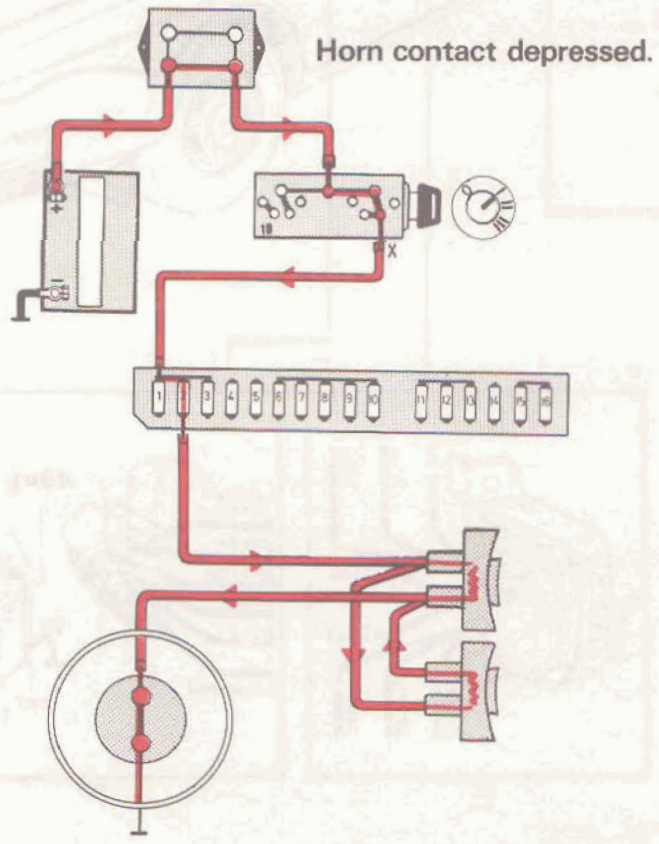
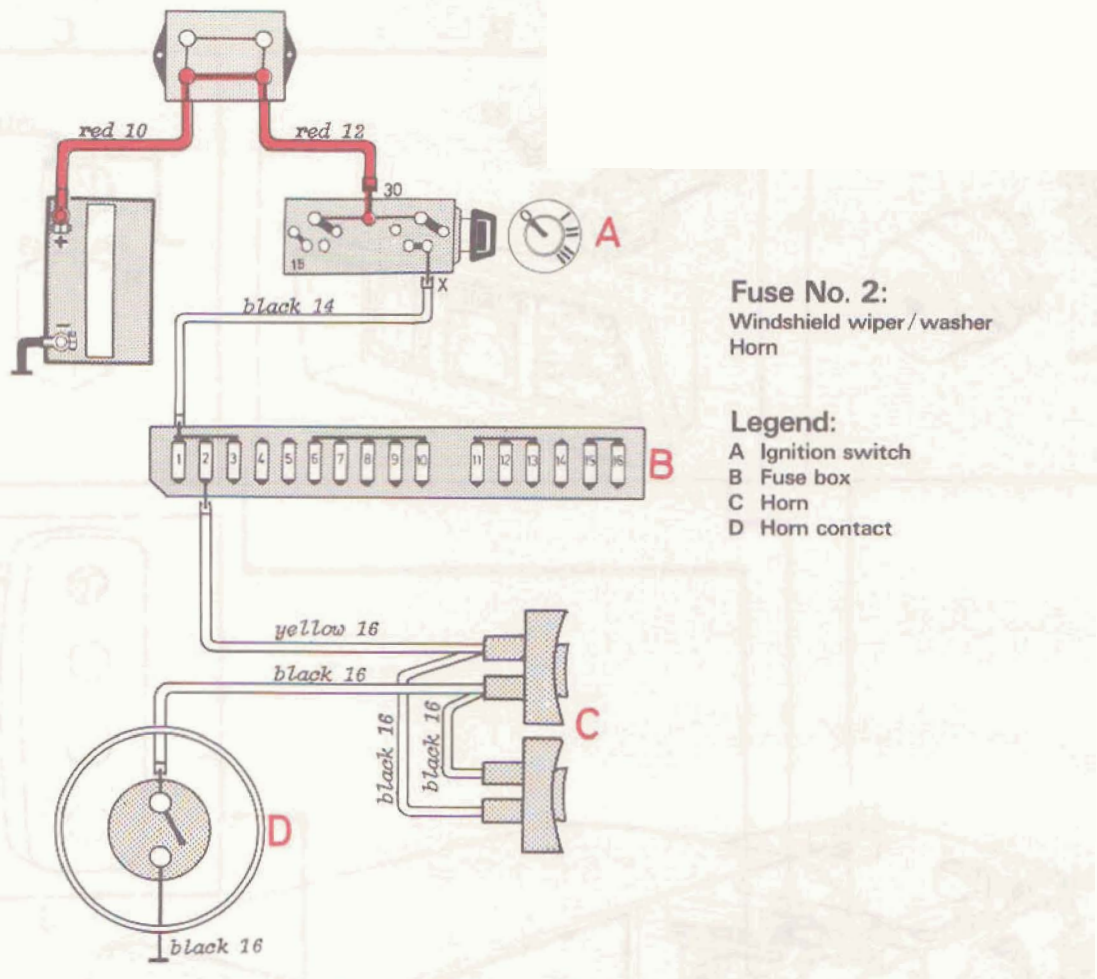
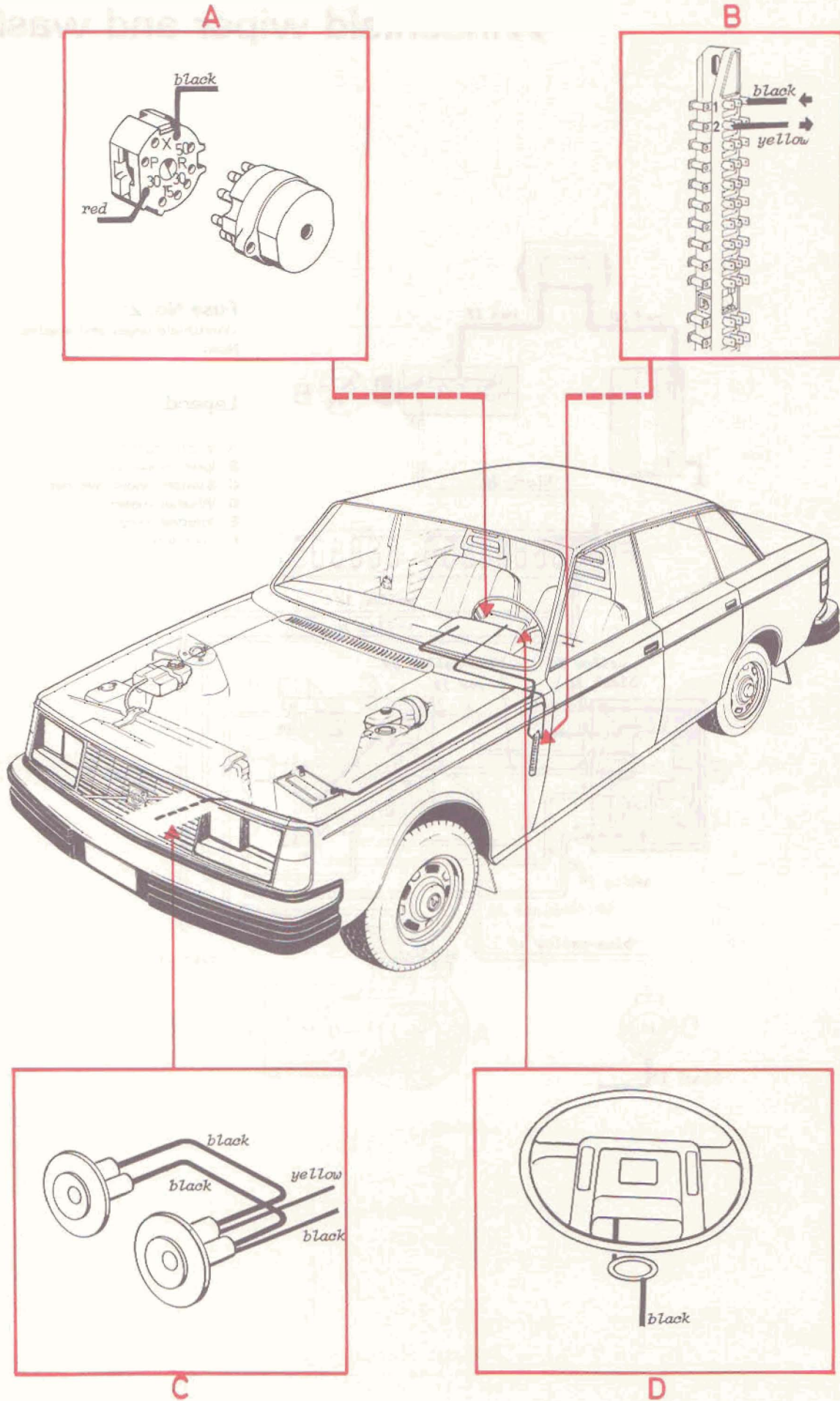
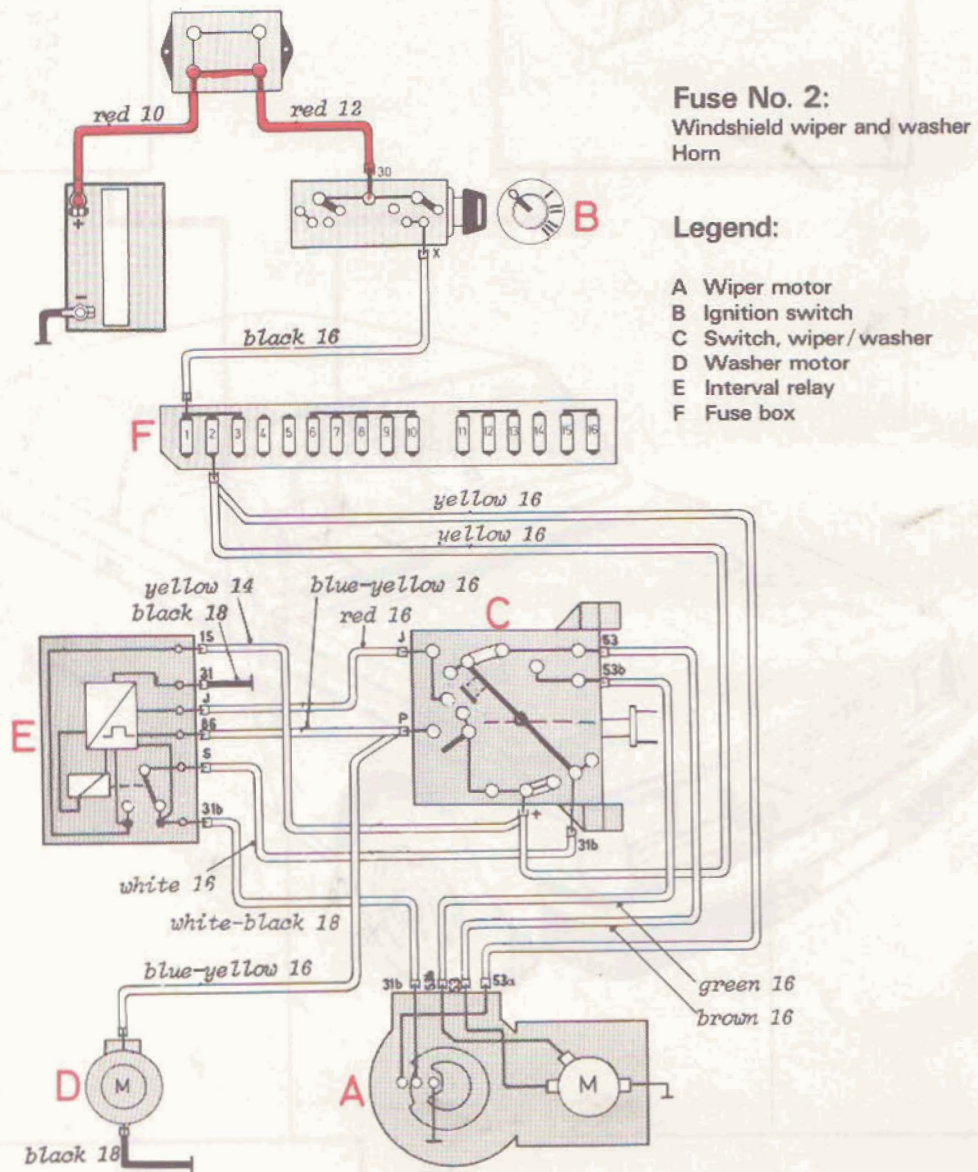


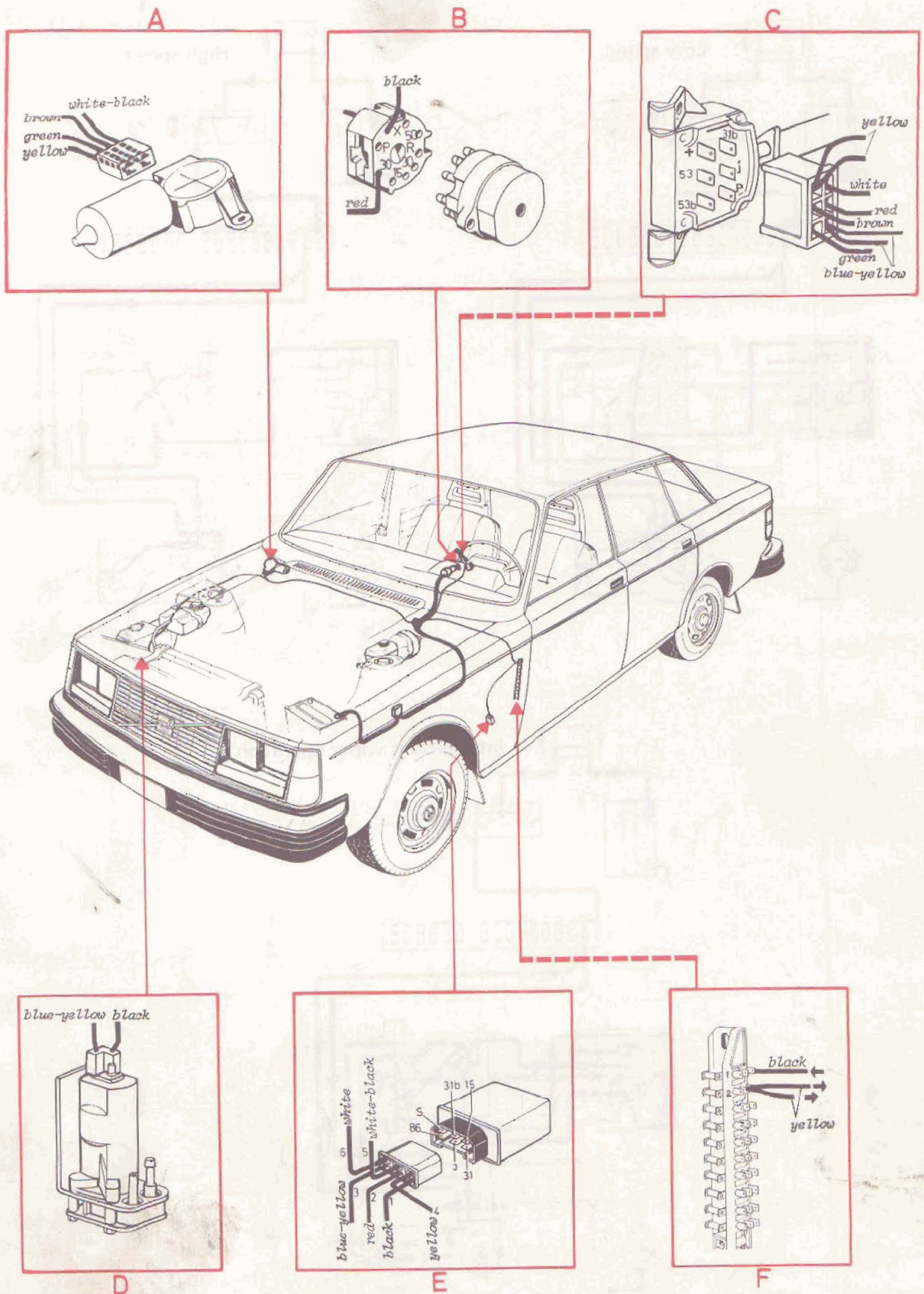
# Horn

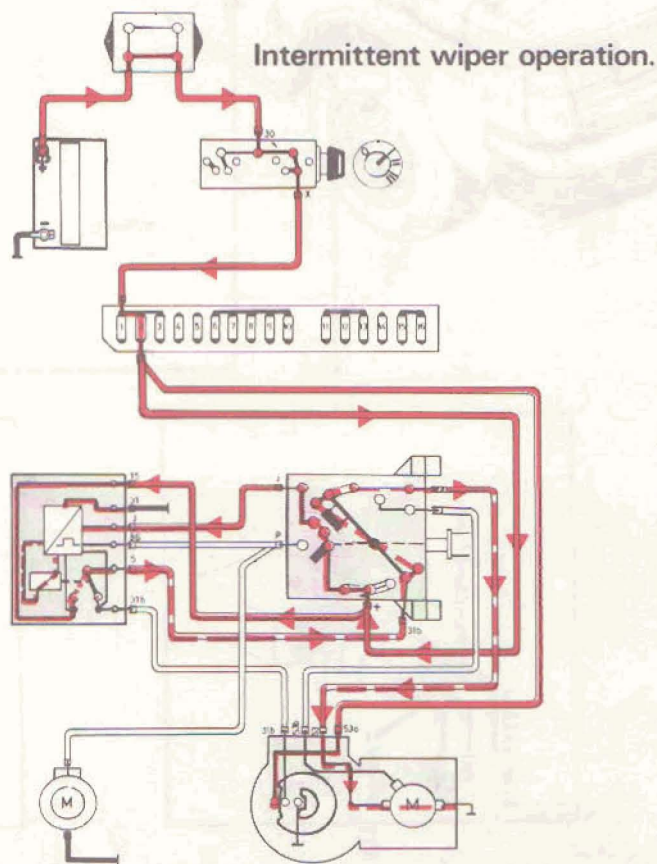
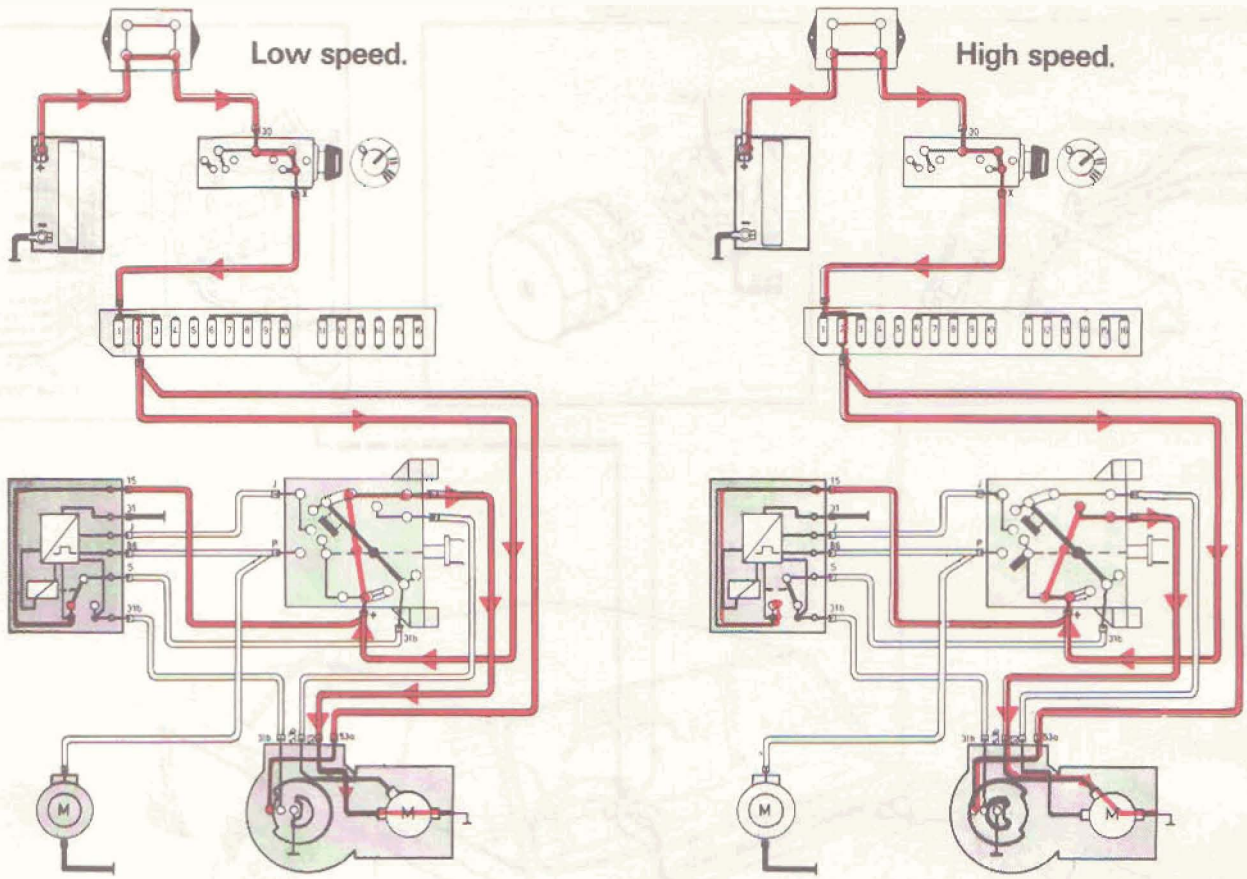


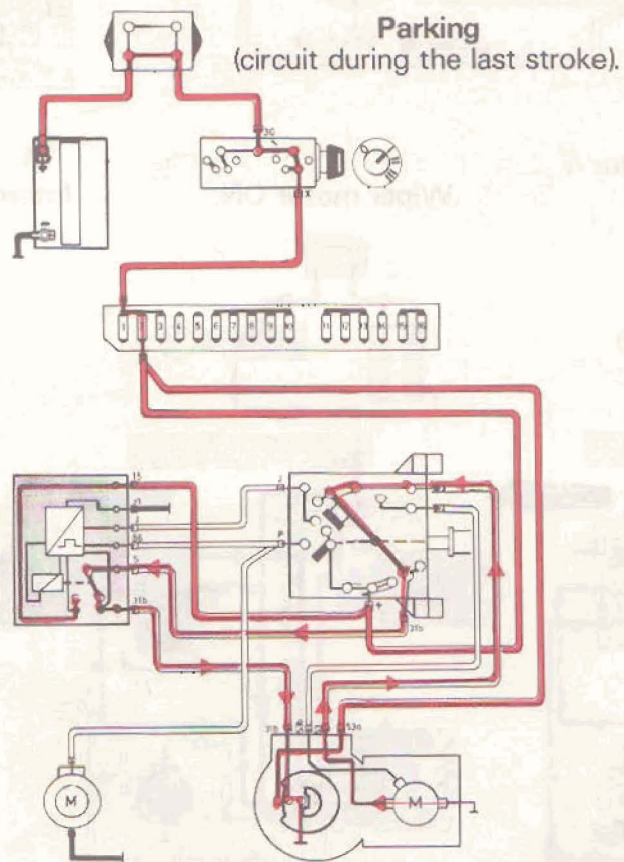
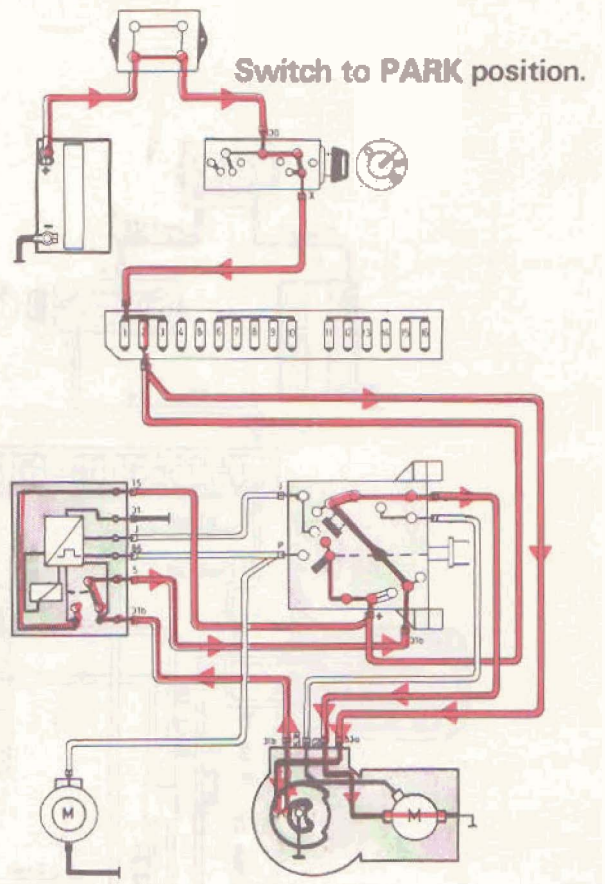
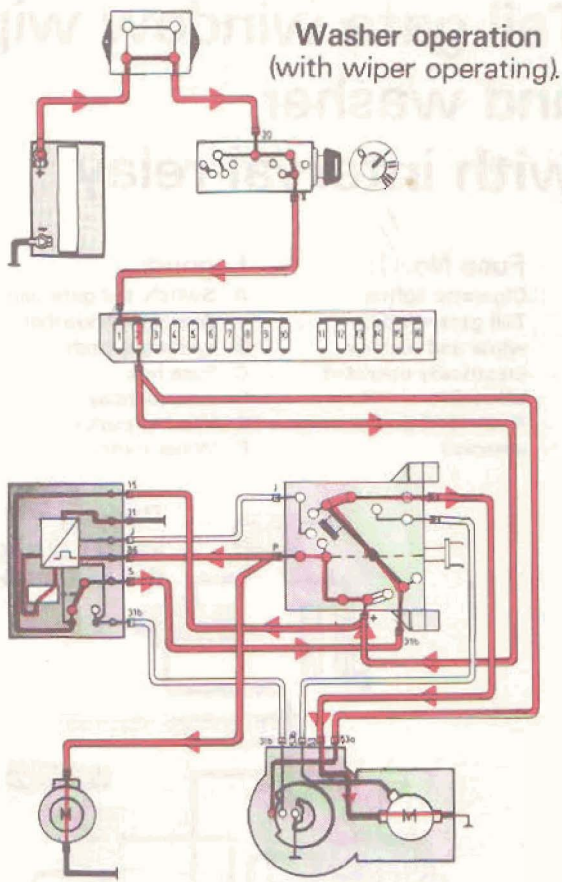


# Windshield wiper and washer

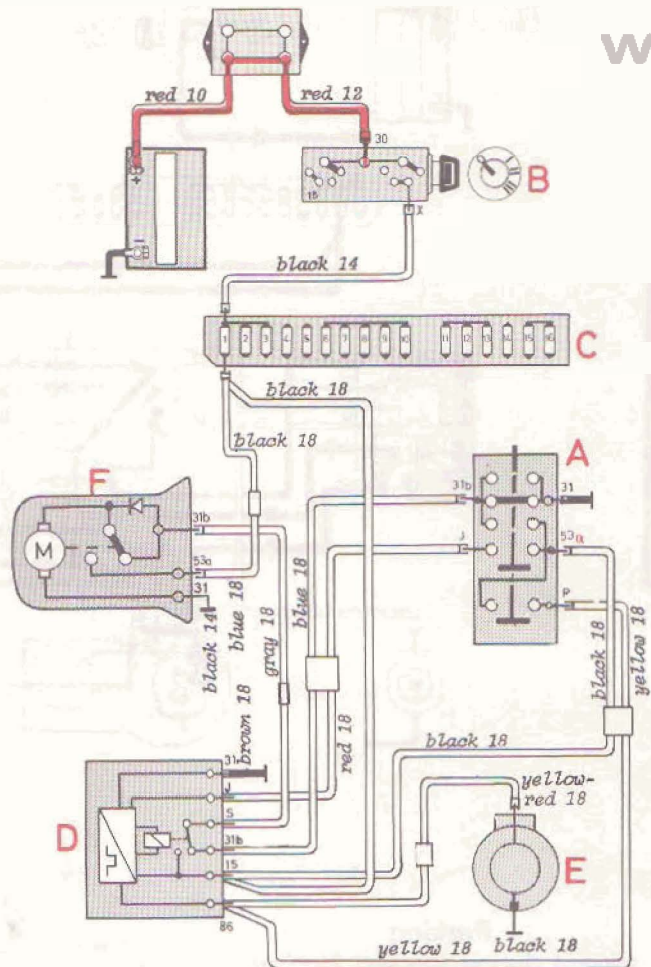






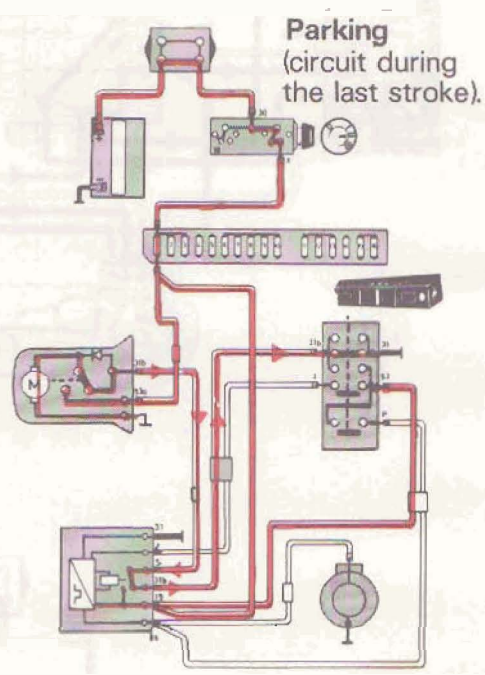


# Tail gate window wiper and washer, with interval relay



**Fuse No. 1:**  
Cigarette lighter  
Tail gate window  
wiper and washer  
Electrically operated  
side mirrors  
Radio (and power  
antenna)

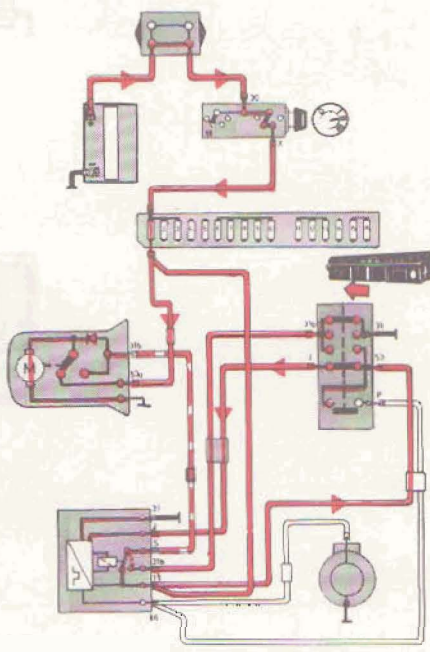
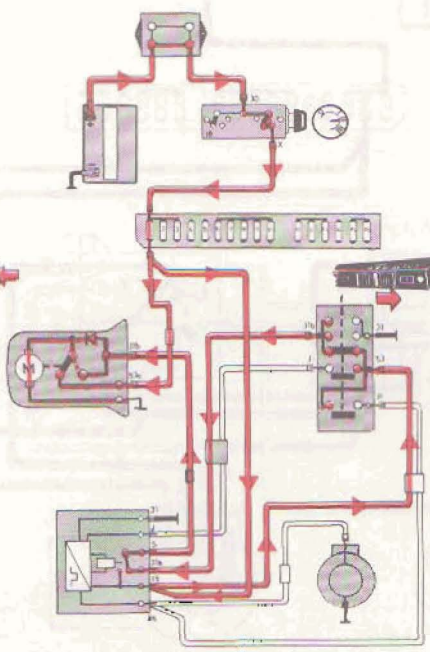
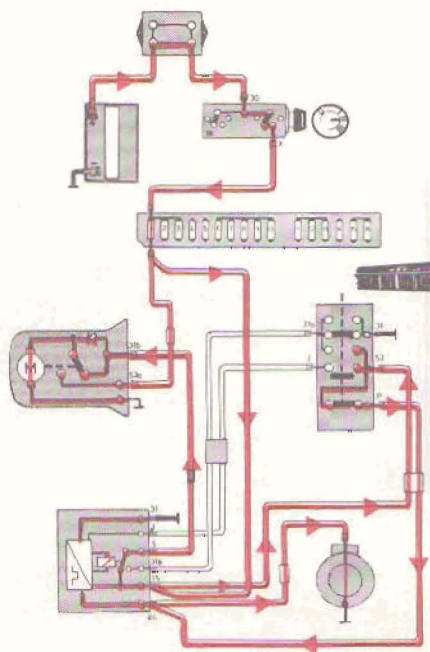
**Legend:**  
A Switch, tail gate win-  
dow wiper/washer  
B Ignition switch  
C Fuse box  
D Interval relay  
E Washer motor  
F Wiper motor



