

////// FIND-IT-IN-FRONT: Dr. Pinball Section Explained ////

The key technical data from various parts of the manual were extracted and combined into the "Find-It-In-Front: Dr. Pinball Section." This section (pages DR. ① - ⑩) will assist the technician in locating important technical information needed to troubleshoot the Pinball Machine. **Dr. Pinball** is also available in a Flow Chart Help Format in the Game Display. To access, enter the **Portals™ Service Menu**.

////// How It Works ////

First, the operator / technician must enter the **Service Menu Mode** (for a complete description of the **Portals™ Service Menu and ICONS Read! Section 3, Chapter 1**). To get into the **Service Menu Mode**, power-up the game (if not already) and open the **Coin Door**. On the **Coin Door** is the **Portals™ Service Switch Set** (Red, Green & Black Buttons).

Step 1: Push down the **Black "BEGIN TEST" Button**. Looking at the Video Display you will momentarily see the introductory screen followed by the **MAIN MENU**.

Step 2: Move through the Menus by pushing the **Red "LEFT" or Green "RIGHT" Buttons**.



Step 3: Select or activate the **Icons** by pushing the **Black "ENTER" Button**.

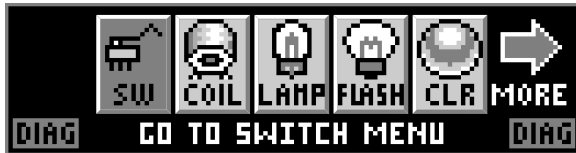
While in the **Portals™ Service Menu**, the **Start Button** can be used in lieu of the **Black Button**; the **Left & Right Flipper Buttons** can be used in lieu of the **Red & Green Buttons**. However, in **Switch or Active Switch Tests** **only** the **Red & Green Buttons** can be used.



In our **Portals™ Service Menu**, selecting the "DR." **Icon** will bring the operator/technician into **DR. PINBALL** (Flow Chart Menus), the "on-screen" diagnostic aide. This is a feature that will allow you to utilize the power of the micro-processor assisting in troubleshooting a problem with the machine in a **Flow Chart** format (follow the questions & answer by using the **Mini-Icons** in the display).



After entering **Portals™**, the **MAIN MENU** now appears with the "DIAG" **Icon** (GO TO DIAGNOSTICS MENU) flashing; press the **Black "ENTER" Button** to activate this **ICON**. The **DIAGNOSTICS MENU** now appears with the "SW" **Icon** (GO TO SWITCH MENU) flashing; use the **Red "LEFT" or Green "RIGHT" Buttons**, until the "DR." **Icon** (DR. PINBALL) is flashing:



Press the **Black "ENTER" Button** to activate this **ICON**. The **DR. PINBALL MENU** (Flow Chart Menus) now appears with the **COIL "DR." Icon** flashing. Three (3) **Icons**, **Coil "DR."**, **Switch "DR."** and **Lamp "DR."** are available for selection. Selecting a particular **Icon** will give you a choice of which specific **Coil (Solenoid), Switch or Lamp Circuit** needs to be diagnosed.



After selection, **Dr. Pinball** will now display a question or a procedure to follow, such as "Does the lamp turn on?" or "Check bridge rectifier BR-20, if short replace." When **Dr. Pinball** displays a question or requests a procedure, **Dr. Pinball** will expect a response such as "NO" or "YES". You the operator/technician must respond by using the **Red or Green Buttons** to "SELECT" a **Mini-Icon** and the **Black Button** to "ACTIVATE or ENTER" your selection.

follow, such as "Does the lamp turn on?" or "Check bridge rectifier BR-20, if short replace." When **Dr. Pinball** displays a question or requests a procedure, **Dr. Pinball** will expect a response such as "NO" or "YES". You the operator/technician must respond by using the **Red or Green Buttons** to "SELECT" a **Mini-Icon** and the **Black Button** to "ACTIVATE or ENTER" your selection.

For **Mini-Icons** explanations & details, see the end of **Section 3, Chapter 2, GO TO DIAGNOSTICS MENU, Dr. Pinball**.

