WARRANTY, REPAIR, AND RETURN POLICY

1. *90 day full warranty on all electronic components.
2. There is a minimum $40.00 service charge for all non-warranty repairs or returns.
3. For all servicing return to STRATA.
4. ANY non-factory repair or attempted repair voids warranty.
5. AAMA decal must not be removed from the PC boards
   * All warranty periods begin on the date of purchase from STRATA

RETURN MERCHANDISE AUTHORIZATION - (RMA)

1. All returned merchandise must have an RMA number marked clearly on the outside of the package.
2. You must obtain all RMA numbers from your authorized STRATA distributor. Please have your STRATA serial number available when calling for an RMA number.
3. No merchandise returned without an RMA number will be accepted.
4. Advance replacement boards will be shipped to distributors or, at the distributor's request, will be shipped directly to the operator.
5. Advance replacement boards will be billed to the distributor until STRATA receives the returned board, at which time a credit will be issued.
6. All repairs and/or replacements will be shipped within 24 hours of receipt or request (subject to availability).
BEFORE YOU START - READ THIS NOW!!!

1. Have you checked to see if all the needed parts have been included?
2. Is the game you have chosen to convert able to supply all the required voltages for the new game (+5, -5, & +12 vdc)? NOTE: Some games (i.e. Ms. Pac Man, Galaxian, etc.) regulate their voltages on the main PC board. This makes the existing power supply inappropriate (and hazardous) to your new game. These games will require a power supply change. Many game supply houses can offer you a switching regulated power supply for a relatively low cost. Ask your distributor.
3. Is the monitor configuration compatible? It can sometimes be difficult to change the monitor from a horizontal to a vertical mount. Things will be easier if you choose a game cabinet with the same model as your new game requires (horizontal).
4. Do you have the necessary tools? (See the recommended tool list on page 5).

CAUTION!
FCC REGULATION COMPLIANCE

This device complies with the limits for a class "A" computing device pursuant to subpart "J" of part 15 of FCC rules, which are designed to provide reasonable protection against interference when operated in a commercial environment.

The use of an aluminized cardboard PC board cage with this game is not necessary for FCC compliance and is discouraged.

Operation of this equipment in a residential area is likely to cause interference in which case the user, at his own expense, will be required to take whatever measures may be necessary to correct the interference.
INSTALLING YOUR

GOLDEN TEE GOLF

CONVERSION PACKAGE

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PACKAGE CONTENTS

UPRIGHT JOYSTICK KIT

1) Printed Circuit Board (PCB)
2) Button Assemblies
1) Marquee Styrene
1) Control Panel Overlay
1) Set of Function Labels
1) Manual
1) Jamma Adapter Board

COCKTAIL JOYSTICK KIT

1) Printed Circuit Board (PCB)
4) Button Assemblies
2) Control Panel Overlays
2) Golden Tee Golf Stickers
2) Sets of Function Labels
1) Manual
1) Jamma Adapter Board

POWER REQUIREMENTS:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 VDC</td>
<td>1 amp</td>
</tr>
<tr>
<td>+12 VDC</td>
<td>2 amps</td>
</tr>
</tbody>
</table>

MONITOR REQUIREMENTS:

- Horizontal Mount Raster Scan
- Positive or Negative Composite Sync

NOTE: The monitor must be mounted horizontally.
RECOMMENDED TOOLS AND SUPPLIES

Phillips and Slotted Screwdrivers
Socket Set
Wire Cutters and Strippers
Pliers or Channel Locks
Electric Drill with 3/32", 1/4", and 7/16" Bits
1-3/16" Chassis or Sheet Metal Punch
Small File
Razor Knife and Sharp Blades
Straight Edge
Painting Supplies (if you do your own painting)
   Air Brush or Paint Sprayer
   Paint Roller and Pan
   Paint Brush
   Paint (and primer)
   Sand Paper
   Putty Knife and Wood Putty
Staple Gun and Staples
Soldering Iron and 60/40 Resin Core Solder
Vacuum Cleaner
Assorted Fastening Hardware
Heat Shrink Tubing (3/32", 1/8", and 3/16")
Masking Tape
3-1/2" or 4" Wire Ties
Spray Window Cleaner and Rag (baby diapers work GREAT!)

