SERVICE NOTE



493A/495A

MODEL 493A/495A TRAVELING WAVE TUBE AMPLIFIERS Serials Below 304-00226

AIR DUCT KIT 493A-95B

Air Duct Kit, @ Stock No. 493A-95B, is available for 493A/495A Traveling Wave Tube (TWT) Amplifiers, serials below 304-00226. Installation of this kit will promote more efficient TWT collector cooling.

Installation requires one hole to be drilled in the chassis, air duct brackets mounted, and duct installed. No tests or adjustments are necessary after installation.

PARTS FURNISHED IN KIT 493A-95B

Qty.	Description	W Stock No.
1	Air Duct	495A-85A
1	Bracket, fan	489A-12S
2	Machine screw, binding head, $6-32 \times 1/2$ inch	2390-0001
2	Machine screw, binding head, 6-32 x $5/16$ inch	2390-0009
1	Machine screw, round head, 6-32 x 1 inch	2360-0013
3	Hex nut, 6-32 x 5/16 inch w/lockwasher	2420-0001
1	Hex nut, 6-32 x $5/16$ inch	2420-0003
1	Spacer, brass, #6-8 x 9/16 inch	0380-0009

COMPLETE COVERAGE IN

ELECTRONIC MEASURING EQUIPMENT

INSTALLATION PROCEDURE

- 1. Remove ac power cable from instrument.
- 2. Remove four flat head screws from top cover. Slide cover back and off instrument.
- 3. Repeat process of step 2 with bottom cover.

Note

Refer to Figure 1 for the following steps.

- 4. Install fan bracket, \$\overline{\psi}\$ Stock No. 489A-12S, on fan shroud. Use $6-32 \times 1/2$ inch binding head screws and 6-32 nuts with lockwasher.
- 5. Holding air duct and spacer in position, mark position of spacer center on chassis.
- 6. Remove duct and spacer from instrument. Center punch and drill a #14 hole in chassis where marked.
- 7. Assemble 6-32 x 1 inch screw, spacer, and nut without lockwasher to duct as shown.
- 8. Install duct in instrument with two 6-32 x 5/16inch binding head screws and 6/32 nut with lockwasher. Duct should not touch any components on modulator board.
- 9. Replace top and bottom covers.
- 10. Replace ac power cable and instrument is ready for use.

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