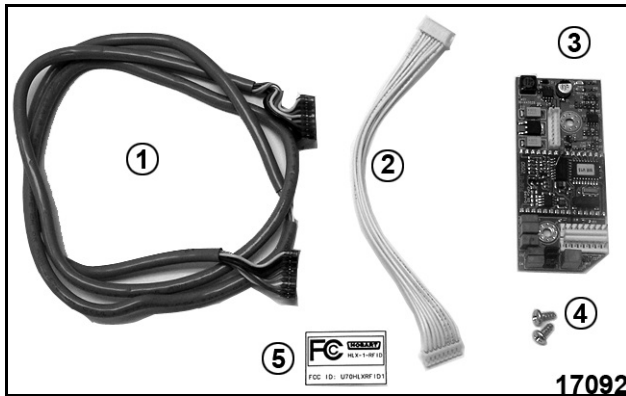


# INSTALLATION INSTRUCTIONS

## RFID UPGRADE KIT PART # 445130

RFID UPGRADE KIT CONTENTS			
ID #	Part #	QTY.	Description
...	...	1	Instructions
1	445099	1	Cable assembly, RFID antenna
2	444847	1	Cable assembly, RFID
3	445029	1	Board assembly, RFID
4	SD-037-71	2	Screw, drive #6
5	445128	1	Label, RFID FCC

### REFERENCE PICTURE



### REQUIRED REFERENCE MATERIAL

HLX Service Counter Scale Service Manual.

### INSTALLATION PROCEDURE

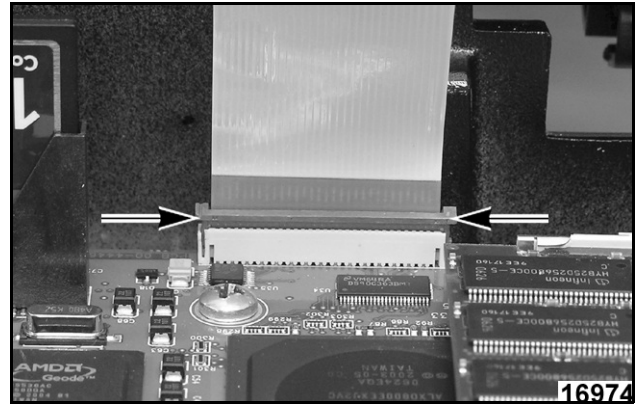
1. Make a backup of the HLX data base.
2. If scale is powered, touch **System > Shutdown** and follow prompts to shut down.



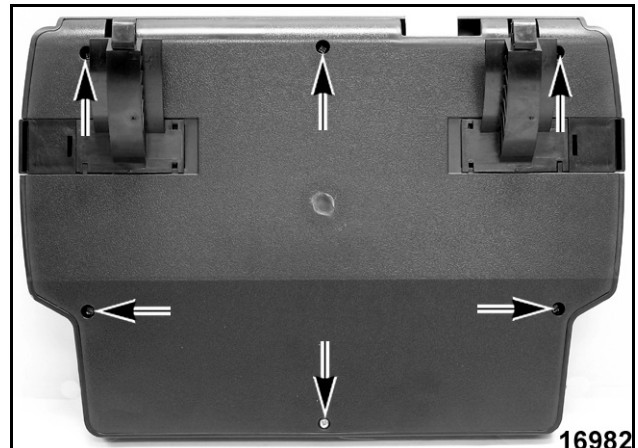
**WARNING:** DISCONNECT THE ELECTRICAL POWER TO THE MACHINE AND FOLLOW LOCKOUT / TAGOUT PROCEDURES.

3. Remove MAIN HOUSING.
4. Disconnect cable from J22 on main board.

**NOTE:** On J22 the retainer that secures the ribbon cable must be pulled up to release pressure on the cable before pulling cable out of connector. When installing, fully seat cable, then press retainer down to secure cable.



