PRIZE HOOPS

Kit Installation Manual

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Introduction

The Prize Hoops Kit is an inexpensive update to your Stacker prize redemption game that will increase both player attraction and system revenues. The kit includes a full HD color display that provides an entertaining and inviting visual experience for customers of all ages. Also included with the kit is an integrated electronic system that uses state of the art technology. Finally, the kit provides new and attractive game cabinet artwork as well as player controls. The result is a new and exciting entertainment system that will maintain player excitement and increased earnings for the foreseeable future.

Overview

The Prize Hoops Kit removes the aging, high maintenance LED display from the Stacker cabinet and replaces it with an integrated full color, low power, high-resolution LCD display assembly. The kit also replaces the older technology internal Stacker electronics with new, high technology, long life computer system that utilizes the internal cabinet wiring. The kit utilizes the current cabinet construction and internal wiring to minimize complexity and installation time.

Parts List

1.	24inch LCD display assembly		1
	a.	24inch LCD panel (LED Backlight)	1pc
	b.	A/D interface PCB assy	1pc
	c.	+12V LCD backlight inverter PCB assy	1pc
	d.	Operator LCD adjustment PCB assy	1pc
	e.	Internal wiring and cables	1set
2.	Electronics Assembly (fully assembled)		1
	a.	CPU assembly	1pc
	b.	Cabinet Interface PCB assembly	1pc
	c.	Cabinet audio interface PCB assembly	1pc
	d.	CPU power supply assembly	1pc
	e.	Programmed Hard Disk Drive	1pc
	f.	Internal wiring and cables	1set
3.	Cabinet Artwork Package		1
	a.	Clear Marquee	1pc
	b.	Screened Marquee	1pc
	c.	Clear Control Panel Overlay	1pc
	d.	Screened Control Panel instruction Overlay	1pc
	e.	Left side cabinet decal	1pc

	f.	Right Side cabinet decal	1pc
	g.	LCD Monitor Bezel Kit	1pc
	h.	Cabinet decal sheet	1pc
4.	Hardware and Parts Kit		1
	a.	Player start/shoot button	1pc
	b.	LCD display power cable	1pc
	c.	LCD display video cable	1pc
	d.	Electronics Power Cable assembly	1pc
	e.	Electronics Panel Mounting hardware	1set
	f.	Ty-Wraps	20pcs
5.	Installation and Operations Manual		1

Tools Required

1. #2 Phillips screw driver (remove LED assembly and install LCD display)
2. 3mm HEX driver (remove and replace marquee and control panel artwork)
3. 1/4in power driver (install electronics assembly into cabinet)
4. 10mm socket (remove and install cabinet support bracket)
5. Glass cleaner and lint free cloth
6. Wire Cutter (cut internal cabinet ty-wraps)

Instructions:

1. Before starting the upgrade process, test and if necessary repair all systems that are not working prior to beginning the system upgrade.
    a. Test and verify the prize redemption spindle motors work correctly
    b. Test and verify the prize redemption spindle lighting works correctly.
    c. Test and verify the control panel push button switches and lighting work correctly
    d. Test and verify the cabinet audio system works correctly
    e. Test and verify the cabinet prize drop detect and tilt detect systems are working correctly.
    f. Test and verify the cabinet currency and coin systems are working correctly
        i. Bill validator
        ii. Coin acceptor
        iii. Meter(s)
        iv. Test and service credit button
    g. Verify the cabinet lighting is working correctly

2. Prize Hoops Game Upgrade Process

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ATTENTION: Prior to beginning the upgrade process, turn the game power switch off and disconnect the A.C. power for the game from the wall outlet.

a. Game Display System
    i. Remove the F15T8 fluorescent lamp assemblies mounted behind the Stacker LED display by removing the mounting screws holding the lamp mounting plates to the cabinet prize panel.
    ii. Disconnect the cabinet wiring from the Stacker LED panel assembly.
    iii. Remove the Stacker LED panel assembly from the cabinet. Retain 4pcs of the mounting screws for use in mounting the LCD display assembly into the cabinet
    iv. Install the LCD display assembly into the cabinet. The "small" LCD bracket is "down" inside the cabinet. Secure the LCD display to the cabinet using the mounting screws from the LED panel assembly.
    v. Connect the video cable (VGA) to the LCD display A/D board. Route the VGA cable down along the cabinet right side wall.
    vi. Connect the LCD display power cable to the LCD display A/D board. Route the power cable down along the cabinet right side wall.
    vii. Dress the new cables using the ty-wraps provided with the kit
b. Game Electronics System
    i. Disconnect the cabinet wiring from the Stacker electronics PCB assemblies
    ii. Remove the Stacker electronics from the cabinet
        1. Electronic CPU PCB assembly
        2. Audio PCB assembly
        3. Audio Amplifier PCB assembly
    iii. Remove the electronics mounting posts from the cabinet
    iv. Free the cabinet wiring by cutting the cabinet ty-wrap. See photo below for reference.
    v. Install the Prize Hoops Electronics assembly.
        1. Temporarily move the cabinet wiring away from the cabinet right side wall
        2. Slide the Prize Hoops Electronics assembly in behind the cabinet wiring and rest the assembly on the bottom of the cabinet
        3. Move the electronics assembly up along the cabinet side wall and align the 4 connectors with the mating cable housings.
        4. Secure the electronics plate to the cabinet side wall using 6 pcs of the #6x3/4in hex head sheet metal screws.
    vi. Connect the cabinet wiring to the mating connectors on the electronics assembly
        1. Cabinet card edge connector to CN1
        2. Motor power connectors (2x) to J4 and J6
        3. Motor control connectors (2x) to J5 and J7
        4. Left Channel audio to CN5
        5. Right Channel audio to CN4
        6. Volume control to CN6
        7. Power to CN3

