

## S2000 Turn Signal Relay Mod to eliminate hyper-blink

If you change your turn signal bulbs to LEDs the stock blinker relay will “hyper-blink”, which is designed to indicate a bulb is burned out, but in this case you’re using less current because you’ve installed super-efficient LEDs. The typical “fix” is to add power resistors in parallel with the new LEDs so they draw the same current as the original bulbs. That seems counter-productive to me; why use power-efficient LEDs if you’re going to add resistors so they use the same power as before?

You can fix the hyper-blink without adding power-robbing resistors by modifying the blinker relay. There are 2 styles of relay that I’ve seen. The one on the left is most common but I have seen of a few of the ones at the right as well. As you can see, the modification is about the same on each relay. You cut two circuit traces, add one jumper wire, and install a 3.3 ohm 1/8 watt resistor as shown. After this is done, the relay will always blink at the normal rate as long as any single LED or light bulb is still in the circuit.

