

4052 SERVICE UPDATE PROGRAM DELETED

A Service Update Program was set up to provide free updates for the customers who had a 4052 with Level 3.1. The update would take them to L3.2. Level 3.2 has been replaced by Level 4.1 an 050-1282-01 kit which is not a free update to non warranty, maintenance agreement, or rental customers. Any customer who requests or needs the latest level of firmware will be charged for parts and labor unless they are under warranty, maintenance agreement, or rental. If a customer has a hardware failure on the MAS board which contains a level of firmware lower than 4.1 and the exchange board you install in the customers unit has L4.1 then charge only for exchanging the board. Do not charge for the firmware update in addition to the exchange price of the board.

This procedure becomes effective May 5, 1980.

--Del Moore
63/503, ext. 3930

4052/4054 HARD COPY QUALITY

It has been found that power supply noise from the +5 volt output board in 4052's and 4054's has been degrading hard copy quality. A mod has been generated to reduce the noise from the +5 volt supply, thus increasing hard copy quality.

Corporate Mod #39429 adds a capacitor and a toroid to the +5 volt output board. For the 4054 the board level changes from a 670-5622-00 to a 670-5622-01. The board for the 4052 is 672-0833-00. Procedure: (refer to figure 1)

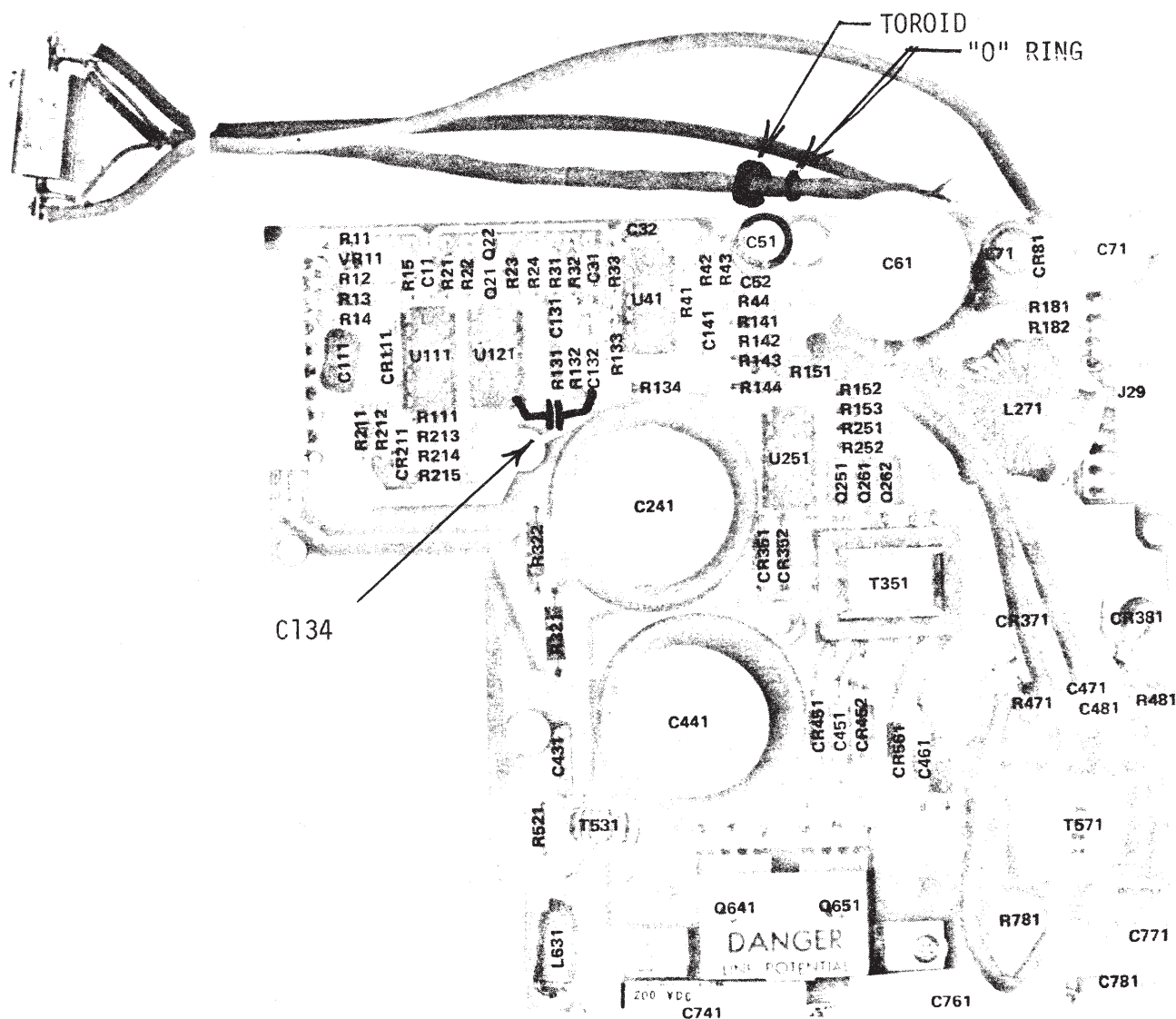
1. Add a 2 μ f CAP C134 P/N 283-0212-00 from the junction of C132, R133, R131 to ground (pin 8 U121)
2. Unsolder the grey cable with the small red and black leads. The red lead attaches to the right side of R134, the black lead attaches to the eyelet under U41. It is important that this be unsoldered at the board, DO NOT UNSOLDER it at the resistor on the back panel.
3. Put the toroid T1003 P/N 276-0640-00 on the gray cable then put an "O" ring 354-0538-00 on the cable to keep the toroid away from the circuit card.
4. Resolder the red and black leads to the circuit card. Red lead to the right side of R134 and the black lead to the eyelet hole under U41.

