

Choke and headlight warning

D.K. Modra of Elizabeth South SA kept forgetting to push in the choke and/or switch off the headlights of his car. So he designed this circuit to sound a buzzer intermittently, after a preset period, when the choke button had been pulled out.

The microswitch is mounted on the carburettor so that C3 slowly charges up via RV1. When the voltage on C3 reaches two thirds of V_{cc} IC 555 operates in an astable mode as long as the choke control is 'out'. Oscillation ceases when the choke button is pushed in, discharging C3 via R8 and the diode.

The buzzer sounds continuously if the lights are left on after the ignition is switched off.

