

TECHNICAL SERVICE BULLETIN

Symptom: LCD Display Fault

Affected Products: LCD Display Controller, Digital Air Controller

Actions Required: Remove stand-off to correct blank display

Summary:

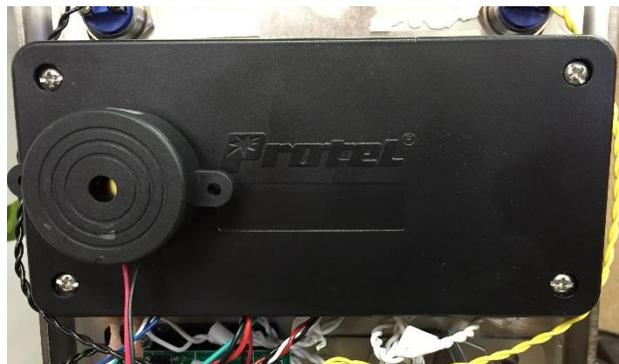
It has been discovered that one of the stand-offs used on the LCD Display Controller and Digital Air Controller can prevent the display from receiving proper operating voltage resulting in a blank display. Actions outlined in this service bulletin are recommended for all LCD Display Controllers and Digital Air Controllers.

Procedures for removal of LCD Display Controller / Digital Air Controller stand-off

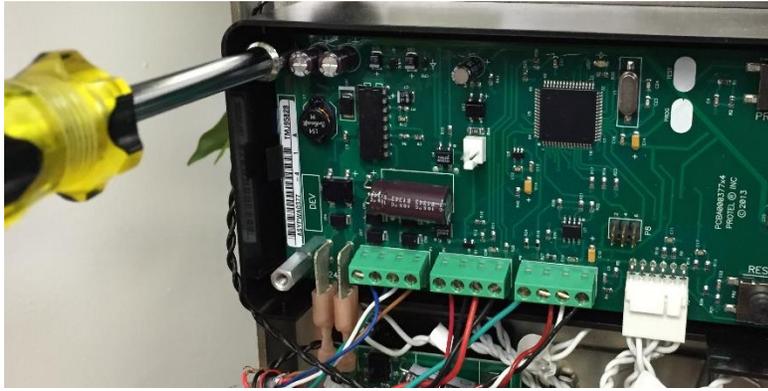
IMPORTANT!!!

Remove 24VAC power before opening the enclosure cover by disconnecting the 24VAC transformer or removing all power from the machine.

1. Remove four Phillips head screws securing the cover to the LCD Display Controller, Digital Air Controller enclosure.



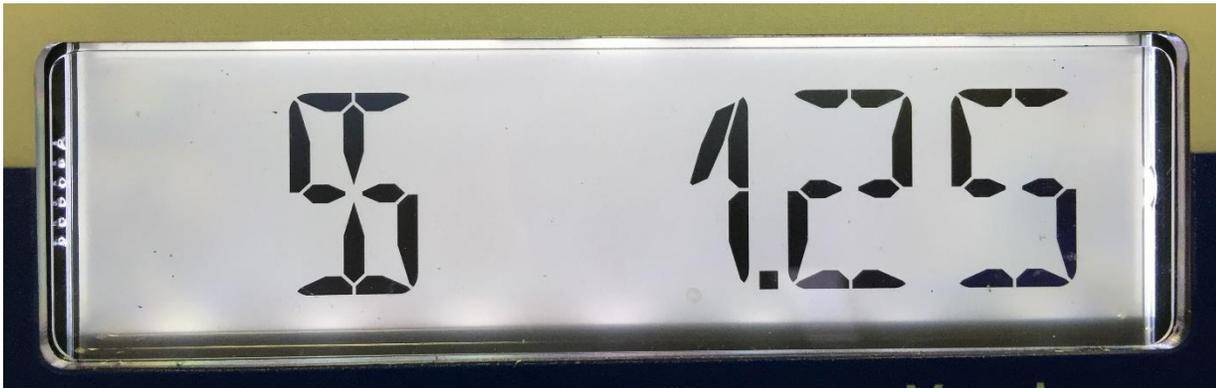
- Using a ¼" nut driver or equivalent remove the top-left metal stand-off



- Re-install the LCD Display Controller, Digital Air Controller enclosure cover using three Phillips head screws.



- Confirm normal operation of the LCD display and backlight.



If, after removing the stand-off as described above, the display remains blank follow the troubleshooting procedure outlined below:

1. Verify Power is on where transformer is plugged in (approx.110vac - 120vac).
If 0v check breaker and trace if necessary.
2. Verify transformer output voltage (24vac).
If 0v replace the transformer (p/n ASY0000359-02).
3. Measure for voltage (24vac) on power terminals with power lines attached to the display board.
 - a. If 0v, check all connections between the transformer to payment tower for loose or faulty connections. Disconnect incoming wires from display board and measure voltage on the wires. If it is 24vac, then replace the display board.
 - b. If 24vac is measured at the power terminals but the display remains blank, then replace the LCD Display Controller (p/n ASYPWA0377-00).