

# Bowl-Tronics Enterprises Incorporated

Address: 1115 Sherwood Ave.

Elgin IL. 60120

Website: [www.bowl-tronics.com](http://www.bowl-tronics.com)

E-mail: [rick@bowl-tronics.com](mailto:rick@bowl-tronics.com)

Phone: 847-741-4500

Fax: 847-741-0914

## Astro Infrared Foul Conversion (AFC-1)

### Astro Infrared Foul Conversion Theory

By replacing the old Astro Telefoul PC Board and removing the old incandescent optic head. You are able to convert the old Astro Telefoul Unit to infrared. The AFC-1 main pc does all the logic functions and emits infrared across to the reflectors.

### Installation Instructions

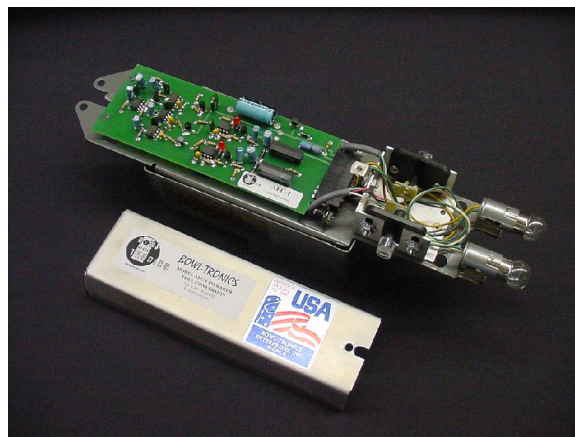
***Remember to remove power before performing any installation!!***

#### Preparing Foul Unit

Remove the Astro foul unit and take it to a workbench. Unplug the PC board from the PC connector and put aside. Remove bottom cover from foul unit and visually inspect the unit for damage. The indicator light power resistors are no longer needed. Cut all the wires going to the resistors and wire nut them together. Next, start by removing the optic head from the foul unit. Cut the wires from the photo cells at the PC connector. Unplug or cut the wires from the light source. Cut and remove the wire from transformer and cut the wire from the PC connector. Be sure not to damage indicator lights and wires. They are still used with the infrared foul conversion.

#### Installing AFC-1

Remove the optics from the optic plate from the new foul conversion. It will make mounting the new bracket easier. Mount the new optic bracket in place of old optic head with rivets supplied. The small "L" bracket is to be used if you still have the top aluminum covers. Insert new PC board into PC connector. Pull optic wires from bottom of PC board and mount them to the new optic bracket. Secure the back of the PC board to the foul unit. ***Important, replace old indicator bulbs with new ones supplied and replace the old reflectors with the new ones provided.*** Bring AFC-1 unit back to the foul line. Be sure hook up your power and autoscore connections. Position the Foul Unit with the optic tubes centered on the front edge of the foul line. Use the optic alignment LED's to align the optics. The LED's will be lit when the optics are aligned. Fasten the unit down with the screws that were removed. Test the AFC-1, if ok replace cover. If you have trouble installing the AFC-1 please don't hesitate to call our tech department.



**Notes:**

---

---

---

---

---

---

---

---

---

---

**For Repair Send Faulty Parts to:**

**Address: BOWL-TRONICS  
1115 Sherwood Ave  
Elgin IL. 60120**

**Phone: 847-741-4500  
Fax: 847-741-0914**

**Visit our web site at [www.bowl-tronics.com](http://www.bowl-tronics.com)**