

## 47 Auto Theft Alarm

□ This Auto Theft Alarm will sound your car horn if anyone opens your car door. The timers allow

### PARTS LIST FOR AUTO THEFT ALARM

**C1**—10- $\mu$ F electrolytic capacitor, 15-WVDC

**C2**—1- $\mu$ F electrolytic capacitor, 15-WVDC

**C3**—0.1- $\mu$ F ceramic disc capacitor, 15-WVDC

**IC1, IC2**—555 timer

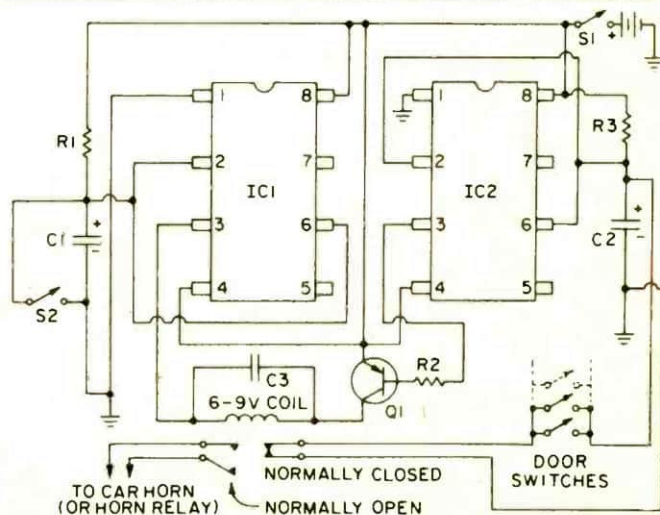
**Q1**—2N4403

**R1**—500,000-ohm,  $\frac{1}{2}$ -watt resistor

**R2**—270-ohm,  $\frac{1}{2}$ -watt resistor

**R3**—2,000,000-ohm,  $\frac{1}{2}$ -watt resistor

**RELAY**—6 to 9 VDC coil with switch contacts rated at 15 VDC/30 amps; 1 set SPST normally open, 1 set SPST normally closed



you to leave and enter the car without the horn sounding. To set, or arm, the alarm circuit, open S2. This will give you five seconds (R1, C1) to get out and shut the door behind you. If anyone opens a door for two seconds (R3, C2), the horn

will sound and will stay locked on until S1 is opened. If you open the door to enter, you have two seconds to close S2, which is plenty of time if S2 is conveniently located.