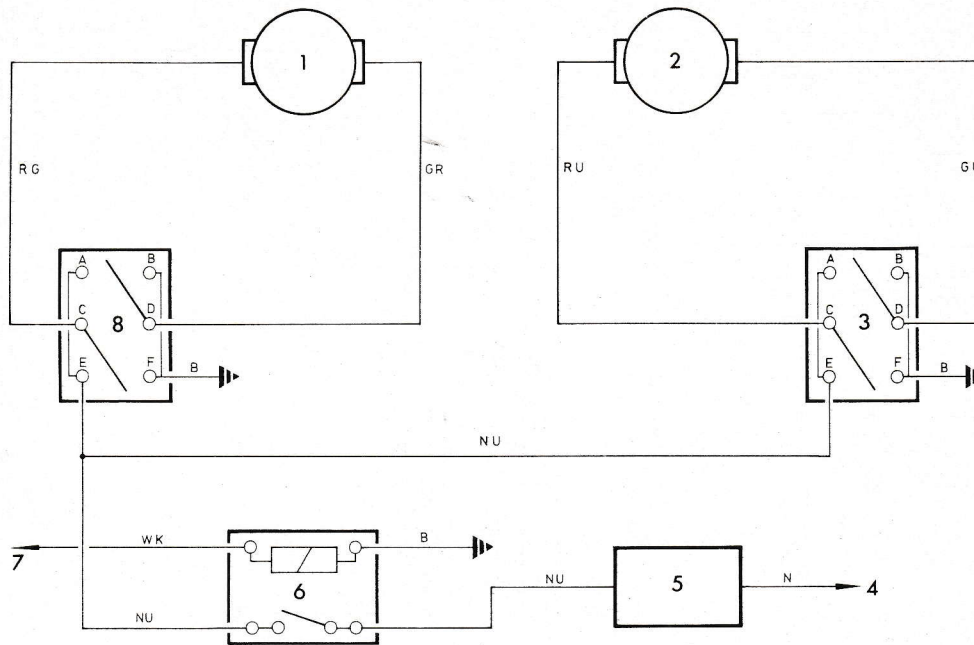


WINDOW LIFT CIRCUIT



J86-131

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 satisfactorily replace the circuit breaker.

With the ignition switched off battery voltage should be obtained at terminal C1 of the window lift relay. With the ignition switched on battery voltage should also be obtained at terminals W1 and C2 of the relay. If battery voltage is obtained at terminals W1 and C1 but a zero reading at terminal C2 replace the relay. With the ignition switched on battery voltage should be obtained at the brown and blue lead terminal of the left hand window lift switch. Operate the switch. Battery voltage should now be obtained at the red and green lead terminal when the switch is operated in one direction, or the green and red lead terminal when the switch is operated in the opposite direction. Should a zero reading be at either test point replace the switch.

The same checks apply for the right hand window lift switch. Noting the switch cable colours are red and blue for one direction. Green and blue for the reverse direction.

If the checks prove satisfactory, check the window lift motor wiring for continuity. Should the wiring prove satisfactory remove the window lift motor for bench checks.