

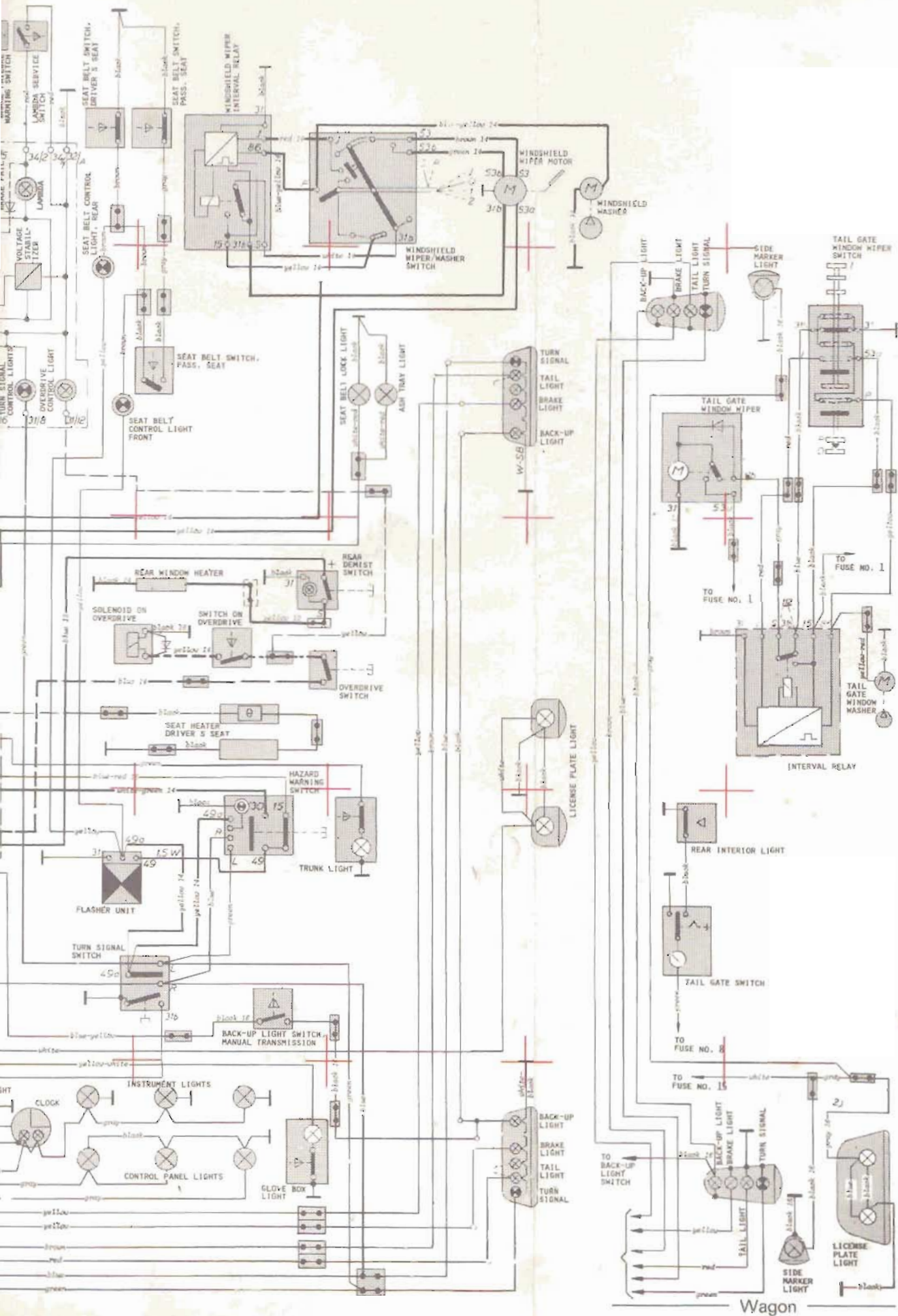
Wiring Diagrams 1980

Section	Group
3	39

Wiring Diagrams

1980 Models

VOLVO



A

B

C

D

E

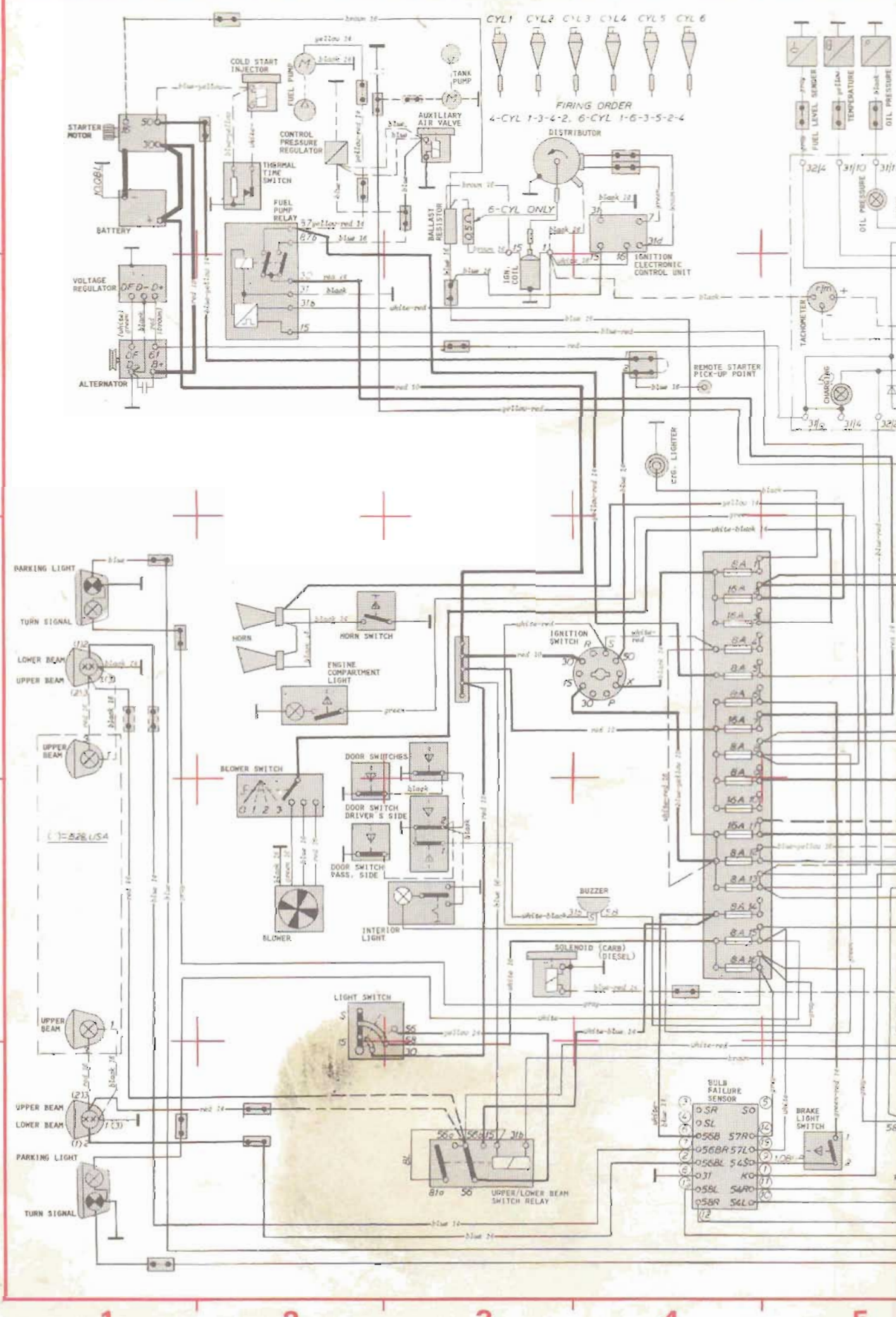
A

B

C

D

E



Contents

NOTE:

Diesel circuitry is generally $\approx$ GLE

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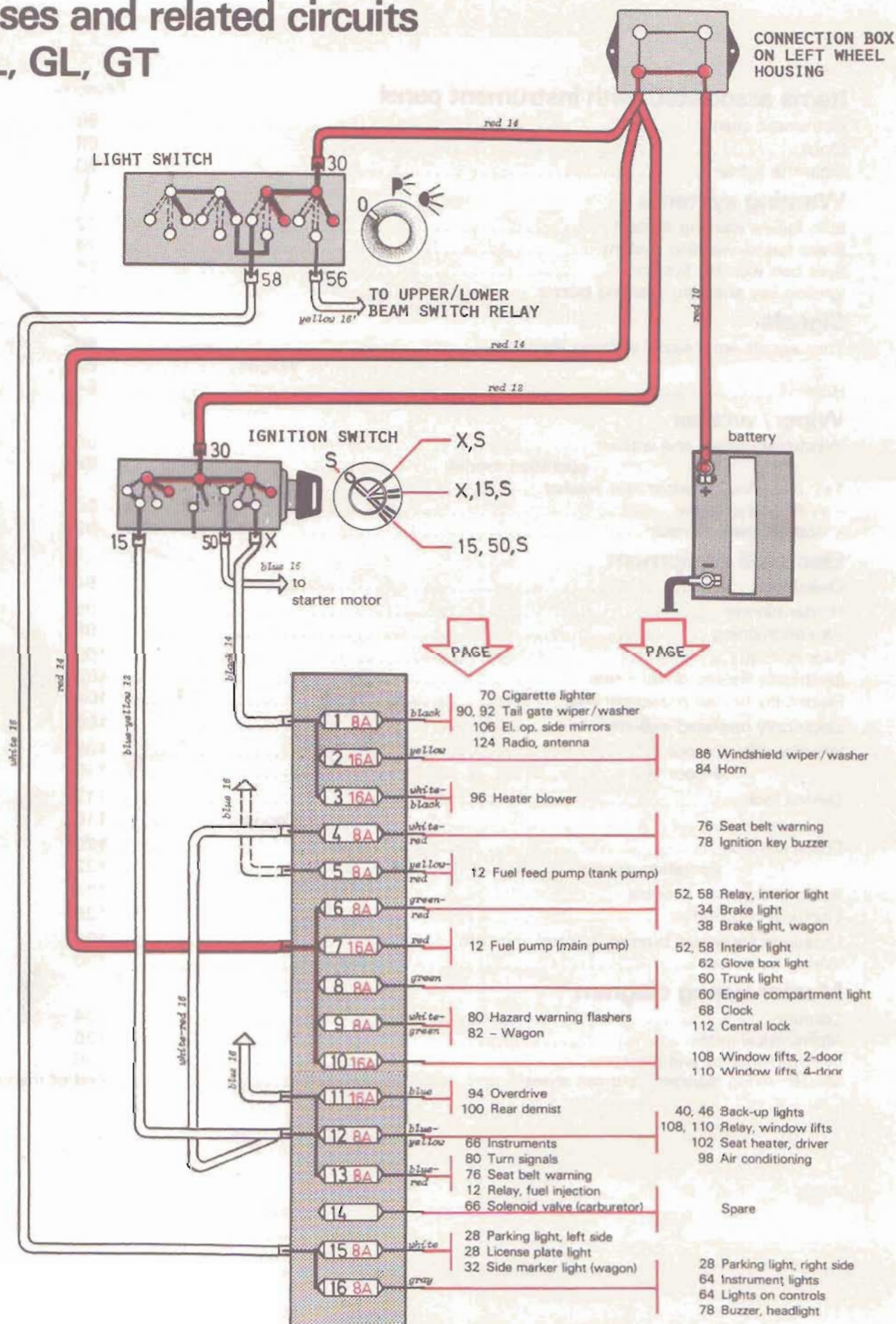
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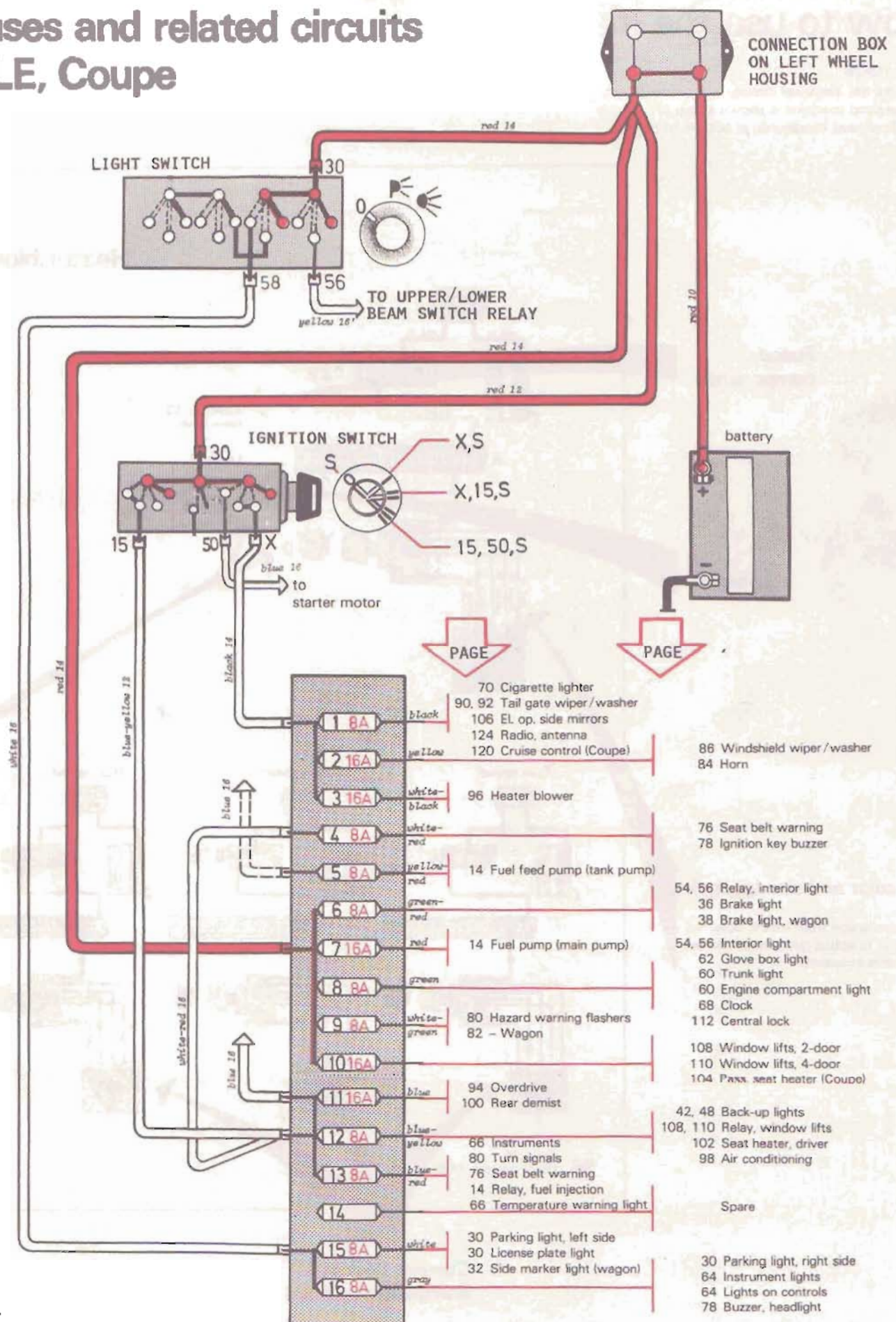
Master wiring diagram

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Master wiring diagram, fold-out sheet	End of manual

Fuses and related circuits DL, GL, GT



Fuses and related circuits GLE, Coupe



How to use the diagrams

Left page

Illustrates the electrical circuit.

De-energized condition is shown at top of

page. Energized condition(s) at bottom of page.

Fused components

Legend

Wire color and size (gauge).

Note:

Where conversion from metric does not correspond to actual gauge size, nearest gauge size is indicated.

Heater blower

Heater blower

Fuse No 13:
Heater blower

Legend:

A Fuse box
B Ignition switch
C Blower motor
D Switch

Low speed

Medium speed

High speed

96 Group 39
Wiring diagrams 1980

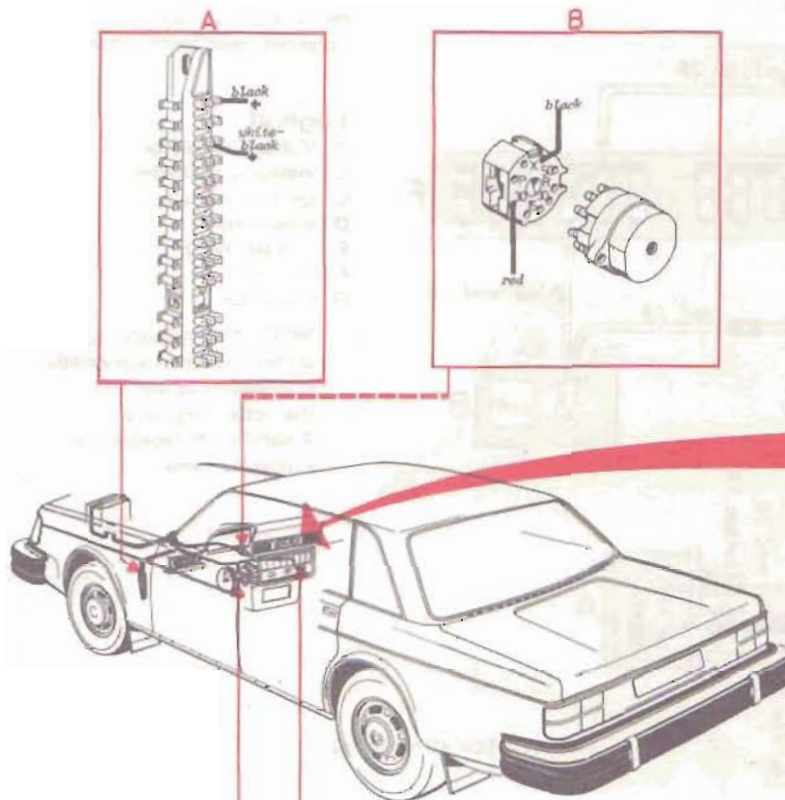
Current flow in
energized condition

How to use the diagrams

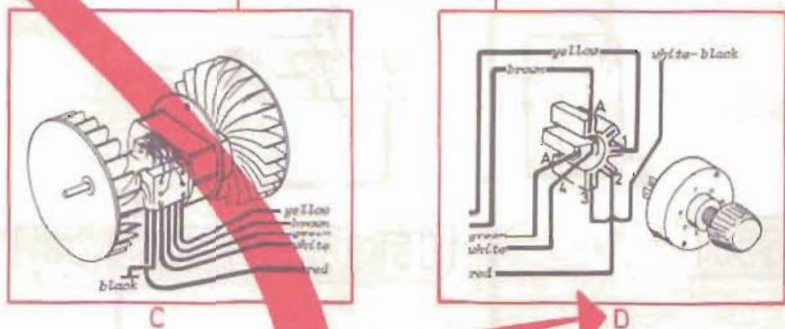
Right page

Illustrates the physical location of the components in the vehicle and the exact routing of the wiring harness. Each component is shown with terminals and connections.

Heater blower



Component location and routing of wiring harness



Component terminals and wire connections

Letters facilitate referencing components on either page

Group 39
Wiring diagrams 1980 97

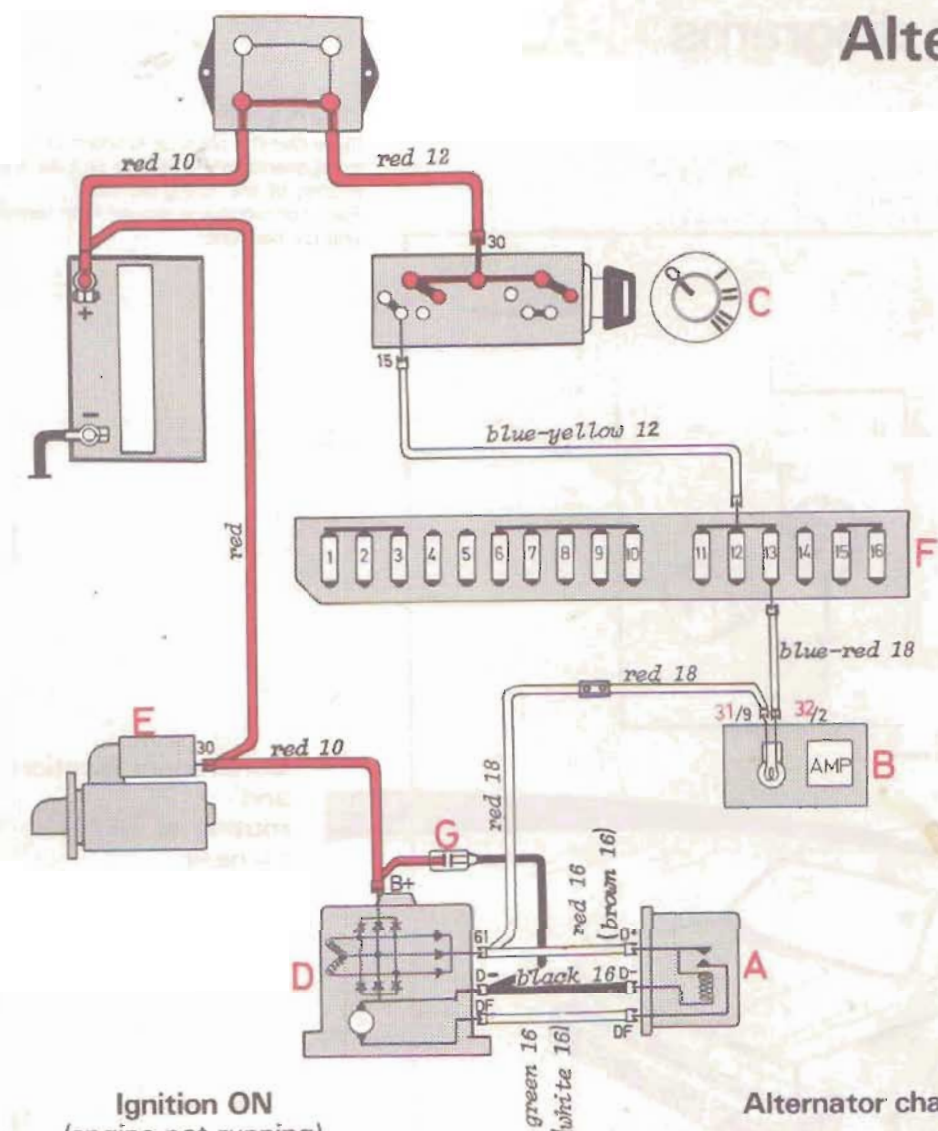
Alternator circuits

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

Legend:

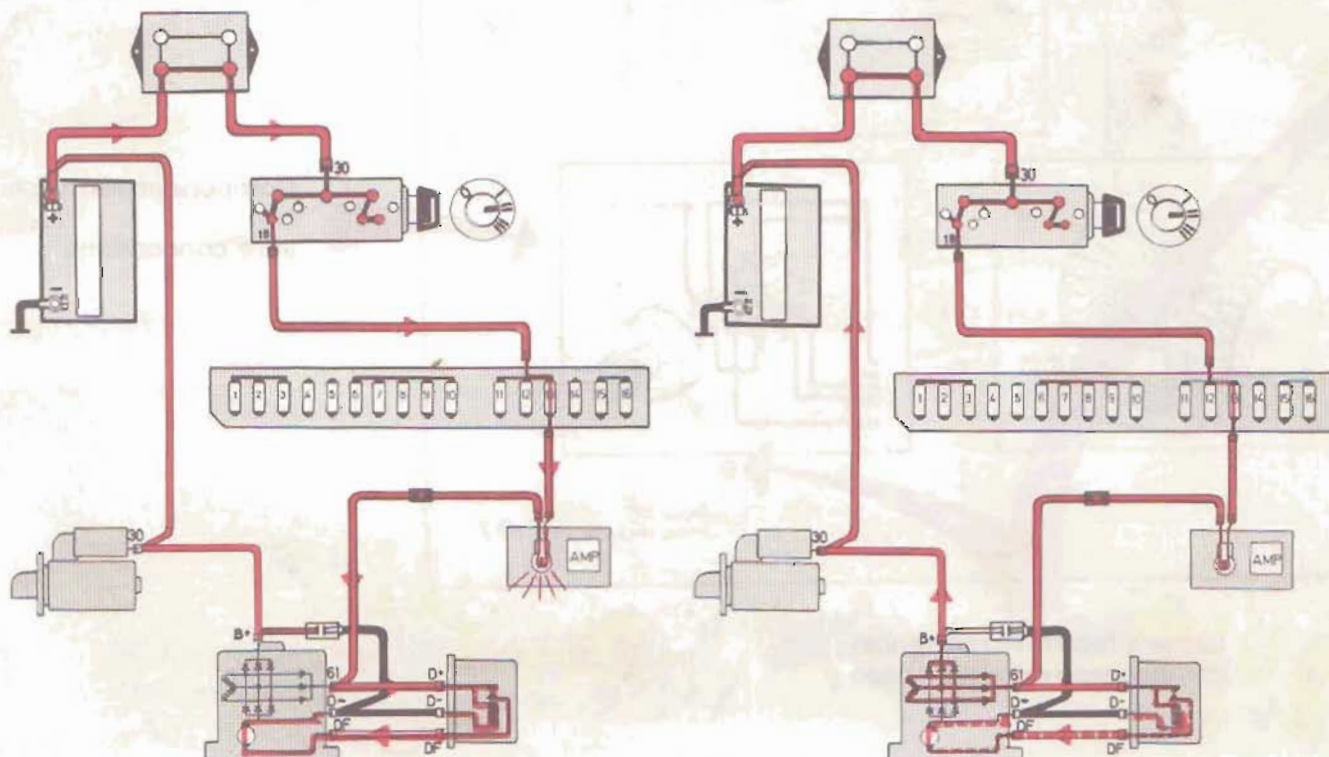
- A Voltage regulator
- B Instrument cluster
- C Ignition switch
- D Alternator
- E Starter motor
- F Fuse box
- G Capacitor

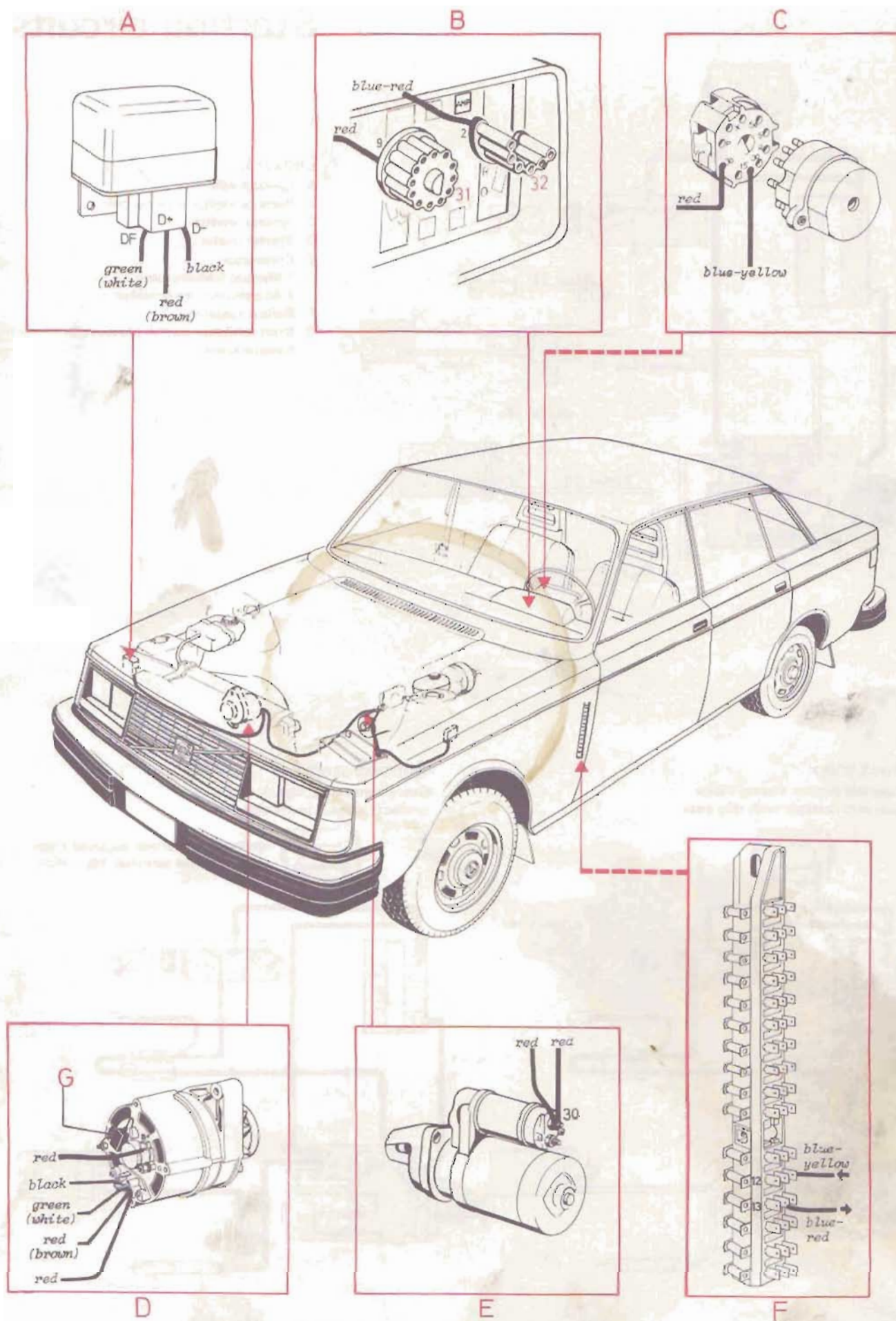
NOTE: The voltage regulator shown in schematic is symbolic of and not the actual regulator. A solid state regulator is presently used.



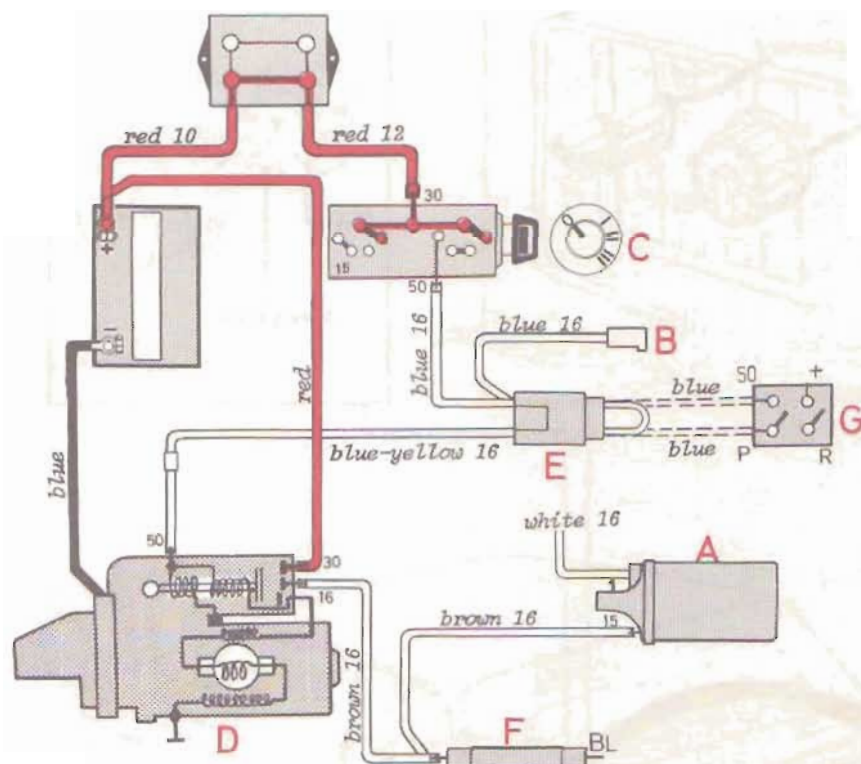
Ignition ON
(engine not running)

Alternator charging





Starting circuits



Legend:

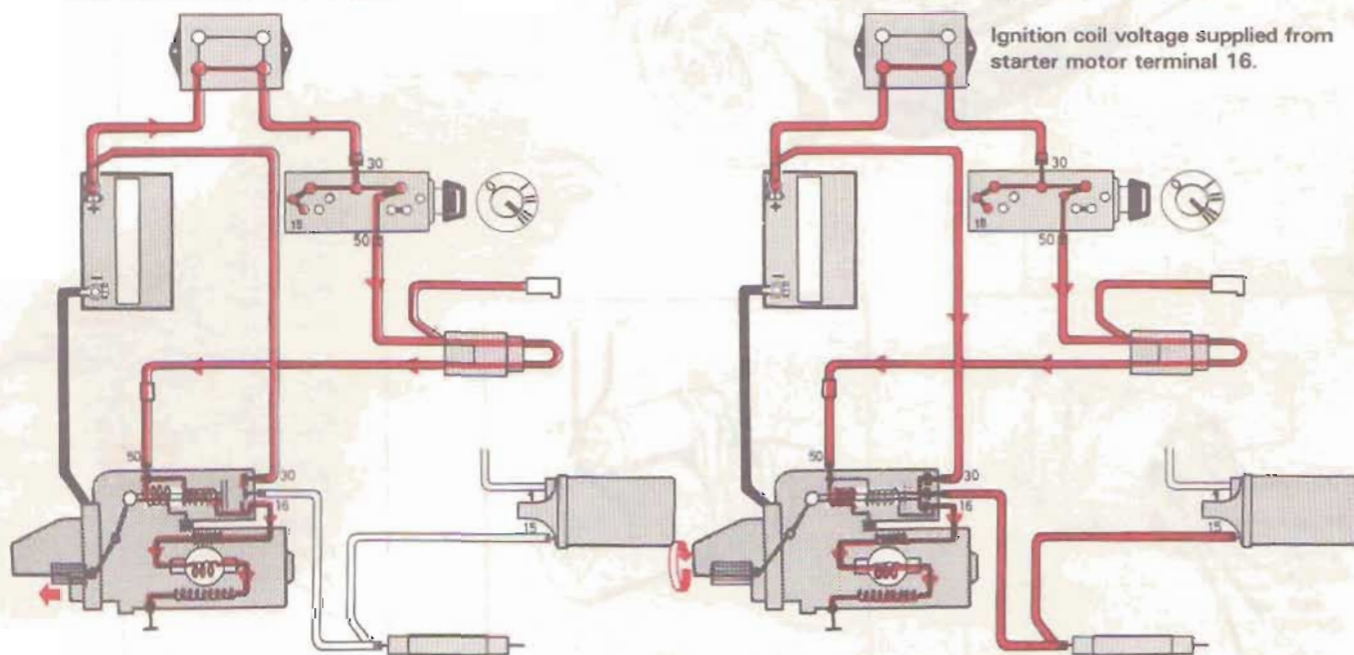
- A Ignition coil
- B Remote starter pick-up point
- C Ignition switch
- D Starter motor
- E Connector
- 1 Manual transmission
- 2 Automatic transmission
- F Ballast resistor
- G Start inhibitor switch (automatic transmission)

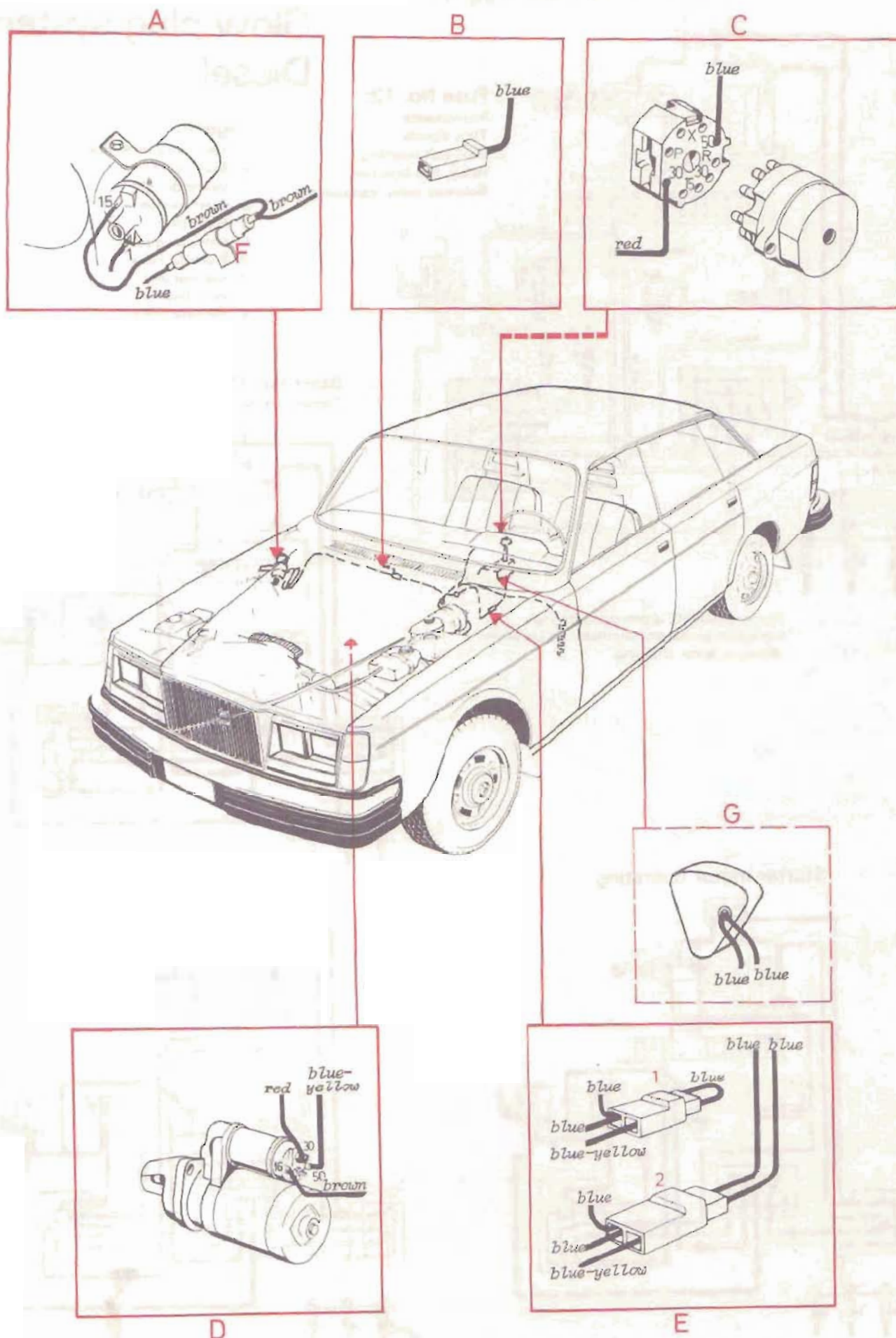
First step:

Solenoid pushes starter motor gear into contact with ring gear.

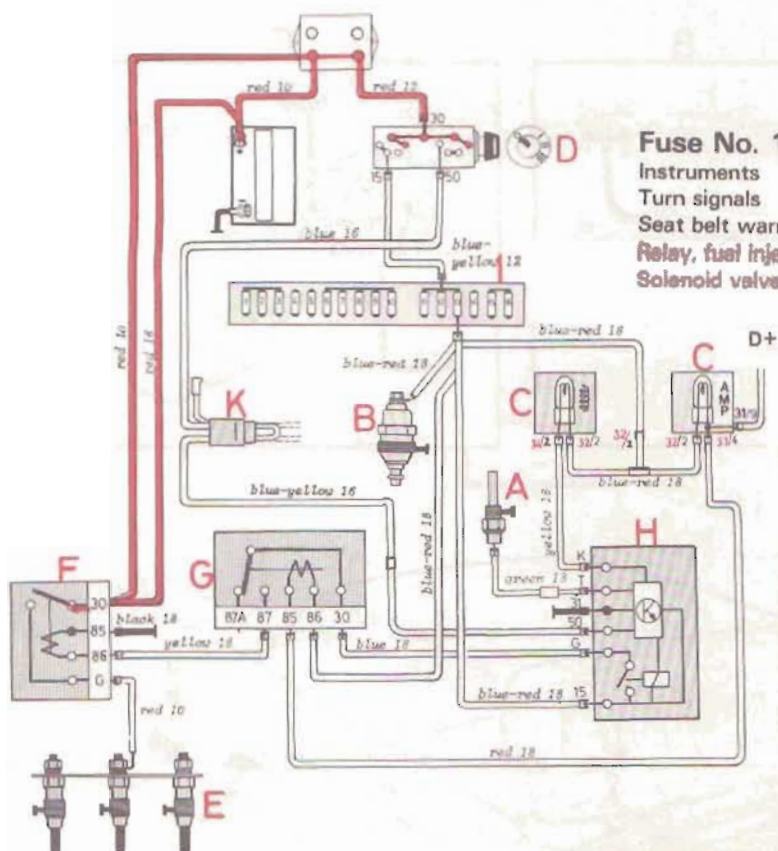
Second step:

Gears connected, starter motor contacts close, starter operates.

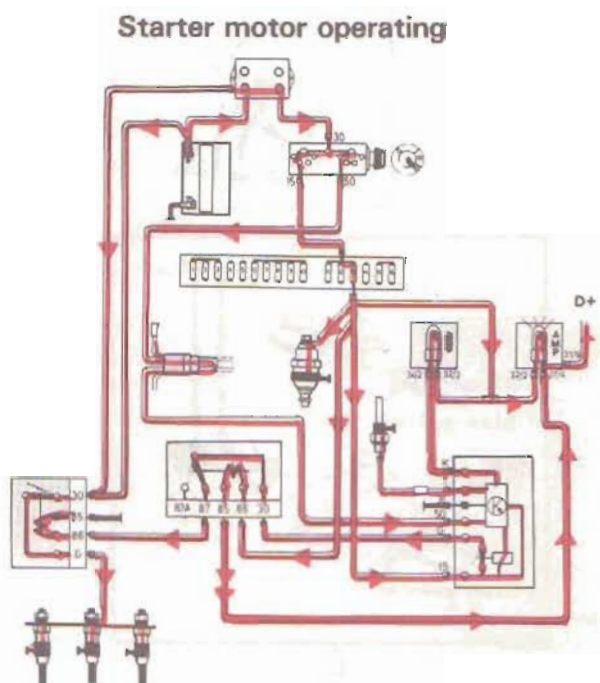
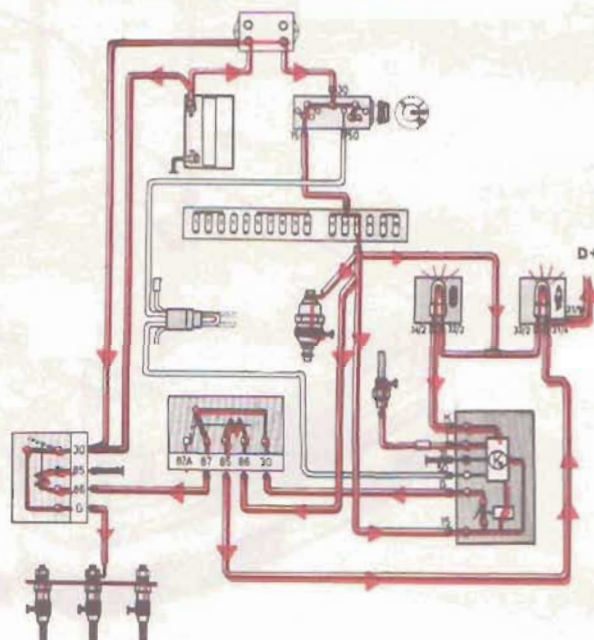


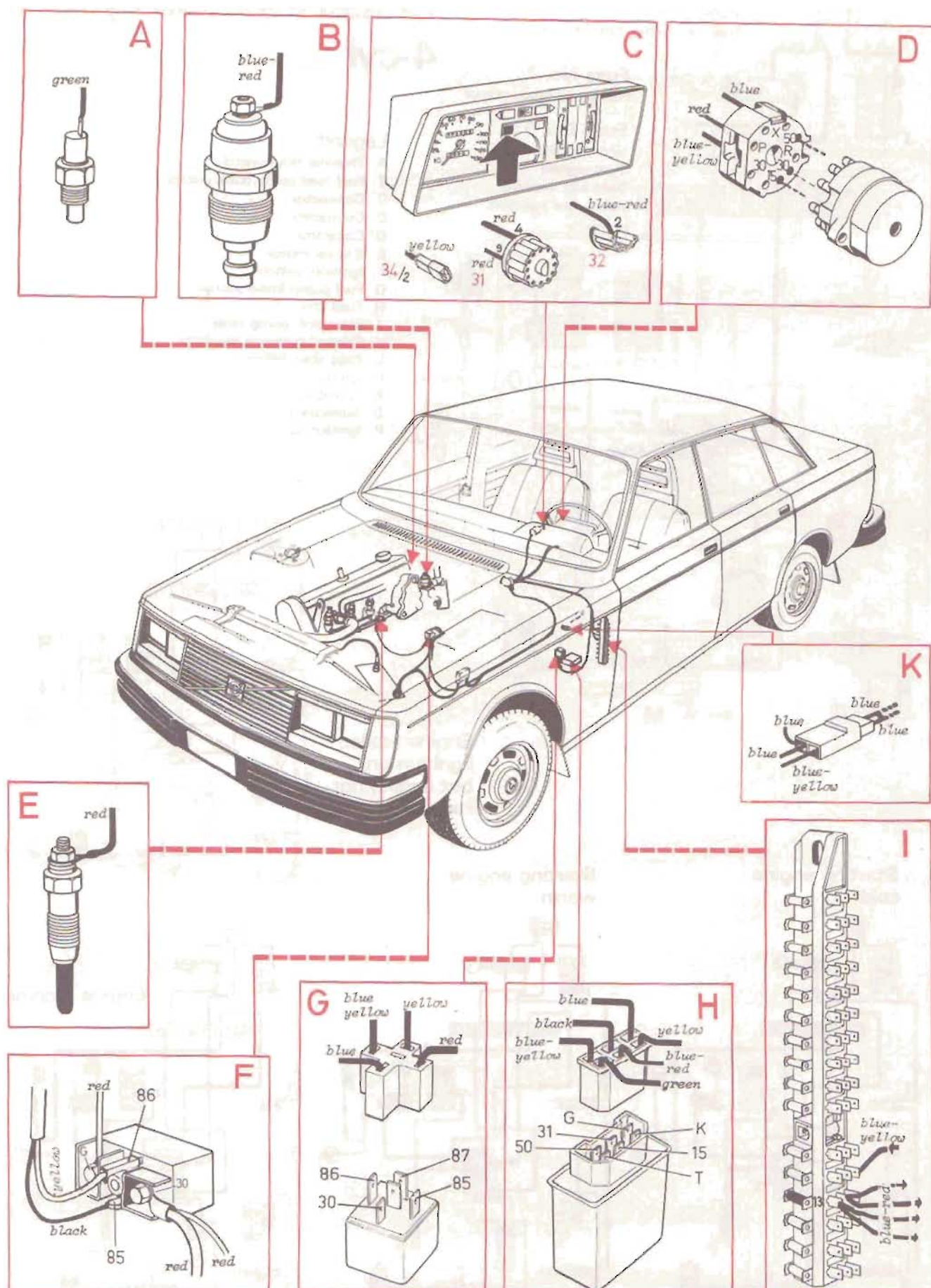


Glow plug system Diesel

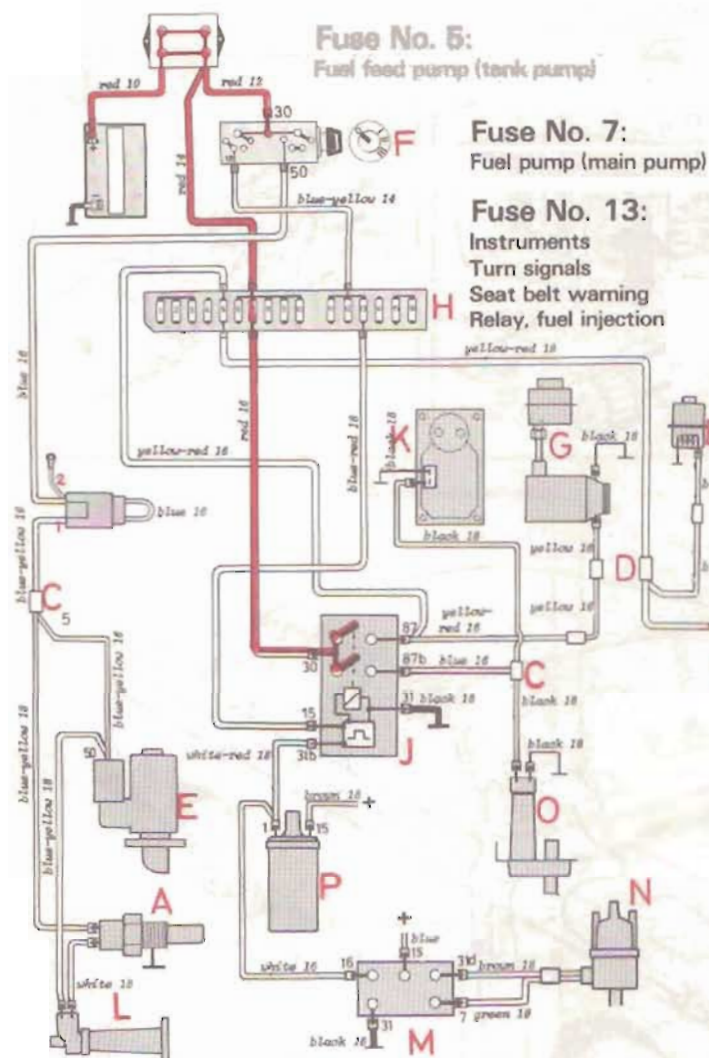


Blocking relay (G) is grounded through voltage regulator and alternator circuit when alternator is not charging.