**Washer ON. Wiper motor  
makes a few strokes.**

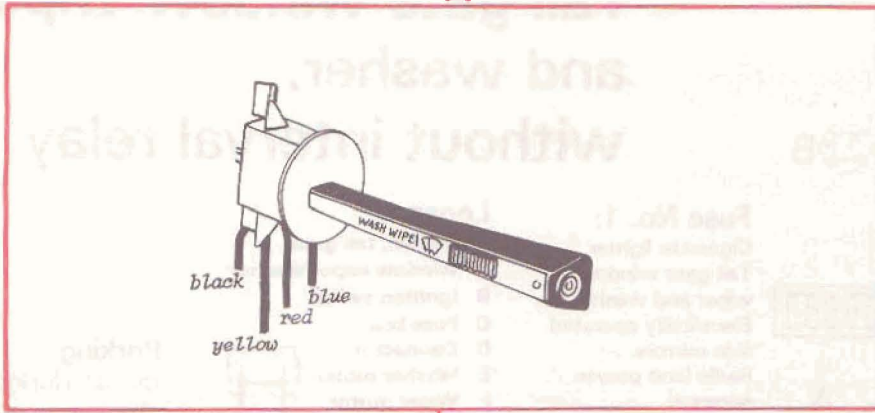
**Wiper motor ON.**

**Intermittent wiper operation.**

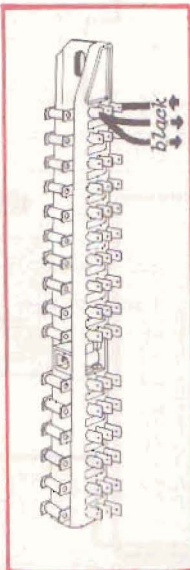
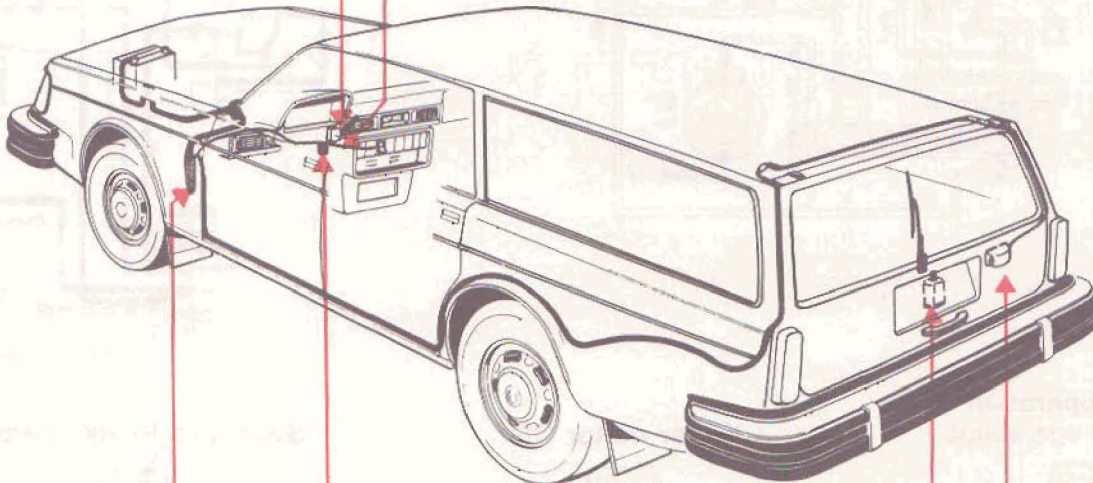
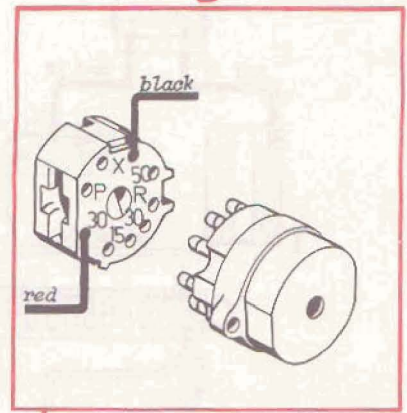


Tail gate window wiper and washer, with interval relay

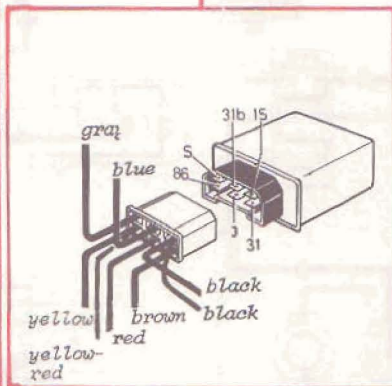
A



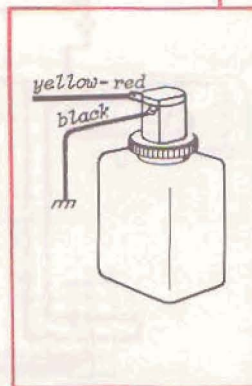
B



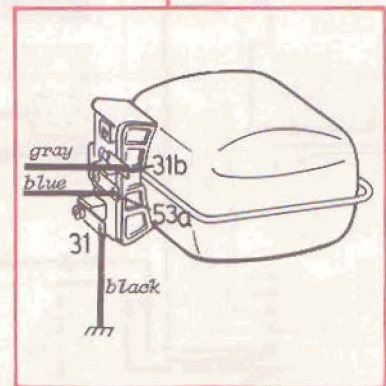
C



D

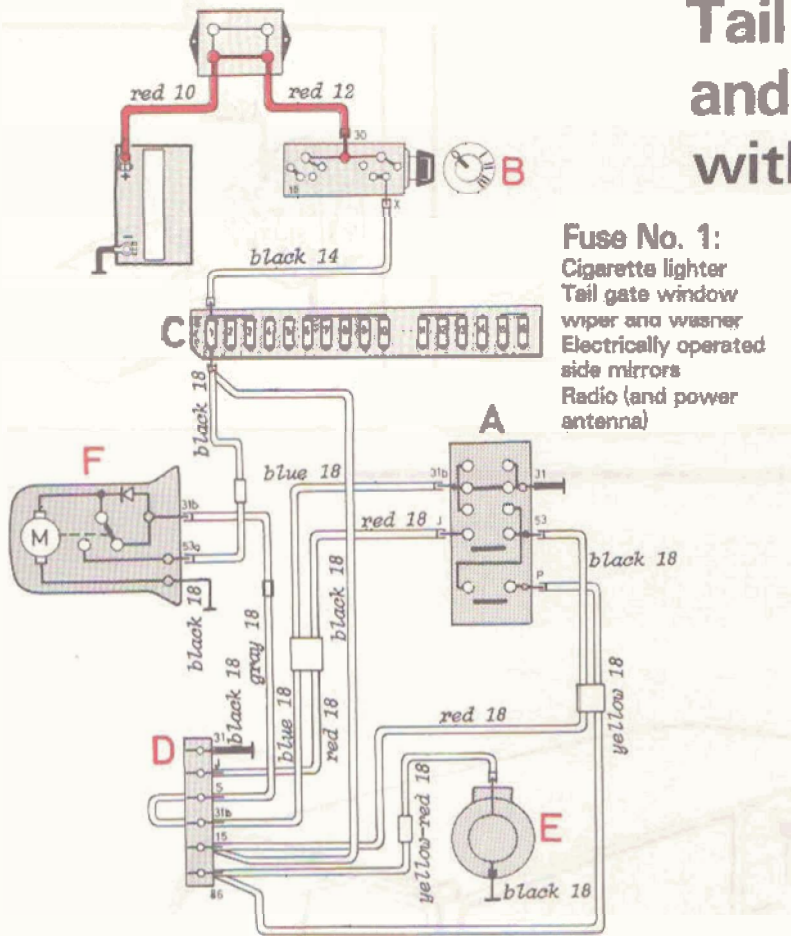


E



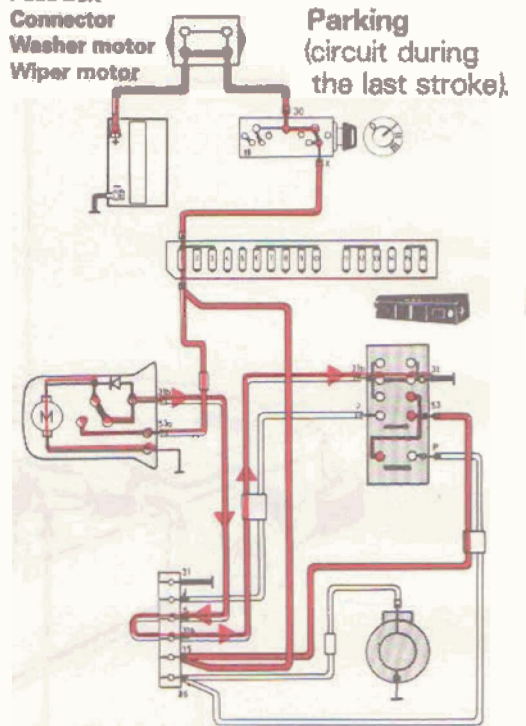
F

# Tail gate window wiper and washer, without interval relay



**Fuse No. 1:**  
Cigarette lighter  
Tail gate window  
wiper and washer  
Electrically operated  
side mirrors  
Radio (and power  
antenna)

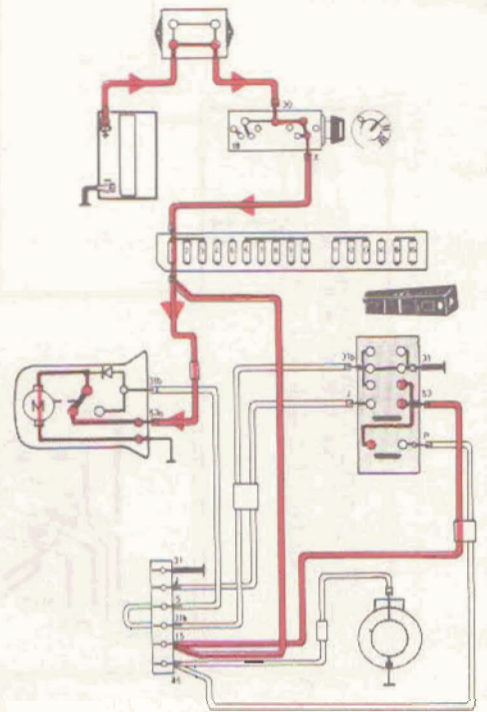
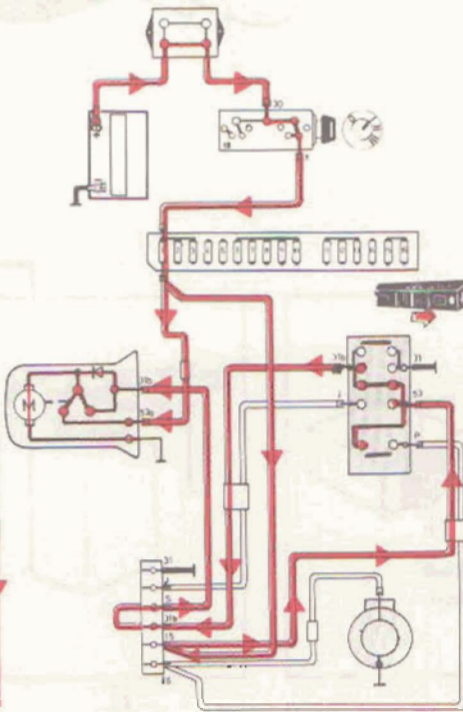
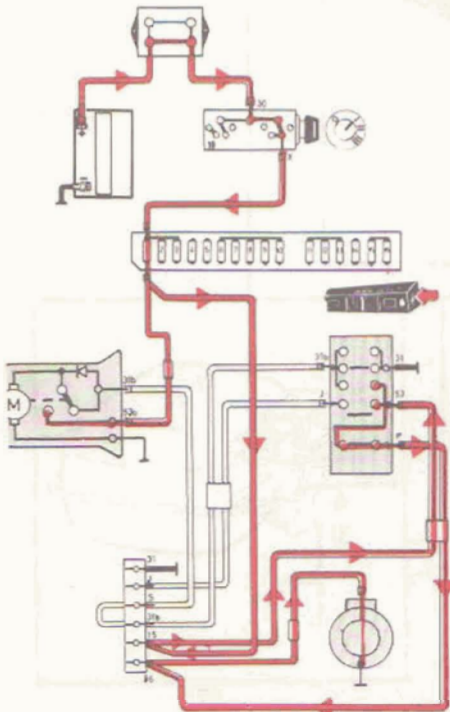
**Legend:**  
A Switch, tail gate  
window wiper/washer  
B Ignition switch  
C Fuse box  
D Connector  
E Washer motor  
F Wiper motor

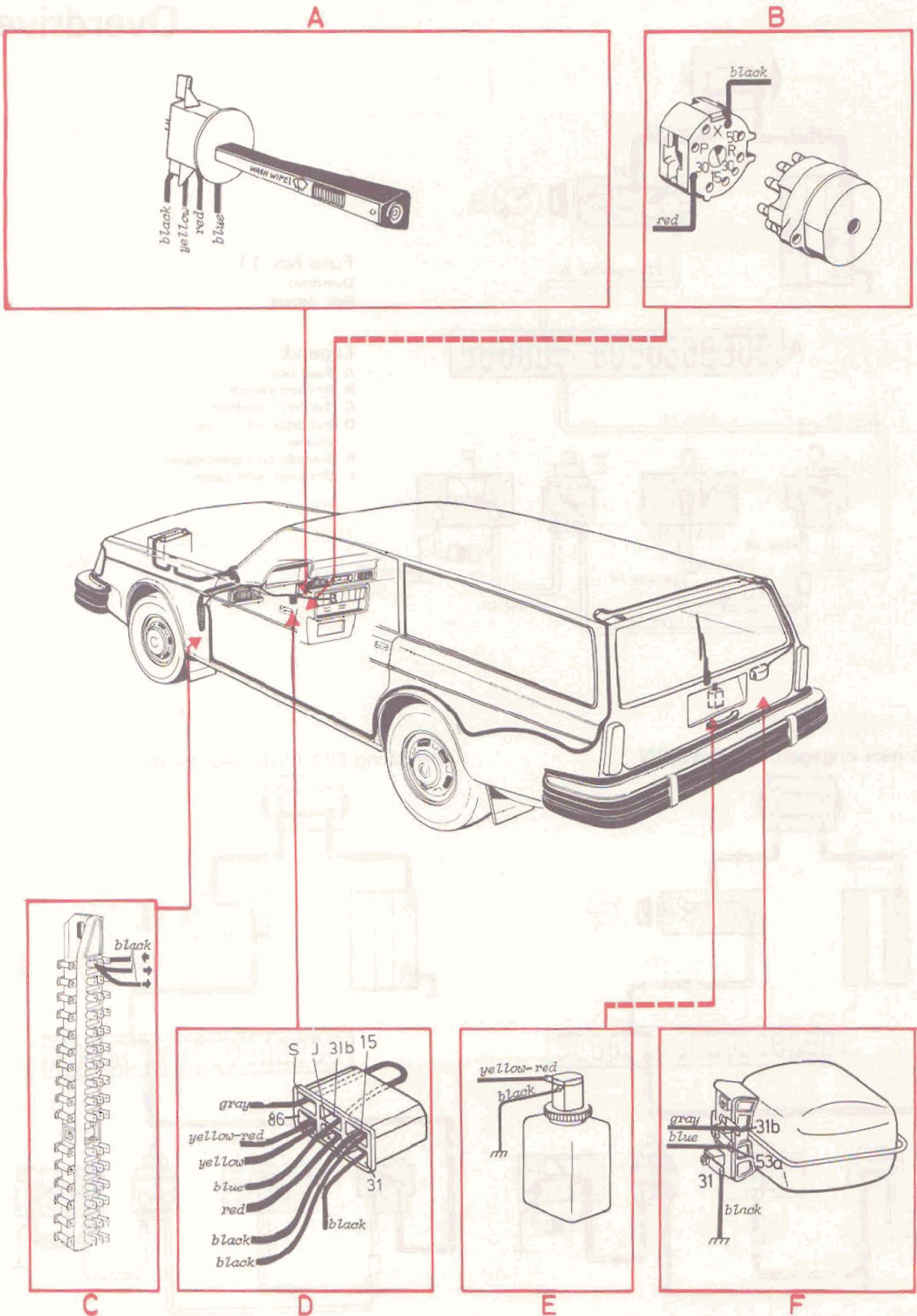


**Washer operation  
(with wiper operating).**

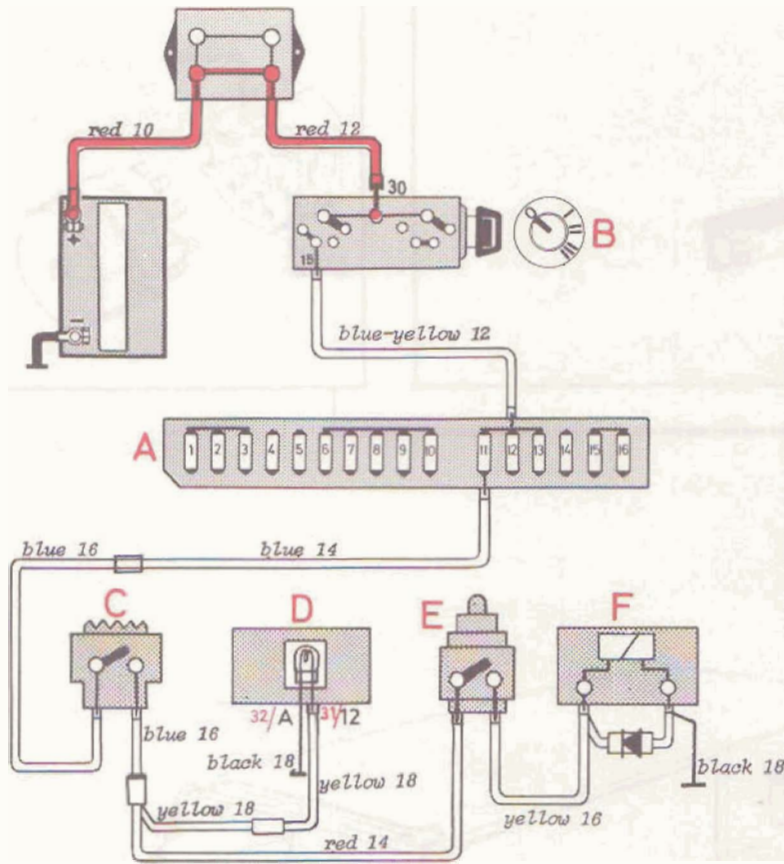
**Wiper motor ON.**

**Switch to PARK position.**





# Overdrive

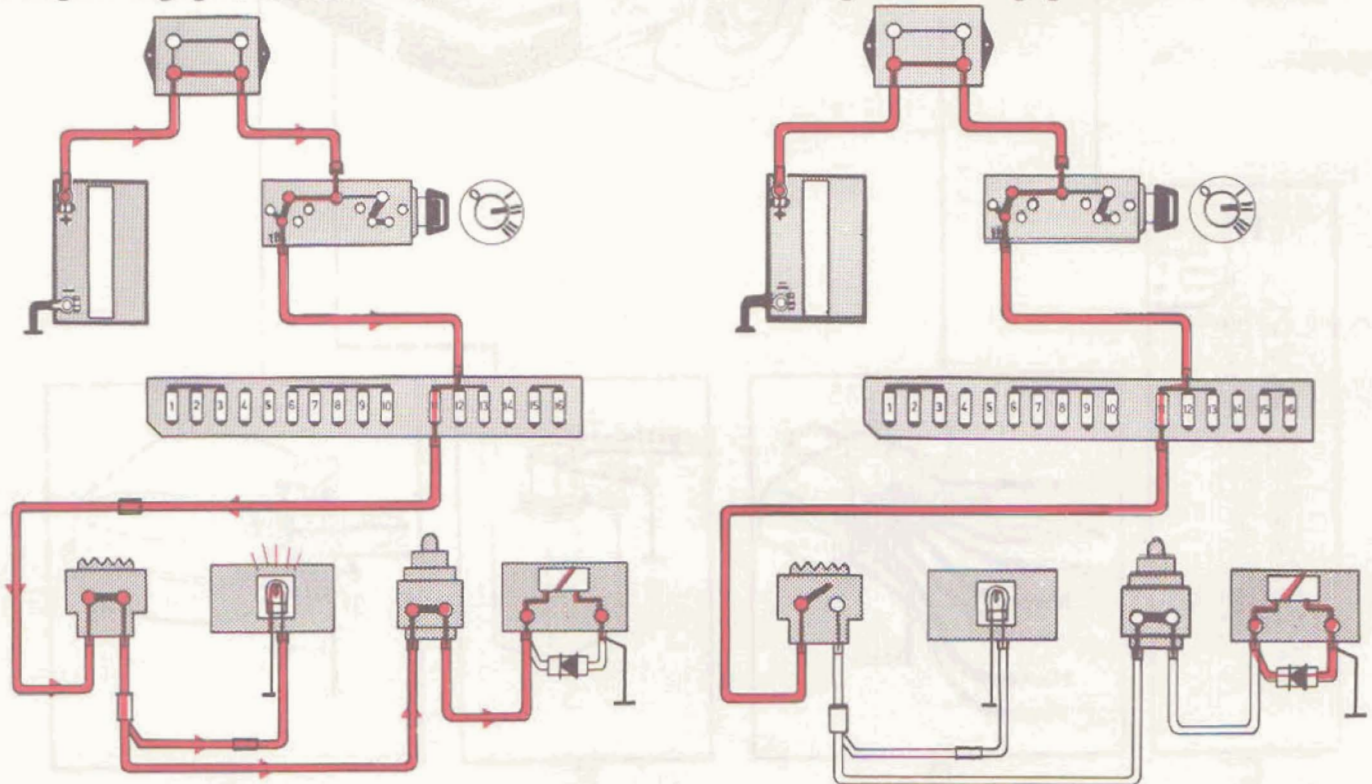


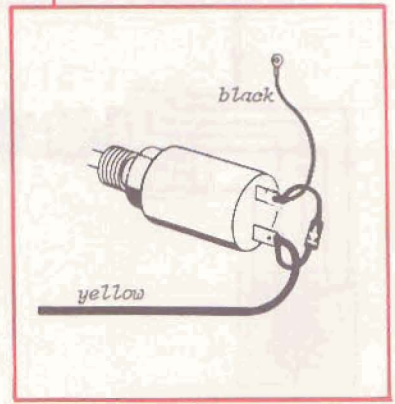
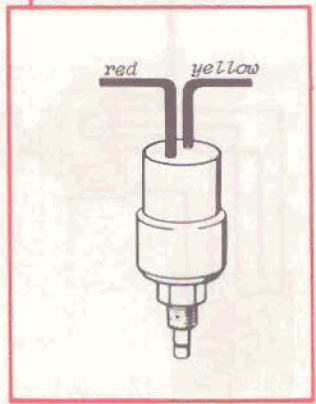
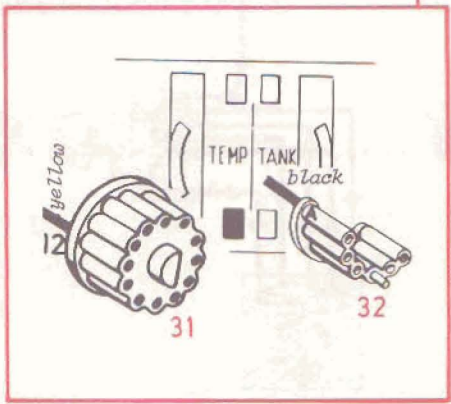
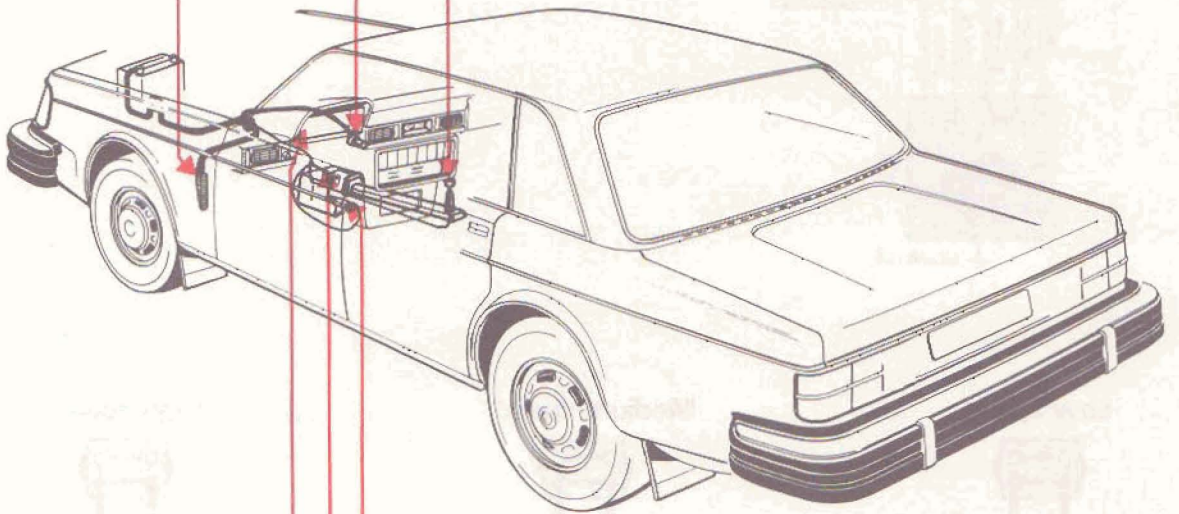
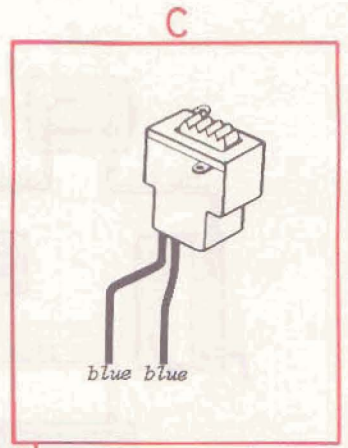
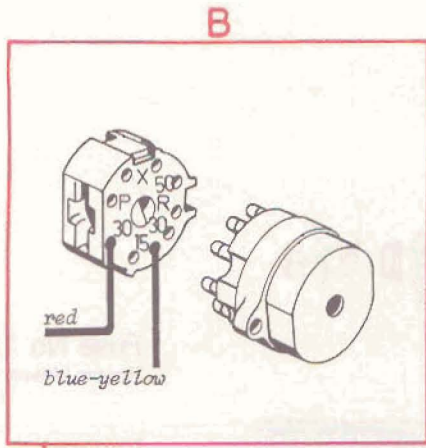
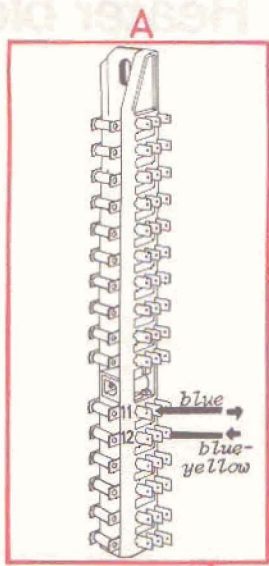
**Fuse No. 11:**  
Overdrive  
Rear demist

- Legend:**
- A Fuse box
  - B Ignition switch
  - C Switch, overdrive
  - D Indicator light in instrument cluster
  - E Switch, on transmission
  - F Solenoid with diode

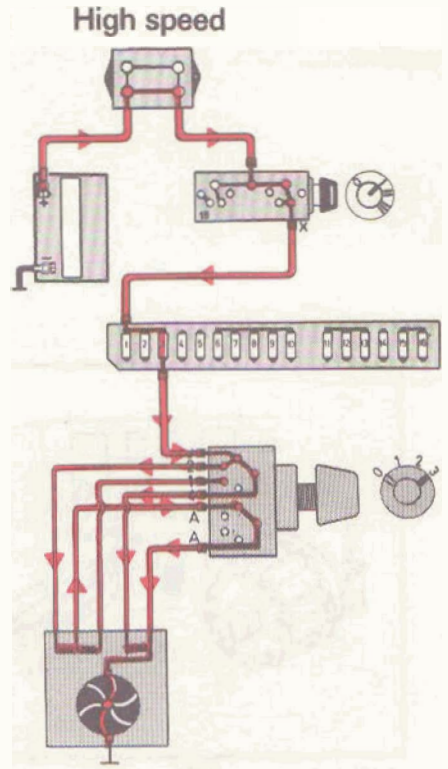
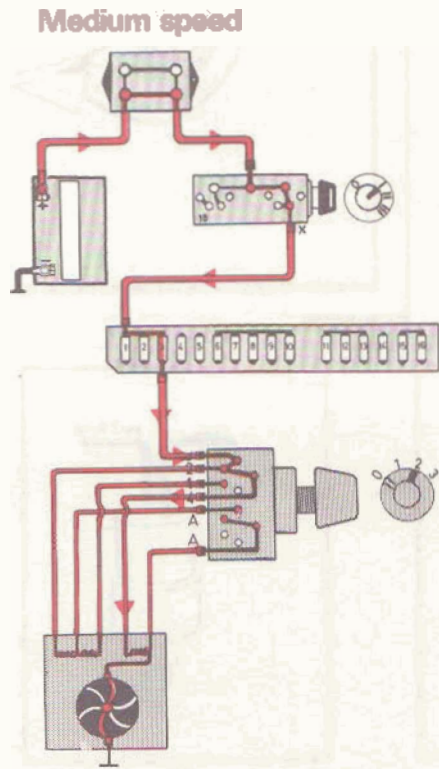
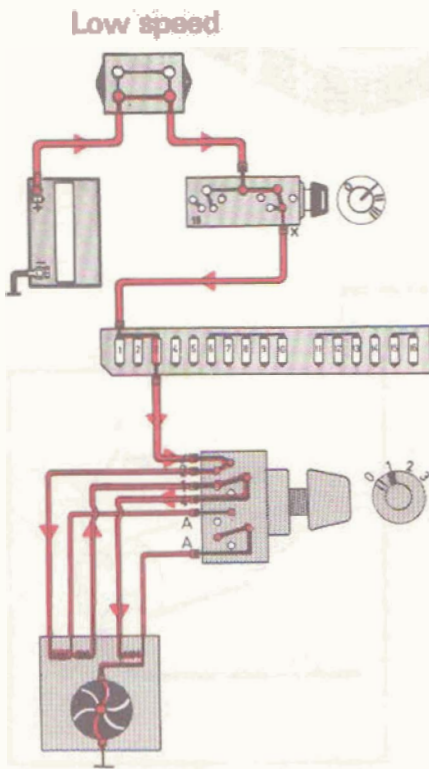
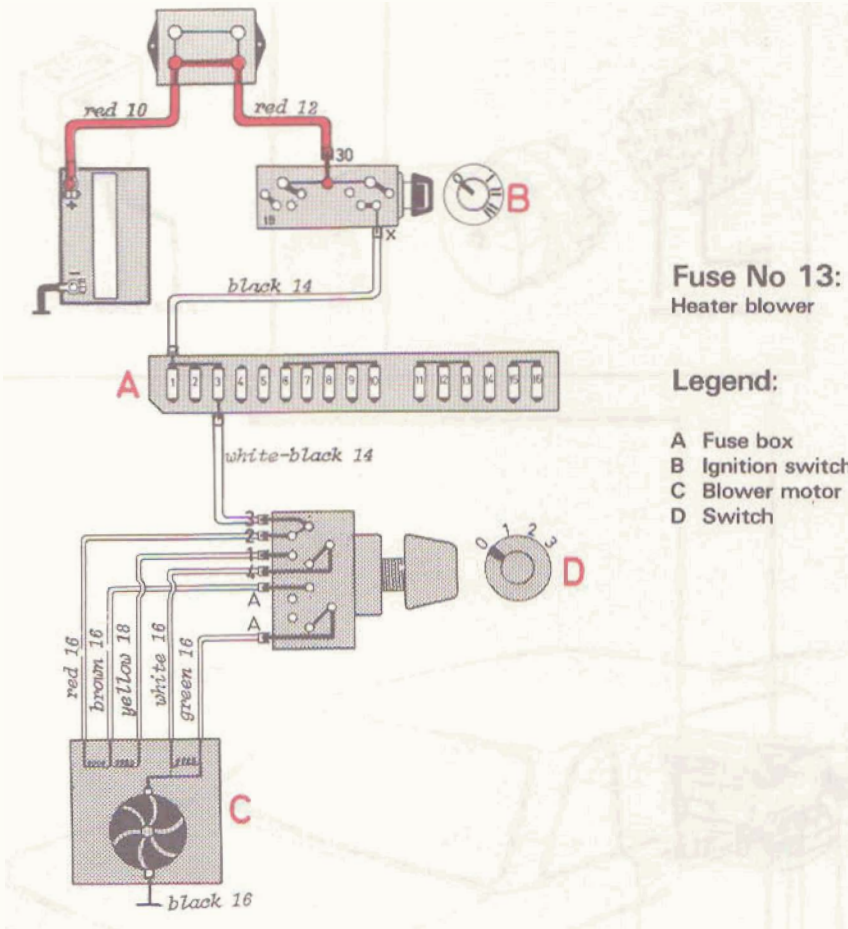
4th gear engaged, overdrive ON

