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| Additional Notes: |
| 1 sheet, 1 fold |

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| <ol style="list-style-type: none"> printed two sides printed black tolerance: ± .13 see sheet 2 for artwork printed in country may vary drawings not to scale | | | | | | F-Series Hand Punch Top Panel Replace Instruction | | | | | | | |
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70200-0028

F Series HandPunch Top Panel



Assembly Replacement

Installation Instructions

The following instructions apply to all F Series HandReader versions.

▲ CAUTION: The circuit boards within the HandReader are ESD sensitive. Observe proper ESD precautions when handling the unit.

▲ CAUTION: This procedure requires erasing the existing hand templates. Save the existing hand templates before proceeding.

1. Unlock the HandReader and rotate. See figure 6 on the last page of this instruction.

▲ CAUTION: If the unit is equipped with the optional battery backup, remove the J7 jumper before proceeding. See figure 2 on the next page for location of J7.

2. Disconnect the power supply from the board.
3. Remove and tag all external connections to make correct re-attachment.

4. Remove HandReader from wall by sliding it to the right, away from the wall mount. See figure 1 below.

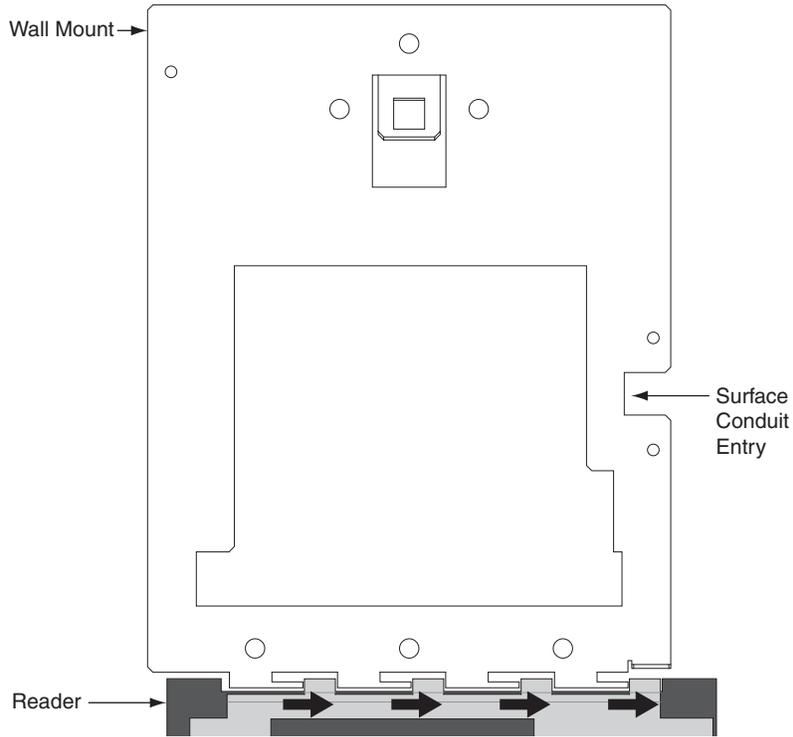


Figure 1

CAUTION: Before removing back plate of reader, wear a grounding wrist strap to help aid in protecting the circuit board from any ESD damage that might occur from improper handling.

5. Set the reader on a firm surface such as a table. Remove the four screws that secure the back plate to the HandReader. Remove the grounding screw and/or ground lug (if present). See figure 2 below.