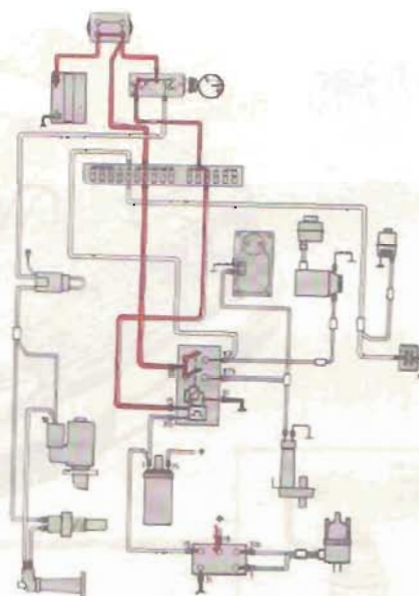




CI fuel injection system 4-cyl



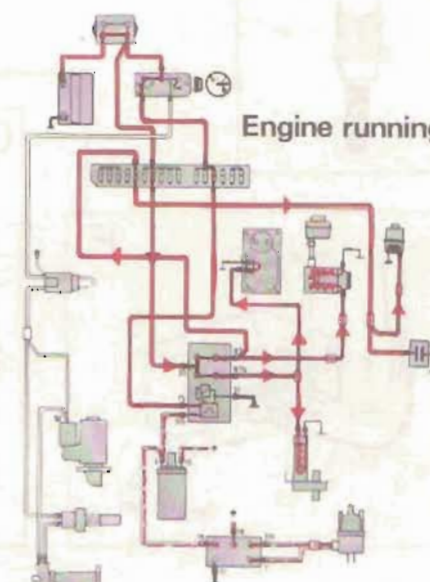
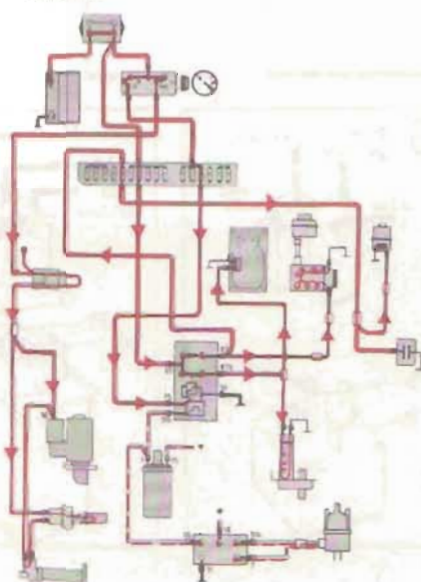
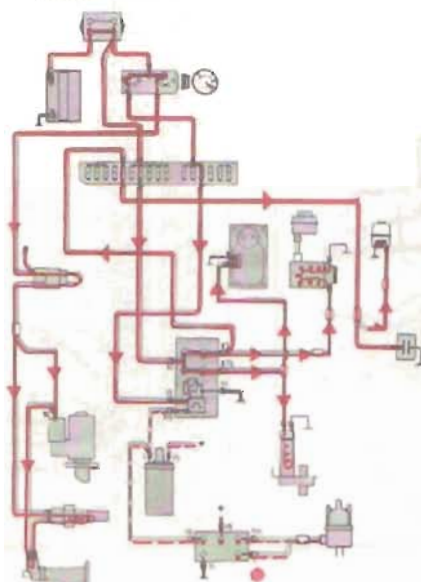
Engine stalled
(ignition on,
but engine not
running)

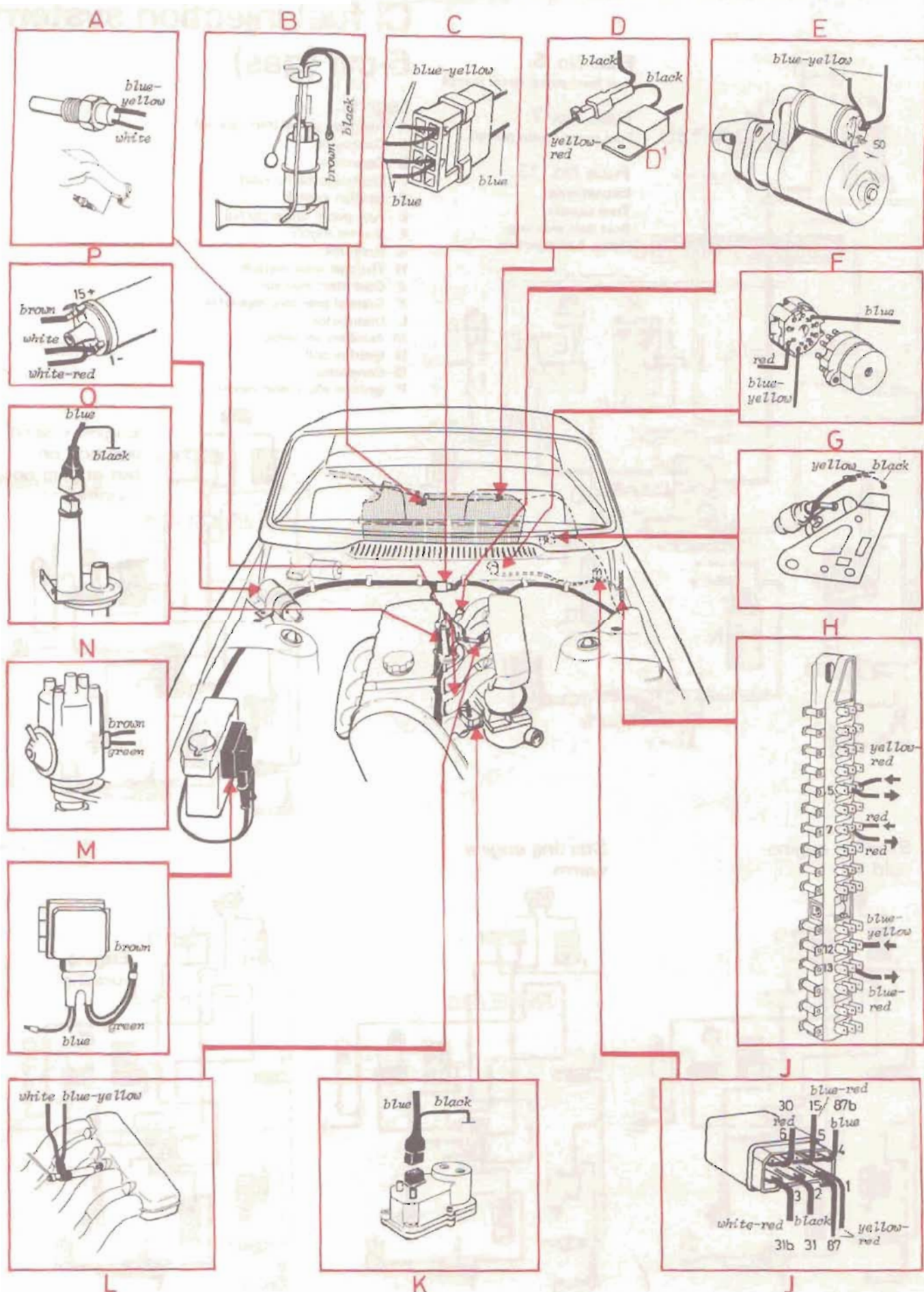


Starting engine
cold

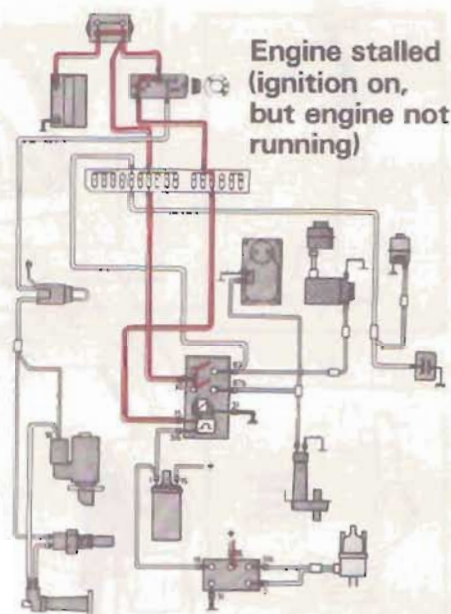
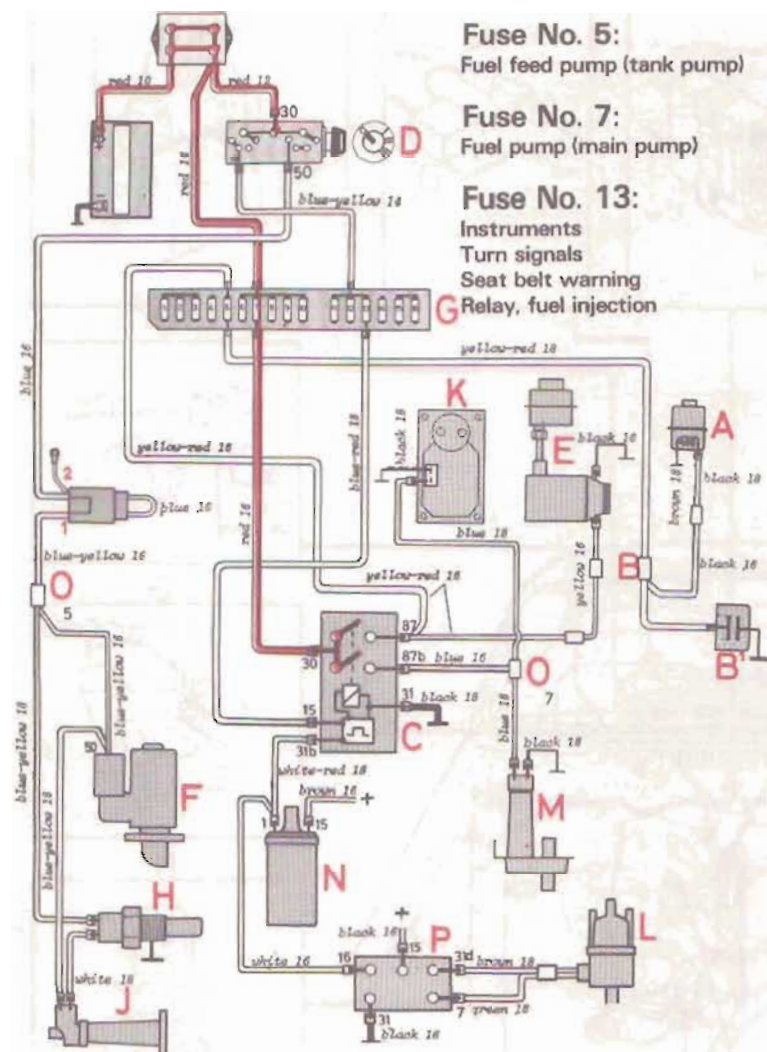
Starting engine
warm

Engine running

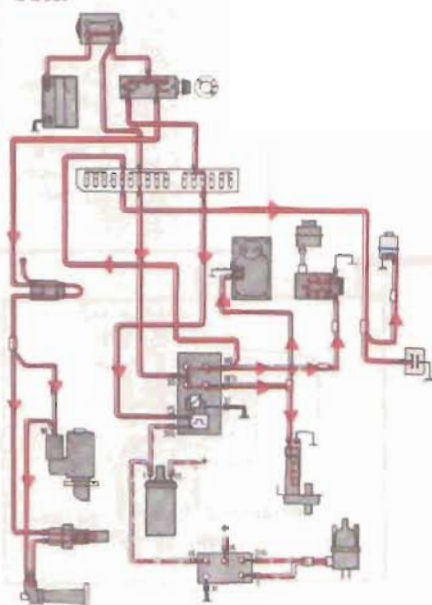




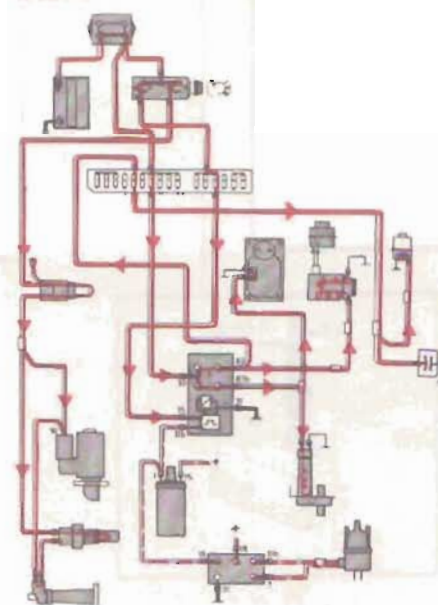
CI fuel injection system 6-cyl (gas)



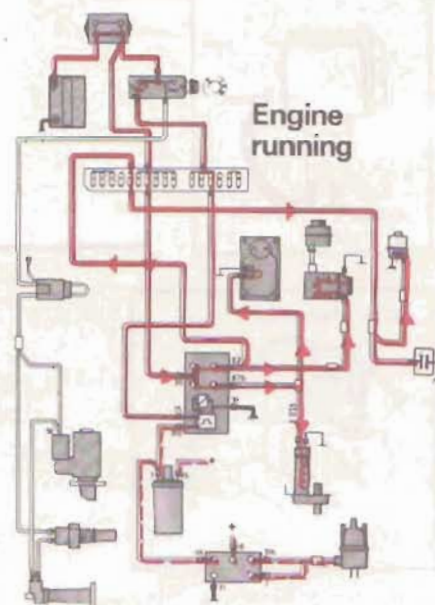
**Starting engine
cold**

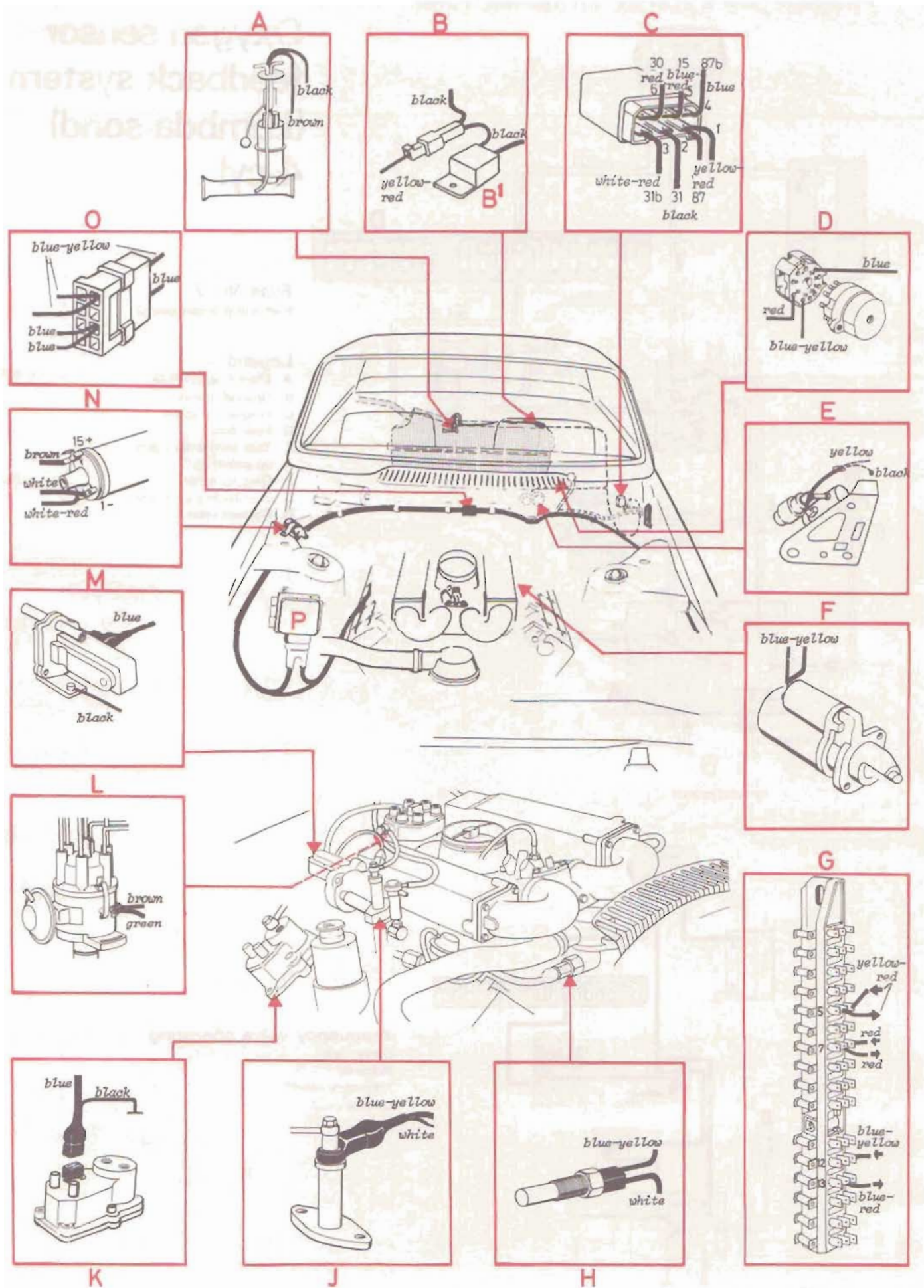


**Starting engine
warm**

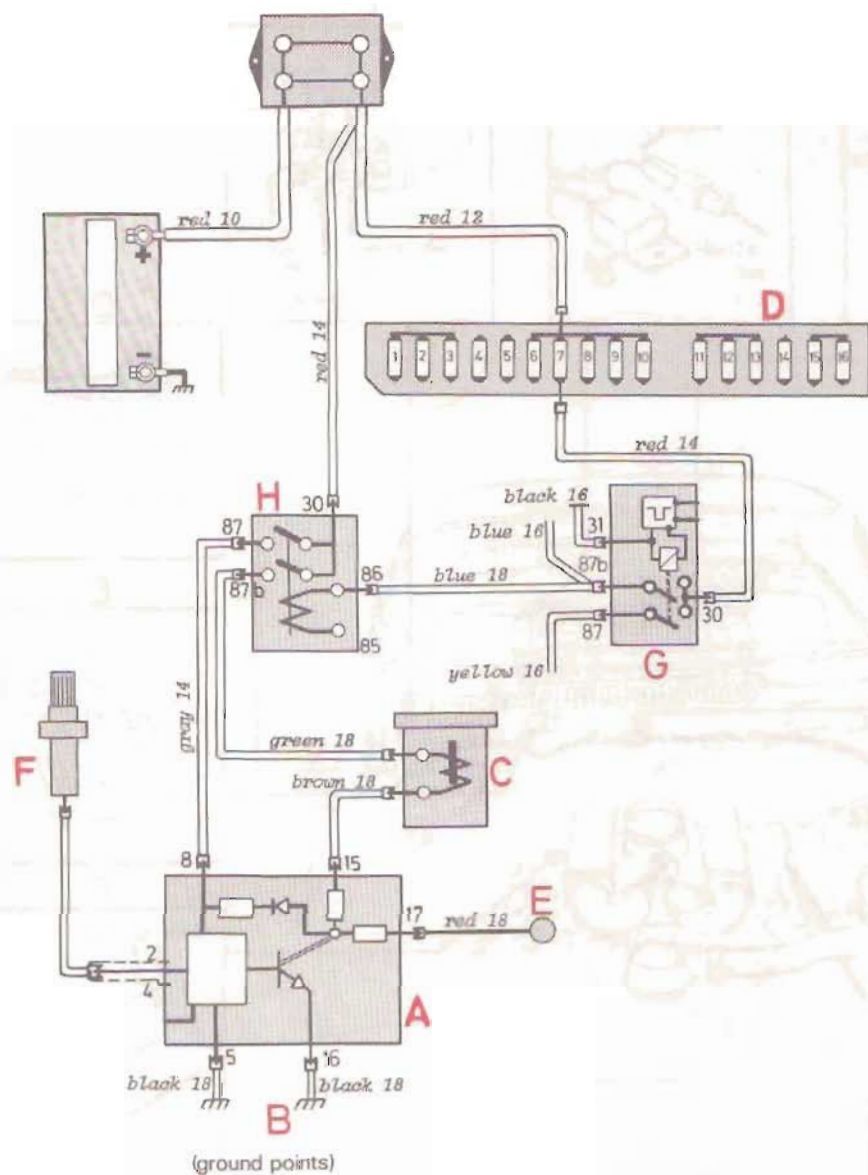


**Engine
running**





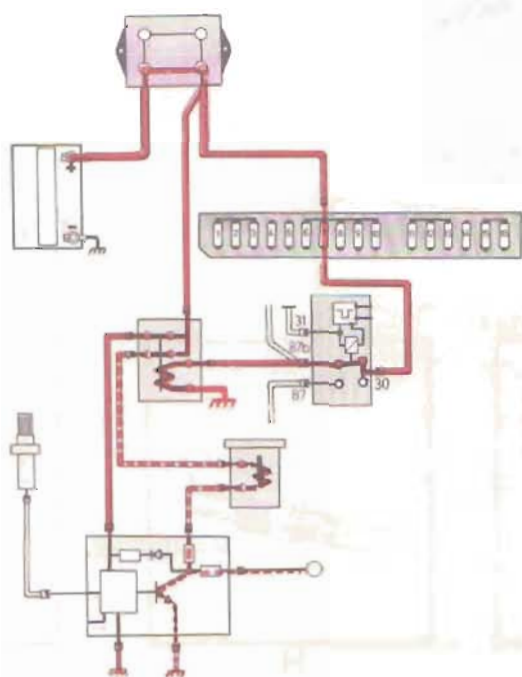
Oxygen sensor feedback system (Lambda-sond) 4-cyl



Fuse No. 7:
Fuel pump (main pump)

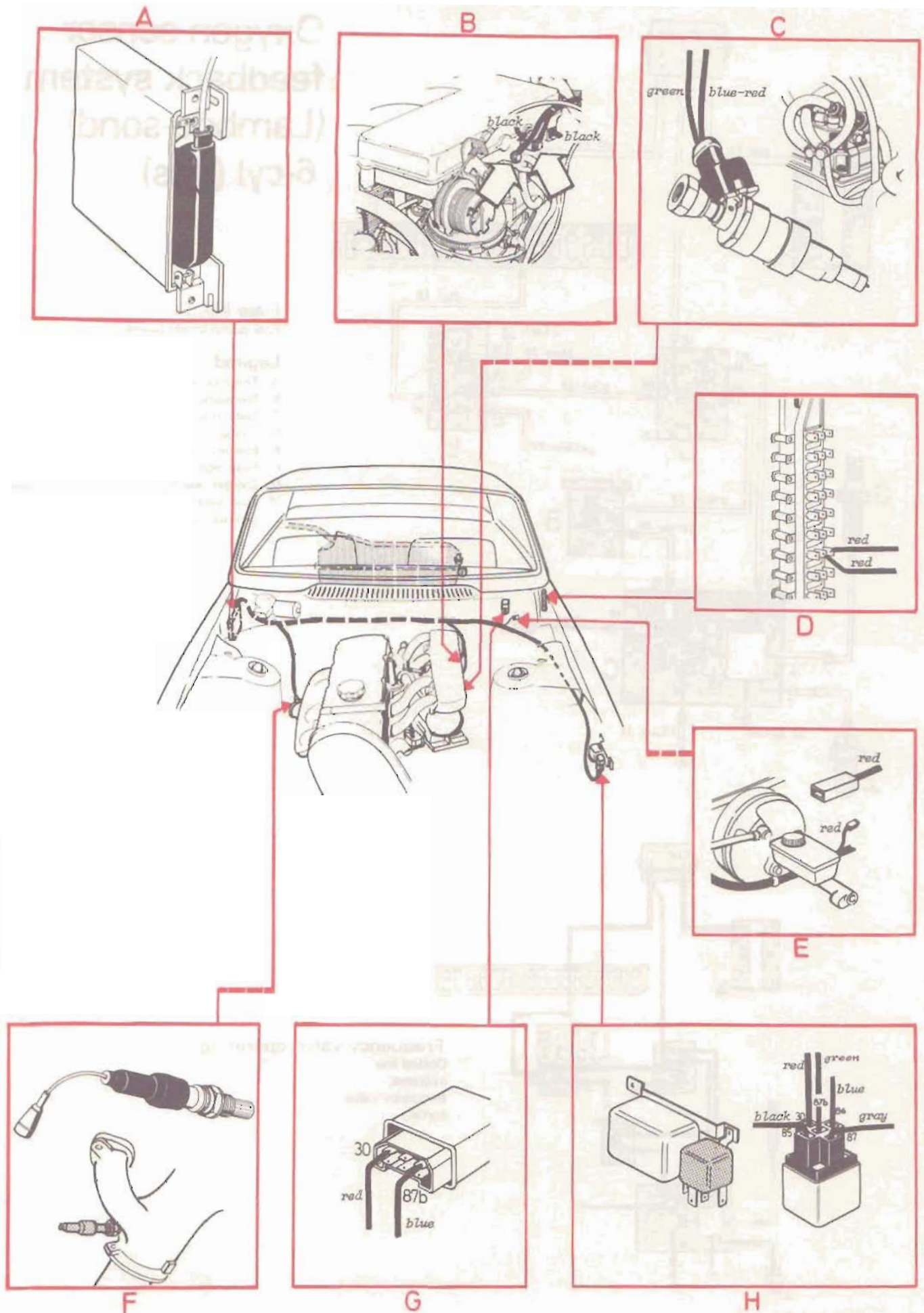
Legend:

- A Electronic module
- B Ground points
- C Frequency valve
- D Fuse box
- E Test instrument pick-up point
- F Oxygen sensor
- G Electronic pump relay
- H System relay

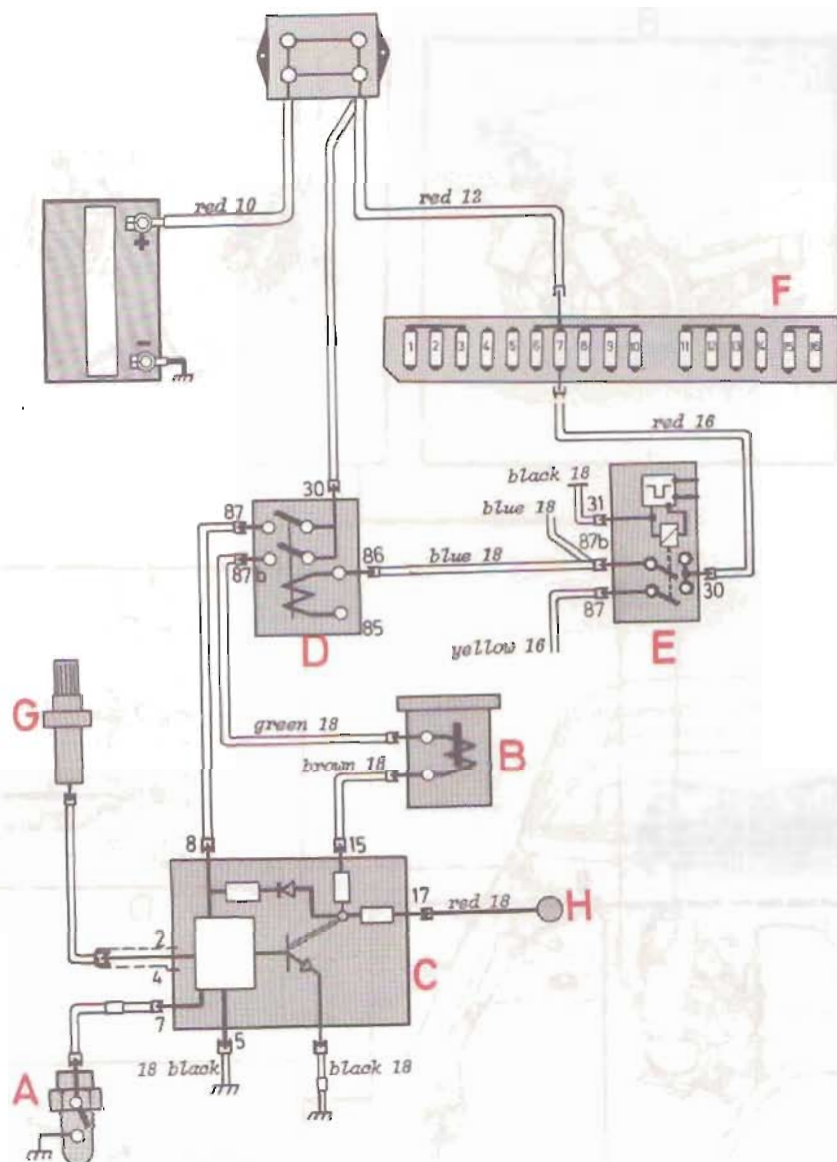


Frequency valve operating

Dotted line
indicates
frequency valve
current



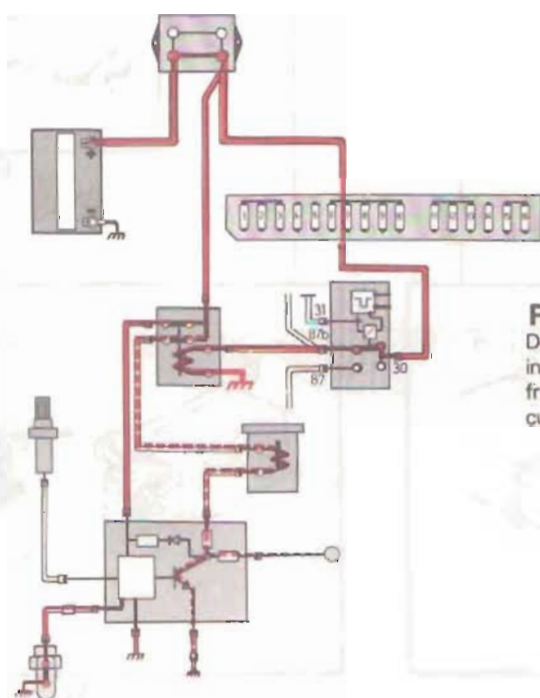
Oxygen sensor feedback system (Lambda-sond) 6-cyl (gas)



Fuse No. 7:
Fuel pump (main pump)

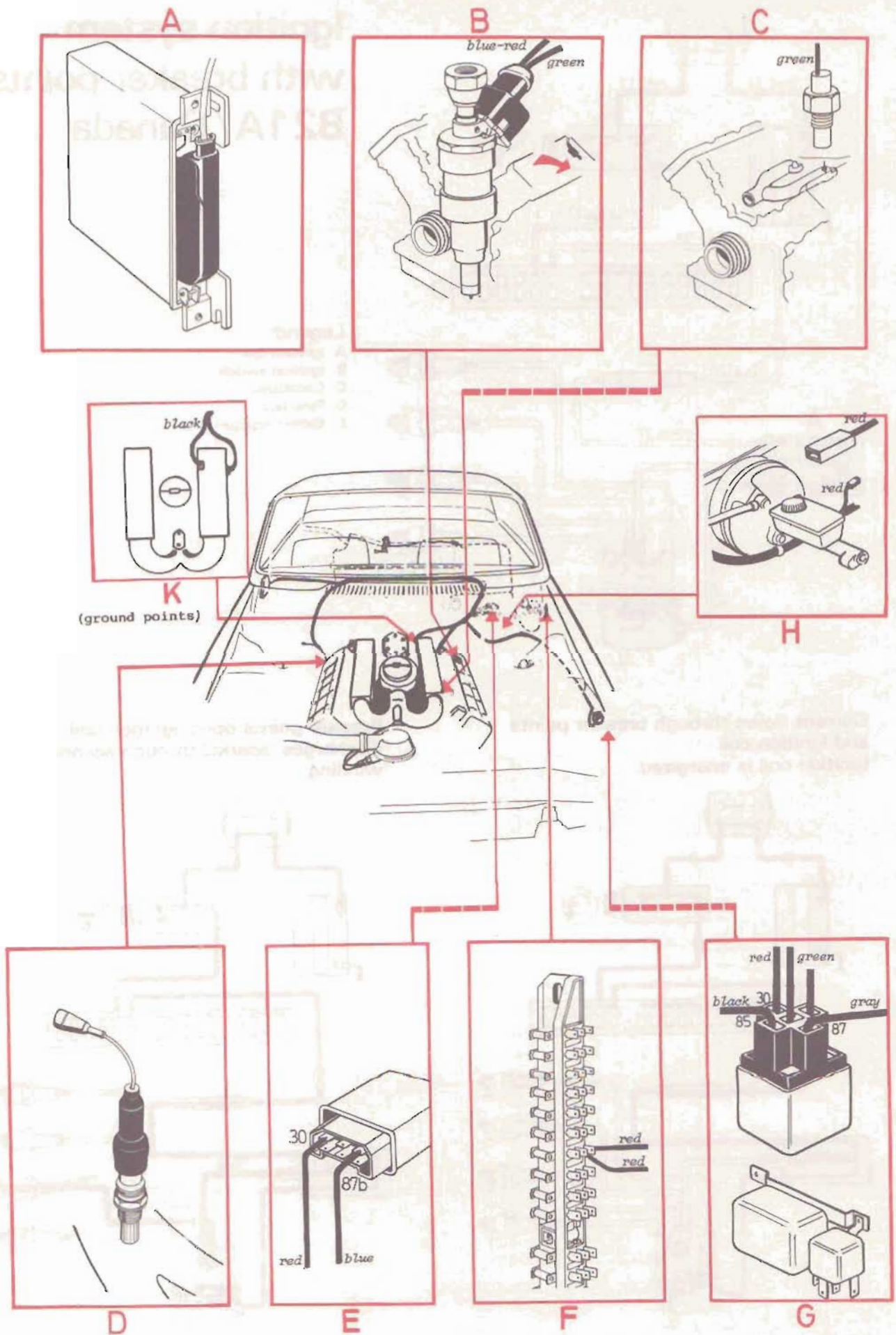
Legend:

- A Thermal switch
- B Frequency valve
- C Electronic module
- D System relay
- E Electronic pump relay
- F Fuse box
- G Oxygen sensor
- H Test instrument pick-up point

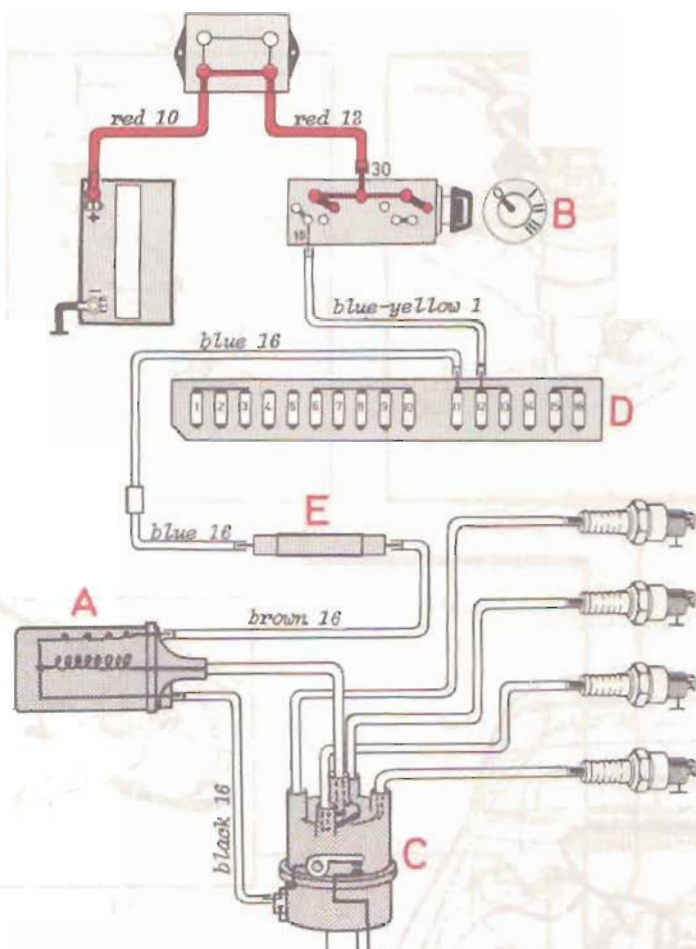


Frequency valve operating

Dotted line
indicates
frequency valve
current



Ignition system with breaker points, B21A/Canada

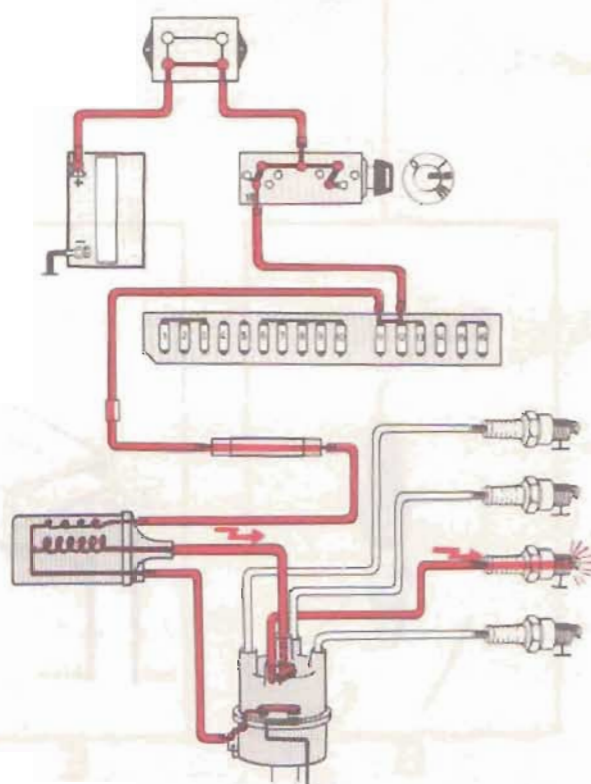
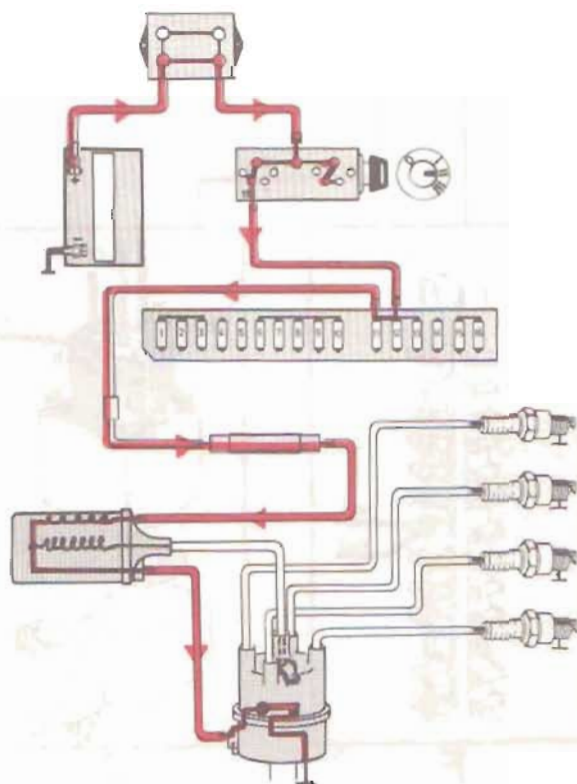


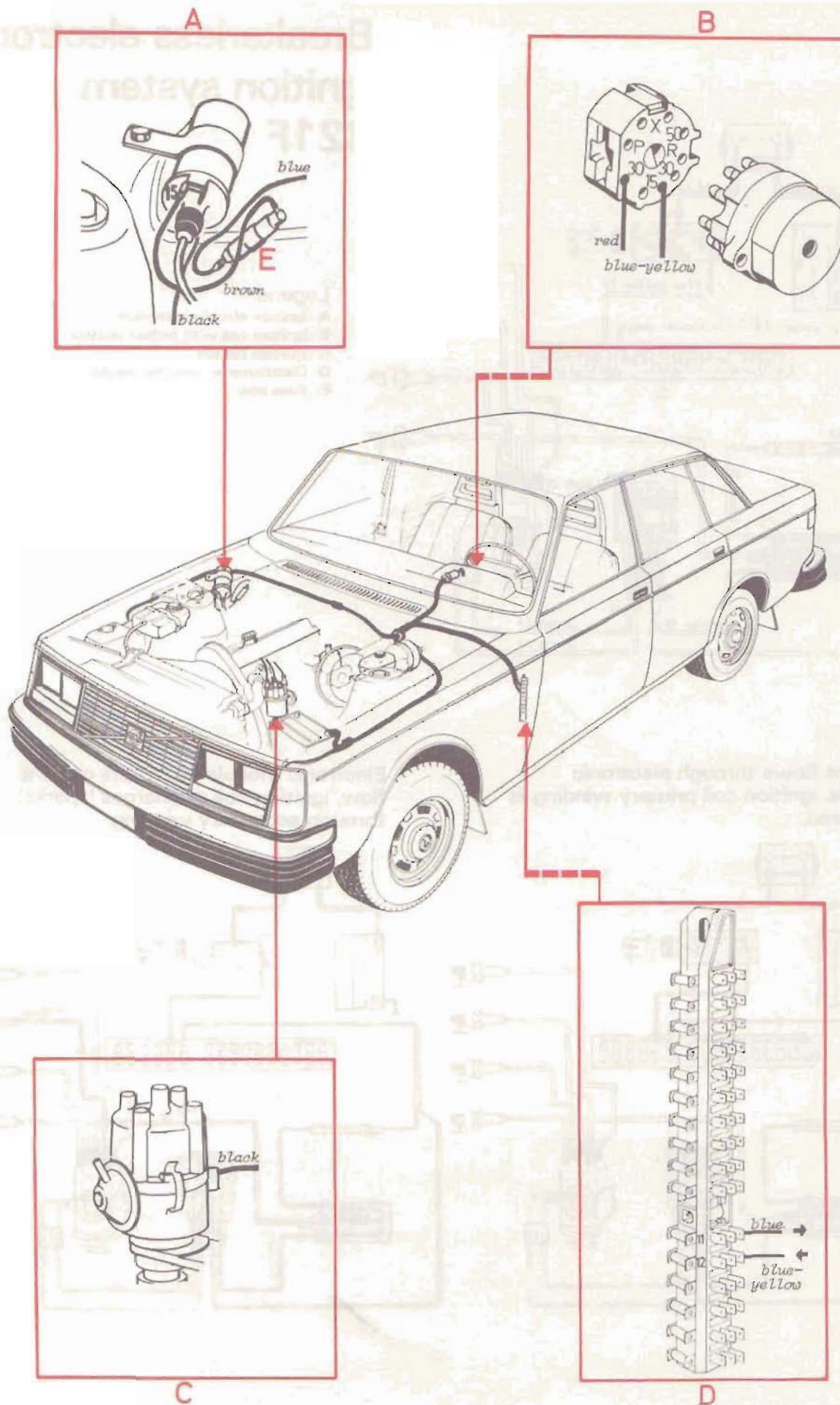
Legend:

- A Ignition coil
- B Ignition switch
- C Distributor
- D Fuse box
- E Ballast resistor

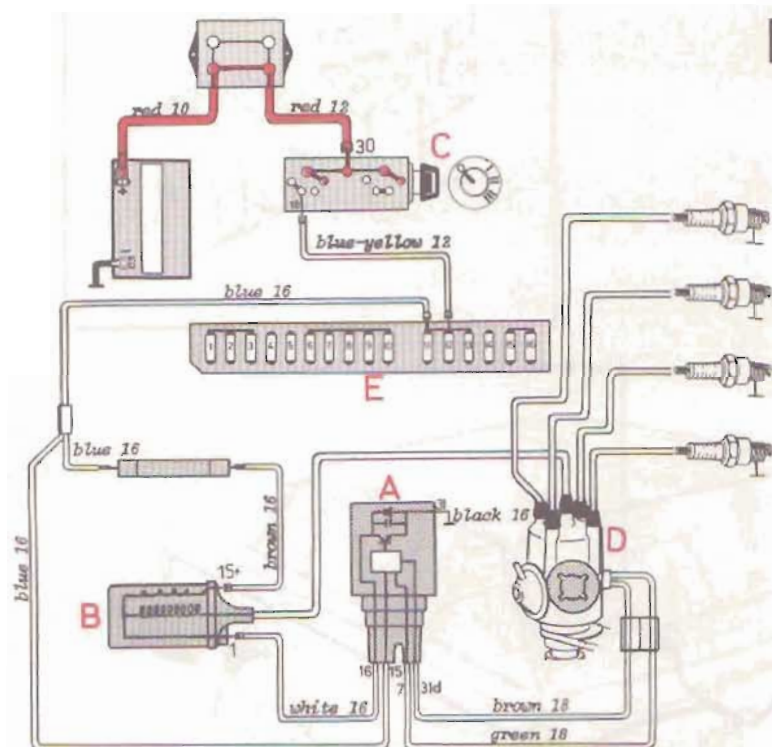
Current flows through breaker points and ignition coil. Ignition coil is energized.

Breaker points open, ignition coil discharges (sparks) through secondary winding.





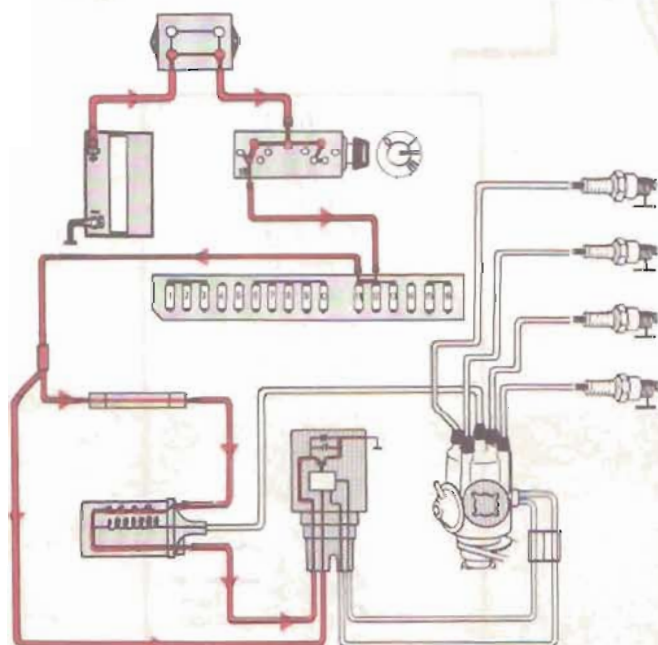
Breakerless electronic ignition system B21F



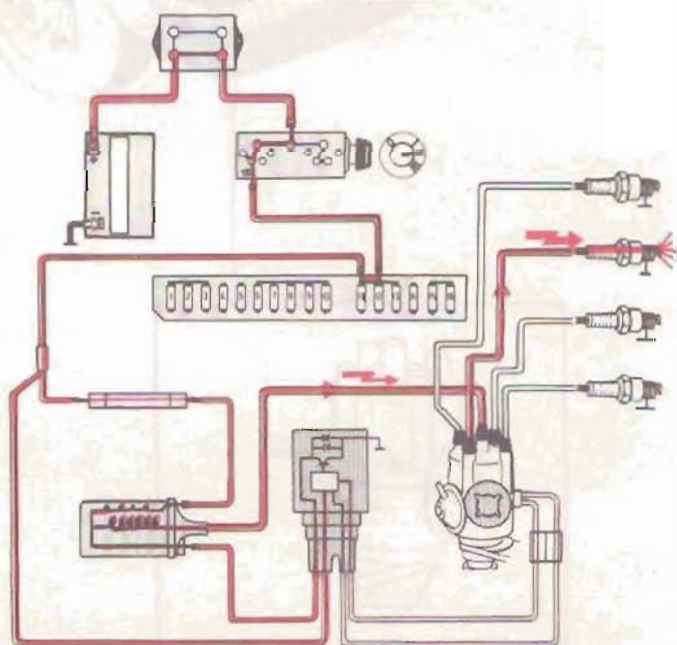
Legend:

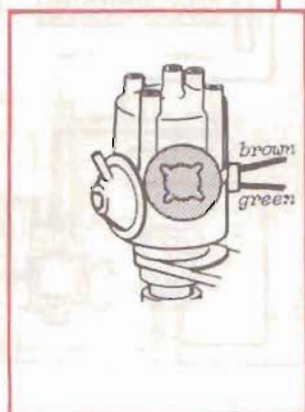
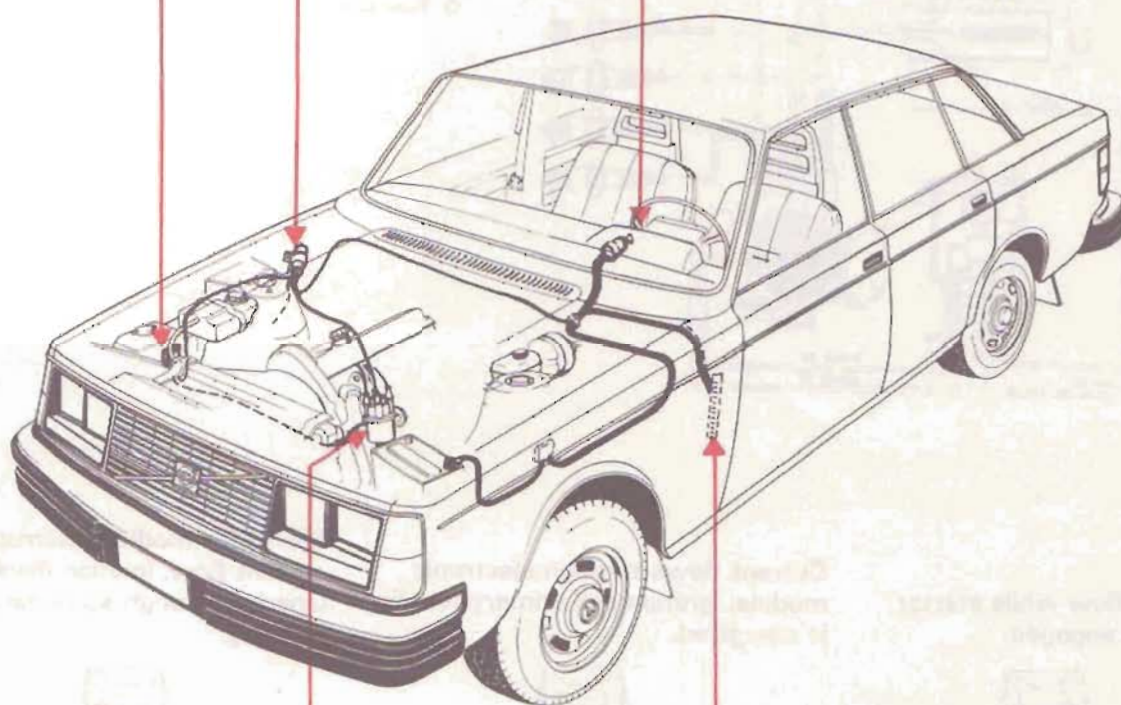
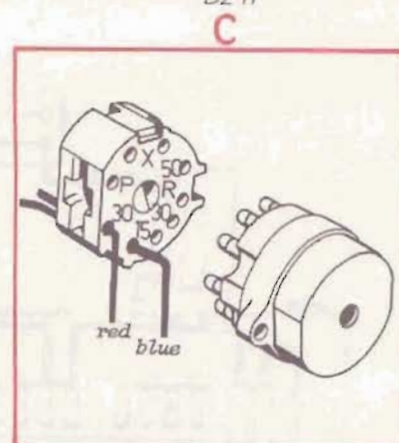
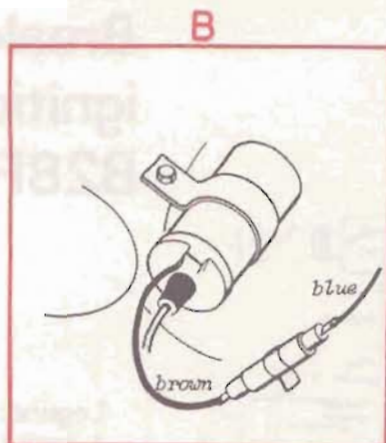
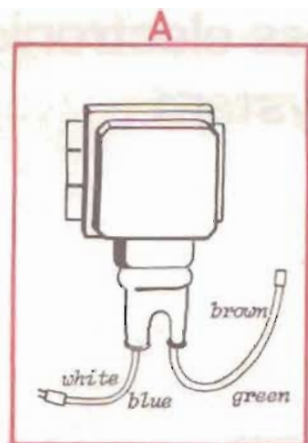
- A Ignition electronic module
- B Ignition coil with ballast resistor
- C Ignition switch
- D Distributor w. impulse sender
- E Fuse box

Current flows through electronic module, ignition coil primary winding is energized.

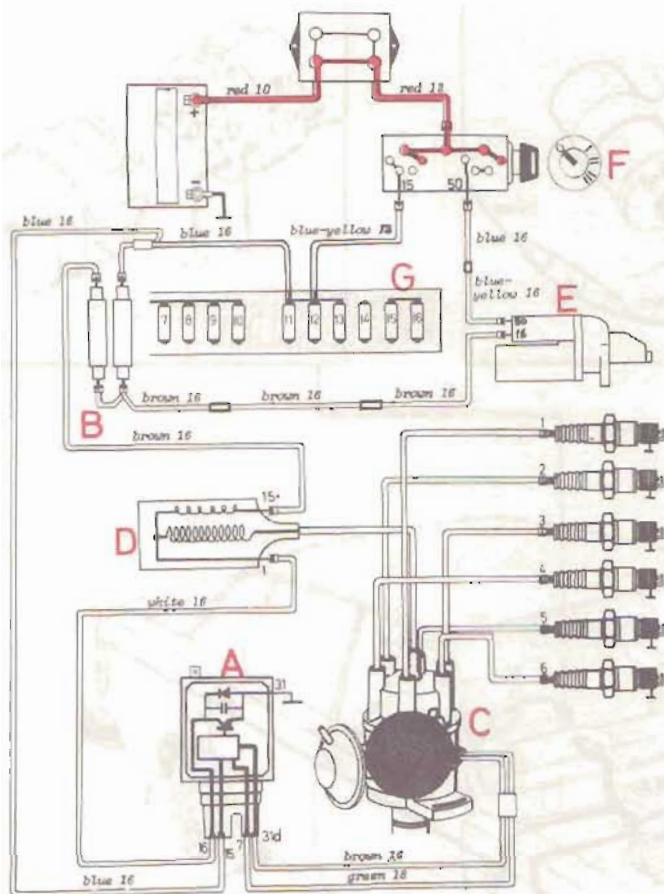


Electronic module interrupts current flow, ignition coil discharges (sparks) through secondary winding.