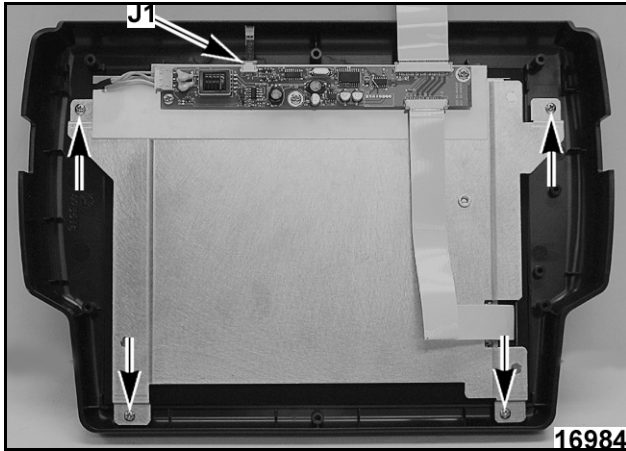
5. Release console assembly from base by pushing in and holding console latch buttons, pivoting the assembly to its highest upward position and lifting console assembly upward.
  - A. Lay on a padded surface to protect touch screen.
6. Remove six screws securing back housing and lift housing off.



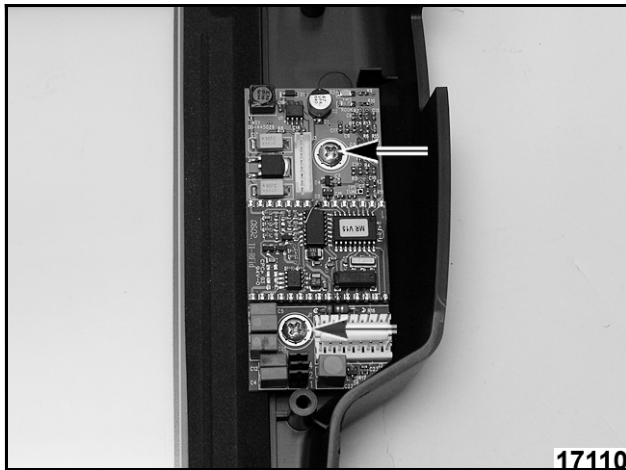
7. Disconnect J1 from console adapter board.

**NOTE:** On J1 the retainer that secures the ribbon cable must be pulled up to release pressure on the cable before pulling cable out of connector. When installing, fully seat cable, then press retainer down to secure cable.

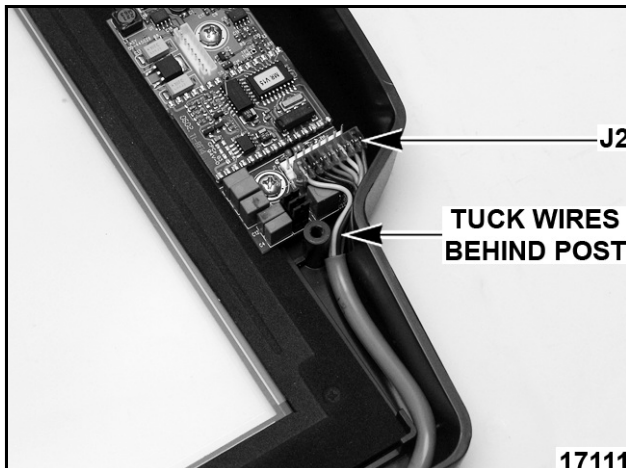
8. Remove four screws securing display mounting plate with display and lift out display assembly.



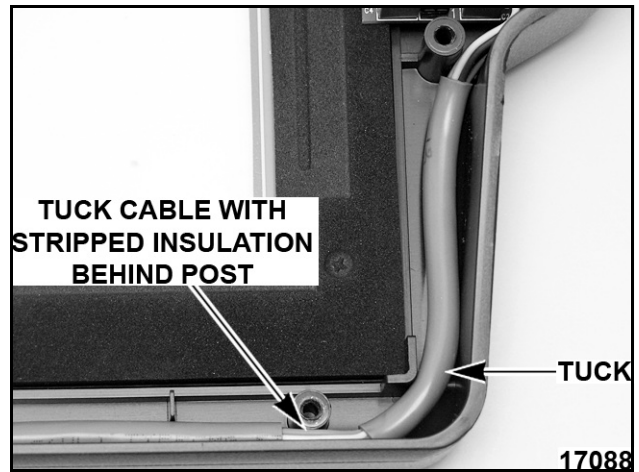
9. Mount RFID board using two screws from kit to secure board to console housing.



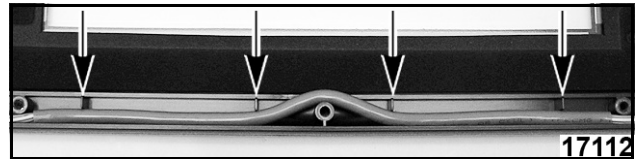
10. Connect antenna cable plug to RFID board J2. Tuck wires behind post as shown and route cable down to corner of housing.



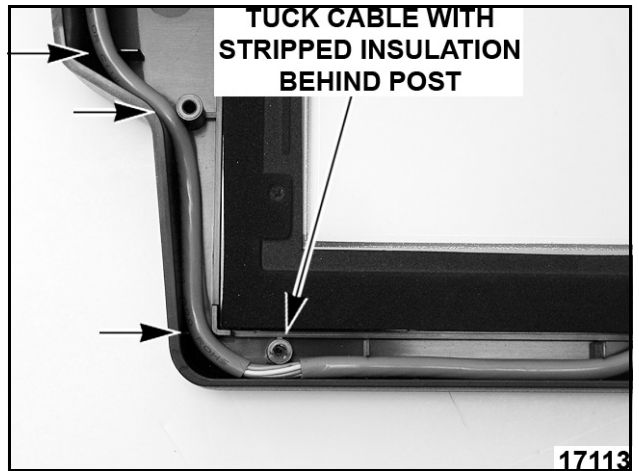
11. Tuck cable with stripped insulation part behind post as shown.



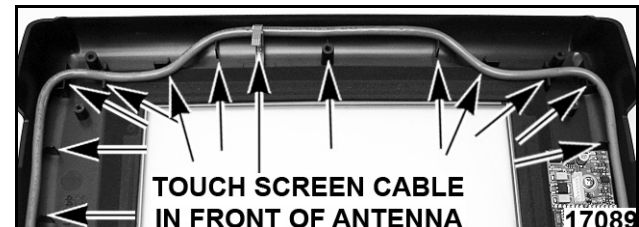
12. Working clockwise, tuck in the other areas as shown.



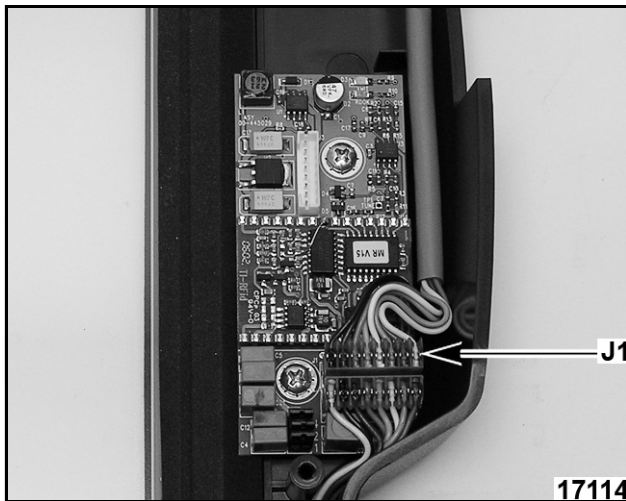
13. Tuck other part of cable with stripped insulation behind post as shown.



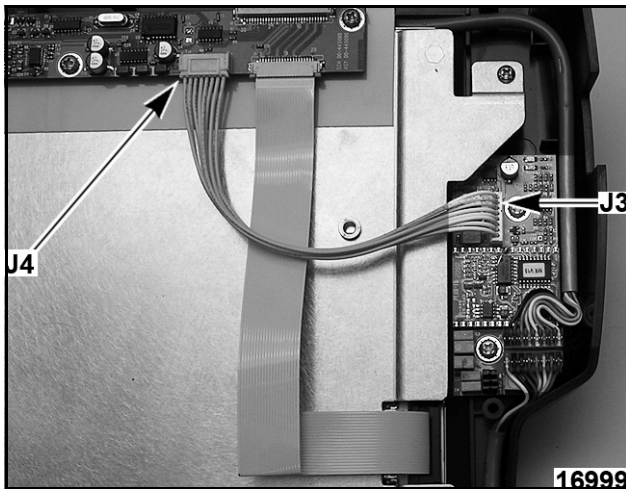
14. Working clockwise, continue to tuck antenna into areas shown. Be sure touch screen ribbon cable is in front of antenna cable.



