

## Technical Bulletin

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### Bobcat Software Upgrade v1.4 to v1.5 (ECO 3181, CE00126)

**Product:** Bobcat Routing Switcher

**Date:** February 28, 2001

**Issue:** U5, a single chip microcontroller on the Bobcat motherboard, requires replacement to upgrade the software from v1.4 to v1.5.

**Solution:** 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.

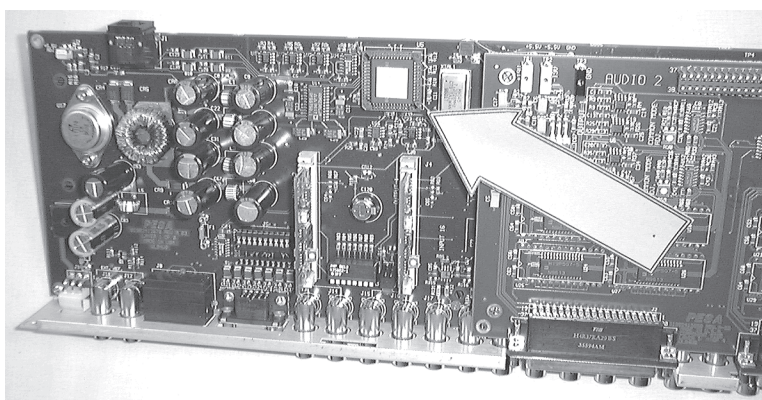
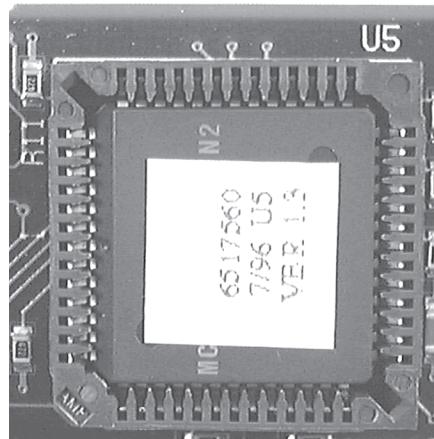


Figure 1. Orientation View

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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. Close Up View of 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.