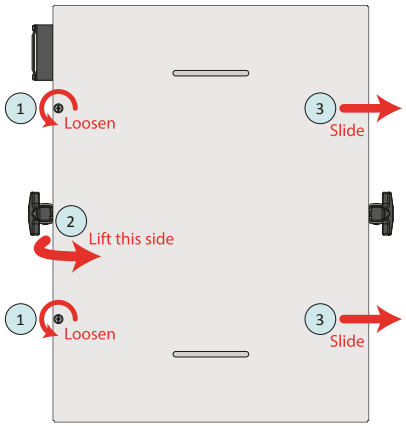

Figure E22. Removing PCB chassis lid.

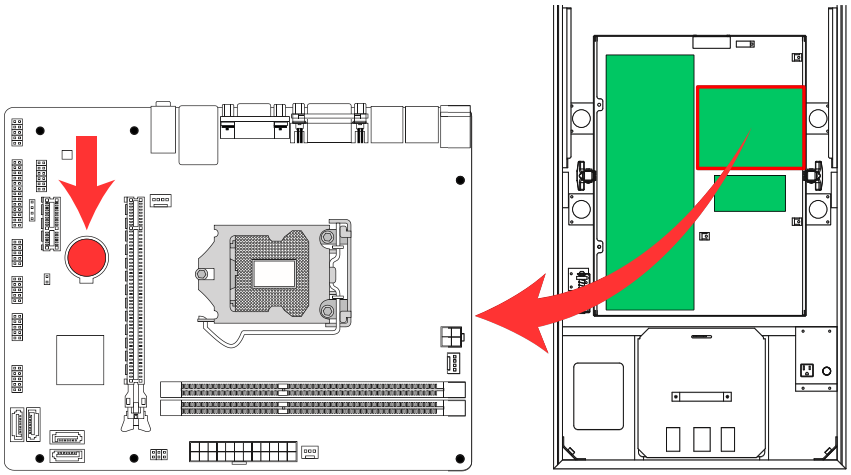

Figure E23. CPU board and battery locations (games manufactured before Oct 1, 2013).

E.6 Replacing Your Game's CPU Battery

Your game's CPU board uses a 3V coin cell, lithium battery (CR2032) to maintain its basic input/output system (BIOS) settings when the game is powered down. If these settings are lost, the CPU will not boot when the game is powered up. The life expectancy of the CR2032 battery is approximately three years. It is important to change your game's CPU battery before it discharges below 3V. However, in order to preserve the CPU's BIOS settings, the change must be made while the game is powered on. A step-by-step process for replacing the battery is provided below.

1) Power the game on and remove the playfield glass (see pg A-7). Leave the coin door open.

2) Lift the playfield up out of the cabinet and lean it up against the backbox (position 4, pg A-9).

3) Remove the lid of the Cabinet PCB Chassis (see figure E22): (1) Loosen the two captive thumbscrews on the lid of the Cabinet PCB Chassis. (2) Lift the left edge, (3) slide the lid to the right and lift upward to remove it. **CAUTION**: Be very careful not to drop anything inside the PCB chassis!

4) Locate the CPU board (upper right corner of the PCB chassis), then the shiny, CR2032 coin cell battery & holder mounted on its surface (see figure E23 or E24). Note the orientation of the battery in its holder (with the battery label/imprint facing *outward*).

5) Cut a 3-inch long piece of masking tape and fold it 1 inch from the end. This should form a 1-inch long "handle" and leave a 1-inch long adhesive end.

6) Briefly touch the lockdown bar receiver on the game to dissipate any static charge in your body ***before*** touching the CPU board.

7) Carefully affix the adhesive portion of the tape onto the top of the CR2032 battery, applying moderate pressure. **WARNING**: Do ***not*** flex the CPU circuit board! Rub the surface of the tape, back and forth, to ensure that it attaches well to the battery - ***not*** the holder.

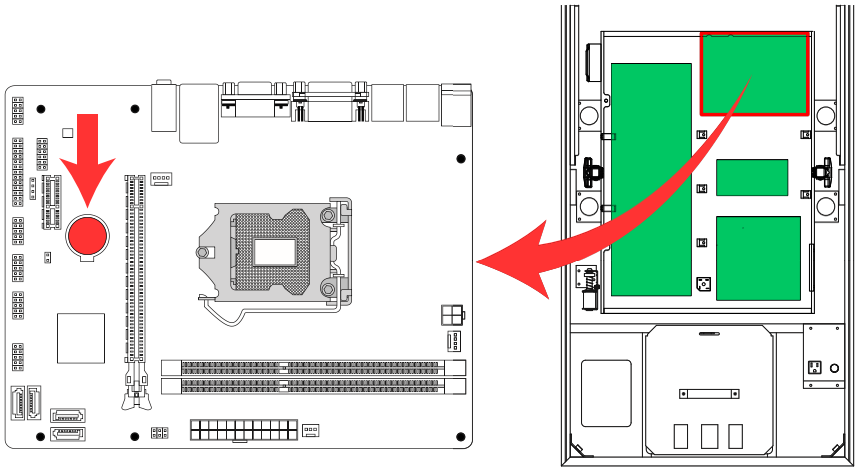

Figure E24. CPU board and battery locations (games manufactured on/after Oct 1, 2013).

8) Holding onto the tape "handle" with one hand, free the battery from its holder clip with the other. Ensure that the battery does not touch anything on the surface of the CPU board as you pull it out of its holder and away from the PCB Chassis.

9) Pull the tape "handle" off of the old battery and apply it to the top of a new CR2032 battery.

10) Again, momentarily touch the lockdown bar receiver on the game.

11) Holding the new battery's tape "handle", carefully insert it into the battery holder, in the same orientation as the old one (battery label/imprint facing *outward*). Ensure that the battery snaps into its holder properly.

12) Carefully remove the tape "handle" from the top of the new battery, ensuring that you do not pull the battery out of its holder in the process.

13) Replace the Cabinet PCB Chassis lid: Align the lid with the PCB chassis. Slide the two notches on the lid into the slots near the top of the right chassis side. Lower the left edge of the lid until its thumbscrews align with the PEM inserts on top of the left chassis side. **CAUTION**: Be careful not to pinch any wires in between the lid and the chassis! Hand tighten both thumbscrews down firmly.

14) Lower the playfield back down into the cabinet.

15) Slide the playfield glass back into the cabinet.

16) Replace the lockdown bar and close the coin door.

Note: If your game's CPU battery discharges below 3V (or if you remove the battery) while the game is turned off, all BIOS settings will return to factory defaults. As a result, your game will not boot properly the next time you attempt to power it up. In this case, contact JJP® technical support for assistance in restoring your CPU BIOS settings and getting your game to successfully boot again.