GAME REPAIR

2. Lift the cover up and remove the dome. (See dome replacement instructions)

3. Remove the wheel by unscrewing the 3 screws that hold it in place.

4. Remove the motor by unscrewing the screws that hold it in place.

5. Disconnect the plug on the motor from the motor harness.

6. Assemble in reverse order.

MARQUEE BULB SERVICE

To replace the PL-L fluorescent light bulb, follow the directions below.

1. Remove the 4 Allen head screws from the front of the Phillips head screws that hold the Marquee Cover in place.

2. Remove the clip that attaches the bulb. Remove the bulb from its socket by pressing the “red” button and lifting the light bulb out.

3. Replace the bulb and reattach the Marquee Cover.
GAME REPAIR

CREDITS / TICKETS OWED P.C. BOARD SERVICE

1. Remove the Allen bolts that hold the cover on to the cabinet.

2. Lift the cover up to access the Display P.C. Boards.

3. Unscrew and remove the boards for service.

4. Reassemble in reverse order.

DOME REPLACEMENT

1. Remove the Allen head bolts that hold the cover to the cabinet.

2. Lift up the cover and remove the Dome.

3. Set the new dome onto the playfield centered evenly in the game.

4. Lower the cover and bolt into place.

IF YOU HAVE ANY QUESTIONS OR COMMENTS, PLEASE CONTACT OUR SERVICE DEPARTMENT AT:

716-759-0360

MON. THRU FRI. 8:30AM-6:00PM EST
PARTS LISTINGS

Parts denoted with * indicate available as part of a specially discounted spares kit.

MECHANICAL PARTS

211  Low Ticket Micro Switch
BW250X  PLL Bulb Socket Assembly
FP1004  Leg Leveler Mounting Bracket
HR1019  Leveler Foot
1024  Ticket Bin
1026  Bracket, Low Ticket Switch Mounting
WF1050  Clicker Pole, Teflon Coated
WF1051  Wheel Hub
WF1052  Wheel Pin, 1"
WF1053  Wheel Pin, 1.5"
WF1054  Wheel Pin, 2"
WF1055  Wheel Pin, Non Extension
WF1056  Flag, Opto Beam Breaker
WF1060*  Clicker Spring
CG1068  Bushing, Bronze Oil Impregnated
HR2005  Large Round White Push Button
AR2007  Speaker, 6" x 9"
BW2017  PLL Bulb Retaining Clip
BW2018  PLL Bulb Support
2027  Fan, DC 12 Volt
CC2027  Power Cord, 20ft.
WF2007X  Power Module
2364G  Fan Guard
WF3004*  Clicker (Pointer)
WW3001  Control Panel (Red)
WW3002  Marquee Housing
WF3024X  Dome Assembly, with tape
HH5005  Ticket Dispenser
5101X  Mech Holder Assembly
WF6001X*  Parts Package
6321  3/8" E-Clip
8312*  Bulb, PL-L 40W/41/RS/IS Fluorescent
WF9010  Cover, Clicker Sensor (Black Card)
WF1018  Bracket, Clicker
WF1018AX  Assembly, Player Clicker 1

ELECTRONIC / ELECTRICAL

WF2002X  Transformer
2008*  Solenoid, Spring Tensioner
WF2008X*  Motor Assembly
WF2034X  Main P.C. Board
WF2038X*  Clicker Position P.C. Board., Large
WF2039X*  Clicker Position P.C. Board, Small
WF2040X*  Wheel Position P.C. Board, Outer
WF2041X*  Wheel Position P.C. Board, Inner
2110  TIP 122 Transistor
2117  IC, 74hc14
2305  IC, 74hc273
CC2032X*  Tickets Owed Display P.C. Board
CC2035X*  Light Ring Board (Banana Board)
CS8449X  Workhorse 6 Ballast, (WH3-120-L)
2295  Fuse, MDQ6 (6 Amp Slo Blo)
2315  Fuse, MDQ3 (3 Amp Slo Blo)
HH2048F  Fuse, MDQ4 (4 Amp Slo Blo)

DECALS AND GRAPHICS

WW7001  Side Panel Decal
WW7002  Center Wheel (sold w / WW7013)
WW7003  Control Panel - Front Decal
WW7004  Decal - Button
WF7005  Instruction Plate Decal
WF7006  Ticket Arrow Decal
WW7012  Control Panel
WW7013  Outer Ring (sold w / WW7002)
WW7027  Marquee Panel
WW9001  Service Manual
#WF2002X - TRANSFORMER ASY.

