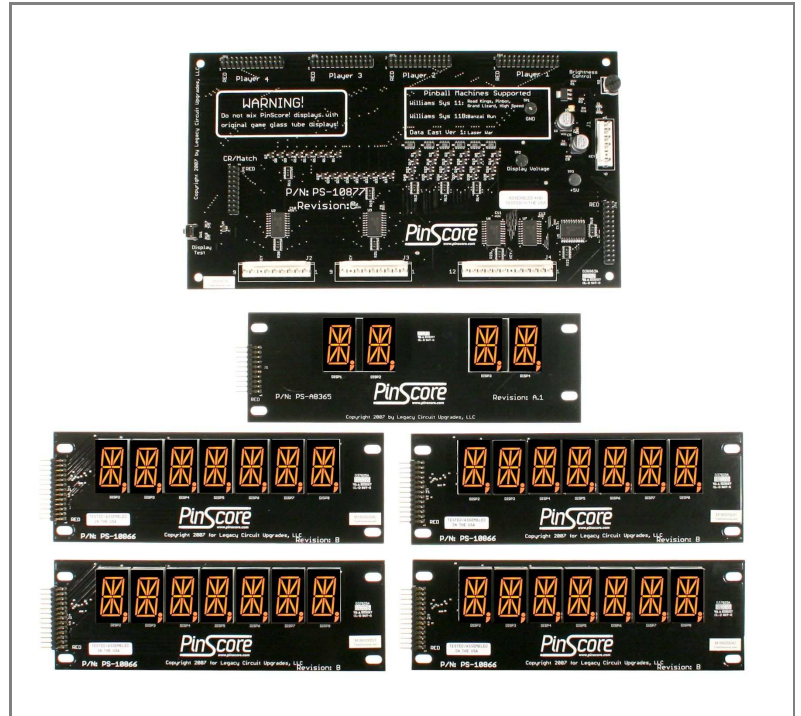


PS-10877-P LED Display for Williams System 11

Overview

Brilliant design makes brilliant displays. New PinScore™ LED displays for pinball machines are the best performing, most feature-packed and economical replacement systems for obsolete glass plasma digital displays. The PS-10877-P fits the following Williams System 11 pinball machines:

- Williams GRAND LIZARD
- Williams HIGH SPEED
- Williams ROAD KINGS
- Williams PINBOT
- Data East LASER WAR



Features

- Plug & Play installation for installation by novices and experts alike
- Adjustable brightness to match varying gameroom conditions
- Low power consumption uses only 5 volt power and no high voltage
- Beautiful black matte finish
- Foam light shields prevent general illumination leakage glare
- Crisp alpha and numeric digits illuminate in original font and color
- 5 year warranty
- Professionally assembled in USA for top quality
- RoHS compliant - Lead-free and mercury-free

Kit Contents

Part #	Qty	Description
PS-10877	1	Master display (Replaces Williams #D-10877)
PS-10866	4	7-digit slave display
PS-A8365	1	4-digit credit/ball display
PS-LS-6	1	4/6-digit foam light shield
PS-LS-7	4	7-digit foam light shield
5795-10938-18	2	26-pin ribbon cable, 18"

* The original system required four cables, (2) 20-pin cables and (2) 26-pin cables. The design of the PS-10877 and PS-12146 system only requires 2 cables.

PinScore LED Displays and Power Supplies

PinScore™ LED displays are powered from the game's 5V power supply and require no high voltage. PinScore™ LED displays use nearly half the power of competitive LED displays, making them safe to add to your game.

PinScore™ displays have been tested in all games and are known to work reliably. In very rare cases, a game with a failing 5V power supply may not function once a PinScore™ display is installed. Other symptoms of a failing power supply include erratic game resets and erratic game behavior. In these situations, the game's power supply should be repaired or replaced prior to installing PinScore™ LED displays.

The plasma technology found in your machine's old displays required high voltage to energize the segments. The high-voltage circuits in pinball machines have high failure rates and are difficult to repair as the parts are obsolete. LED displays will function correctly even if your original game's high-voltage power supply has failed. You can choose to disable your high-voltage supply after installing these displays by removing the appropriate fusing (see your machine's documentation). This will reduce the risk of electric shock when servicing the machine. If your machine requires a new power supply, PinScore™ power supplies designed specifically for LED displays are available for many games.

Installation

- **Installation Time:** About 15 minutes
- **Tools Required:** 1/4" Nutdriver

1. **CAUTION: This PS-10877-P Display System CANNOT be used with any original display or driver boards. Damage to both new and old boards will occur if the systems are mixed. Please remove all original boards and install only these new boards.**
2. Unplug the AC power from your pinball machine. Remove game backglass. Unscrew and remove all original glass displays, master driver board and all inter-board connecting cables.
3. Mount all new boards in their respective locations and only hand tighten the mounting screws. You may slide the LED display boards horizontally to adjust their positions for alignment with your backglass windows. If not already in place, place the foam light shields on their respective LED display boards.
4. Connect the cables. You may re-use the existing cables for the 2 top displays. The lower displays require the 2 new 26 pin ribbon cables included in this kit. Observe correct polarity on all ribbon cables; the red striped wires on all ribbon cables go to **PIN #1** (also labeled as **RED**) on all boards.
5. Double-check all connections, plug in the machine, and turn the game on. The LED's will light up. Pressing the **DIAGNOSTIC** pushbutton on the Master Driver board will illuminate all segments of all displays. This indicates that all boards and cables in the PinScore System are operating correctly. Use the thumbwheel **BRIGHTNESS** control on the Master Driver board to set your preferred illumination level.
6. Play Pinball! You will enjoy your PinScore Displays for years to come!

Warranty

All PinScore™ display products are covered by a 5-year, transferrable warranty. Should your display fail, contact your distributor for repair or replacement options. PinScore™ products will be repaired or replaced at the distributor's discretion.

PinScore™ LED displays are a replacement product for aging pinball machines. While PinScore™ LED displays are carefully engineered to replace as many high-failure parts as possible and retain robustness, there remains a possibility that other parts of your machine may need to be repaired before your game will function correctly. These parts include but are not limited to your machine's MPU, transformer, wiring, and fuses. The PinScore™ warranty does not cover damage caused by improper installation, faulty wiring, aftermarket game modifications, and incorrect aftermarket repairs.