

SafeRAM™ Clear

A SafeRAM™ Clear erases information stored within battery-backed random access memory (RAM). A Complete SafeRAM™ Clear is essential before the first use, when EPROMs are changed, or if game



Note: Jumper and DIP switches are enabled only once after each Complete SafeRAM™ Clear.

memory becomes corrupted.

There are three levels of SafeRAM™ Clear:

- **Complete** — Erases and reformats SafeRAM™. Game options are restored to factory default. All counters (soft meters) reset to zero.
- **Full** — Resets all counters to zero except the SafeRAM™ Clear counters. Game options are restored to factory default.
- **Partial** — Zeros all counters except SafeRAM™ Clear. All game configurations defined by DIP switches, jumper selections and game options are preserved.

For a Complete, Full, or Partial SafeRAM™ Clear, turn the machine power off. Unlock and remove the MPU assembly. If SafeRAM™ Clear EPROMs are required, remove the Main EPROMs from U28 and U43 and replace them with the corresponding clear chips. If EPROMs are not required, turn DIP DS1 sw8 ON. After ensuring that the MPU assembly is firmly seated



NOTE: A SafeRAM™ Clear for MC=28 requires a SafeRAM™ Clear EPROM, and DS1 sw8 to be enabled (ON).

into the backplane board, turn the machine power on while depressing the appropriate buttons.

Complete - Press and hold the PSEUDO COIN and TEST



NOTE: The TEST and PSEUDO coin buttons can be located by referring to the pictures on pages 2-5 and 2-6.

buttons, then switch power ON. When the message **CH C** displays in WIN PAID, release the PSEUDO COIN and TEST

buttons. The **CH C** message is followed by **CL C**.

Full - Press and hold the PSEUDO COIN button, then switch power ON. When the message **CH F** appears in WIN PAID, release the PSEUDO COIN button. The **CH F** message is followed by **CL F**.

Partial - Switch power ON. The message **CH P** displays in WIN PAID. The **CH P** message is followed by **CL P**.

If an error was detected during SafeRAM™ Clear as designated by **E C**, **E F**, **E P** in WIN PAID, repeat the operation.

Upon a successful SafeRAM™ Clear, the button and tower lamps flash. Switch power OFF and replace the SafeRAM™ Clear EPROMs with the Mains, or turn DS1 sw8 OFF. Replace the MPU assembly and switch machine power ON. The machine will enter a Reel Calibration Procedure whereby the home position is recorded in SafeRAM™. For tilt-free operation, it is important that



NOTE: If door open or MPU logic detection circuits are enabled, an audit key switch activation is required to remove the 82/85 code after power is switched ON.

the procedure completes without interruption.