

Title: Bobcat Software v1.4 Upgrade For 38.4KBaud Operation (ECO-2979)

Product: Bobcat Routing Switcher

Date: April 22, 1998

Issue:

This technical bulletin covers the modifications necessary to upgrade the Bobcat routing switcher software from v1.3 to v1.4. This software change allows an increase in serial port speed from 9600 Baud to 38,400 Baud.

Solution:

Obtain Modification Kit 81-9065-2077-0 and replace U5 as follows:

1. If your Bobcat has push buttons on the front panel, remove the four screws (two on the top plate and two on the bottom plate) that secure the front panel to the chassis. If your Bobcat does not have push buttons on the front panel, skip to Step 3.
2. Disconnect the cable from the RJ-45 connector on the front panel and carefully lay the front panel aside.
3. Remove the two screws on the back which secure the motherboard to the chassis and remove the motherboard.
4. Locate U5 on the motherboard as shown by the arrow in Figure 1.

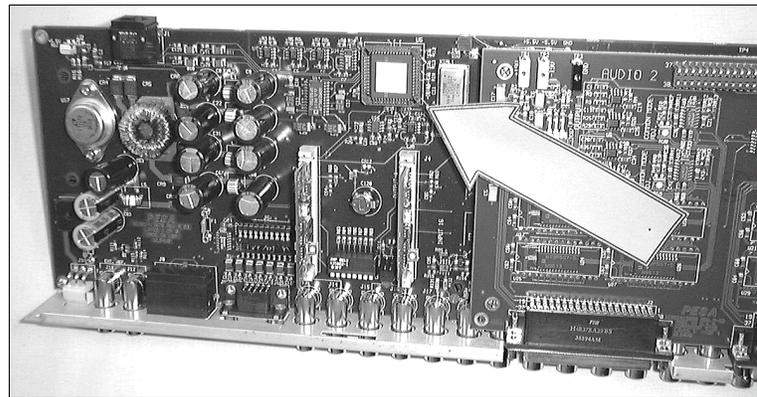


Figure 1. Orientation View

5. Using a PLCC removal tool, carefully remove the microcontroller from the socket.

6. Orient the new microcontroller for insertion into the socket by aligning the dot on the microcontroller with the “1” silk screened on the printed circuit board (on the left side in Figure 2). This should also bring the chamfered corner of the microcontroller into alignment with the corresponding corner of the socket (lower left corner in Figure 2).

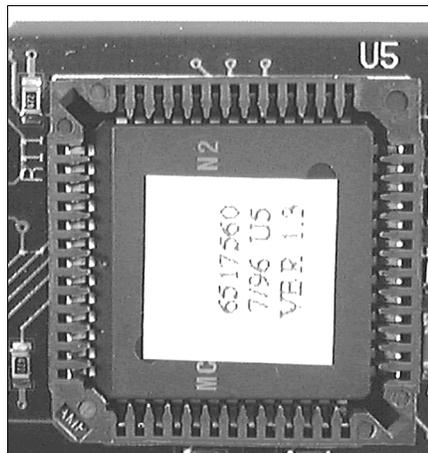


Figure 2. U5

7. After correctly orienting the new microcontroller, carefully press it into the socket until fully seated.
8. Reverse steps 1 through 3 for reassembly.