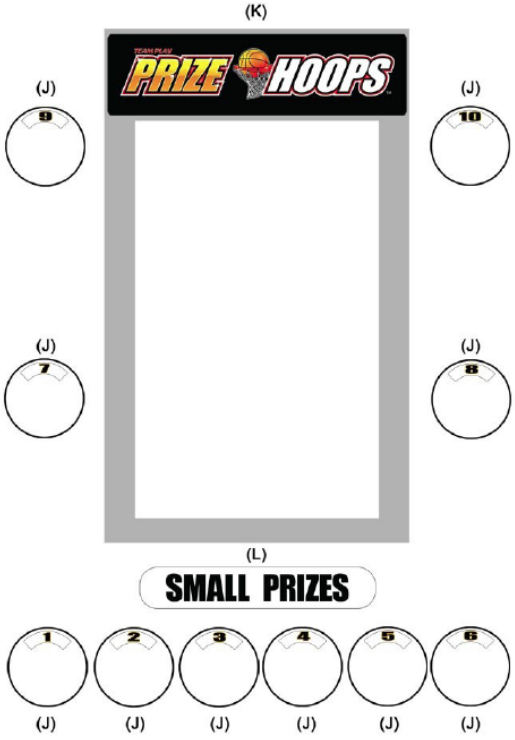
c. Cabinet Wiring
   i. Disconnect the cabinet A.C. wiring at the 3pin 0.093in Molex interconnects, located behind the cabinet A.C. distribution module.
   ii. Connect the Prize Hoops A.C. cable plug and receptacle to the mating cabinet A.C. wiring interconnect plug and receptacle.
   iii. Disconnect the cabinet +5V wiring (RED wires) at the 6pin 0.093in Molex Interconnect
   iv. Connect the Prize Hoops +5V wiring to the mating cabinet +5V interconnect

       NOTE: Only one connector for the cabinet +5V is used for prize hoops.
   v. Route the A.C. cable assembly along the bottom of the cabinet and connect the IEC320 connector to the electronics assembly power supply
   vi. Connect the +5V (red wire) of the A.C. harness to the mating 3pin connector on the electronics assembly (CN100)
   vii. Connect the LCD display power connector to the mating 4pin connector on the electronics assembly (CN 111)
   viii. Connect the VGA cable to the VGA connector on the electronics assembly CPU board.

3. Prize Hoops Cabinet Upgrade Process
   a. Marquee Upgrade
      i. Remove the Stacker cabinet marquee top retainer from the cabinet using the 3mm HEX driver
      ii. Loosen the Stacker cabinet marquee rear retainer plates.
      iii. Remove the Stacker Marquee
      iv. Install the new Prize Hoops clear marquee
      v. Install the Prize Hoops printed marquee liner behind the clear marquee. Take care not to bend or crease the printer liner.
      vi. Replace the cabinet marquee top retainer and secure it to the cabinet.
      vii. Tighten the marquee rear retainer plates.
   b. Control Panel Upgrade
      i. Open the coin door and remove the bill validator magazine
      ii. Remove the control panel buttons from the cabinet.
      iii. Remove the cabinet screened control panel overlay by removing the 6 pcs machine screw with the 3mm HEX driver
      iv. Clean the cabinet under the control panel and remove any residue
      v. Place the printed cabinet control panel liner on the cabinet
      vi. Place the clear cabinet control overlay on the cabinet
      vii. Center the push button mounting holes and the overlay mounting holes over the corresponding holes in the cabinet.
      viii. Secure the overlays to the cabinet using the machine screws removed in step iii.
      ix. Install the rectangular take and continue button through the overlay and liner into the cabinet.

          NOTE: Secure the button housings using the button nuts

x. Install the new "Start/Shoot" button through the overlay and liner into the cabinet. Replace the old lamp/switch holder with the new "Start/Shoot" button lamp/switch holder
xi. Secure the new "Start/Shoot" button to the cabinet and overlay using the nut provided.

4. Cabinet Decal Installation
   a. LCD Display Bezel Installation
      i. Open the cabinet front prize door to gain access to the front of the LCD display housing.
      ii. Remove the old "Stacker" decal from the cabinet display housing. Clean the housing and remove adhesive residue and other contaminants.
      iii. Install the LCD display bezel on the face of the display housing. Remove the liner from the double sided tape on the liner and secure each piece to the display housing. Take care to center the opening of the bezel with the opening of the display housing.
   b. Cabinet Inside Prize Area Decals
      i. Clean the prize redemption assembly mounting plate with glass cleaner and remove any contaminants, dirt or other residue.
      ii. Install the "SMALL PRIZES" decal from the decal sheet over the "MINOR PRIZE" decal located under the LCD display assembly.
      iii. Install the "Prize Numbering Decals" prize redemption assemblies as shown

INTERIOR WALL DECAL LAYOUT