Mag wiring schematics are taken from Z-20. Quotes are from Note 3. I drew a line between the shield 'hoop' at the switch and the 'hoop' at the mag to signify its electrical connection to what I hope is the engine block (or maybe the mag case connected to the block). My markups are otherwise in red and green...I hope!

"In the MAG ON position, the shields are protection from electrostatic coupling of magneto noise. The shields should not be attached to any form of ground at the panel, just the magneto switch."

"Attach the shield to engine ground at the magneto end."

"Attach the shield to one and only one switch terminal at the cockpit end as shown."

"In the switch OFF position, the shields are used as a ground return for the magnetos."

"Use shielded 20 or 22AWG wire to control the mags."

"Attach the shield to one and only one switch terminal at the cockpit end as shown."

"Attach the shield to engine ground at the magneto end."

Switch shown in MAG OFF (down) position

Switch shown in MAG OFF (down) position

Switch shown in MAG ON (up) position.

Switch shown in MAG ON (up) position.