

"PIAIE ALL TRANSISTORIZED 9 VOLT RECEIVER WITH RELAY"

The "PIAIE" receiver is a single channel tone unit fully transistorized and temperature compensated. The miniature size and light-weight of this receiver is ideal for small, compact radio control installations.

Full receiver protection is assured by the rugged plastic case. The "PIAIE" Receiver will operate and is tuneable over all the new frequencies of 26.995 to 27.225 MC as allocated by the F.C.C.

Dimensions and Battery Voltage: The size of the receiver is $1\frac{1}{4}$ " x 1 " x $2\frac{1}{4}$ " -- VOLTAGE: 9 Volts (1 Burgess 2U6 or equal).

Familiarize yourself with your receiver before installing in your favorite model. Wire your receiver and get to know its operation and functions. A "mock-up" of your installation, done on your workbench is ideal and will further guarantee trouble-free operation when final installation is made in your model.

Wire your "PIAIE" receiver as shown in the diagram - study this diagram and your wiring so that no errors are made; the components will be damaged by reverse battery connections. ALWAYS double check ALL wiring before turning your switch to the "ON" position. This simple precaution applies to all electrical devices and will save you many dollars in repair costs.

When installing your receiver, it is important to keep all wiring neat and wires as short as possible. However, do not make the wires or cables so short as to impose a strained connection. Mount batteries, switch and meter jack firmly and away from areas which may become soaked with oil or fuel. USE ONLY ROSEN CORE SOLDER for making soldered connections and DO NOT use solid wire for hook-up but rather a flexible stranded wire with a plastic insulation.

TUNING:

- [1] Double check your wiring, insert your 0-50MA D.C. meter into the closed circuit jack. Turn switch to "ON" position.
- [2] The meter will read approx. 5-10 MA with a slight needle fluctuation.
- [3] Turn your Tone transmitter (the new all transistor PIAIE Sub-miniature tone or the 2 AP tone transmitter are perfect companions to the PIAIE receiver) "ON" and the fluctuation (step 2) will stop. Have your transmitter at least 10 feet from the receiver or you may cause a "swamping" condition which will give erratic receiver response.
- [4] Key your transmitter and you will see a current rise on your receiver meter. It may be necessary to turn the frequency adjustment screw of the receiver in or out in order to obtain a maximum meter reading (maximum signal) of approx. 20 M.A. Use a non-metallic insulated screwdriver or tuning wand for this operation.
- [5] Remove the meter and confirm the proper operation of your servo or escapement.

The above steps are adequate for initial tuning - final range check at a distance of 200' - 300' should be made.

The receiver relay is factory set and should not be tampered with unnecessarily. The contact capacity is 6 volts D.C. at 1 ampere; coil resistance is 50 OHMS

SUGGESTIONS:

- [1] Be sure batteries are fresh; check voltages under "load" conditions (when receiver is getting maximum signal) discard batteries if they read less than 7.5 volts.
- [2] Roll your receiver in $\frac{1}{4}$ " to $\frac{1}{2}$ " foam rubber before installing in receiver compartment.
- [3] Use the antenna full length. If it is absolutely necessary to shorten the antenna do not make it less than 18".
- [4] Keep your model and equipment clean.

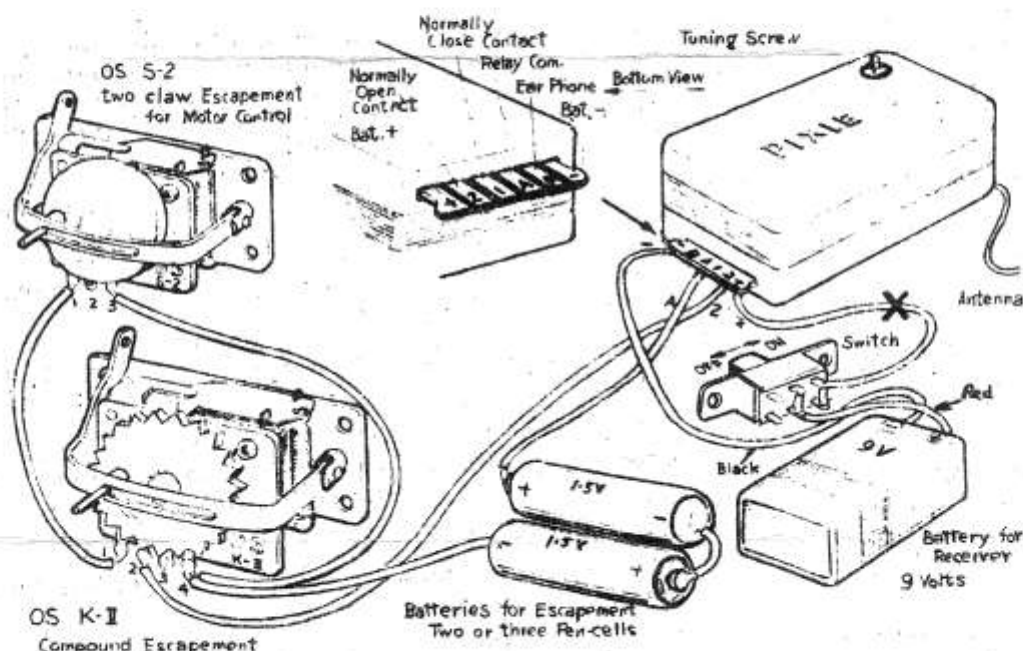
WARRANTY AND GUARANTEE:

Factory assembled and tested ARISTO-CRAFT Radio Control Equipment is warranted for a period of thirty days from the date of purchase. Any factory assembled and tested unit that fails to operate within this period will be repaired or replaced up return **DIRECTLY TO THE ARISTO-CRAFT Co.** This warranty is void if the equipment has been tampered with, excessive voltage used, modified, used with acid core solder, or otherwise abused beyond that encountered in normal use.

Tubes, transistors, and crystals cannot be guaranteed against burn-out or breakage,...If your equipment requires service **PLEASE** follow outlined procedure:

- A. Send your equipment direct to ARISTO-CRAFT DISTINCTIVE MINIATURES, Radio Control Dept., 314 Fifth Ave. New York, N. Y. 10001. **DO NOT RETURN YOUR EQUIPMENT** to your hobby dealer; he is not authorized to make repairs, adjustments, or exchanges. Any commitment your dealer may make is his own responsibility and does not bind Aristo-Craft to said commitment unless written authorization is given by Aristo-Craft.
- B. Pack in a rugged container, wrap your package carefully, **AND CLEARLY PRINT** your RETURN name and address in the upper left-hand corner. **DO NOT** ship in the original packaging as it is not considered adequate for safe shipment. We cannot be held liable for damage due to poor or insufficient packaging.
- C. **DO NOT SEND BATTERIES OR BATTERY BOXES.**
- D. Send package by **INSURED MAIL.**

We will make every effort to return your fully repaired unit in ten days or less.



Insert closed circuit jack at point marked "X"
if you wish to use a meter for testing.