#WF2002 TRANSFORMER (2-51-0118)

115 VAC 60-18 AWG

16 VAC @ 10.45A
14 AWG

11.3 VAC @ 9.0A
14 AWG

16.8 VAC @ 3.75A
18 AWG

14 VAC @ 2.75A
18 AWG

8 VAC @ 0.5A
18 AWG

BLACK
GREEN/YELLOW
RED
ORANGE
YELLOW
BLUE

* Add 6" of Large Spiral Wrap
Starting 4" from the 12-Pin Plug
To Wheel Motor Harness

+ 13VDC
+ 13VDC
WHEEL
WHEEL

4 PIN PLUG #2099
SOLID PIN #2100S

8"

# PP2011-MOTOR

# 2163 - DIODE 1N4004
2" # 8380 - 1/8" CLEAR SHRINK TUBE

QTY 1 PER GAME
Wheel Of Fortune

DESCRIPTION: #WF2022X - DISPLAY INTERFACE HARNESS

QTY: 2
PER GAME

FILE: WFREV2.VSD

DRAWN BY: MMARTIN

DATE: 2/29/00
REvised: 6/13/01
PAGE: 10 OF 25

12" black/white
1 RED black/white
2 yellow 5VDC
3 yellow GND
4 BLACK 12VDC
5 ORANGE DATA
6 yellow/green CLOCK
Wheel Of Fortune

Title: # WF2050X - LIGHT RING EXTENSION HARNESS
Description: LIGHT PLUGS FOR LIGHT RING EXTENSION HARNESS

Filename: WFREV2.VSD
Page 12 of 25

Drawn by: MMARTIN
Revised: 6/13/01
Date: 2/29/00

QTY 1 PER GAME

To Mainboard

P8

1. BLACK
2. yellow/blue
3. black
4. yellow/red
5. yellow/violet
6. BLACK
7. KEY
8. LIGHT BLUE
9. LIGHT BLUE

+13VDC

9 PIN PLUG #2292
SPLIT PIN #2100
PIN 7: KEY PLUG #2549

To Light Ring Harness

P8

1. P GND
2. D DATA
3. P GND
4. CLK 1
5. BLTCH
6. P GND
7. KEY
8. +13VDC
9. +13VDC

1. BLACK
2. yellow/blue
3. black
4. yellow/red
5. yellow/violet
6. BLACK
7. KEY
8. LIGHT BLUE
9. LIGHT BLUE

9 PIN CAP #2551
FEMALE PIN #2102
* Start Spiral Wrap (#8069) 34" From 9-Pin Plug

Cut Spiral Wrap 26" To Cover 18" Of Harness

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>P GND</td>
</tr>
<tr>
<td>8</td>
<td>P GND</td>
</tr>
<tr>
<td>1</td>
<td>+12UVDC</td>
</tr>
<tr>
<td>2</td>
<td>+12UVDC</td>
</tr>
<tr>
<td>3</td>
<td>CLK 5</td>
</tr>
<tr>
<td>4</td>
<td>DDATA</td>
</tr>
<tr>
<td>5</td>
<td>+12UVDC</td>
</tr>
<tr>
<td>6</td>
<td>D GND</td>
</tr>
<tr>
<td>7</td>
<td>BLTCH</td>
</tr>
<tr>
<td>8</td>
<td>BLACK</td>
</tr>
<tr>
<td>9</td>
<td>BLACK</td>
</tr>
</tbody>
</table>

