CryptoPay ACW 4/5 Retrofit Kit

Innovative Payment Solutions
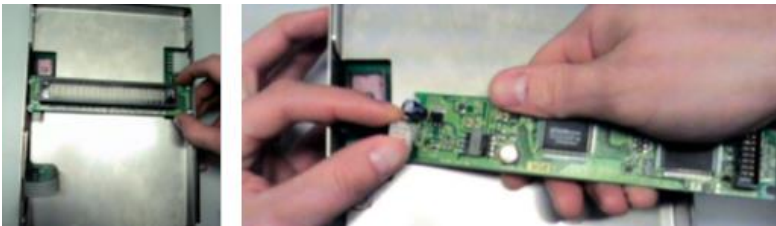

Note: a 120VAC receptacle in the ACW cabinet is required.

Parts Supplied:

- CryptoPay Card Swiper with ACW 4/5 Firmware.
- ACW 4/5 LED Display with Radio Transceiver Circuit Board.
- CryptoPay Lexan Cover plate for the outside of the ACW.
- Red Display Lens Cover.
- Tap connectors and hardware.
- Swiper power supply and harness.

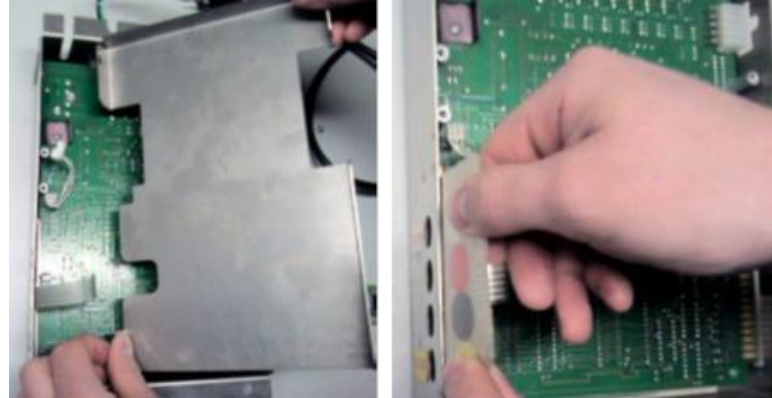**Assembly: (Note: Swiper and Display are a matched set, A to A, B to B, etc.)**

Step 1: Preparation

- Remove Power from ACW Controller and unplug all connectors. Failure to remove power could result in electrical shock.
- Remove 4 screws holding Vacuum Florescent Display in place. Note: Keep all original hardware
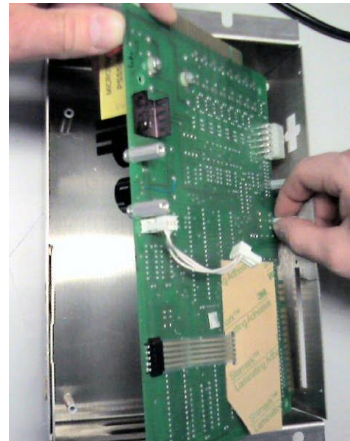- Unplug 3 Pin connector from Display

Step 2: Circuit Board Removal

- Remove 4 screws holding stainless steel pan and lift out pan
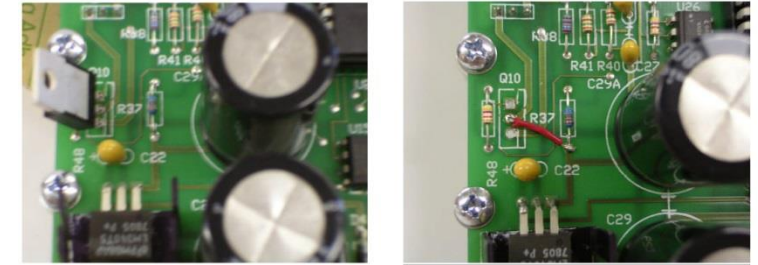- Gently pull out contact switches

