

HEADLIGHT WARNING ALARM

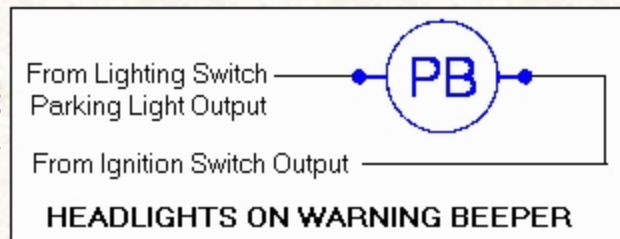
DIY - \$3

- Never leave your headlights on again
- a -Do It Yourself- (DIY) plug-in device
- Sounds an alarm if you leave your lights on
- Plug into the fuse block behind the glove box
- draws no power
- Works with old and new fuse blocks
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HOW IT WORKS

The piezo buzzer works like a diode, only passing current in one direction. These will then be polarized, so you have to connect the positive wire to battery positive. Nice thing about this is that you do not need a relay for this application.

Connect the piezo buzzer between the ignition switch output and the lighting switch parking light output. Switch on parking lights. If it doesn't buzz, swap the wires on the piezo buzzer.



With ignition and lights on at the same time the buzzer has 12 volts on both sides, will pass no current, and will not sound. With ignition switch on but no lights, the piezo buzzer has 12 volts on one side but will not pass current in that direction, so also does not sound. With lights on and ignition switch off, the piezo buzzer gets power from the lighting circuit and finds ground return through the ignition coil (when ignition contact points are closed) or through the fuel pump or fuel gauge. The piezo buzzer has such high internal resistance (only a 10mA device) that the lower resistance circuits conduct current like ground connection for the buzzer. Current is limited to 10mA by the buzzer, so nothing happens in the ignition or fuel pump or fuel gauge (or heater fan, wipers or radio if any of those were left on). The little piezo buzzer could buzz loudly for six weeks before it would bleed 10 Amp-Hr of power out of the car battery.

PARTS NEEDED

\$3

TERMINAL (2)