IMPORTANT NOTE!

Through usage of the very latest technology this game requires far less power to operate than most games currently on the market. The outputs of many "regulated" switching power supplies actually vary with load. For this reason the power supply from an old game may not be correctly adjusted for GOLDEN TEE GOLF. Therefore, it is very important to adjust the +5 vdc supply WITHOUT connecting the PCB, then readjusting later (if necessary) after the PCB is installed. Damage will occur if the power supply is outside the acceptable limits (between 4.8 and 5.2 vdc).
GOLDEN TEE GOLF
Joystick Game Description

- Buy strokes by inserting coin
- One to four players can golf
- Golf on one of three golf courses
- Use the selected club or choose another by moving the joystick up or down
- Golf by pressing and holding the swing button for back swing and then releasing the button for forward swing
- Get maximum distance by taking a big back swing
- Slice or hook the ball by moving the joystick left or right during the back swing
- Earn bonus strokes for scoring pars, birdies etc. (tickets can also be dispensed if so desired by the operator)
- Buy additional strokes during the game if need be to complete 18 holes
- Regulation golf rules apply
INSTALLATION PROCEDURES

Something to Think About

Your final product will be a new game.

You have made a wise decision to transform a game that has seen better days at the all-important cash box into a new game. This is by far the most cost effective alternative to maximize the return of your initial investment. All you provide is the cabinet with a power supply and a monitor. Oh, yes, you will need a touch of elbow grease. And that’s it! We provide the rest. The end result is a new game at a very low cost.

FACT: Spend a little time on the cabinet's appearance (i.e. marquee, control panel, and cabinet graphics) and you will raise the profits of any game -- especially with the introduction of a new game package.

The new game look should always apply to the inside of your game as well as the outside. A few wire ties and shrink tubing on your harness, some fastening hardware on your subassemblies, and a sweep with the old vacuum cleaner will ensure that unnecessary glitches do not occur.

Remember: you are creating a new game.

If you have any questions or just need some advice on any of your new game transformations, don’t hesitate to give a member of our technical staff a call.

LET’S GET OUR HANDS DIRTY

Preparing the Original Game for the New Game

Remove the following:

1. Main Logic Board(s)
2. Control Panel
3. Monitor Plexiglas
4. Monitor Bezel
5. Marquee
6. Cabinet Graphics

For a fresh look painting is highly recommended. Spray painting will always give a better finish but if an air brush or paint sprayer is unavailable then a roller is second best. Try to avoid brushes for covering large areas since they cover less smoothly than sprayers or rollers. If you don’t have the facilities for painting try an auto body shop -- then you’re sure to get the smoothest possible finish. Be sure to cover all exposed surfaces not to be painted (such as the coin door and the monitor) with masking tape (or newspaper on big areas) to keep from getting paint where you don’t want it. Use a small brush to finish up the details. Nothing makes a cabinet look old faster than a sloppy paint job.

If your cabinet has wood grain sides remove the old graphics and adhesive (adhesive may be removed with lacquer thinner).

Thoroughly clean out your cabinet.
Note concerning JAMMA harnesses:

This game uses the JAMMA standard wiring harness. Therefore, if the cabinet you are installing this game into is already equipped with a JAMMA harness, your wiring work will be greatly simplified. You must plug in the Jamma adapter board between the Jamma harness and the Golden Tee board. If you are installing this game into a Dynamo cabinet with a pre-installed JAMMA harness you will note that it doesn’t have a wire for the service switch. You will have to correct this oversight by adding a contact to the edge connector at the proper position (position R). Some cabinets (Dynamo included) use only one coin switch input and wire the coin switches together. This prevents you from setting the left and right coin slots to different coinages. If you need different coinages for left and right slots you will need to wire the switches separately. Contact our technical department if you have any questions.
TIME TO INSTALL YOUR NEW GOODIES

Before you start -- REMEMBER! Do NOT work with any part of the system plugged in (lights, monitor, or power supply).