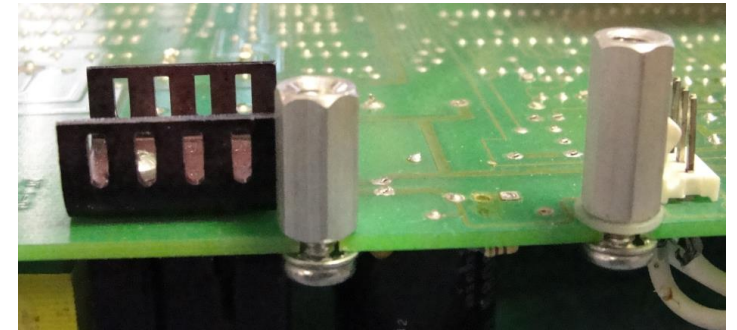- Remove 4 screws holding circuit board and pull the board out of the case

Step 3: Circuit Board Modification

- Turn circuit board over to component side. Cut component Q10 off of circuit board and discard
- Solder wire from the center pin of Q10 to the bottom of R37 as shown below.

- Before re-installing the circuit board into the case, replaced the original display standoffs with the four shorter ones provided in the kit.
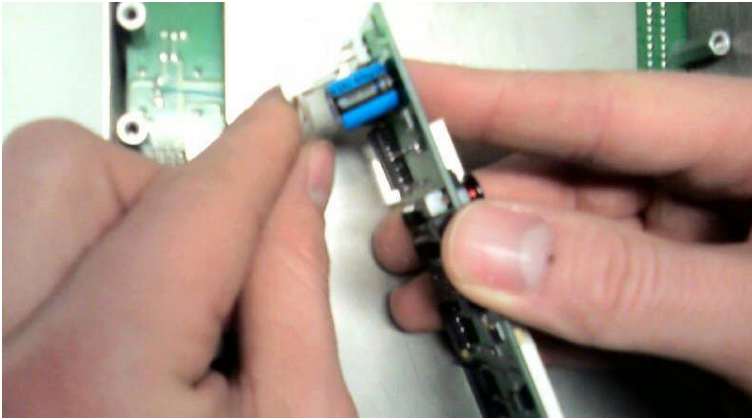
Step 4: Reassembly

- Place board back into case
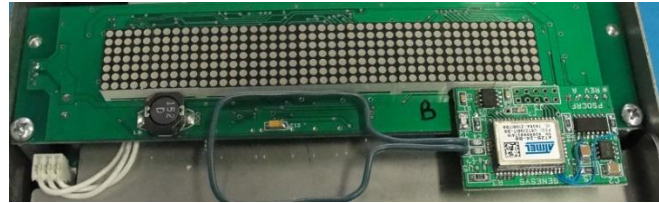- Reinstall contact switches and stainless steel pan

- Plug 3 Pin connector into new Dixmor display (Connector is keyed and should slide in with little force)

Step 4: Reassembly (Continued)

- Install new display.
- When attaching the new display, replace the top two screws with the included hardware and red filter (For units with the MARS bill validator kit installed, the display board has been modified to fit into the extended display box).

- Mount the new Lexan cover plate and CryptoPay card swiper to the ACW 4/5.

Step 5: Final wiring and setup

- Reference the ACW – 4 Split Harness (Right Side) diagram for the two steps below.
- Connect one red/green stripe wire (these two red/green stripe wires are interchangeable) from the CryptoPay swiper to the Pink wire on the ACW Split Harness (wire to pin 1 on DC Card Edge 18 Pin Connector). Use the red connector to tap into the wire and then press the spade connector into the end of the red connector.
- In the same manner as above, connect the brown wire from the swiper power harness to the brown wire on the ACW Split Harness (wire to pin 16 on DC Edge 18 Pin Connector).
- Connect power to the card swiper with the power harness to a 120VAC receptical. Yellow to 24 V Hot, black and the other red/green stripe wire to 24V Common.
- The Grey wires are not required for installation – please tie off and insulate.

Additional Operational/Installation Notes:

For the following steps: Yellow button on controller is used to enter programming menu and select choices or move down one level in menu. Red and Blue buttons are for moving up and down through choices. White button is used for moving one level up in menu. Note follow all four steps.

- Set Up ACW operation after the retrofit is complete (refer to Hamilton doc. #101-0044 or #101-0107):
  - The first Welcome Prompt must be **Welcome!**
  - The first Proceed Prompt must be **Thank You**
  - View the four **Item Names** to teach these names to the new display and swiper
  - View the four **Item Prices** to teach these prices to the new display and swiper
- A cryptoPay Coordinator is required to confirm the cc operation.