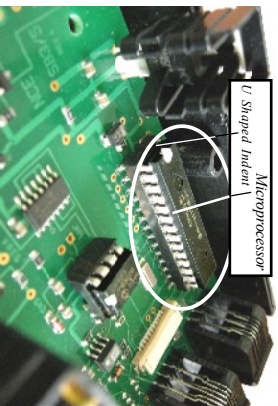


# INSTALLING THE NCE SB3A/SB5 UPGRADE CHIP

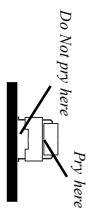
1. Unplug the SB3A/SB5.
2. Remove the 2 screws that hold the top to the bottom of the case.
3. Carefully work the top of the case up and off. Set aside.



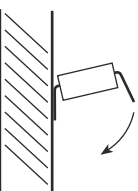
4. Locate the Microprocessor chip along the right hand side of the case. It is the largest chip inside the SB3A/SB5.



5. Use a small Flat screw driver or hobby knife to separate the Microprocessor chip from the socket. Make sure you pry **BETWEEN** the socket and the chip. Work end to end lifting a little on one end, then a little on the other end. Pry the Microprocessor chip straight up from the socket. You will no longer need this chip but hang on to it for the time being.

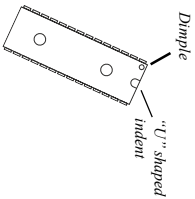


6. The new Microprocessor chip may come to you with its legs slightly splayed outward. You will need to bend these legs so that they are straight down from the sides of the chip. Place the chip on a flat, hard surface as shown in the diagram and bend the body of the chip so that the legs are straight. Repeat with the opposite side legs.



7. There is a small "U" shaped indent or dimple in one end of the chip. This is the **TOP** of the chip. Place the chip on the socket with this "U" shape toward the rear of the case.

8. Align the legs to the socket. When satisfied that **ALL** of the legs are in line with a socket position, press the new chip down into the socket. Work from end to end, press a little on one end, then a little on the other end. Keep doing this until the Microprocessor chip is **FULLY** seated in the socket.



9. Examine the installation to ensure **ALL** 28 of the legs have engaged the socket correctly.
10. Replace the top of the case and the 2 screws that hold the top to the bottom. **DO NOT OVERTIGHTEN THE SCREWS.** You could inadvertently break the screw boss inside the case.
11. Plug the SB3A/SB5 back into your railroad and enjoy the greatest train control in model railroading!



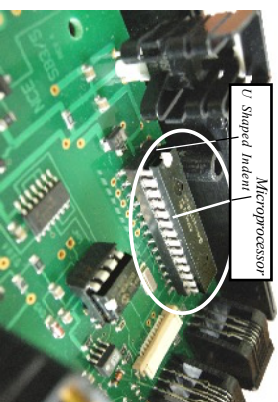
*Make sure none of the legs are bent under or outside the socket.*

# INSTALLING THE NCE SB3A/SB5 UPGRADE CHIP

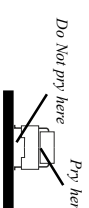
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3. Carefully work the top of the case up and off. Set aside.



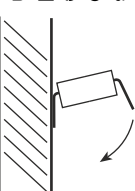
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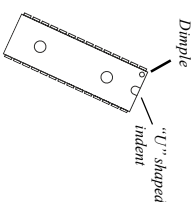


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