Printed Circuit Board:

Mount the PCB to the side of the cabinet. Use the board as a guide and mark where to drill mounting holes. Drill pilot holes (3/32"). Attach the PC board to the cabinet with wood screws and spacers -- snug but not too tight or the board may warp or crack. Mount the PC board with the edge connector toward the top. This will help keep the wiring harness from slipping off due to vibration. Be sure the board isn't being flexed in any way.

Wire Harness:

Attach the wire harness connector to the PC board. This connector should be keyed and labeled "COMPONENT SIDE". Be sure it is mounted correctly. Note that the power supply wires are closest to the end marked "1" on the board.

Connecting the Wire Harness to the Existing Wires:

When you hook up the control panel, power supply, monitor, or other subassemblies that remain in the game cabinet to your new wire harness try to use the existing secondary connector (none are provided).

1. Cut the original wire approximately three inches from the original connector. Strip off about 1/2" of insulation.
2. Slide a piece of heat-shrink tubing over the end.
3. Don’t leave a lot of excess wire spooled up in your nice, clean cabinet. Cut the wire from your new game harness to the length you need, plus a few extra inches to be sure it’s long enough. Leave enough for proper cable dressing later (don’t make it stretch across the inside of the cabinet).
4. Solder the new wire designated for that position to the original wire that you just stripped. Use a straight in-line splice.
5. Melt the heat-shrink over the splice.
**ALWAYS** solder all wire splices. Just twisting the wires together is sure to cause intermittent problems in the future.

**ALWAYS** use shrink tubing over wire splices. NEVER use electrical tape. Electrical tape may unravel in time due to the heat inside the cabinet and cause serious trouble.

**ALWAYS** use wire ties to keep associated wires bundled. Attach to the cabinet wherever it seems necessary to keep them neat and secure.

**AVOID** bundling unrelated wires (such as the control panel and the monitor) as this may increase the likelihood of intermittent problems due to noise. Run different bundles separately.

**REMEMBER:** This is a *new game* -- not a sloppy conversion.

**Power Wires:**

1. Connect the wires that are designated for your power supply. You will need a supply of +5 vdc, and +12 vdc. The +5 vdc must be regulated to within 5% (+ or - 0.25 vdc). The others may be unregulated but shouldn't stray too far or the sound may be affected. If the old game's supply doesn't provide these voltages it will have to be replaced. A switching-type supply is recommended (but not required).

2. You will notice that you have more than one wire for each voltage. You should use all wires supplied on the harness. This will ensure better power transmission and prevent overloading of the edge connector pads.

3. Tin all power supply wires before connecting them to the power supply. Loose strands may in time short out the supply. For best results connect spade lugs to the ends of the power wires and attach the spade lugs to the screw terminals of the power supply.

**Monitor Wires:**

You will be connecting the RED, GREEN, and BLUE video drives along with the composite SYNC and video GROUND wires.

**NOTE CONCERNING SYNC:**

This game generates a composite sync signal which is accepted by most monitors. A DIP switch (SW1) on the logic board allows you to choose between positive and negative composite sync. Most monitors require negative sync. If your monitor requires positive sync, flip this switch on (towards the edge connector).

If your monitor does not have a composite sync input but instead has separate horizontal and vertical sync inputs try connecting the composite sync signal from the PC board to the horizontal sync signal on the monitor. This should produce a satisfactory result, although some adjustment of the monitor's sync controls may be necessary. This is the recommended approach for a Wells-Gardner monitor and should work with some others as well. If you still cannot get proper monitor stability, contact our technical staff for assistance.
Speaker Wires:

Find the wires marked for the speaker and hook them up. Pay attention to the polarity. The speaker probably has either a red mark or a plus sign (or both) near the positive terminal.

If your cabinet has two speakers connect them both. If they are 8 or 16 ohm speakers connect them in parallel. If they are 4 ohm connect them in series.

