

## SIGTRONICS' RES-400/RES-600 MODIFICATIONS

### For Low Power Music Sources:

The RES-400/RES-600 Switchers are designed to be used with stereo music sources with an output of 2 watts or higher. They can, however, be used with portable type stereos with power ratings of as little as 10 milliwatts per channel (20 mw monaural). This is normally a headphone type output. Also, Stereo sources with line level outputs cannot be used directly into the Sigtronics system without an amplifier.

**Symptoms:**Very weak music volume in the headsets. Aircraft radio volume and intercom volume levels normal.

The following modification is required when a Sigtronics Stereo Switcher, model number RES-400 or RES-600 (part of a ST-400 or ST- 600) is used with a low power stereo such as a portable "Walkman". (See FIG. 1)

1. Remove both 22 ohm 2 watt resistors (the big ones) from circuit board as shown. This can be done by either clipping them out with cutters or unsoldering them from the board. You might want to save these if, at a later date, you decide to hook a high power type stereo to the Sigtronics Stereocom system.
2. Remove both 100 ohm 1/4 watt resistors from circuit board and replace with two 10 ohm 1/4 watt resistors.

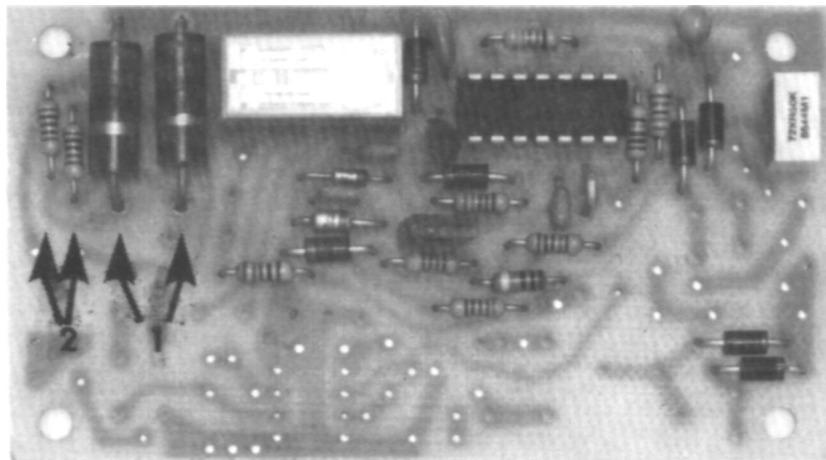


FIG. 1

### For Monaural Operation:

A Sigtronics Stereo Switcher can be installed for use with monaural general aviation type headsets. Follow the installation instructions as normal for stereo operation except for the wiring of the stereo headphone jacks. Use the stereo headphone jacks supplied with the Sigtronics Stereo Switcher but leave the "RING" connections open. Connect both headphone wires (GRAY and GREEN for the pilot and copilot, BLUE and WHITE for the passengers) to the "TIP" of the jacks (See FIG 2).

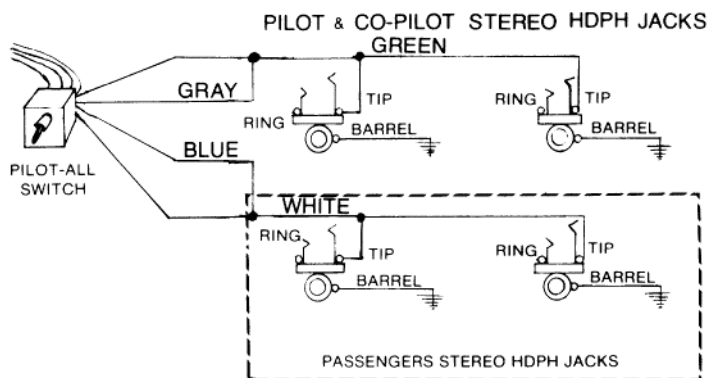


FIG. 2

### For Stereo Sources with a Four Wire Floating Ground Speaker Output:

**CAUTION:** Do not connect a stereo with a four wire floating ground type speaker output directly to a Sigtronics Stereo Switcher (RES-400/RES-600) as it may damage the switcher and/or the stereo. This type of stereo can be used, however, if a floating ground adapter is installed between the stereo and the switcher. An adapter can be obtained from auto stereo equipment manufacturers or retailers.