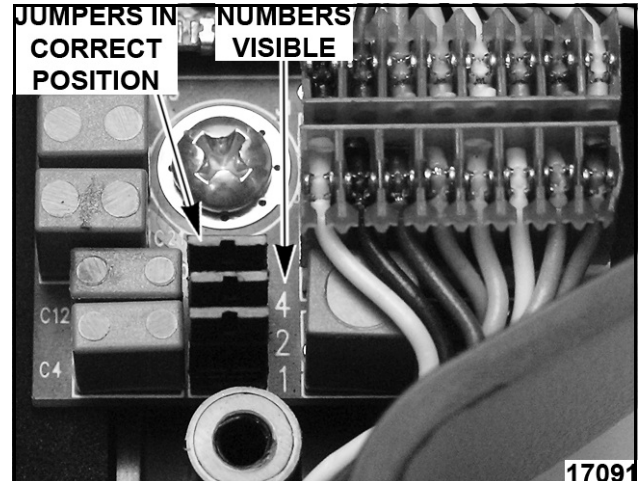
15. Connect antenna cable plug to J1 on RFID board. Dress wires as shown.



16. Make sure hands are clean. Use a cleaner such as Windex® Glass Cleaner. Spray cleaner on lint free cloth and clean all dirt and lint from inside touch screen surface and front of display before reassembly.
17. Reinstall display assembly.
18. Connect end of cable from kit to J4 on console adapter board.
19. Connect cable from console adapter board to RFID board J3



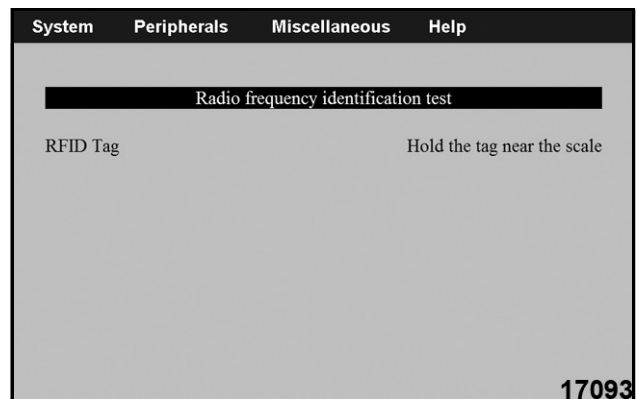
20. Three jumpers must be installed on RFID board. Each jumper is connecting two pins at each location 1, 2, and 4. Numbers 1, 2, and 4 must be visible.



21. Reassemble in reverse order.
22. Apply power to scale.
23. When scale displays the operate screen, insert USB service key.
24. Touch **System > Service Mode > Peripherals > RFID**.

**NOTE:** If RFID does not show in the peripherals menu, check that cable connections between console adapter board and RFID board are good.

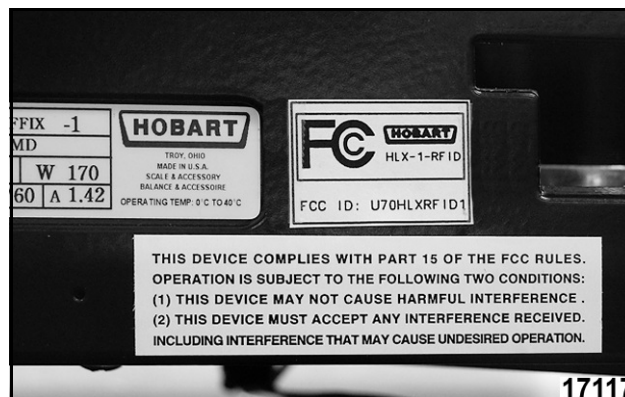
25. Screen similar to below should display.



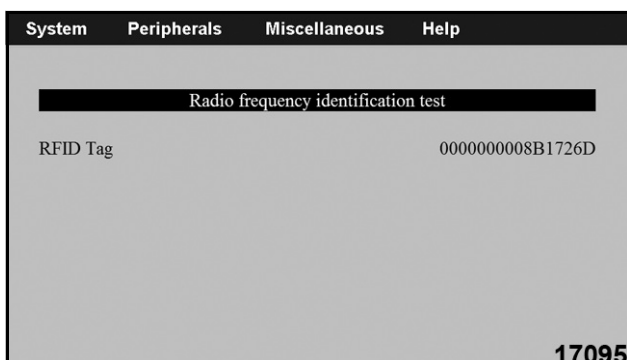
26. RFID tag can be a wristband or other device. Wristband shown.



29. Affix RFID FCC label onto scale next to data plate. This label is required to be in place on any scale using RFID.



27. When tag is within 9" of the center of the display, the display should change to display tag identification number. Face of tag must be parallel with display.



28. When tag is moved out of range, and after a delay, numbers change to all zeros indicating tag is not being sensed.

**NOTE:** If display does not show tag ID number, check that antenna is properly connected to RFID board. If still not operating, check with known good tag. If still not operating, replace antenna and/or RFID board.