

# DIAGNOSTIC AIDS

## OPEN THE DOOR

If this **display flashes**, the game is indicating that **CMOS RAM** memory (*CPU Loc. U212*) has been corrupted. This is caused by either failure in memory (e.g. *batteries are dead and/or faulty RAM*) or upon installation of updated version of game code. Opening the **Coin Door** will initiate a *Factory Restore (Reset)*, by opening the **Memory Protect Switch**. Check battery voltage at **VBATT Test Point** on the **CPU/Sound Bd.** (more details in *Section 5, Chapter 4, PCBs*).

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## OPERATOR ALERT! #2 AUTO LAUNCH COIL MALFUNCTION

This **display** is shown momentarily during **Game Mode** or **Power-Up** to alert the operator of a coil malfunction (*coil doesn't energize or coil fires a multiple number of times*). **OPERATOR ALERT!** works by monitoring any *switch activated coil* that has the potential to trap a ball when disabled (e.g. *in the Auto Launch, Scoop, Eject, etc.*). This alert can also appear

if a switch associated with a coil (e.g. *#16 Shooter Lane & #2 Auto Launch*) is stuck closed (*caused by a switch jam or stuck ball*); the **CPU/Sound Board** will activate the coil approximately ten times and if the switch remains closed, the game will report this switch in **Technician Alerts** & will indicate the *following display warning*:

## PLEASE CHECK TECH REPORT PORTALS->DIAG->TECH

If this **Tech Report Alert flashes** (along with an audible sound), the game has detected faulty switches and/or missing pinballs. Select the "TECH" *Icon* for information (review *Technician Alerts, Pages 24-25*). For this **Alert display** to appear, *Standard Adj. 49, must be changed to POWERUP, COIN DOOR or POWERUP AND COIN DOOR, the default is NEVER* (review *Section 3, Chp. 4, GO TO ADJUSTMENTS MENU, Standard Adjustments, Page 44*).

*NEVER* (review *Section 3, Chp. 4, GO TO ADJUSTMENTS MENU, Standard Adjustments, Page 44*).

## CPU DIP SWITCH SETTINGS

Location of Dip Switch [SW300] is on the CPU/Sound Board (Right of CN6, Top Middle)

**SW300** KSD08H

CPU COUNTRY SETTING:	Pos:	1	2	3	4	5	6	7	8
<b>USA</b>	ON	▼	▼	▼	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>France</b>	ON	▲	▲	▼	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Norway</b>	ON	▲	▲	▲	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Austria</b>	ON	▲	▼	▼	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Germany</b>	ON	▲	▲	▲	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Portugal</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Australia</b>	ON	▲	▲	▲	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Greece</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Italy</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Spain</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Canada</b>	ON	▲	▲	▼	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Sweden</b>	ON	▲	▲	▲	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Japan</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Switzerland</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Croatia</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Middle East</b>	ON	▲	▲	▲	▲	▲	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Denmark</b>	ON	▲	▲	▲	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Netherlands</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>UK</b>	ON	▲	▲	▲	▲	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>Finland</b>	ON	▲	▲	▼	▼	▼	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼
<b>New Zealand</b>	ON	▼	▼	▼	▼	▲	▼	▼	▼
	OFF	▼	▼	▼	▼	▼	▼	▼	▼



Find-It-In-Front:  
Dr. Pinball

# THE Sopranos