

THE PERFECT SOLUTION

Dual Game Switching Board

INSTALLATION INSTRUCTIONS

These instructions are to be followed step by step for installing the **PERFECT SOLUTION** pcb into a Golden Tee cabinet along with a Silver Strike Bowling kit (purchased separately).

While installing the Silver Strike bowl kit according to the manufacturer's specifications, mount the provided Silver Strike I/O pcb in the bottom part of the cabinet.

Leave the Golden Tee pcb and hard drive as it is in the top drawer of the game. Disconnect the JAMMA edge connector from the pcb.

Mount the **PERFECT SOLUTION** pcb to any open space in the top drawer. Mounting spacers and hardware are provided.

Connect the existing game JAMMA connector to J1 on the **PERFECT SOLUTION** board.

Connect one end of the provided short dual JAMMA harness to J2 of the **PERFECT SOLUTION** board. Connect the other end to the Golden Tee pcb.

Connect one end of the provided long dual JAMMA harness to J3 of the **PERFECT SOLUTION** board. Connect the other end to the Silver Strike I/O board recently added to the game.

Connection of the trackball harnesses.

Connect the trackball harness provided with the **SSB kit** from J5 of the **PERFECT SOLUTION** pcb to the trackball input connector on the SSB I/O pcb.

Disconnect the 6 pin Molex connector from the existing trackball and connect it to J6 of the **PERFECT SOLUTION** pcb.

Use the provided trackball harness to connect the trackball to J7 of the **PERFECT SOLUTION** pcb.

Control panel connections.

At this time mount the two provided buttons on the control panel by drilling 1 inch holes.

These buttons can be mounted wherever you like. We used opposite upper corners of the panel. Trim and insert the provided Golden Tee and Silver Strike button graphics into the two button covers. Install the Golden Tee button on the left side of the control panel and the Silver Strike button on the right.

The provided button harness wiring is tied off into three separate groups for simplicity.

Connect the 10 pin connector to the open J4 connector on the **PERFECT SOLUTION** pcb.

Locate the group with a pair of red and black wires ending in a 4 pin Molex connector.

Connect that molex to the matching 4 pin connector from the **SSB** installation.

Locate the grouping with 4 wires (red, black, white, blue). This connects to the Golf switch as follows:

White to switch common

Black to switch **NC** – Make sure you use the **Normally Closed** terminal!

Blue to one side lamp terminal

Red to the other side lamp terminal.

Locate the grouping with 3 wires (red, white, brown). This connects to the SSB switch as follows:

White to switch common.

Red to one side lamp terminal

Brown to switch **NO** and one side lamp terminal.

Make sure you use the **Normally Open** terminal of the switch!

Congratulations! You have just tied both games together for play in one cabinet.

The only step remaining is to make some minor monitor adjustments if needed.

There are minor differences in the horizontal frequencies of both games. We have tested this on all of the dedicated monitors and it will work but some older monitors, particularly the WG U5000 may need careful tuning of the horizontal hold and possibly even a cap kit to make it completely stable. With all other monitors, there is enough range in the horizontal hold circuit to make both games happy.

As with any video game, please use caution to avoid any of the lethal voltages in monitors when making adjustments. If you have any question about what you are doing, refer to a professional or contact us.

Please refer to our website: www.amusementtechnologies.com or email us at info@amusementtechnologies.com for help if you need it.