

Re: Need help with intermittent circuit failures – JK Flip Flops

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 - *Date:* Sun, 11 Jun 2006 19:25:07 +1000
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However, do I really need to add another IC to my board (the 2nd 555)?
This board has to be as small as possible... I didn't think I'd need so much electronics to do this simple task. Maybe 1x 556 (dual 555 IC) instead of 2x 555 would save a little more space??

The second 555 isn't necessary. After thinking about it for a while, Petrus' suggestion to use unused gates to get the delay turned out to be a good one, so that's what I did. I've posted a new schematic for you on abse which has that change (as well as others) on it. After looking the schematic over, if you need a circuit description I'll be happy to post one here.

----- Hi John, I don't see the new schematic on adse =(Remember how you couldn't see mine? Looks like the same thing is happening. Please, I would like to see it =)
If I could get away without the need for an additional IC, I'd be happy. But if I need it I need it... but I'll probably end up somehow wiring up a 556 rather than two separate 555's. That'd be alright wouldn't it?

The two 15V zener diodes across the motor opposite each other is critical yeah?

Maybe not critical, but you need them in there to clamp any transients caused by a change of current in the inductance of the motor.

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John, please confirm the correct wiring of these zeners on my schematic if your new schematic doesn't include this section of the circuit. I'm not 100% if I understood what you meant by, "connect two 15V Zener diodes in series opposition across the motor".

Jason.

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