(continued on the following page)

The modification should be done on any instruments giving a poor hard copy or on instruments that are difficult to adjust in for good hard copies.

Make the appropriate changes to the schematics and parts lists in the 4052/54 Manuals 070-2829-00 and 070-2839-00 (refer to figure 2).

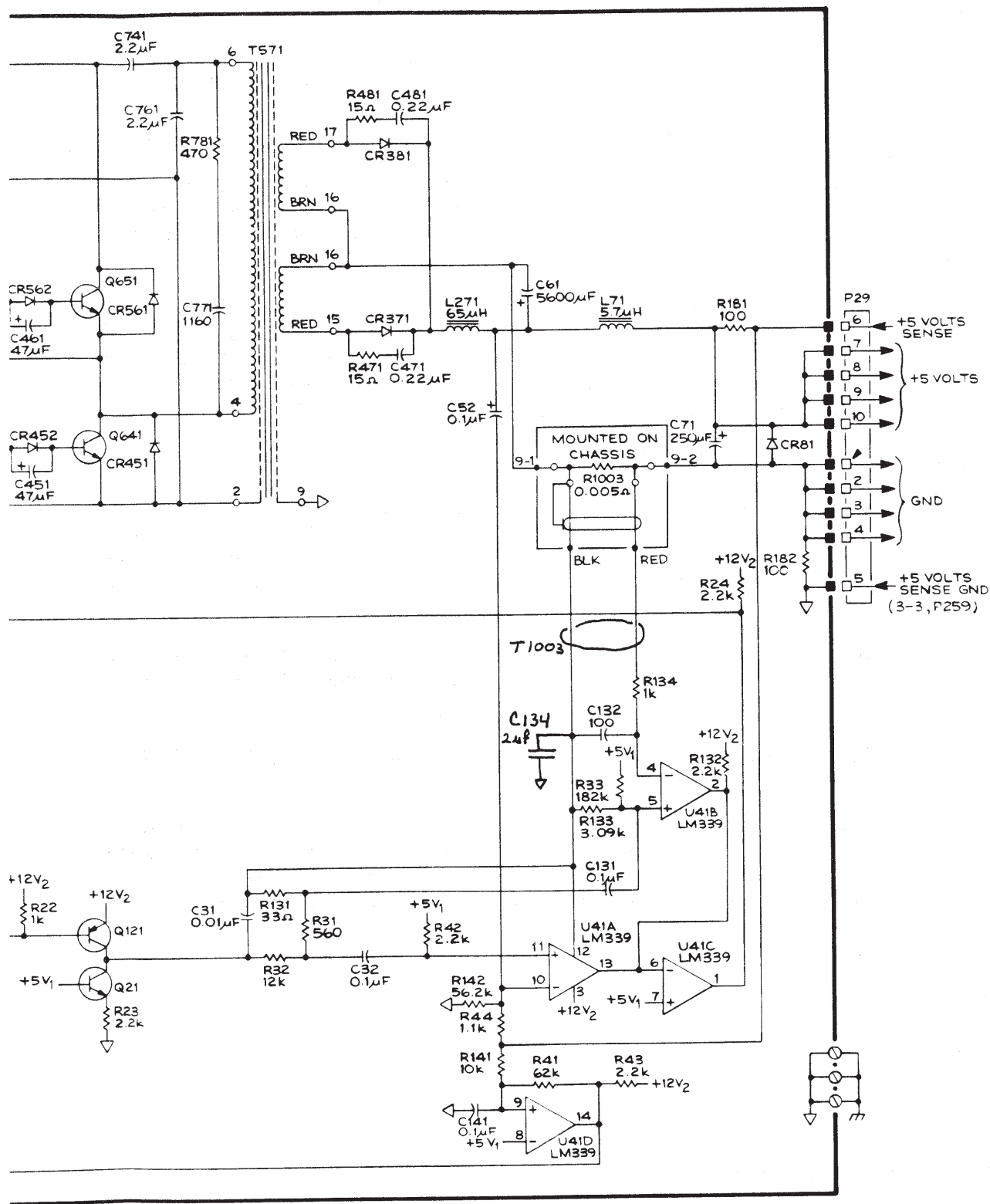
--Frank Lees
63/503, ext. 3929



+5 Volt Output Component Location (067-5622-00).

(FIGURE 1)

(continued on the following page)



(FIGURE 2)