

AUGUST 1973

SERVICE BULLETIN #123

TO: ALL AUTHORIZED WARRANTY STATIONS
FROM: LEN GAYNOR, NATIONAL SERVICE MANAGER
SUBJECT: MODIFICATION TO MODEL 330A OUTPUT STAGE

In the event you receive a Model 330A with a defective output stage, we recommend that the following procedure be followed:

1. Regardless of how many output devices failed, change ALL FOUR output devices.
 2. Replace only with a new RCA device bearing HK #43027213. DO NOT use either the 2SC1061 or the 2SD317 devices.
 3. Order from the factory:
 - a) Required quantity of output transistors, HK #43027213 (4 per unit).
 - b) An equal quantity of replacement mica washers, HK #85519266.
 - c) 1 piece per unit of new heat sink, HK #60229086.
 - d) 1 piece per unit of #6 self-tapping screw, HK #74419303.
 4. With all the above parts, make the following modification:
 - a) Remove top and bottom covers.
 - b) Remove 4 output transistors, 4 screws, 4 nuts, 4 shoulder washers, and 4 mica insulators.
 - c) Save 4 screws and 4 nuts, discard transistors, shoulder washers and mica insulators.
 - d) Install the replacement output transistors with the new mica washers making sure that you use an ample amount of silicon grease. NOTE: New shoulder washer is not required, as the washer is attached to the transistor.
- NOTE: When remounting these output transistors, the screw should be mounted from the top of the chassis, and the nut from the bottom of the chassis, and tightened securely.
- e) Remove screw holding bias diode terminal strip, and discard screw.
 - f) Remove two (2) chassis screws and install additional heat sink piece, using ample silicon grease under all surfaces of the extra piece which will touch the existing heat sink area.
 - g) Remount the bias diode terminal strip in the hole provided in the new heat sink piece (use self-tapping screw).
 - h) Carefully inspect all to be sure no terminals or wires have been shorted, etc.
 - i) Adjust idling current to 20 ma, by setting VR502 and VR602 to read 10 mv across R918 (0.5 ohm) and R920 (0.5 ohm).

harman/kardon

INCORPORATED

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BULLETIN