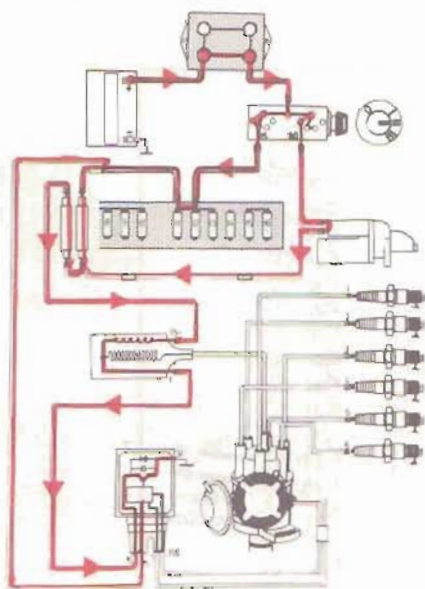
Breakerless electronic ignition system B28F



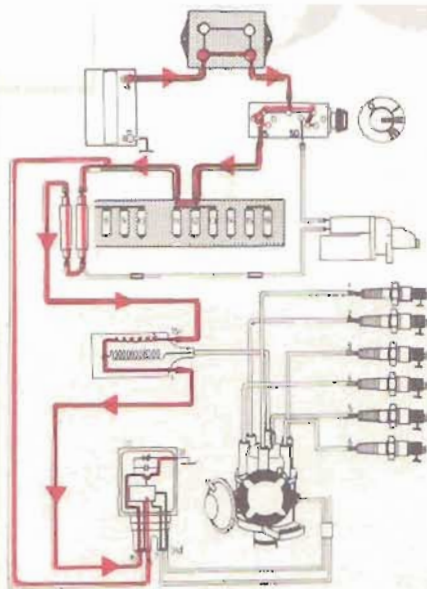
Legend:

- A Ignition electronic module
- B Ballast resistor
- C Distributor w. impulse sender
- D Ignition coil
- E Starter motor
- F Ignition switch
- G Fuse box

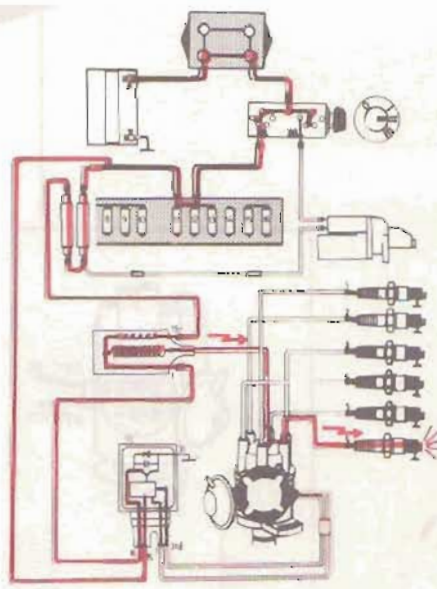
Current flow while starter motor is engaged.

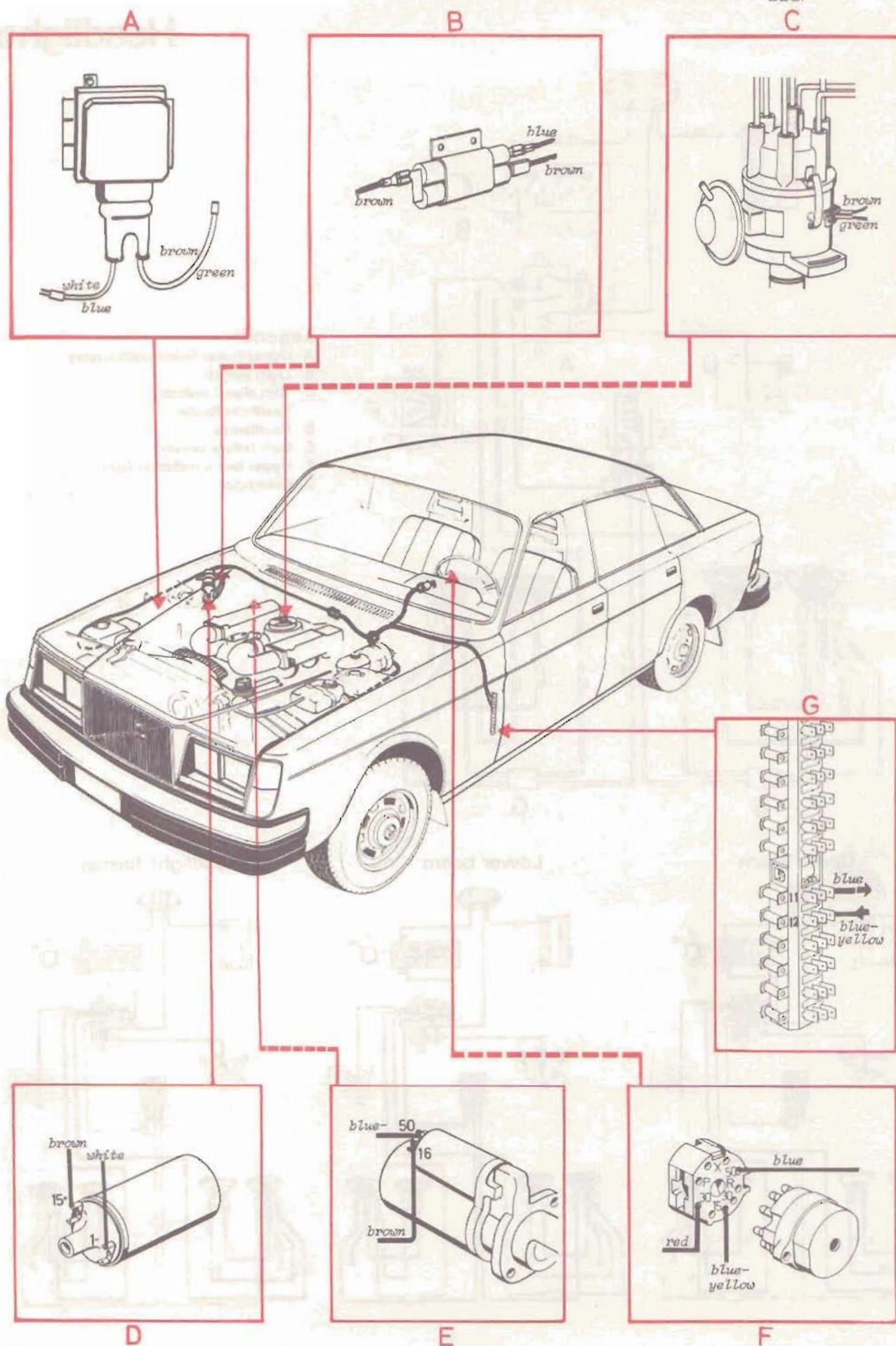


Current flows through electronic module, ignition coil primary winding is energized.

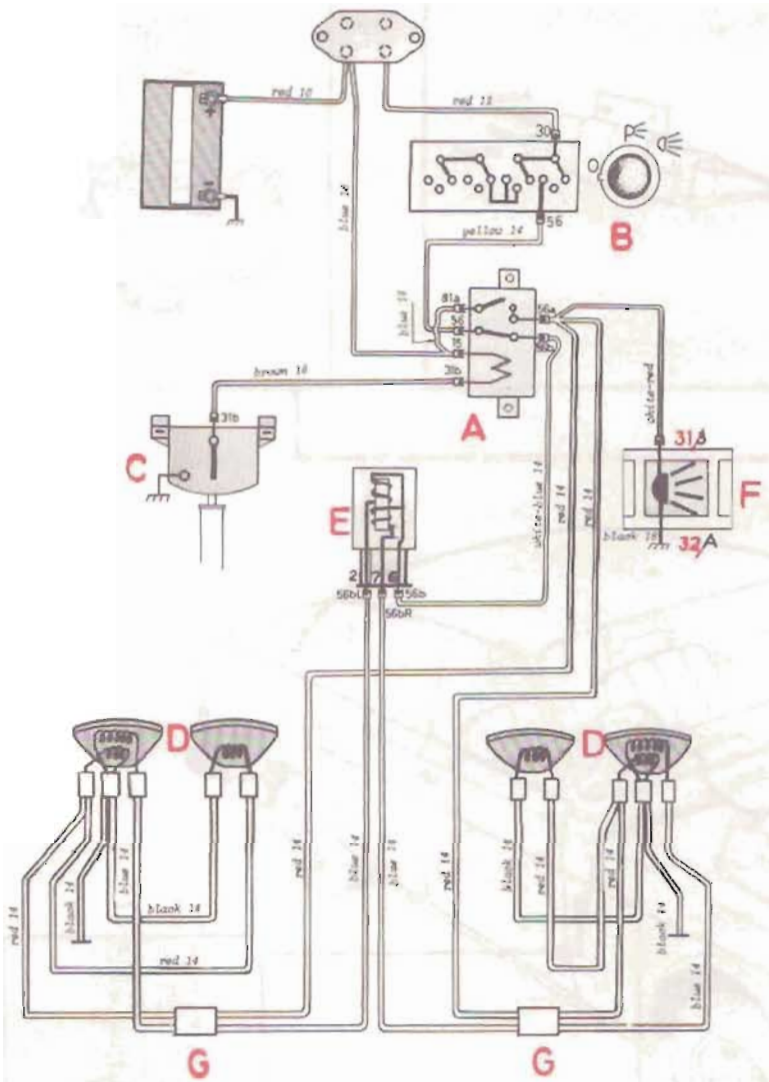


Electronic module interrupts current flow, ignition discharges (sparks) through secondary winding.





Headlights



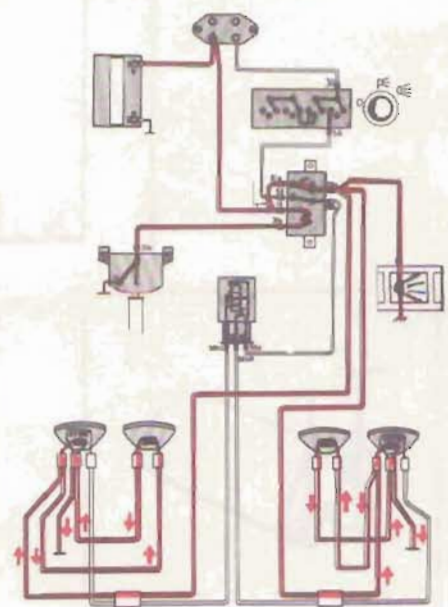
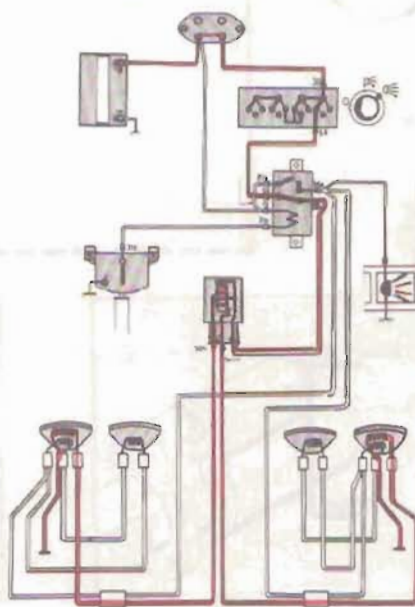
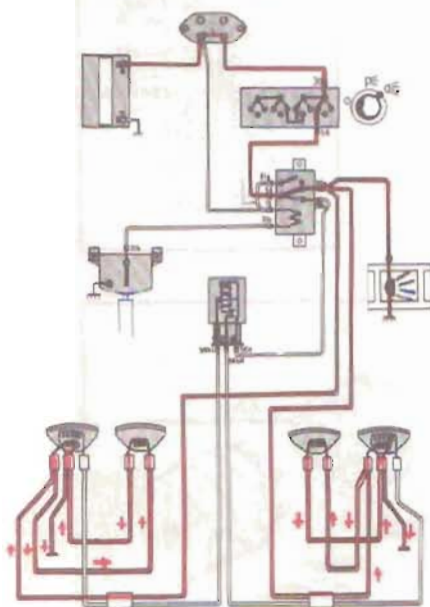
Legend:

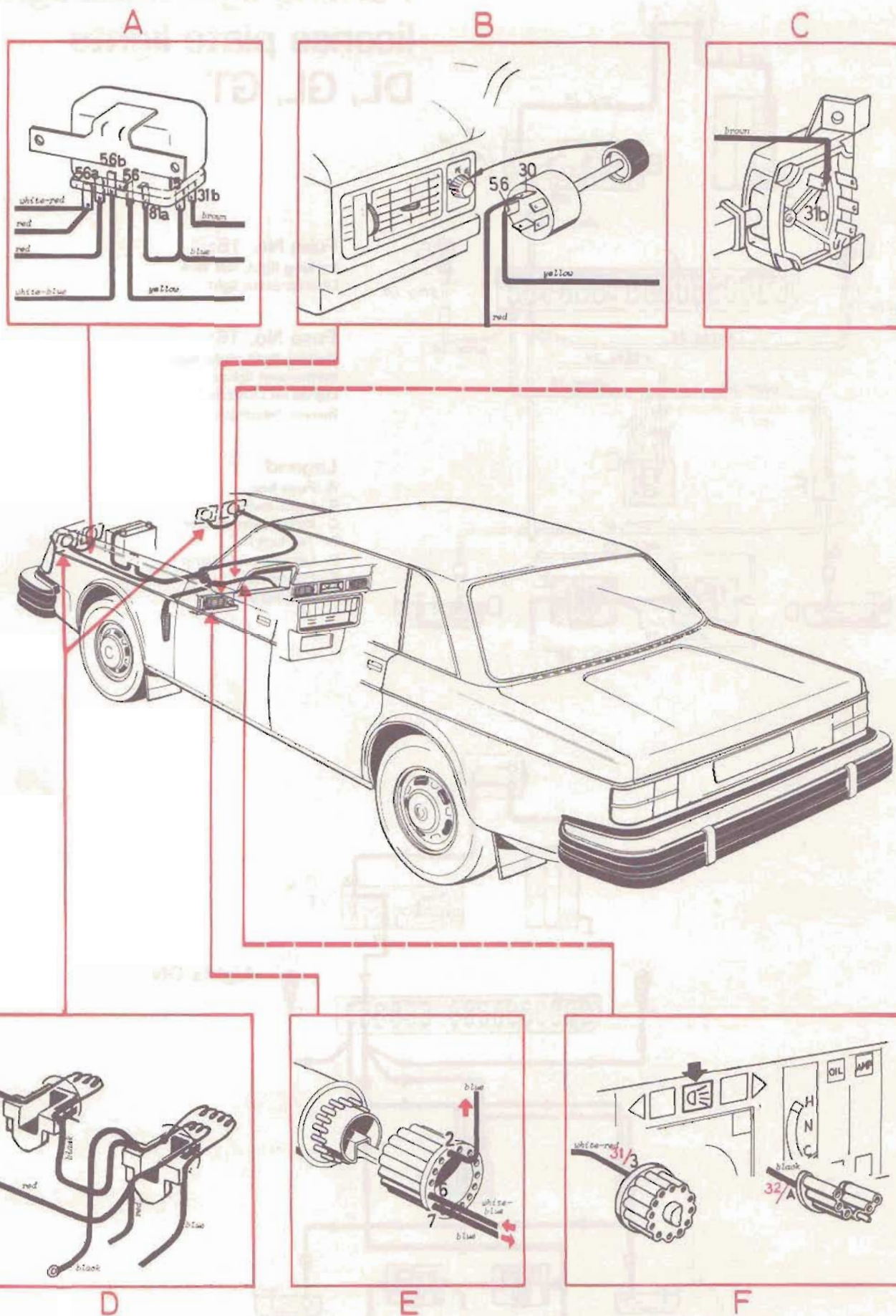
- A Upper/lower beam switch relay
- B Light switch
- C Turn signal switch/
headlight flasher
- D Headlamps
- E Bulb failure sensor
- F Upper beam indicator light
- G Connector

Upper beam

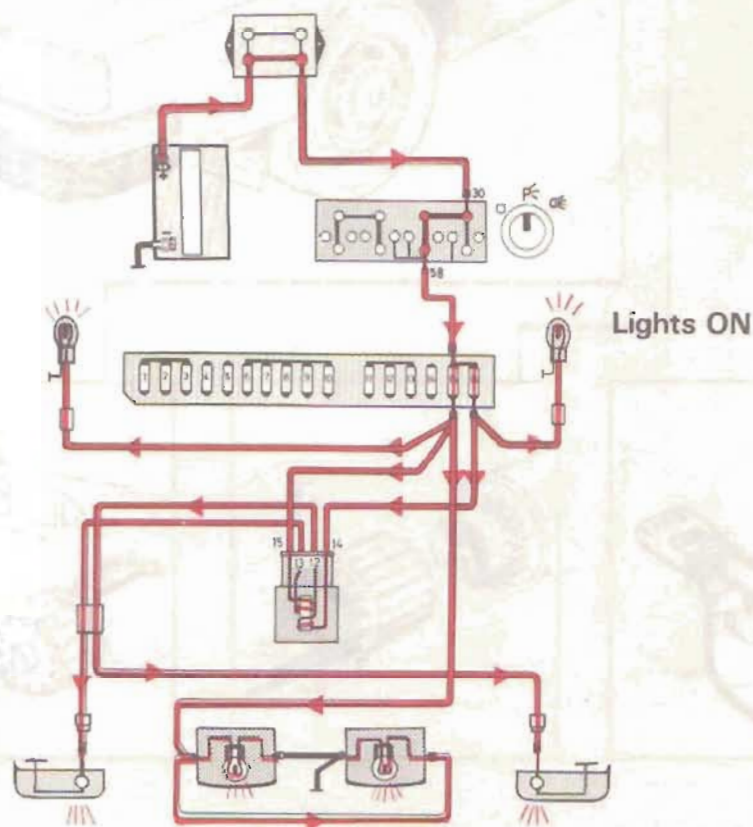
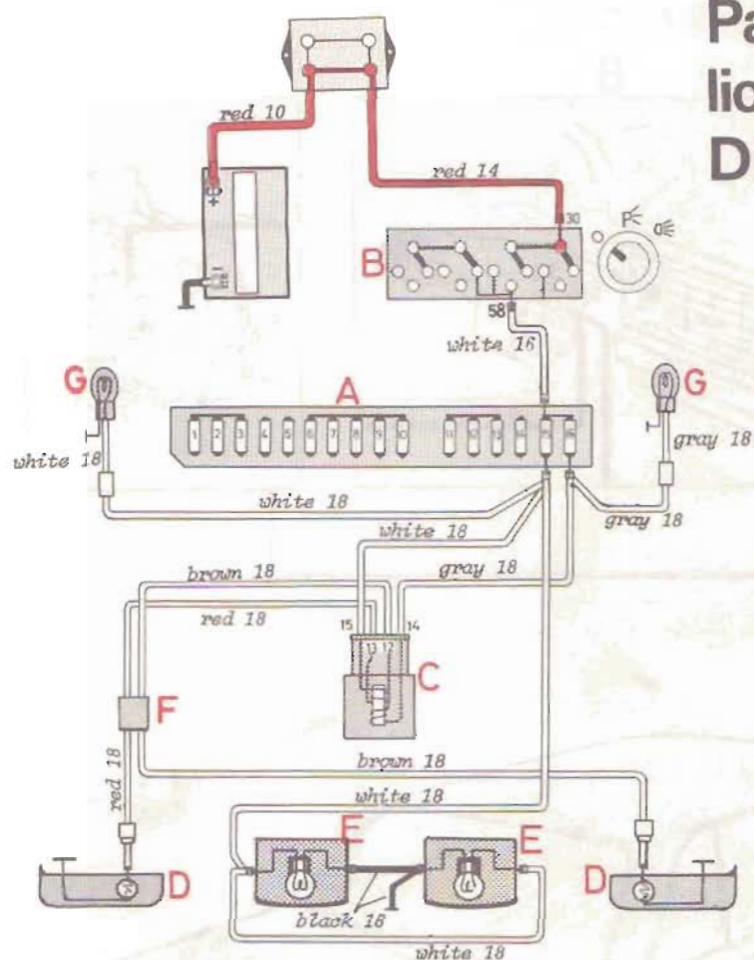
Lower beam

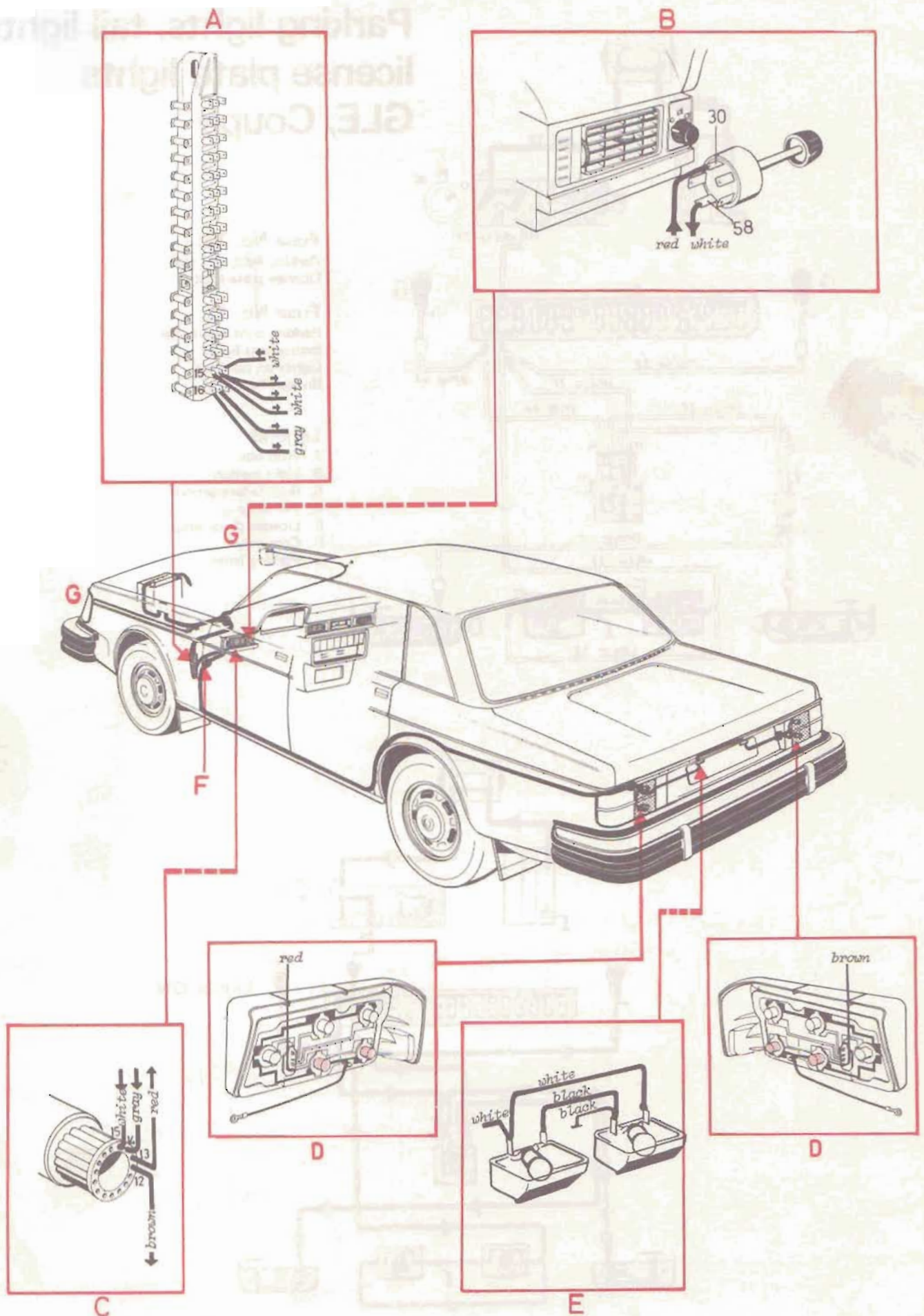
Headlight flasher





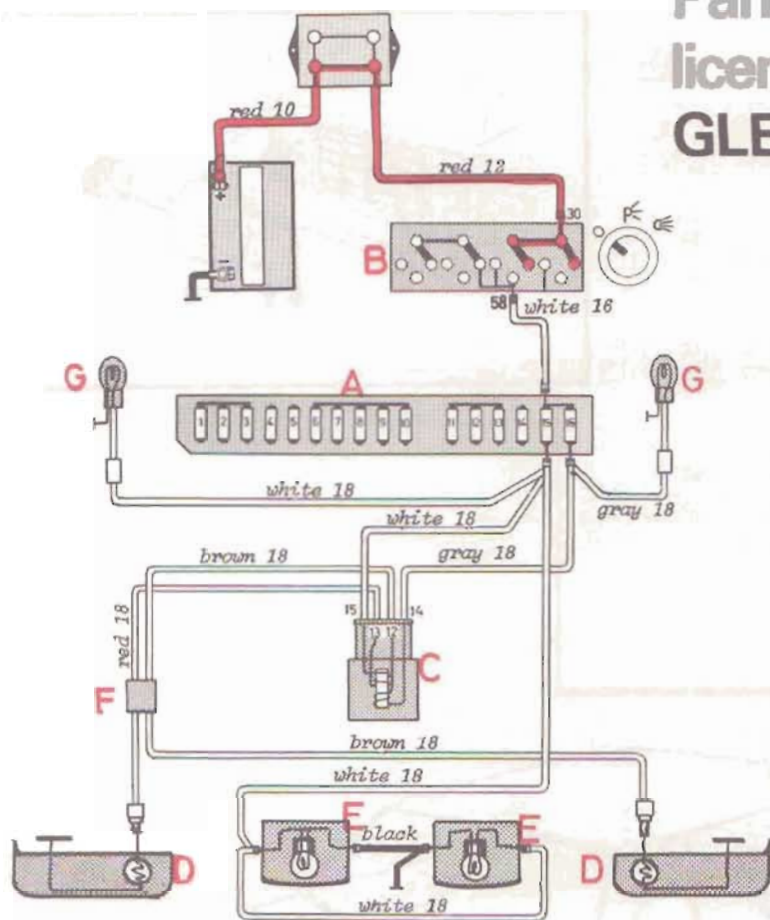
Parking lights, tail lights, license plate lights DL, GL, GT





Parking lights, tail lights,
license plate lights
GLE, Coupe

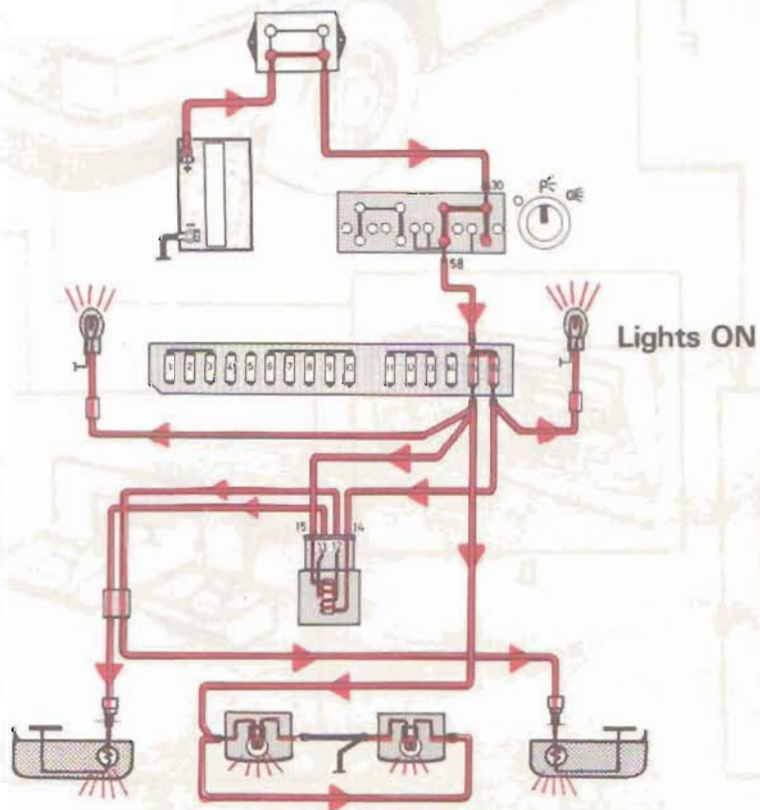
Parking lights, tail lights, license plate lights GLE, Coupe

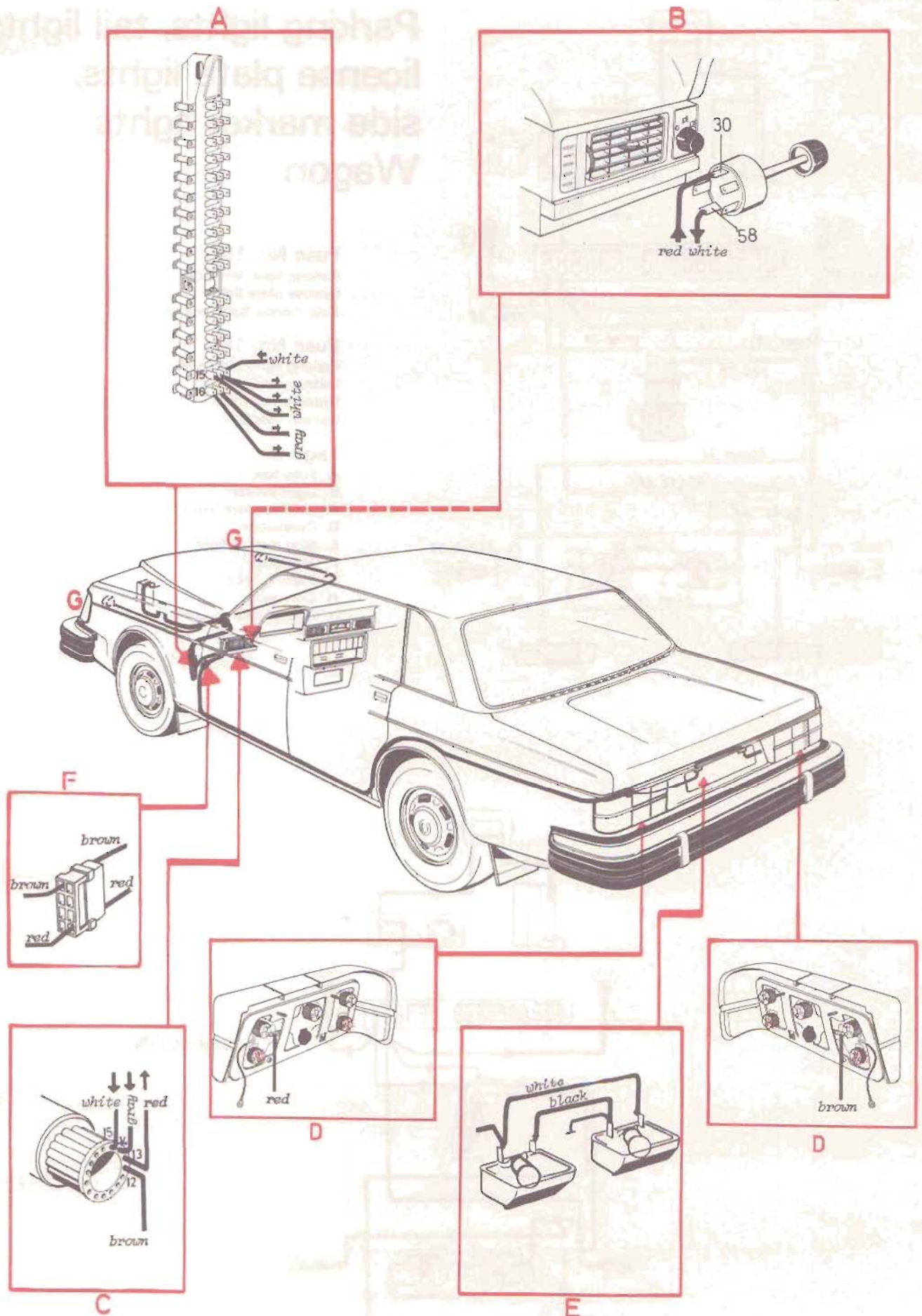


Fuse No. 15:
Parking light, left side
License plate light

Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

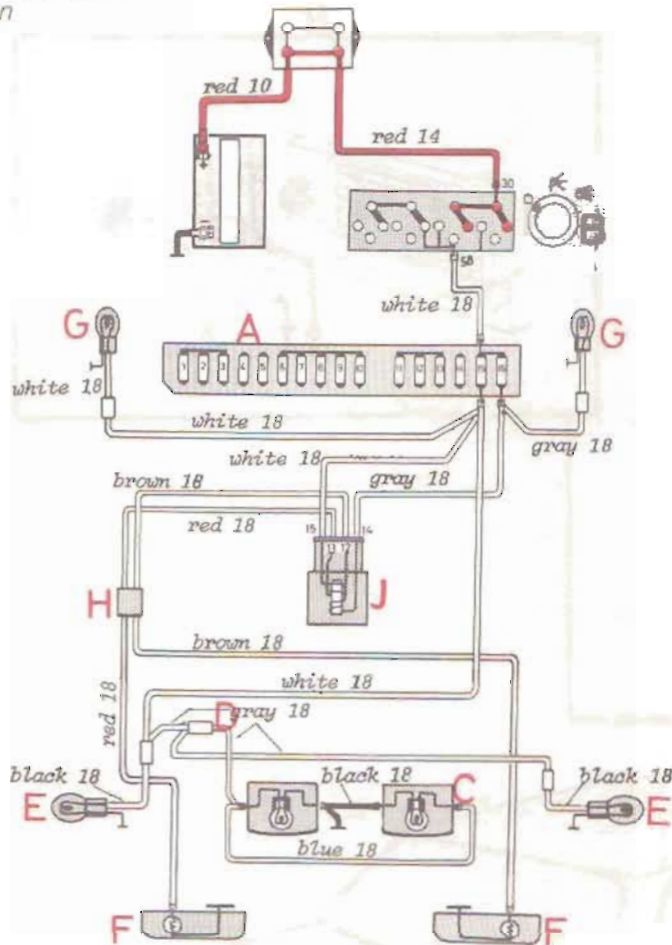
Legend:
A Fuse box
B Light switch
C Bulb failure sensor
D Tail lamp
E License plate lamp
F Connector
G Parking lamp





Parking lights, tail lights,
license plate lights,
side marker lights
Wagon

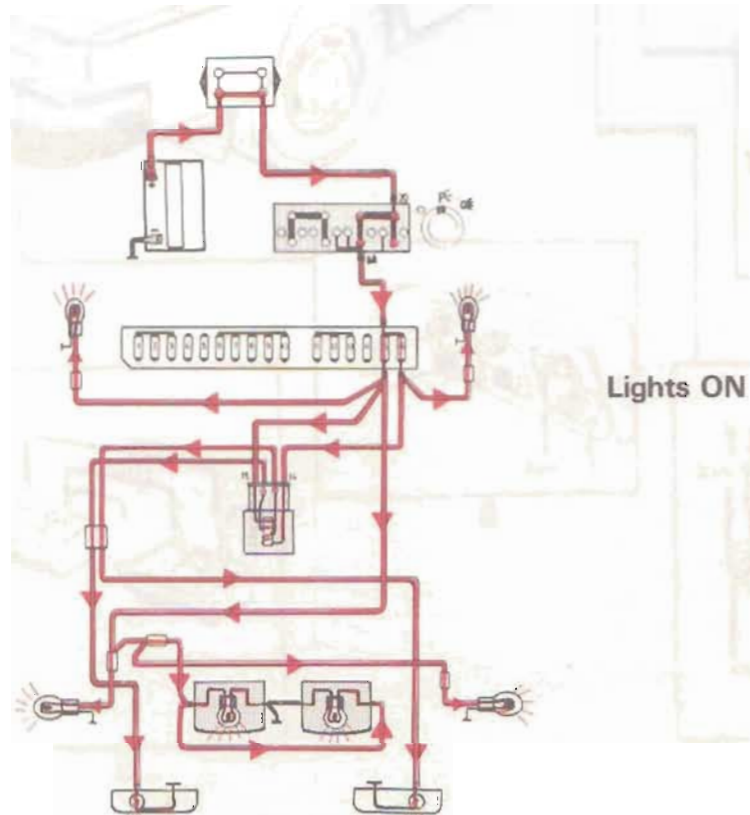
Parking lights, tail lights license plate lights, side marker lights Wagon



Fuse No. 15:
Parking light, left side
License plate light
Side marker light (wagon)

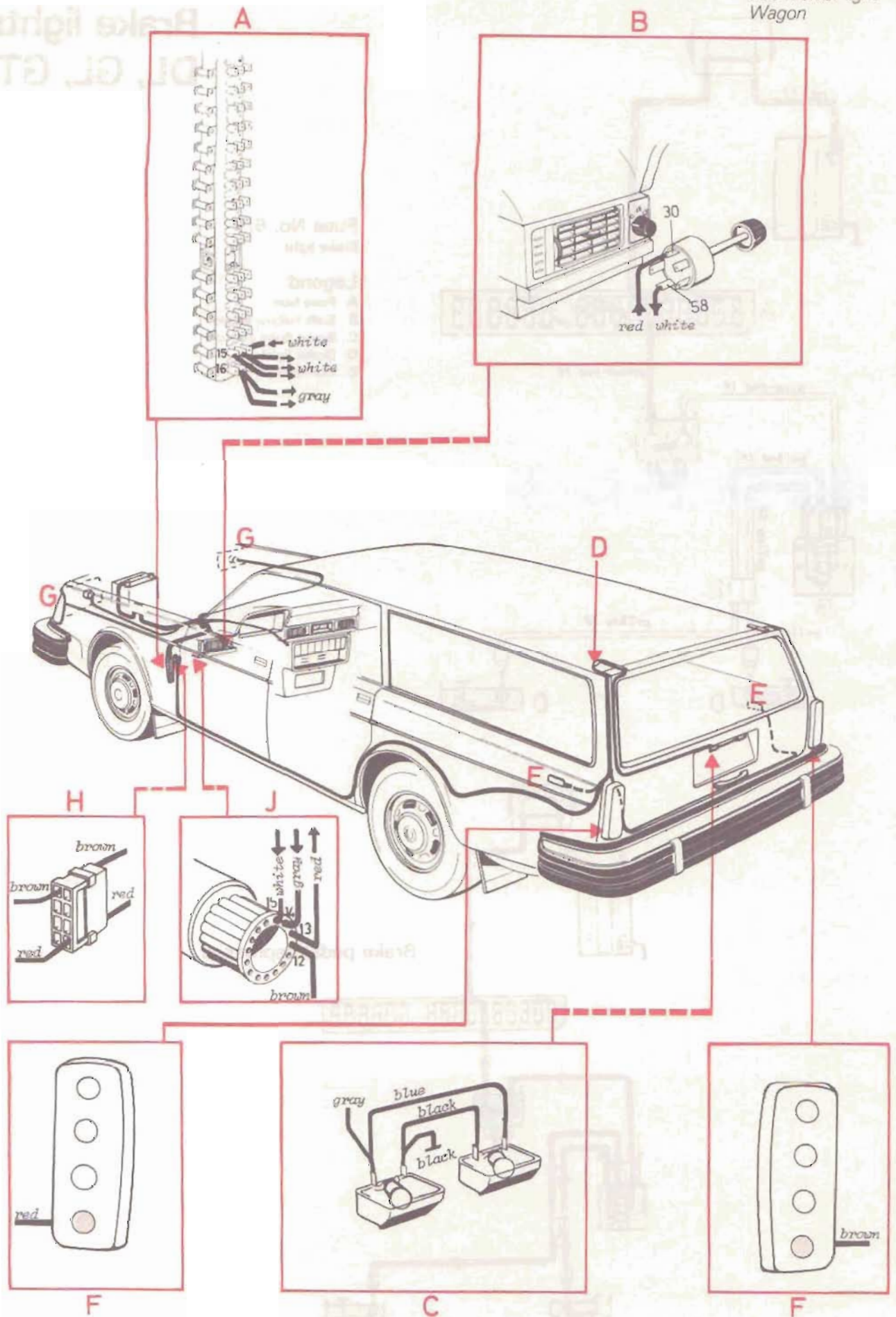
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:
A Fuse box
B Light switch
C License plate lamp
D Connector
E Side marker light
F Tail lamp
G Parking light
H Connector
J Bulb failure sensor

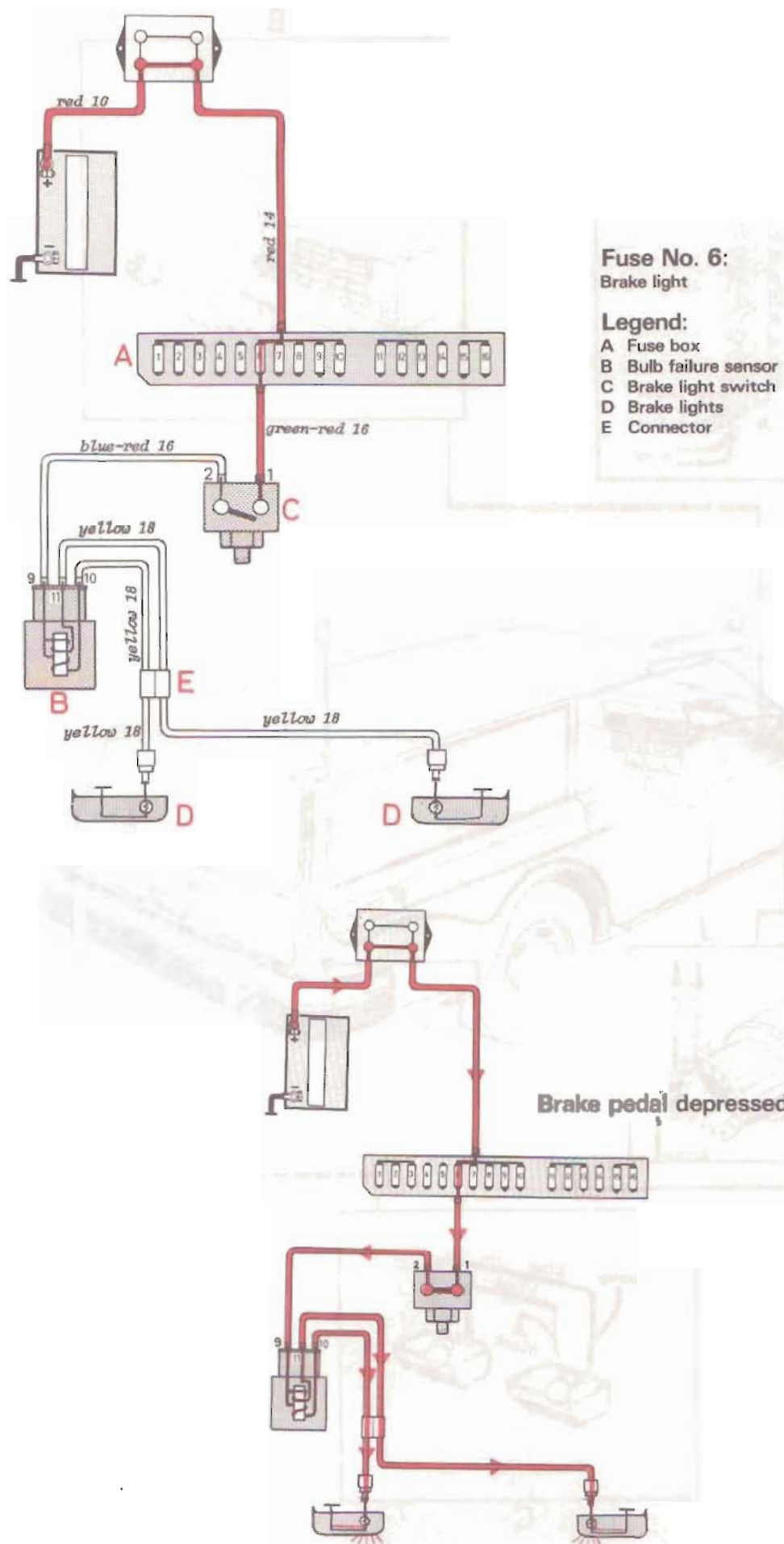


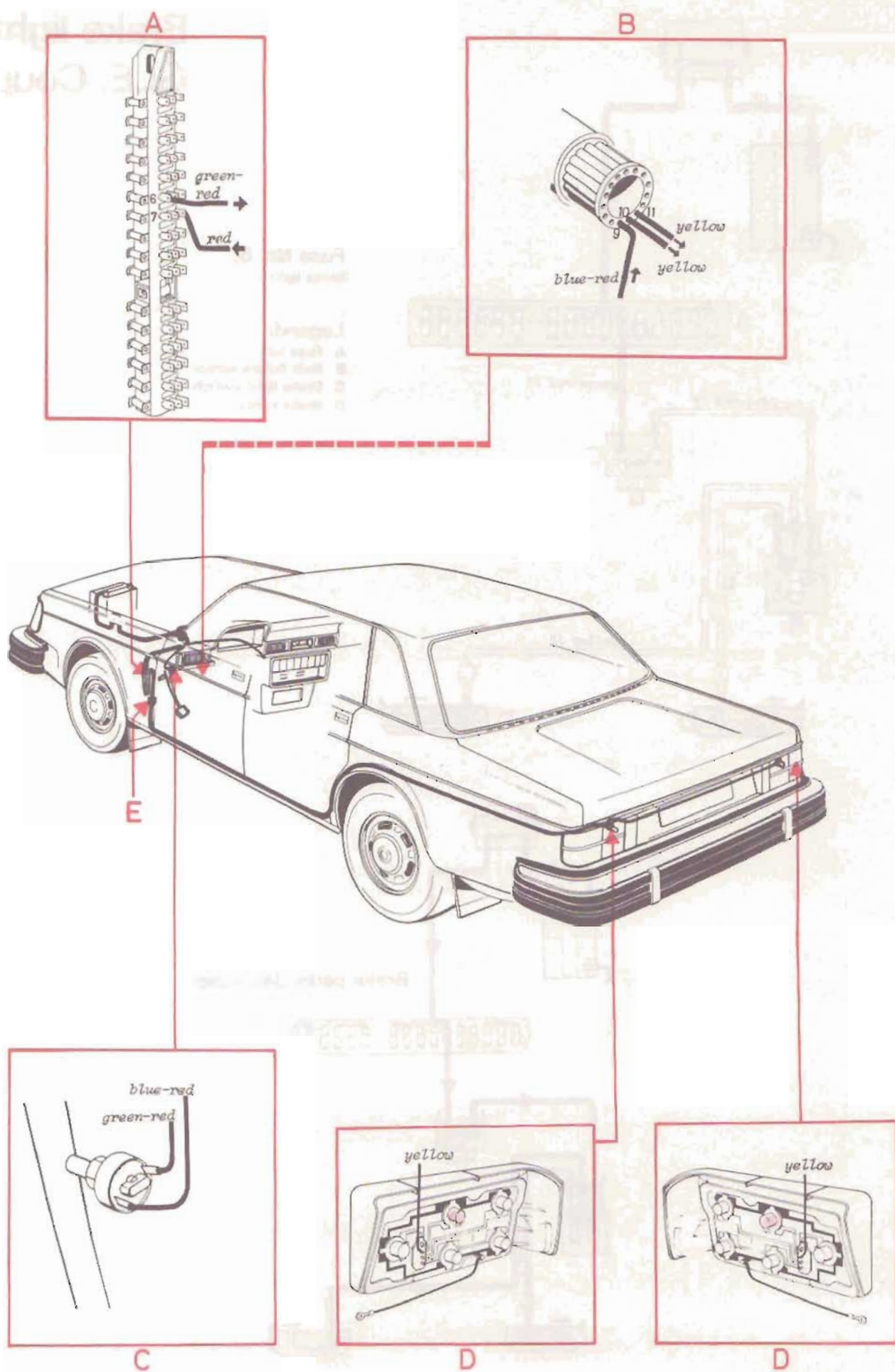
Lights ON

Parking lights, tail lights
license plate lights,
side marker light
Wagon

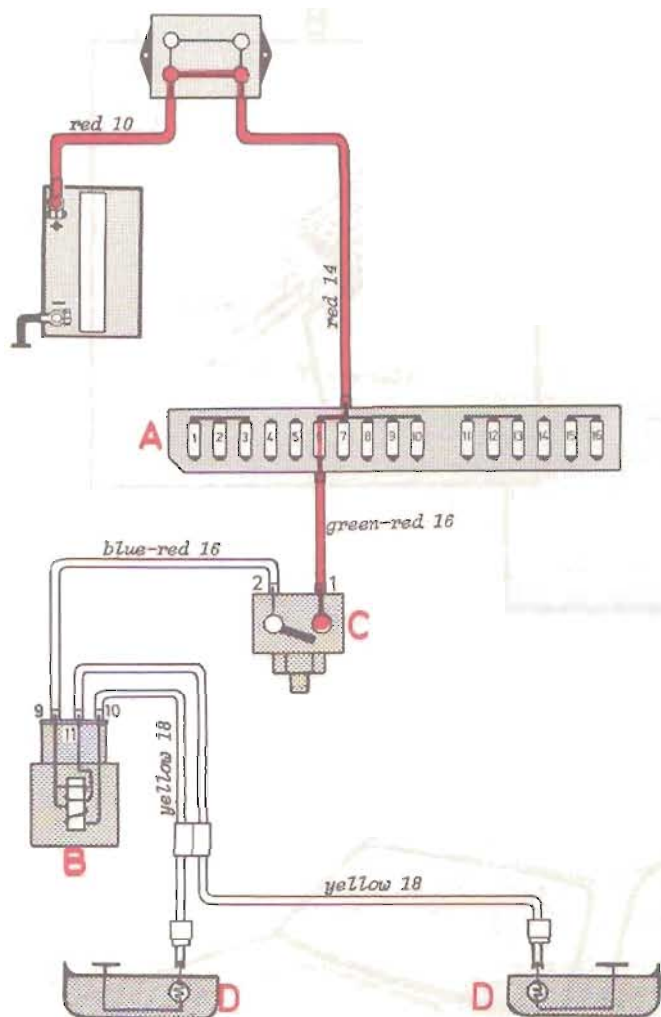


Brake lights DL, GL, GT





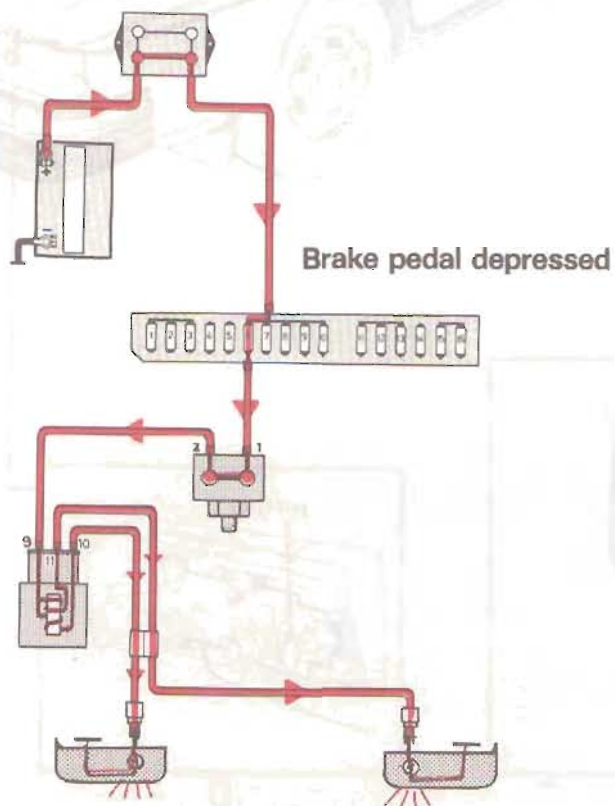
Brake lights GLE, Coupe

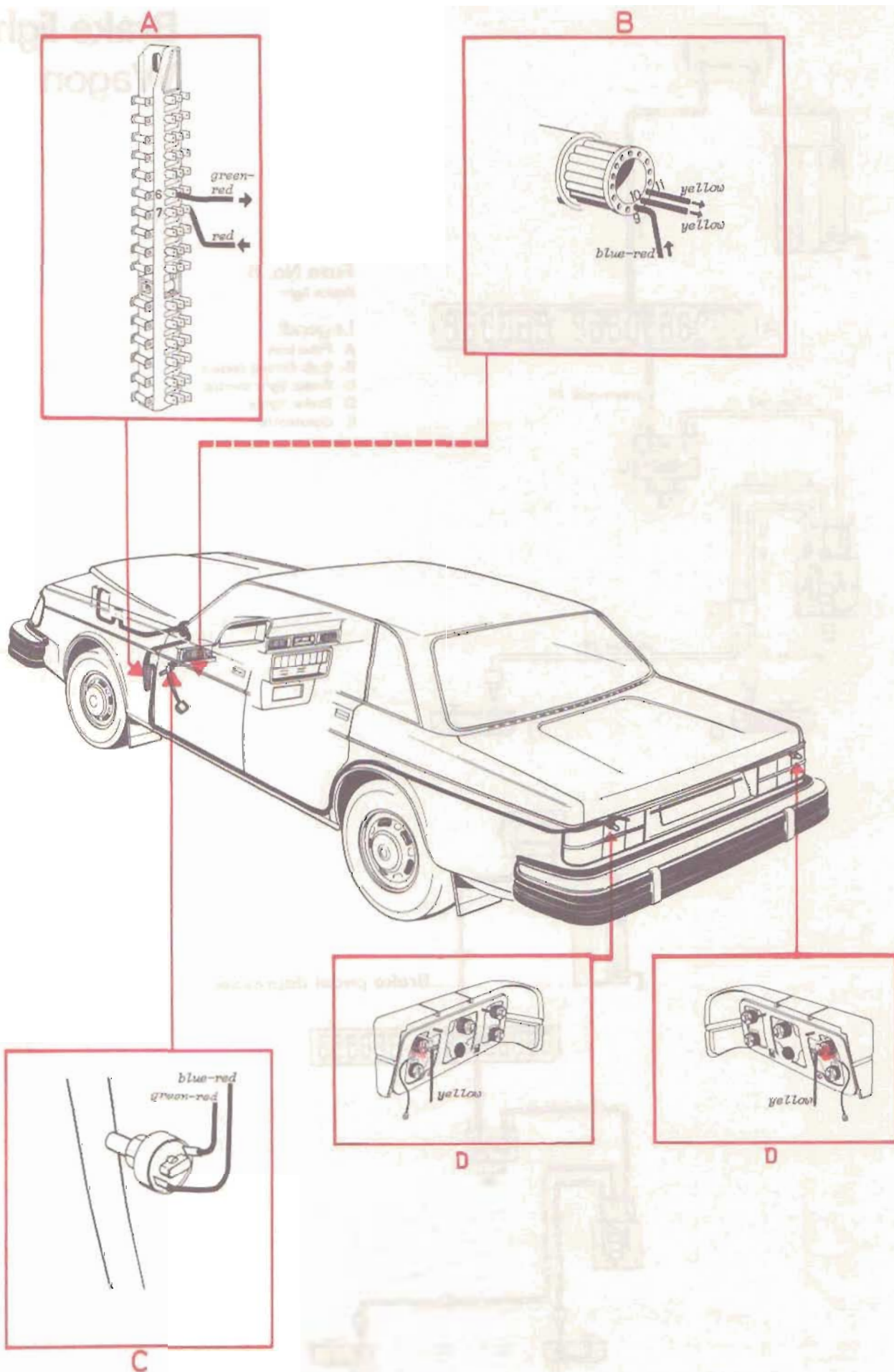


Fuse No. 6:
Brake light

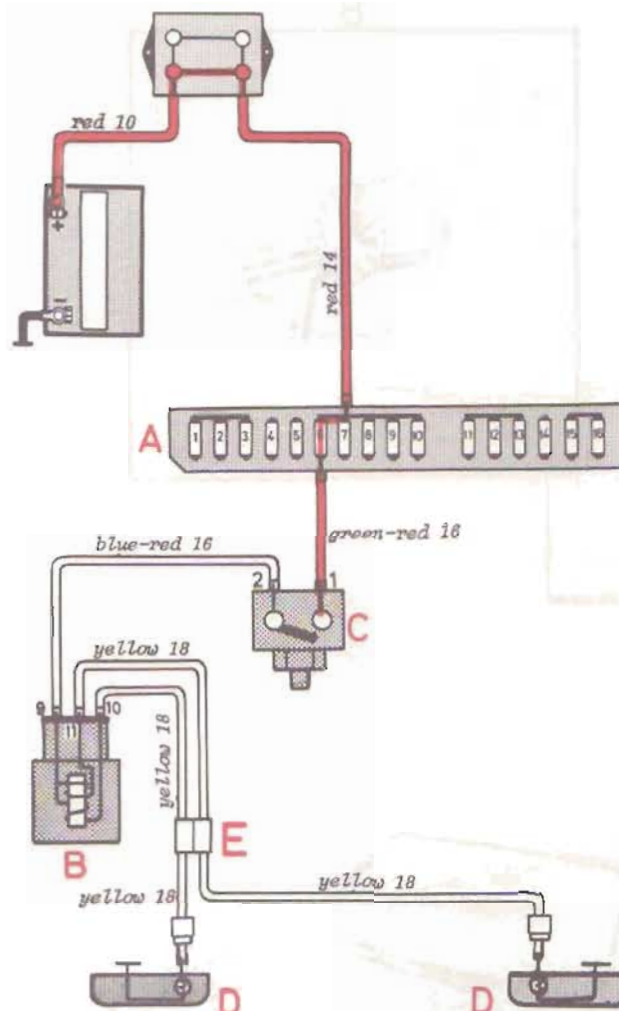
Legend:

- A Fuse box
- B Bulb failure sensor
- C Brake light switch
- D Brake lights





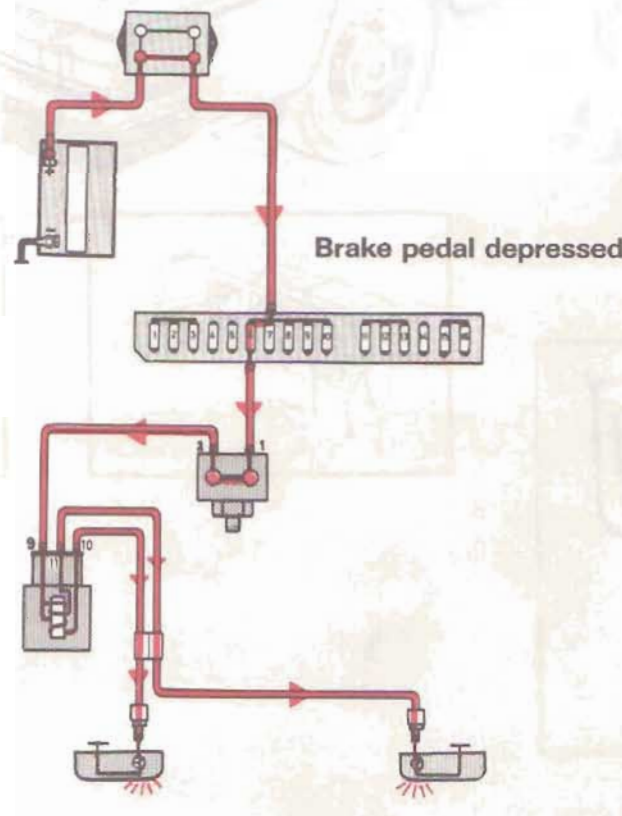
Brake lights Wagon

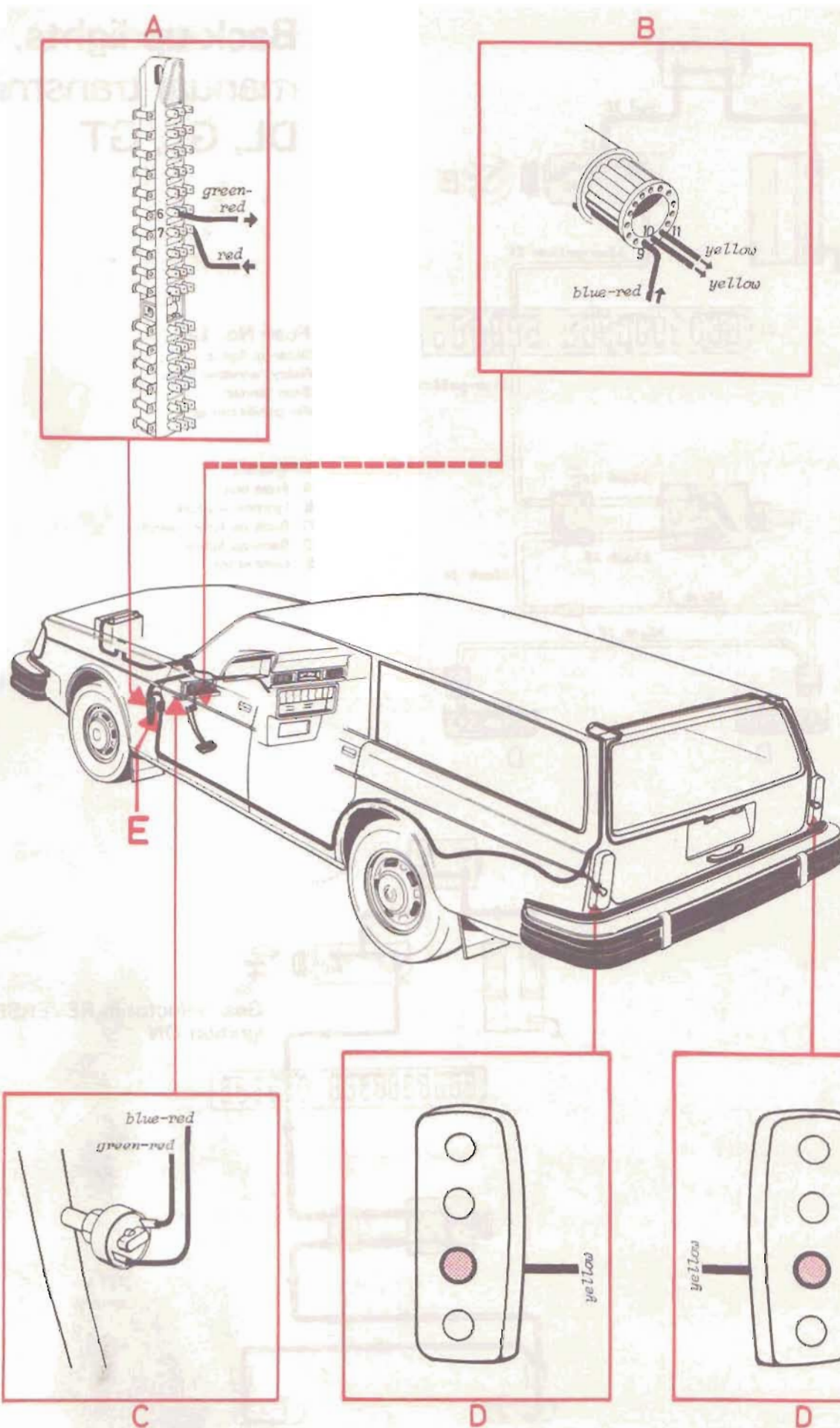


Fuse No. 6:
Brake light

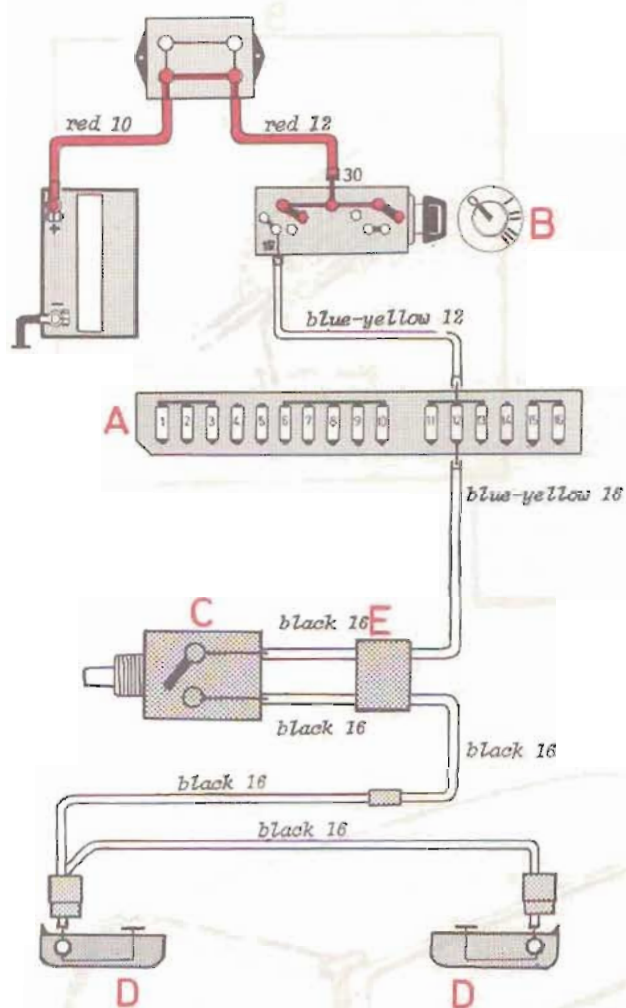
Legend:

- A Fuse box
- B Bulb failure sensor
- C Brake light switch
- D Brake lights
- E Connector



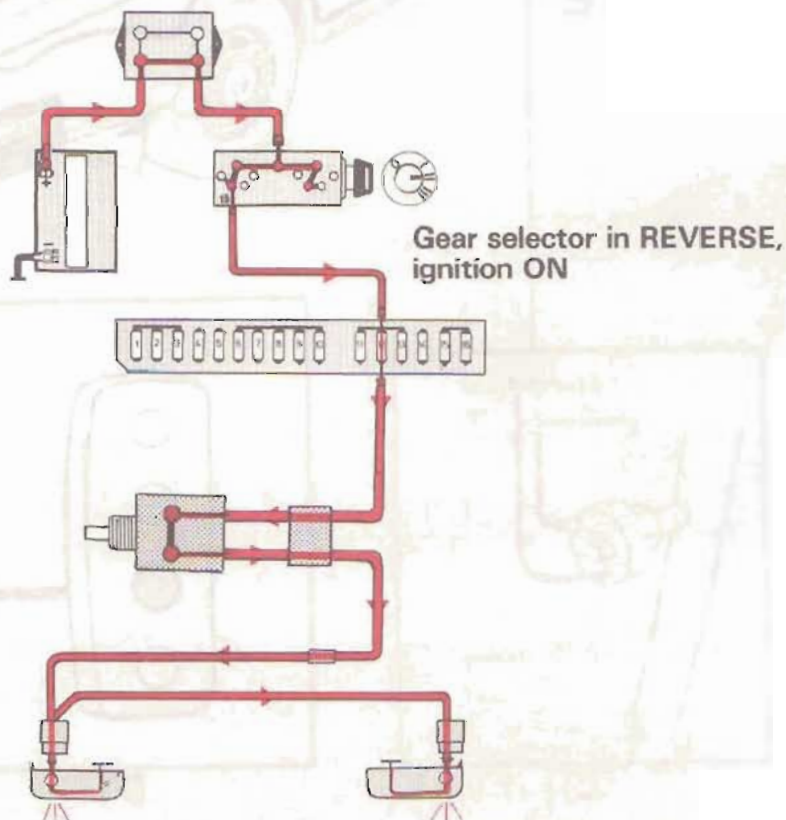


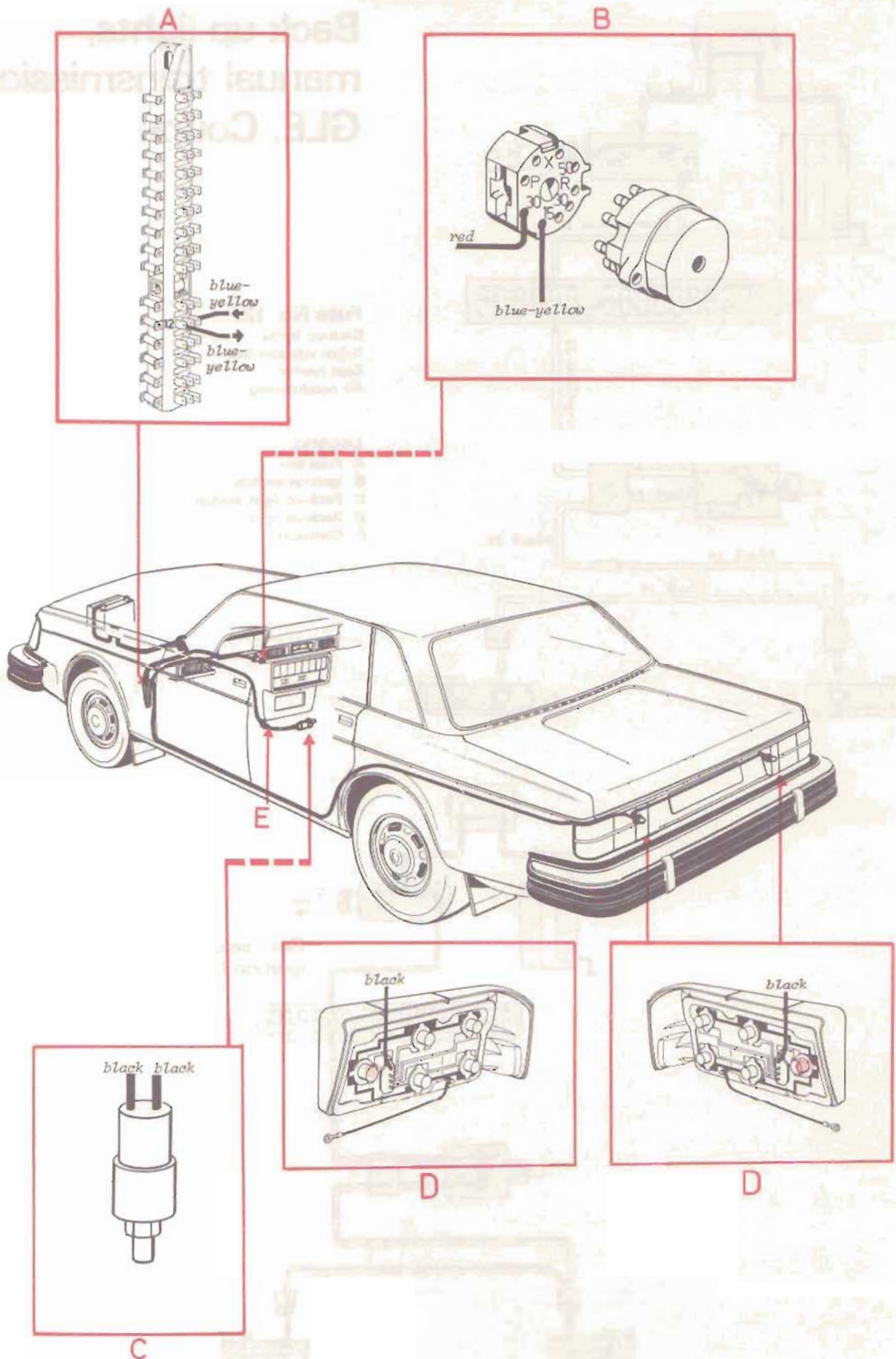
Back-up lights, manual transmission DL, GL, GT



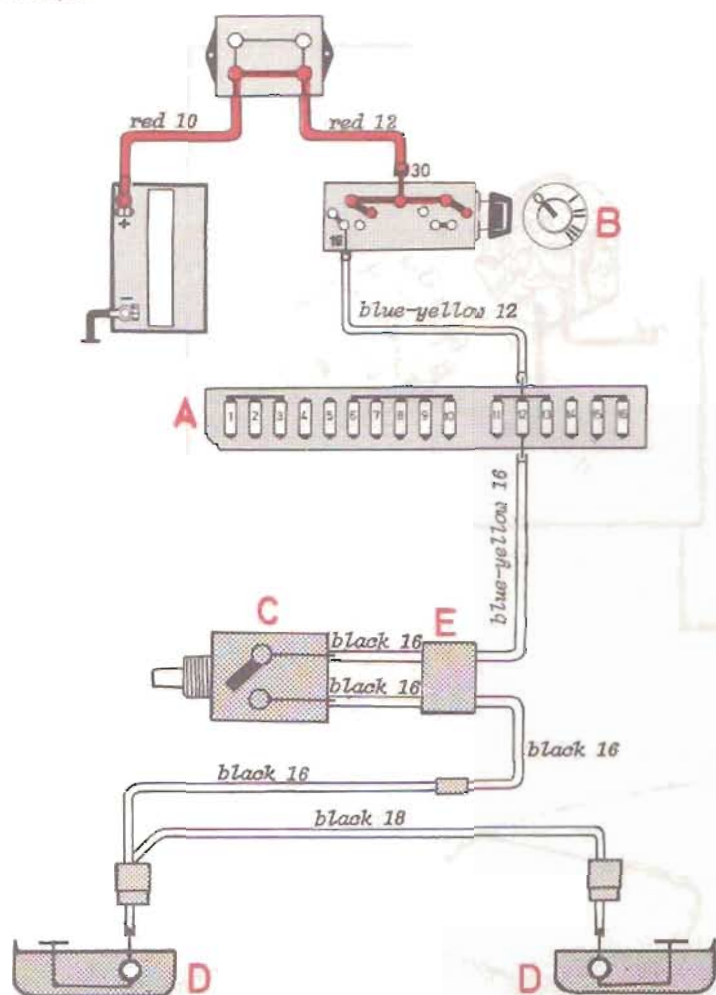
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:
A Fuse box
B Ignition switch
C Back-up light switch
D Back-up lights
E Connector





Back-up lights, manual transmission GLE, Coupe

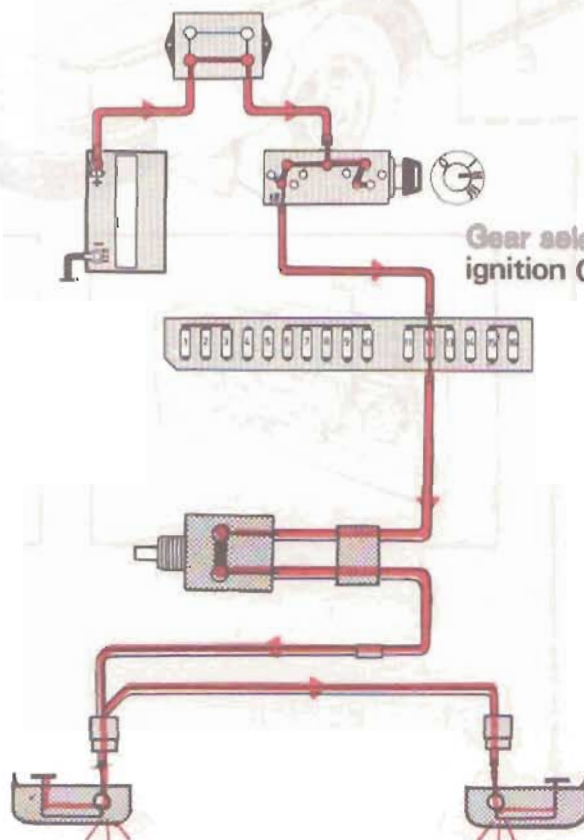


Fuse No. 12:

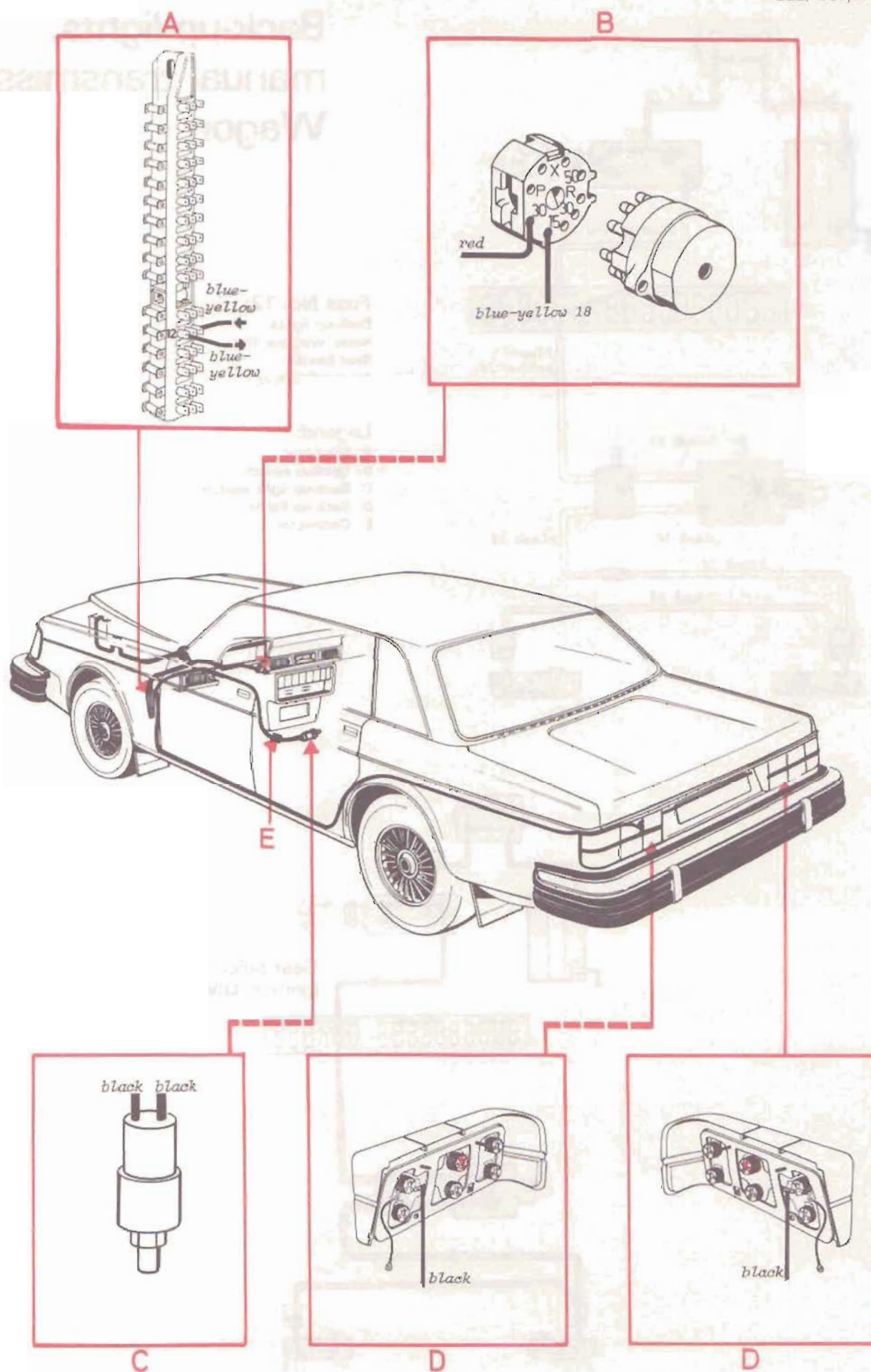
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

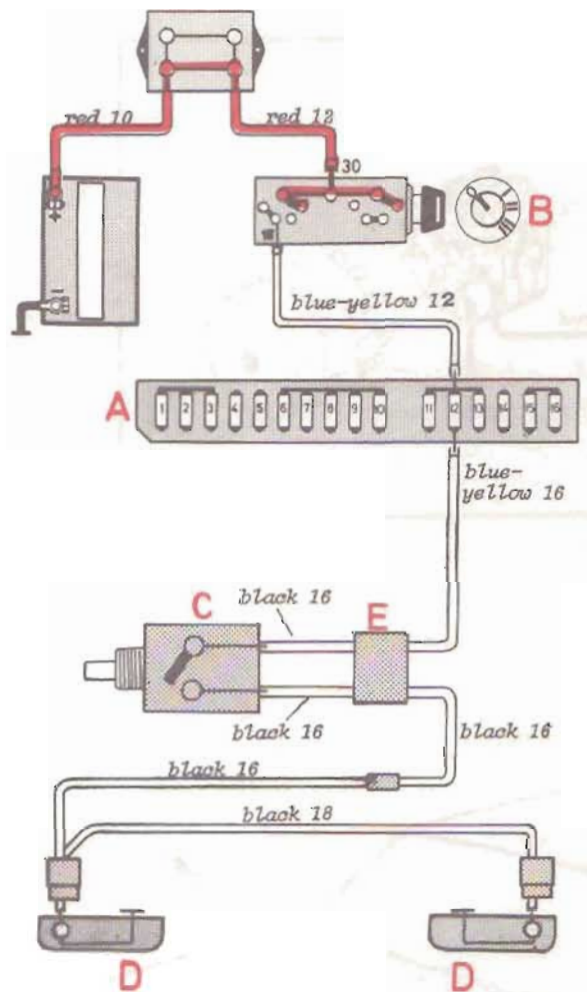
A Fuse box
B Ignition switch
C Back-up light switch
D Back-up light
E Connector



Gear selector in REVERSE,
ignition ON



Back-up lights, manual transmission Wagon

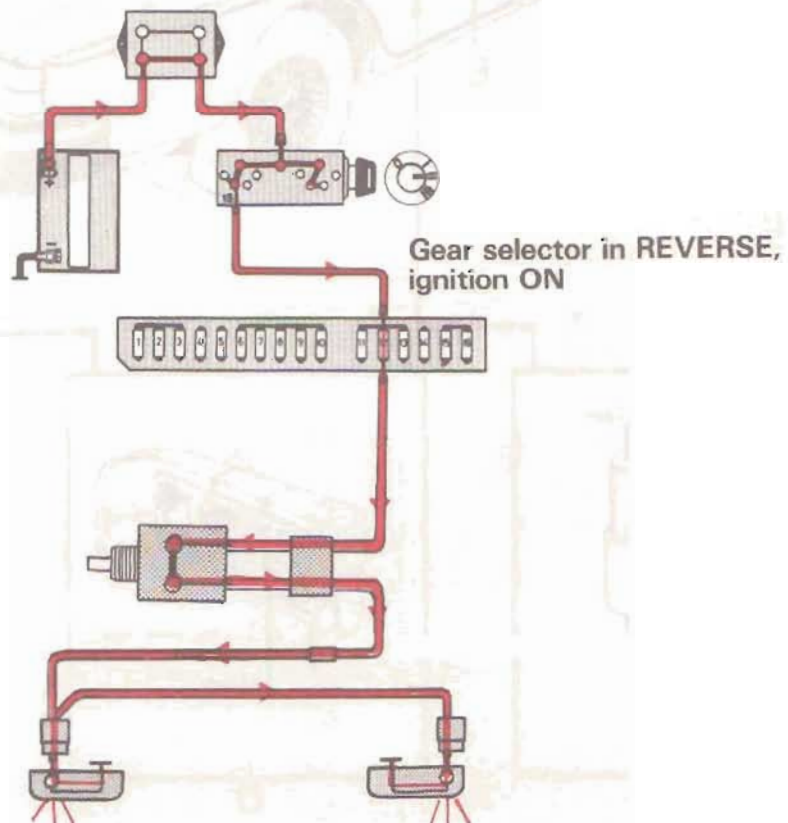


Fuse No. 12:

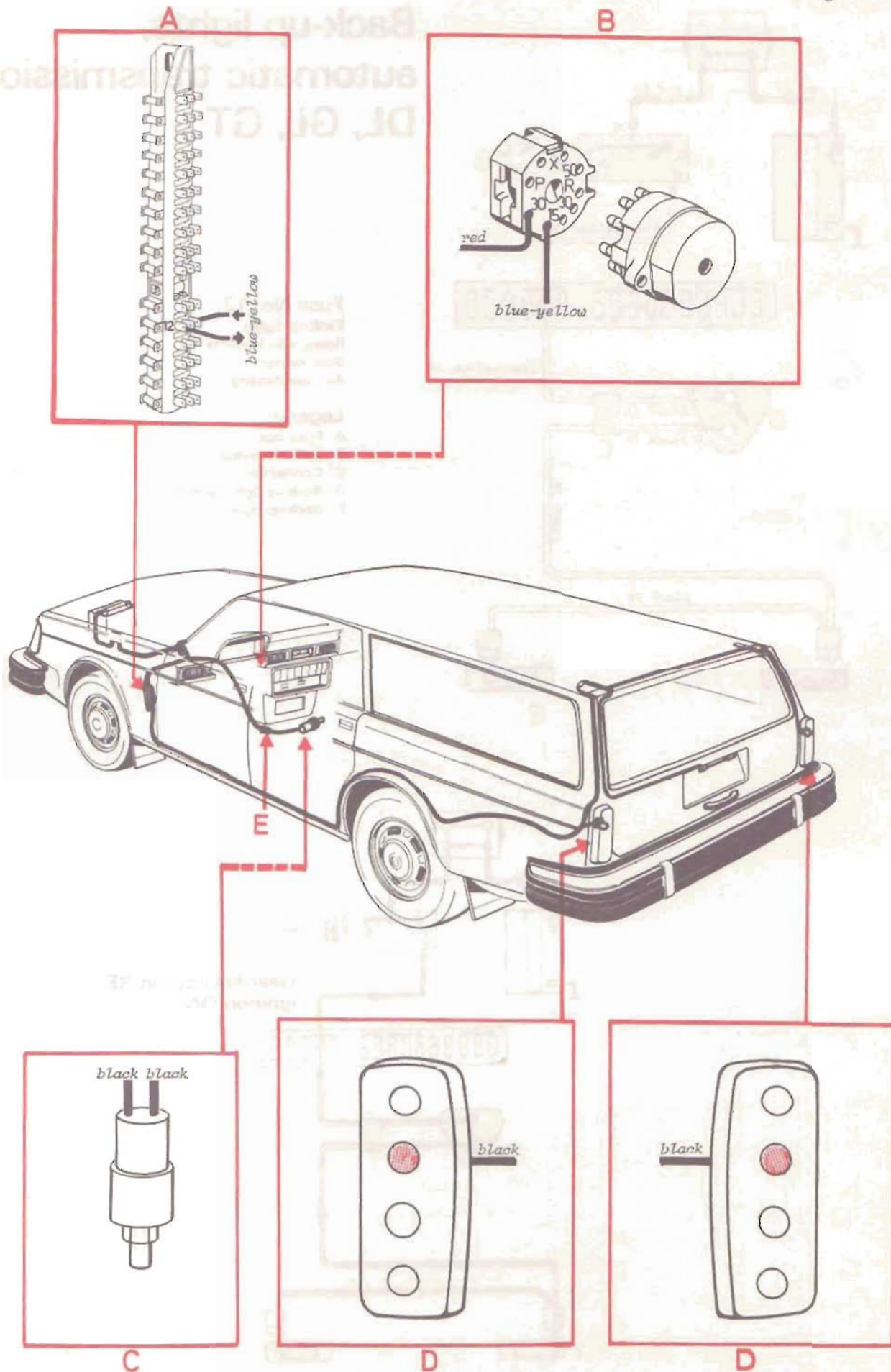
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

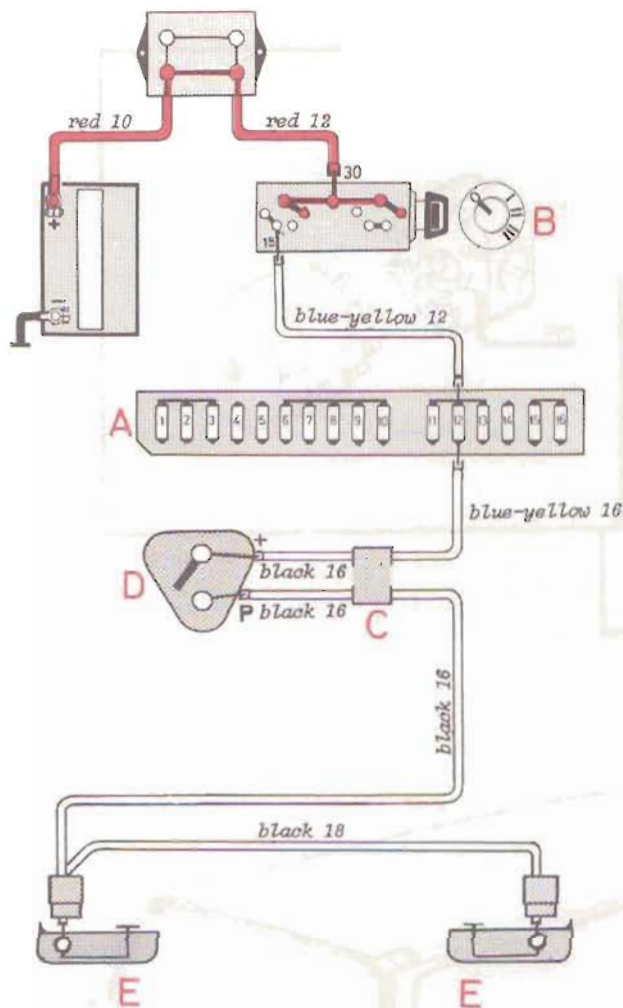
- A Fuse box
- B Ignition switch
- C Back-up light switch
- D Back-up lights
- E Connector



Gear selector in REVERSE,
ignition ON

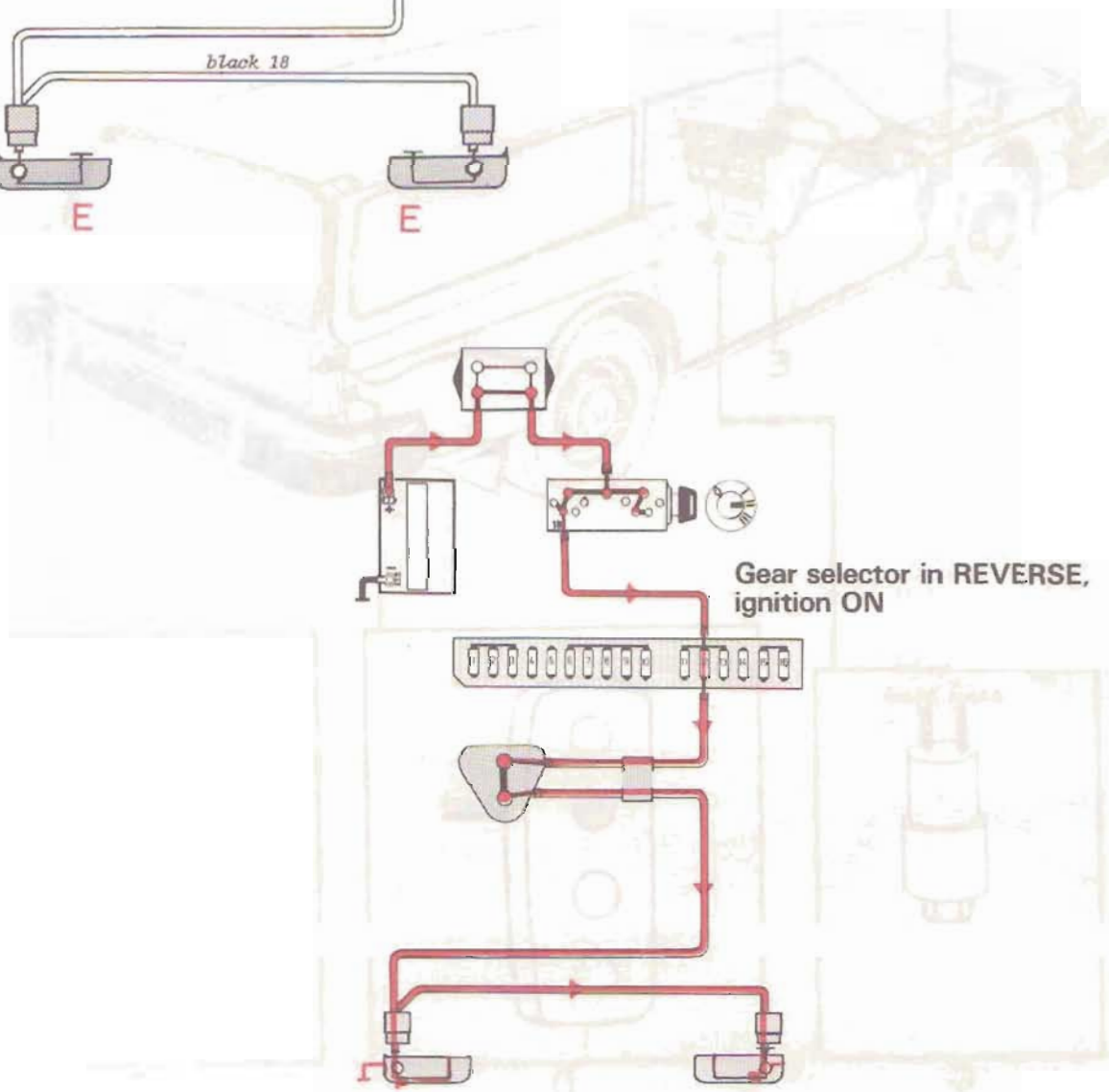


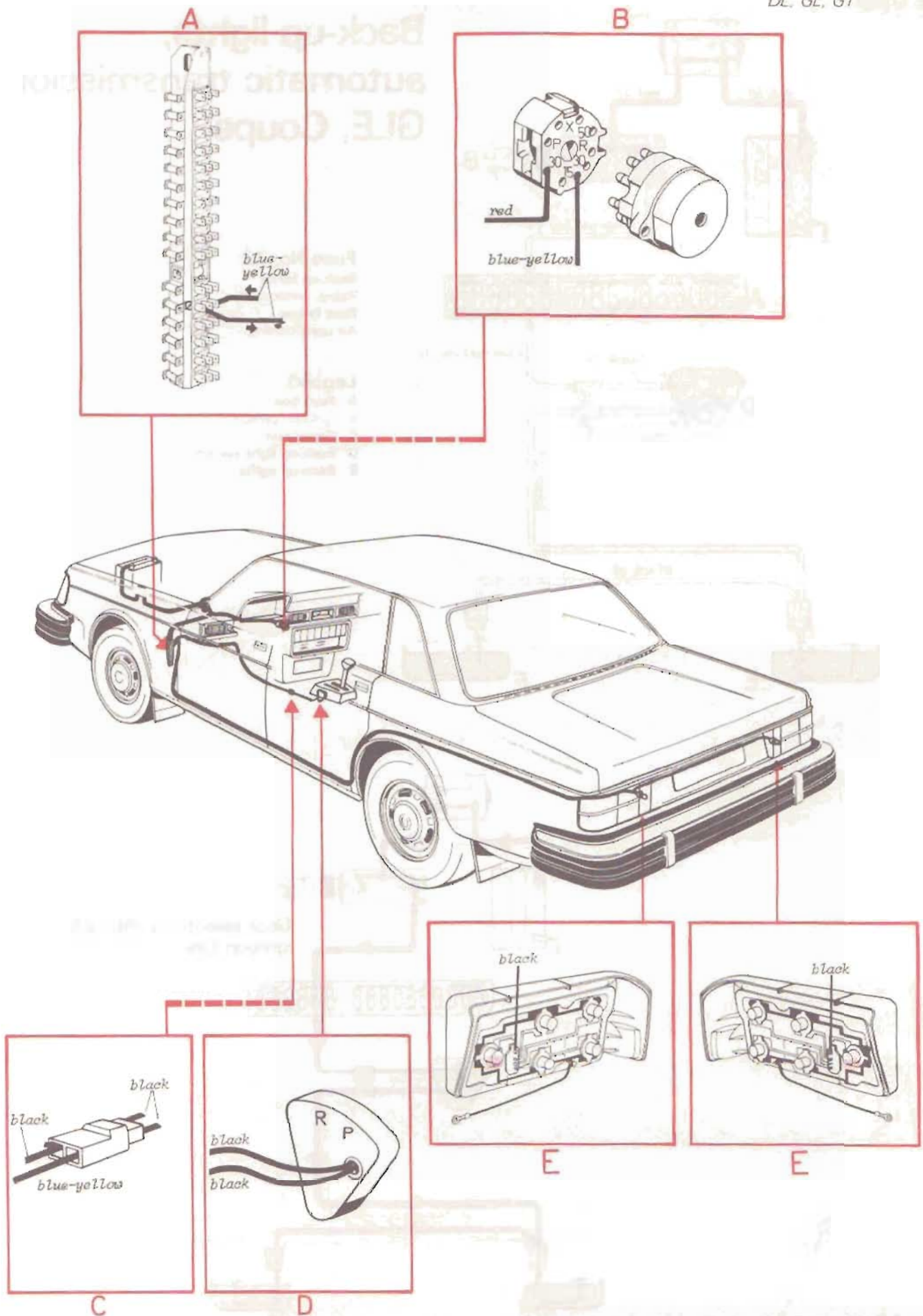
Back-up lights, automatic transmission DL, GL, GT



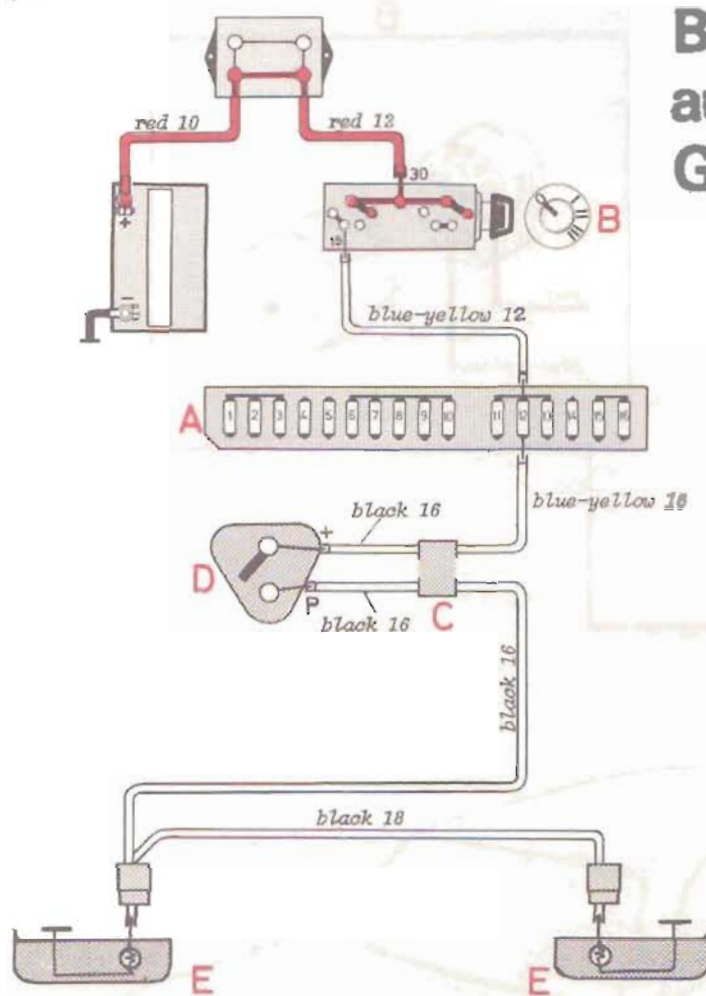
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:
A Fuse box
B Ignition switch
C Connector
D Back-up light switch
E Back-up lights



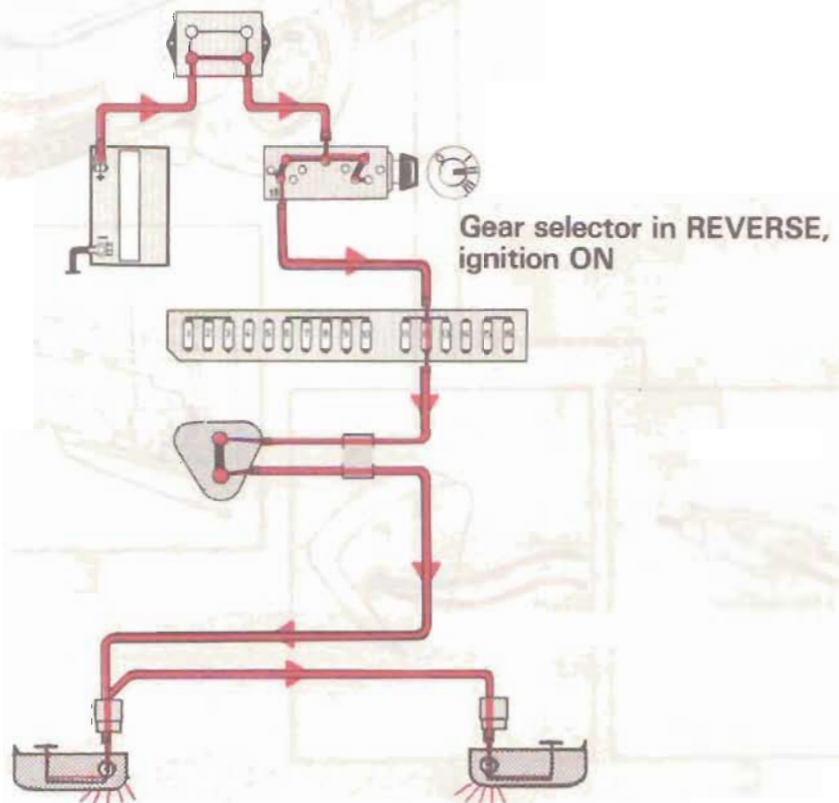


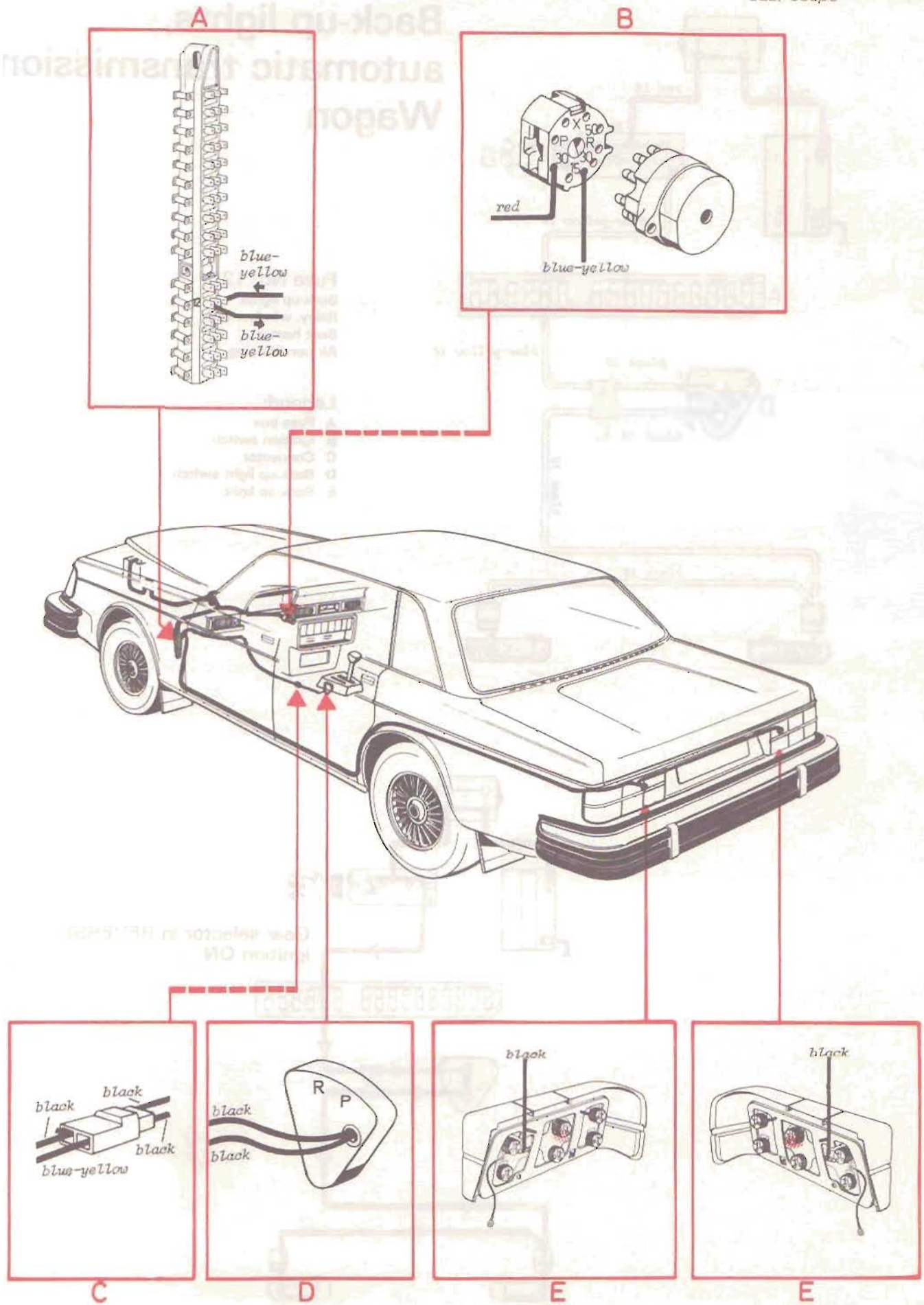
Back-up lights, automatic transmission GLE, Coupe