At this point we would like to encourage you to examine the speaker carefully. Is it really up to the high standards you wish to maintain at your location? Many arcade speakers are woefully inadequate for reproduction of good game sounds. Remember, it isn't just a video game -- it's a video/audio game. Far more effort was put into the sounds of this game than is put into most other arcade games. Roughly half the cost of making this game is in the sound section so don't waste it with a damaged, cheap, or undersized speaker. If the speaker isn't up to it, replace it. Reasonable speakers can be obtained for around ten dollars at stores such as Radio Shack. Part numbers 40-1909B and 40-1268C both work well, with the latter being recommended. Car speakers also work well.

Position speakers as far from the monitor as possible since a speaker's magnet may deflect the monitor and cause some strange coloration. This can usually be corrected by degaussing the monitor. Be sure to attach it securely with all four screws to minimize vibration and rattling from the more intense sounds. Make sure everything else in the cabinet is attached securely for the same reason. Sound is an integral part of the game, not just an appendage. A small investment in good speakers can make a world of difference in profits.

Coin Door Wires

1. Connect the designated wires to the coin switches.
2. You can connect the door lamps to the +5 vdc supply. Some games have separate power supply outputs for the lamps.
3. Mount a service switch (not included) somewhere convenient inside the coin door area. This switch allows you to enter adjustables, run diagnostics, and see or clear audits. Make it readily accessible through the coin door.
4. Be sure to clean and lubricate your old coin mechs. Keep the money coming in.
GUESS WHAT?

You are almost done with the electrical connections of your new game. All you have left is the control panel wiring. We're going to hold off on that for right now. We have a few other things we need to do first. So why don't you go ahead and get yourself a drink of water and stretch your legs? When you return, we can take a fresh look at your progress and move forward.

INITIAL TEST

You are just about ready to power up the PC board. But first, we need to recheck your work.

1. Carefully inspect the game for loose power wires, exposed connections, and extra fastening hardware. Look for any stray strands from stranded wires.
2. Make sure the PC board, monitor, power supply, and speaker are securely fastened in place.
3. Double check the connectors to be sure they are wired and connected properly.
4. With the board disconnected from the harness, turn the power on and adjust the +5 supply to be as close to +5 vdc as possible. This is very important to prevent damage to the game board. Turn the power off and connect the harness to the board.

TIME TO APPLY POWER

1. Plug in the game and turn it on.
2. Look and smell for smoke (TURN IT OFF IMMEDIATELY IF ANY IS NOTICED).
3. Look at the green and yellow LEDs on the PC board. Are they flashing? If not, something is wrong -- turn off the game.
4. Listen for sound (a few notes should play on power up).
5. If you do not hear any sounds and the green LED is flashing try turning up the volume and check the speaker connection. Dropping a coin through a coin switch should cause a sound. If you do not hear anything at all and the connections look good or if the green LED is not flashing, call one of our technicians.
6. Look at the image on the monitor. Is it in sync? If not, and you can't stop it from rolling by adjusting the monitor's sync controls, try flipping SW1 on the logic board (marked +SYNC).
7. How's your picture?
   o Is it centered?
   o Is it too bright or too dim?
   o Is it in focus?

Check your monitor manual for making these adjustments. Some test patterns are available through the game's diagnostics (accessed by pressing the service switch). Use these when making any adjustments. See page 16 for information about diagnostics. Proper monitor adjustment is very important in making your new game look new.
Control Panel Assembly

1. Remove all the old buttons, joysticks, and wires from the control panel and set them aside. Do not remove the original panel overlay until the new holes have been drilled.
2. Mark positions on the panel for new holes.
3. Drill (or punch) the holes marked for buttons and joystick. Use a chassis or sheet metal punch for best results on button holes.
4. Use a file to smooth out the edges of all the new holes.
5. Plug up any old holes with a wood or metal plate.
6. Remove the original graphics overlay from the panel. Clean up the panel and install your STRATA graphics. Peel the top half of the protective backing off of your graphics. Start from the center and smooth out your overlay. Make sure you have about an inch extra coming off the top. No bubbles, please. Now peel off the bottom half and do the same as you did for the top. Trim off the excess overlay material with a sharp razor knife.
7. Adhere the function labels. Be sure they’re straight.
8. Mount the joystick and the buttons and wire them up.
Ticket Dispenser Installation