**To Marquee Display PCB**

**To Mainboard**

**P7**

- **P GND**
- **+12UVDC**
- **CLK 5**
- **DDATA**
- **D GND**
- **BLTCH**

**9 PIN HOUSING #2405**

- **P GND**
- **+12UVDC**
- **CLK 5**
- **DATA**
- **D GND**
- **BLTCH**

**9 PIN PLUG #292**

- **P GND**
- **+12UVDC**
- **CLK 5**
- **DATA**
- **D GND**
- **BLTCH**

**SPLIT PIN #2100**

- **P GND**
- **+12UVDC**
- **CLK 5**
- **DATA**
- **D GND**
- **BLTCH**

**PIN 4: KEY PLUG #2549**

- **P GND**
- **+12UVDC**
- **CLK 5**
- **DATA**
- **D GND**
- **BLTCH**

---

**QTY 1 PER GAME**

**TITLE**

Wheel Of Fortune

**DESCRIPTION**

#WF2051X - MARQUEE HARNESS

**FILENAME**

WFREV2.VSD

**DRAWN BY**

MMARTIN

**DATE**

2/29/00

**REVISED**

6/13/01

**PAGE**

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**Title:** Wheel Of Fortune

**Description:** #WF2052X - TILT/WHEELSENSOR EXT. HARNESS

**File Name:** WFREV2.VSD

**Drawn By:** MMARTIN

**Date:** 2/29/00

**Revised:** 6/13/01

**Page:** 14 OF 25

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**To Mainboard**

**P9**

- WSHORT
- WLONG
- D GND
- + 12 VDC
- HOME

**To Wheel Sensor Harness**

- WSHORT
- WLONG
- D GND
- + 12 VDC
- HOME

**To Tilt Sensor**

- WSHORT
- WLONG
- D GND
- + 12 VDC
- HOME

**Notes:**

- Add #2611 - 1/4” Shrink tube (cut at 1 1/2”) To each Ring Terminal

---

**QTY:** 1 **PER GAME**
To Station Harness

5 PIN PLUG #5 120
SOLID PIN #21005

* Add 6" of Spiral Wrap (# 8069)

To Ticket Dispenser

4 PIN MLX CAP #2158
FEMALE PIN #2176
PINS 2 & 4: 20-14 AWG FEMALE PIN #8177

RED FLASHING LED #8212
WITH LED HOLDER #1017

To Bolt on Ticket Dispenser

To Low Ticket Switch

4 PIN MLX HOUSING #2089
MINI KK PIN #2074

To Bolt on Ticket Dispenser

QTY 2
PER GAME

FILENAME WFREV2.VSD
DRAWN BY MMARTIN
DATE 2/29/00
REVISED 6/13/01
PAGE 15 OF 25
To Power Mod Faceplate

#8068

3" GRN/YEL

#638 .187

23" GRN/YEL #PC20217

* Fuse Value: 6 Amp
# 2295 MDQ 6

#2892-POWER MODULE COR/COM (PELSOS3/KD)
A B C D

#51 .187

#51 .187

To Transformer

10"

BROWN GRN/YEL BLUE

3 PIN CAP #2288
14 AWG FEMALE #2013

To Light Ballast Extension Harness

10"

BROWN GRN/YEL BLUE

3 PIN CAP #2288 FEMALE #2102

To Base Of Transformer

3" GRN/YEL

#638 .187

QTY 1 PER GAME

Wheel Of Fortune

# WF2055X - POWER MODULE HARNESS

Fuse Value: 6 Amp
# 2295 MDQ 6

Title

Description

Filename

Date

Revised

Page
4 PIN PLUG #2099
SOLID PIN #2100S

4 PIN CAP #2101
FEMALE PIN #2102

To Wheel Motor Assembly

QTY 1 PER GAME

**DESCRIPTION**
# WF2057AX - WHEEL MOTOR HARNESS

**TITLE**
Wheel Of Fortune

**FILENAME** WFREV2.VSD

**DRAWN BY** MMARTIN

**DATE** 2/29/00

**REVISED** 5/3/01

**PAGE** 20 OF 25
Title: Wheel Of Fortune

Description: # WF2057X - WHEEL MOTOR EXT. HARNESS

File Name: WFRV2.VSD

Date: 2/29/00

Revised: 6/13/01

Page: 21 OF 25
**Title:** Wheel Of Fortune

**Description:** # WF2058AX - LIGHT BALLAST POWER HARNESS

**File:** WFREV2.VSD

**Date:** 2/29/00

**Latest Revision Date:** 6/13/01

**Drawn by:** MMARTIN

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**Diagram Details:**

- **3-Pin Plug #2206**
- **Solid Pin #2100S**
- **Black, Green, White**
- **To Light Ballast Extention Harness**

