

Description: Serial Interface Kit

Kit Number: 0977-0044

For Model: 8450/8461

Kit Description

This kit will add a serial interface to the Model 8450/8461 to allow use with a remote scale base. The kit contents are shown in Figure 1.

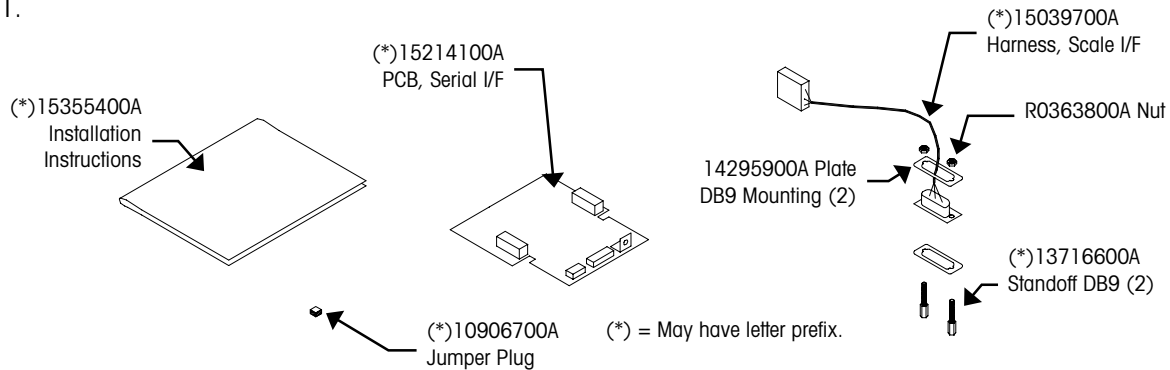
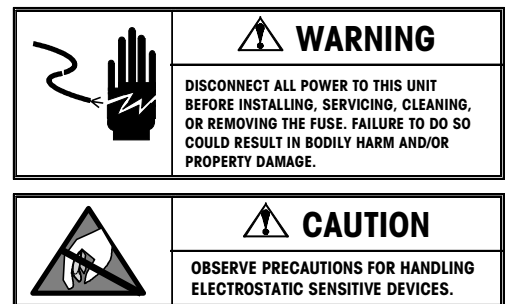


Figure 1: 0977-0044 Kit Contents

Kit Installation

Disconnect the AC power cord from the outlet before proceeding.

Remove the printer cover and dead deck cover. Next remove the top cover screws. Slightly lift the top cover and disconnect the customer and vendor display harnesses, then remove the top cover assembly.



Remove the center mounting screw from the Main PCB. Plug the (*15214100A Serial PCB into the connectors on the Main PCB at: J12/J20 on 8450 J11/J15 on 8461

Plug the (*15039700A Harness into J1 on the Serial PCB.

R0363800A Nut (2)

Mount the DB9 end of Harness (*15039700A in the hole in the base.

(*113716600A Standoff (2)

(*14295900A Plate (2)

Remove the center mounting screw and re-install after plugging in the Serial PCB.

(*) = May have letter prefix.

Figure 2: Installing Serial I/F Kit

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Connecting to the Model 8270 Remote Scale Base

Disconnect power to the Model 8450/8461. Using Cable 0900-0305, connect the DB-9 connector from the Model 8270 scale base to the Scale Interface Port DB-9 connector installed in the Model 8450/8461 base. The Model 8270 scale base must be installed on a stable level surface. The stability and level is adjusted using the scale feet with the bubble indicator on the scale spider as a reference (Figure 3).

Remove cover plate from Model 8270 scale base and install Jumper P/N (10906700A) on both pins of W4. The W1 jumper should already be installed from the factory and jumpers W2 and W3 should be open. (See Figure 4.)