This game is capable of dispensing tickets through a Deltronics DL-1275 or similar ticket dispenser. Connection is through the 4-pin Molex plug at the right edge of the board marked "TICKET". It is pinned out as follows:

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ticket Sense</td>
</tr>
<tr>
<td>2</td>
<td>Ground</td>
</tr>
<tr>
<td>3</td>
<td>Motor Enable</td>
</tr>
<tr>
<td>4</td>
<td>+12 vdc</td>
</tr>
</tbody>
</table>

Note that pin 1 is nearest to the edge connector (and marked with a "1").

This is the same pin out (with a different connector) as the Oeltronics OL-1275. If you wish to connect a ticket dispenser to this game you will have to make a cable with the proper connectors. The DL-1275 mates with a Molex #03-09-1041 or #03-09-1042. The game board connector mates with a Molex #22-01-2047 or #22-01-3047. Simply connect pins 1 through 4 on one end directly to pins 1 through 4 on the other end. If the ticket dispenser is not a DL-1275 you may need a different cable. Check with our technical staff if you are unsure. Other electro-mechanical devices can be connected through this connector provided they use the same signals. The Motor Enable output is TTL-compatible and is high when the motor is turned on. The Ticket Sense input expects an open-collector TTL signal where low indicates the sensor is not blocked. When a ticket is to be issued the Motor Enable line goes high until either the Ticket Sense line goes high then low again (indicating a ticket has passed) or until about 1/3 seconds passes (meaning no tickets are left or the dispenser is jammed).

Marquee Installation

Using the original marquee as a template, center your new marquee graphics and score the new marquee deeply to fit the cabinet. Break off excess with pliers. Be sure the light behind the marquee works. Everything should always work on a new game.

Side Graphic Installation

1. Be sure the sides of the cabinet are very clean, smooth, and free of any old adhesive, dust, etc.
2. Mark position of decal lightly with pencil (centered on upper half of cabinet).
3. Spray the side of the cabinet with glass cleaner (Windex).
4. Peel off the top 1/4 of the decal backing and apply to the cabinet starting at the top with a smoothing motion. Continue peeling off backing and smoothing.
5. Squeegee all bubbles and ripples out of the decal (use a piece of cardboard if you don't have a squeegee).
6. The Windex will allow some movement for a little while after application of the decal. Position correctly and allow to dry (requires several hours to fully cure).
Finishing Touches

1. Check the game inside and out for any imperfections. Secure any loose wiring or fastening hardware.
2. Make sure the coin door is tight and the coin mechs are well adjusted. A game is no good to anybody if you can't get a coin into it.
3. Once again go over every step of the transformation in your mind. Be sure everything is correct and to your liking.
4. Make sure all subassemblies are firmly attached. Anything which is not mounted securely will rattle annoyingly when the game is played. This game makes use of low-frequency sounds which can cause any loose joints to rattle.
5. Power up the game. Try both coin switches by dropping quarters (or tokens) through to check the coin mechs as well. Is the game adding credits? Play the game. Do the select and face left/right switches work? Does the trackball work properly? The trackball can be installed wrong (rotated) fairly easily so if the ball on the screen moves in different directions than the trackball make sure it isn't rotated and that the proper connectors go to the proper opto-boards. Try playing the game with the volume up and listen for rattling as you golf. Tighten anything which is making noise.

Setting The DIP Switch

The DIP switch (SW1) is used for setting the upright/cocktail mode and video sync.