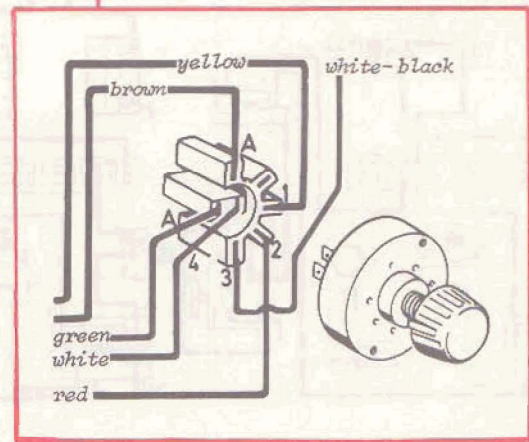
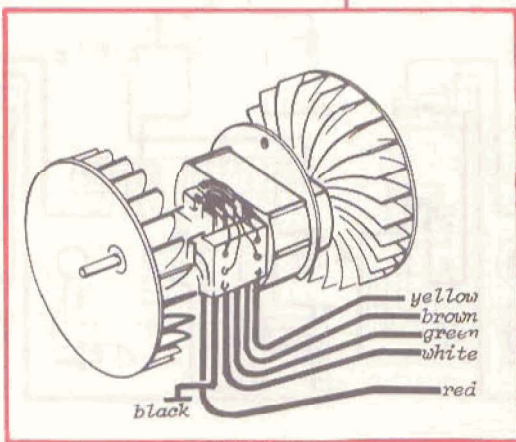
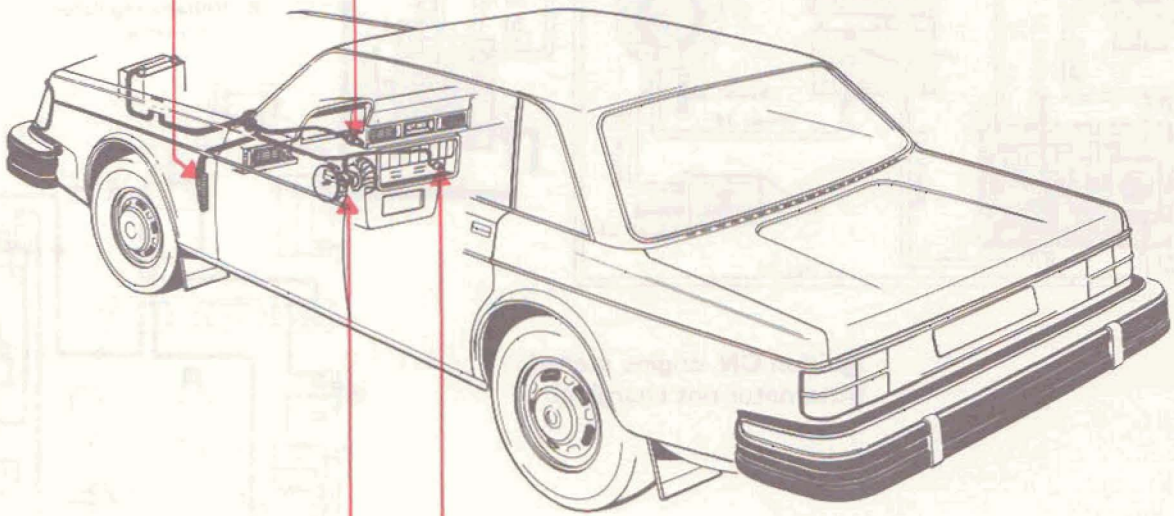
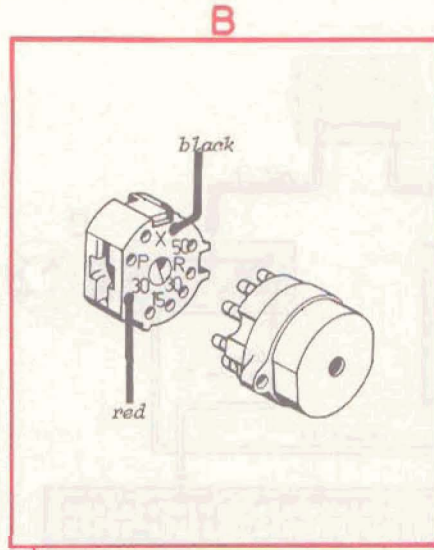
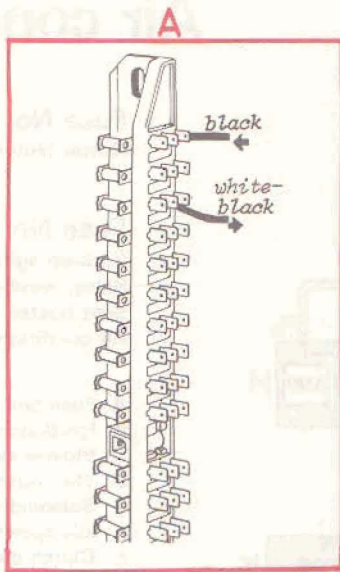
Switching OFF (disengagement)



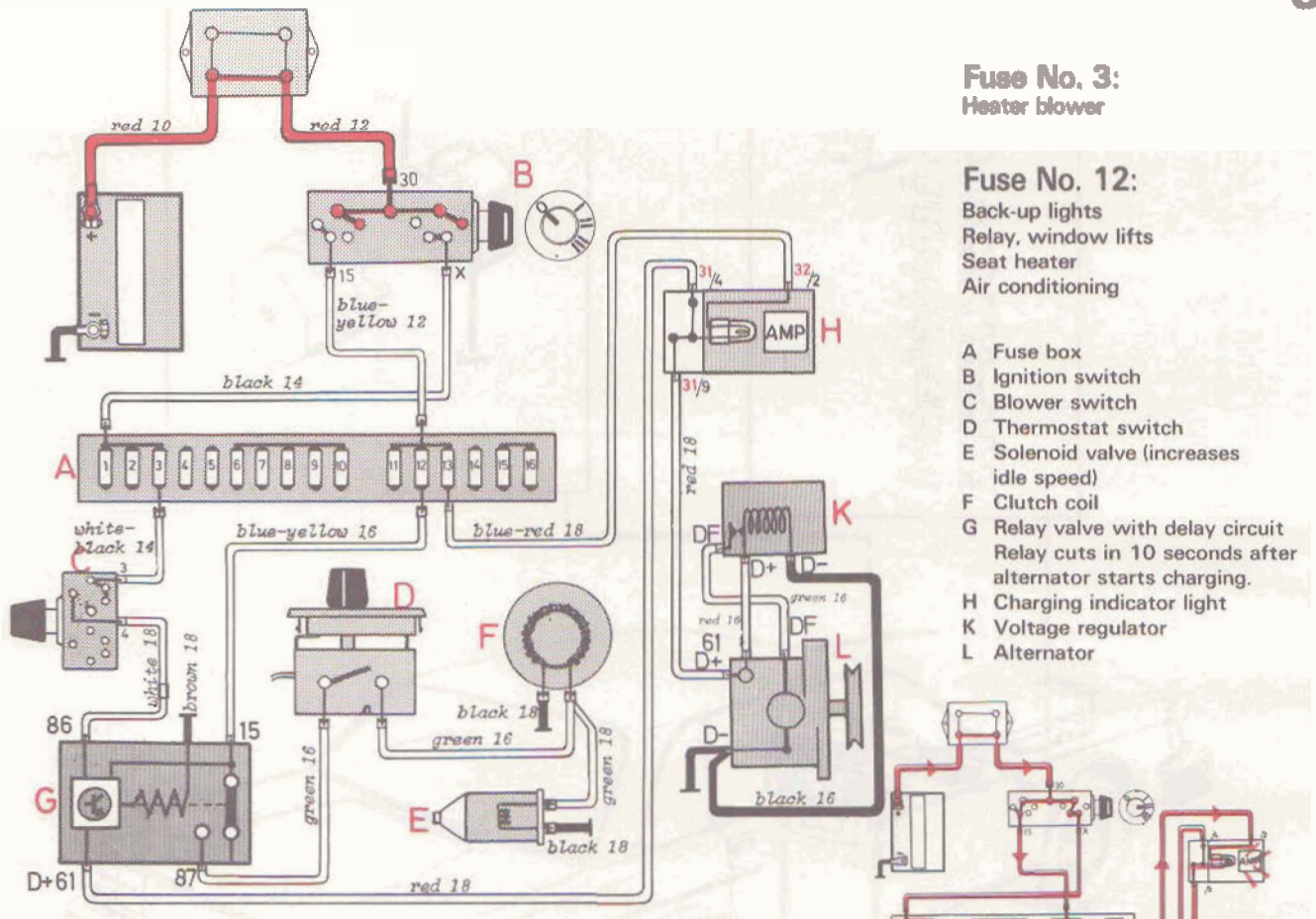


# Heater blower





# Air conditioning

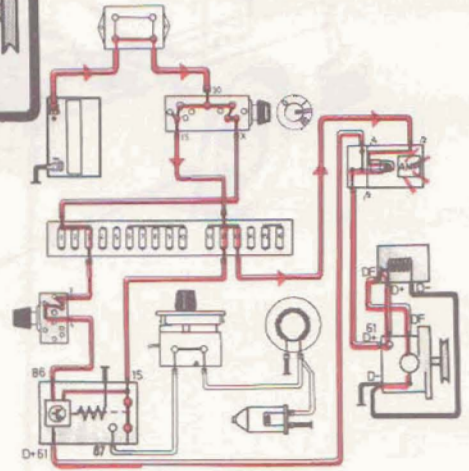


**Fuse No. 3:**  
Heater blower

**Fuse No. 12:**  
Back-up lights  
Relay, window lifts  
Seat heater  
Air conditioning

- A Fuse box
- B Ignition switch
- C Blower switch
- D Thermostat switch
- E Solenoid valve (increases idle speed)
- F Clutch coil
- G Relay valve with delay circuit  
Relay cuts in 10 seconds after alternator starts charging.
- H Charging indicator light
- K Voltage regulator
- L Alternator

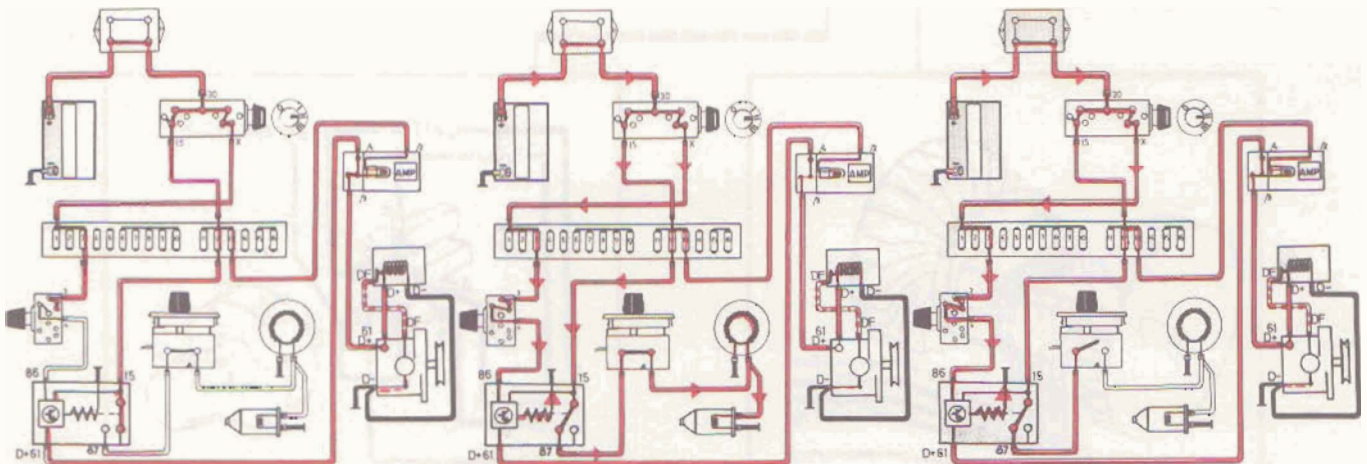
Ignition ON, engine stalled.  
(Alternator not charging).

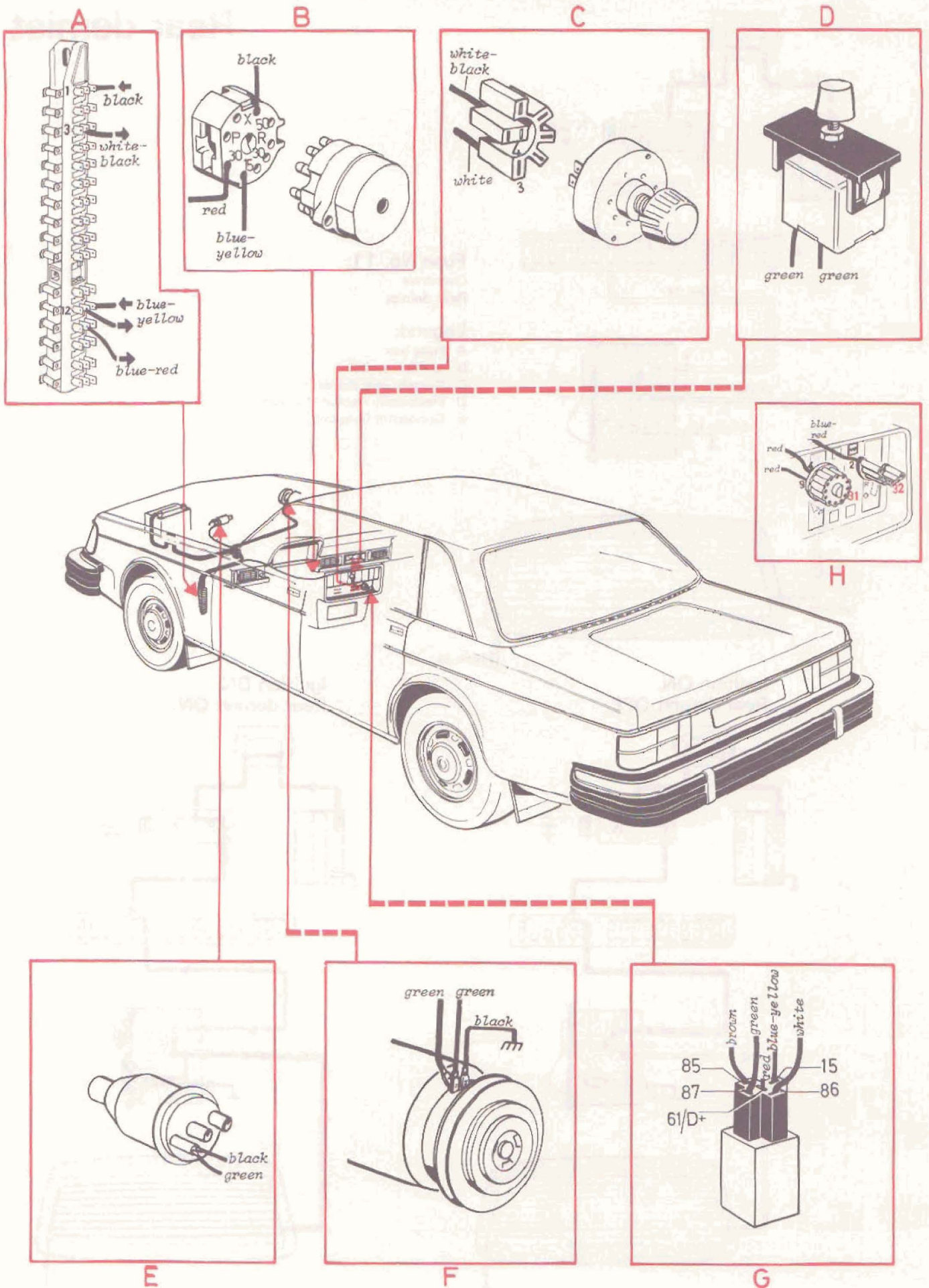


Ignition ON.  
Thermostat switch ON.  
Blower switch OFF.

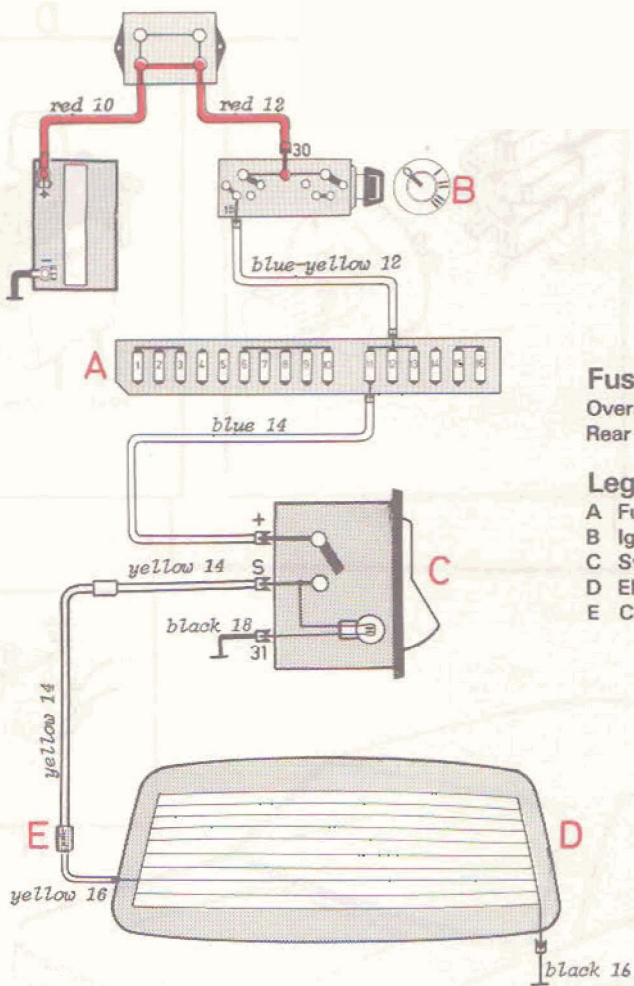
Ignition ON.  
Thermostat switch ON.  
Blower switch ON.

Ignition ON.  
Thermostat switch OFF.  
Blower switch ON.





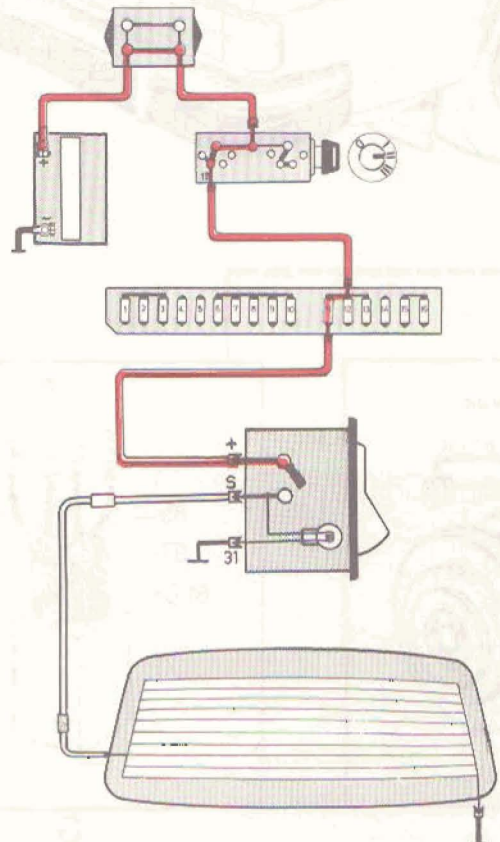
# Rear demist



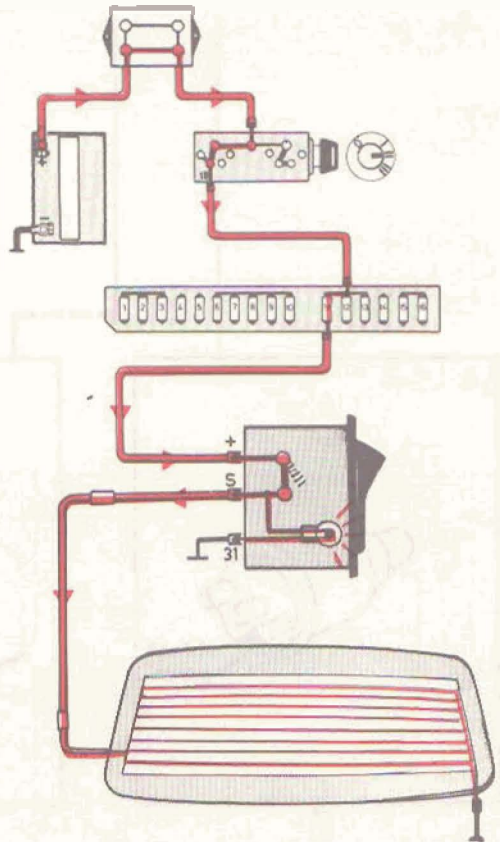
**Fuse No. 11:**  
Overdrive  
Rear demist

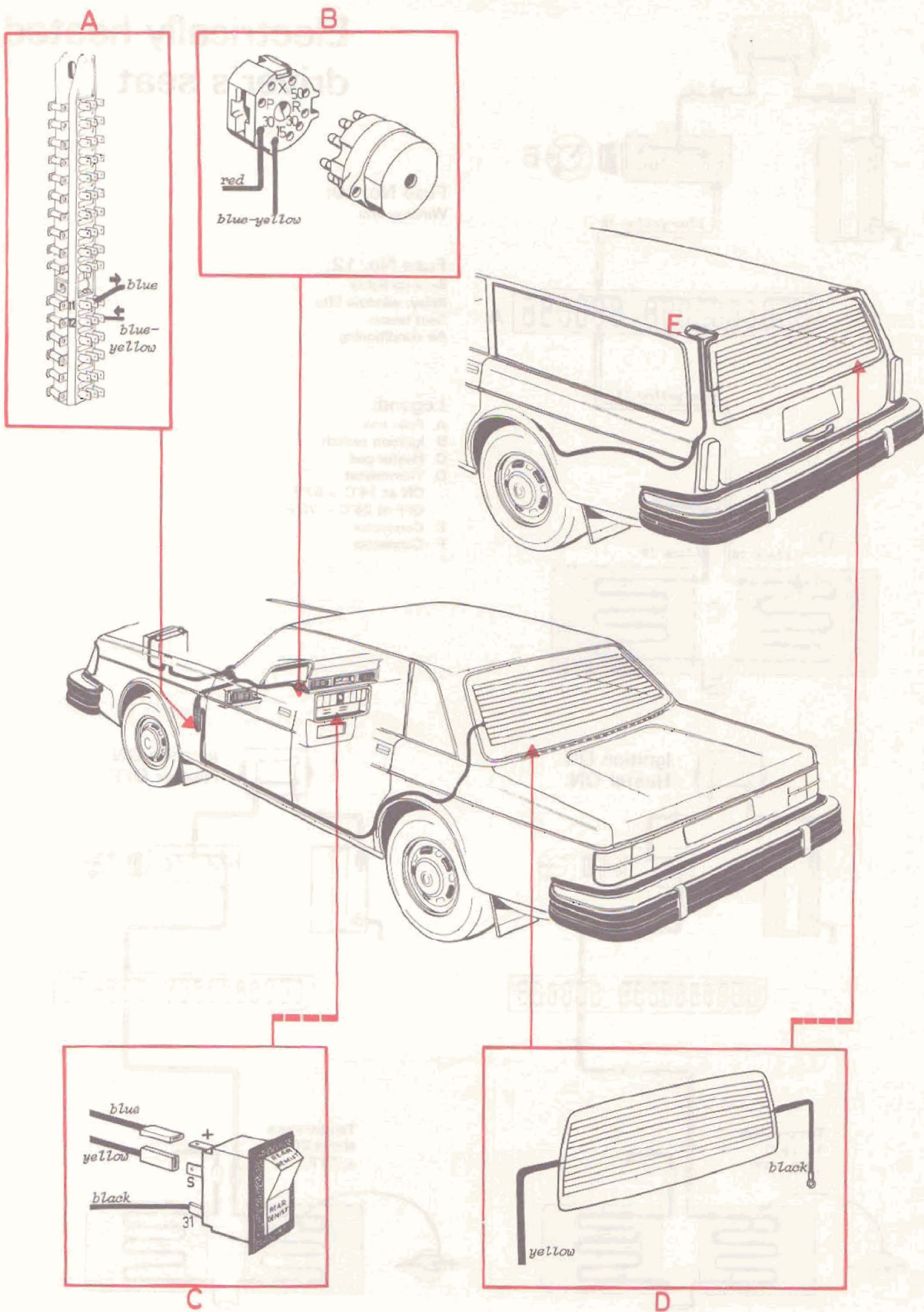
- Legend:**  
A Fuse box  
B Ignition switch  
C Switch, rear demist  
D Electrically heated rear window  
E Connector (wagon)

**Ignition ON.  
Rear demist OFF.**

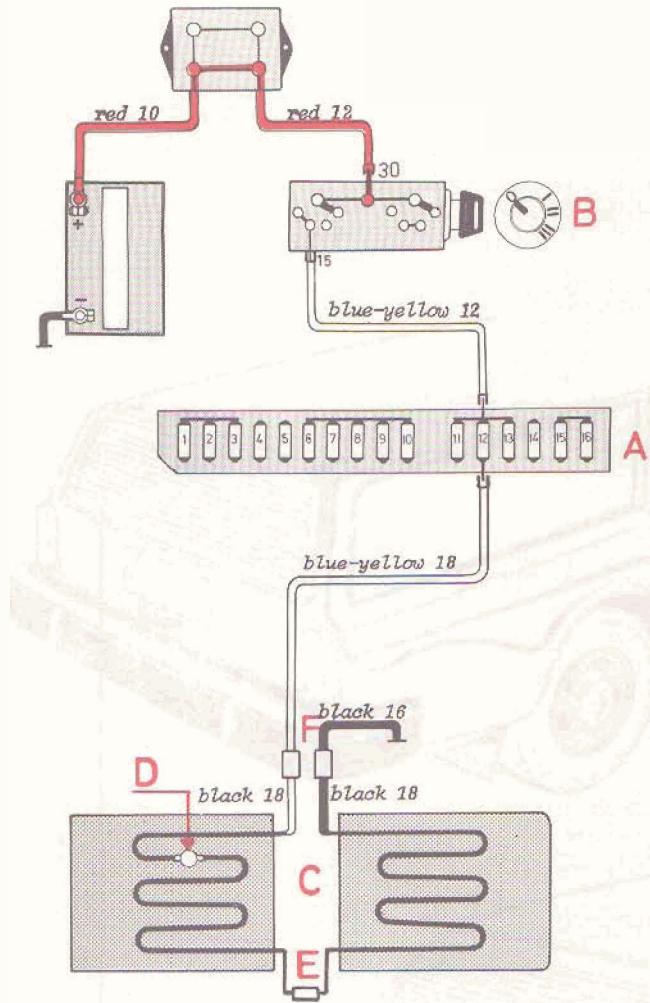


**Ignition ON.  
Rear demist ON.**





# Electrically heated driver's seat

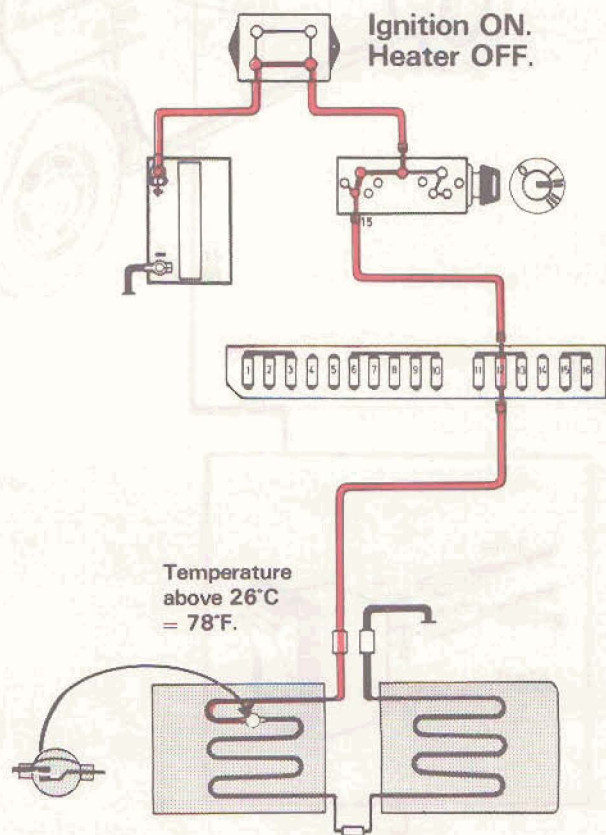
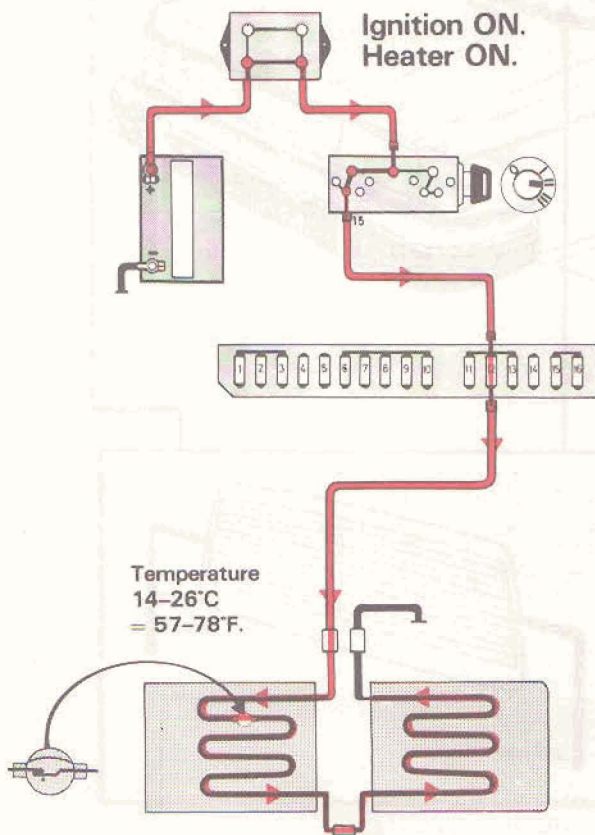


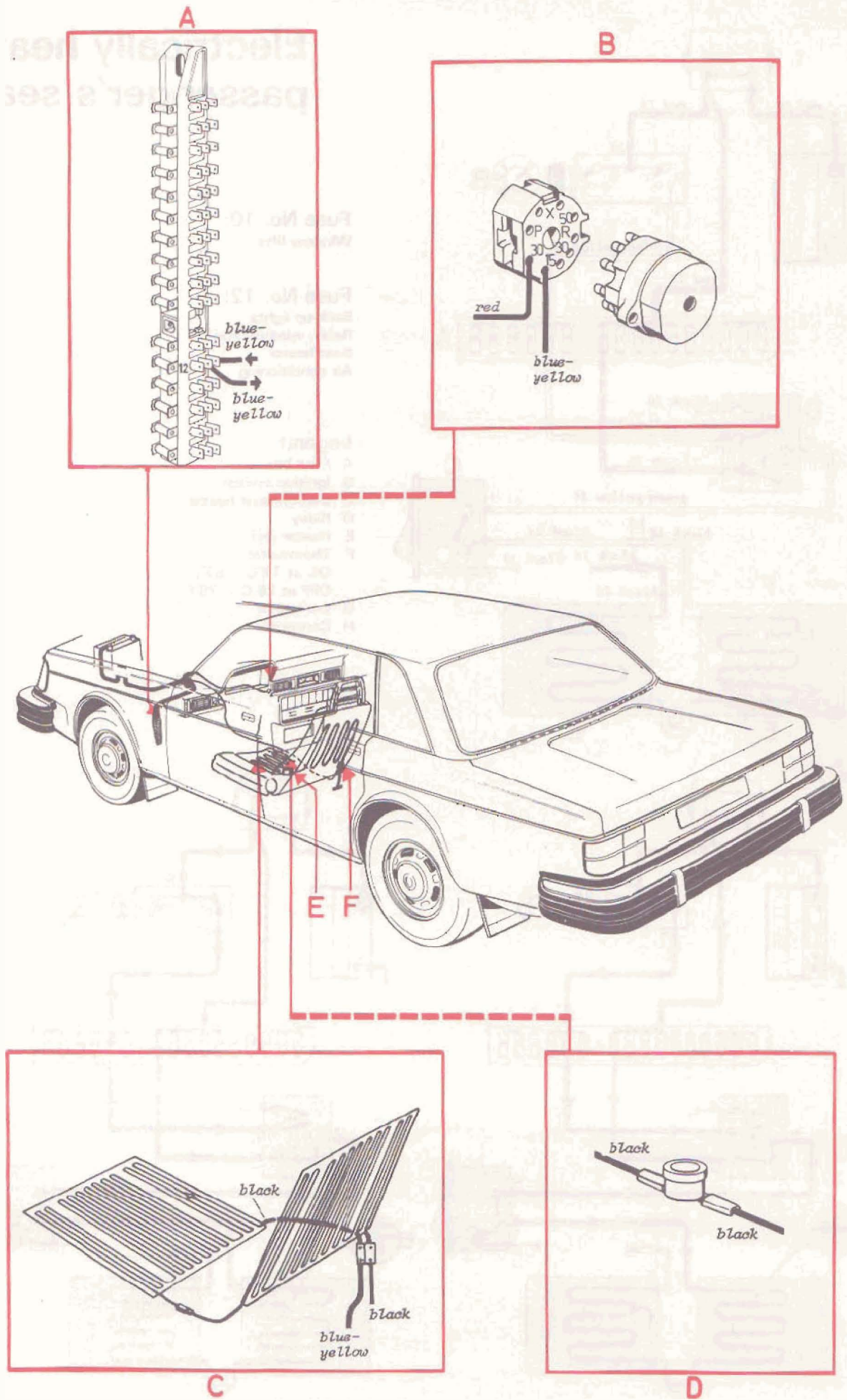
**Fuse No. 10:**  
Window lifts

**Fuse No. 12:**  
Back-up lights  
Relay, window lifts  
Seat heater  
Air conditioning

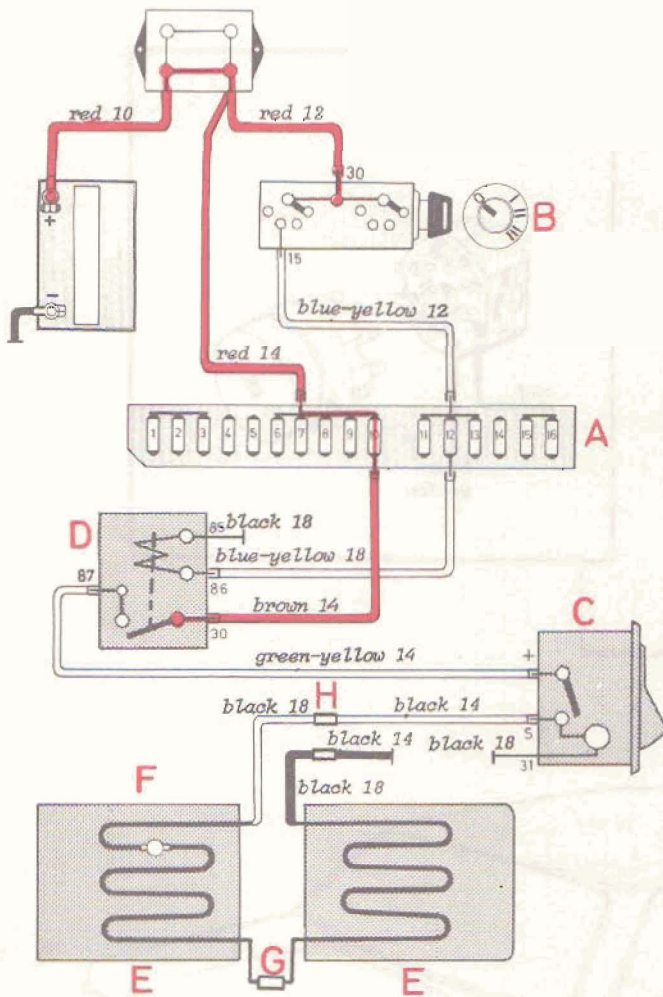
**Legend:**

- A Fuse box
- B Ignition switch
- C Heater pad
- D Thermostat  
ON at 14°C = 57°F  
OFF at 26°C = 78°F
- E Connector
- F Connector





