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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 Telefoul 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 blow out or vacuum dust that has built up inside the foul unit. Visually inspect the unit for damage and repair. 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. Carefully cut the 4 wires from the two photo cells at the PC connector. Unplug or cut the wires from the optic light source. Cut the white wire with blue stripe directly from the transformer and pull the wire through the wire tie and discard. Carefully cut the white wire with gray stripe (optic light source wire) directly from the PC connector. Be sure not to cut the other white wire with gray stripe as it is still needed. Visually inspect indicator lights and wires as they are still used with the infrared foul conversion.

Installing AFC-1

Remove the optics from the optic plate from the new foul conversion as it will make mounting the new bracket easier. Mount the new optic bracket in place of old optic head with rivets supplied. You will have to drill or punch two 1/8" holes for the rivets to fit.

The small "L" bracket is to be used if you still have the top aluminum covers. *Important, the aluminum cover needs to be modified in order for it to mount to the "L" bracket. You must first cut the tabs off the old cover and punch or drill a 3/16" hole at the top. View the picture on back of page for reference.*

Insert the new AFC-1 PC board into the Astro Telefoul 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. *View the picture on back of page for reference.*

Important, replace old indicator bulbs and reflectors with the new ones provided. Bring AFC-1 unit back to the foul line and 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. Test and verify the AFC-1 is functioning properly before you fasten the unit down with the screws that were removed. If you have trouble installing the AFC-1 please don't hesitate to call our tech department.



For repair visit: www.bowl-tronics.com/service

Fill out our service request form and ship to the address that is shown.

Notes:
