

# SONY

## Service Bulletin No. 49

**SONY CORPORATION OF AMERICA**

*Technical Publications Department*

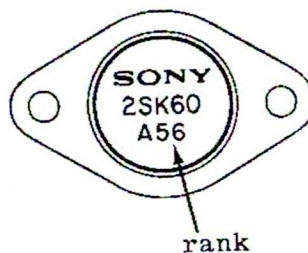
47-47 Van Dam Street, Long Island City, New York 11101

Model: TA-4650, -5650

Subject: V-FET Replacement

Date: August 16, 1976

The TA-4650 uses two V-FETs (2SJ18 and 2SK60) and the TA-5650 uses four V-FETs, in each channel of its power amplifier. Both the 2SJ18 and 2SK60 are divided into six ranks (-53 to -58) according to their  $V_{sgo}$  (gate-source voltage) and  $V_p$  (cut-off voltage). It is necessary to use the same rank V-FETs in the same channel. The rank is indicated on each V-FET as shown. If the correct rank is not available, replace with a complete set of another rank.



It should be noted that only the ranks from -54 to -57 are usable in the TA-4650/5650.