# Electrically heated passenger's seat

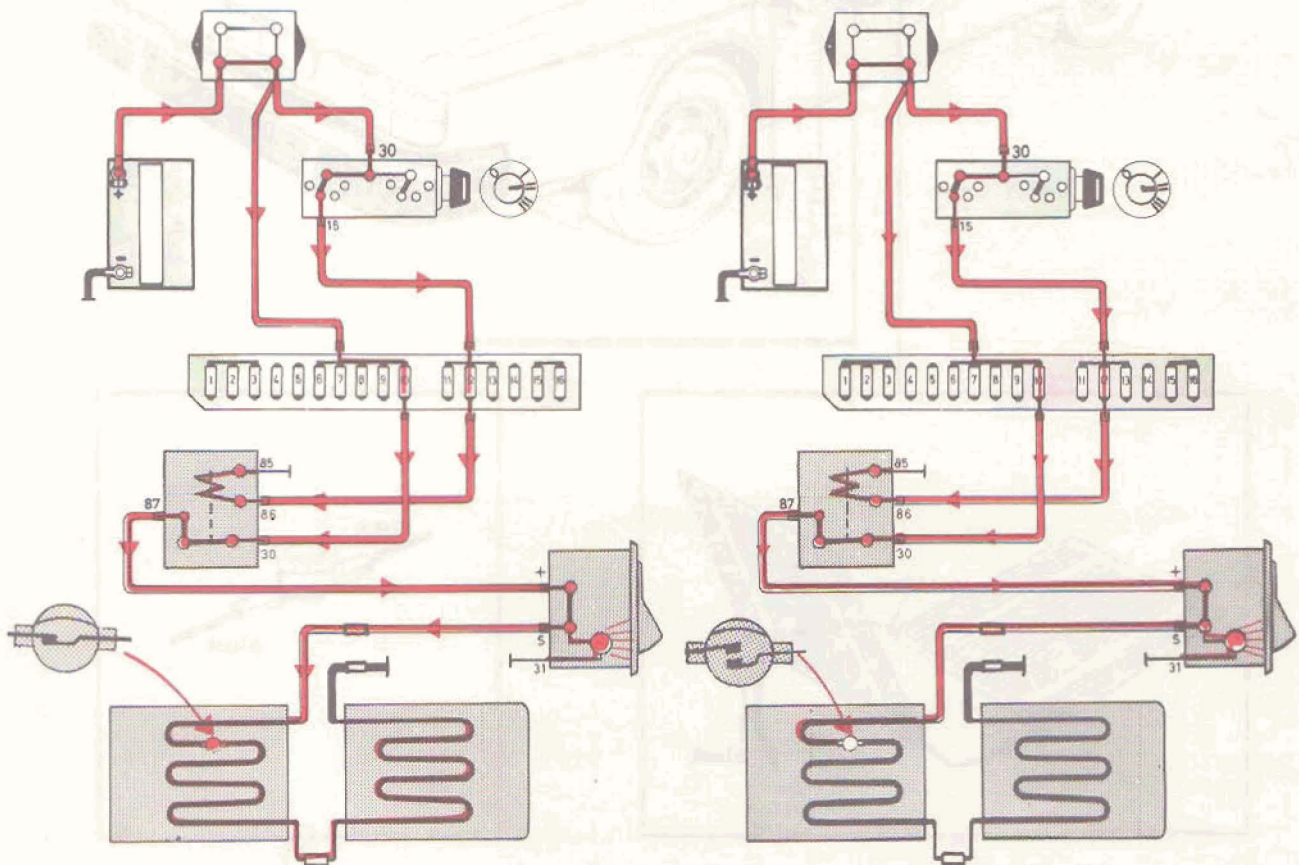


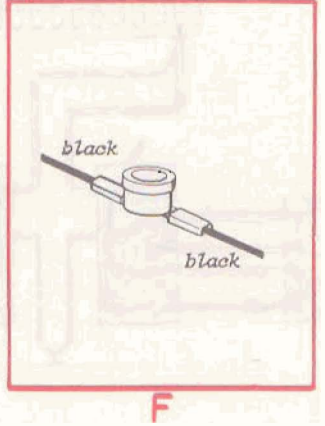
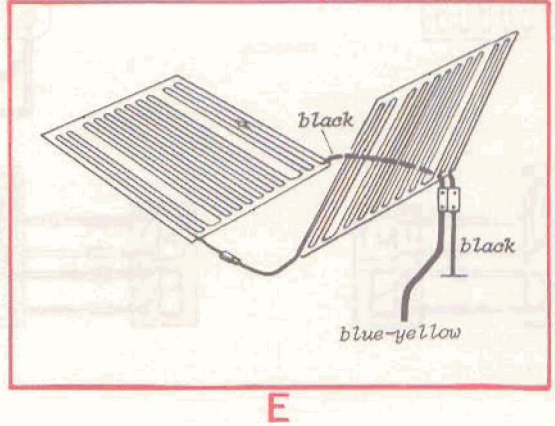
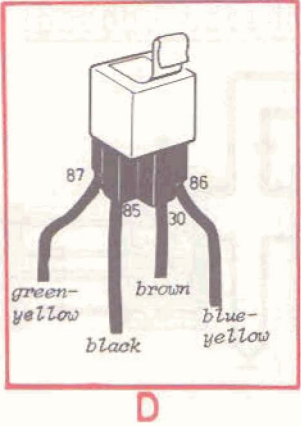
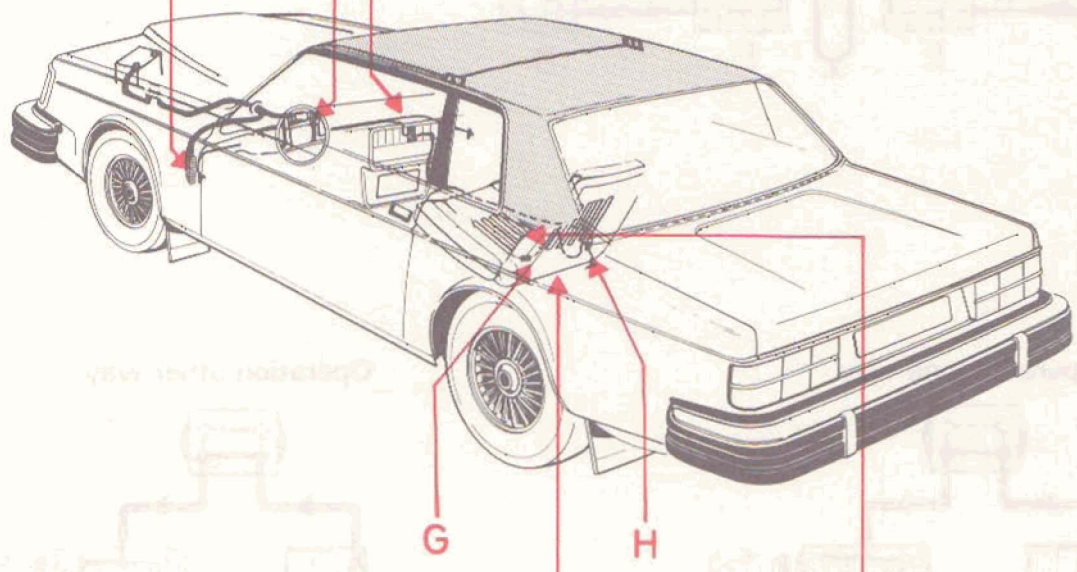
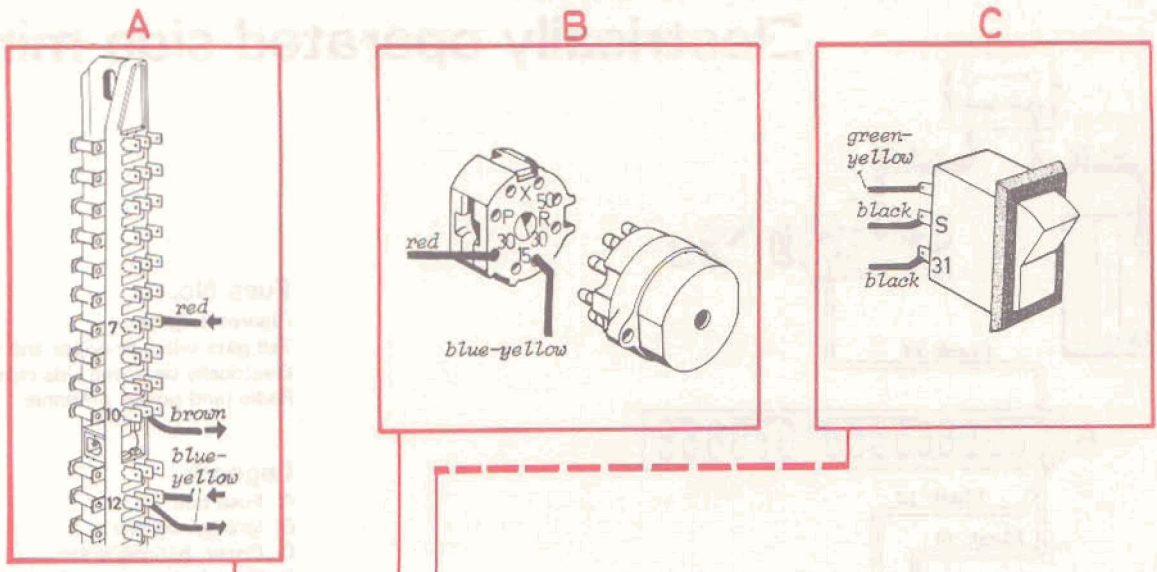
**Fuse No. 10:**

**Fuse No. 12:**  
Back-up lights  
Relay, window lifts  
Seat heater  
Air conditioning

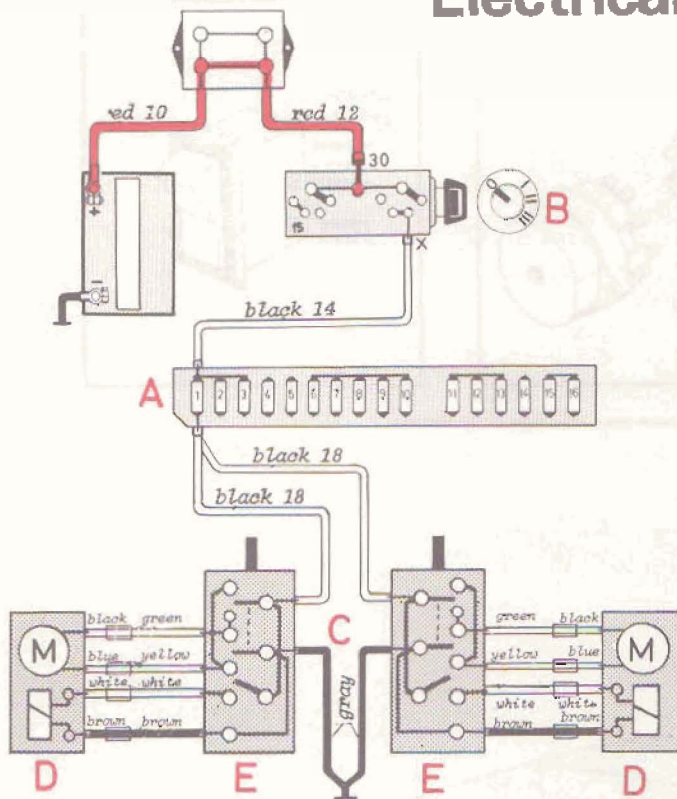
**Legend:**

- A Fuse box
- B Ignition switch
- C Switch, seat heater
- D Relay
- E Heater pad
- F Thermostat  
ON at 14°C = 57°F  
OFF at 26°C = 78°F
- G Connector
- H Connector





# Electrically operated side mirrors



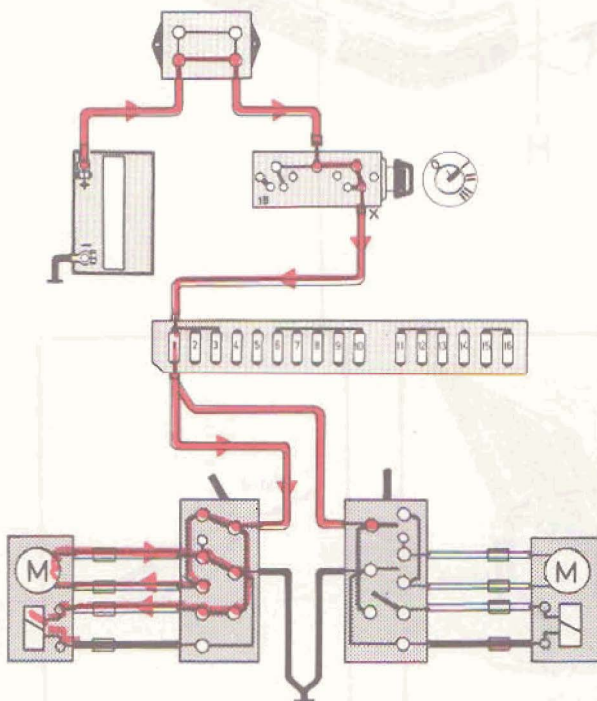
### Fuse No. 1:

- Cigarette lighter
- Tail gate window wiper and washer
- Electrically operated side mirrors
- Radio (and power antenna)

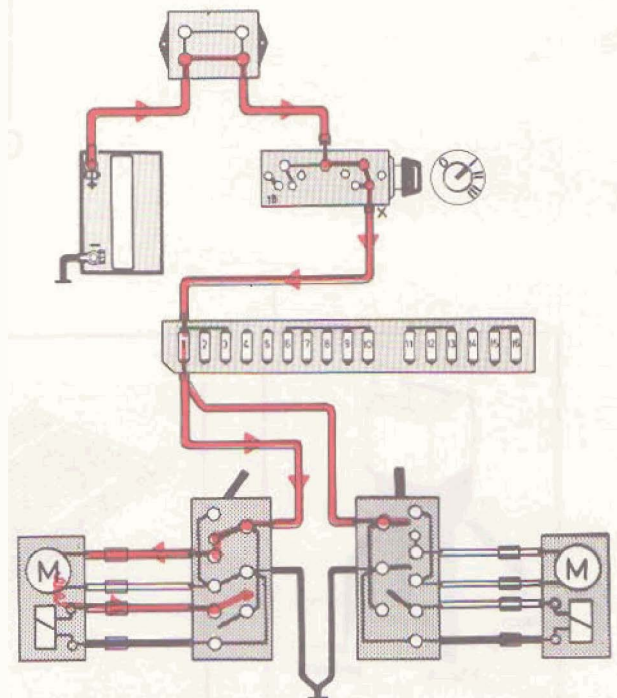
### Legend:

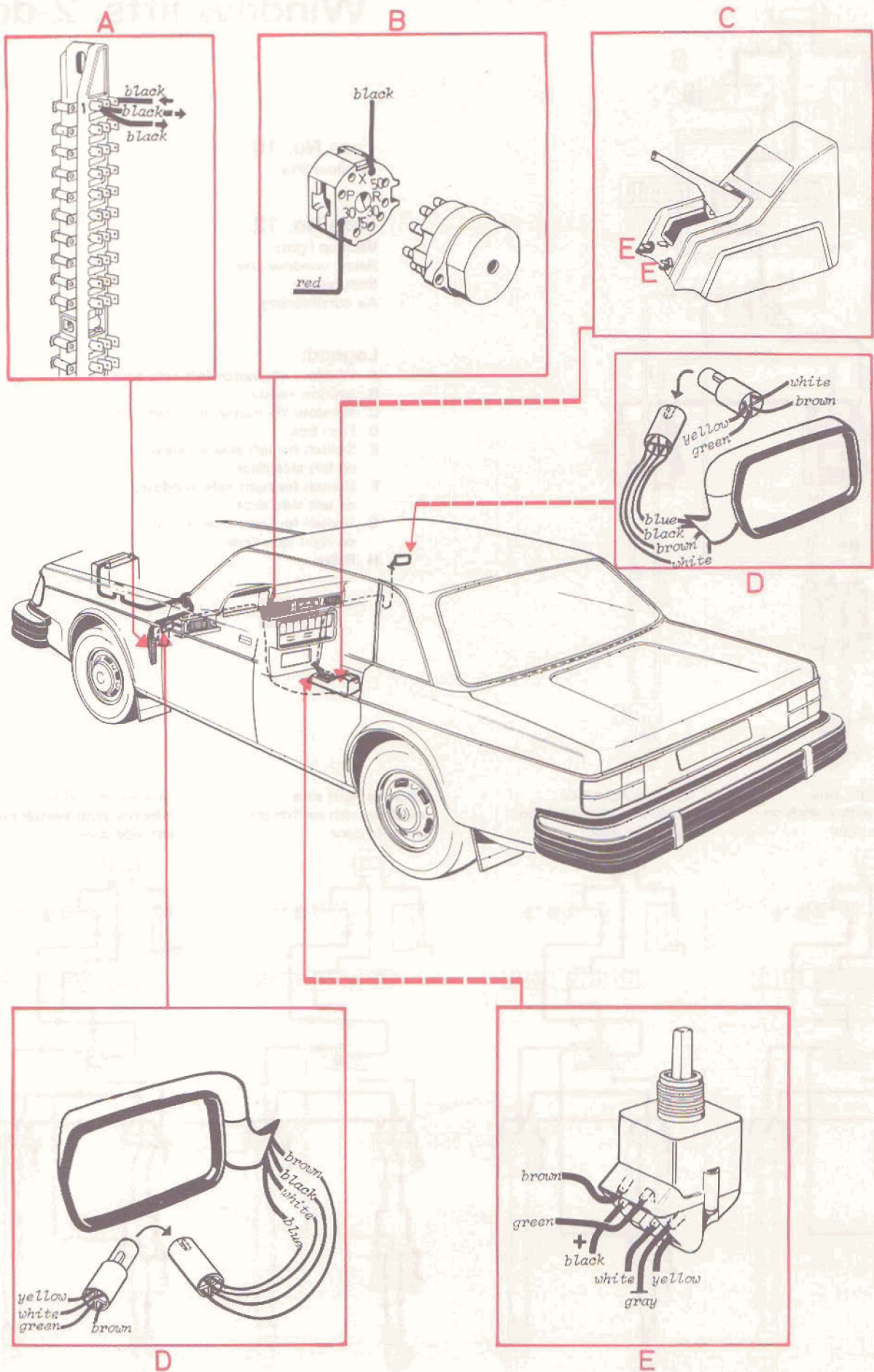
- A Fuse box
- B Ignition switch
- C Cover, parking brake
- D Electrically operated mirrors
- E Switches

Operation one way.

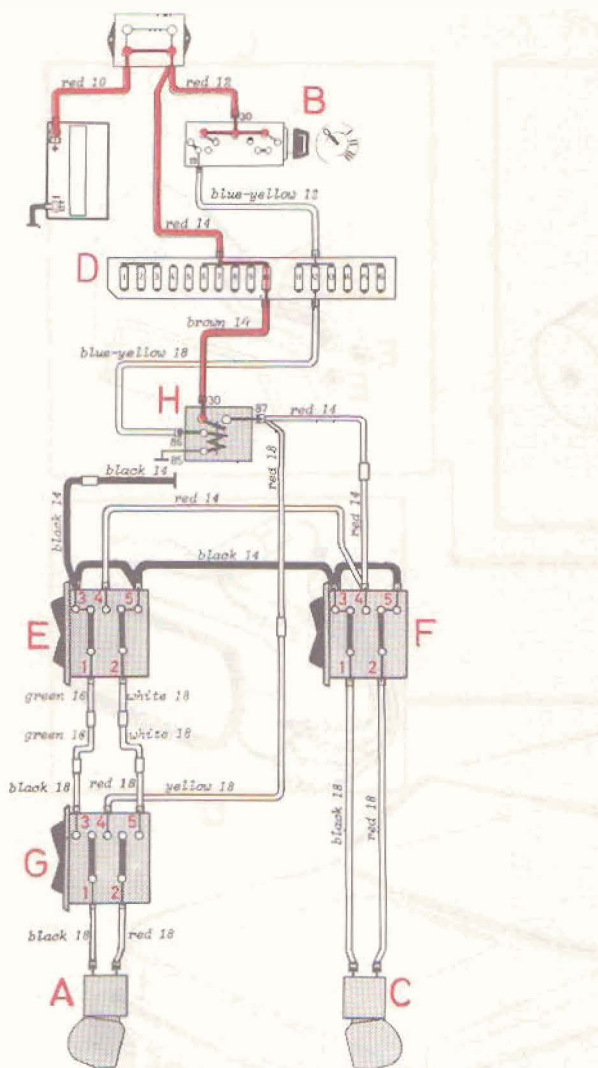


Operation other way.





# Window lifts, 2-door



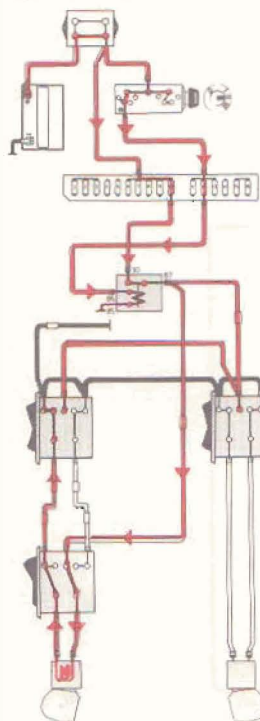
**Fuse No. 10:**  
Window lifts

**Fuse No. 12:**  
Back-up lights  
Relay, window lifts  
Seat heater  
Air conditioning

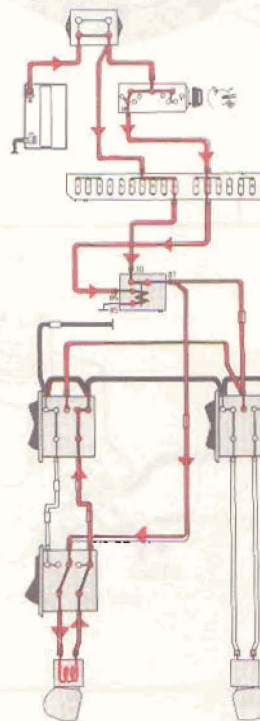
**Legend:**

- A Window lift motor, left side door
- B Ignition switch
- C Window lift motor, right side door
- D Fuse box
- E Switch for left side window, on left side door
- F Switch for right side window, on left side door
- G Switch for right side window, on right side door
- H Relay

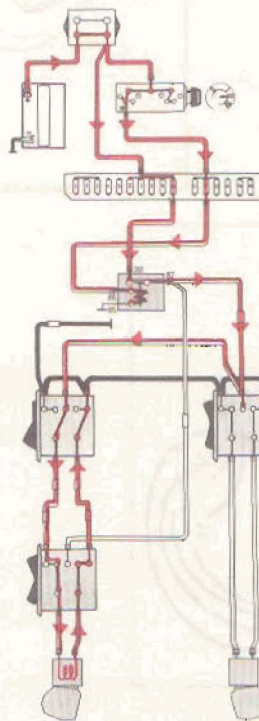
Closing right side window with switch on right side door



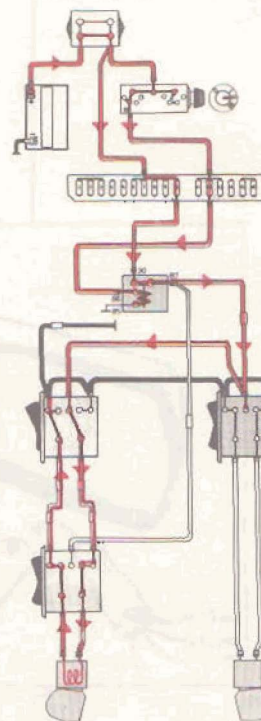
Opening right side window with switch on right side door

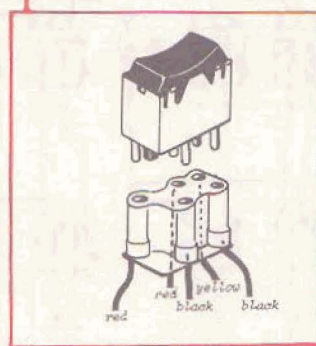
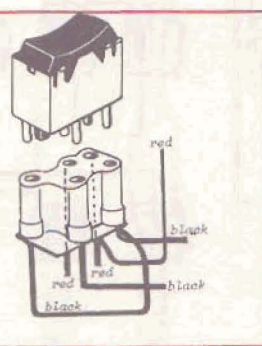
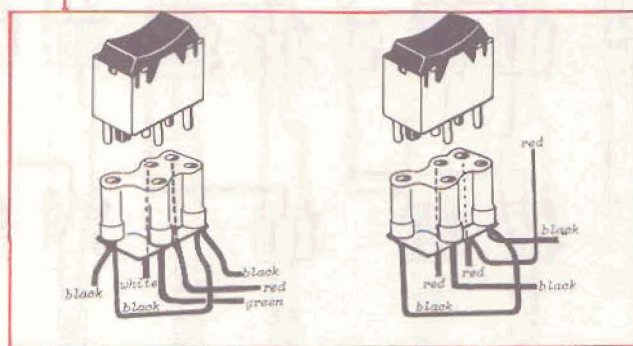
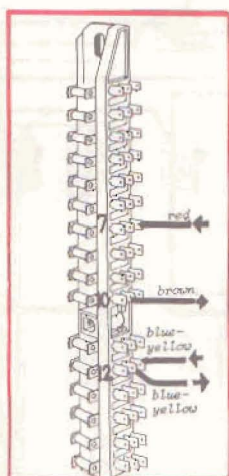
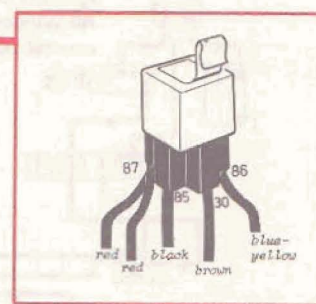
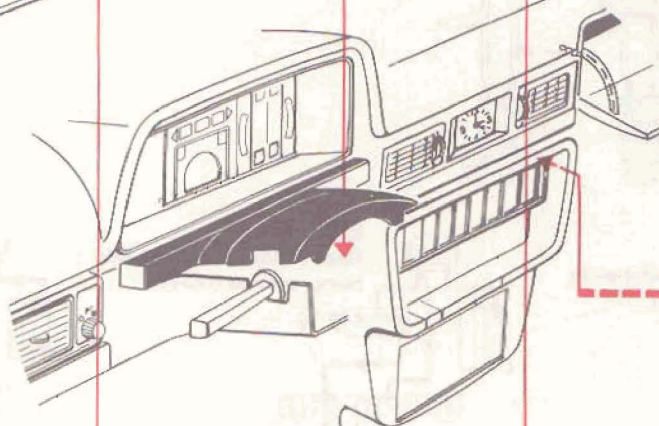
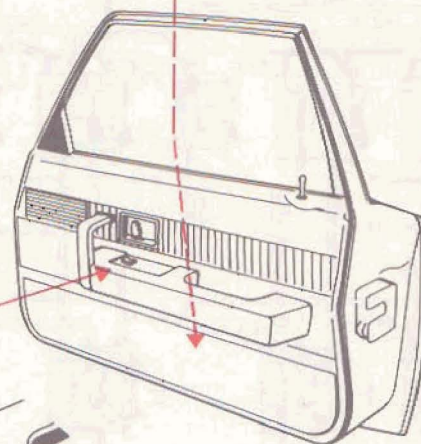
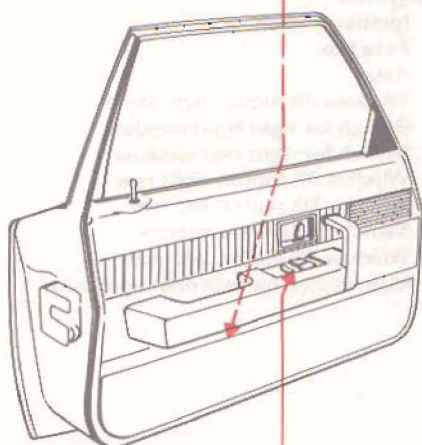
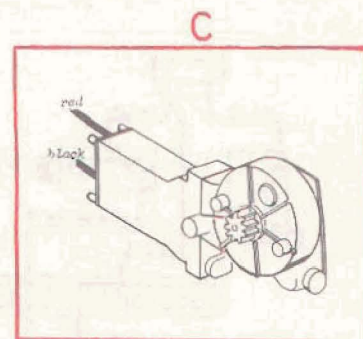
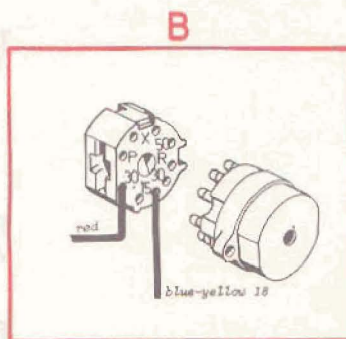
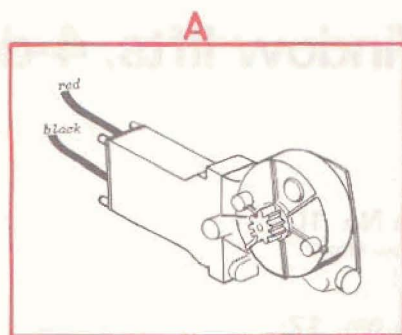


Opening right side window with switch on left side door



Closing right side window with switch on left side door





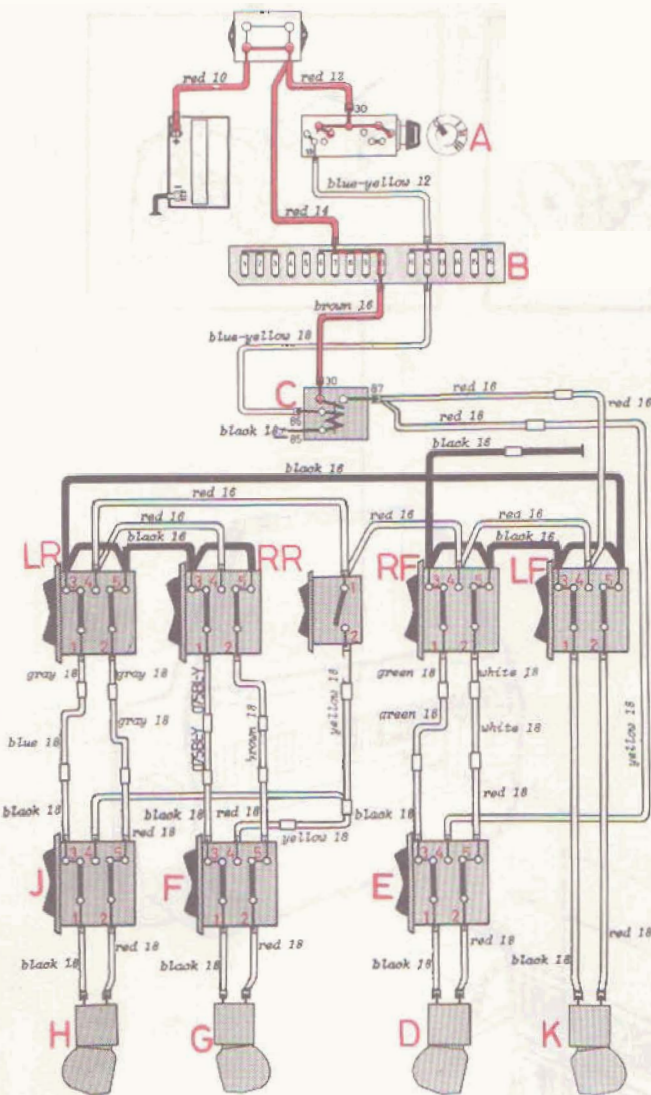
# Window lifts, 4-door

**Fuse No. 10:**  
Window lifts

**Fuse No. 12:**  
Back-up lights  
Relay, window lifts  
Seat heater  
Air conditioning

**Legend:**

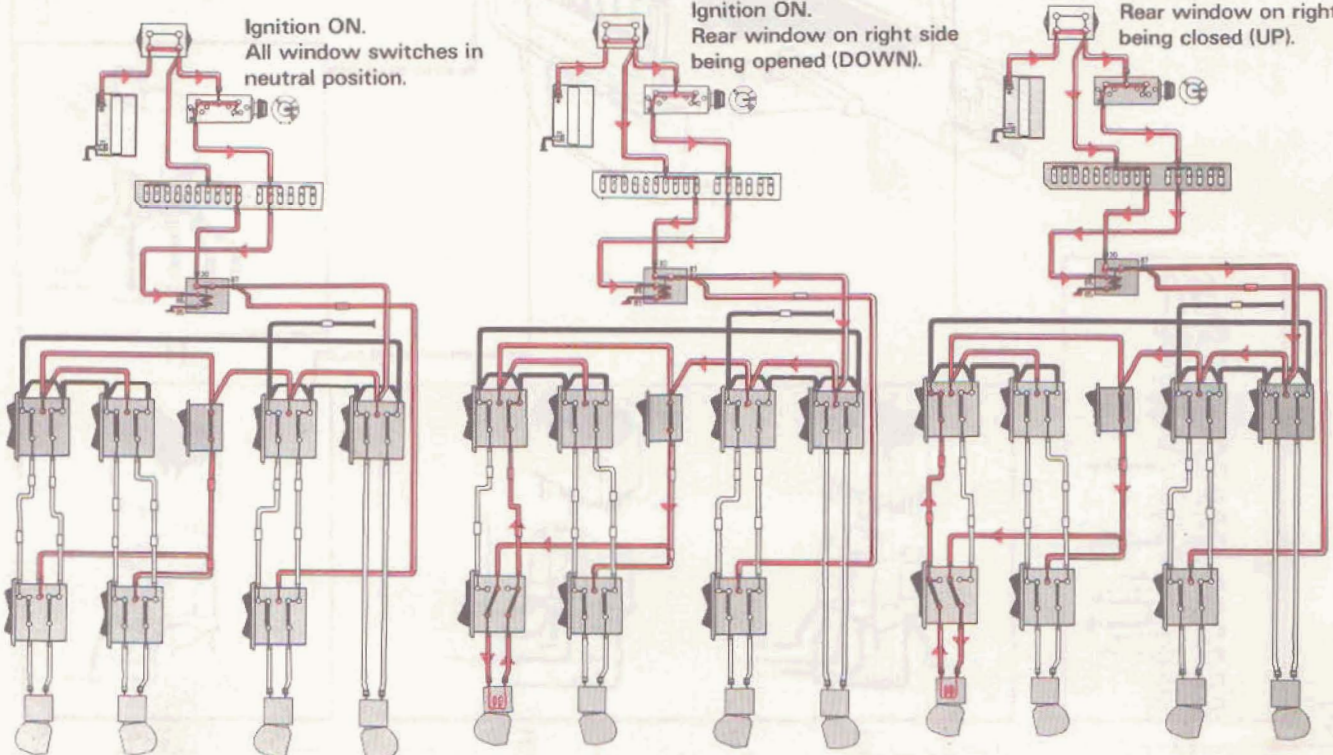
- A Ignition switch
- B Fuse box
- C Relay
- D Window lift motor, right front
- E Switch for right front window
- F Switch for right rear window
- G Window lift motor, right rear
- H Window lift motor, left rear
- J Switch for left rear window
- K Window lift motor, left front
- L Main switch for rear door windows

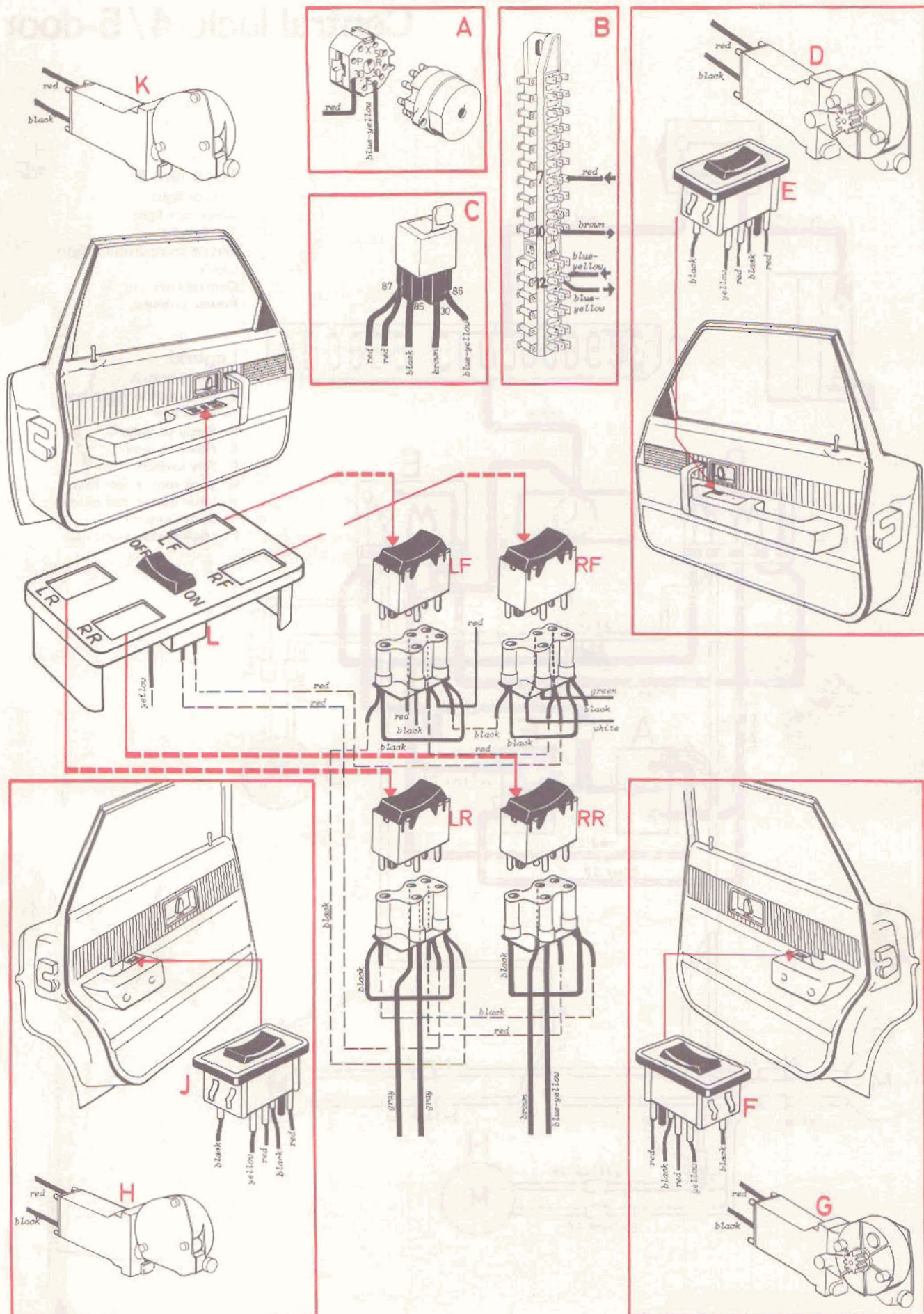


Ignition ON.  
All window switches in  
neutral position.