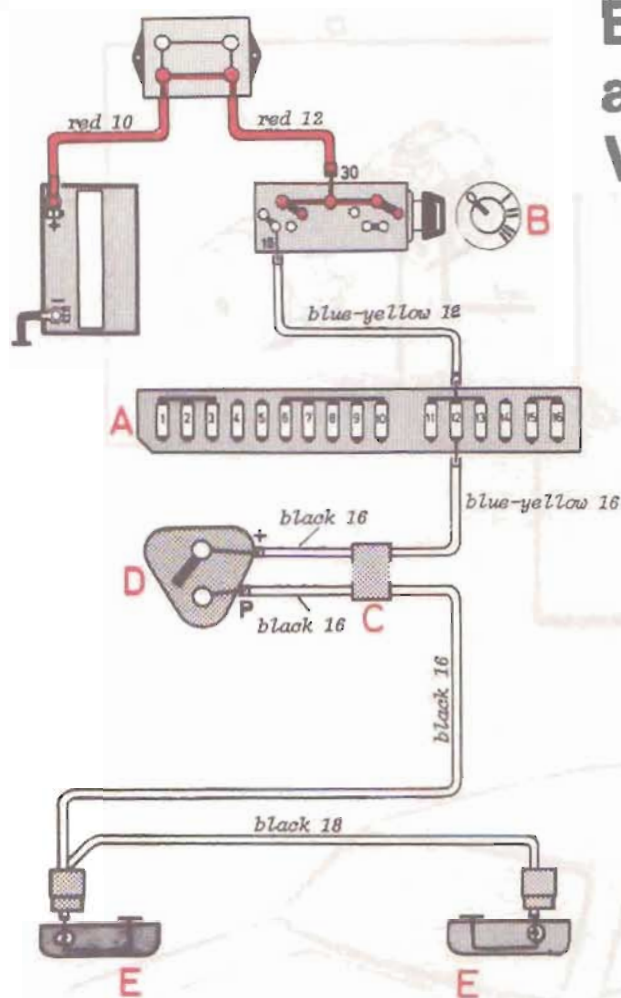
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:
A Fuse box
B Ignition switch
C Connector
D Back-up light switch
E Back-up lights



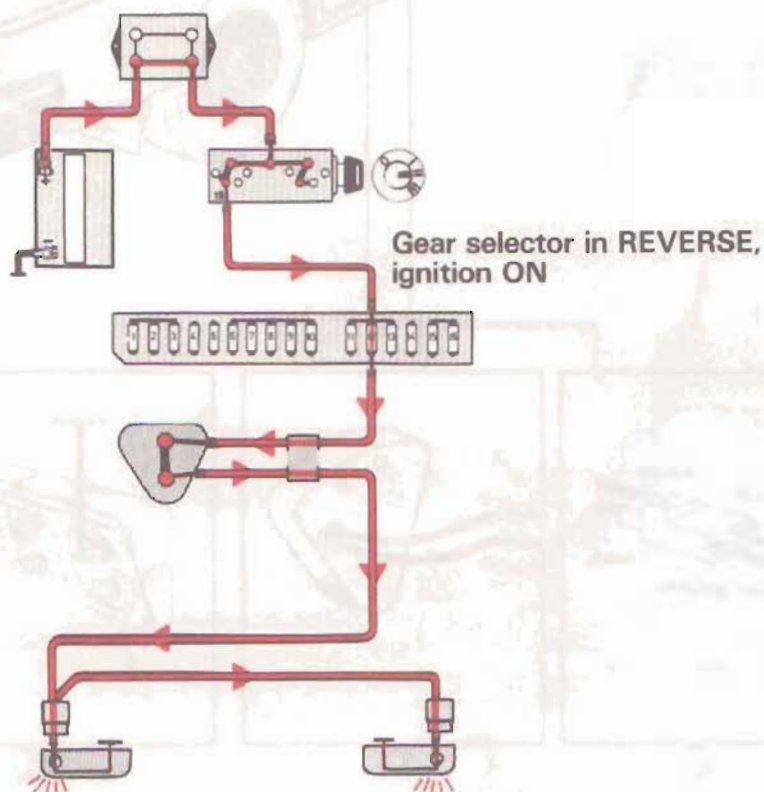


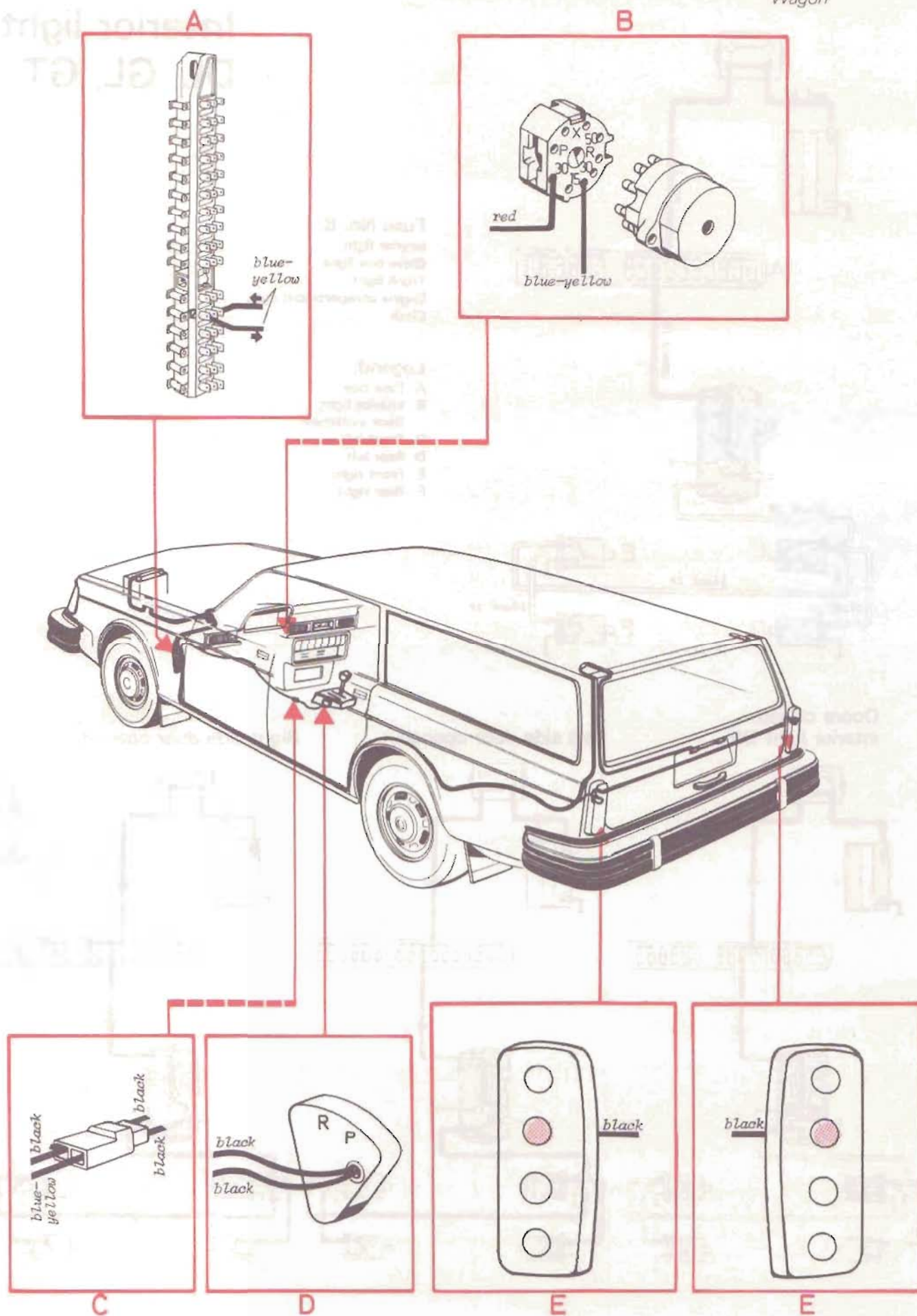
Back-up lights, automatic transmission Wagon



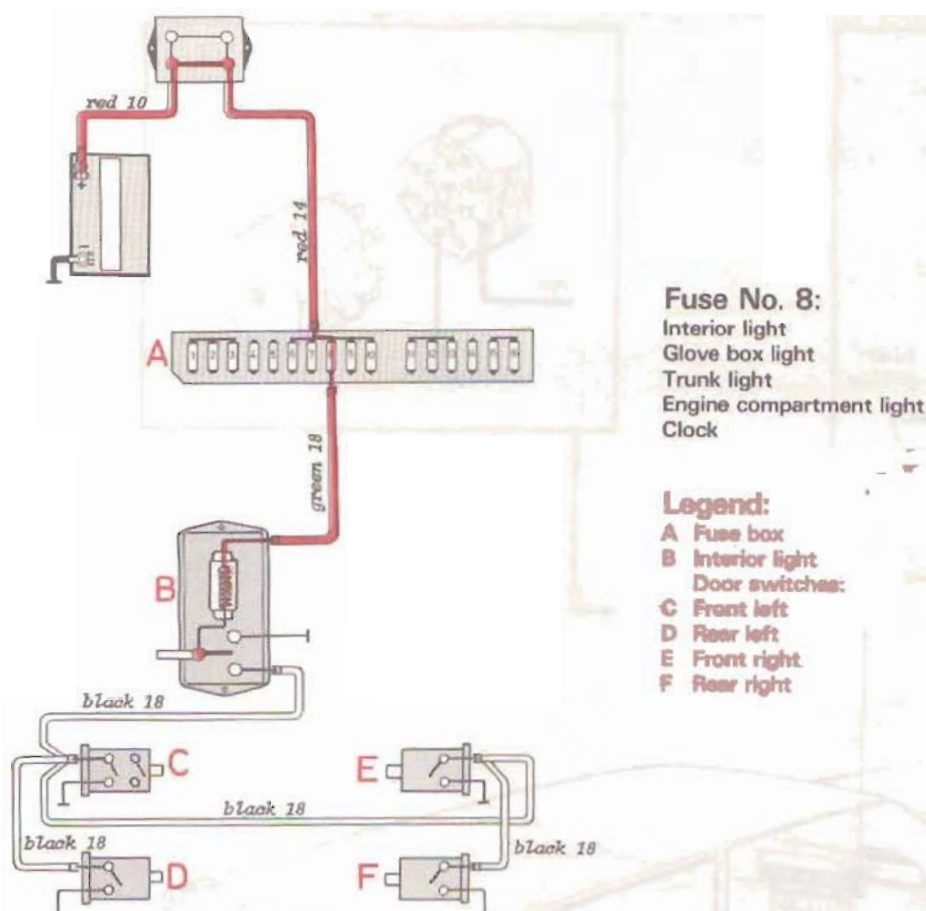
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:
A Fuse box
B Ignition switch
C Connector
D Back-up light switch
E Back-up light





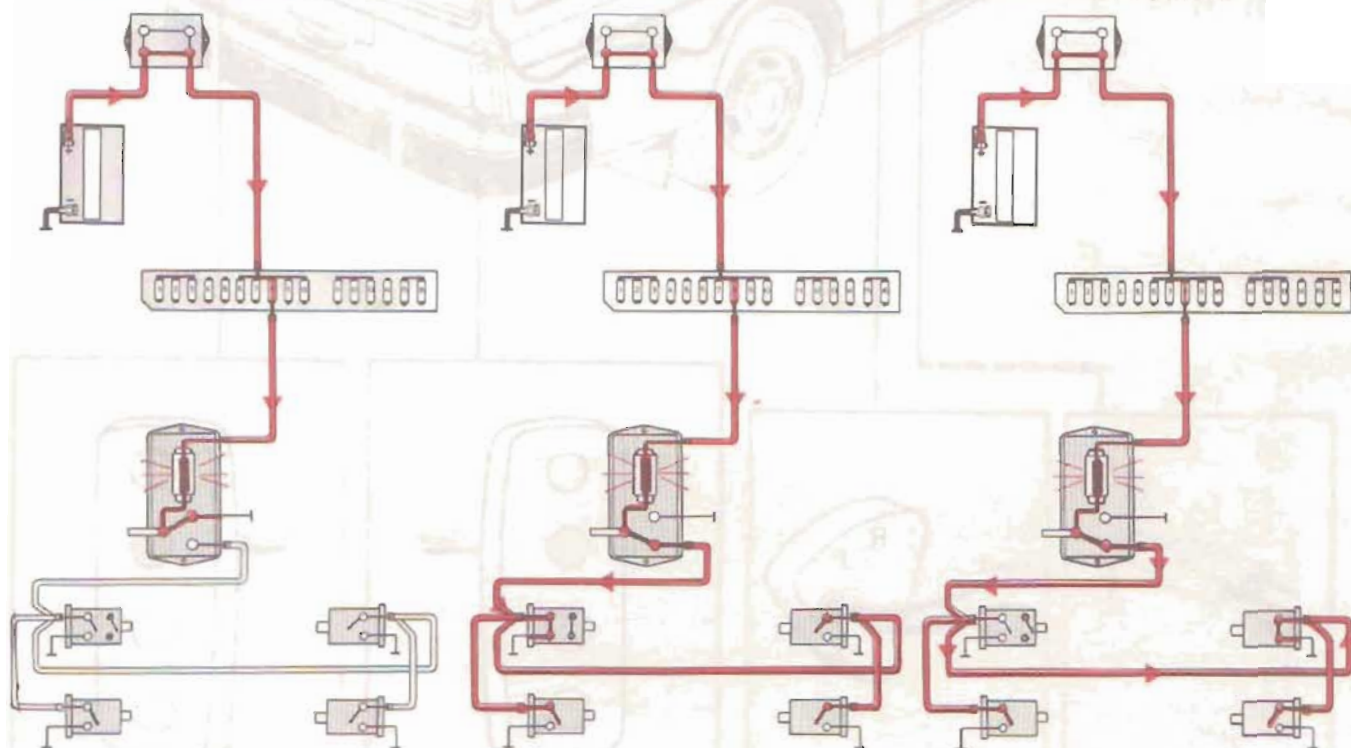
Interior light DL, GL, GT

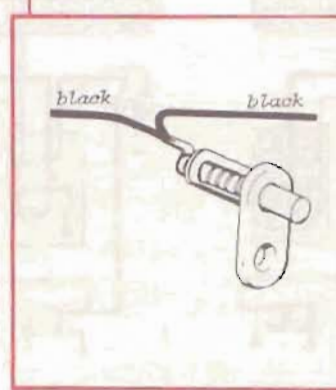
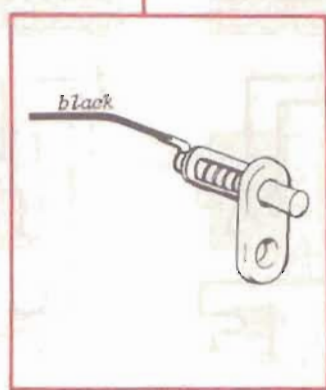
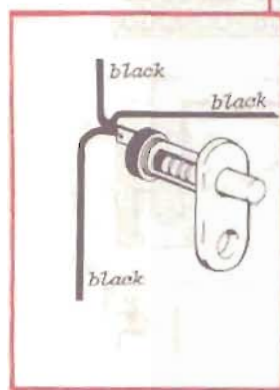
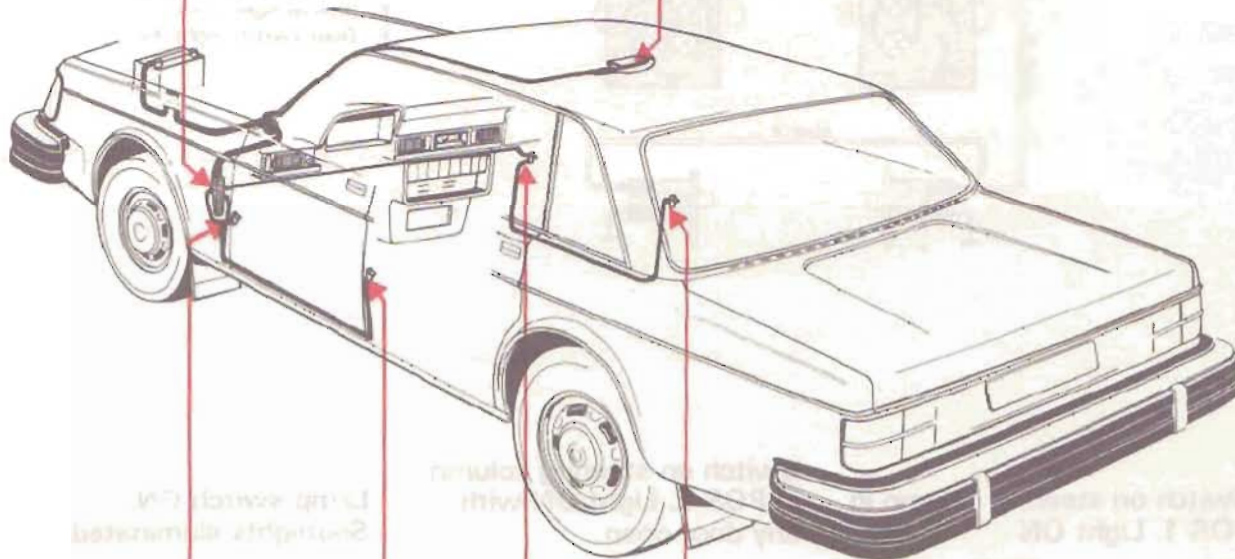
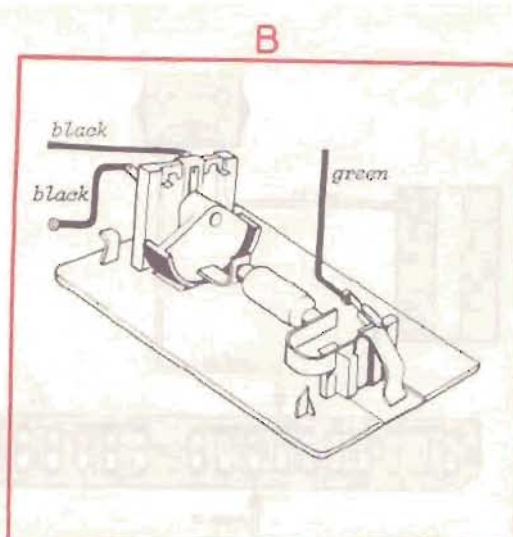
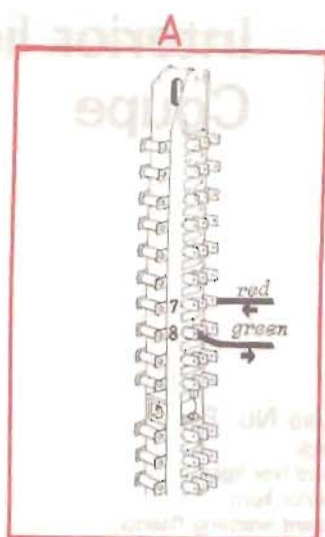


Doors closed,
interior light ON

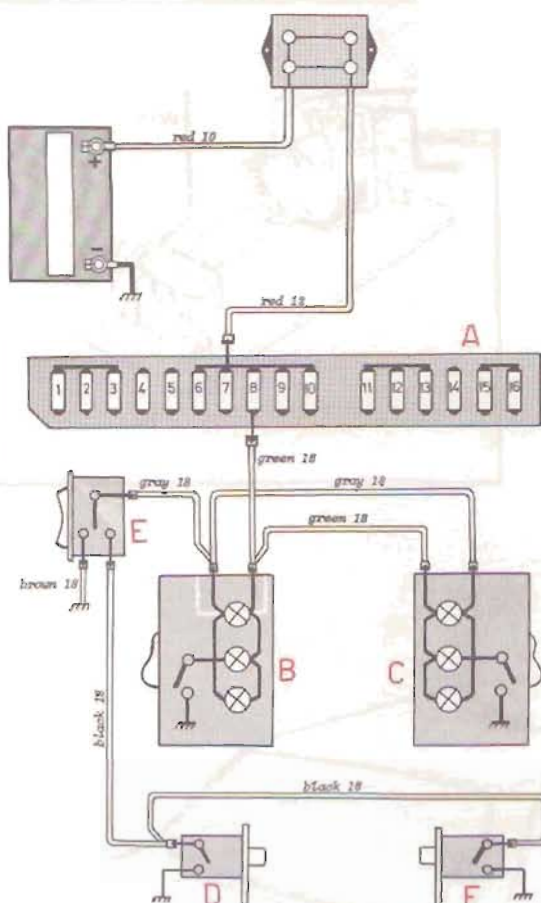
Left side door opened

Right side door opened





Interior light Coupe



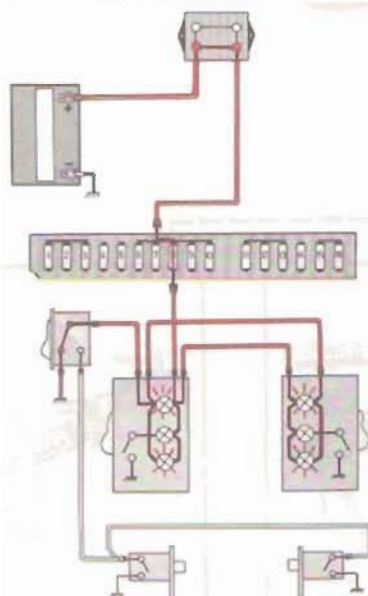
Fuse No. 8

Clock
Glove box light
Interior light
Hazard warning flasher

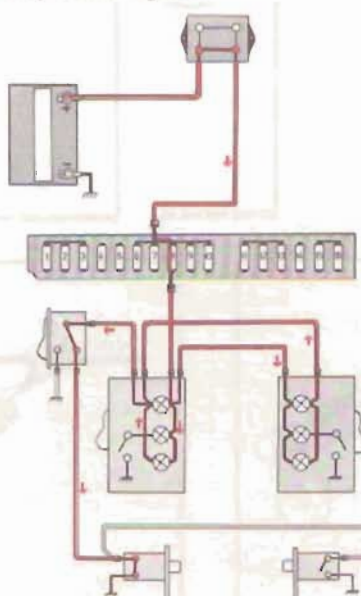
Legend:

- A Fuse box
- B Interior light, left side
- C Interior light, right side
- D Door switch, left door
- E Interior light switch
- F Door switch, right door

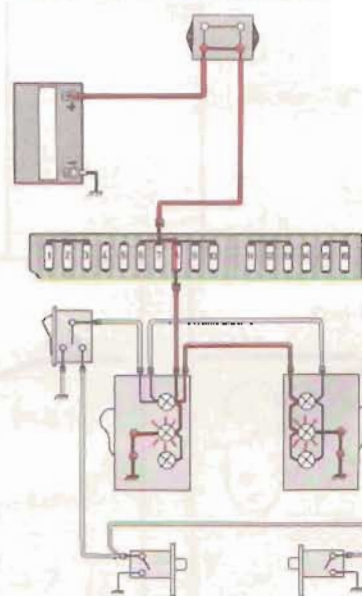
Switch on steering column in
POS 1. Light ON

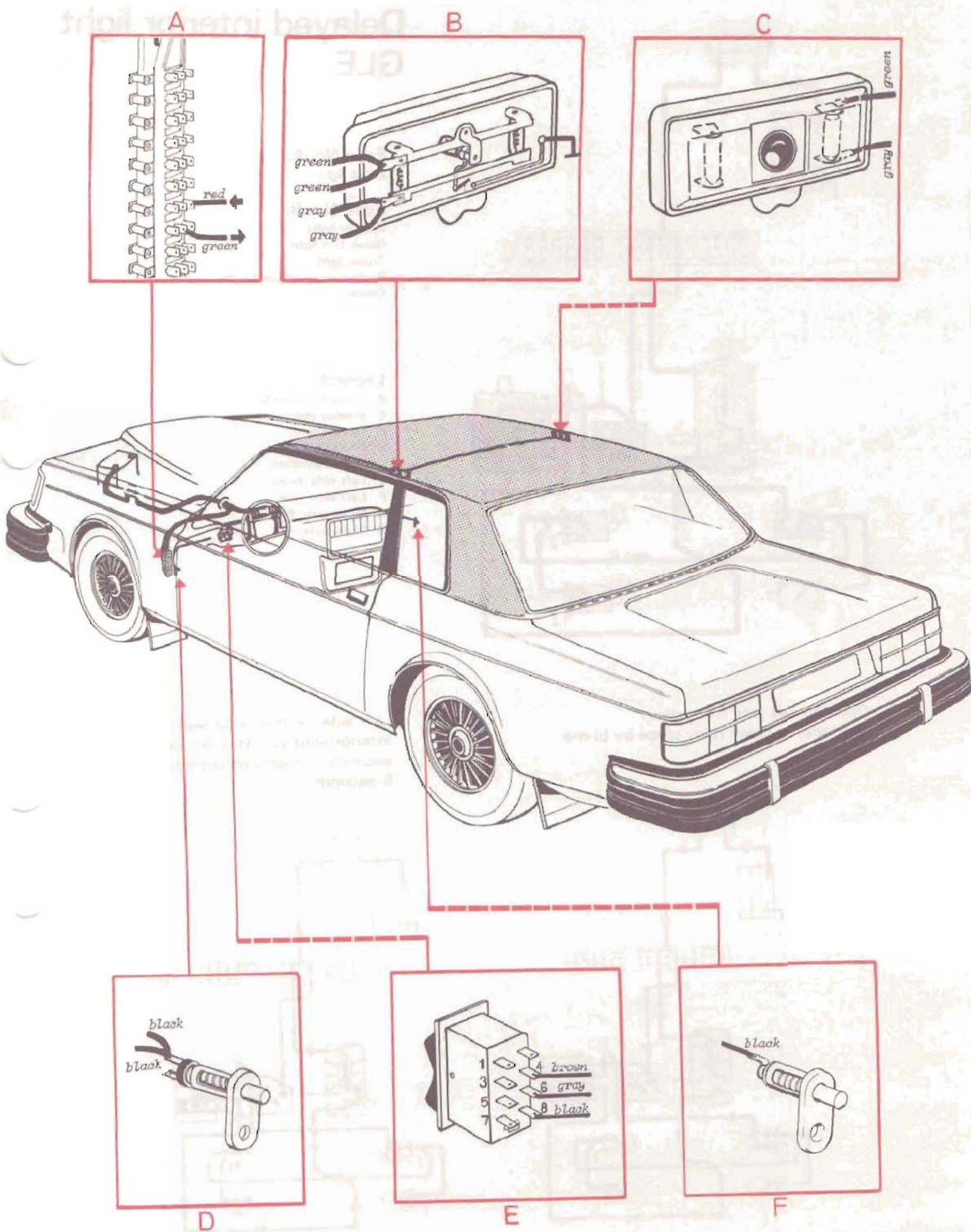


Switch on steering column in
POS 2. Light ON with
any door open.



Lamp switch ON.
Spotlights illuminated.





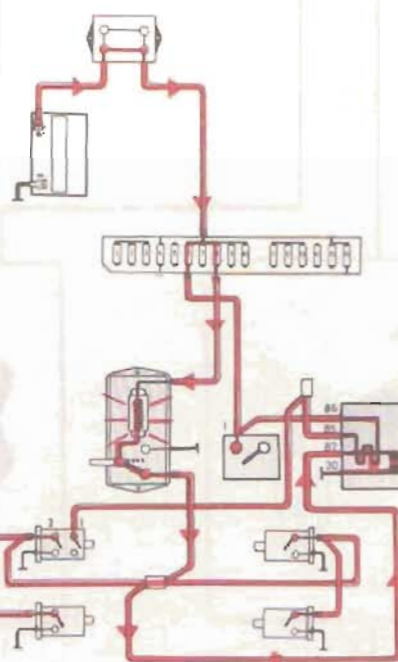


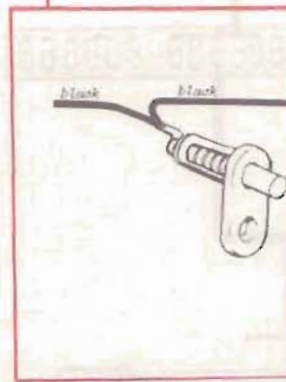
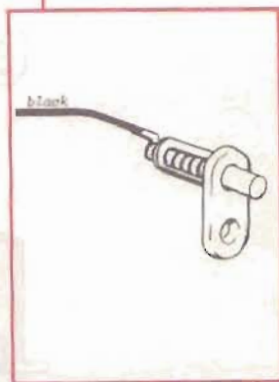
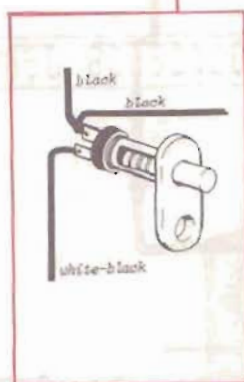
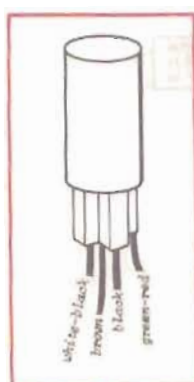
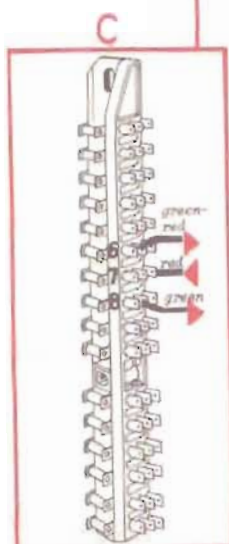
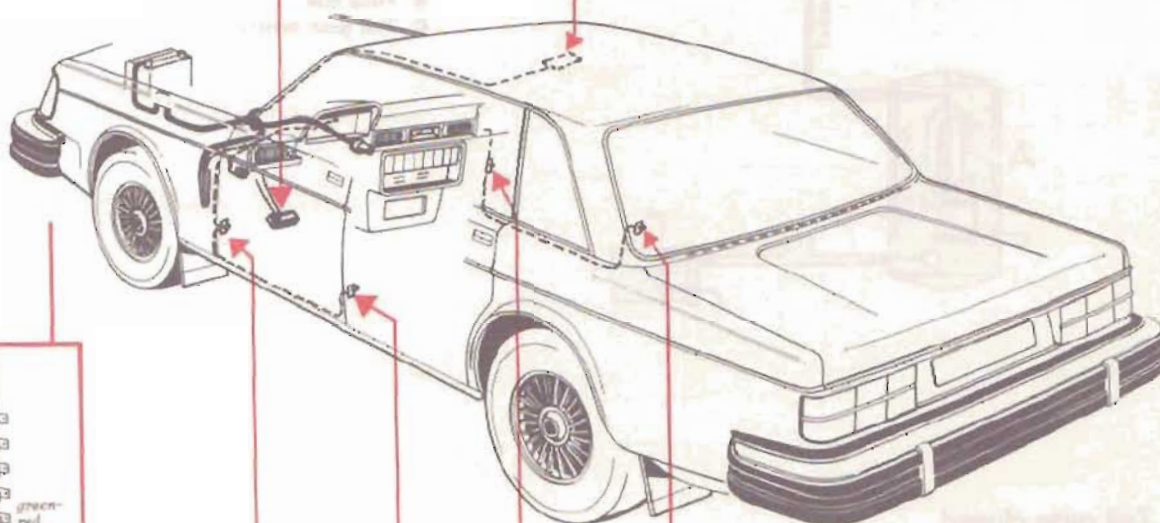
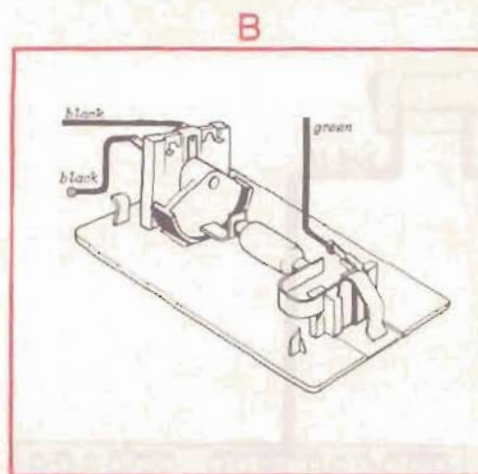
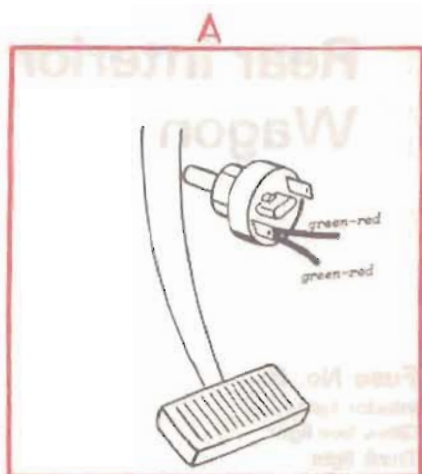
Fuse No. 8:
Interior light
Glove box light
Trunk light
Engine compartment light
Clock

Legend:

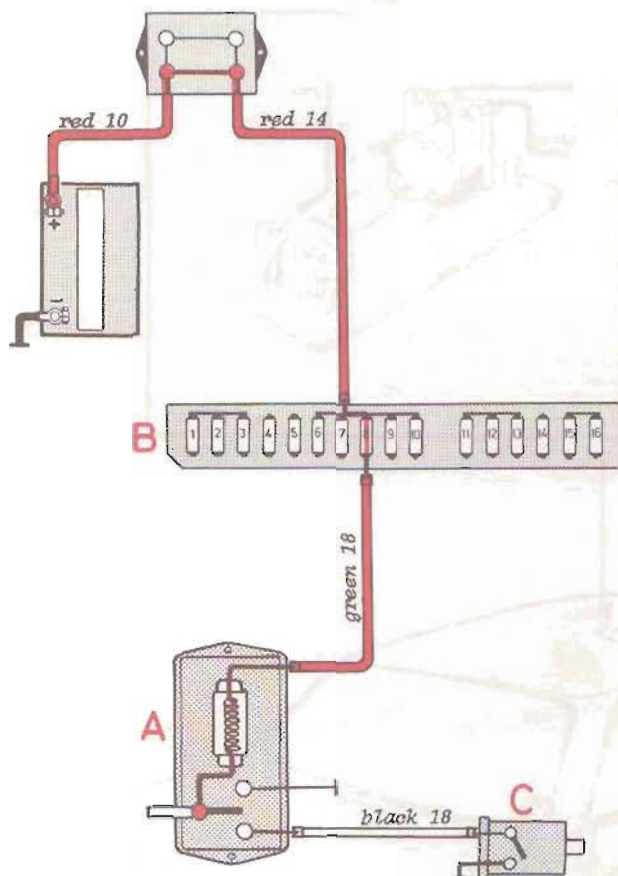
- A Brake light switch
- B Interior light
- C Fuse box
- D Delay relay
- Door switches:
- E Left side, front
- F Left side, rear
- G Right side, front
- H Right side, rear

Left side front door closed again.
Interior light will stay on for 10-17
seconds if door was open for minimum
6 seconds.





Rear interior light Wagon



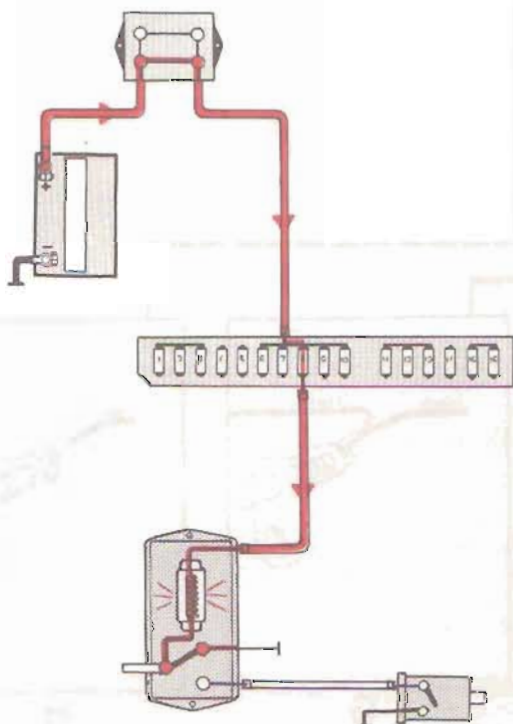
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

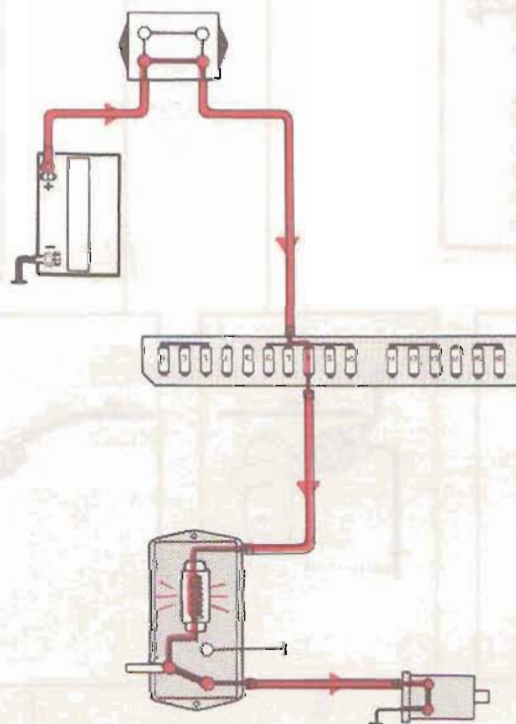
Legend:

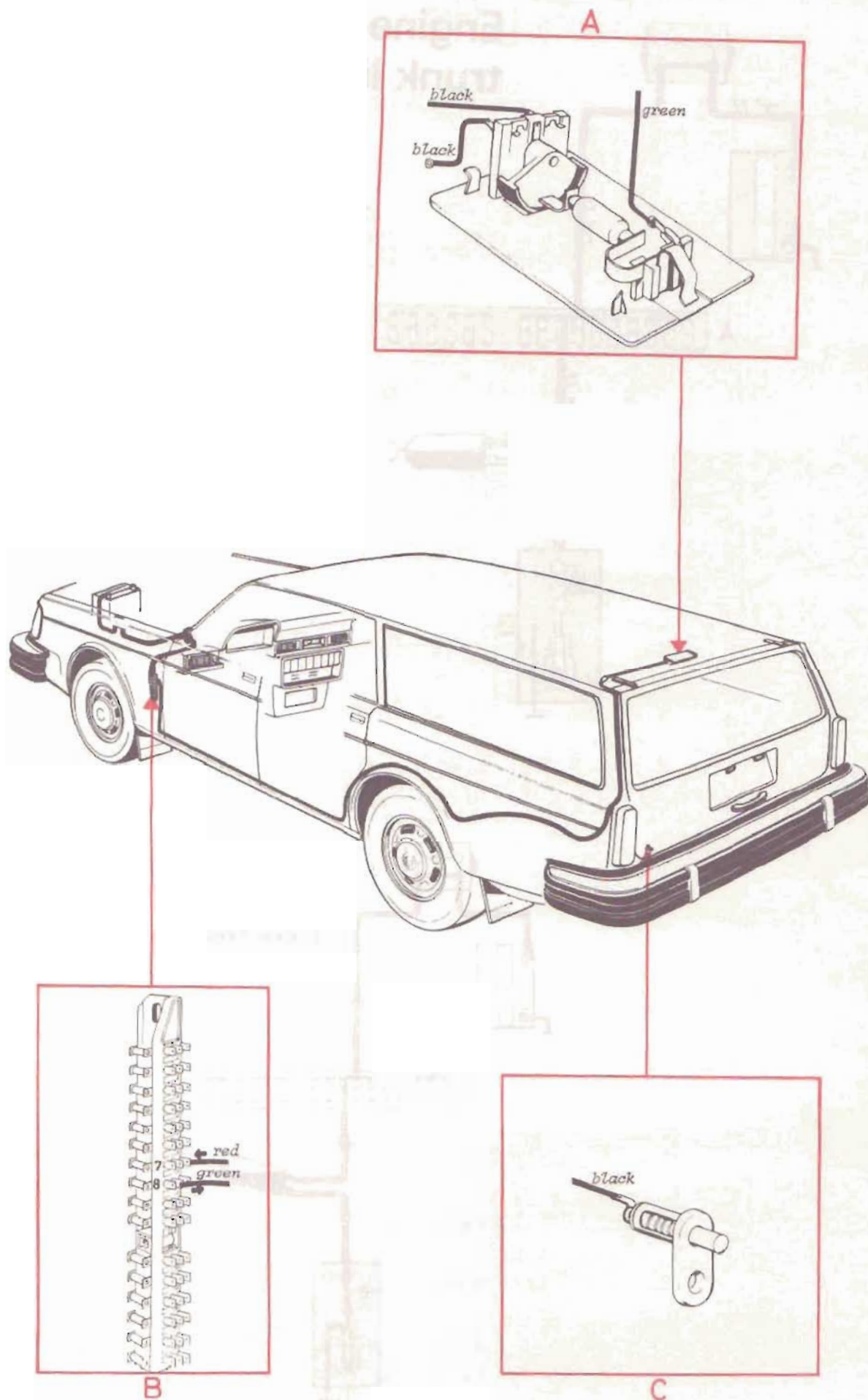
A Rear interior light
B Fuse box
C Tail gate switch

Tail gate closed,
rear interior light ON

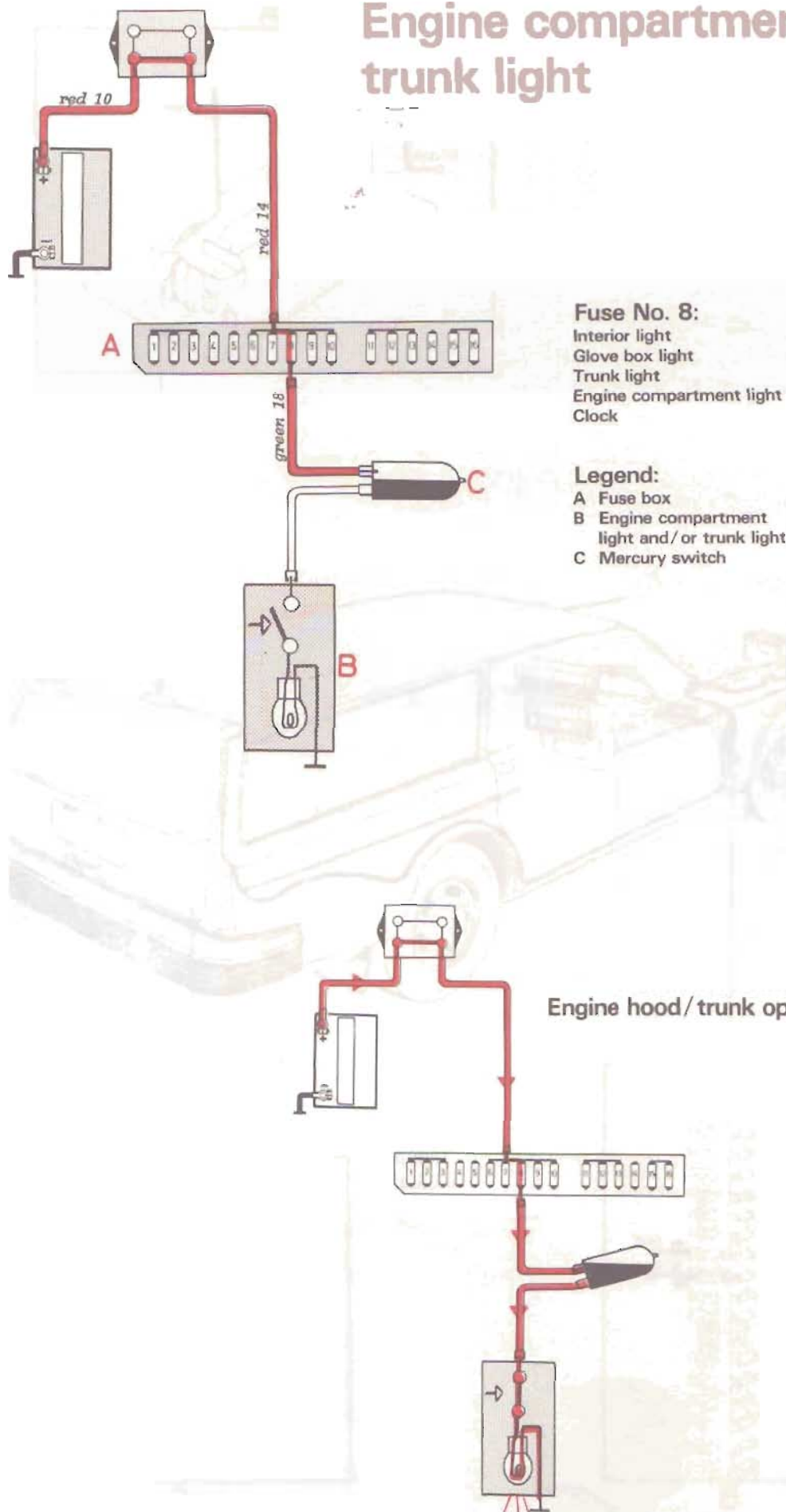


Tail gate opened



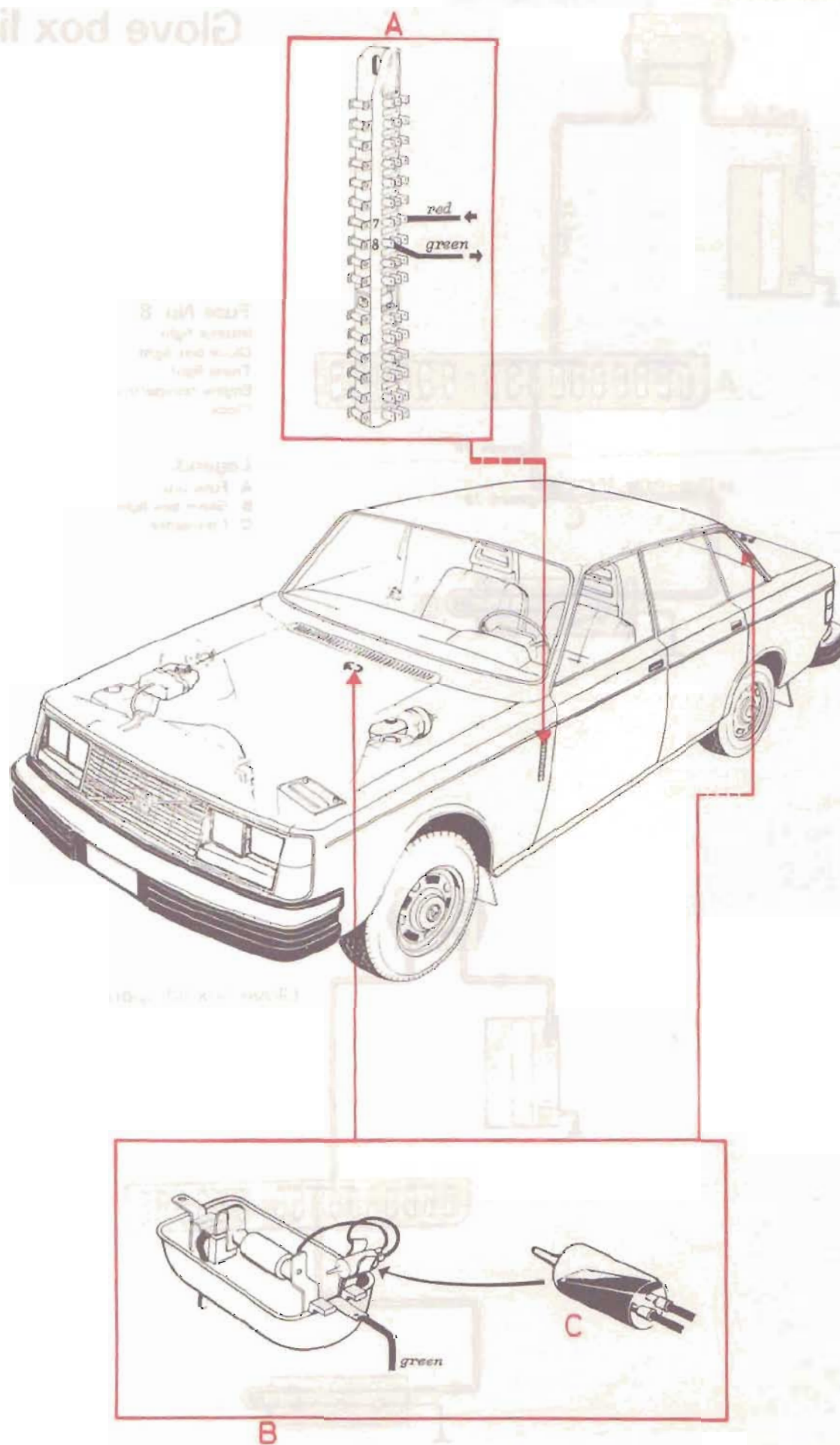


Engine compartment light, trunk light

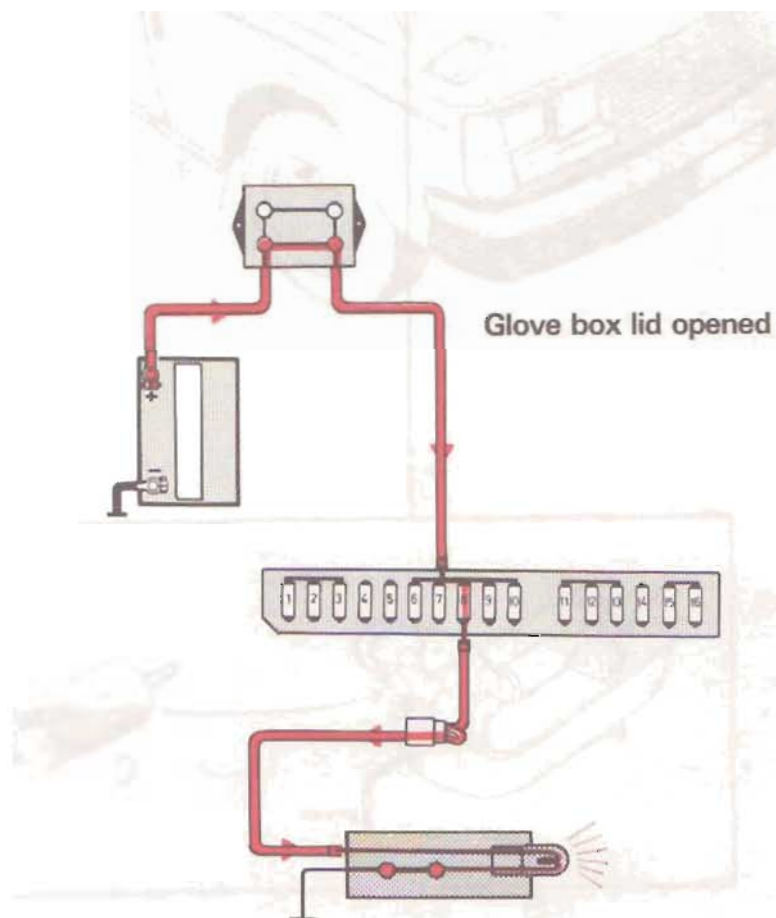
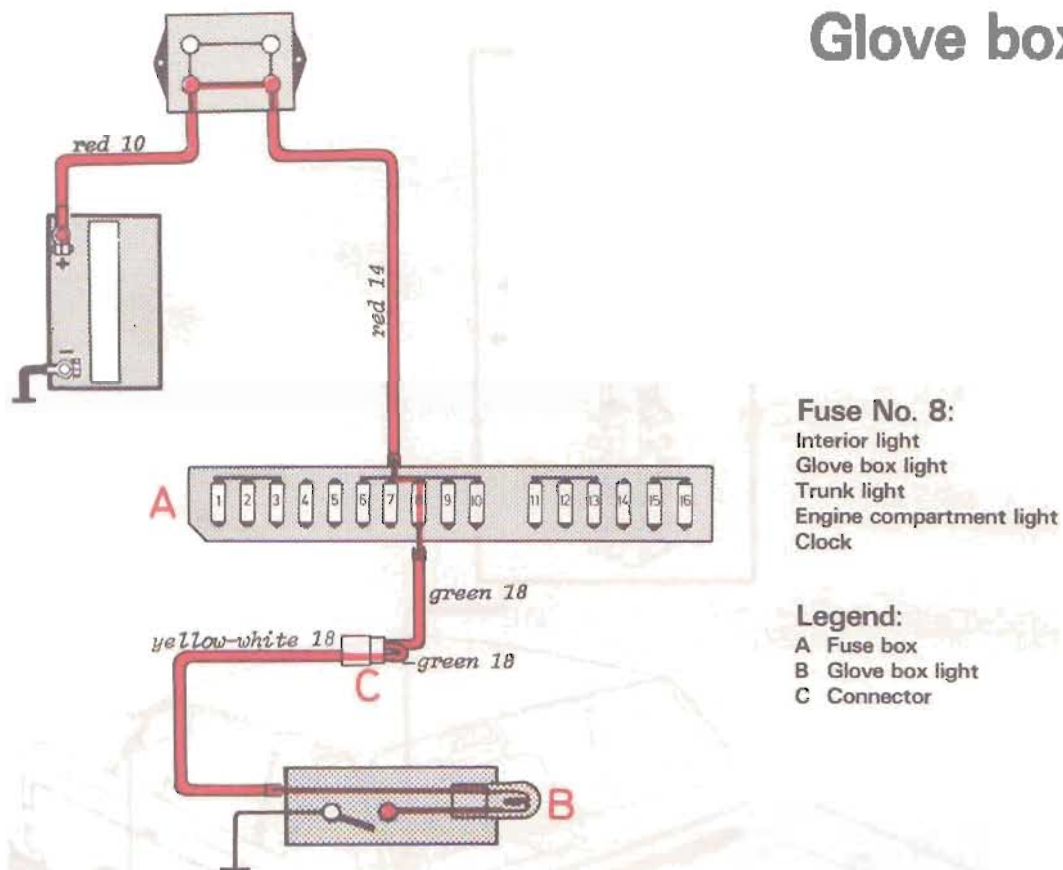