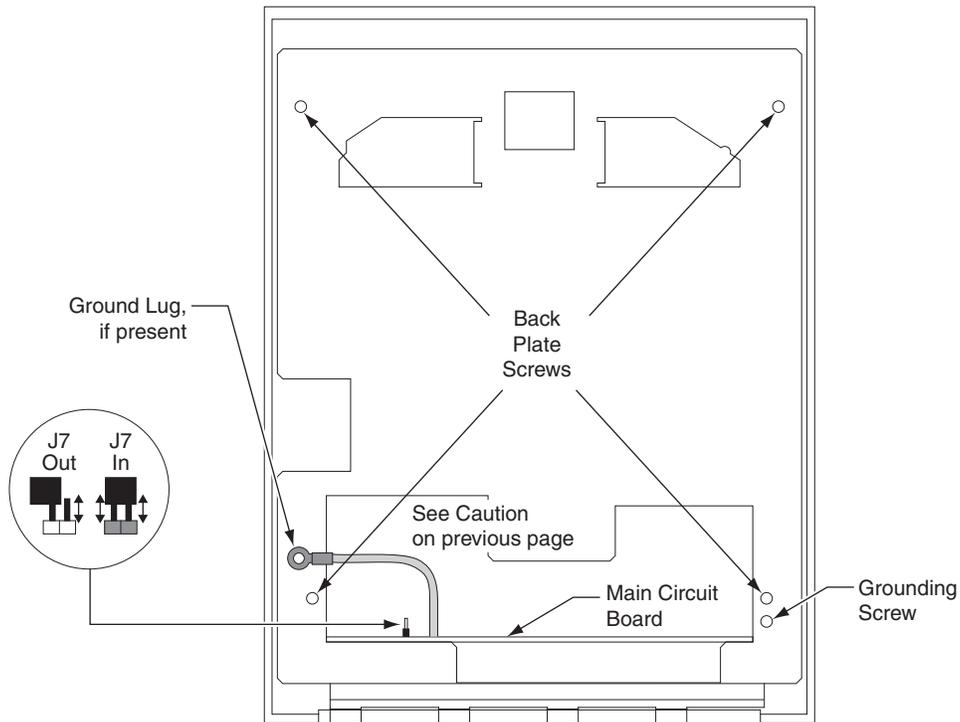


Figure 2

6. Locate the cable that runs from the top panel PCB to the main circuit board. Disconnect this cable from J3 on the top panel PCB. To remove the J3 connector on the top panel PCB, depress the retaining clip on the connector and pull downwards. If the optional battery backup is installed, disconnect the battery cable from J4 on the top panel PCB. See figures 3 and 4 below.

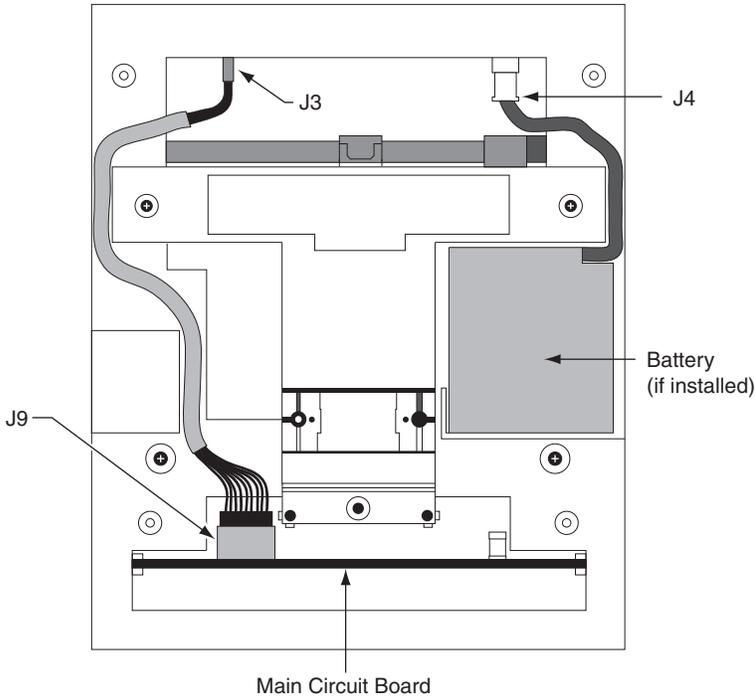


Figure 3

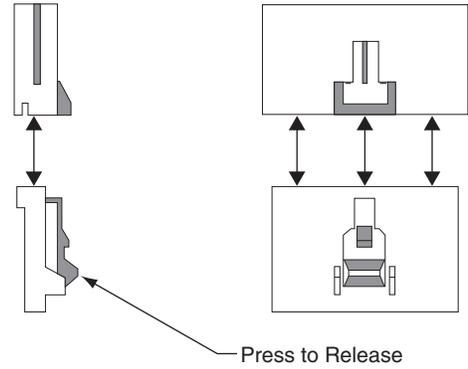


Figure 4

7. Remove the two screws that hold the top panel assembly to the front case. Carefully slide the top panel out from the front case. See figure 5 below.