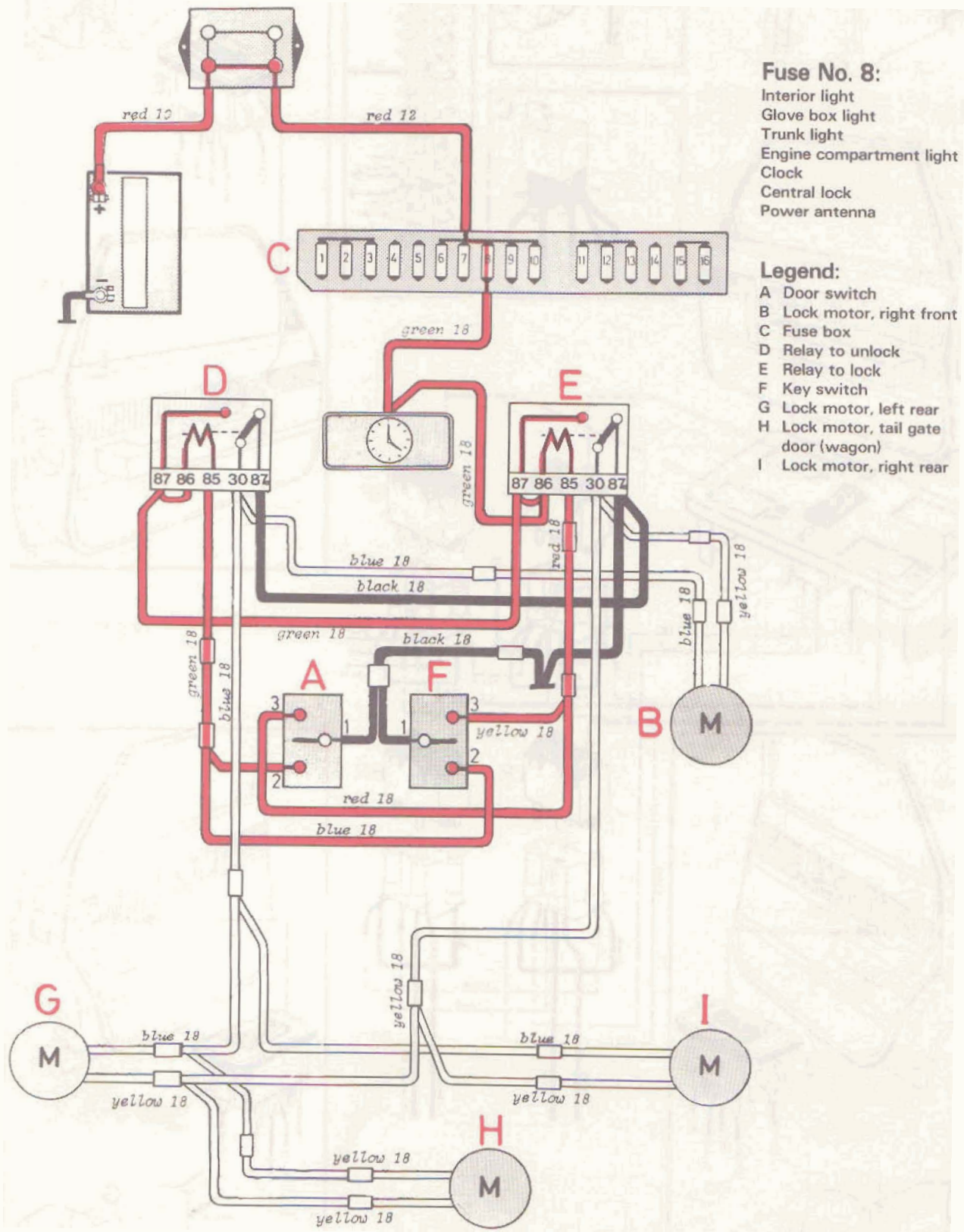
Ignition ON.  
Rear window on right side  
being opened (DOWN).

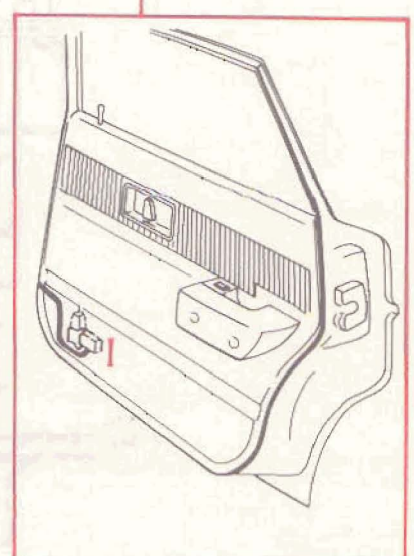
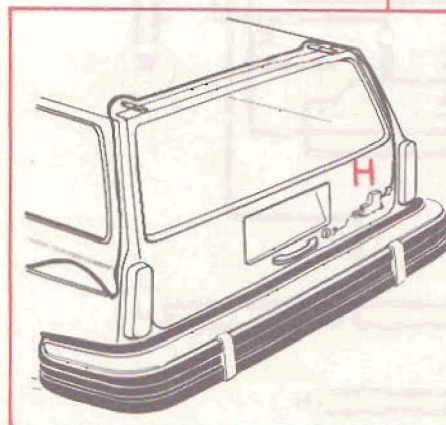
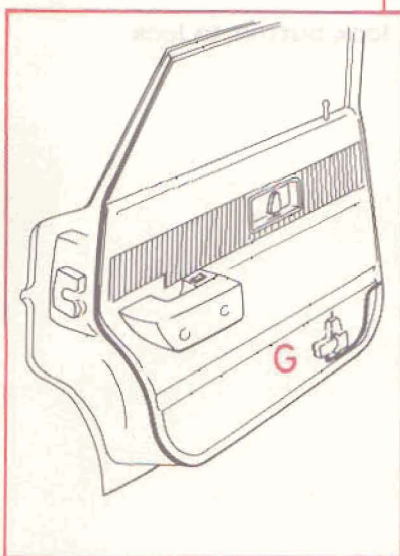
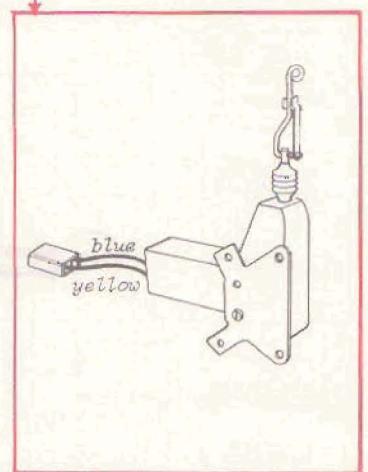
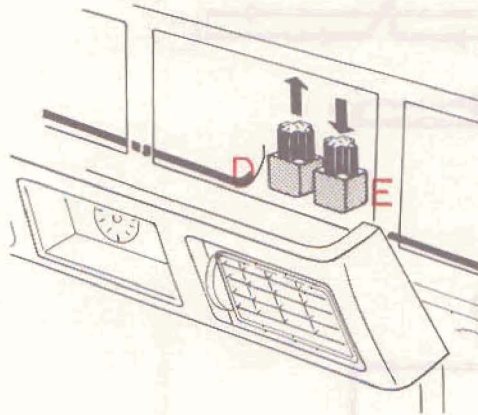
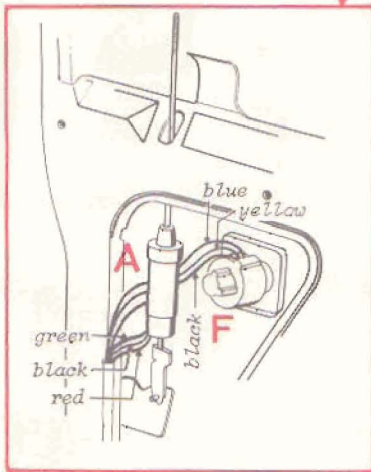
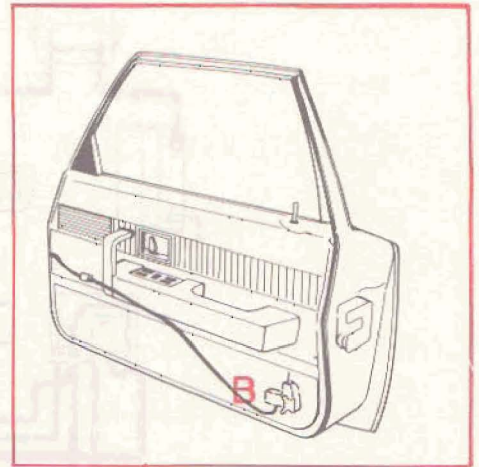
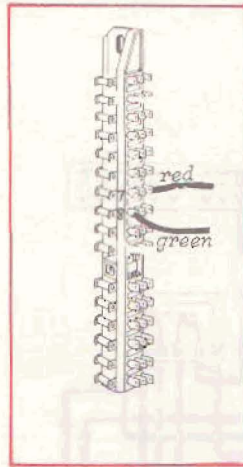
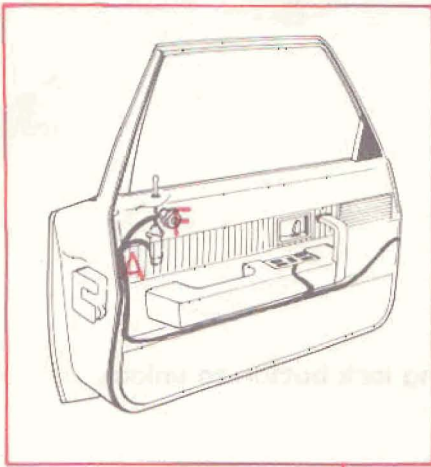
Ignition ON.  
Rear window on right side  
being closed (UP).

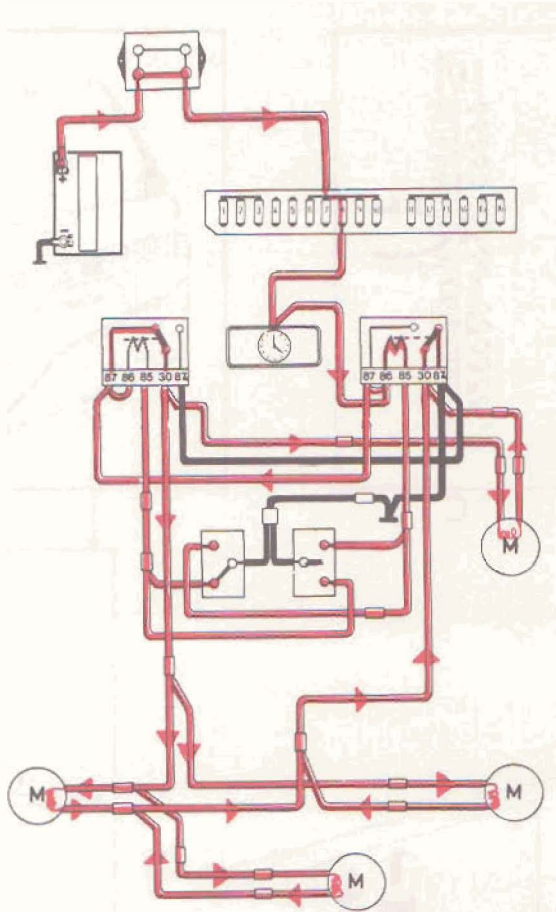




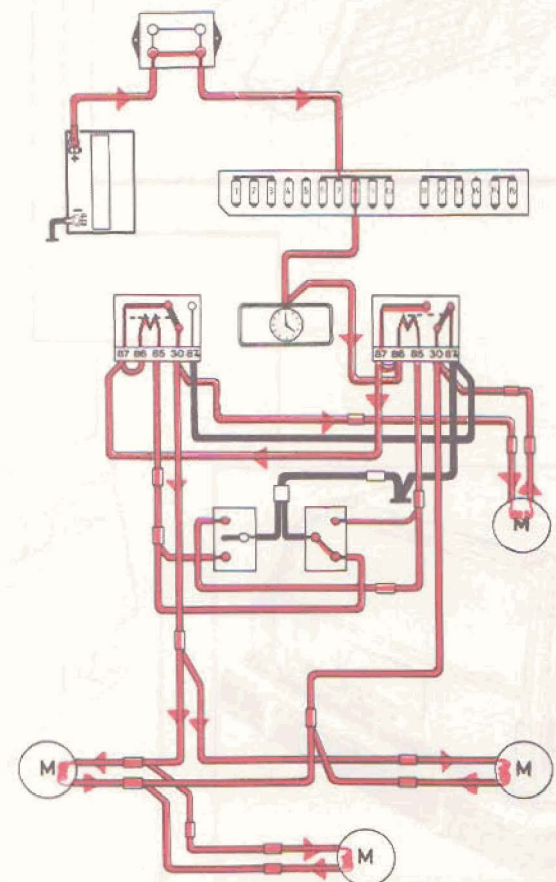
# Central lock, 4/5-door



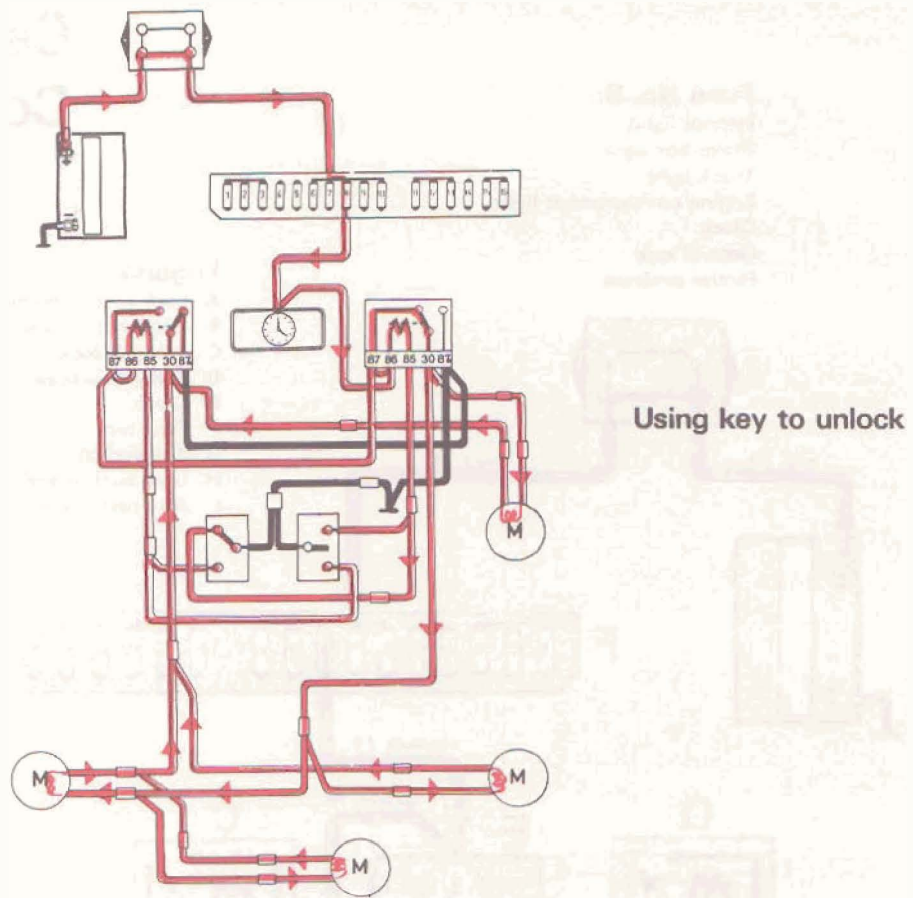




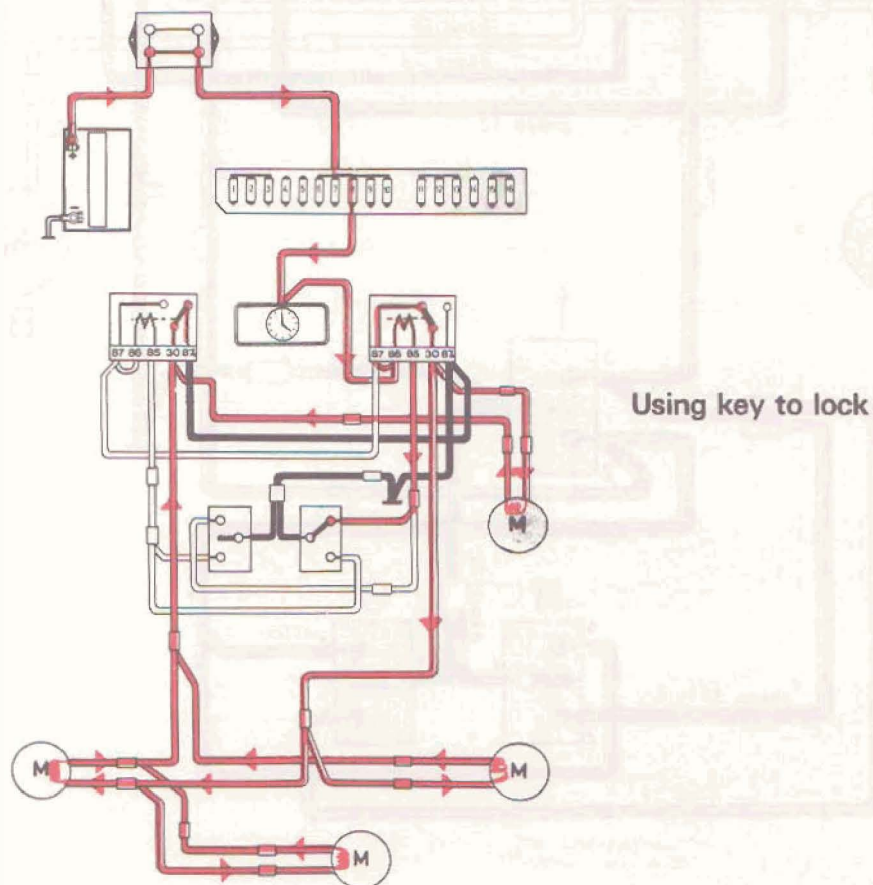
Using lock button to unlock



Using lock button to lock



Using key to unlock

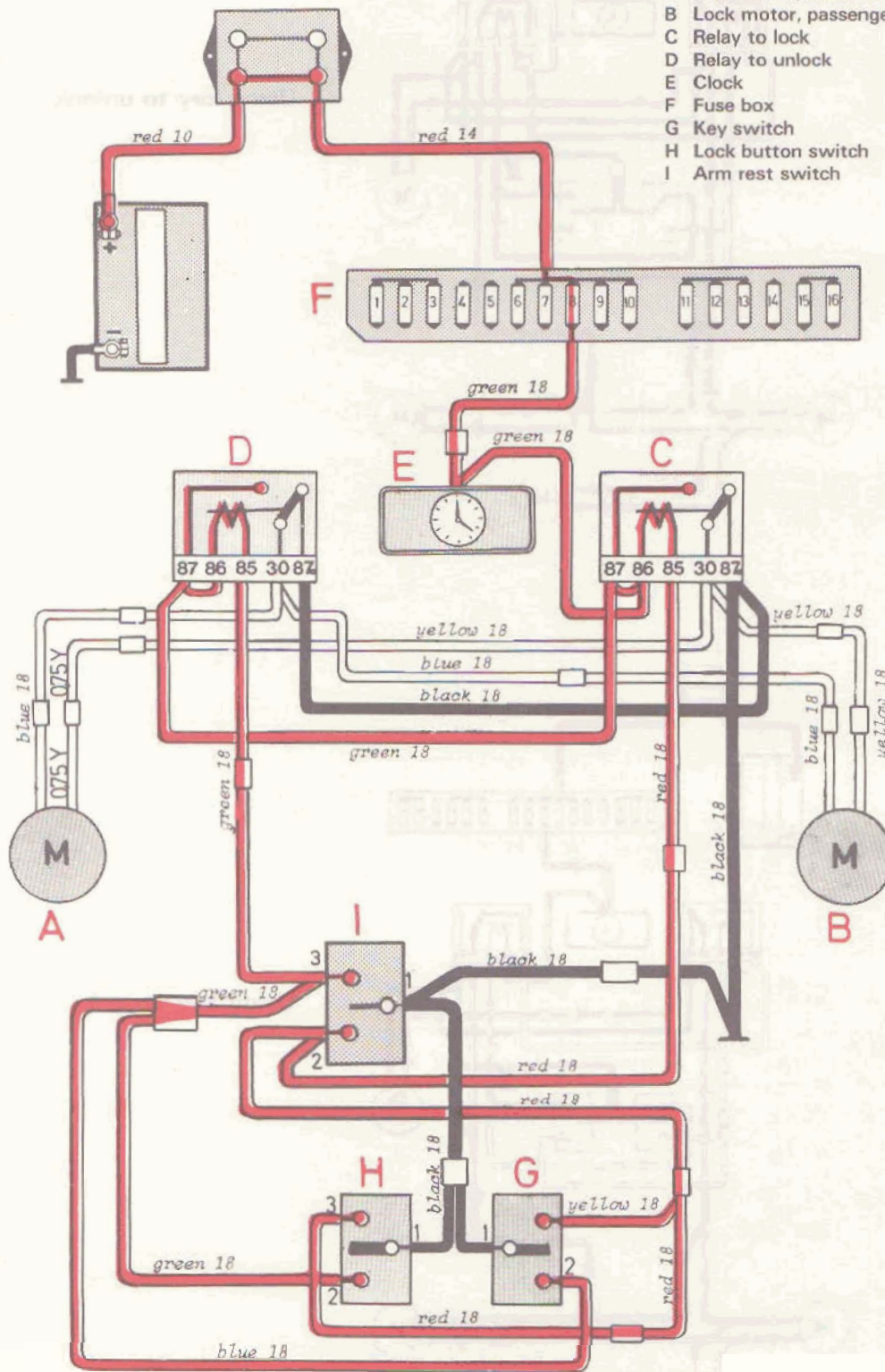


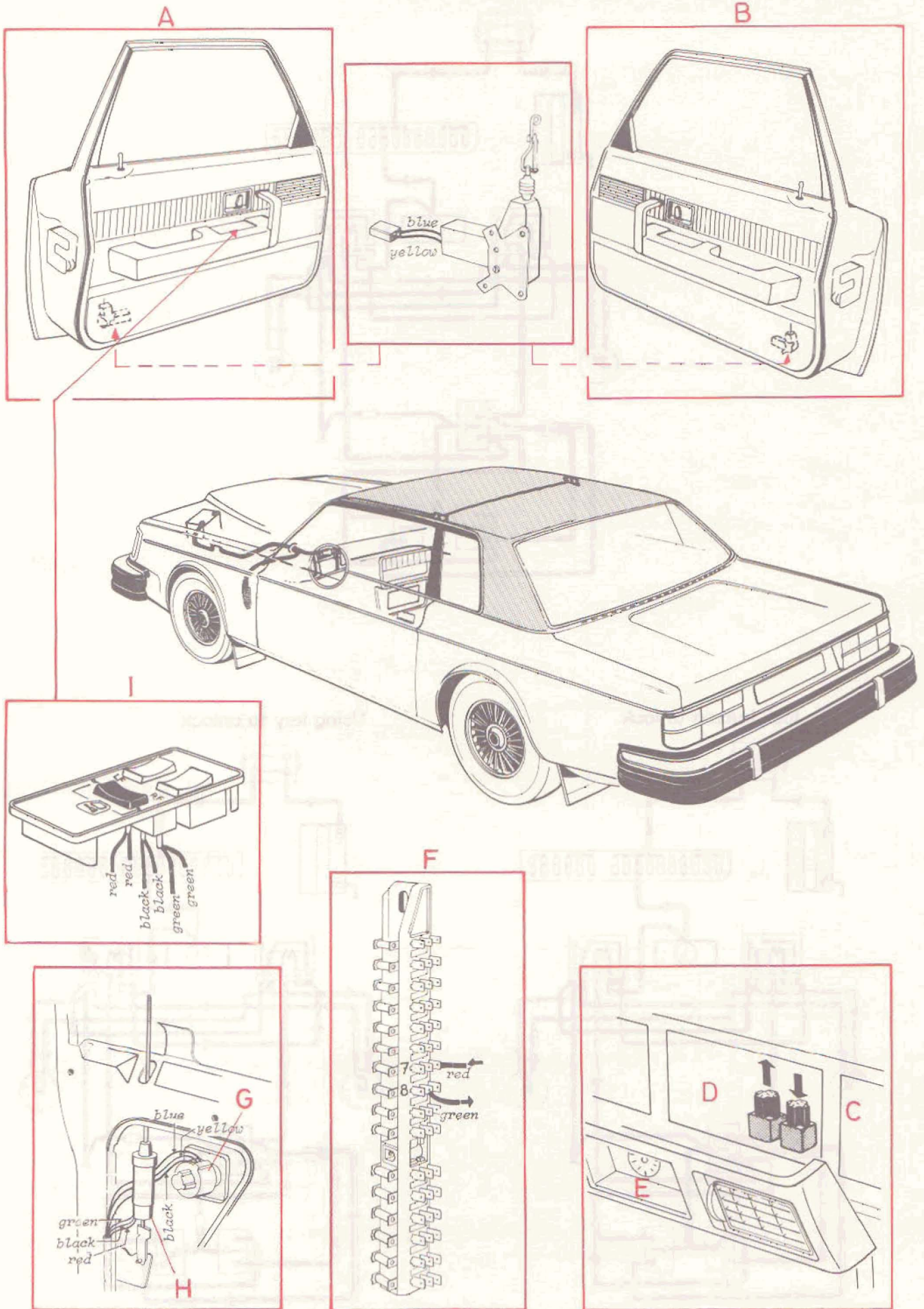
Using key to lock

# Central lock, Coupe

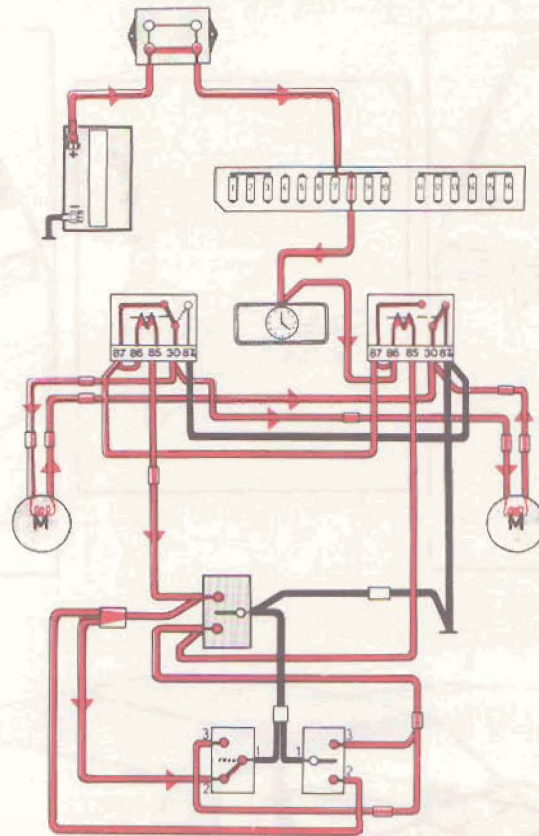
**Fuse No. 8:**  
 Interior light  
 Glove box light  
 Trunk light  
 Engine compartment light  
 Clock  
 Central lock  
 Power antenna

**Legend:**  
 A Lock motor, driver's door  
 B Lock motor, passenger side  
 C Relay to lock  
 D Relay to unlock  
 E Clock  
 F Fuse box  
 G Key switch  
 H Lock button switch  
 I Arm rest switch

