

WINDOW LIFT CIRCUIT

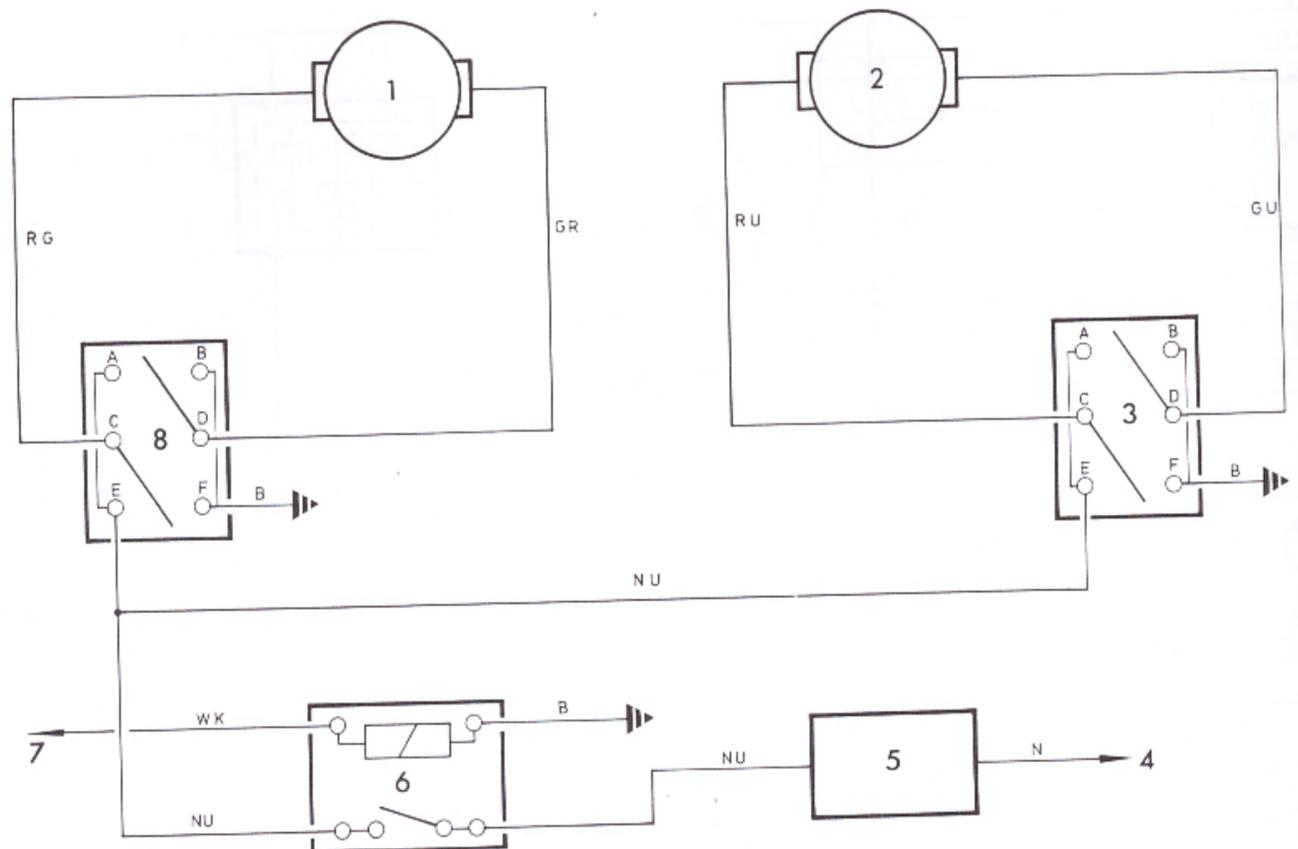


Fig. 20

KEY TO DIAGRAM

1. LH window lift motor
2. RH window lift motor
3. LH switch
4. RH switch
5. Thermal circuit breaker
6. Window lift relay
7. To ignition switch

ELECTRICALLY OPERATED WINDOWS

Description

Power is supplied to the relay contacts from the main battery supply via a thermal circuit breaker. The window lift relay is activated when the ignition is switched on. When the control switch is operated to wind the windows down, the contacts AD and CF are connected. This allows current to flow to the motor via contacts AD and the circuit to earth is completed via contacts CF. When the control switch is operated to wind the window up, the contacts BD and CE are connected. This allows the current to flow through the motor in the opposite direction via contacts CE and the circuit to earth is completed via contacts BD.

Fault Finding

Check the fuse and all connections, ensuring the earth connections are clean and tight. Check the thermal circuit breaker by joining the circuit breaker leads together. Switch on the ignition and operate the window lift switches.

Should the windows operate replace the circuit breaker.

With the ignition switched off battery voltage should be obtained at terminal W1 and C2 of the relay. With the ignition switched on battery voltage should also be obtained at terminals W1 and C2. With the ignition switched on battery voltage should be obtained at the brown terminal of the left hand window lift switch. Operate the switch. Battery voltage should be obtained at the red and green terminals when the switch is operated in the up or the green and red lead terminals when the switch is operated in the opposite direction. Should a zero reading be at either terminal replace the switch.

The same checks apply for the right hand window lift switch. Noting the colours are red and blue for the up direction. Green and blue for the reverse direction. If the checks prove satisfactory the window lift motor wiring for correct polarity. If the wiring prove satisfactory the window lift motor for bench check.