



BOB'S SPACE RACERS, INC.

TECH TIPS

Gear It Up™ Arcade Game

Common Marquee Connection Faults

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Problem:

1. The game displays the following error code:
 - Err 15
2. Bonus Wheel Score LEDs do not light.
3. The outside "sprockets" of the Bonus Wheel do not light.

Solution:

1. Check and repair wiring harness connections where the marquee plugs into the game base.

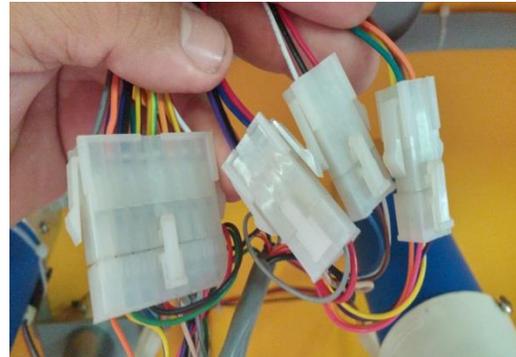


Figure 1: Pin Connectors

Note: There are four plugs that connect the Marquee to the game base: (See Figure 1)

- (1) 3-Pin Connector: Controls home position sensor on the spinner
- (1) 4-Pin Connector: Controls stepper motor
- (1) 6-Pin Connector: Controls outside LED "sprockets"
- (1) 16-Pin Connector: Controls bonus wheel score LED's

Procedures:

1. Remove the top back panel from the game base.
2. Inspect the four wiring harness plugs connecting the marquee and game base for apparent connection problems. Repair as needed.

Troubleshooting:

Problem	Solution
Spinner continuously spins and error code "Err 15" appears on the top left digital display.	Check the 3-Pin connector for loose pins or pulled wires on both the male and female plugs. Repair as needed.
Spinner does not spin at all and error code "Err 15" appears on the top left digital display.	Check the 4-Pin connector for loose pins or pulled wires on both the male and female plugs. Repair as needed.
Outside LED "sprockets" do not light.	Check the 6-Pin connector for loose pins or pulled wires on both the male and female plugs. Repair as needed.
Bonus Wheel score displays do not light.	Check the 16-Pin connector for loose pins or pulled wires on both the male and female plugs. Repair as needed.