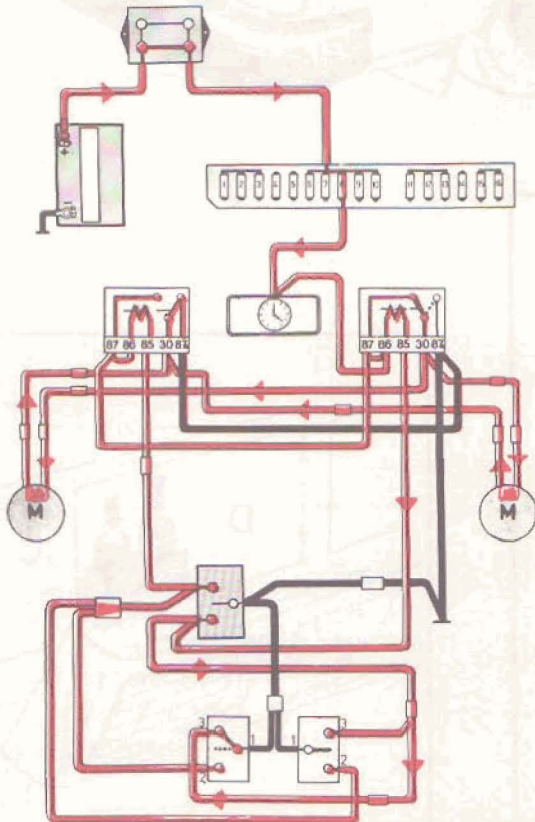




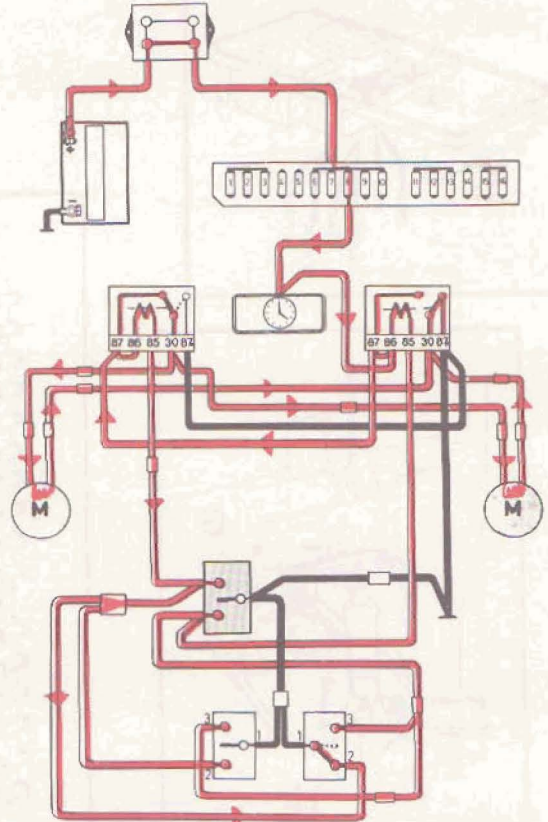
Using lock button to unlock



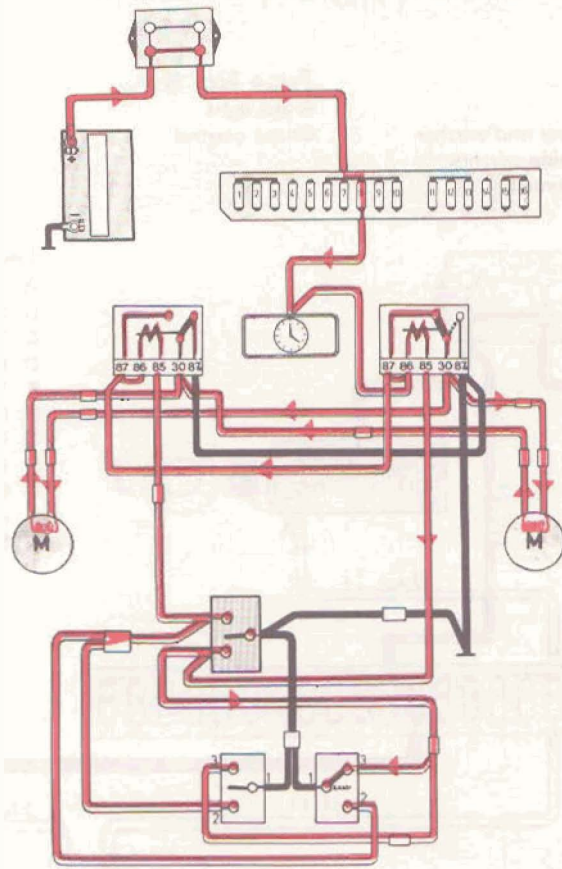
Using lock button to lock



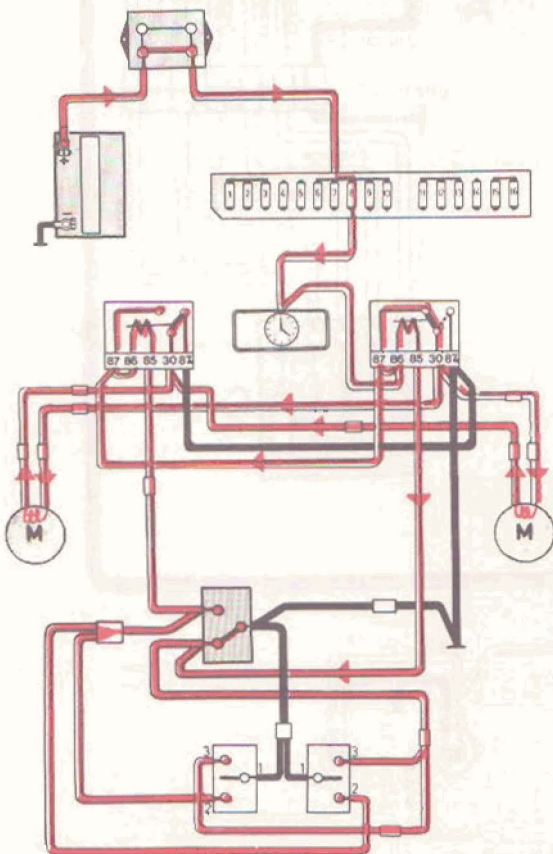
Using key to unlock



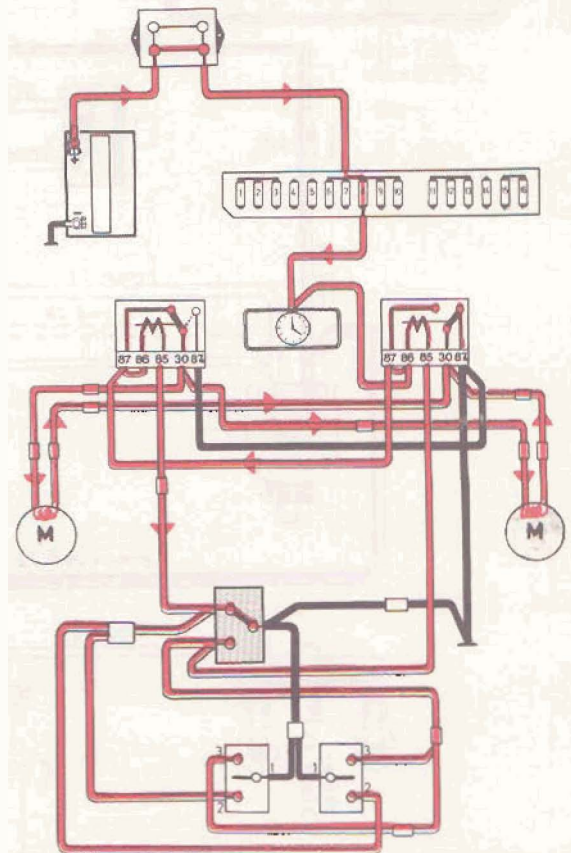
Using key to lock



Using arm rest switch to lock



Using arm rest switch to unlock



# Cruise control

## Fuse No. 1:

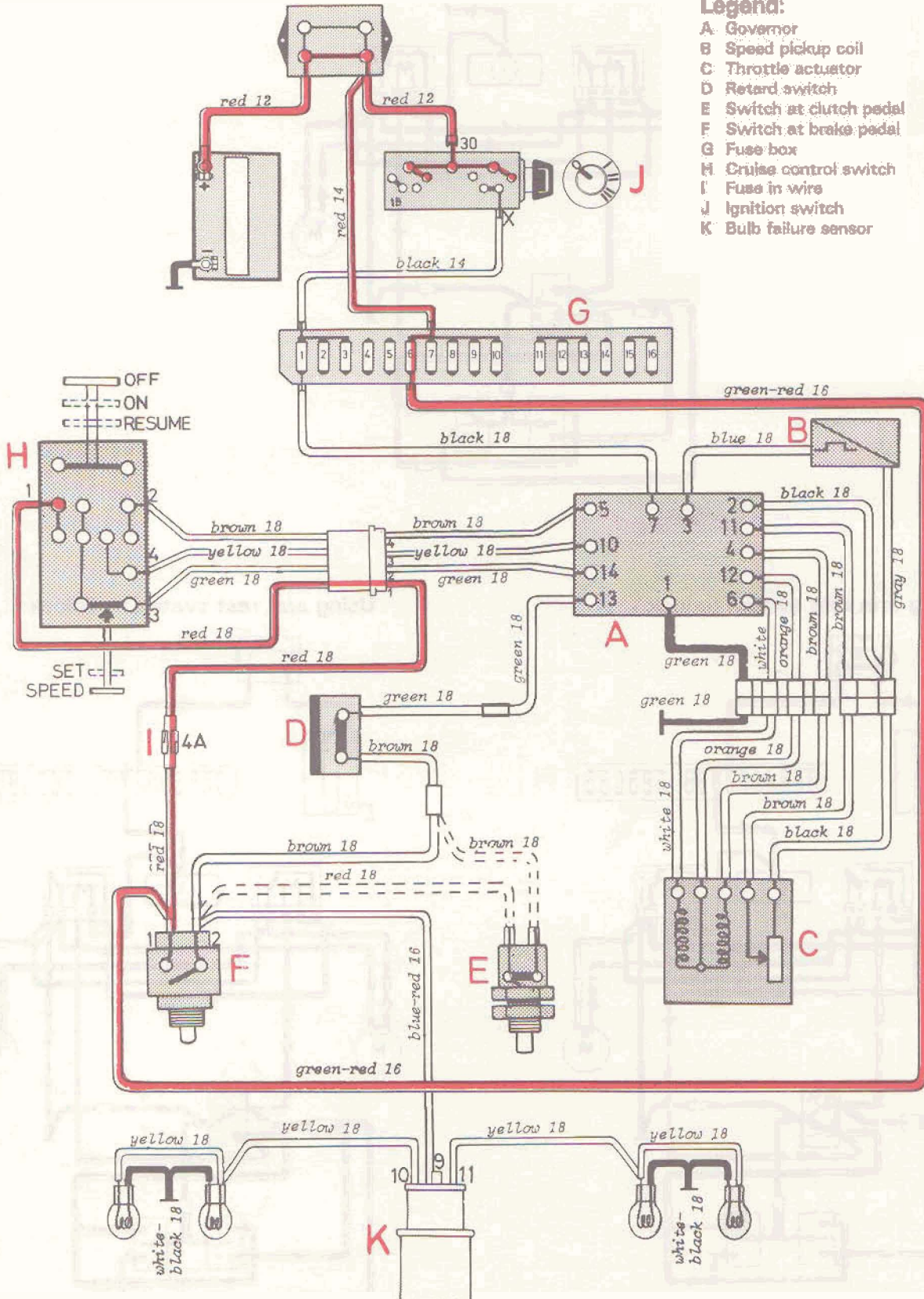
- Cigarette lighter
- Tail gate window wiper and washer
- Electrically operated side mirrors
- Radio (and power antenna)
- Cruise control

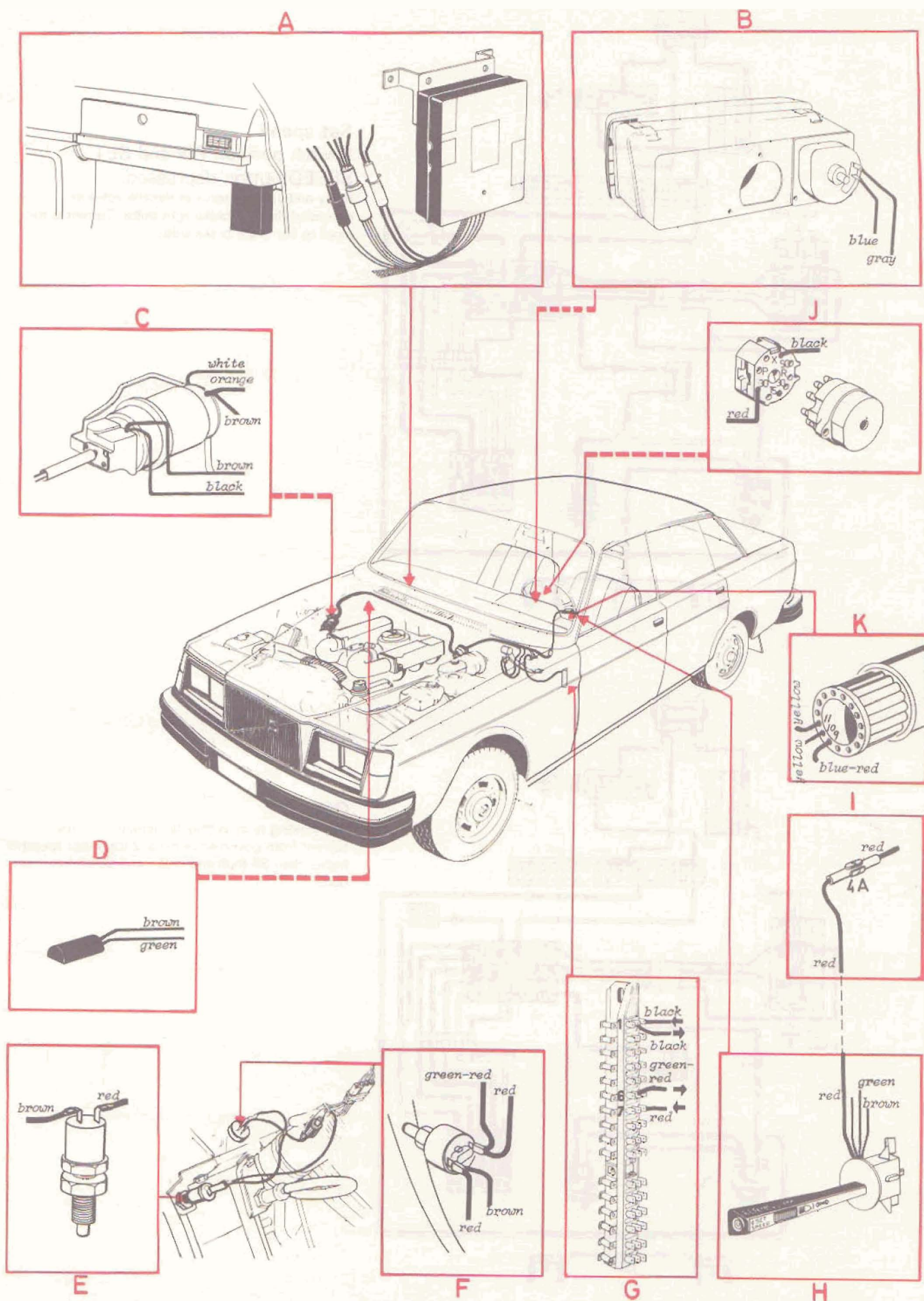
## Fuse No. 6:

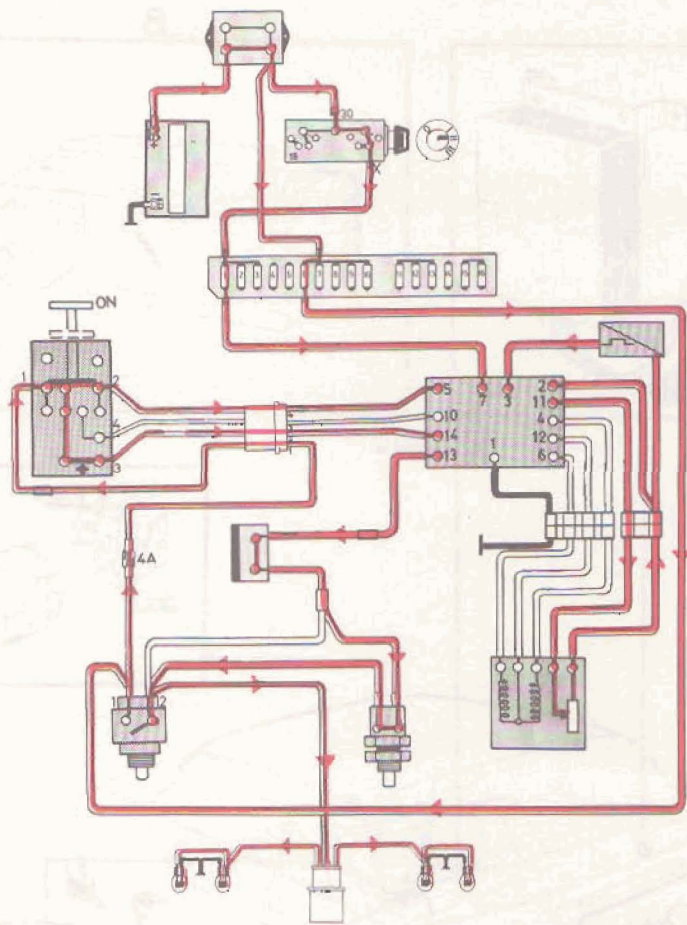
- Brake light
- Cruise control

### Legend:

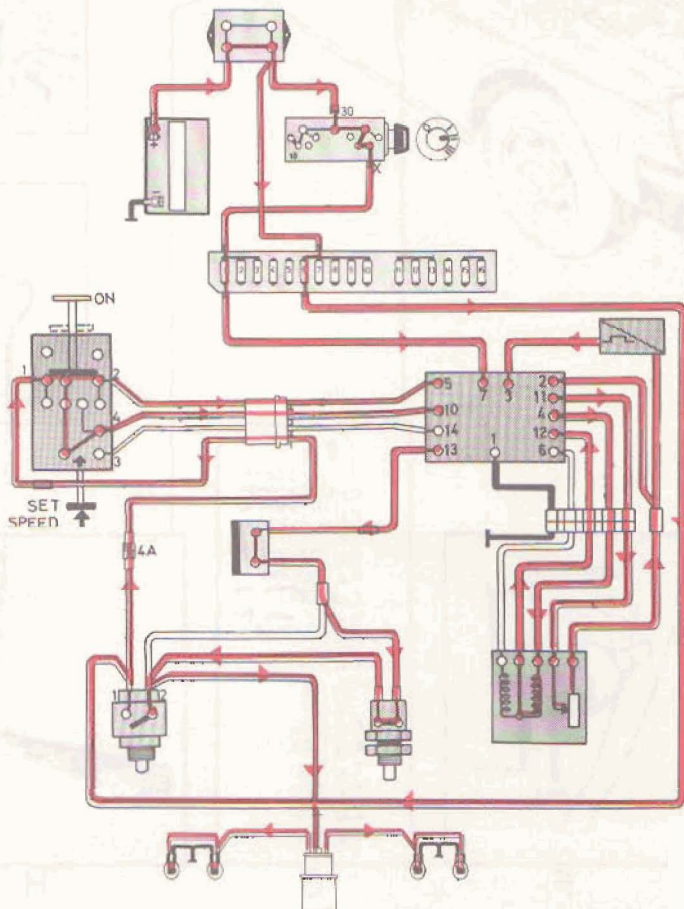
- A Governor
- B Speed pickup coil
- C Throttle actuator
- D Retard switch
- E Switch at clutch pedal
- F Switch at brake pedal
- G Fuse box
- H Cruise control switch
- I Fuse in wire
- J Ignition switch
- K Bulb failure sensor



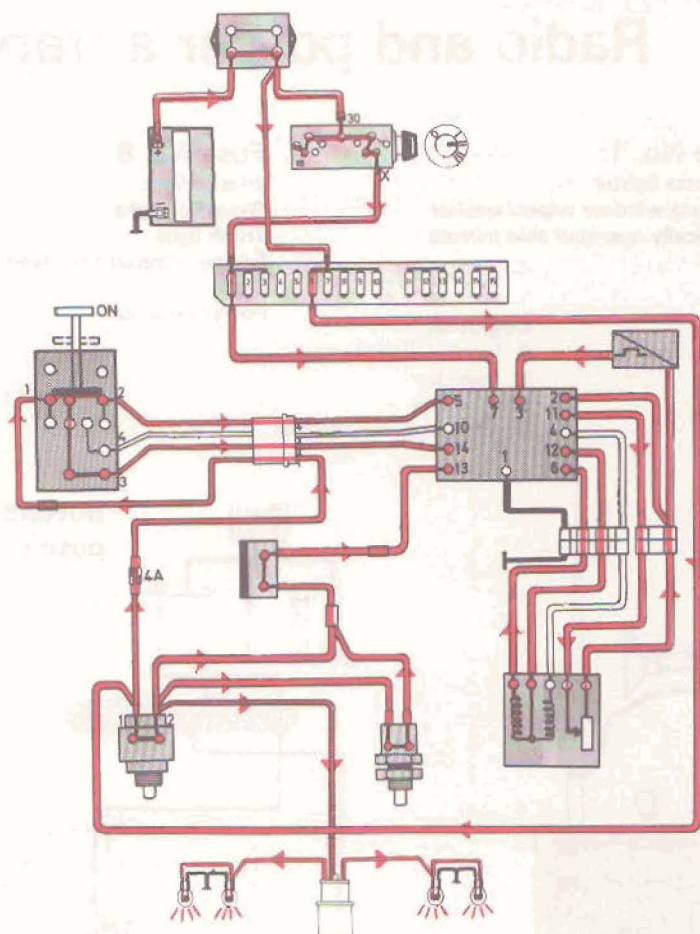




**Set speed**  
 Switch position ON and SET SPEED button depressed.  
 Relay and vacuum valve in throttle actuator grounded through brake light bulbs. Current is too small to illuminate brake lights.

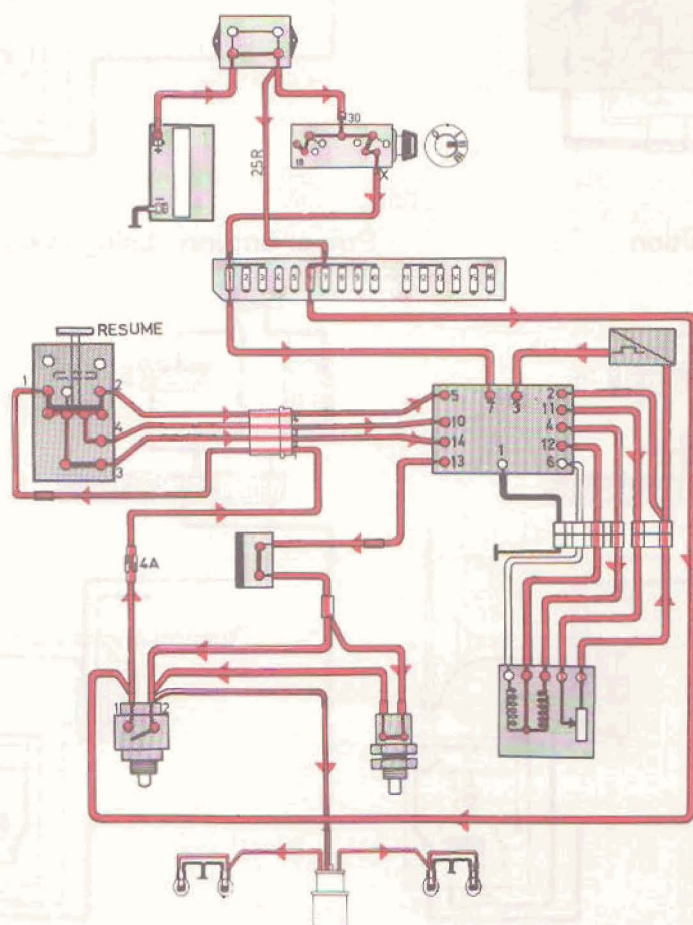


**ON**  
 Self-holding relay in throttle actuator receives current from governor terminal 2 (provided speed is higher than 35 mph and brake and clutch not engaged).



### Cruise control disengaged

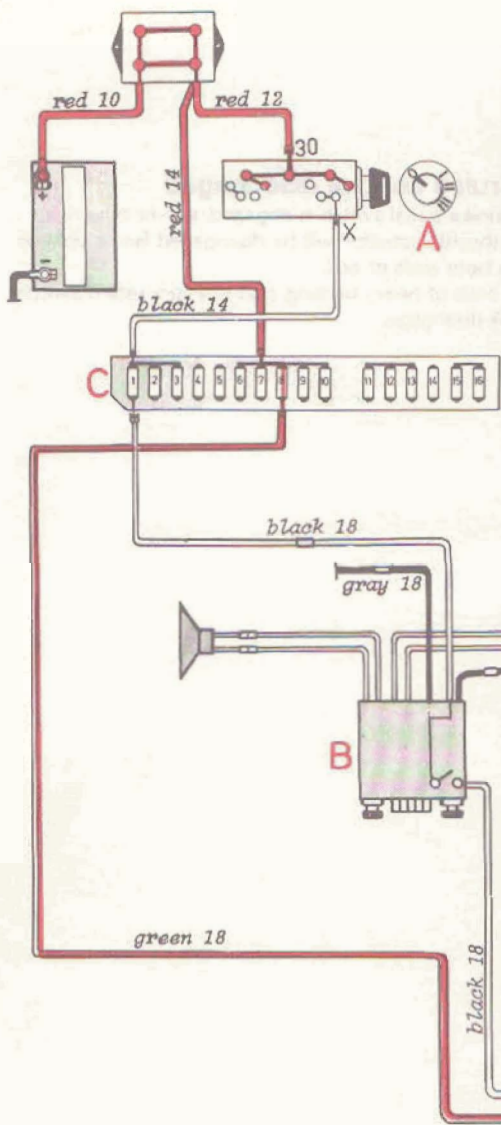
If brake pedal switch is engaged, self-holding relay in throttle actuator will be disengaged (same voltage on both ends of coil).  
In case of heavy braking, also mercury retard switch will disengage.



### Resume

Switch to Resume engages memory and previous setting.

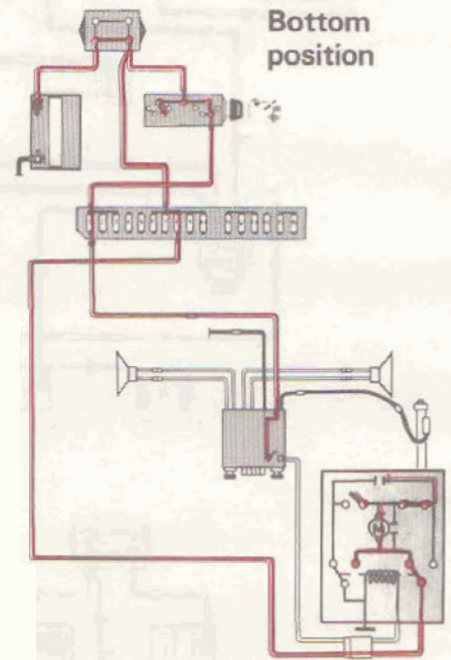
# Radio and power antenna



**Fuse No. 1:**  
 Cigarette lighter  
 Tail gate window wiper / washer  
 Electrically operated side mirrors  
 Radio

**Fuse No. 8**  
 Interior light  
 Glove box light  
 Trunk light  
 Engine compartment light  
 Clock  
 Power antenna

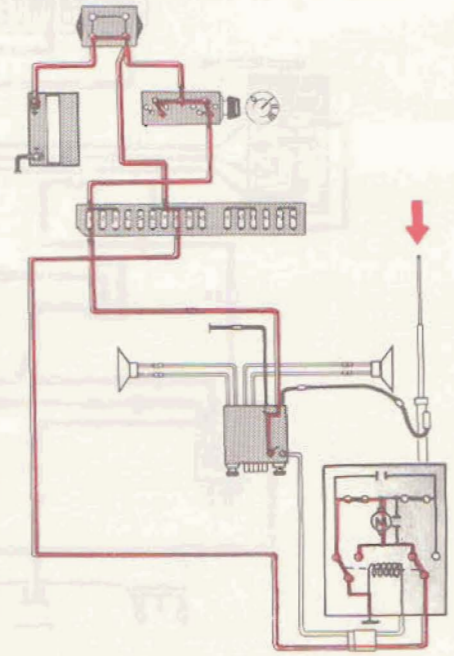
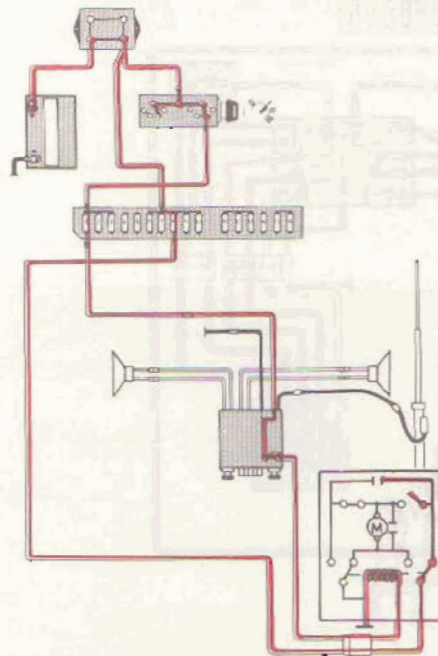
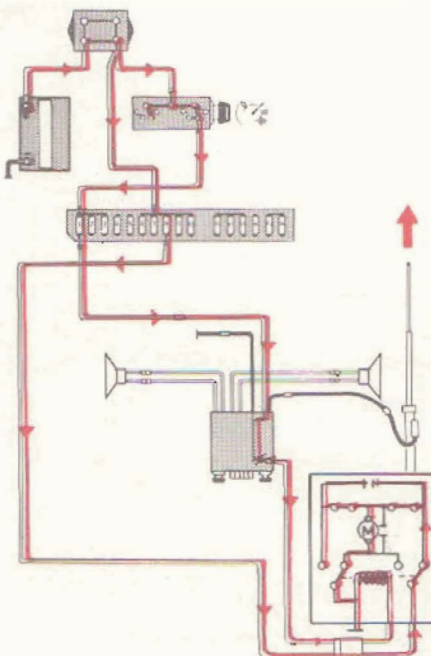
**Legend:**  
 A Ignition switch  
 B Switch  
 C Fuse box  
 D Motor, power antenna



Power antenna being raised

Top position

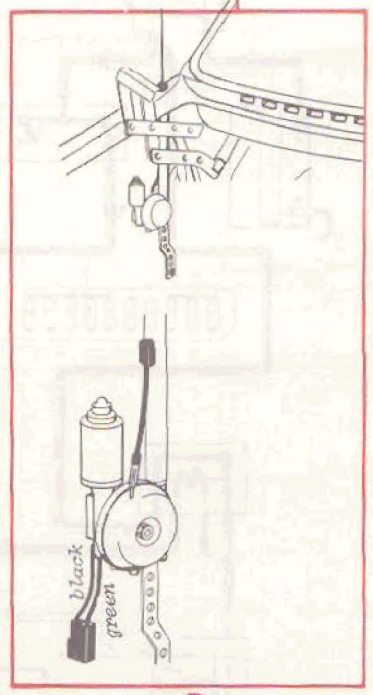
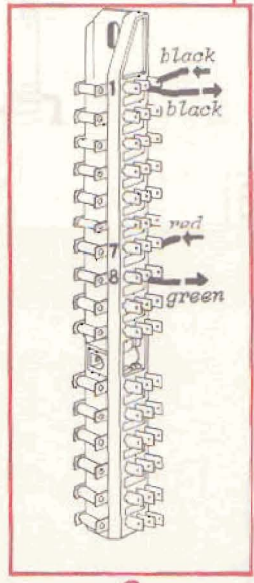
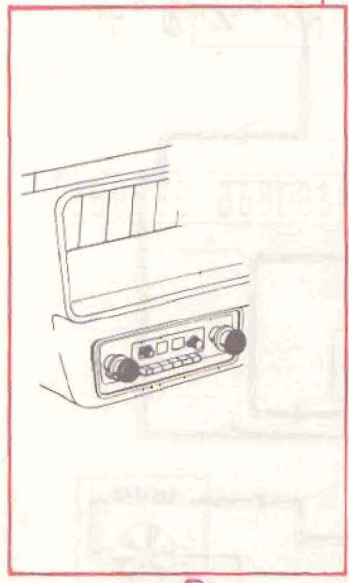
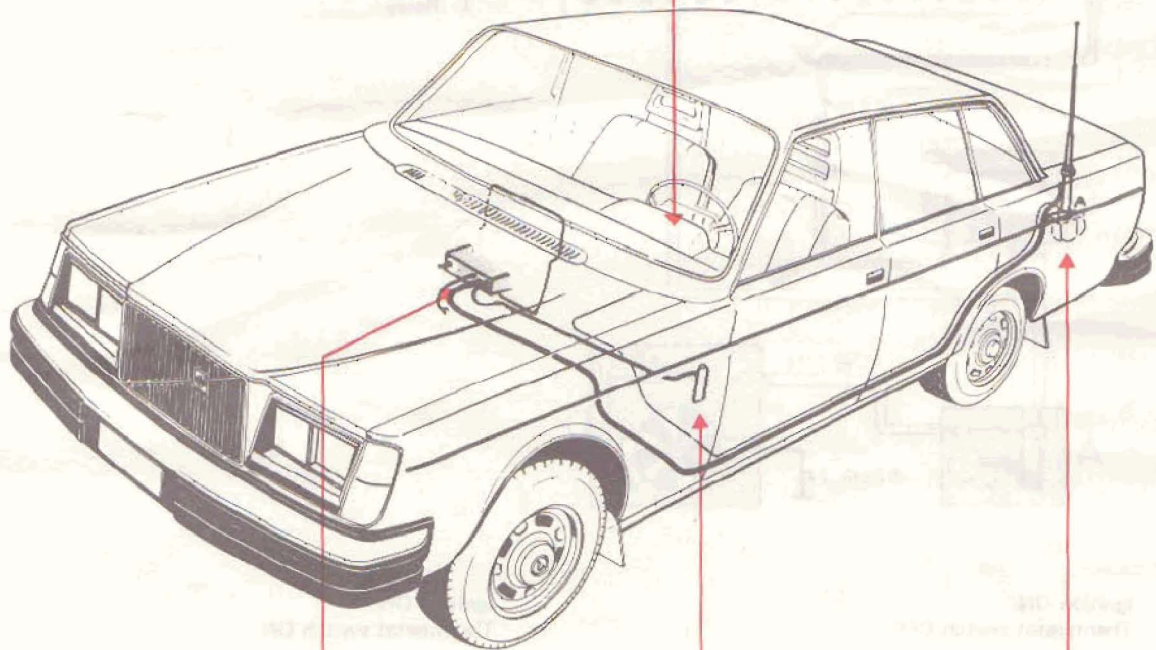
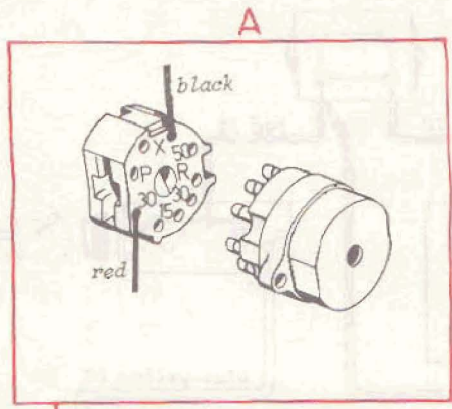
Power antenna being lowered



Electric cooling fan

Fuse No. 13  
Ignition  
Fuel system  
Cooling fan  
Power windows  
Power door locks  
Security system  
Radio

1. Radio  
2. Ignition switch  
3. Power windows  
4. Power door locks  
5. Security system  
6. Electric cooling fan  
7. Fuse No. 13

