

Exhibitor _____ County _____

Indiana 4-H Electric Division II Judging Sheet "Magnet-Powered Flashlight"

Coil *do not remove self-fusing tape from coil!

Is the coil centered between the sponge rubber bumpers and taped securely to the clear plastic tube?

Yes No

Have the red wires been soldered onto the terminals of the coil? (Perform a visual inspection through the tape to see if solder has been applied to the terminals.)

Yes No

Printed Circuit Board (PCB) *do not remove PCB from tube!

Are all component leads and wires soldered to the metal foil?

Yes No

Are there any solder joints with too much solder?

Yes No

Are there any solder joints that need more solder?

Yes No

Are there any cold solder joints?

Yes No

Are there any solder bridges?

Yes No

Does red insulation cover the wires all the way to the PCB?

Yes No

Is there any damage to the PCB or components from soldering?

Yes No

Exhibit

Does the "Shake Light" illuminate when shaken?

Yes No

Is the "Shake Light" displayed neatly? (Maximum display board size is 8½" x 11")

Yes No

Is the "What I Have Learned" worksheet attached? (If required)

Yes No

Ribbon (circle)

Champion Reserve Champion Blue Red White Green

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