

## Re: Function of component in flash tube trigger circuit?

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- *From:* "James Sweet" <[jamessweet@xxxxxxxxxxx](mailto:jamessweet@xxxxxxxxxxx)>
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What seems strange is this transformer must be half or third of the volume of the ones in compact camera flashes but the tube is perhaps 100x the volume of the tube in one of those cameras (1cm diameter, 20cm long).

Don't

know the joules rating of this one, a large studio flash unit, but 530V standing voltage. Perhaps 2m of wire wrapped around the flash tube, as trigger, all in all seems inadequately tiny in comparison.

I think I'll try 2 camera ones in series with 100 ohms initially to try and

localise why not triggering. I may try subbing this tiny stepup transformer

with one 3 times the size from a compact camera, as am wondering if it could

be internally arcing across turns.

The size is virtually irrelevant, as Sam says, almost no current is required. I've used a tiny trigger transformer salvaged from a disposable camera to trigger a huge (about 8" long) 1KJ flash tube. Some are bigger, some are smaller, it has more to do with age, manufacturing process, and the need for compactness.