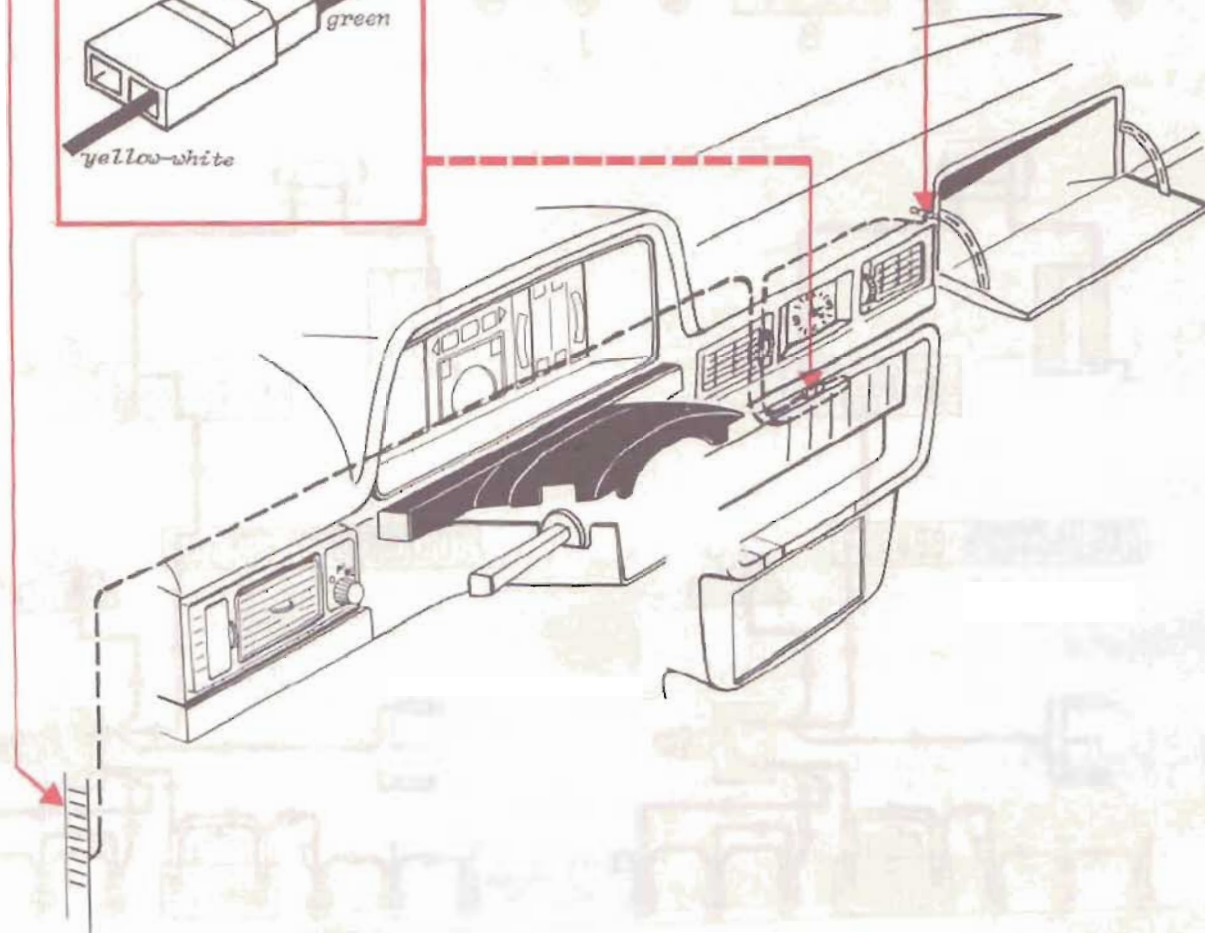
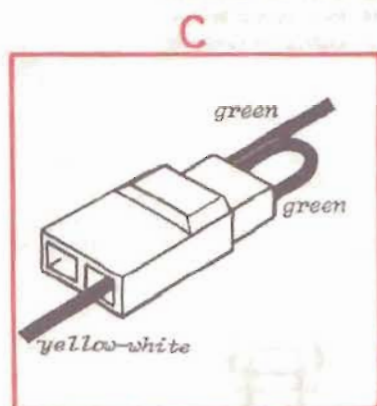
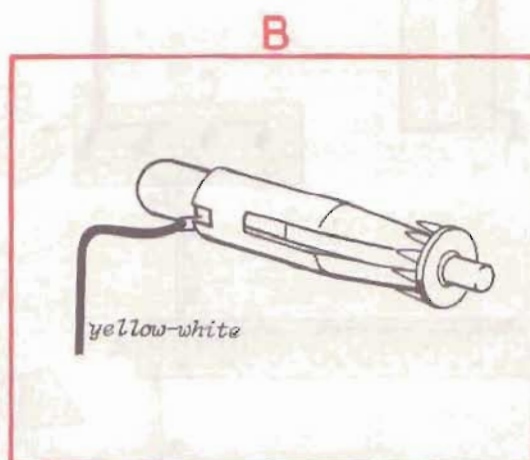
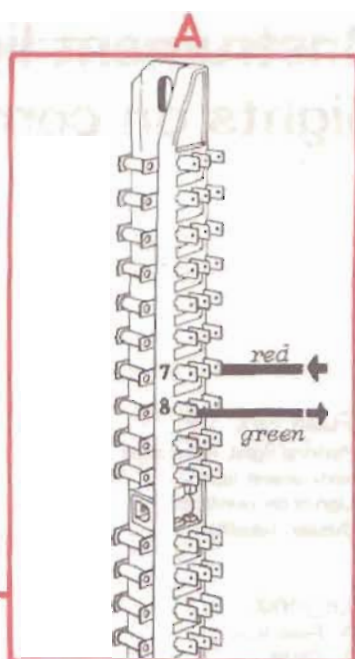
Engine compartment light,
trunk light

Glove box light

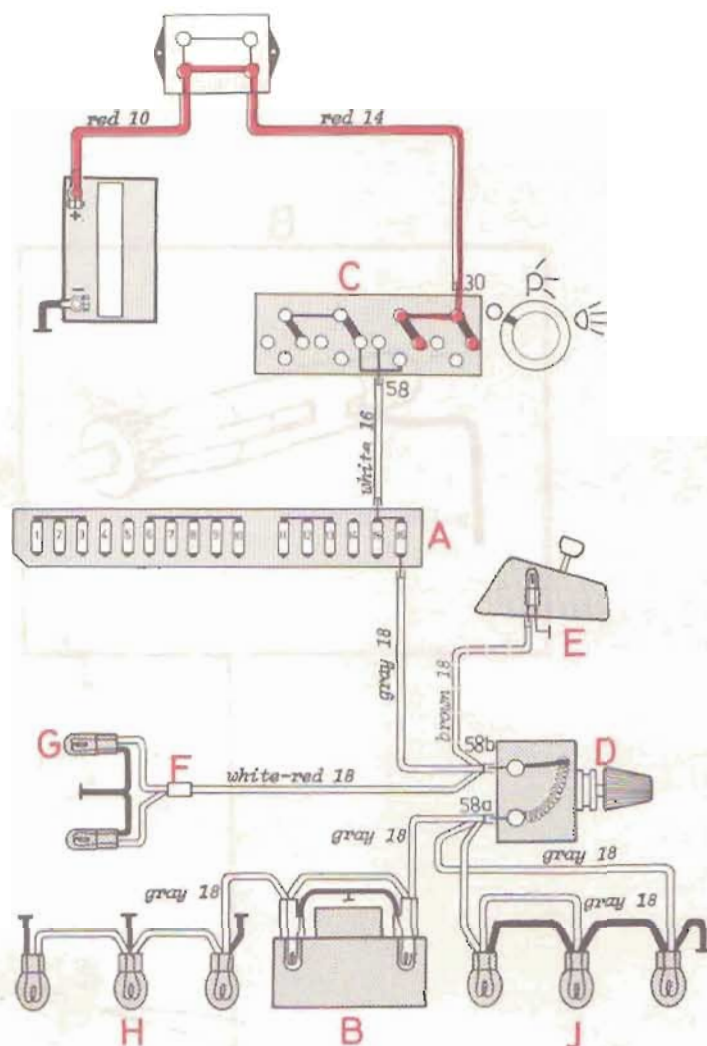


Glove box light





Instrument lights, lights on controls

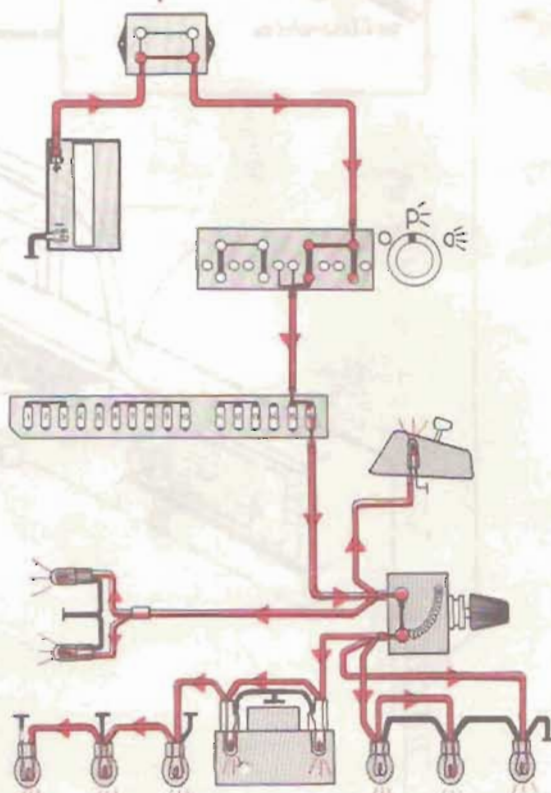
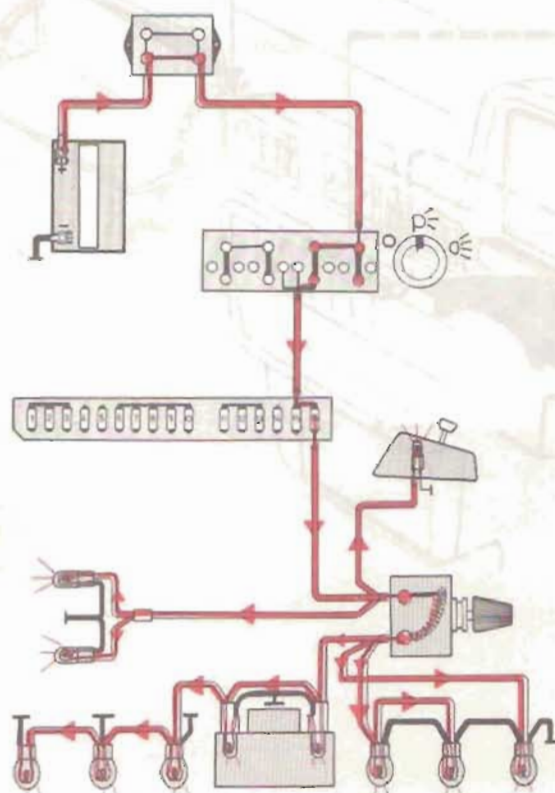


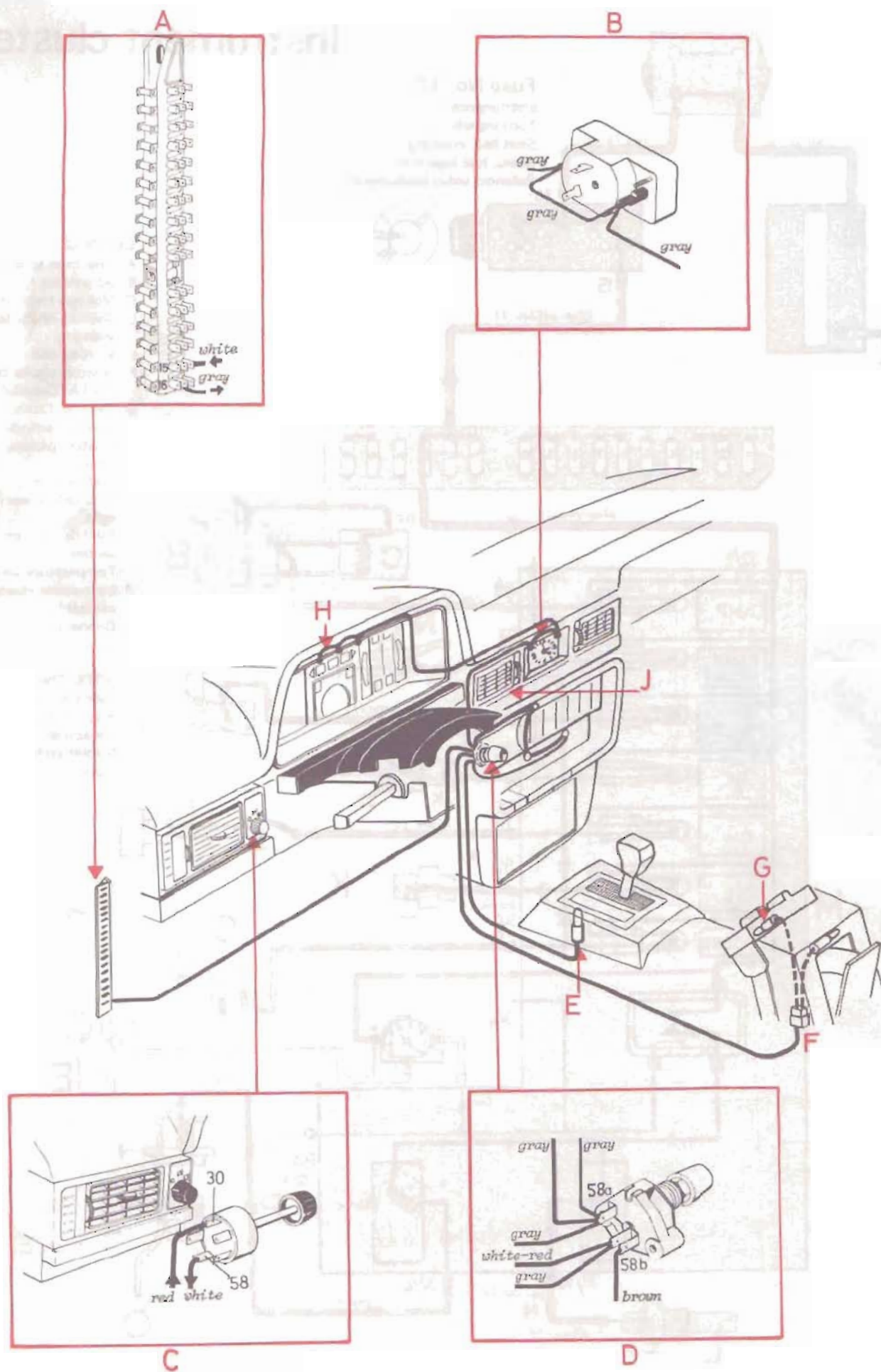
Fuse No. 16:

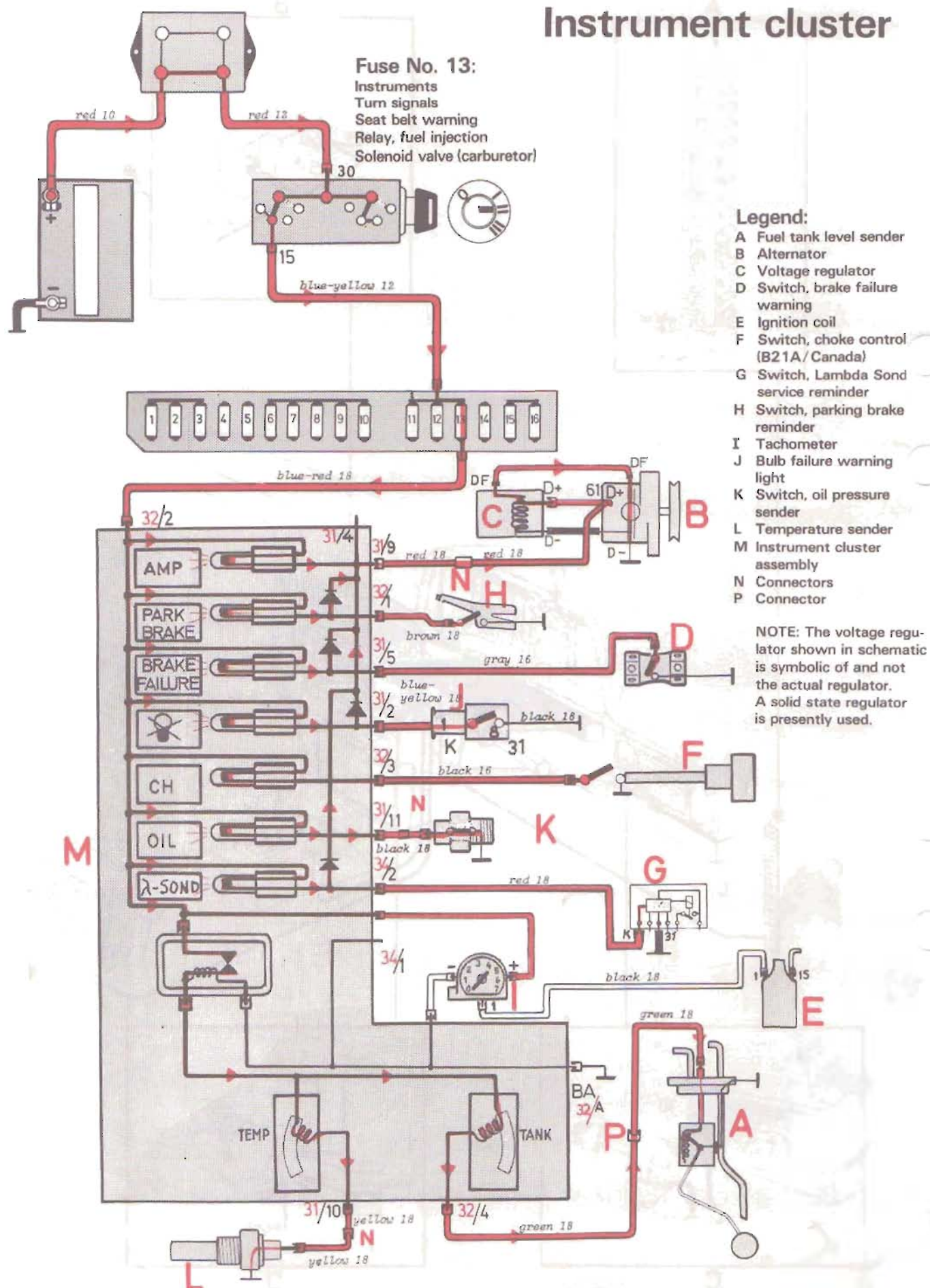
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

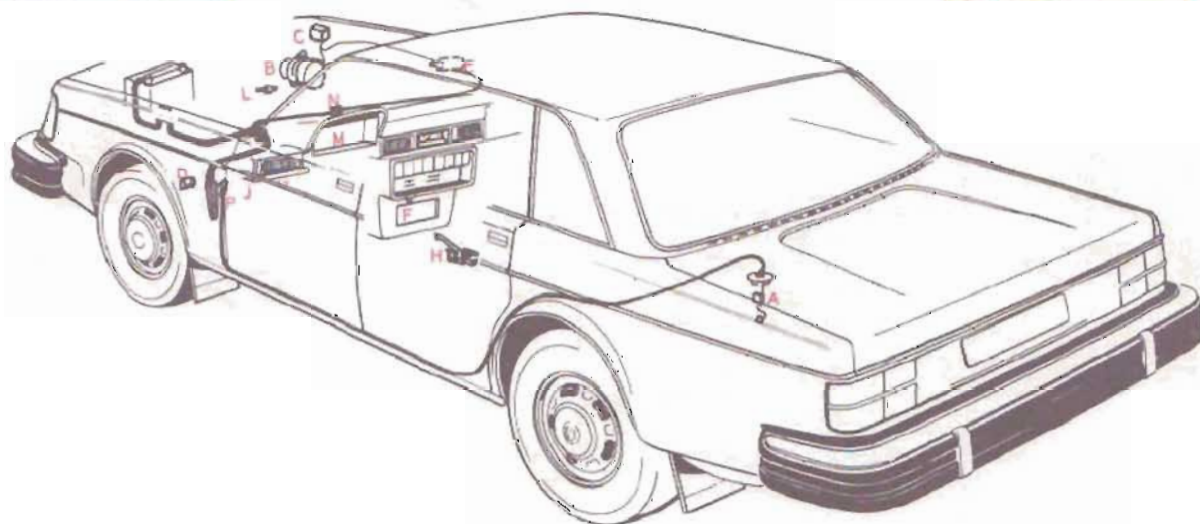
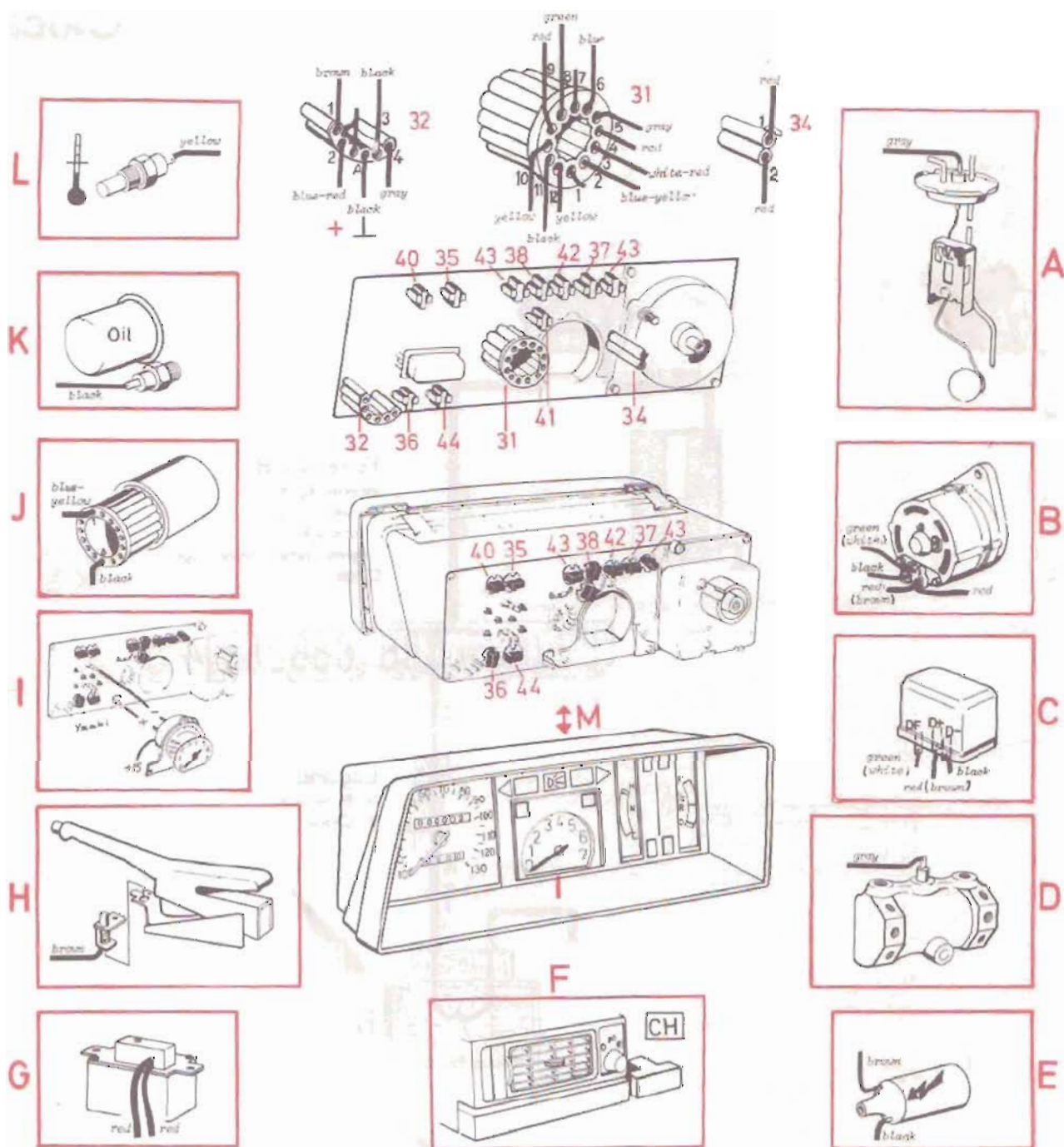
Legend:

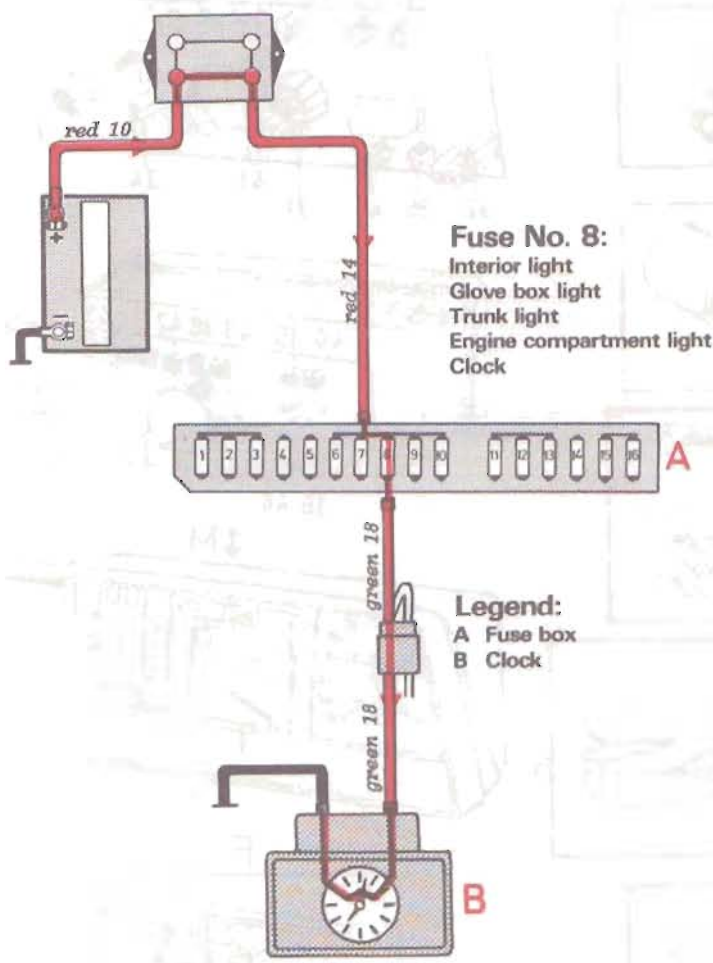
- A Fuse box
- B Clock
- C Light switch
- D Rheostat
- E Gear selector light (automatic transmission)
- F Connector
- G Seat belt lock light
- H Instrument lights
- J Lights on controls

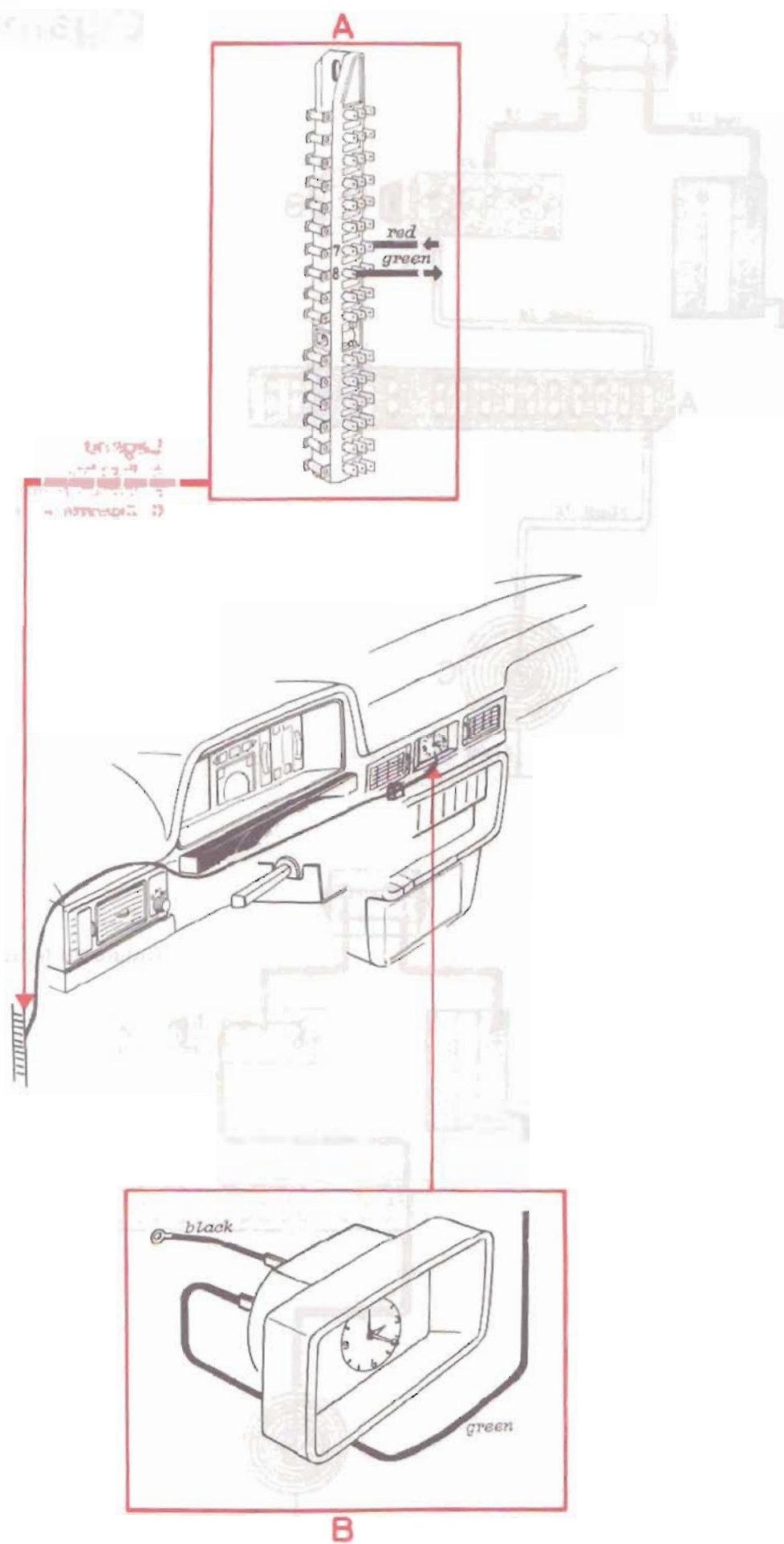




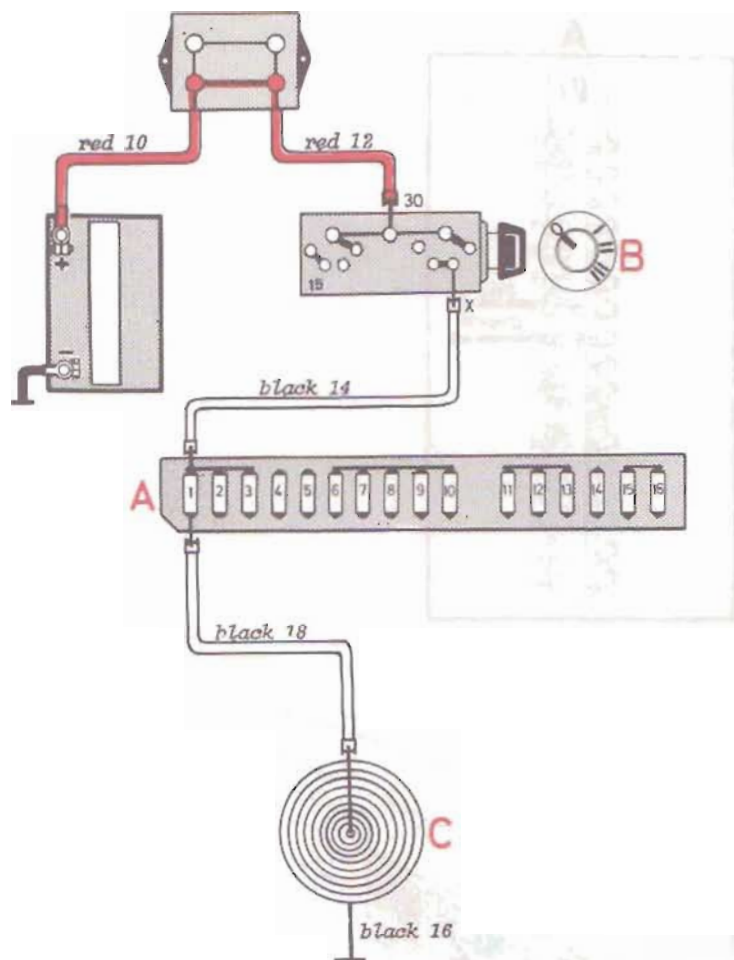








Cigarette lighter



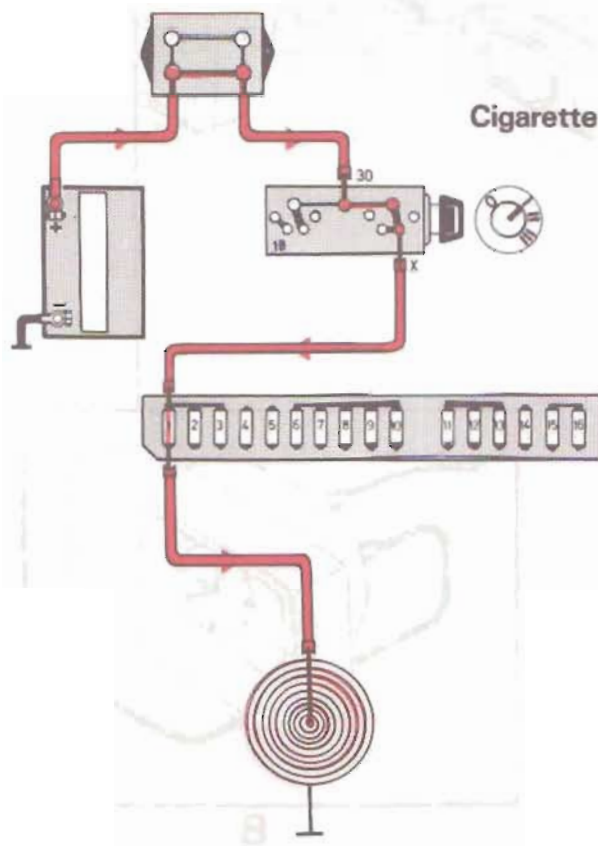
Fuse No. 1:

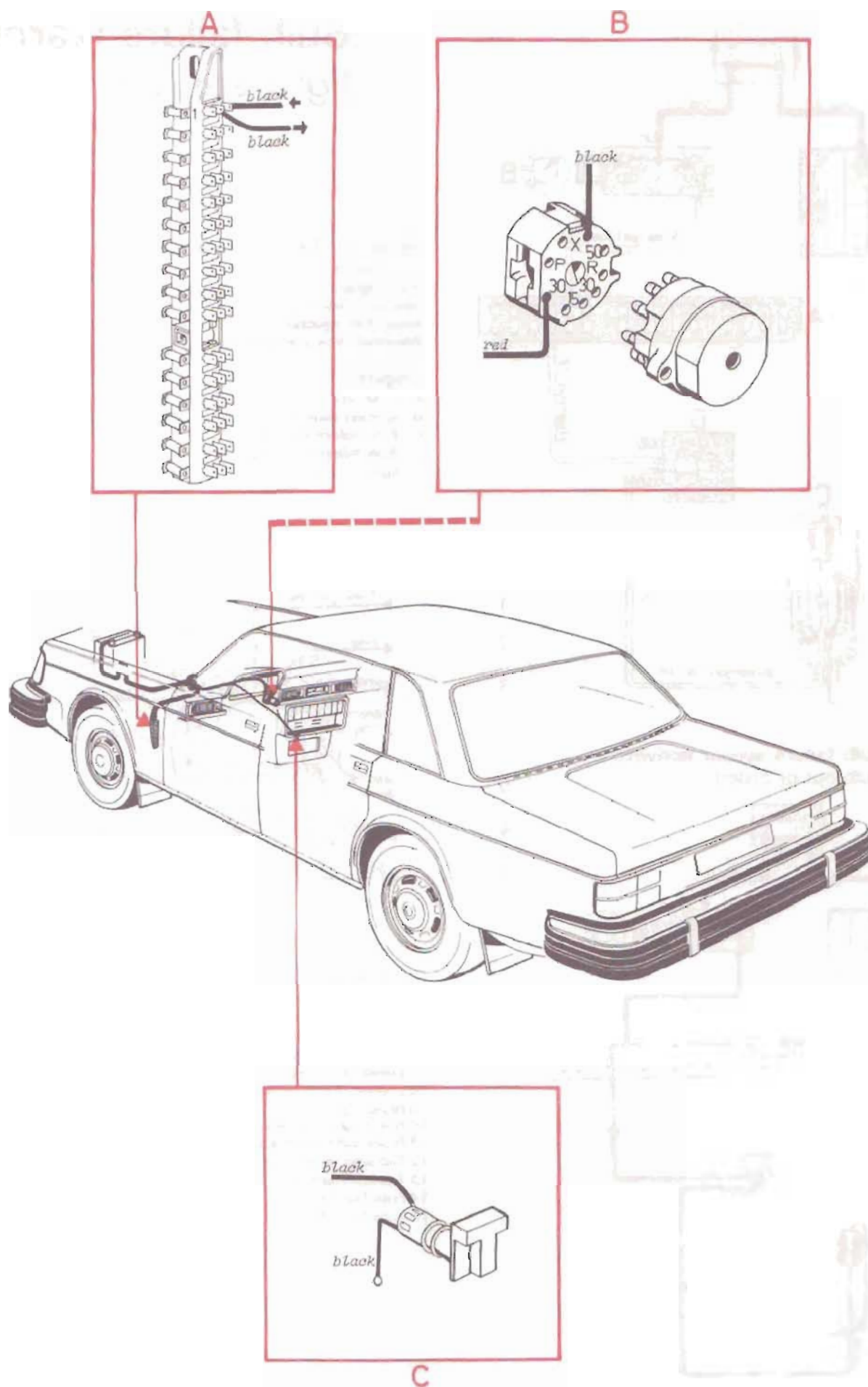
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)

Legend:

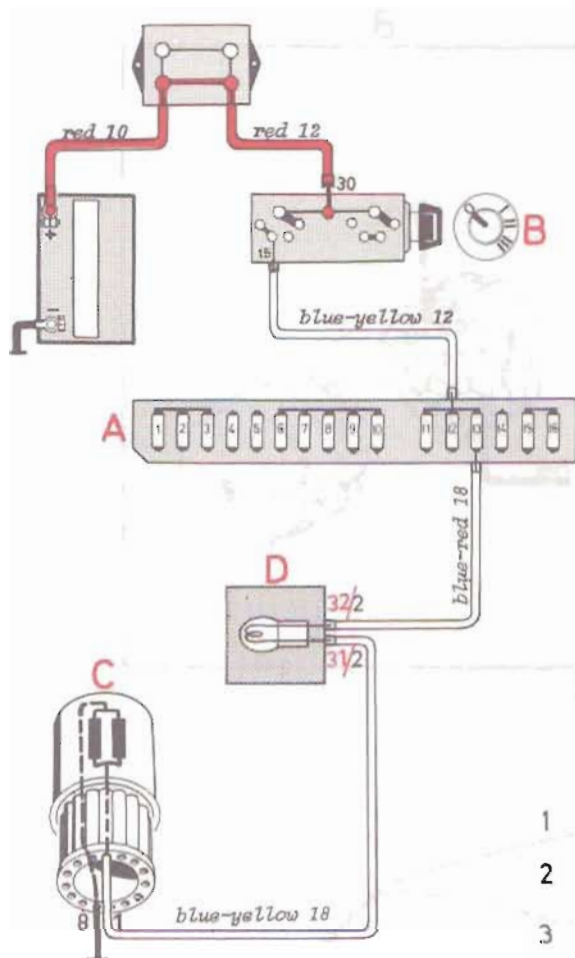
A Fuse box
B Ignition switch
C Cigarette lighter

Cigarette lighter ON.





Bulb failure warning light system



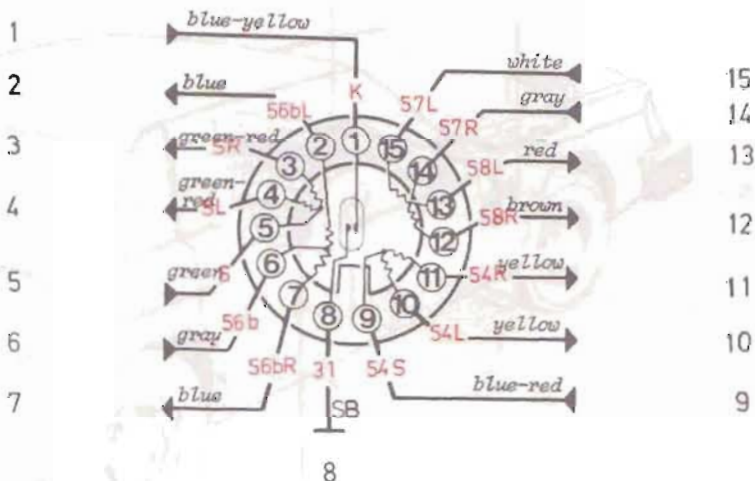
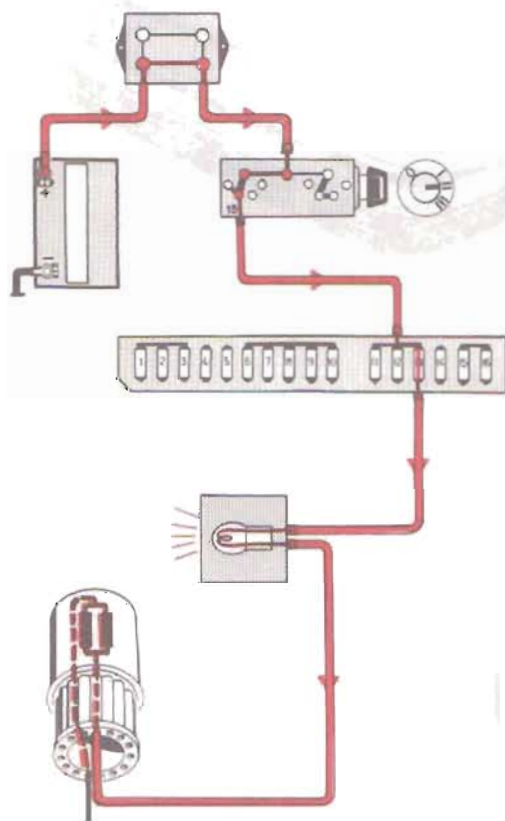
Fuse No. 13:

Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve (carburetor)

Legend:

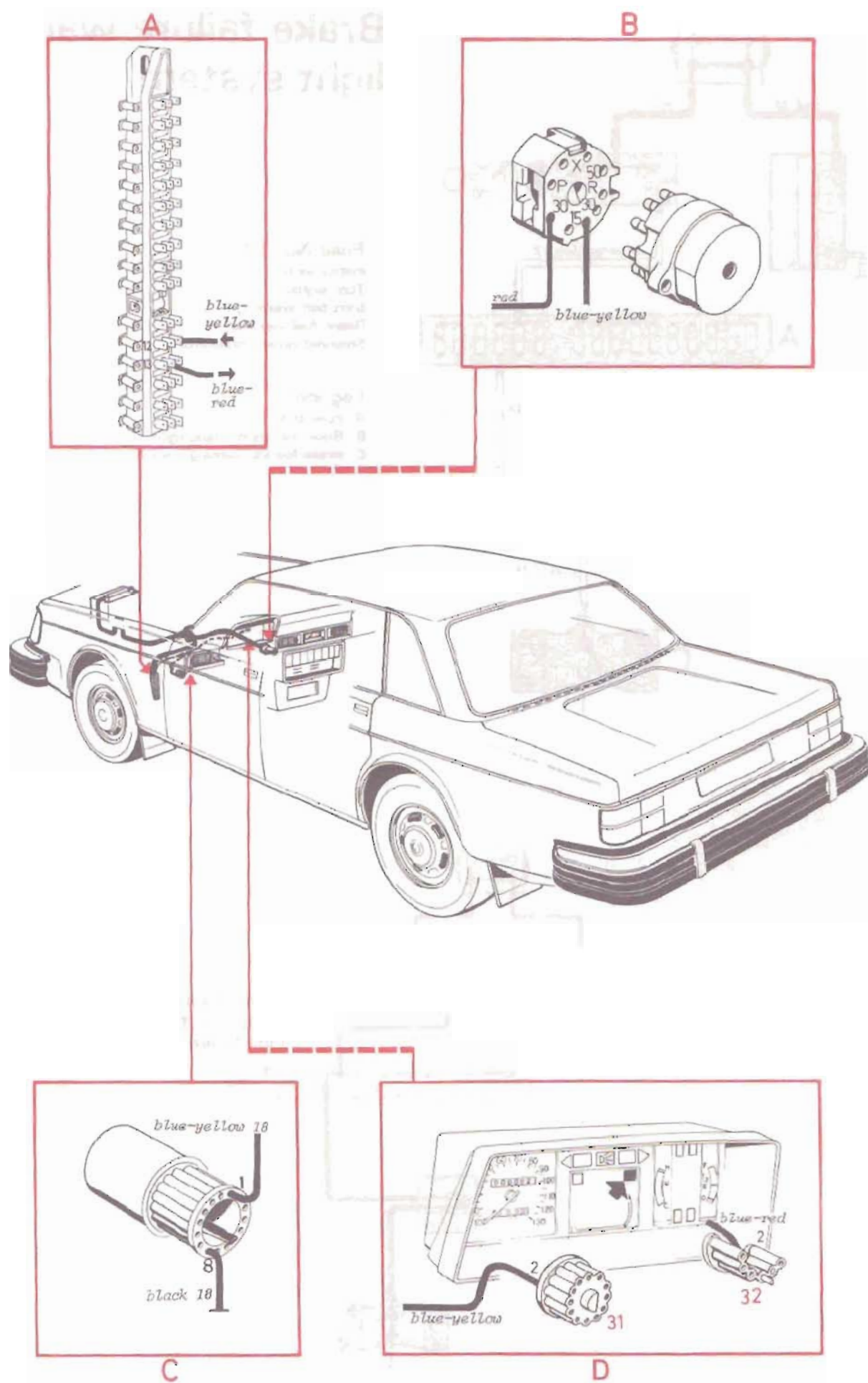
A Fuse box
B Ignition switch
C Bulb failure sensor
D Bulb failure warning light

Bulb failure sensor activated (bulb out of order)

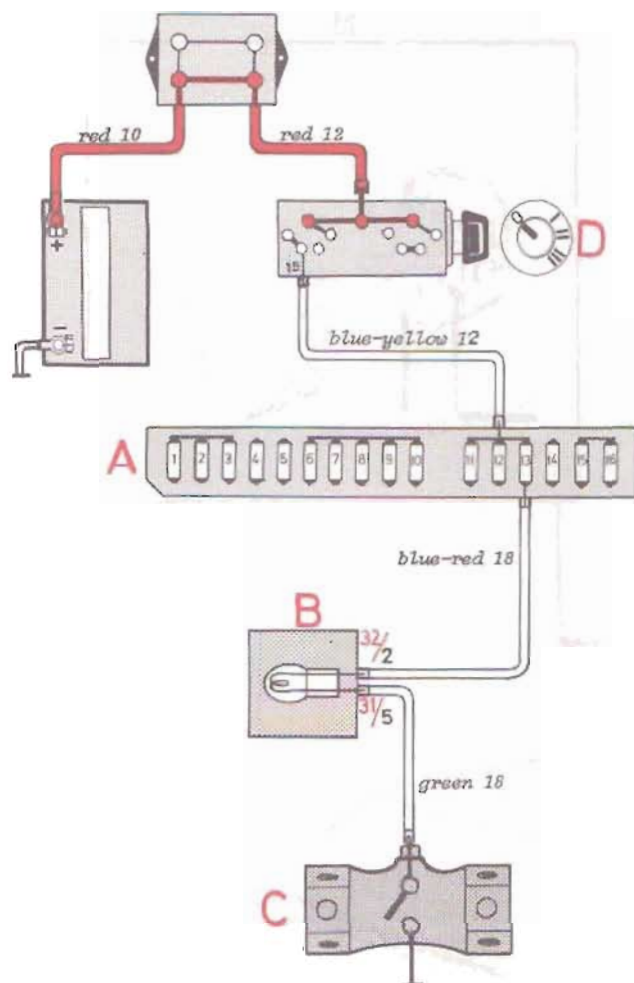


Connections

- 1 Bulb failure warning light
- 2 Lower beam, left side
- 6 Lower beam connection on upper/lower beam switch relay
- 7 Lower beam, right side
- 8 Ground (for bulb failure warning light)
- 9 Brake light switch
- 10 Brake light, left side
- 11 Brake light, right side
- 12 Tail light, right side
- 13 Tail light, left side
- 14 Fuse No. 16
- 15 Fuse No. 15