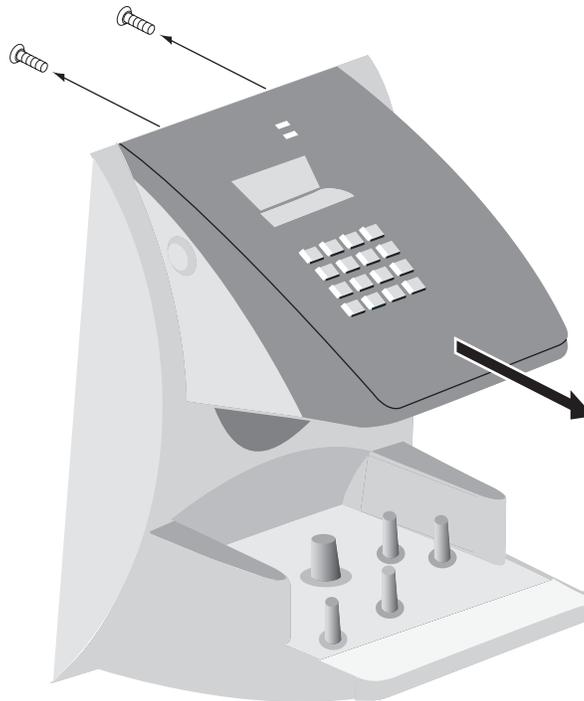


Figure 5

8. Carefully align and install the new top panel assembly. Secure with the two screws removed in step 7 above.

▲ CAUTION: Torque the top panel screws to 3.8 – 4.4 in. lbs. (.43 - .49 Nm). Excessive torque may damage the screw bosses in the top panel.

9. Locate the cable that runs from the main circuit board to the top panel PCB. Route the cable as shown in figure 3. Re-insert the connector into J3 on the top panel PCB. Make sure the connector snaps into J3.

CAUTION: If the battery backup option is installed, replace the J7 jumper. Be sure that both pins of J7 are shorted by the jumper. See figure 2. Re-connect the battery cable to J4 on the top panel PCB. See figures 3 and 4.

10. Replace the back plate. Attach the grounding screw to the main circuit board using the lower right hole on the back plate. If a ground lug is present, do not allow it to come into contact with J7. Secure the back plate with the four screws removed in step 5.

CAUTION: Torque the back plate screws to 3.8 – 4.4 in. lbs. (.43 - .49 Nm). Excessive torque may damage the screw bosses on the front case.

11. To re-install the HandReader, reverse steps 1 – 4.

CAUTION: Do not force the HandReader onto the wall mount when the latch is in the locked position.

12. With the key in the unlocked position, rotate the HandReader back upright. Turn the key counter-clockwise to lock the HandReader into place. See figure 6 below.

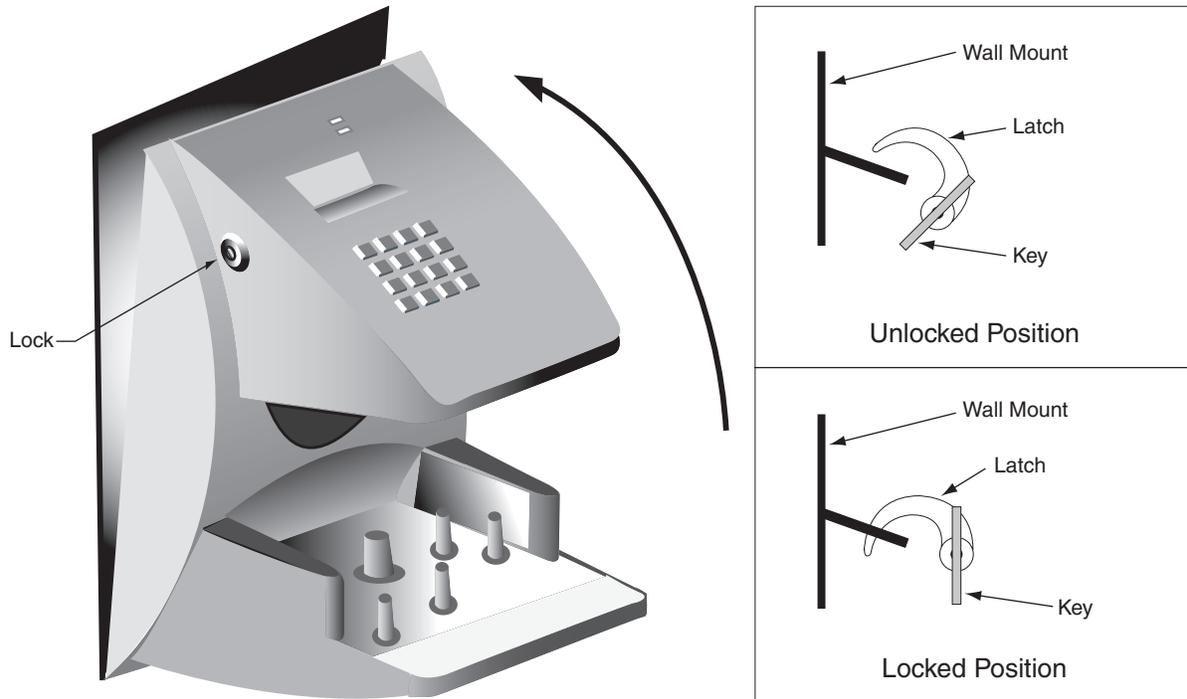


Figure 6

Customer Service

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