Position 1 - OFF - Negative Sync
ON - Positive Sync
Position 2 - OFF - Upright
ON - Cocktail
Position 3 - Not Used (Set To OFF)
Position 4 - Not Used (Set To OFF)
SETTING UP THE GAME

Upon initial power-up, the game will initialize to factory default settings. These settings affect game elements such as number of credits per coin, number of strokes per credit, bonus stroke values, difficulty level, ticket dispenser on or off, etc. The following section will describe how to alter these settings, view the system audits, or run system diagnostics.

Operator adjustables, audits, and diagnostics can be accessed by pressing the service switch at any time. Settings and audited accounts will be saved after the power switch is shut off. When power is turned back on, the message "SYSTEM STATUS OK" will be displayed. If for some reason any of the settings or accounts were corrupted, or if the power is being applied for the first time, the message "SYSTEM INITIALIZED" will be displayed and all factory defaults will be reinstalled. The battery on the logic board should have a life of about five years.

Pressing the service switch will take you to the operator service mode main menu. You will see this:

- **EXIT**
- **OPERATOR ADJUSTABLES**
- **AUDITS**
- **DIAGNOSTICS**

One of these items will be highlighted in red. To select an item, move the joystick up or down to highlight the desired item and press select.

The main menu will lead to a series of menus. Use the joystick the same way as above to move from one menu to the next. Exiting any menu will lead back to the previous menu. When "EXIT" is selected from the main menu, the game will return to the attract mode.

OPERATOR ADJUSTABLES

The "OPERATOR ADJUSTABLES" menu allows you to customize the game by adjusting various game features.

GAME MODE:

"GAME MODE" allows you to select between "FREE PLAY" or "COIN MODE". "COIN MODE" is the default.

RESETS:

There are three levels of reset. "RESET TO DEFAULT VALUES" will reset all operator adjustables to factory default settings, reset high scores, and reset all audit accounting data. "RESET HIGH SCORES ONLY" will reset the high score information only. "RESET AUDITS ONLY" will reset the audit accounting data only.

ATTRACT MODE SOUNDS:

The three levels of attract mode sounds are, "ALL ATTRACT MODE SOUND ON", "ATTRACT MODE MUSIC OFF", and "ALL ATTRACT MODE SOUND OFF". The default setting is "ATTRACT MODE MUSIC OFF"
DIFFICULTY ADJUSTMENTS:
Select from one of five difficulty levels or the "AUTOMATIC LEVEL ADJUSTMENT" mode. While in the "AUTOMATIC LEVEL ADJUSTMENT" mode, the game will self-adjust with respect to the skill level of the players. The default setting is the "AUTOMATIC LEVEL ADJUSTMENT" mode.

CREDITS PER COIN DOOR SETTINGS:
Select the number of credits the right and left coin doors will be worth. The default is 1 credit per coin for both left and right doors.

*NOTE*
Like always, move the joystick up or down to select the desired item. Once on the desired item, move the joystick left or right to change the value. This will be true for any adjustable items that might be described below as well as the "CREDITS PER COIN DOOR SETTINGS".

STROKES PER CREDIT & BONUS STROKES:
Golden Tee Golf works on a strokes per credit bases. That's to say that for every credit, the player will be given a set number of strokes. Additional strokes may be earned by accomplishing pars, birdies, eagles, double eagles or holes in one. A par is fairly easy to accomplish whereas a hole in one is very difficult to accomplish.

The default settings are as follow:

<table>
<thead>
<tr>
<th>STROKES PER CREDIT</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>BONUS STROKES FOR PAR</td>
<td>0</td>
</tr>
<tr>
<td>BONUS STROKES FOR BIRDIE</td>
<td>1</td>
</tr>
<tr>
<td>BONUS STROKES FOR EAGLE</td>
<td>3</td>
</tr>
<tr>
<td>BONUS STROKES FOR DOUBLE EAGLE</td>
<td>6</td>
</tr>
<tr>
<td>BONUS STROKES FOR HOLE IN ONE</td>
<td>8</td>
</tr>
</tbody>
</table>
TICKET DISPENSER SETTINGS:
This game is able to dispense tickets if the cabinet is equipped with a ticket dispenser. To enable the ticket dispenser, select "TURN TICKETS ON OR OFF" then select "ON". The default setting is "OFF". To set the number of tickets to be dispensed, select "SET TICKET DISPENSER VALUES". You will be able to set the number of tickets dispensed for accomplishing par, birdie, eagle, double eagle, and hole in one. The default settings are as follows:

<table>
<thead>
<tr>
<th>TICKETS FOR PAR</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>TICKETS FOR BIRDIE</td>
<td>1</td>
</tr>
<tr>
<td>TICKETS FOR EAGLE</td>
<td>3</td>
</tr>
<tr>
<td>TICKETS FOR DOUBLE EAGLE</td>
<td>6</td>
</tr>
<tr>
<td>TICKETS FOR HOLE IN ONE</td>
<td>8</td>
</tr>
</tbody>
</table>

Please note again that the tickets will only be dispensed if the ticket dispenser is enabled by selecting "ON" from the "TURN TICKETS ON OR OFF" menu.

AUDITS
The "AUDITS" section will present to you a variety of game information. This information can be helpful in adjusting the operator adjustables described previously.

TOTAL CREDITS:
This is the total number of credits that the game has given for taking in some number of coins. We will talk in terms of credits since a coin can be worth any number of credits (see "CREDITS PER COIN DOOR SETTINGS" on page 17). However, if the credits per coin setting is 1, then a credit and a coin are the same.

TOTAL BUY IN CREDITS:
This is the total number of credits given for taking in some number of coins for the sake of continuing a game in progress.

TOTAL LEFT DOOR CREDITS:
This is the number of credits given for taking in coins through the left coin door.

TOTAL RIGHT DOOR CREDITS:
This is the number of credits given for taking in coins through the right coin door.

AVERAGE CREDIT TIME:
"AVERAGE CREDIT TIME" is the average amount of time (in seconds) being consumed for a player to use one credit.

TOTAL BONUS STROKES AWARDED:
This is a count of the total number of bonus strokes awarded by the game to the players.

TOTAL TICKETS DISPENSED:
This is a count of the total number of tickets dispensed to the players.
CURRENT AUTO DIFFICULTY LEVEL or
RECOMMENDED DIFFICULTY LEVEL:

You will see one of two statistics depending on the current "DIFFICULTY
ADJUSTMENTS" from above. If the game is in the "AUTOMATIC LEVEL
ADJUSTMENT" mode you will be given the current level of play as selected by the game. If
the game is in one of the five manually selected difficulty levels, you will be given a recommend
difficulty level. The recommended difficulty level simply describes the level of play the players
are capable of. You may wish to adjust the difficulty level based on this recommendation.

TOTAL 1 PLAYER GAMES:
This is the total number of single player games played.

TOTAL 2 PLAYER GAMES:
This is the total number of two player games played.

TOTAL 3 PLAYER GAMES:
This is the total number of three player games played.

TOTAL 4 PLAYER GAMES:
This is the total number of four player games played.

TOTAL PLAYS ON ROYAL LINKS:
This describes the total number of plays on the Royal Links Golf Course.

TOTAL PLAYS ON SYLVAN LAKES:
This describes the total number of plays on the Sylvan Lakes Golf Course.

TOTAL PLAYS ON LONGWOOD:
This describes the total number of plays on the Longwood Golf Course.

DIAGNOSTICS

The diagnostics section is used for running a variety of system tests.

VIDEO TESTS:
Test color and linearity of video display.

MEMORY TESTS:
Test for RAM and ROM validity.

SOUND TESTS:
Test used for determining if the sound system is functioning.

CONTROL TESTS:
Test functionality of all game controls.
### JAMMA COMPATIBLE WIRING - for use with Jamma adapter board

<table>
<thead>
<tr>
<th>WIRE COLOR</th>
<th>SOLDER SIDE</th>
<th>PARTS SIDE</th>
<th>WIRE COLOR</th>
</tr>
</thead>
<tbody>
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