Brake failure warning light system

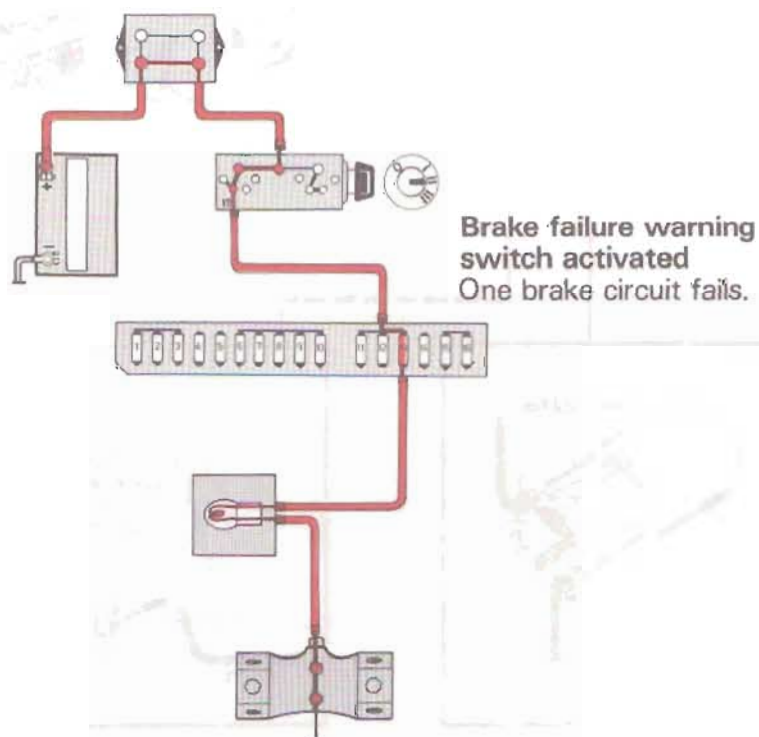


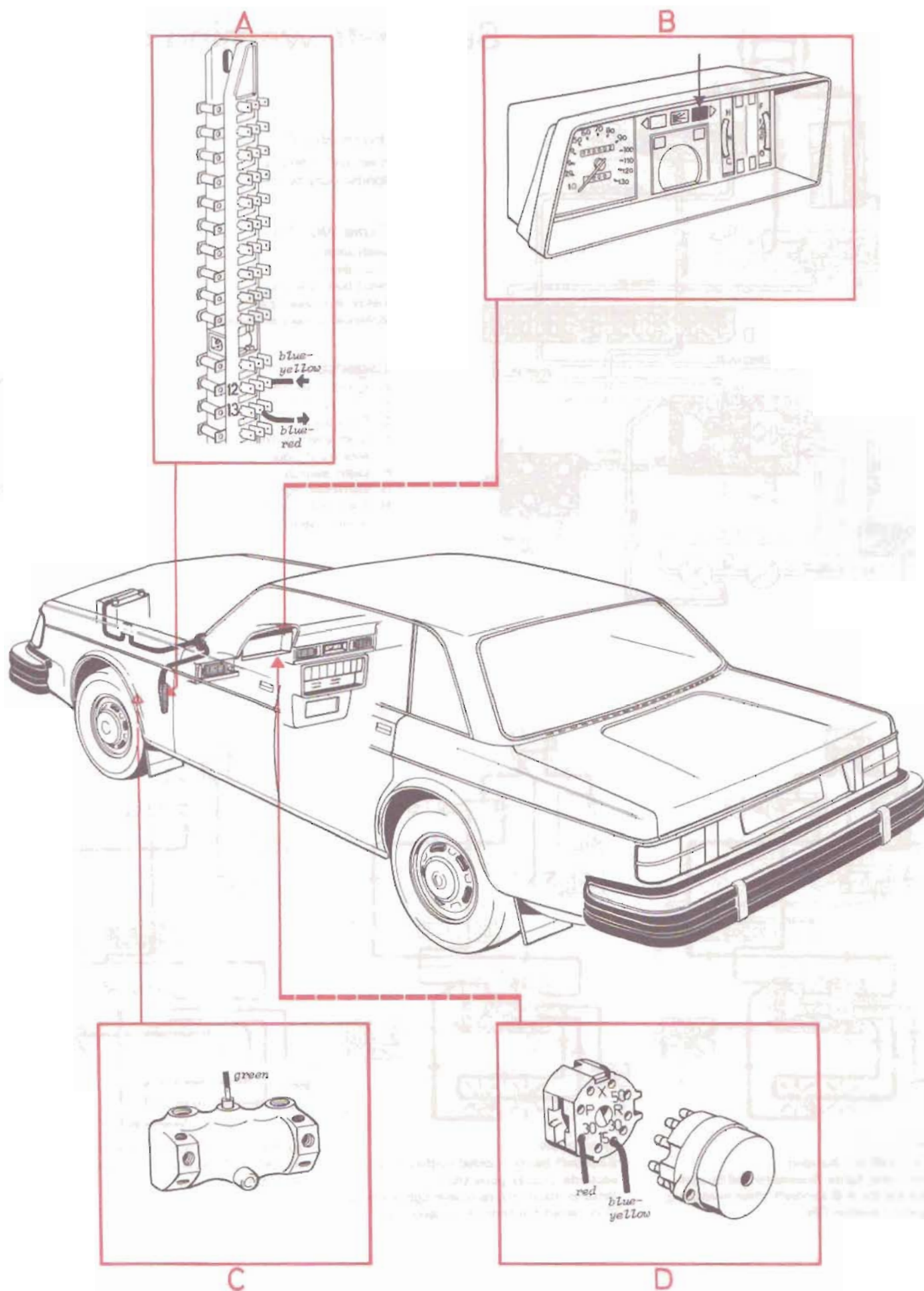
Fuse No. 13:

Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve (carburetor)

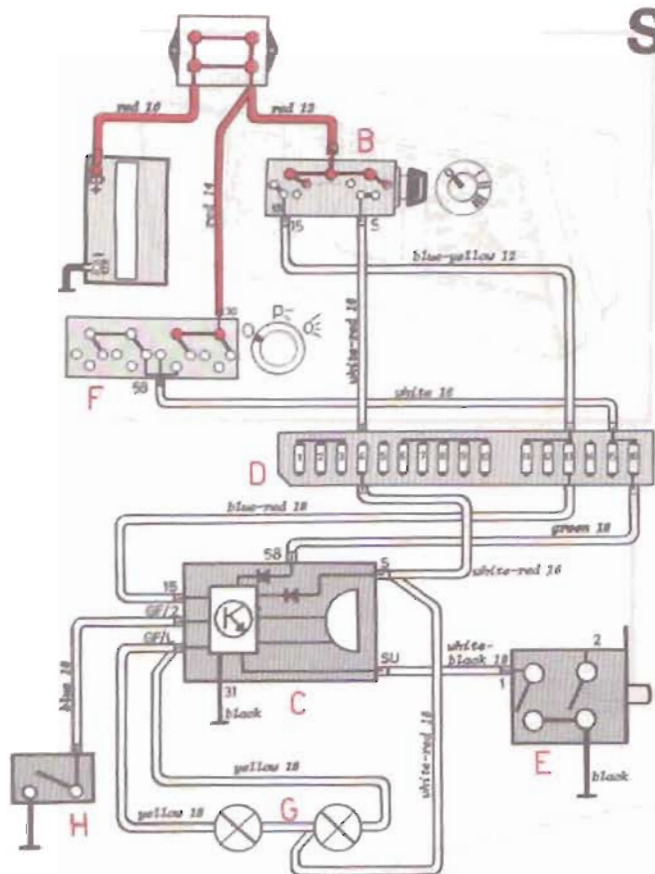
Legend:

- A Fuse box
- B Brake failure warning light
- C Brake failure warning switch





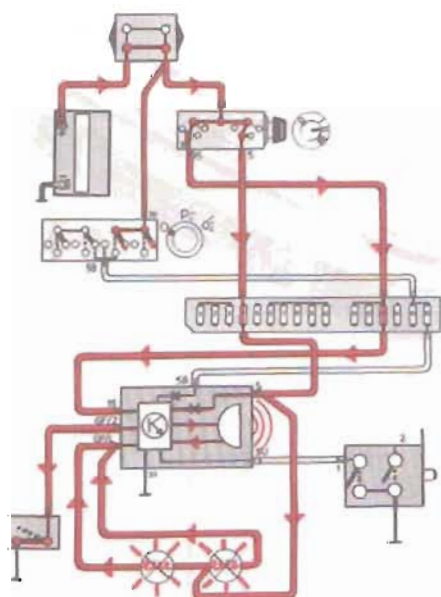
Seat belt warning system



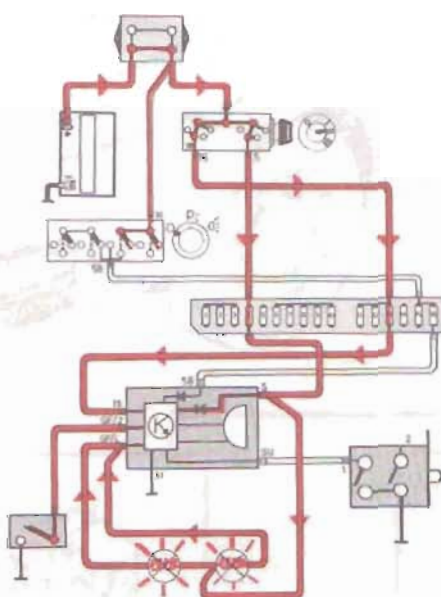
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

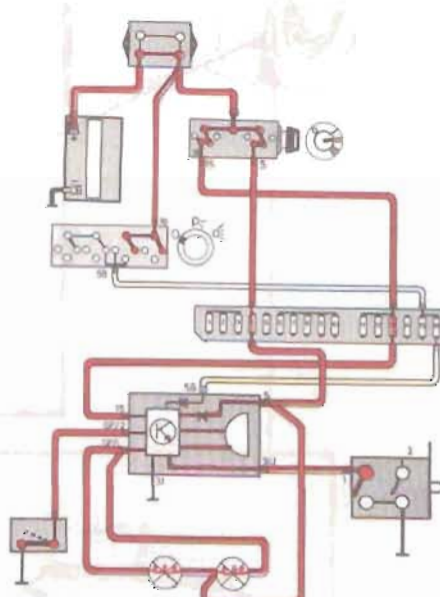
Legend:
B Ignition switch
C Buzzer relay
D Fuse box
E Door switch, left
side front door
F Light switch
G Reminder lights
H Switch for seat belt,
driver's seat



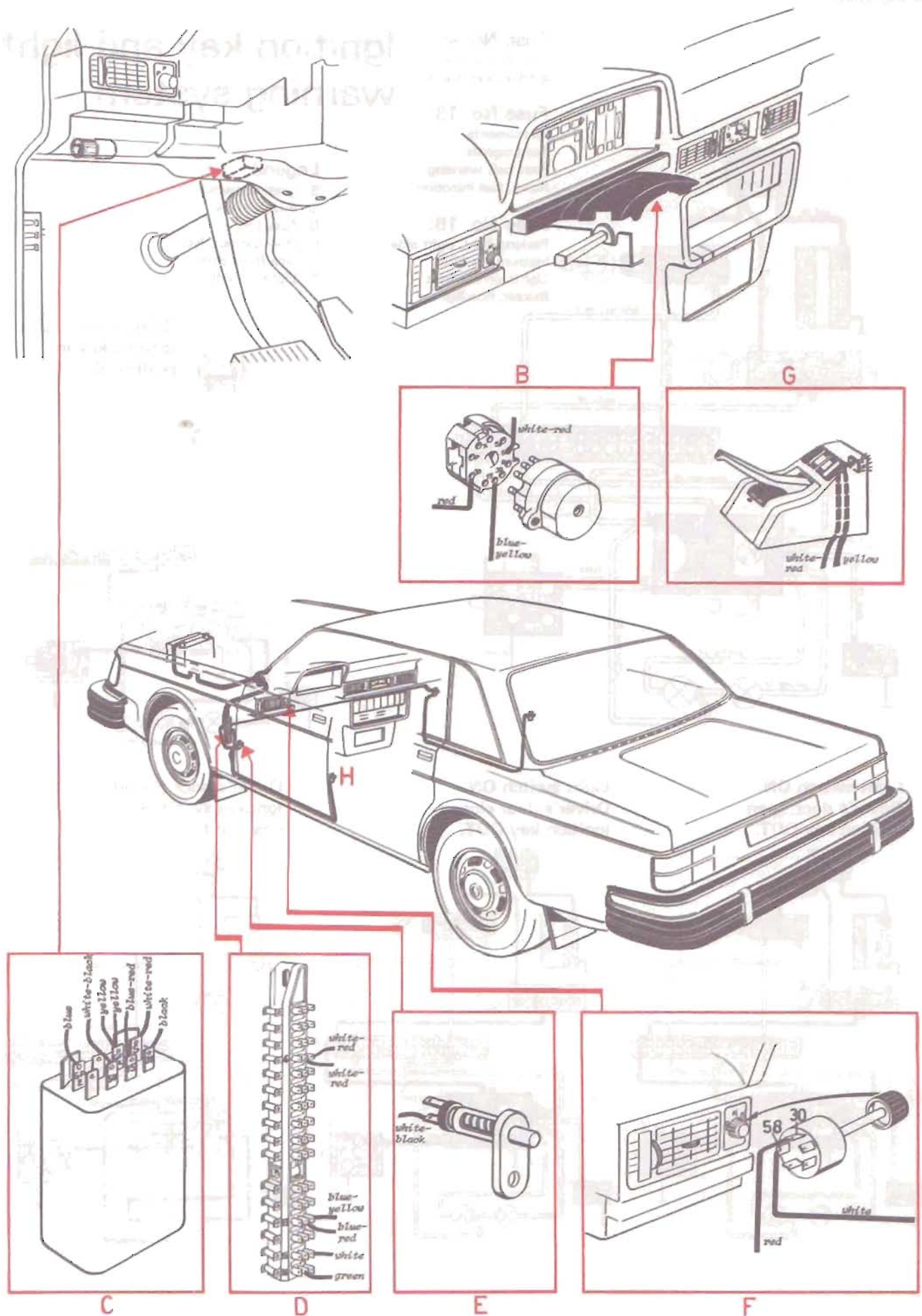
Ignition ON
Seat belt not buckled.
Reminder lights illuminate and buzzer
sounds for 4-8 seconds after switching
ignition switch ON.



Ignition ON
Seat belt being buckled within 4-8
seconds: buzzer goes OUT.
With ignition ON, reminder lights remain
illuminated full time (4-8 seconds).



Ignition ON for more than 4-8 seconds.
Buzzer OUT, reminder lights NOT
illuminated.



Ignition key and light warning system

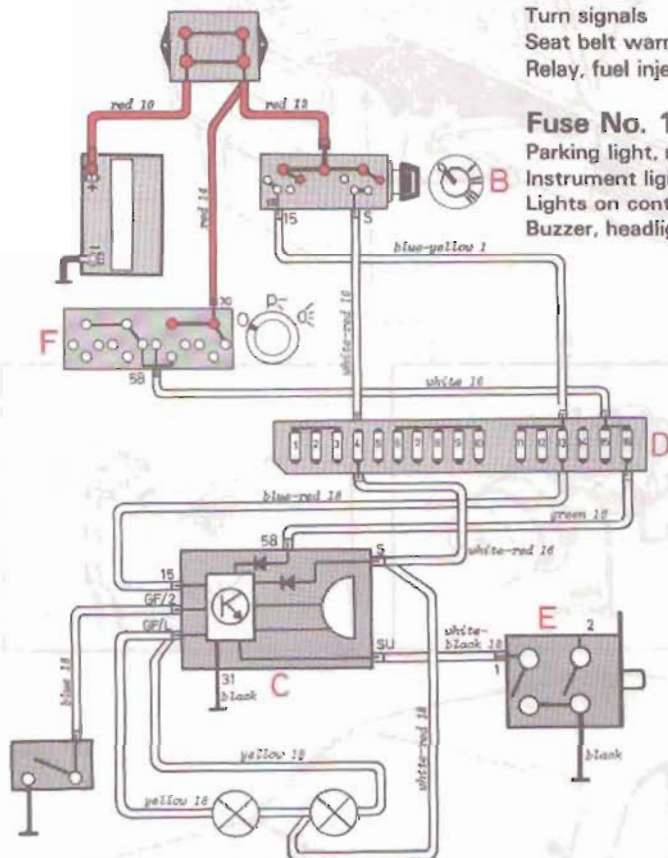
Fuse No. 4:
Seat belt warning
Ignition key buzzer

Fuse No. 13:
Instruments
Turn signals
Seat belt warning
Relay, fuel injection

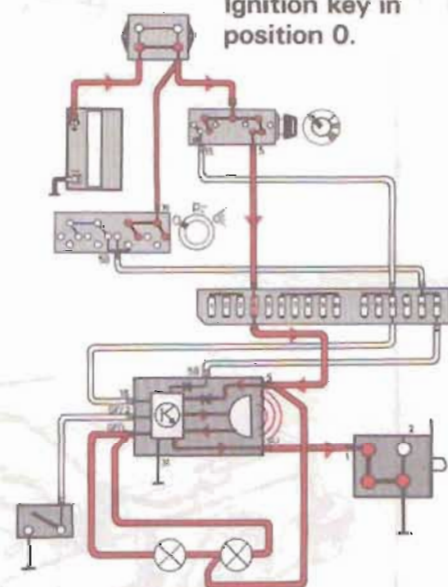
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

- B Ignition switch
- C Buzzer relay
- D Fuse box
- E Door switch, left side front door
- F Light switch



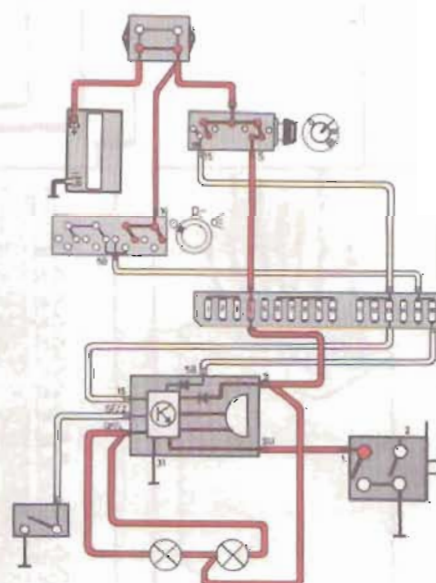
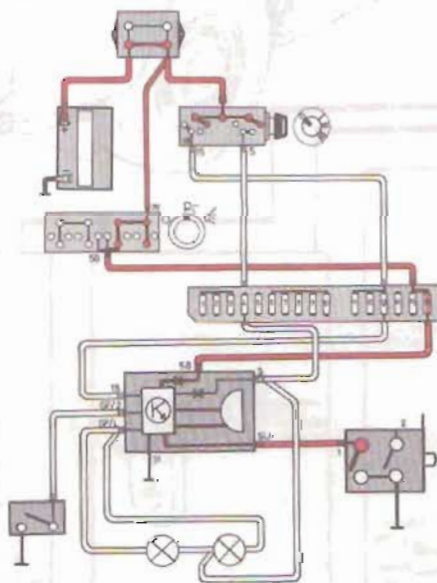
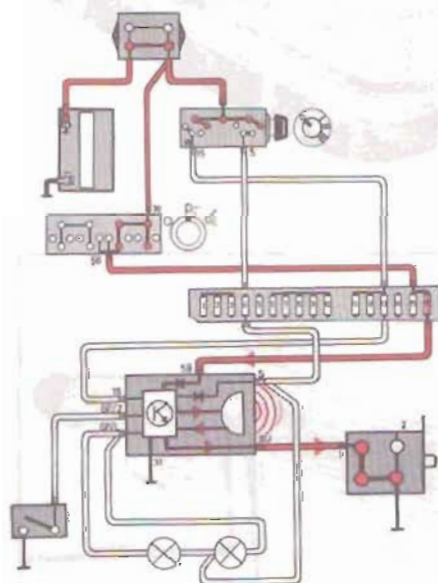
Driver's door open.
Ignition key in
position 0.



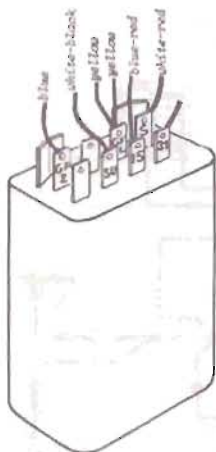
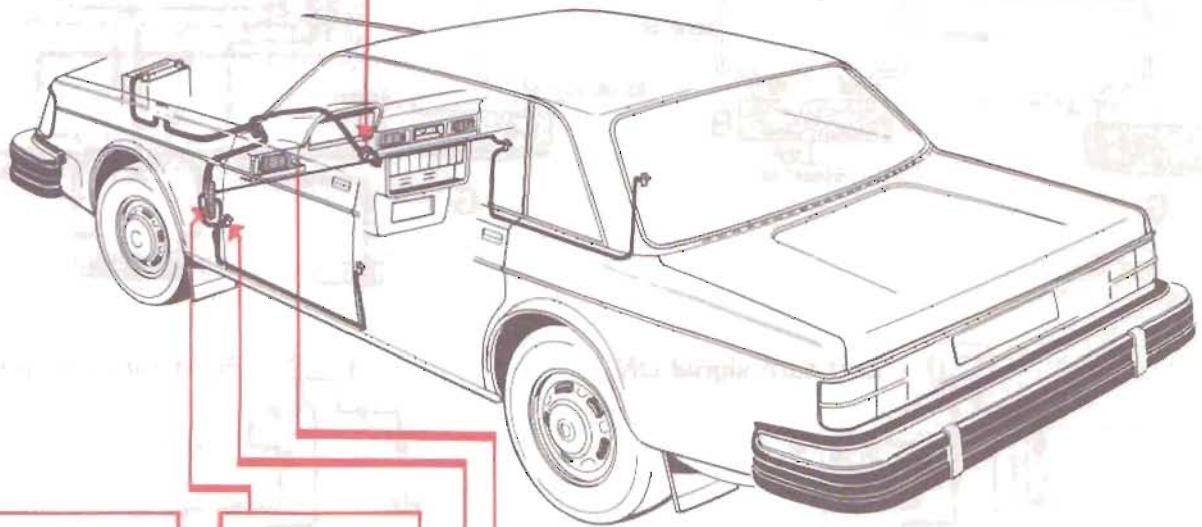
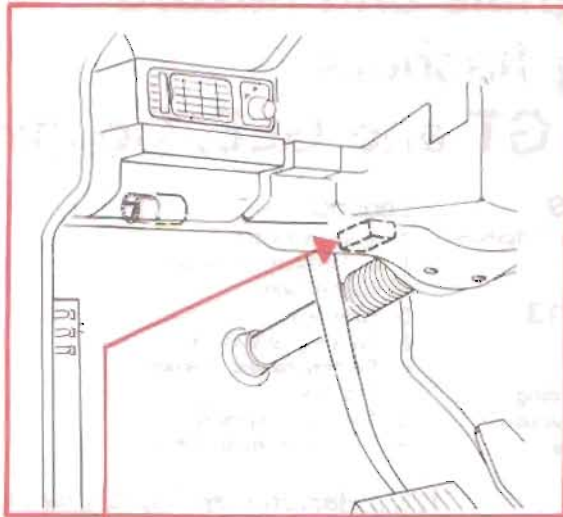
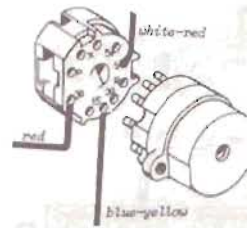
Light switch ON.
Driver's door open.
Ignition key OUT.

Light switch ON.
Driver's door closed.
Ignition key OUT.

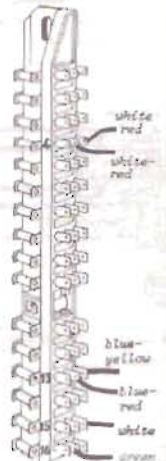
Driver's door closed.
Ignition switch in
position I.



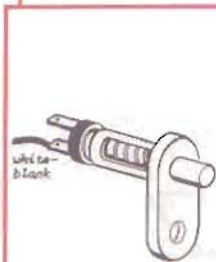
B



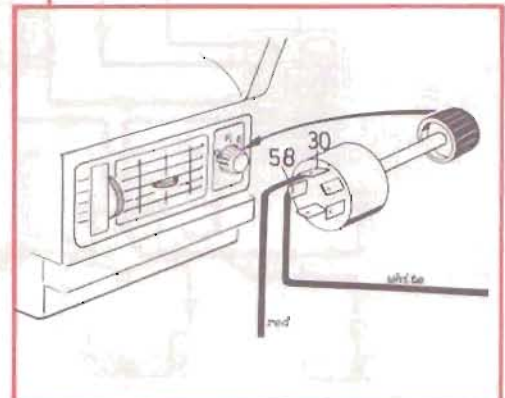
C



D



E



F

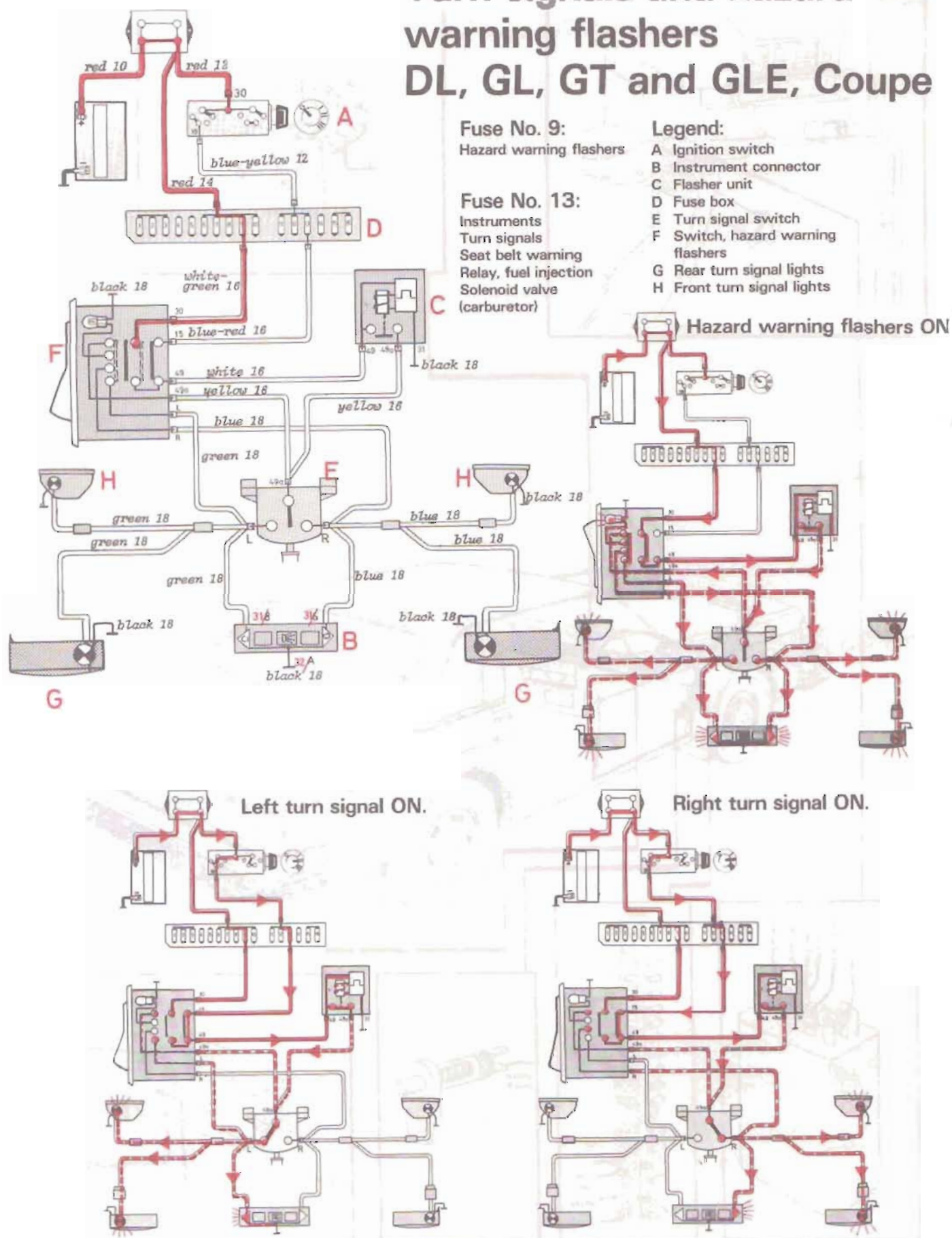
Turn signals and hazard warning flashers DL, GL, GT and GLE, Coupe

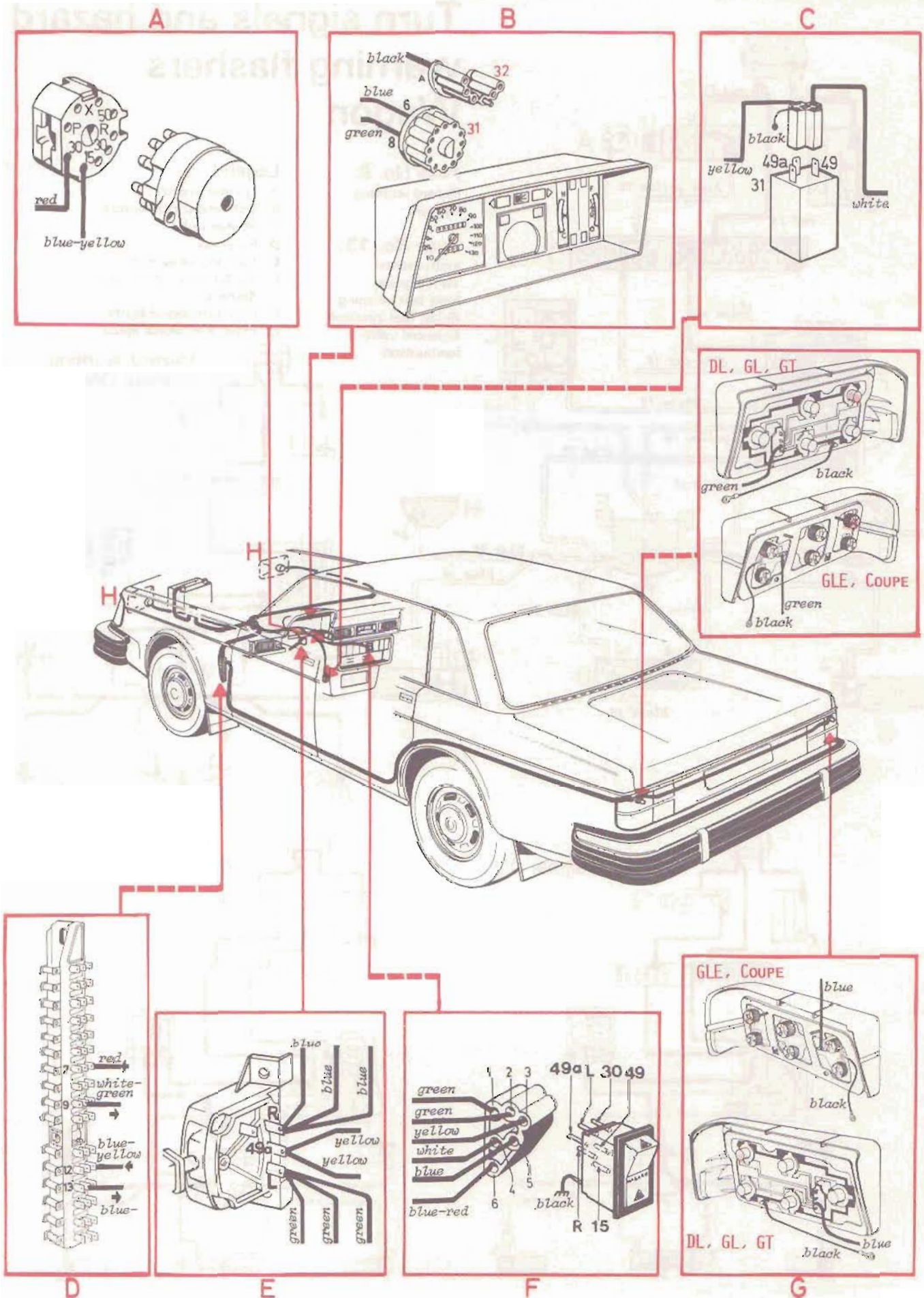
Fuse No. 9:
Hazard warning flashers

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

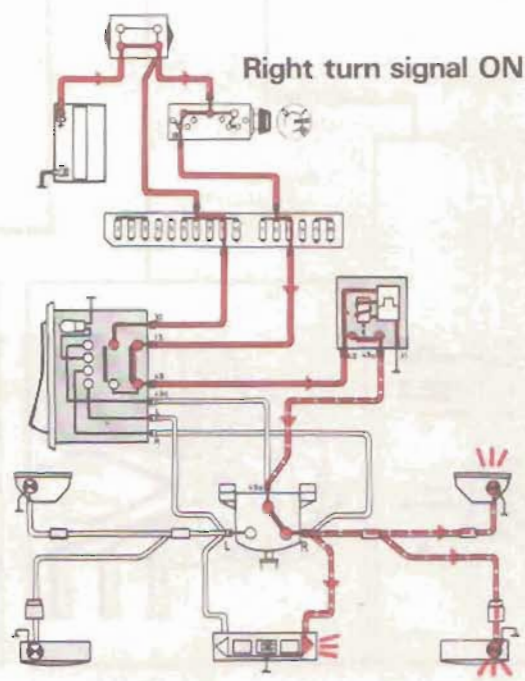
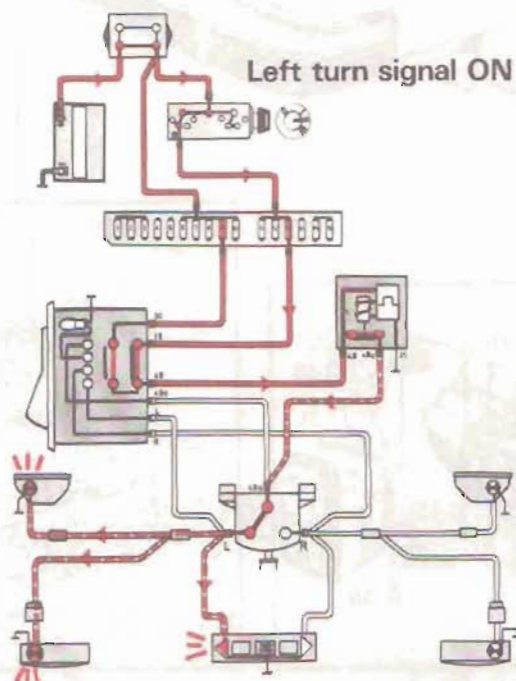
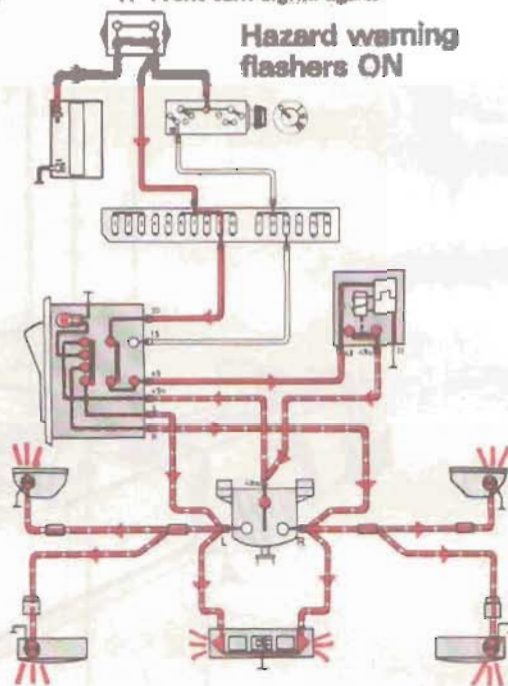
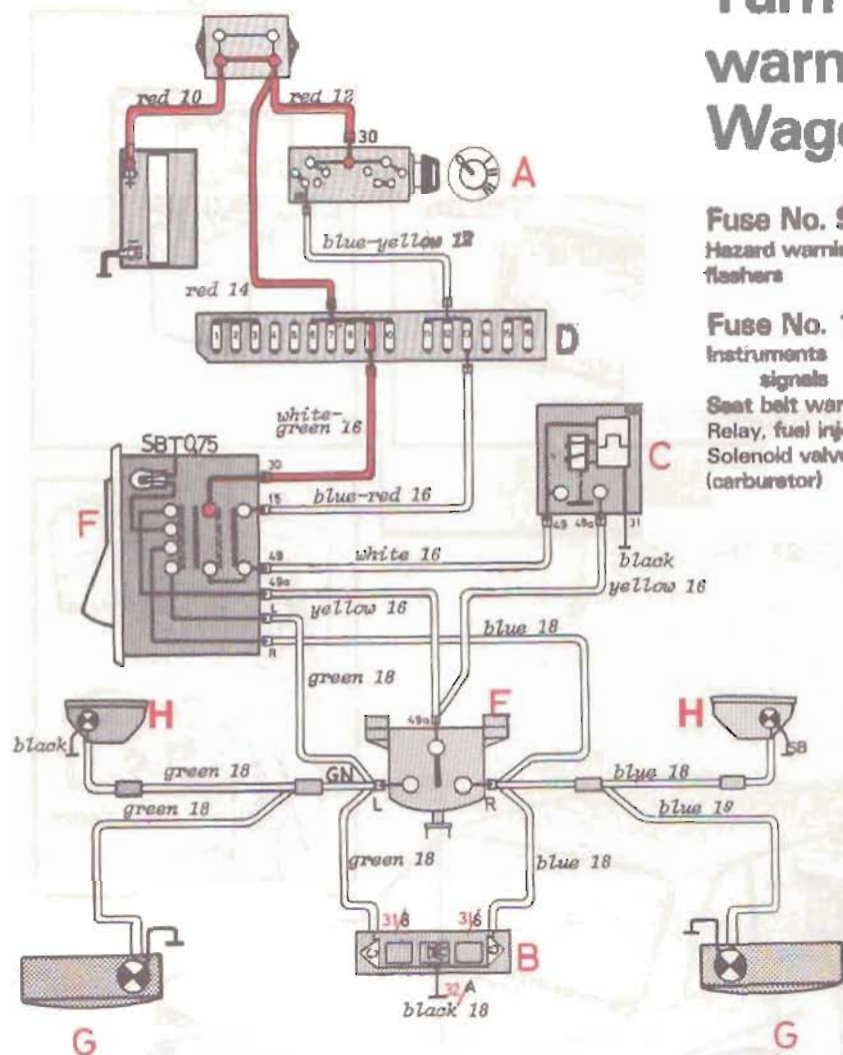
Legend:

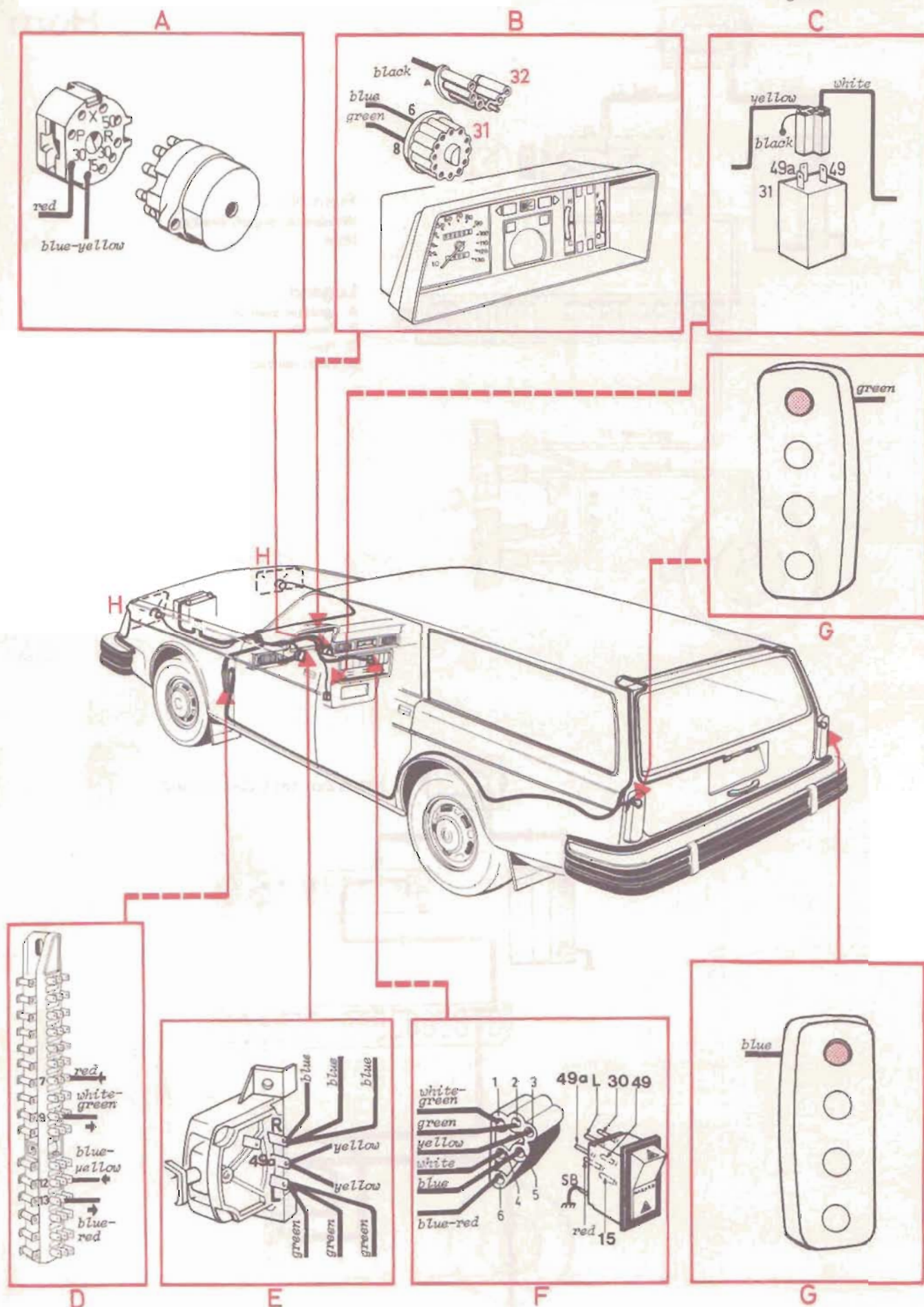
- A Ignition switch
- B Instrument connector
- C Flasher unit
- D Fuse box
- E Turn signal switch
- F Switch, hazard warning flashers
- G Rear turn signal lights
- H Front turn signal lights

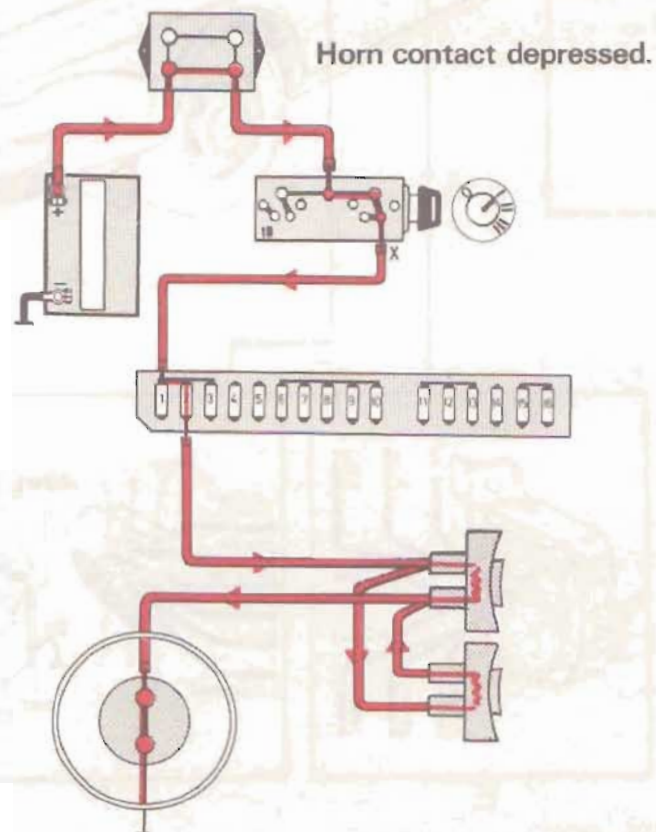
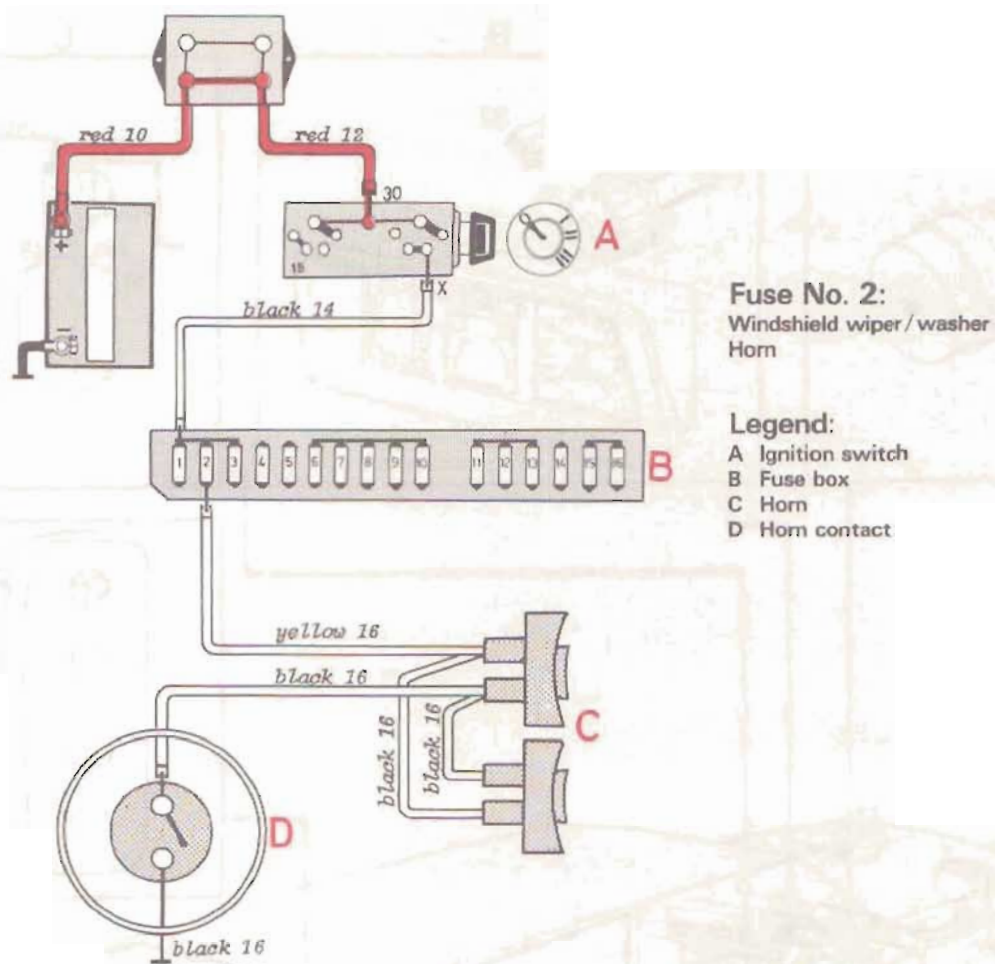