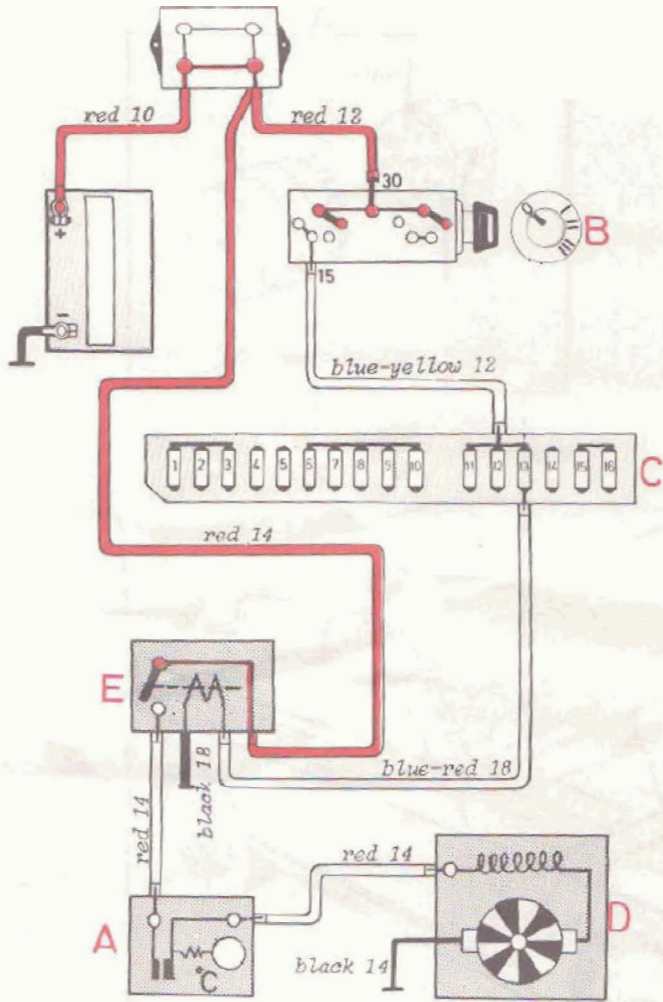


B

C

D

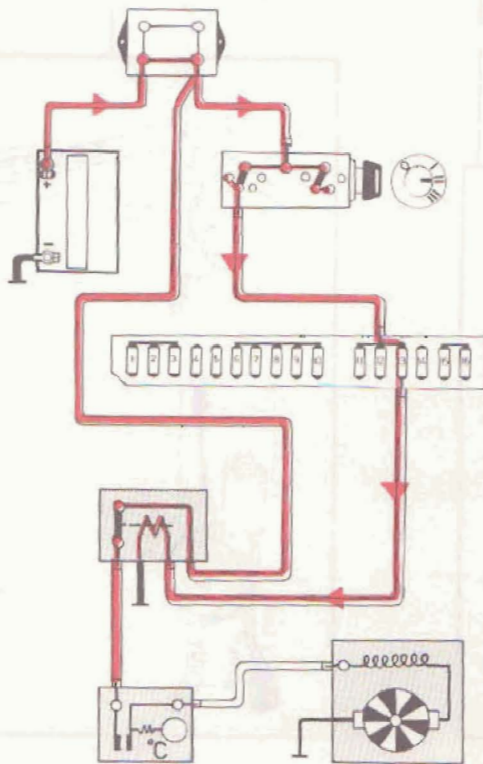
# Electric cooling fan



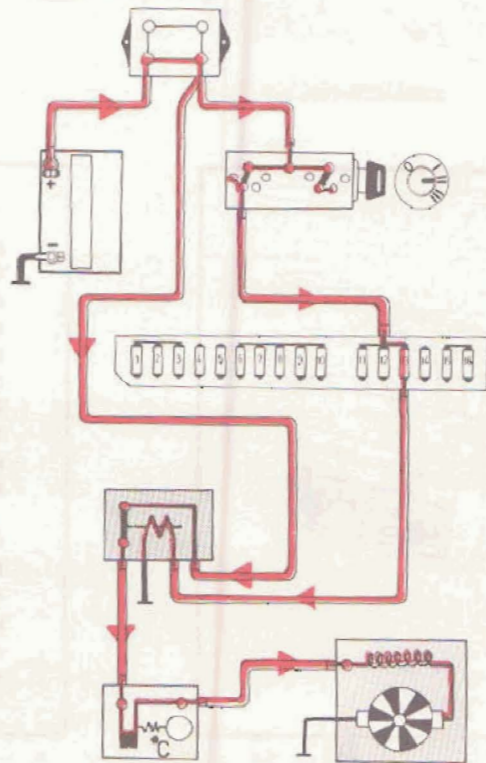
**Fuse No. 13:**  
 Instruments  
 Turn signals  
 Seat belt warning  
 Relay, fuel injection  
 Solenoid valve (carburetor)  
 Electric cooling fan

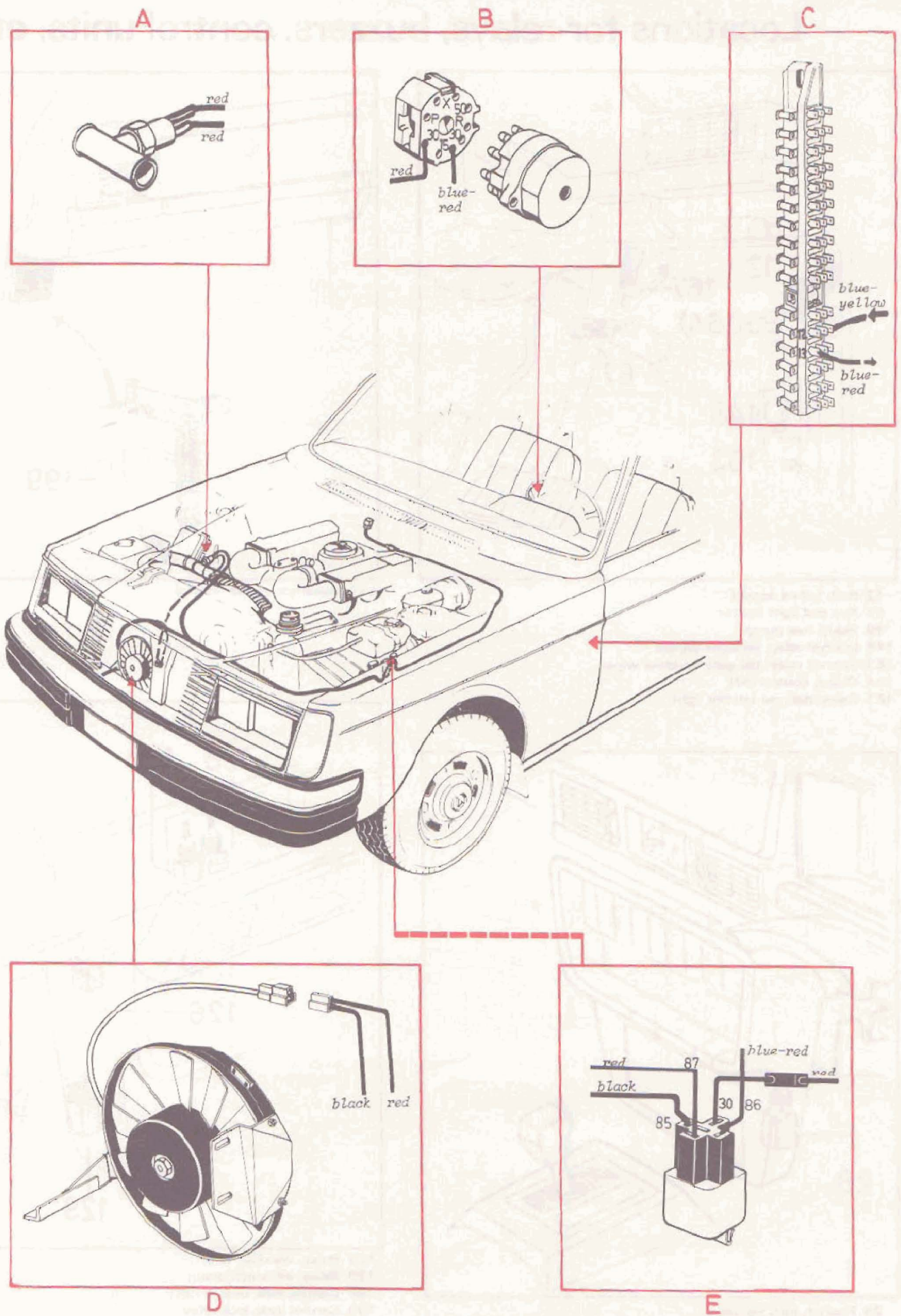
**Legend:**  
 A Thermostat switch  
 B Ignition switch  
 C Fuse box  
 D Electric cooling fan  
 E Relay

Ignition ON.  
 Thermostat switch OFF.

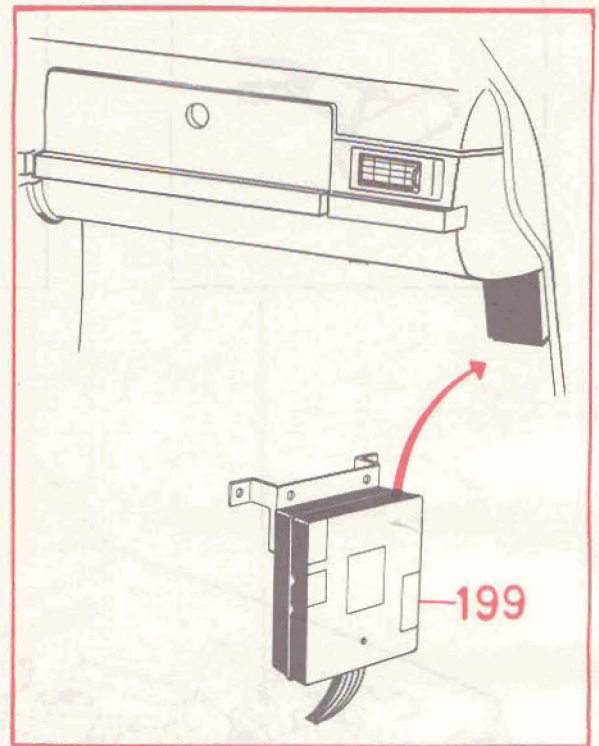
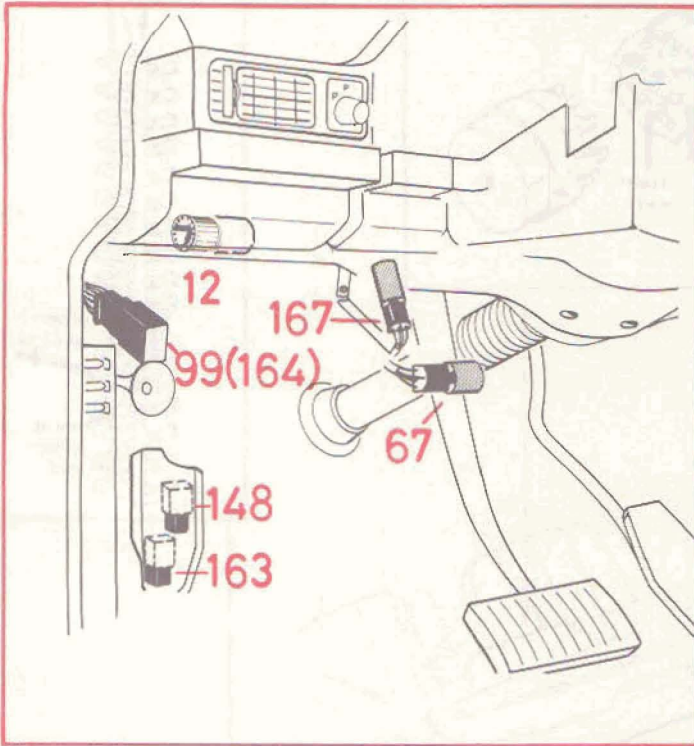


Ignition ON.  
 Thermostat switch ON.



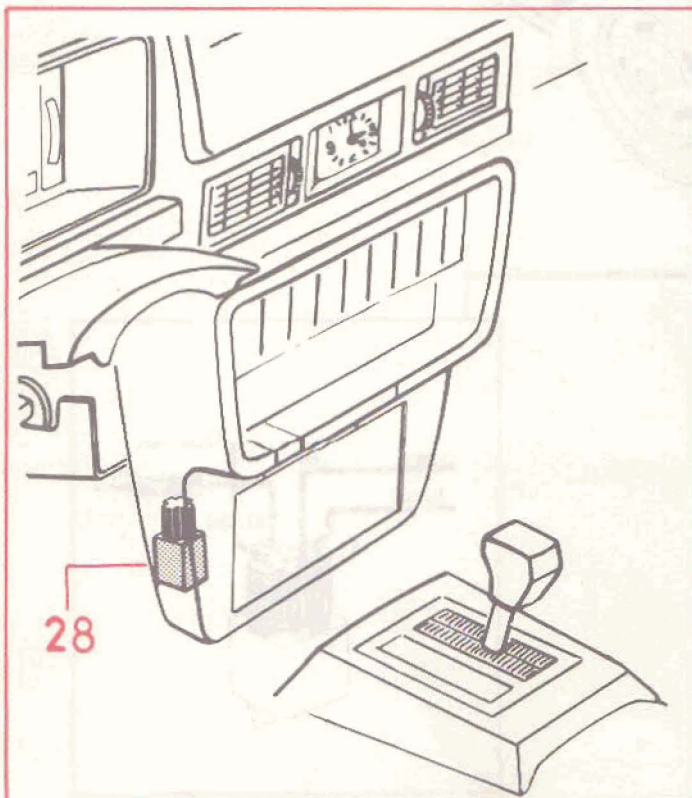


# Locations for relays, buzzers, control units, etc

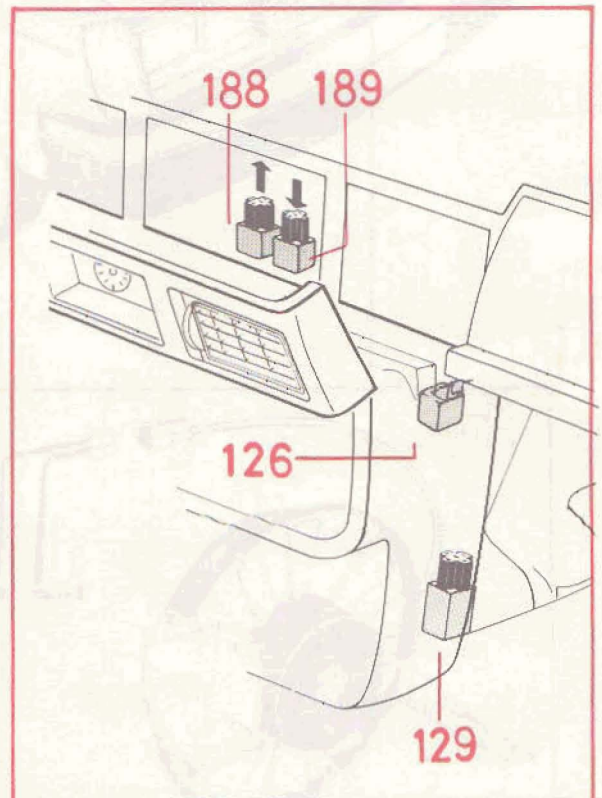


- 12 Bulb failure sensor
- 67 Key and light buzzer
- 99 Relay, fuel pump
- 148 Interval relay, window wipers
- 163 Interval relay, tail gate window wiper
- 164 Diesel, control unit
- 167 Relay, delayed interior light

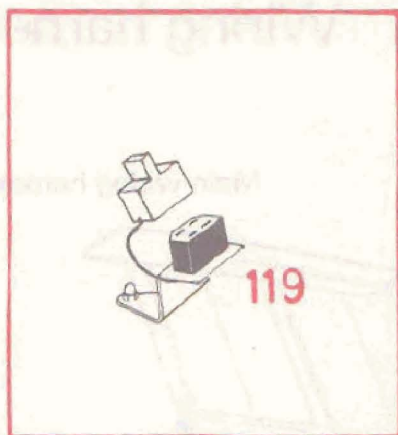
199 Governor, cruise control



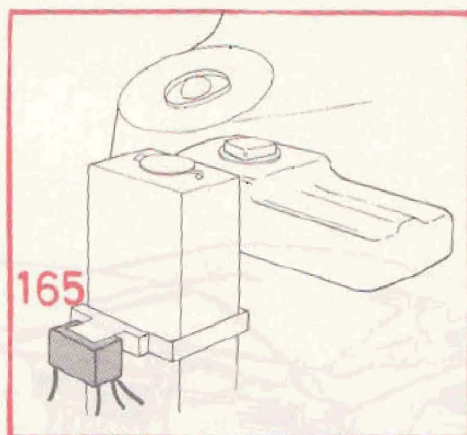
28 Flasher, turn signals



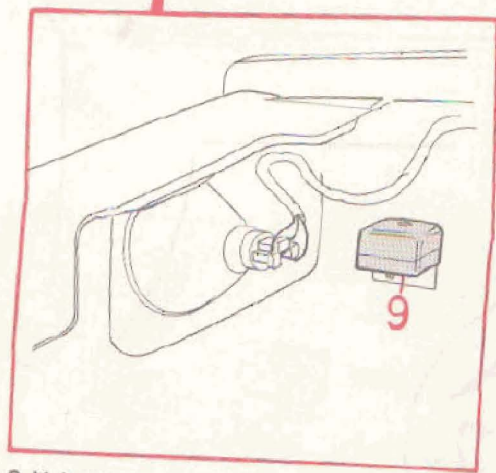
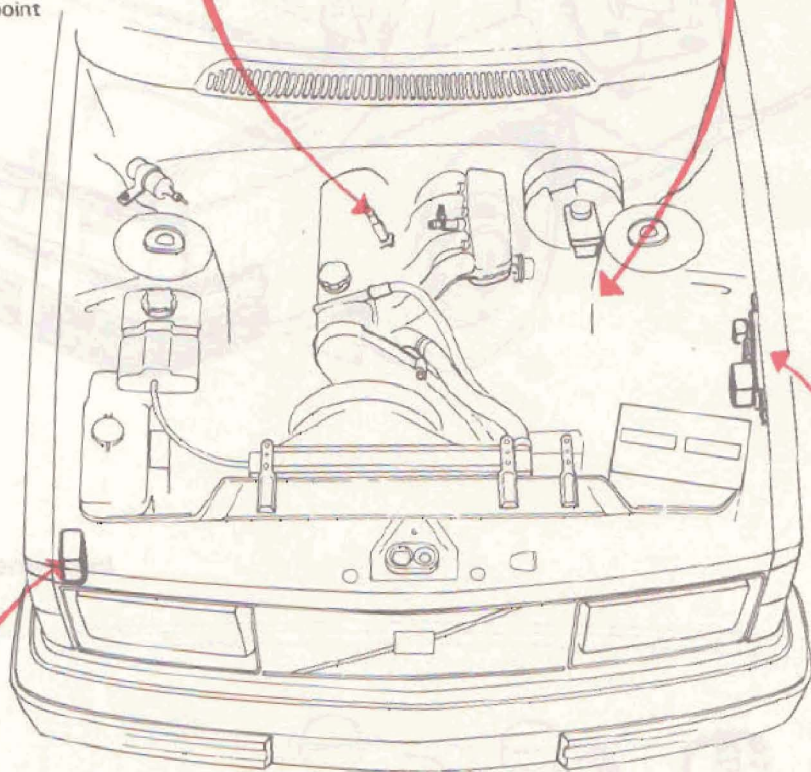
- 126 Relay, window lifts
- 129 Relay, air conditioning
- 188 Central lock, unlock relay
- 189 Central lock, lock relay



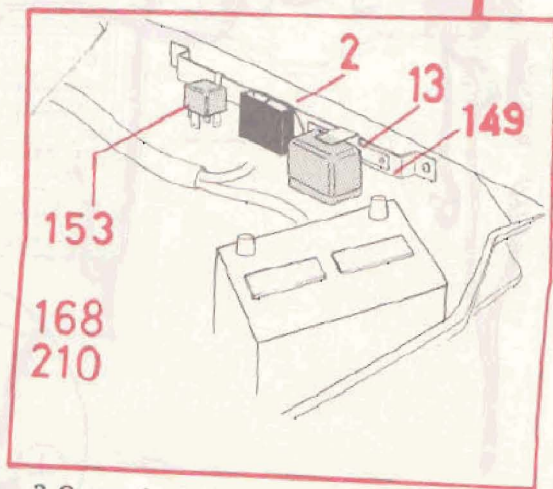
119 Test instrument pick-up point



165 Diesel: glow plug relay



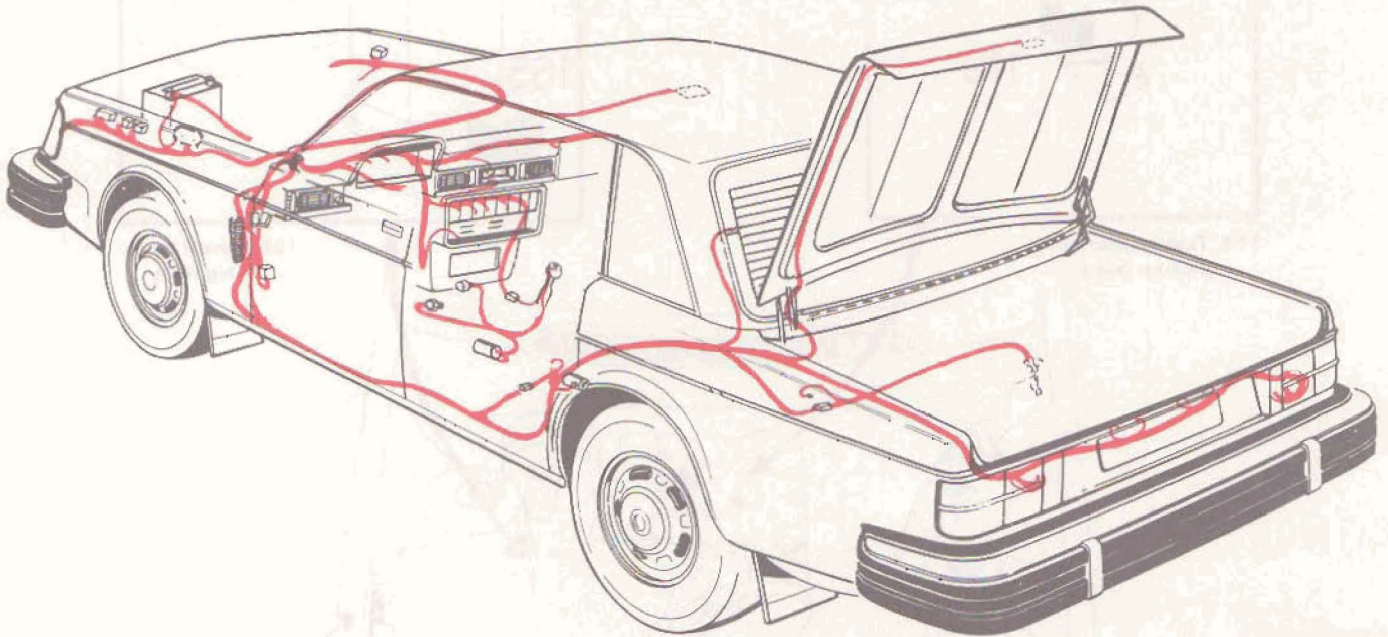
9 Voltage regulator



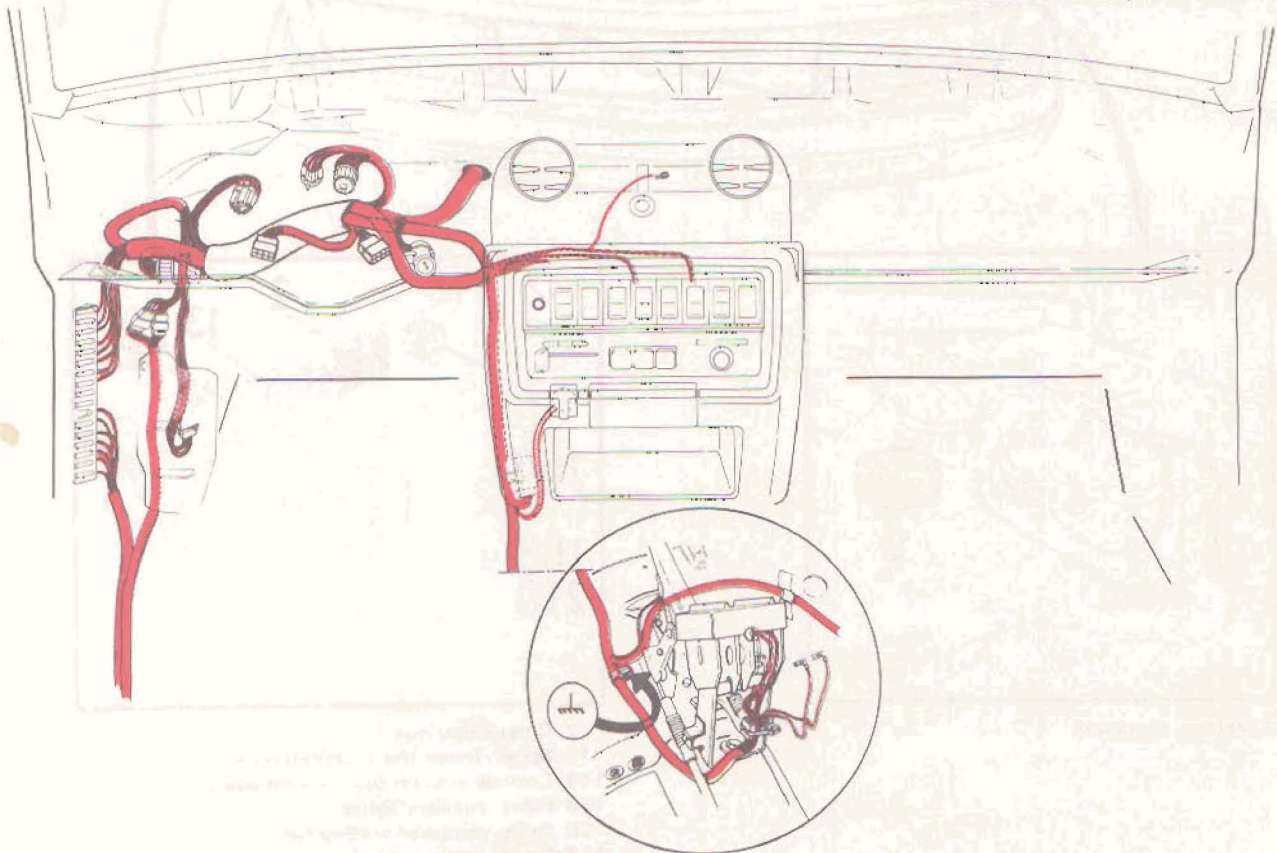
- 2 Connection box
- 13 Upper/lower beam switch relay
- 149 Lambda system test pick-up point
- 153 Relay, auxiliary lights
- 168 Relay, electrical cooling fan
- 210 Diesel, relay, control unit

