

48 Delay Wiper Control

□ Ever have the problem of not being able to make your car wipers go slow enough? And sometimes, would you like to just press a button to make wipers flip one time? This circuit does both. Set S2 to the mode you want. If you pick "repeat", then R3 will determine the time between

wipes (up to several minutes), so put R3 on a knob you can turn while sitting in the driver's seat. R5 will control the length of the wipe; you just set it once for your car. If S2 is set to "single wipe", then pressing S3 will kick the wipers up once. A very handy circuit.

PARTS LIST FOR DELAY WIPER CONTROL

C1—100-uF electrolytic capacitor,
15 VDC

C2—0.1- μ F ceramic capacitor, 15 VDC

D1—1N4001 diode

IC1—555 timer

R1—10,000,000-ohm, 1/2-watt resistor

R2—20,000-ohm, 1/2-watt resistor

R3—500,000-ohm linear-taper potentiometer

R4—18,000-ohm, 1/2-watt resistor

R5—50,000-ohm linear-taper potentiometer

R6—100-ohm, 1/2-watt resistor

S1—SPST toggle switch

S2—SPDT toggle switch

S3—SPST momentary-contact (pushbutton) switch

RELAY—9 VDC coil with normally open SPST switch contacts rated at 15 VDC/25 amps