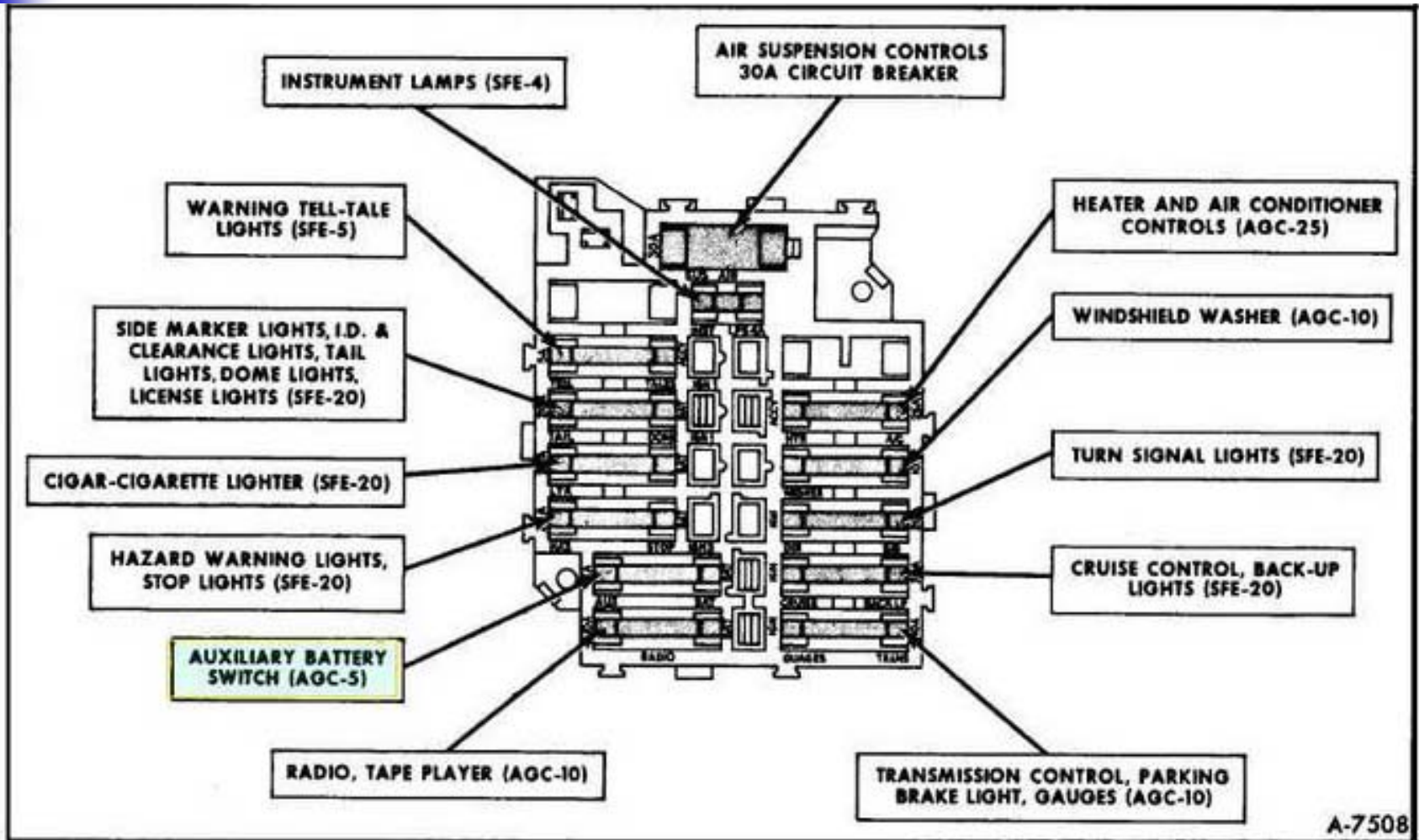


FUSE TAP (2)

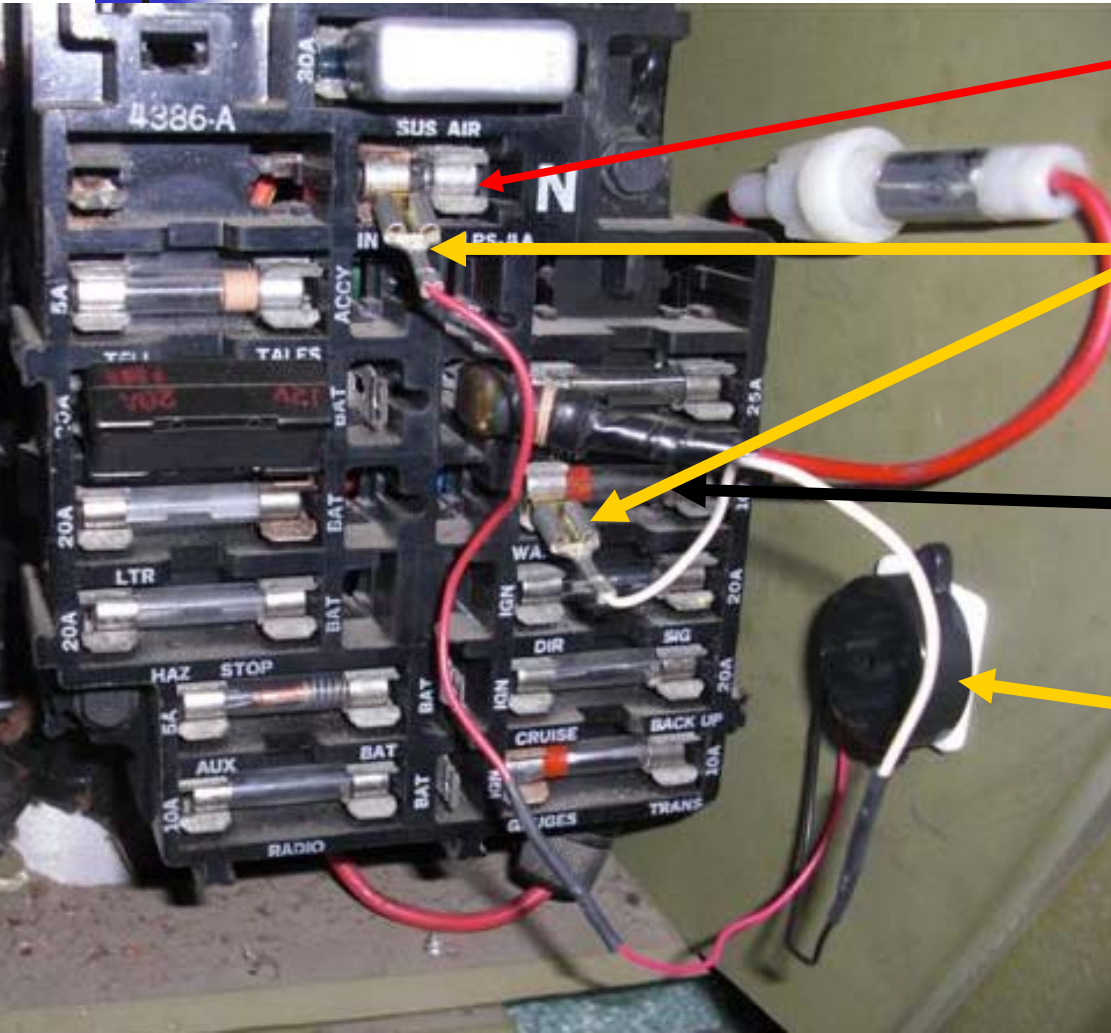


<http://goo.gl/fUDP8>

NEW FUSE BLOCK



NEW FUSE BLOCK CONNECTIONS



Positive - (red) to here

Fuse taps and terminals

Negative -(black or white)

Sonalert - Piezo Buzzer

OLD FUSE BLOCK

