



Fig. 20

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

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

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