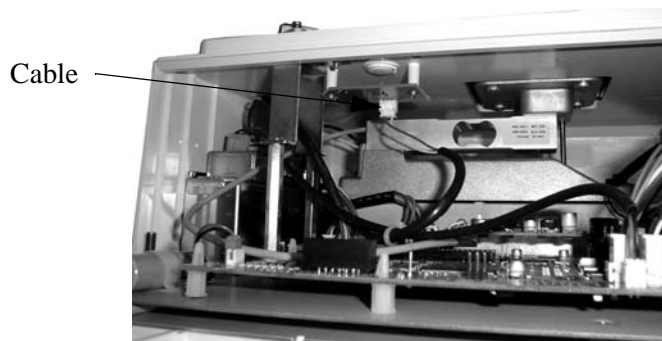


Figure 1. Set-up Switch Board

8. Remove top cover from scale
9. Remove Ethernet cable from XJ13 of main CPU board
10. Connect cable from parts kit (RJ-45 at opposite end) onto XJ13
11. Remove (2) Phillips screws from front support bracket. Remove (2) 7mm standoffs (see Figure 2)

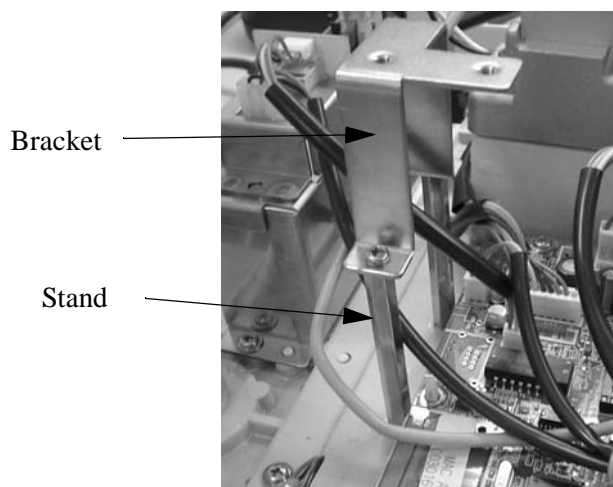


Figure 2. Front Support Bracket and 7mm Standoffs



12. Mount RF circuit board to black L-bracket from parts kit using (2) standoffs and bolts (see Figure 3)

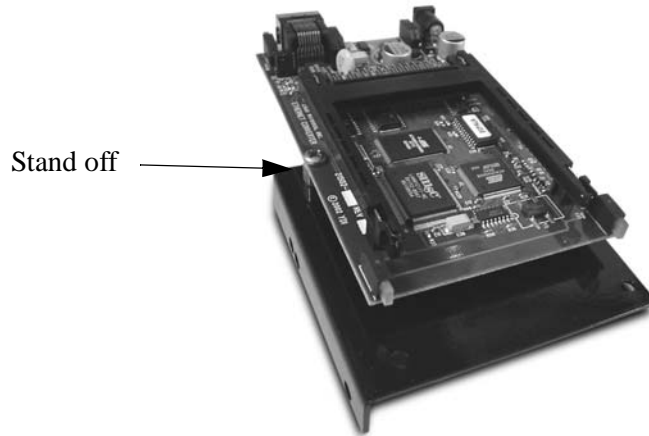


Figure 3. RF Circuit Board and L-bracket

13. Connect Ethernet cable from step 10 above to the RJ45 connector of the RF circuit board
14. Place L-bracket with circuit board in position and mount using (2) 7mm standoffs from the parts kit (see Figure 4)

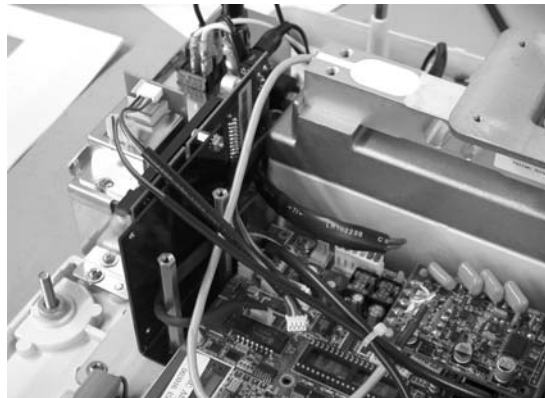


Figure 4. RF Circuit Board and L-Bracket Installed

15. Install front support bracket using (2) Phillips screws on to (2) 7mm standoffs (see Figure 2)
16. Remove the output cable (6 pin connector) from the power supply and XJ6 of main CPU board (see Figure 5)



Figure 5. Output Cable Connections

17. Install the new output cable from the parts kit on the power supply, XJ6 of the main CPU board (see Figure 5), and the power jack on the top, rear of the RF circuit board

18. Install the PCMCIA wireless card into the circuit board (see Figure 6)



Figure 6. PCMCIA RF Card Installed in the Circuit Board

19. Carefully connect power and turn the scale on. Confirm LED lights on the RF circuit board
20. Turn scale off and disconnect power
21. Place the top cover on the scale
22. Reconnect the cable to the set-up (calibration) switch board (see Figure 1)
23. Install (4) 7mm overload stops and (1) 8mm brass sealing screw
24. Place spider in position. Install (4) 7mm hex head screws securing spider
25. Place stainless steel platter on the scale
NOTE: Check alignment and clearance of platter. Adjust spider mounting bolts from step 24 as needed.
26. Connect the inline display cable and mount the column display. Install (2) Phillips head screws that fasten column display to scale base
27. Connect keyboard ribbon cable to XJ27 connector of main CPU board. Install (2) Phillips screws and (1) 8mm sealing screw to secure keyboard assembly
28. Reconnect power cable and turn scale on
29. Enter the scale's IP address and Subnet Mask in step B10 of the setup menu. Refer to the AC-4000 Service Manual
30. Configure the RF card as needed using the supplied YDI Client Manager software
31. Test communications using Ishida software programs ScaleLink Pro or i-View