- **31”**
- **# 8173 - 3 COND. SVT**

- **Extension Harness**
- **#PC20217**
- **#651 .187**

- **QTY:** 1

- **PER GAME:**
  - *Strip Back 2”*
  - *Strip Back 3” From End*
  - Cut Black & White at 1 1/2”
To Mainboard
P10

D GND
PRG
SEL
STEP

P10

1. black/white
2. yellow/brown
3. yellow/red
4. yellow/orange

#2561 4PIN IDC
#2562 COVER STRAIN RELIEF

QTY 1 PER GAME

TITLE Wheel Of Fortune
DESCRIPTION # WF2059AX - PROGRAMMING BUTTONS HARNESS
FILENAME WFREV2.VSD
DRAWN BY MMARTIN
DATE 2/29/00
REVISED 6/13/01
PAGE 24 OF 25
I.C.E warrants all components in the **WHEEL A WIN™** game to be free of defects in materials and workmanship for a period of ninety days from the date of purchase. Further, all MAIN P.C. BOARDS are warranted for 180 days.

This warranty does not cover items damaged due to normal wear and tear, subjected to abuse, improperly assembled by the end user, modified, repaired, or operated in a fashion other than that described in the service manual.

If your **WHEEL A WIN™** game fails to conform to the above-mentioned warranty, I.C.E.'s sole responsibility shall be at its discretion to repair or replace any defective component with a new or remanufactured component of equal to or greater O.E.M. specification.

I.C.E. will assume no liability whatsoever, for costs associated with labor to replace defective parts, or travel time associated therein.

I.C.E.'s obligation will be to ship free of charge, replacement parts by U.P.S. Ground, U.S. mail, or other comparable shipping means. Any express mail or overnight shipping expense is at the cost of the purchaser.

Products will be covered under warranty only when:

- The serial number of the game with the defective parts is given.
- The serial number of the defective part, if applicable, is given.
- Defective parts are returned to I.C.E., shipping pre-paid, in a timely fashion, if requested by I.C.E.
- A copy of the sales receipt is available as proof of purchase upon request of I.C.E.

I.C.E. distributors are independent, privately owned and operated. In their judgment, they may sell parts or accessories other than those manufactured by I.C.E. We cannot be responsible for the quality, suitability, or safety of any non-I.C.E. part, or any modification, including labor, which is performed by such a distributor.
ICE Inc warrants that all of its products will be free from defects in material and workmanship.

When placing a warranty request, please be prepared to provide the following information:

- Serial Number of Game or Bill of Sale
- Machine Type
- A Detailed Description of the Equipment Fault Symptoms

ICE product, including Cromptons, Sam’s Billiards, Uniana and Bell Fruit is warranted as follows:

- 180 days on the Main PCB and Computers
- 180 days on Motors
- 90 days on all other components (i.e. DBV’s, Ticket Dispensers, etc)
- 30 days on repaired items
- 3 years on all Crane Harnessing
- 9 Months on Printers

ICE Inc shall not be obligated to furnish a warranty request under the following conditions:

- Equipment has been subjected to unwarranted stress through abuse or neglect
- Equipment has been damaged as a result of arbitrary repair/modification attempts
- Equipment that has failed through normal wear and tear

ICE Inc will assume no liability whatsoever for costs associated with labor to replace defective parts or travel time associated therein.

All defective warranty covered components will be replaced with new or factory refurbished components equal to OEM specifications. ICE Inc will cover all UPS ground, or comparable shipping means, freight costs during the warranty period. Expedited shipments are available for an additional charge.

Defective parts are returned to ICE Inc, at the customer’s expense, in a timely fashion.

ICE distributors are independent, privately owned and operated. In their judgment, they may sell parts and/or accessories other than those manufactured by ICE Inc. We cannot be responsible for the quality, suitability or safety of any non-ICE part, modification (including labor) that is performed by such a distributor.

I.C.E. Parts/Service Dept.
Innovative Concepts in Entertainment
10123 Main St.
Clarence, NY 14031
Phone #: (716) - 759 – 0360
Fax #: (716) – 759 – 0884