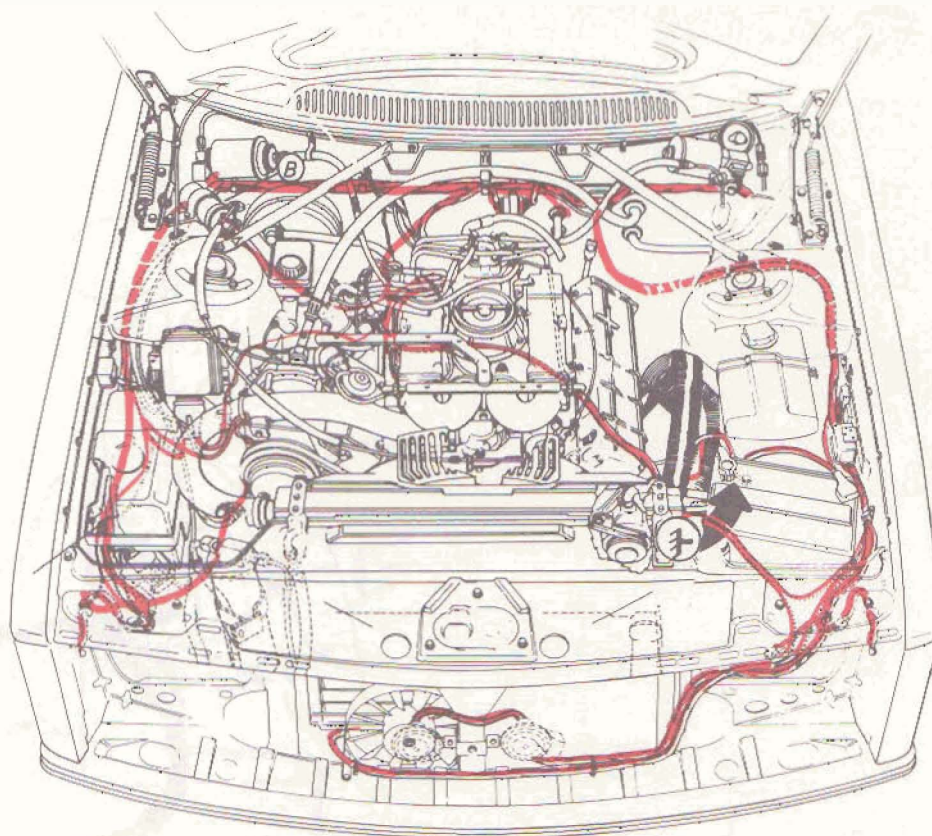
# Wiring harnesses

Main wiring harness

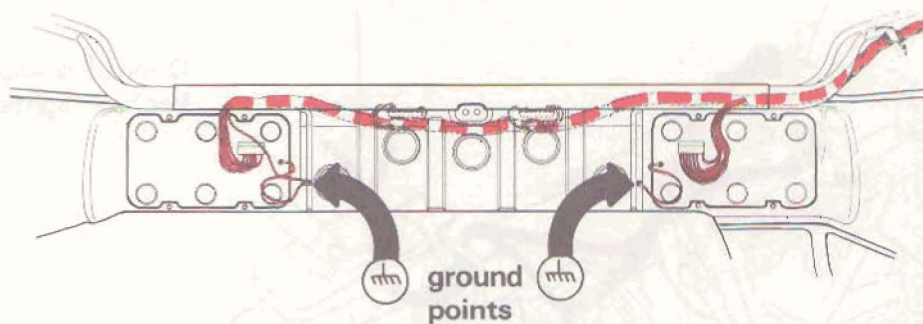


Instruments, controls



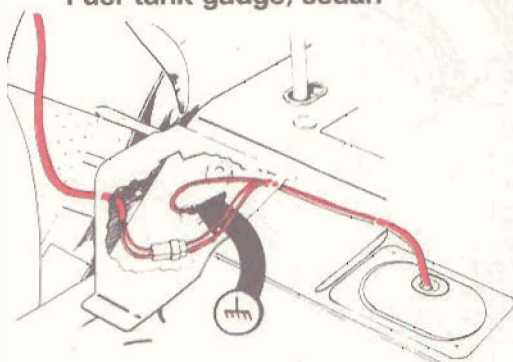


Engine compartment

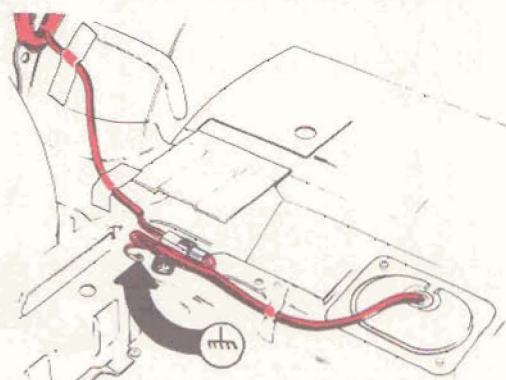


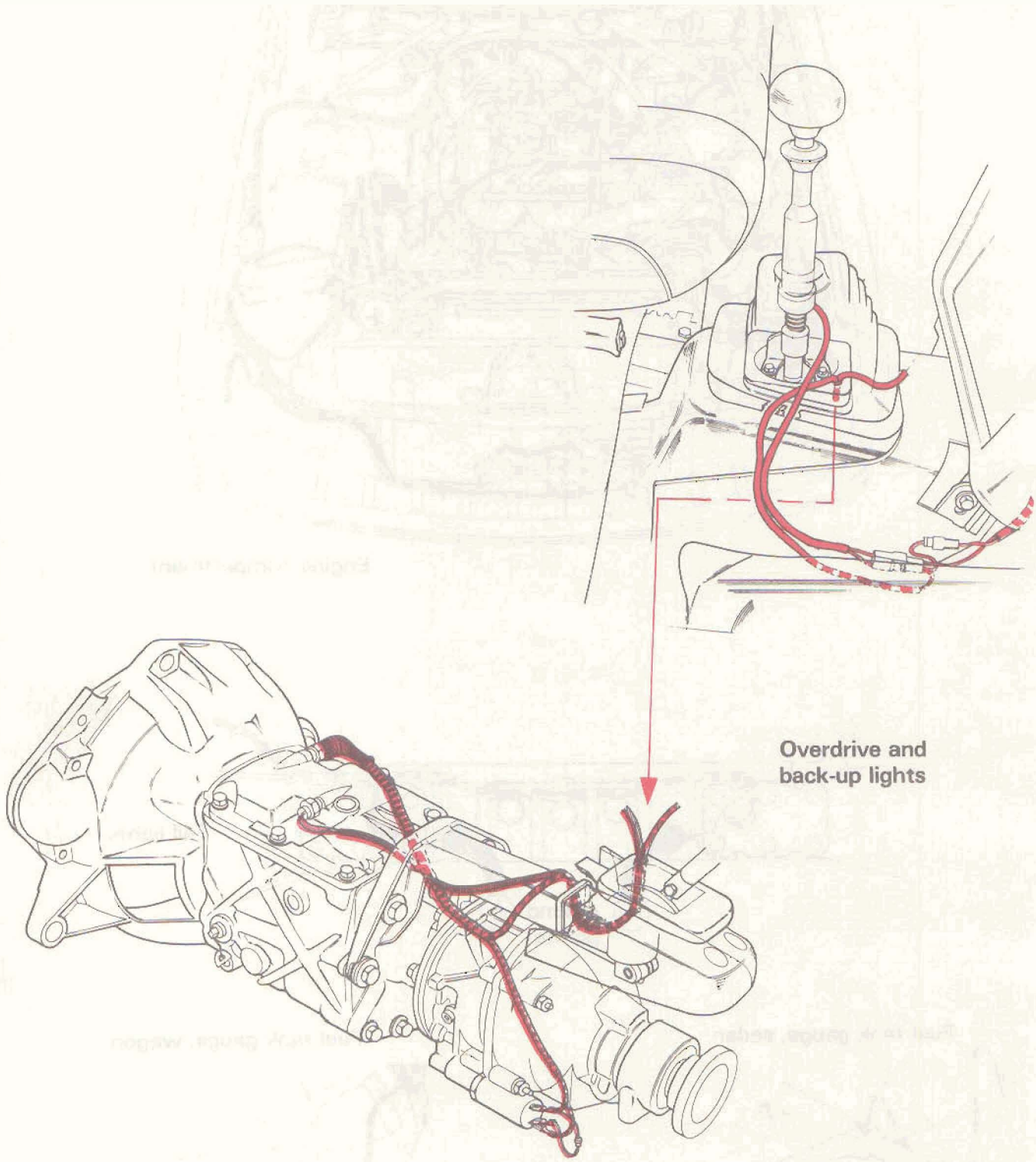
Tail lights

Fuel tank gauge, sedan

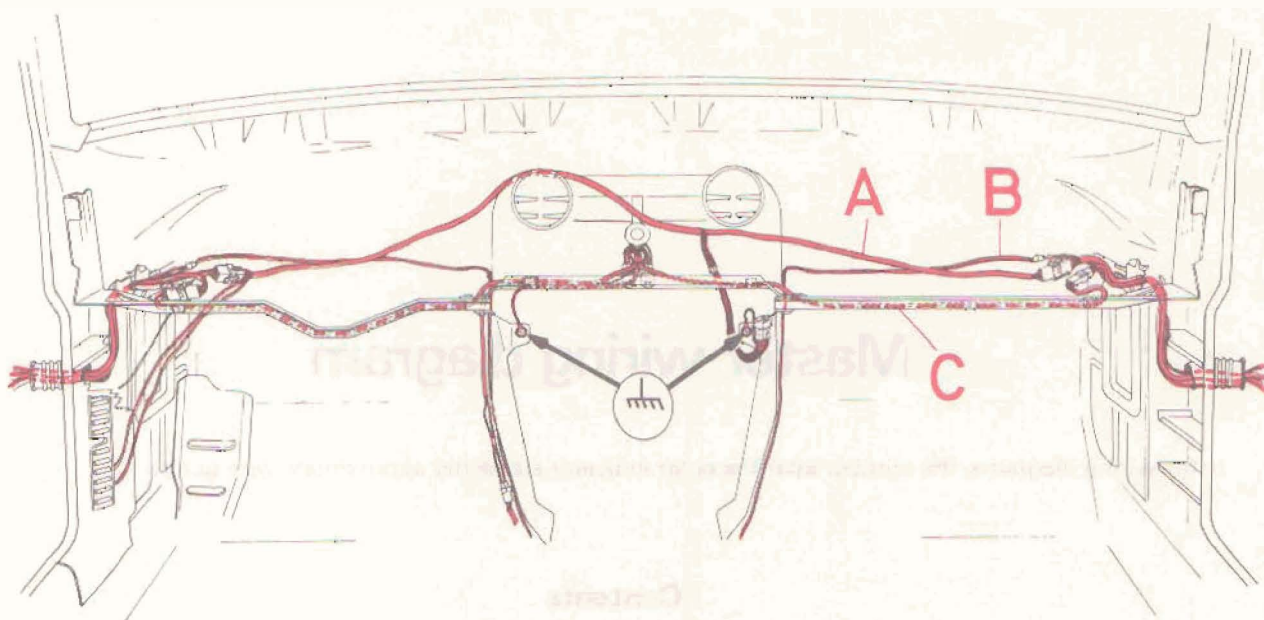


Fuel tank gauge, wagon

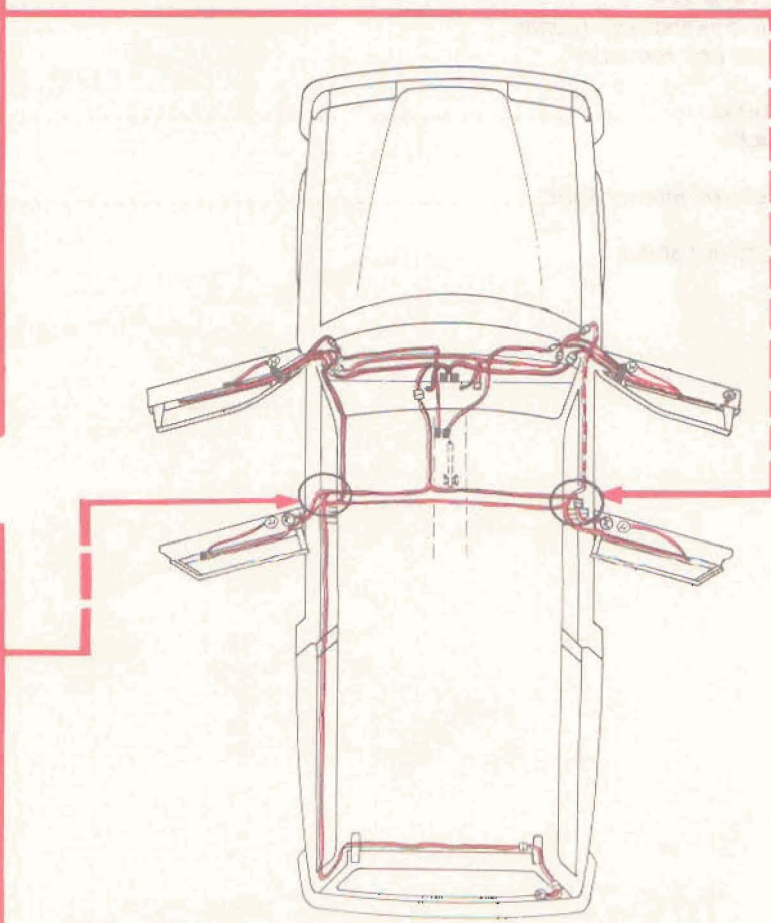
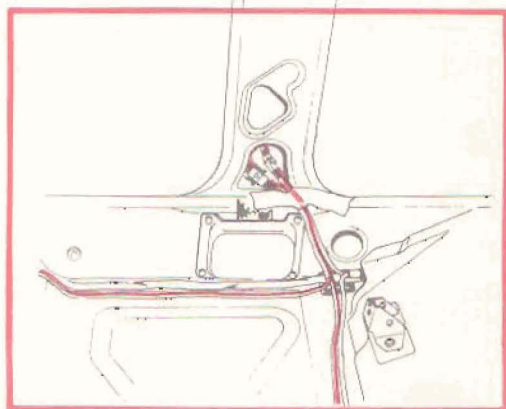
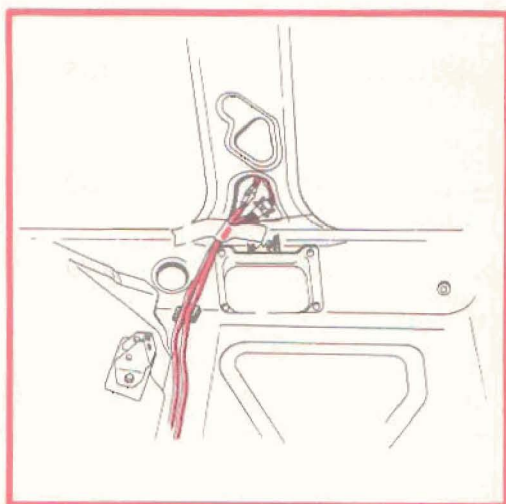




Overdrive and  
back-up lights



- A Window lifts
- B Electrically operated side mirrors
- C Central locks





# Master wiring diagram

In the wiring diagrams, the number after the color indicator states the approximate wire gauge.

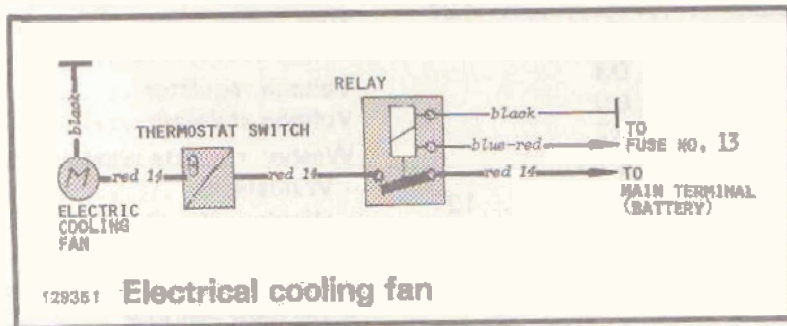
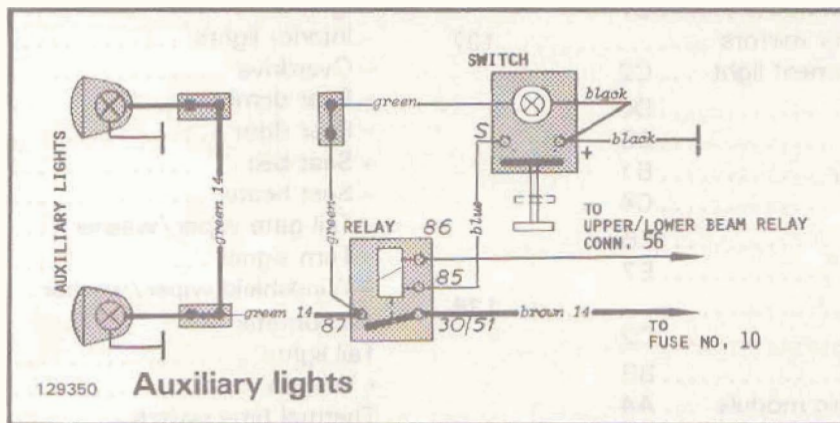
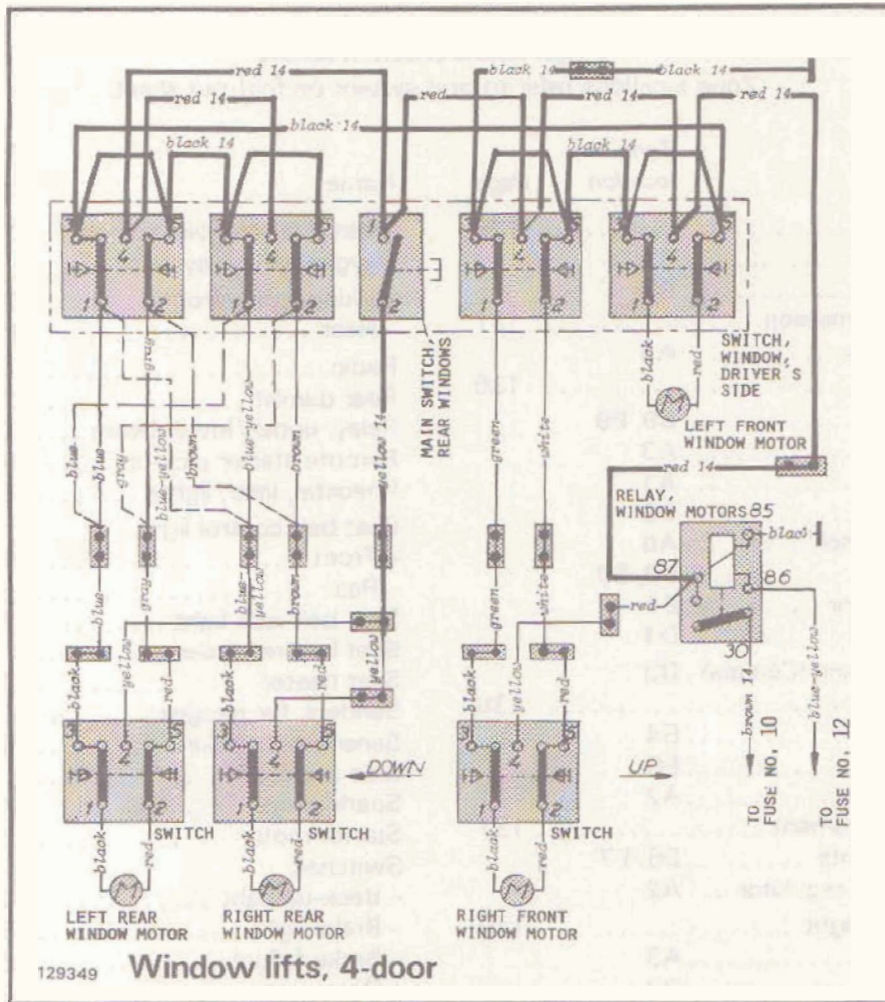
## Contents

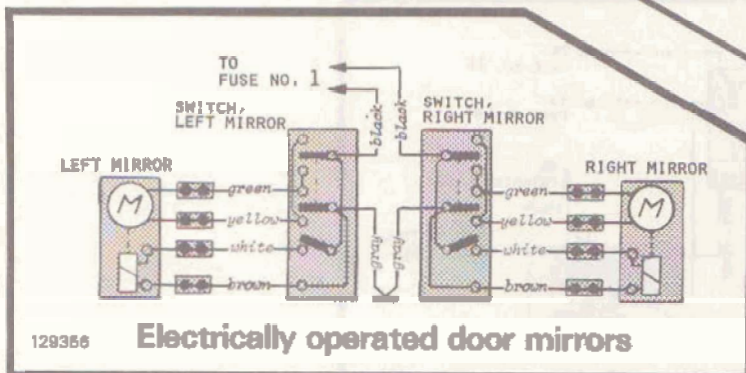
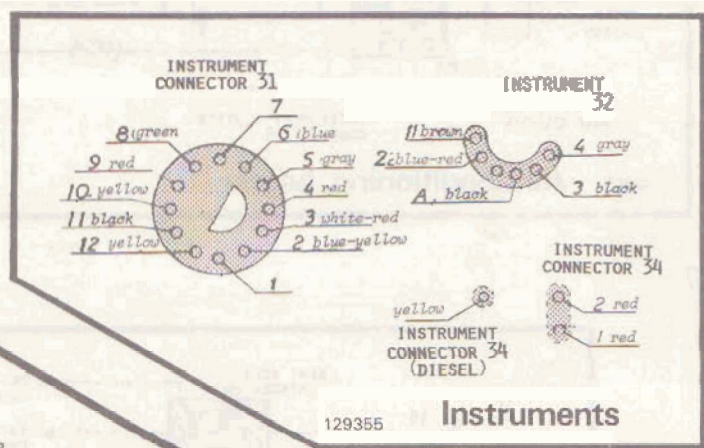
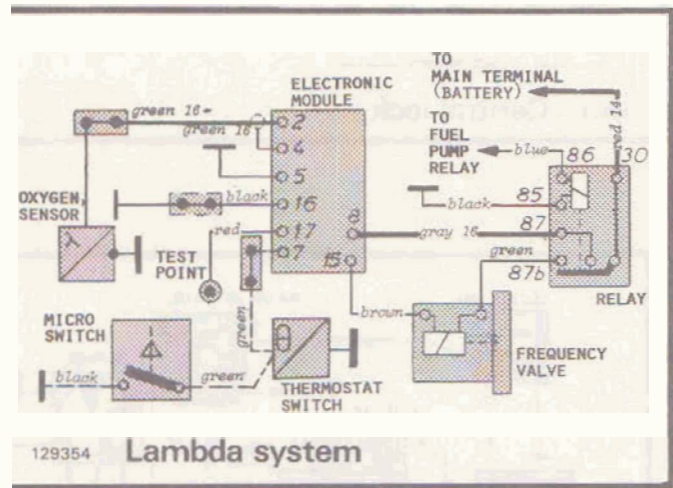
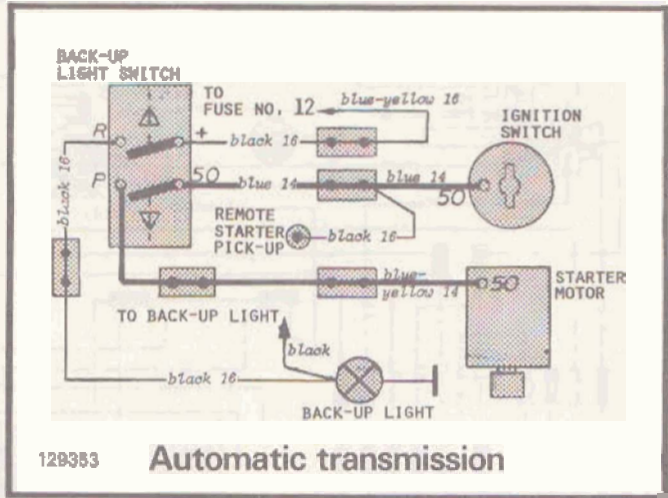
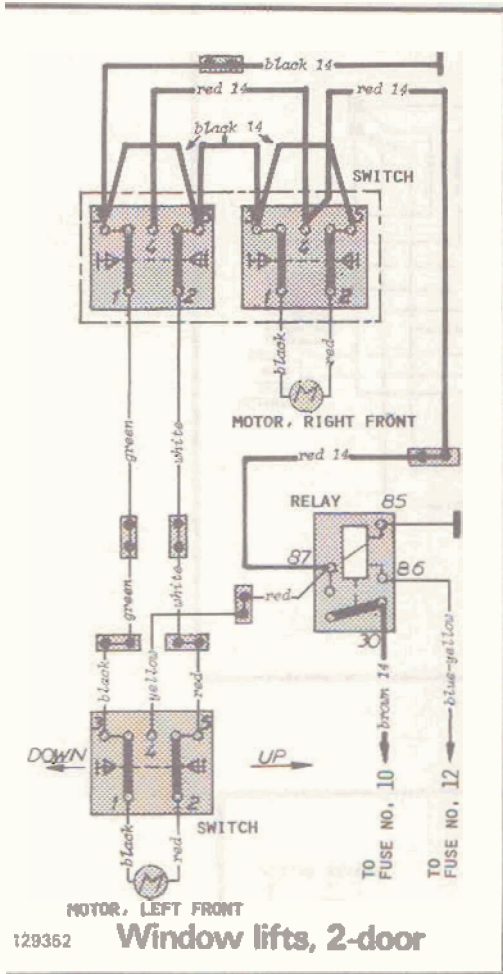
<i>Window lifts, 4-door</i> .....	<i>Page</i> <b>136</b>
<i>Auxiliary lights</i>	
<i>Electrical cooling fan</i>	
<i>Window lifts, 2-door</i> .....	<b>137</b>
<i>Automatic transmission</i>	
<i>Lambda system</i>	
<i>Instrument connectors</i>	
<i>Electrically operated door mirrors</i>	
<i>Central lock</i> .....	<b>138</b>
<i>Air conditioning, heater</i>	
<i>Seat belt reminder</i>	
<i>Coupe</i> .....	<b>139</b>
<i>Radio</i>	
<i>Delayed interior light</i> .....	<b>140</b>
<i>Fold-out sheet</i>	

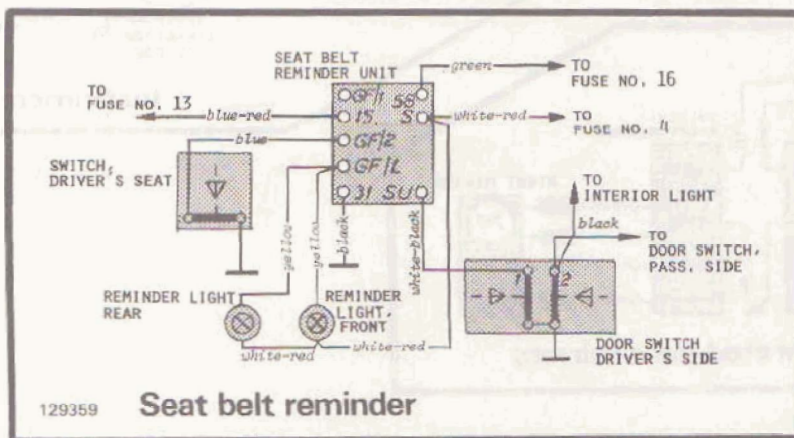
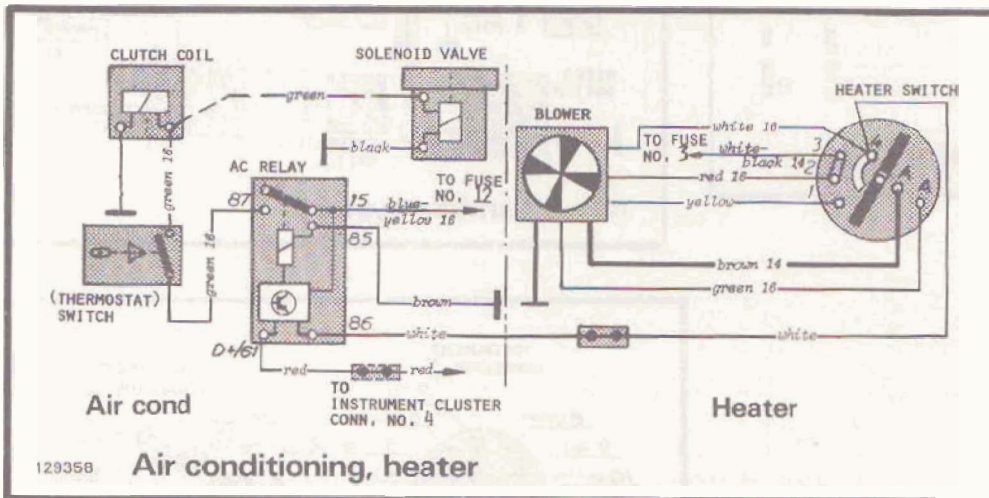
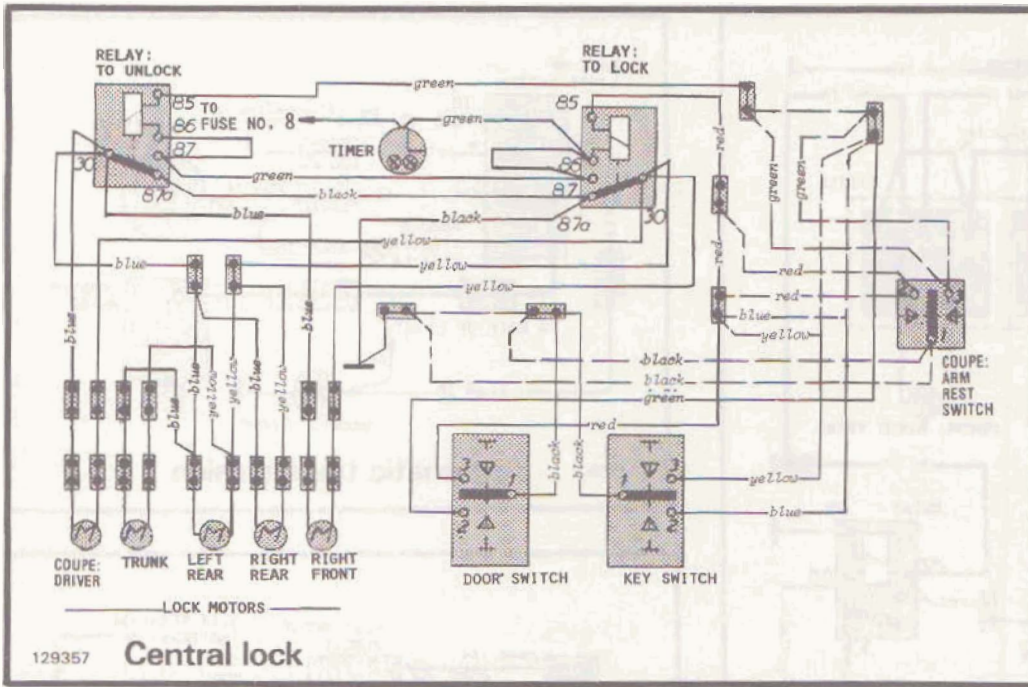
## Alphabetical index

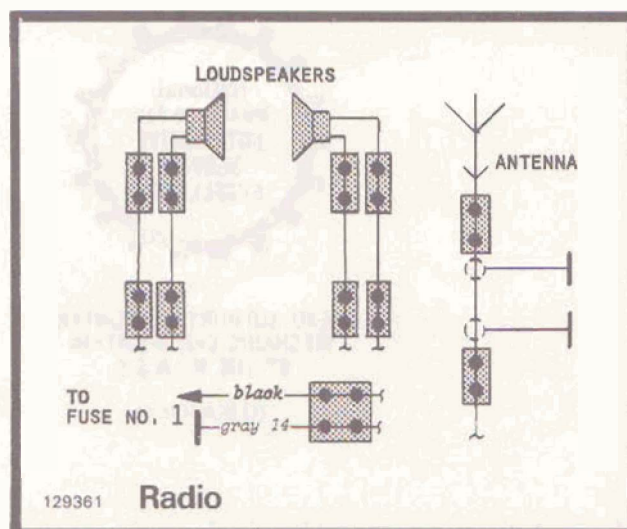
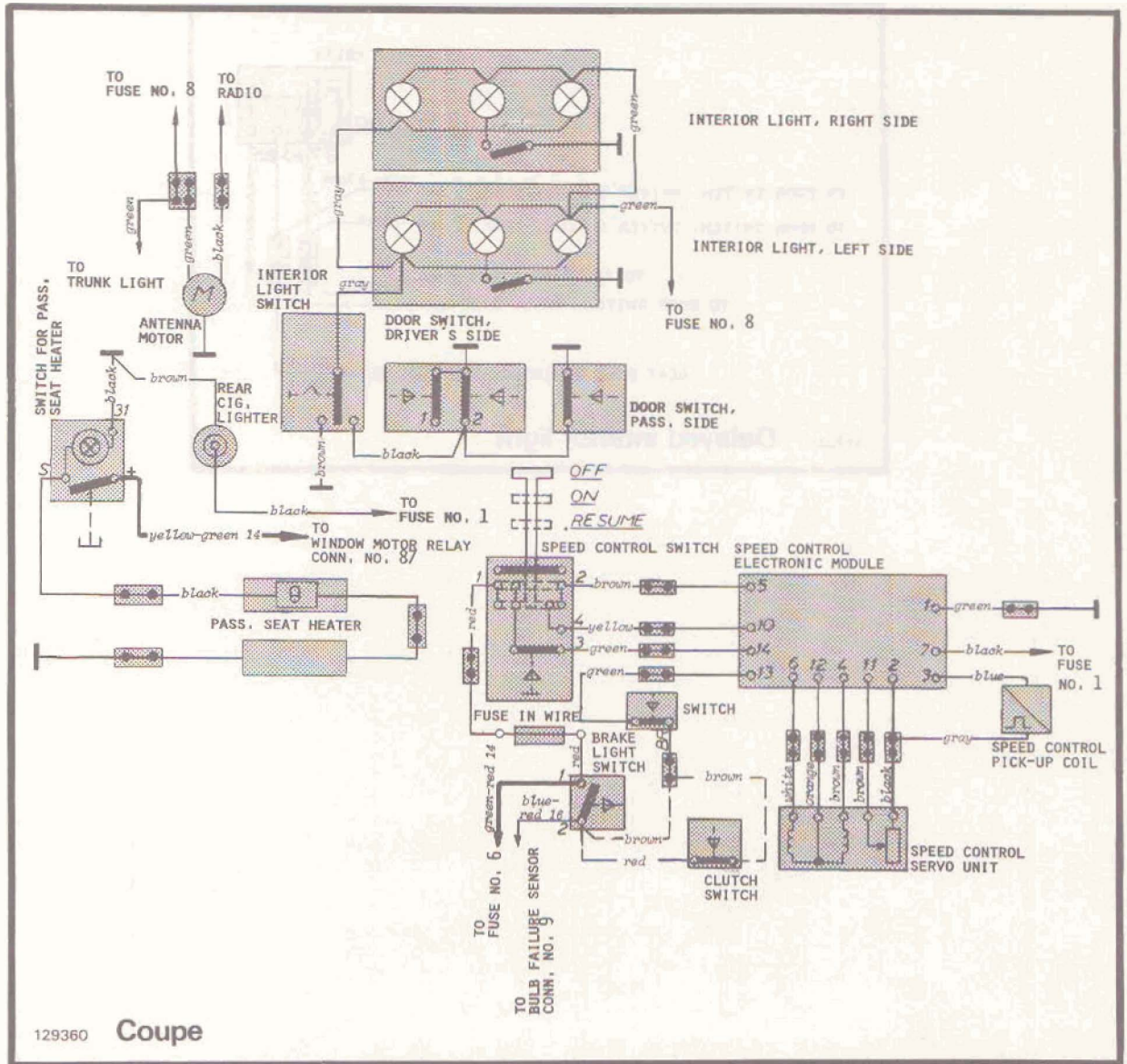
Zone locations refer to grid system on fold-out sheet.

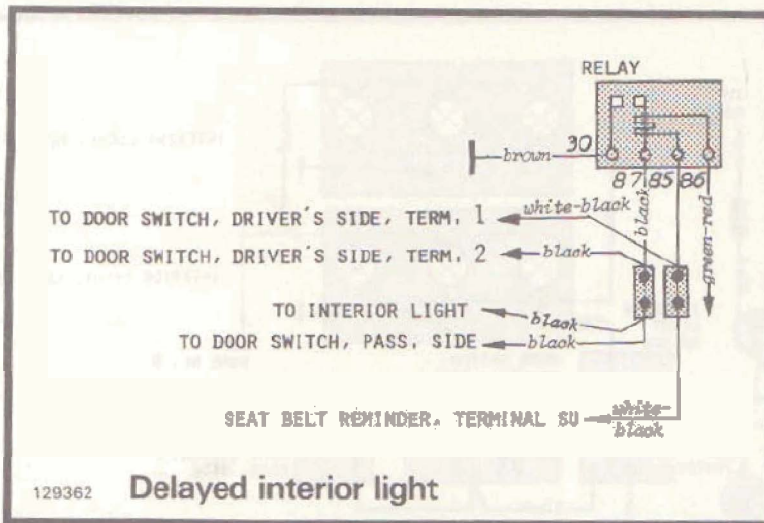
Name	Zone location	Page	Name	Zone location	Page
AC system		138	Overdrive solenoid, switch	C7	
Alternator	B1		Oxygen sensor system		137
Ash tray light	B8		Parking lights, front	C1, E1	
Automatic transmission		137	– Rear	B9, E9	
Auxiliary air valve	A3		Radio		139
Auxiliary lights		136	Rear demist	C7	
Back-up lights	B9, E9		Relay, upper/lower beam	E3	
Ballast resistor	A3		Remote starter pick-up	B4	
Battery	A1		Rheostat, instr, lights	E5	
Blower	D2		Seat belt control light:		
Brake failure switch	A6		– Front	B6	
Brake lights	B9, E9		– Rear	B6	
Bulb failure sensor	E4		Seat belt lock light	B8	
Buzzer	D4		Seat belt reminder		138
Carburetor solenoid (Canada)	D3		Seat heater	C7	
Central lock		138	Senders, for gauges	A5/A6	
Cigarette lighter	B4		Sensor, bulb failure	E4	
Clock	E6		Side mirrors		137
Cold start injector	A2		Spark plugs	A4	
Connectors, instrument		137	Starter motor	A1	
Control panel lights	E6/E7		Switches:		
Control pressure regulator	A2		– Back-up light	D7	
Delayed interior light		140	– Brake light	E5	
Distributor	A3		– Brake failure	A6	
Door switches	D3		– Door	D2	
Electrical cooling fan		136	– Hazard warning	D7	
El. heated rear window	C7		– Ignition	C4	
El. operated door mirrors		137	– Interior lights	D2	
Engine compartment light	C2		– Overdrive	C7	
Flasher unit	D6		– Rear demist	C7	
Fuel gauge	B8		– Rear door	D9	
Fuel pump relay	B1		– Seat belt	A6, B7	
Fuse box	C4		– Seat heater	C7	
Gear shift light	E6		– Tail gate wiper/washer	B10	
Glove box light	E7		– Turn signal	D7	
Heater system		138	– Windshield wiper/washer	A8	
Horns	C2		Tachometer		
Ignition coil	B3		Tail lights	B9, E9	
Ignition electronic module	A4		– Wagon	B9, E10	
Indicator lights	A5/A6		Thermal time switch	A2	
Instrument connectors		137	Trunk light	D8	
Instrument lights	E6/E7		Turn signal, front	C1, E1	
Interior light	D3		– Rear	B9, E9	
Interior light, wagon	D9		Voltage regulator	B1	
Interval relay, wiper	A7		Voltage stabilizer	B6	
– Tail gate window wiper	C10		Washer, tail gate window	C10	
Lambda system		137	– Windshield	A9	
License plate light	C9		– Window lifts, 2-door		137
Light switch	E2		– 4-door		136
Mirrors		137	Wiper motor, tail gate window		
			– Tail gate window	B9	
			– Windshield	A8	











VOLVO SUPPORTS VOLUNTARY  
MECHANIC CERTIFICATION  
BY THE N.I.A.S.E.

(U.S.A. Only)

# Index

	DL, GL GT	GLE Coupe	Wagon
Air conditioning .....	98	98	98
Alternator	6	6	6
Antenna	124	124	124
Back-up lights .....	40, 46	42, 48	44, 50
Brake failure warning system	74	74	74
Brake lights	34	36	38
Bulb failure warning system	72	72	72
Buzzer, key and light warning	78	78	78
Central lock .....	112	112, 116	112, 116
CI fuel injection system	12	14	12, 14
Cigarette lighter	70	70	70
Clock	68	68	68
Cruise control	120	120	120
Delayed interior light .....	-	56	-
Demist	100	100	100
Engine compartment light .....	60	60	60
Electrically operated side mirrors	106	106	106
Electric cooling fan	126	126	126
Fuel injection system .....	12	14	12, 14
Glove box light .....	62	62	62
Hazard warning flashers .....	80	80	80
Heater blower	96	96	96
Horn	84	84	84
Ignition system .....	20, 22	24	22, 24
Ignition key and light warning buzzer	78	78	78
Instruments	66	66	66
Instruments lights	64	64	64
Interior light	52	54, 56	58
Lambda sond .....	16	18	16, 18
License plate lights	28	30	32
Light warning buzzer	78	78	78
Master wiring diagram .....	134	134	134
Mirrors, el. operated	106	106	106
Overdrive .....	94	94	94
Oxygen sensor feedback system	16	18	16, 18
Parking lights .....	28	30	32
Radio .....	124	124	124
Rear demist	100	100	100
Rear interior light	58	58	58
Seat belt warning system .....	76	76	76
Seat heaters	102	102, 104	102
Starting circuits	8	8	8
Tail gate window wiper and washer .....	-	-	90, 92
Tail lights	28	30	32
Trunk lights	60	60	60
Turn signals and hazard warning flashers	80	80	82
Window lifts, 2-door .....	108	108	-
4-door	110	110	110
Windshield wiper and washer	86	86	86