

## SECTION V MAINTENANCE

### 5.1 PERIODIC INSPECTION AND PREVENTIVE MAINTENANCE.

#### 5.1.1 ATTENUATORS.

Clean all attenuators occasionally to avoid noisy operation.

- a. Remove the dust cover.
- b. Wipe each contact and contact arm with a lint-free cloth that is saturated with carbon tetrachloride.
- c. Apply a thin film of contact lubricant such as Daven oil or equivalent.
- d. Replace and secure dust cover.

#### 5.1.2 KEY SWITCHES.

The contacts of the key switches should be cleaned occasionally with a burnishing tool. Be careful not to bend any of the leaf springs.

#### 5.1.3 WIRING.

Check all wiring for loose connections and frayed insulation. Make certain that all terminal strip screws are tight.

### 5.2 TROUBLE SHOOTING.

#### 5.2.1 GENERAL.

When one of the amplifiers is plugged into the test cable connector and the cable is plugged into the

console, the amplifier may be turned upside down for testing and maintenance.

#### NOTE

To remove an amplifier module, lift the rear edge of the module clear of the retaining rail, and push toward the rear to unplug.

Refer to the instruction book for the individual module for trouble-shooting and maintenance procedures. All subassembly instruction books are supplied following section VII of this instruction book.

#### 5.2.2 REPLACEMENT OF METER LAMPS.

The two lamps are located inside the 212G-1 front panel. Both are mounted on a bracket that is accessible when the front panel is tilted forward.

#### 5.2.3 EXCESSIVE DISTORTION.

If excessive distortion is noted, it may be due to an unbalanced condition in the push-pull output stage of the 356B-1 Program/Monitor Amplifier. Replace tubes V303 and V304.