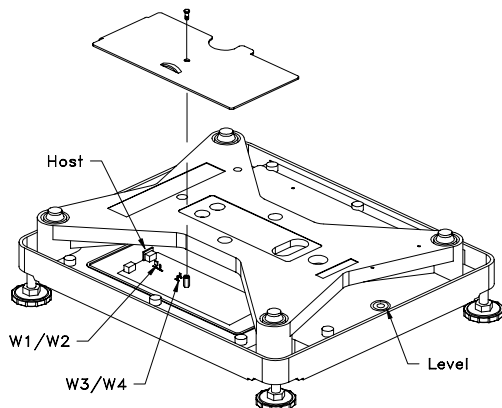


Figure 4: Model 8270 Scale Base

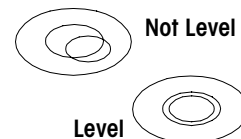


Figure 3: Bubble Indicator

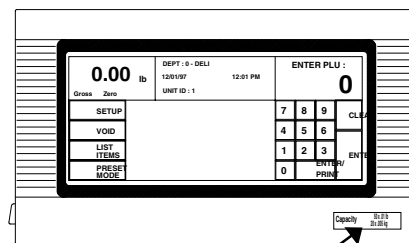


Figure 5: Capacity Label Location

Reassemble Model 8270. Apply either the 50X.01 lb or 20X.005 kg decal from the capacity label (*)14624500A to the front right side of the panel bezel, as shown in Figure 5 (8461 panel shown).

Calibration with the Model 8461

Reconnect AC power and place the power switch to the ON position. First touch the SETUP key, then touch CALIBRATE/INSTALL UNIT. (Note: When prompted to press the calibration button, press the recessed button located on the unit's left side near the AUX DB9 connector. On the next screen, touch the key marked CALIBRATION MENU, then touch ENTER. (Refer to the 8461 Service Manual for details and illustrations).

When the Calibration Menu is displayed, first, touch LOAD CELL: and YES to turn on the load cell port. Next, check the scale capacity, increment size, and weighing units. The scale can be setup for 50 lb X 0.01 lb increments, or 20 kg X 0.005 kg increments.

Touch the DOWN key to display the next page, then touch the key marked CALIBRATE. Make sure the Model 8270 scale platter is installed and empty, then touch the ENTER key. The Model 8461 will count down to zero from 15 while zero is acquired. Do not disturb the scale during this procedure. If any errors are reported, refer to the Model 8461 Service Manual.

When zero is has been acquired, you will be prompted to enter the value of the test weight used for setting span. Use a minimum of 20 pounds (or 5 kg when calibrating in metric). First place the test weight on the scale platter, then enter the test weight value and press ENTER. When span has been set, press the QUIT, until you return to the home screen.

Calibration with the Model 8450

Reconnect AC power and place power switch to the ON position. Insert the Setup Mode Keyboard Overlay. (Refer to the Model 8450 Service Manual for details and illustrations.) First press the SETUP MODE key. If asked for a password, press the CAL Switch, located on the unit's left side near the AUX DB9 connector.

Press the CAL key. Press UP or DOWN to display **LOAD CELL**, then press ENTER. Press UP/DOWN to display **EXT-8270**, then press ENTER to accept. Next, press the UP or DOWN keys until **CALIBRATE** displays, then press ENTER. The display will show **EMPTY SCALE, ENTER**, indicating to make sure the Model 8270 platter is empty, then press the ENTER key. The lower display will show **CAPTURING ZERO**, while the upper display counts down from 15 to 0 while setting zero. Do not disturb the scale during this procedure. If any errors are reported, refer to the Model 8450 Service Manual.

When **LOAD: 20.00** displays, place a minimum of 20 lb or 10 kg on the Model 8270 platter, enter the value of the weight on the platter, then press ENTER. The lower display will show **CAPTURING SPAN...** while the upper display counts down from 15 to zero while setting span. When calibration is complete, the display will show **CALIBRATED!!!**. Press CLEAR until the display returns to **READY**.