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.

http://mgaguru.com/mgtech/electric/et245.htm
PARTS NEEDED
$3

FUSE TAP (2)
TERMINAL (2)

http://goo.gl/fUDP8
NEW FUSE BLOCK

- Instrument Lamps (SFE-4)
- Air Suspension Controls 30A Circuit Breaker
- Warning Tell-Tale Lights (SFE-5)
- Side Marker Lights, I.D. & Clearance Lights, Tail Lights, Dome Lights, License Lights (SFE-20)
- Cigar-Cigarette Lighter (SFE-20)
- Hazard Warning Lights, Stop Lights (SFE-20)
- Auxiliary Battery Switch (AQC-5)
- Radio, Tape Player (AQC-10)
- Transmission Control, Parking Brake Light, Gauges (AQC-10)
- Heater and Air Conditioner Controls (AQC-25)
- Windshield Washer (AQC-10)
- Turn Signal Lights (SFE-20)
- Cruise Control, Back-Up Lights (SFE-20)

A-7508
NEW FUSE BLOCK CONNECTIONS

- Positive - (red) to here
- Fuse taps and terminals
- Negative - (black or white)
- Sonalert - Piezo Buzzer
OLD FUSE BLOCK

- **Auxiliary Battery Switch** - Radio, Tape Player
- **Air Suspension Compressor**
- **30A Circuit Breaker**
- **Side Marker Lights, I.D. & Clearance Lights, Tail Lights, Dome Lights, License Light**
- **Cigar-Cigarette Lighter**
- **Stop Lights, Hazard Warning Lights, Turn Signal Lights**
- **Instrument Lamps**
- **Transmission Control, Parking Brake Light, Gauges**
- **Heater Controls, Air Conditioner**
- **Windshield Washers**
- **Warning Tell-Tale Lights**
- **Cruise Control, Back-Up Lights**

Diagram labels and connections indicate the flow and purpose of each component within the fuse block.
OLD FUSE BLOCK
CONNECTIONS