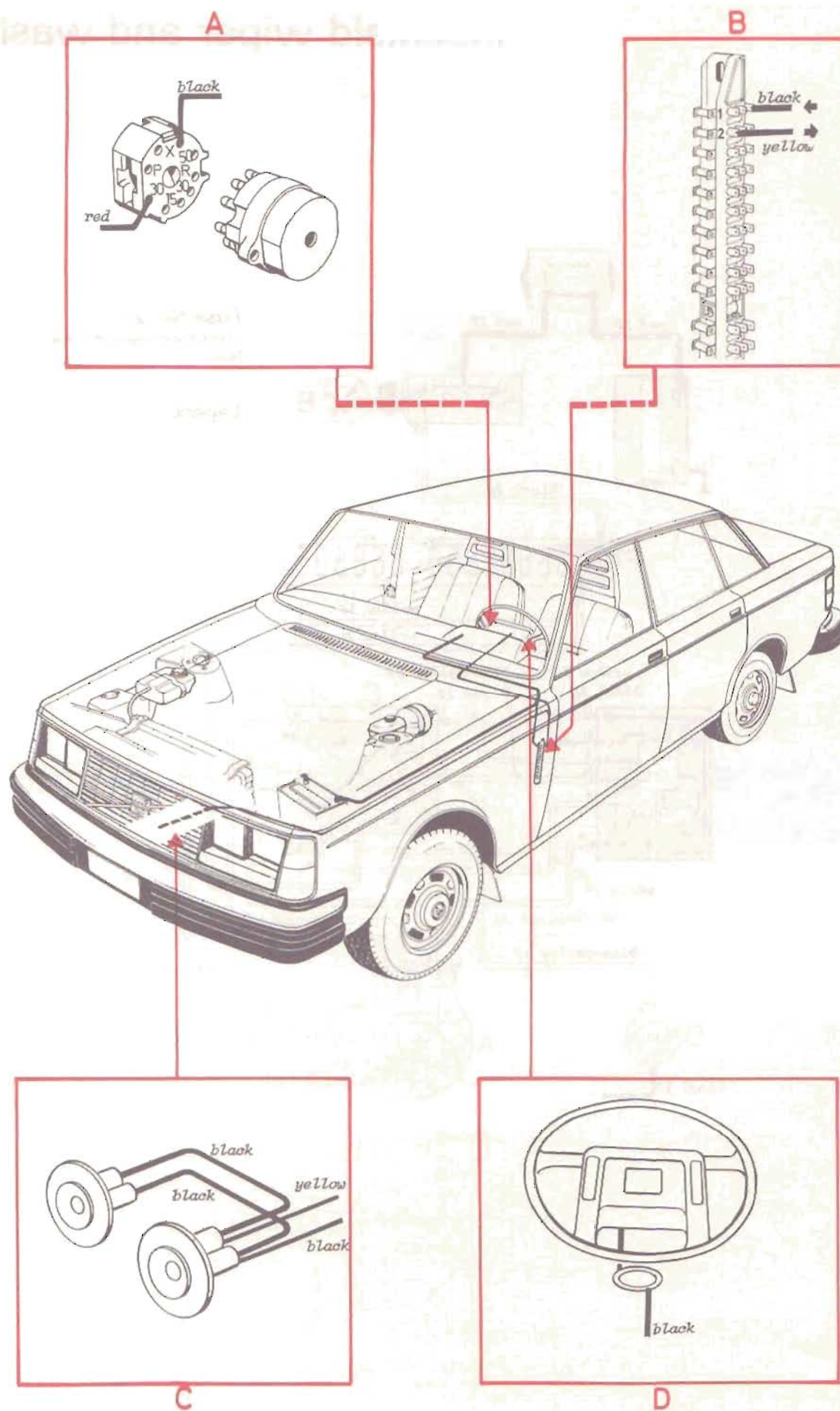


Turn signals and hazard warning flashers Wagon

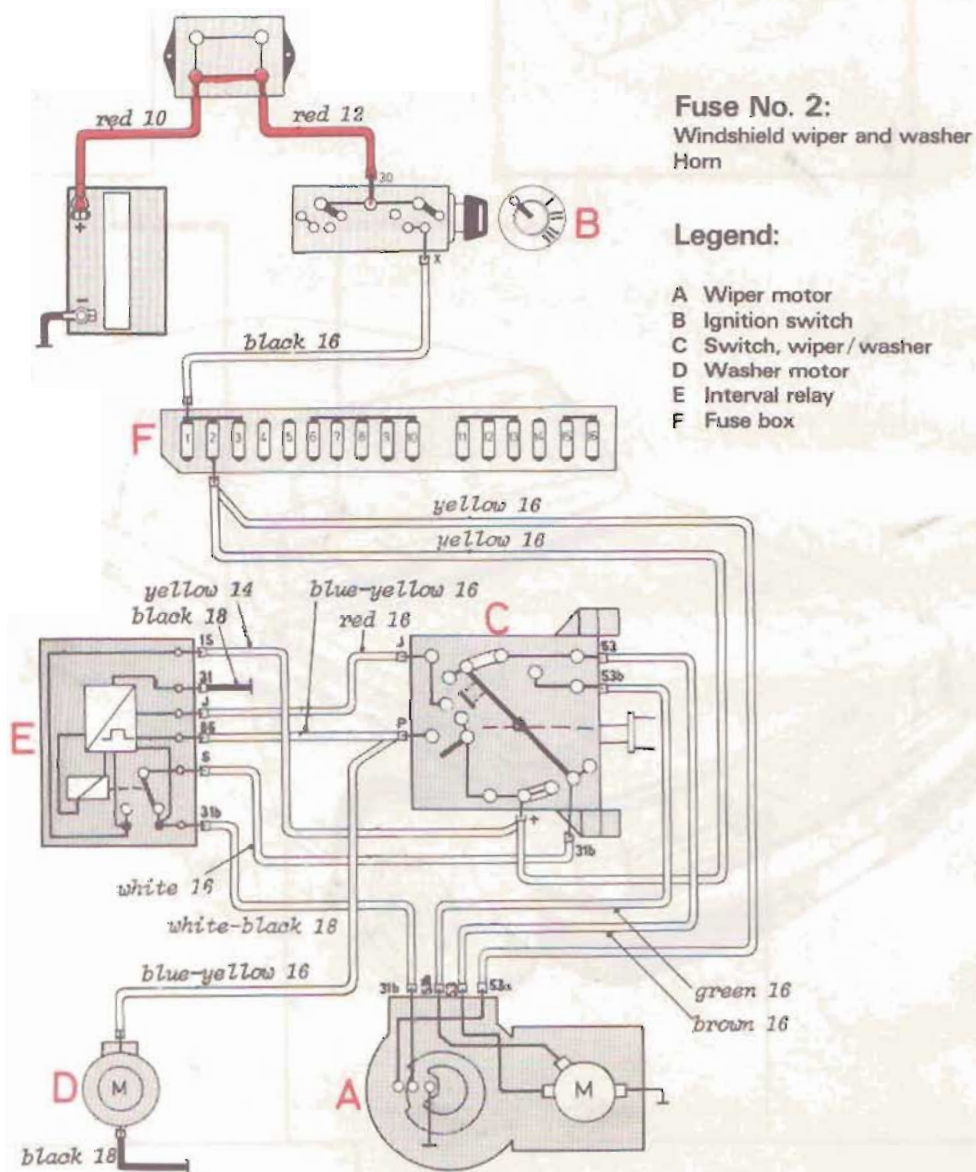


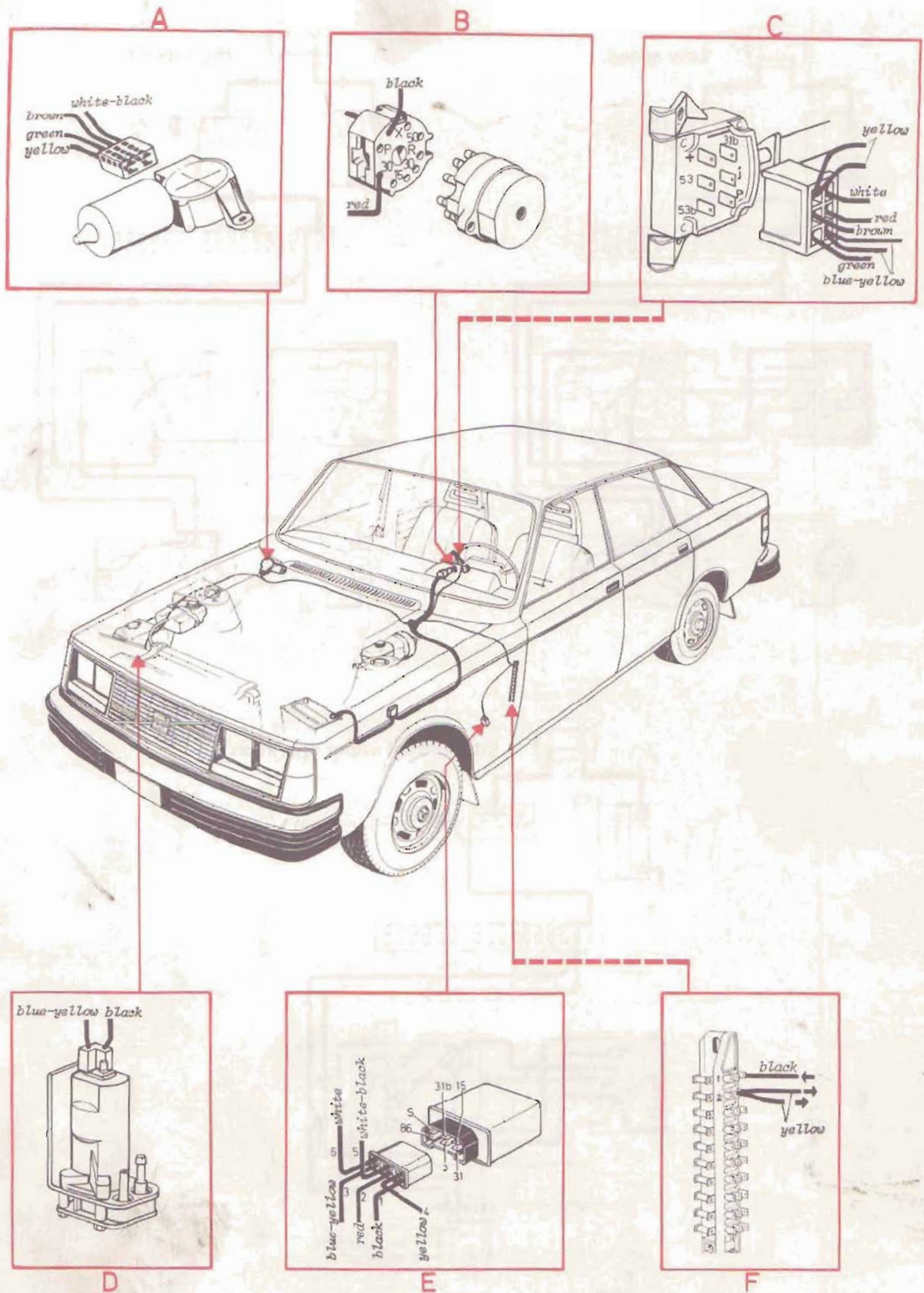


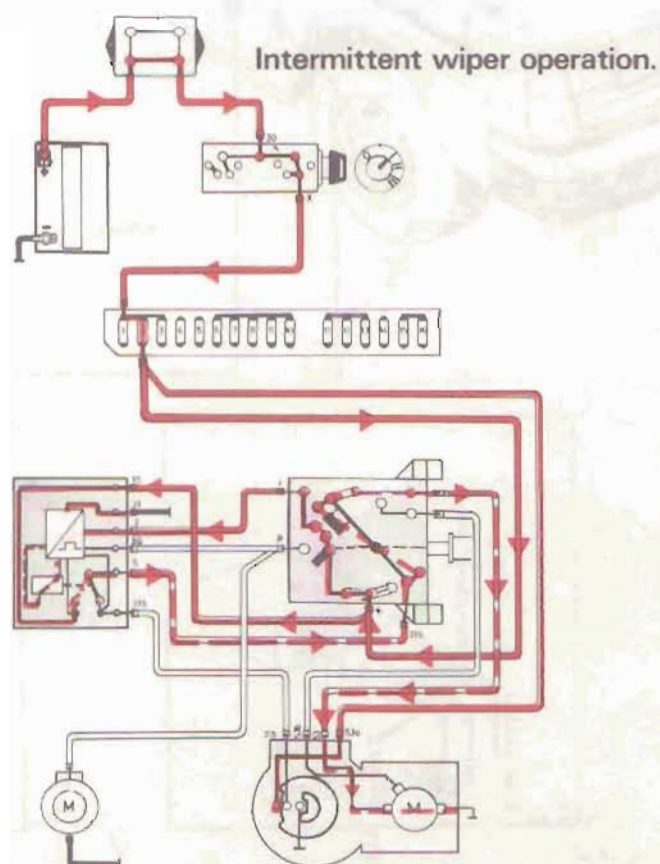
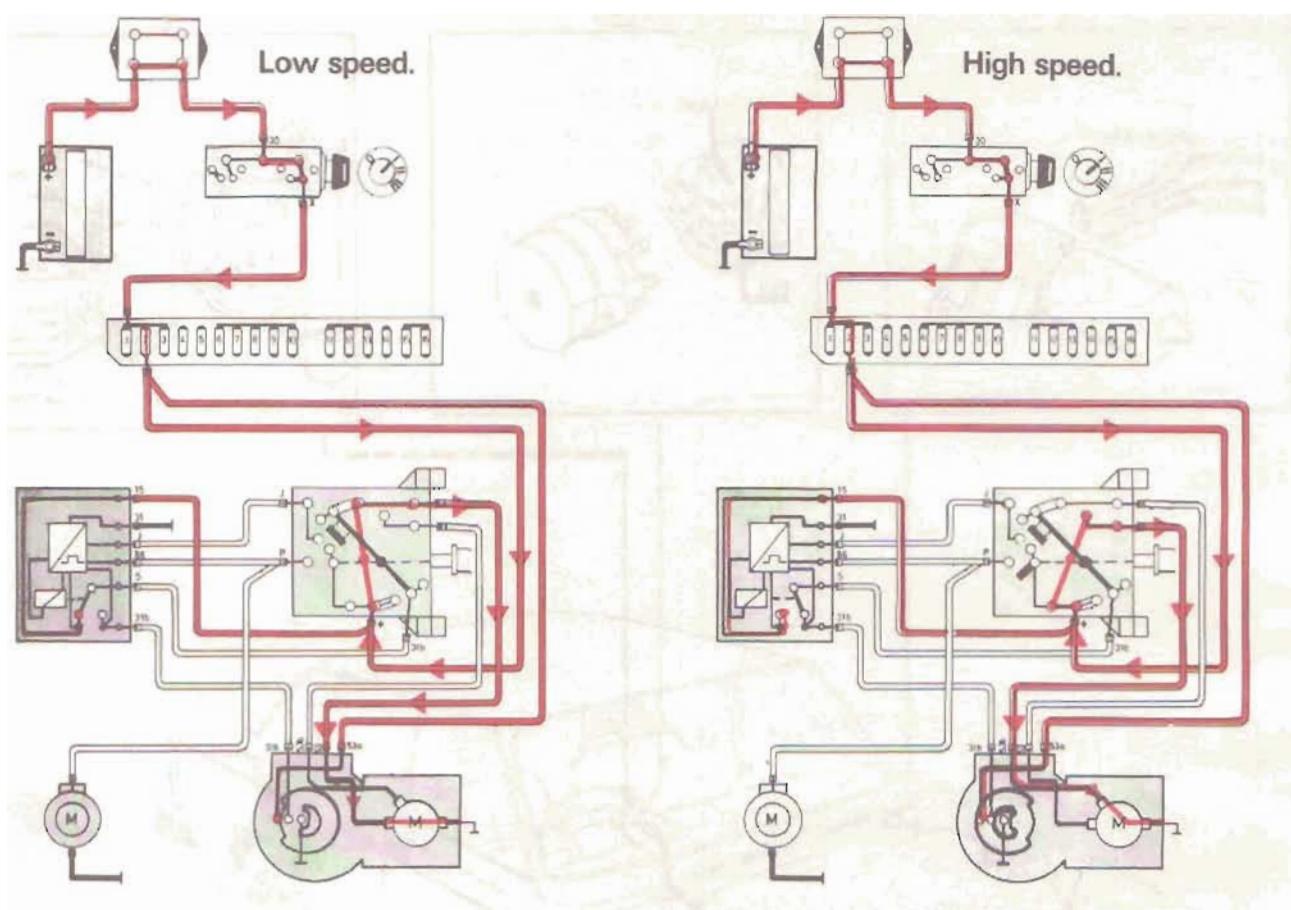


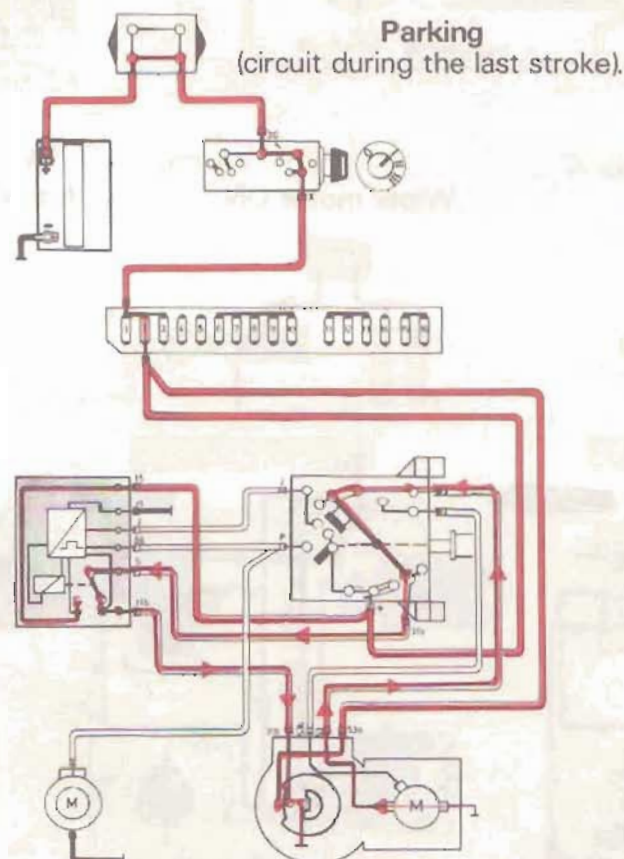
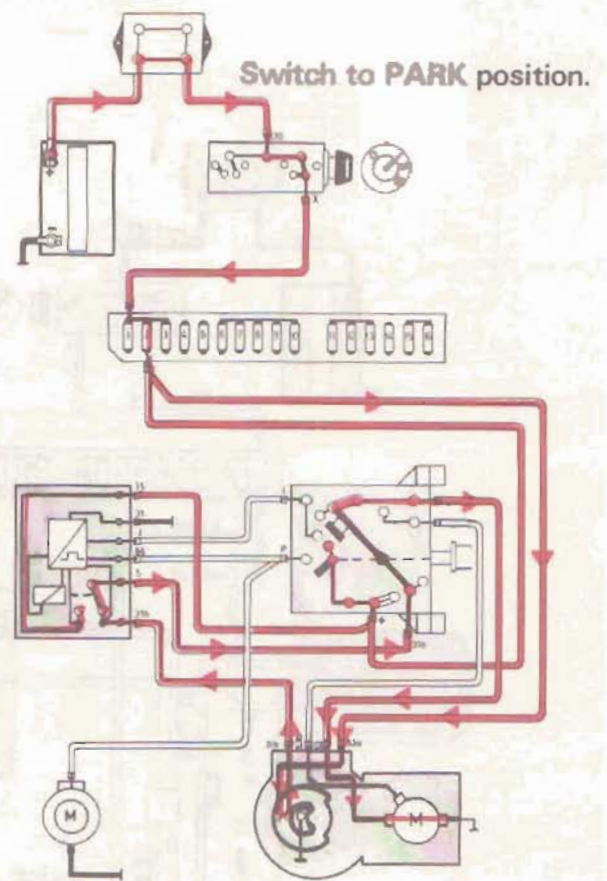
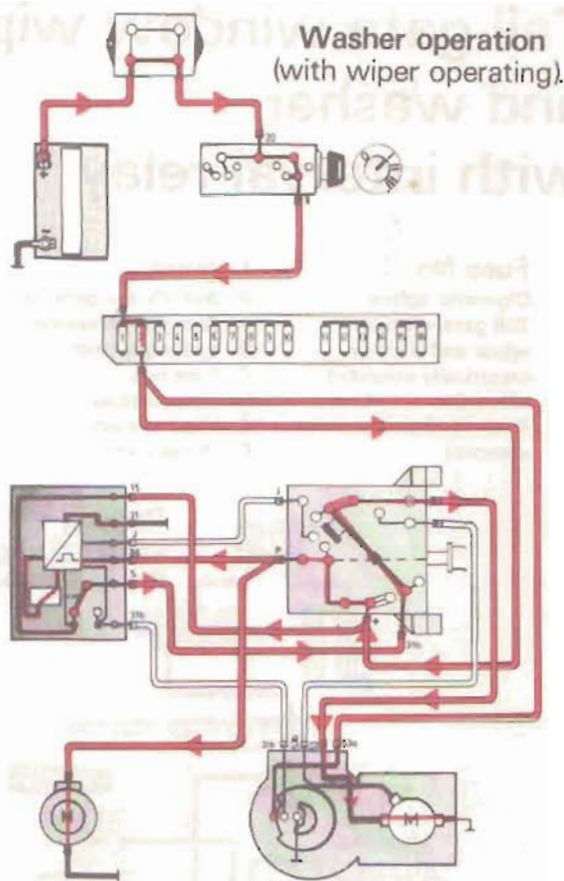


Windshield wiper and washer

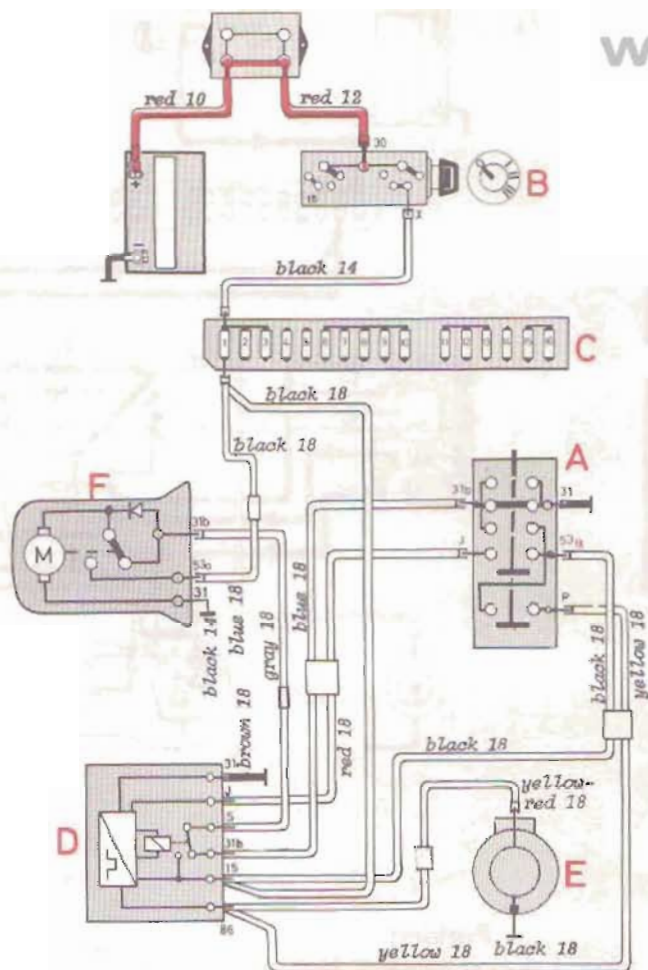








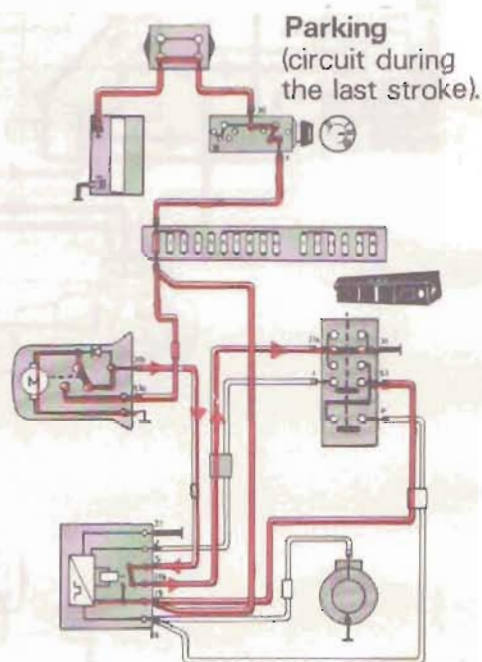
Tail gate window wiper and washer, with interval relay



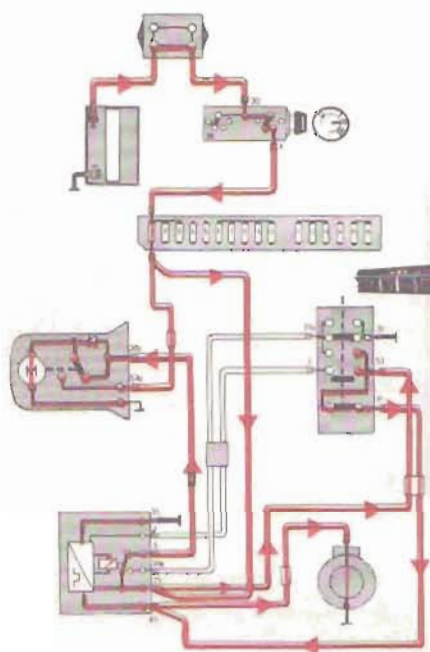
Fuse No. 1:
Cigarette lighter
Tail gate window
wiper and washer
Electrically operated
side mirrors
Radio (and power
antenna)

Legend:

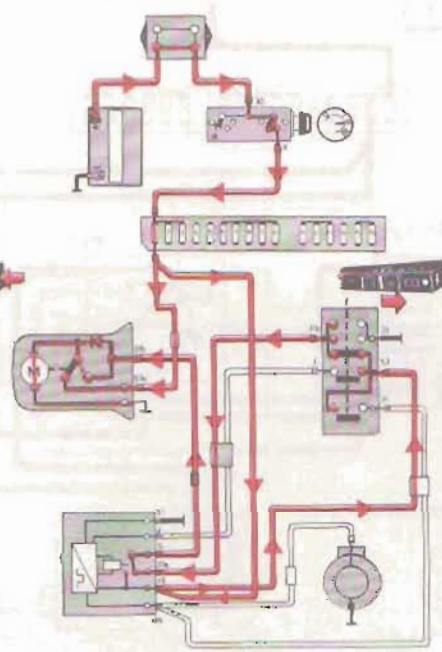
A Switch, tail gate win-
dow wiper/washer
B Ignition switch
C Fuse box
D Interval relay
E Washer motor
F Wiper motor



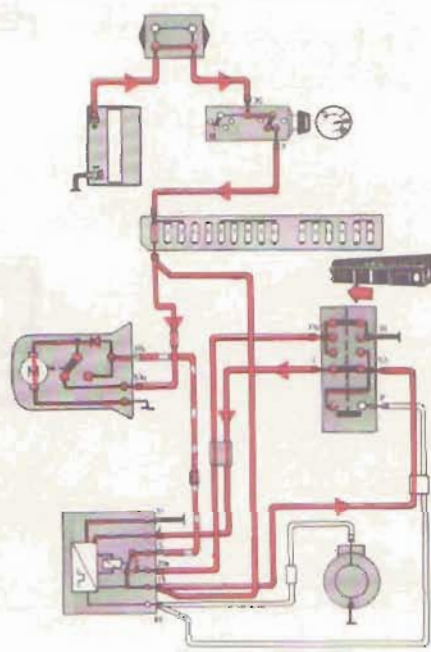
Washer ON. Wiper motor
makes a few strokes.



Wiper motor ON.

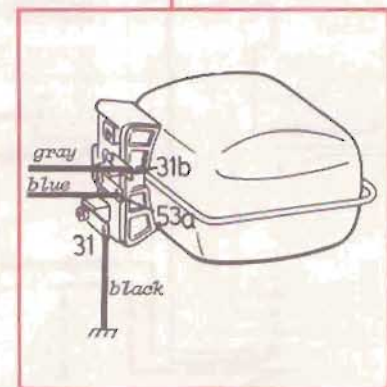
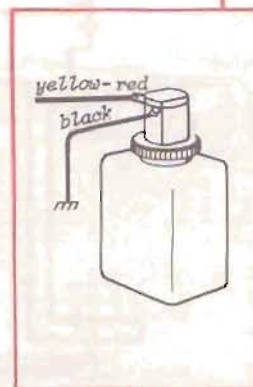
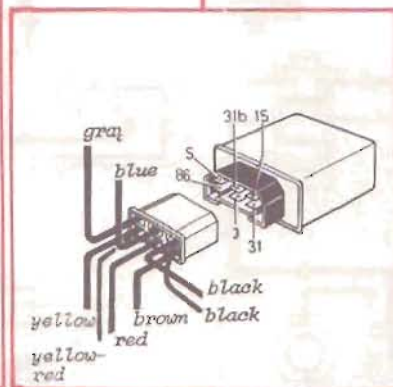
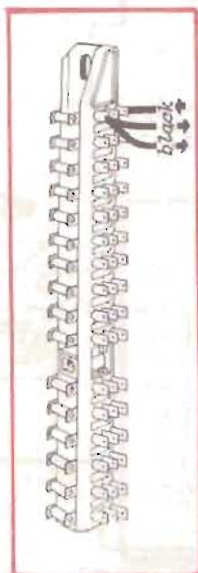
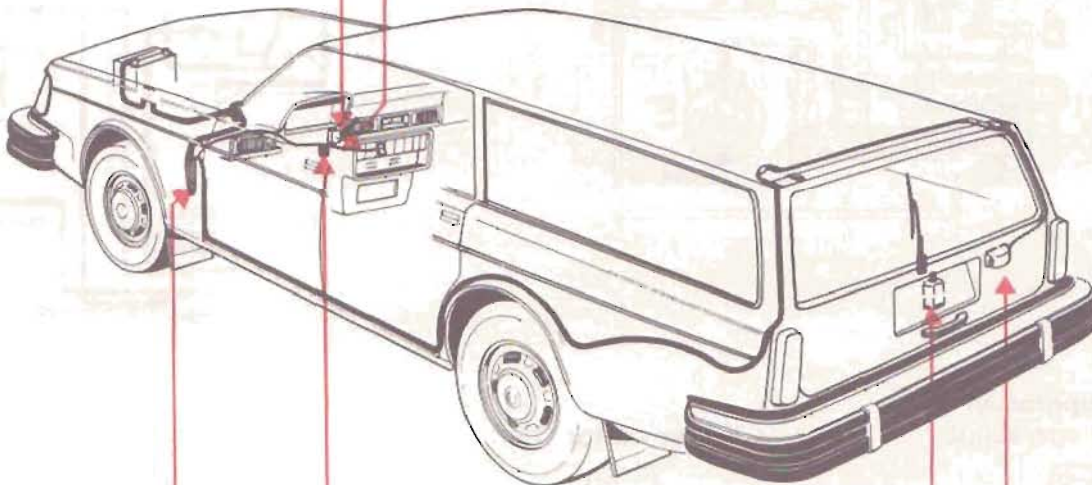
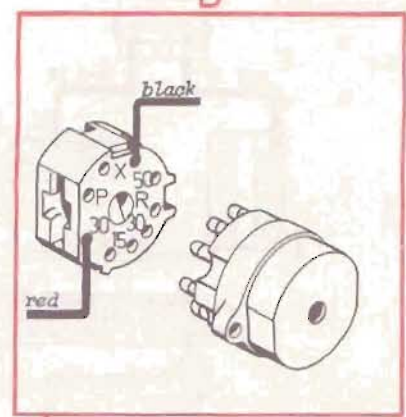
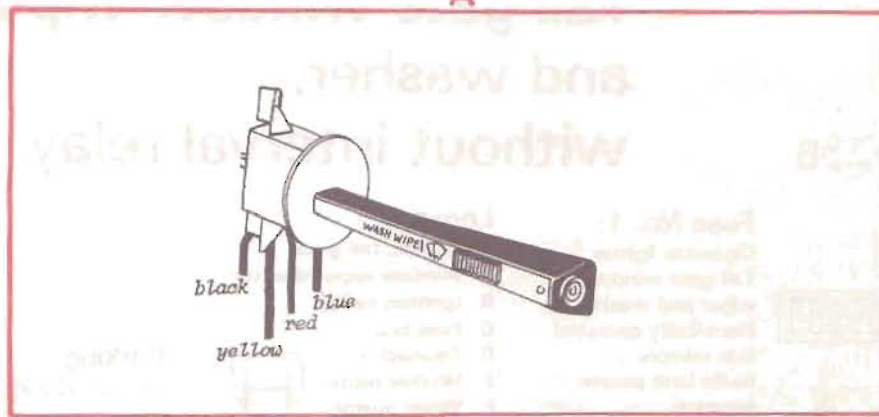


Intermittent wiper operation.



A

B



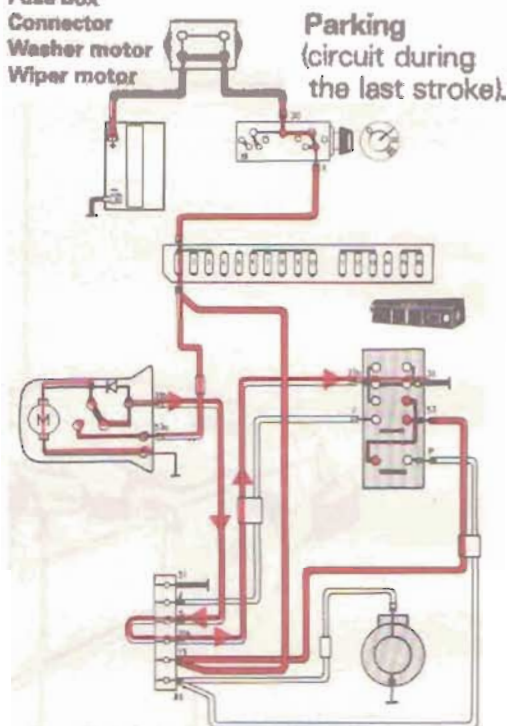
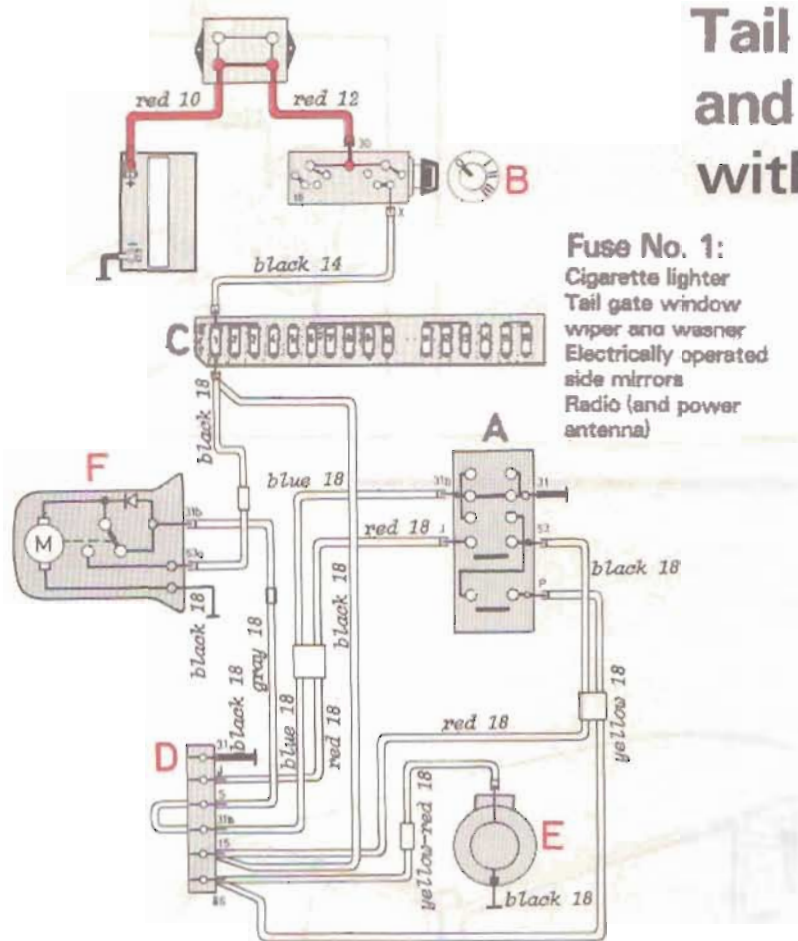
C

D

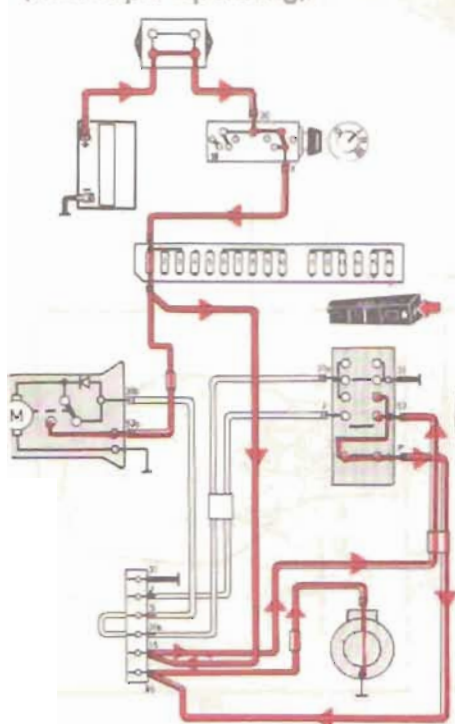
E

F

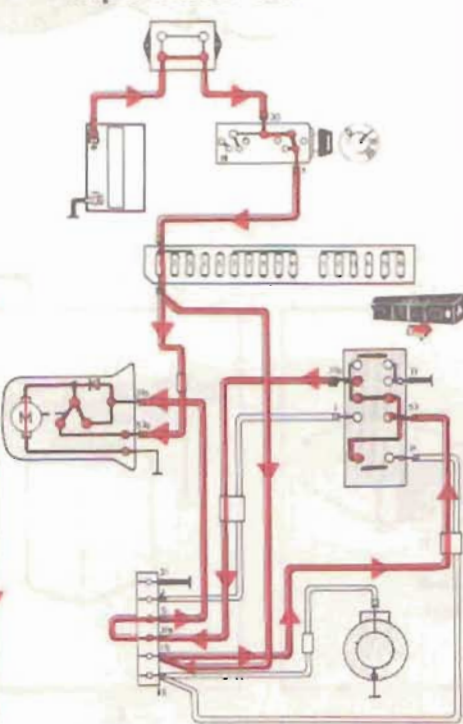
Tail gate window wiper and washer, without interval relay



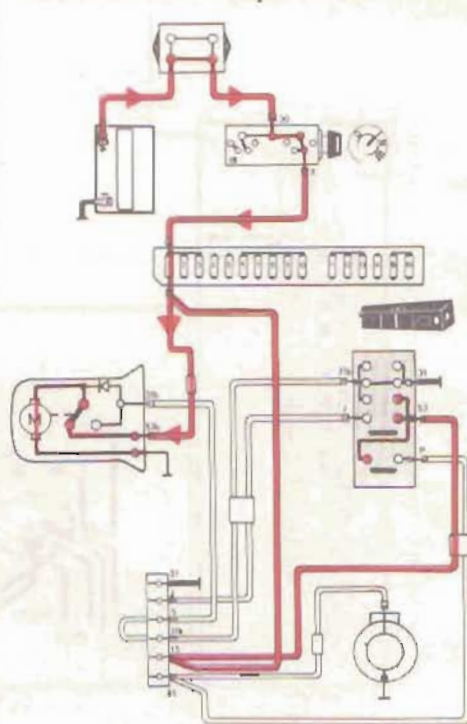
Washer operation
(with wiper operating).



Wiper motor ON.

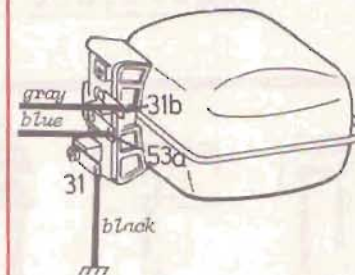
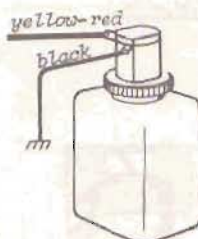
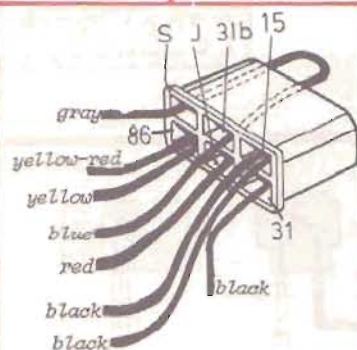
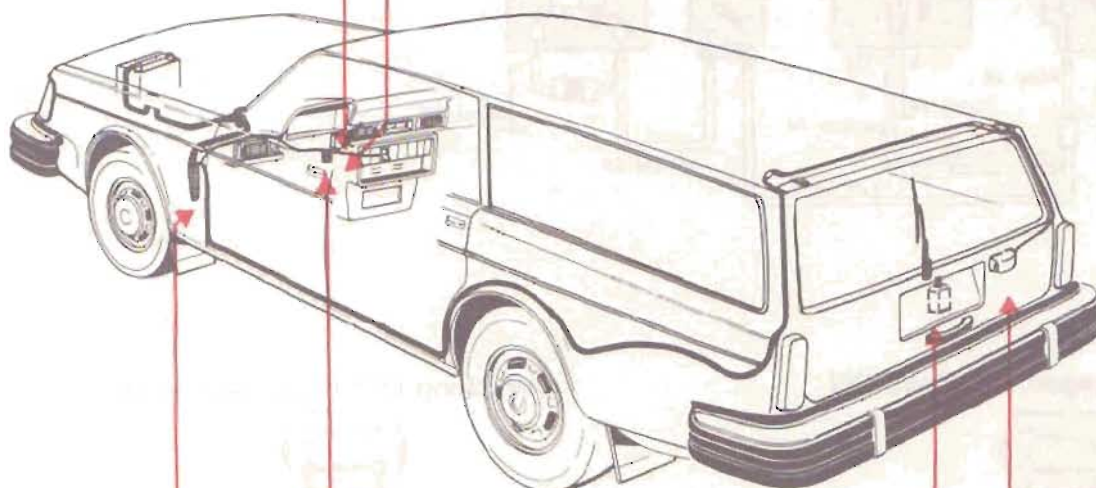
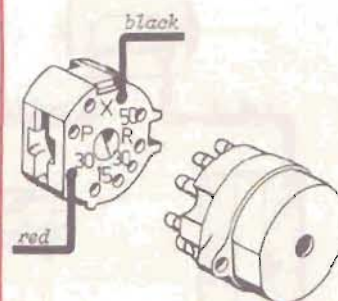
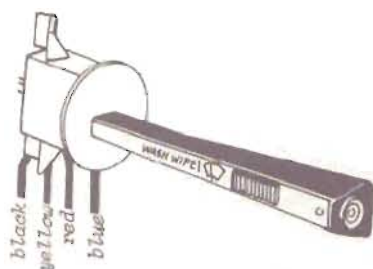


Switch to PARK position.



A

B



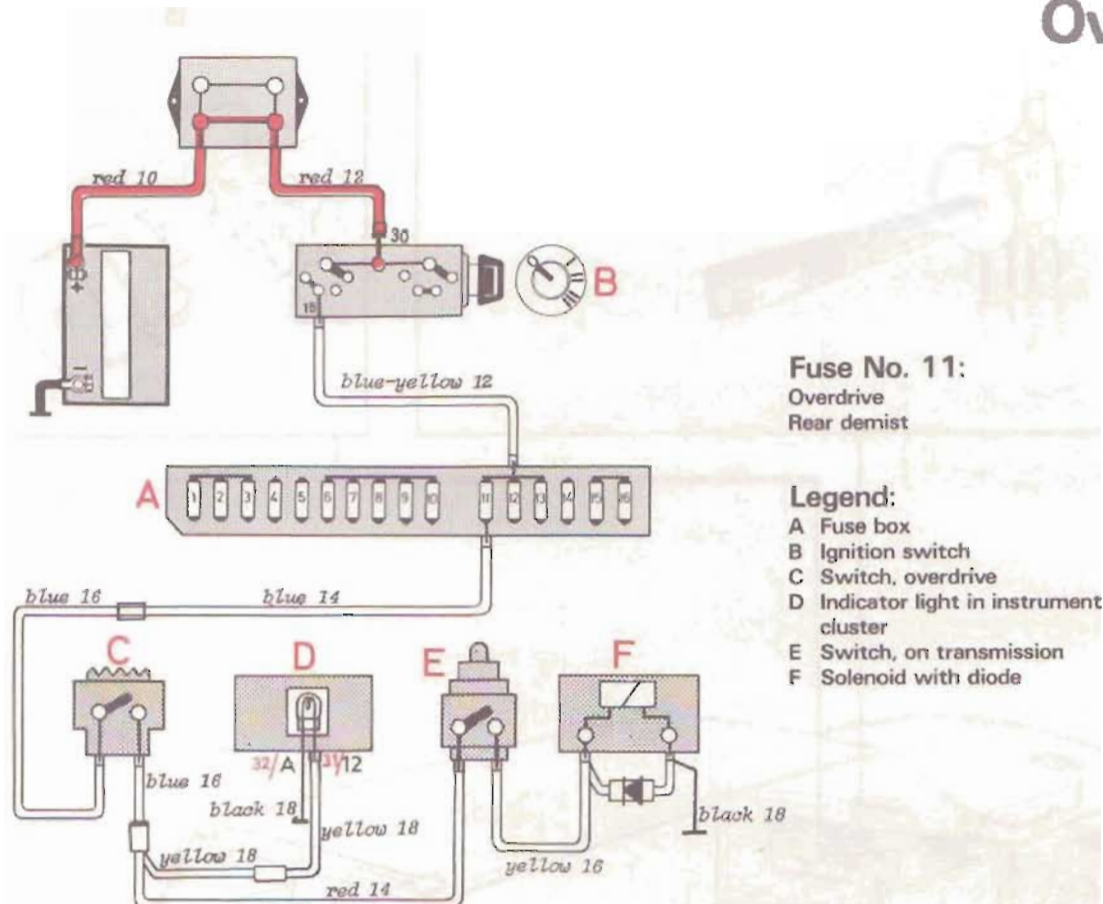
C

D

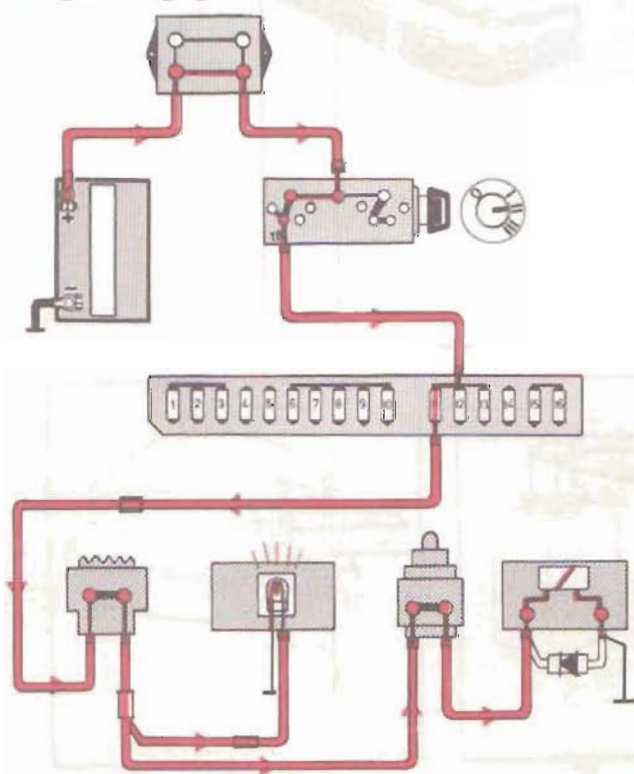
E

F

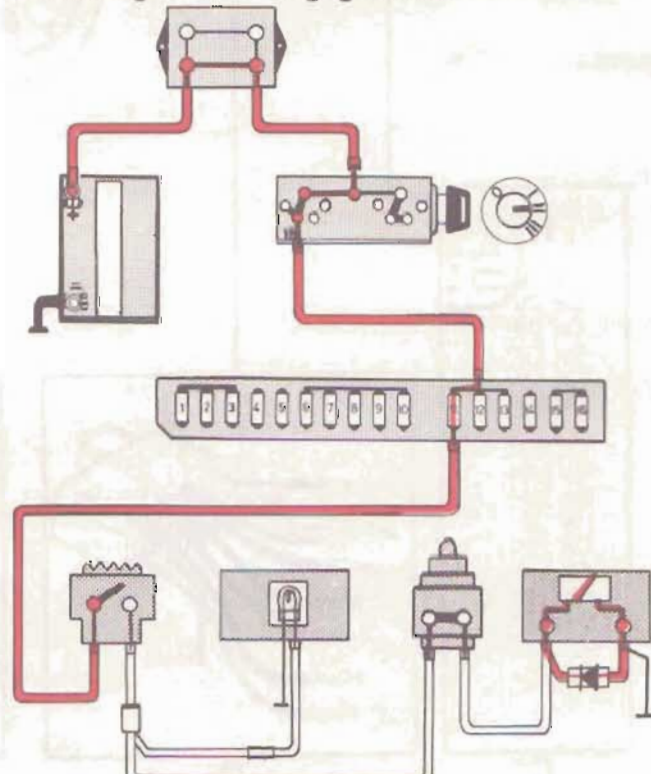
Overdrive

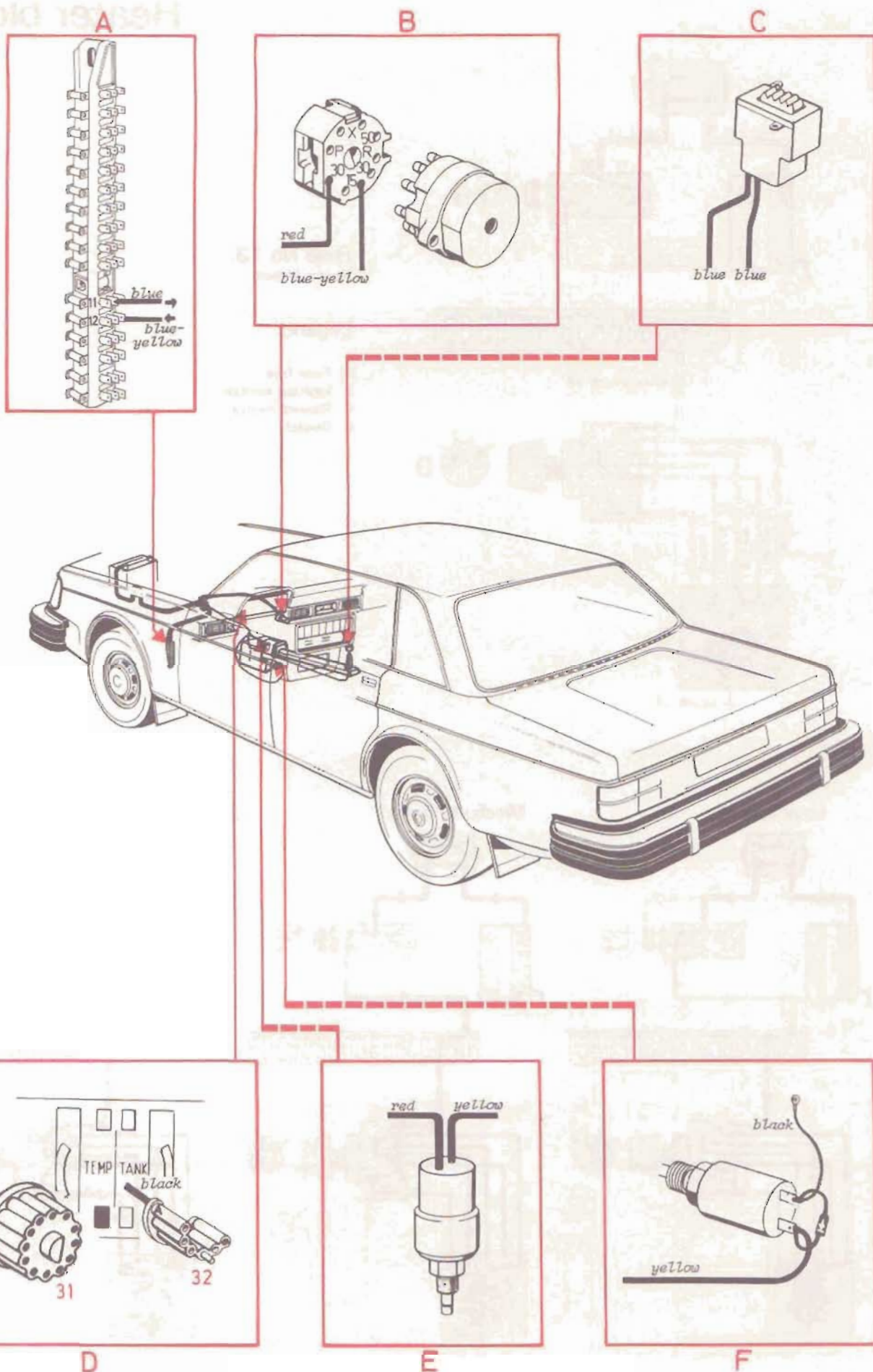


4th gear engaged, overdrive ON

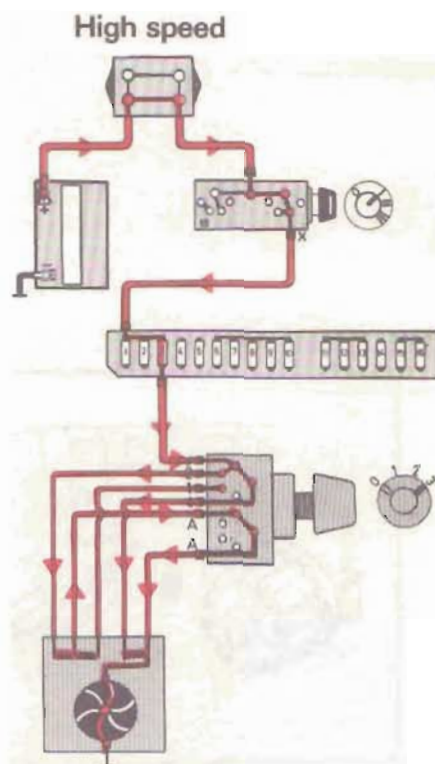
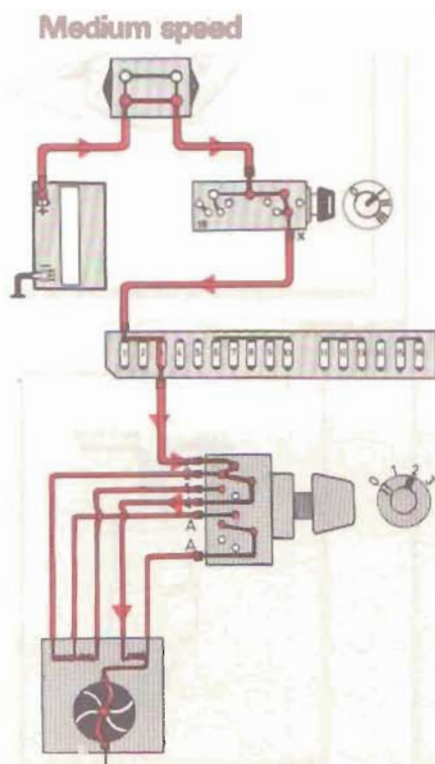
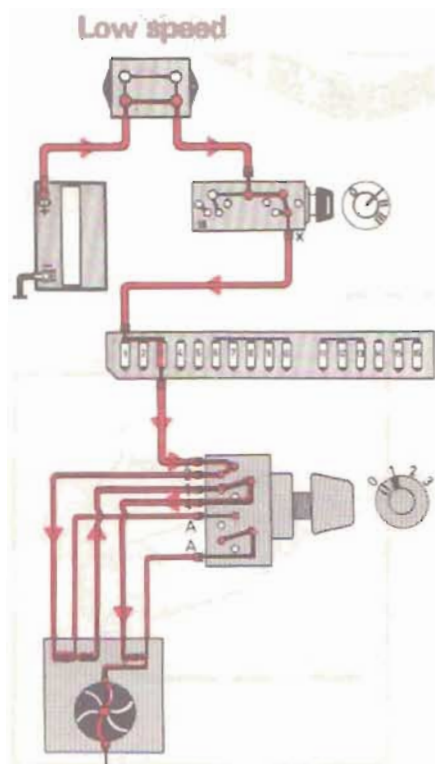
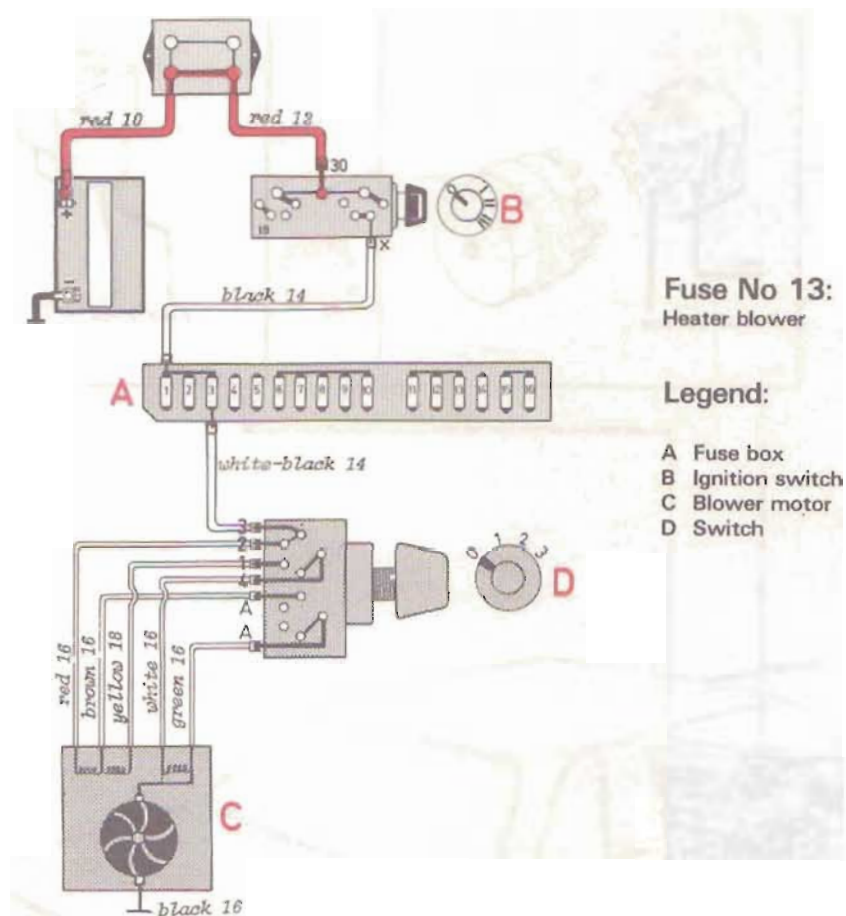


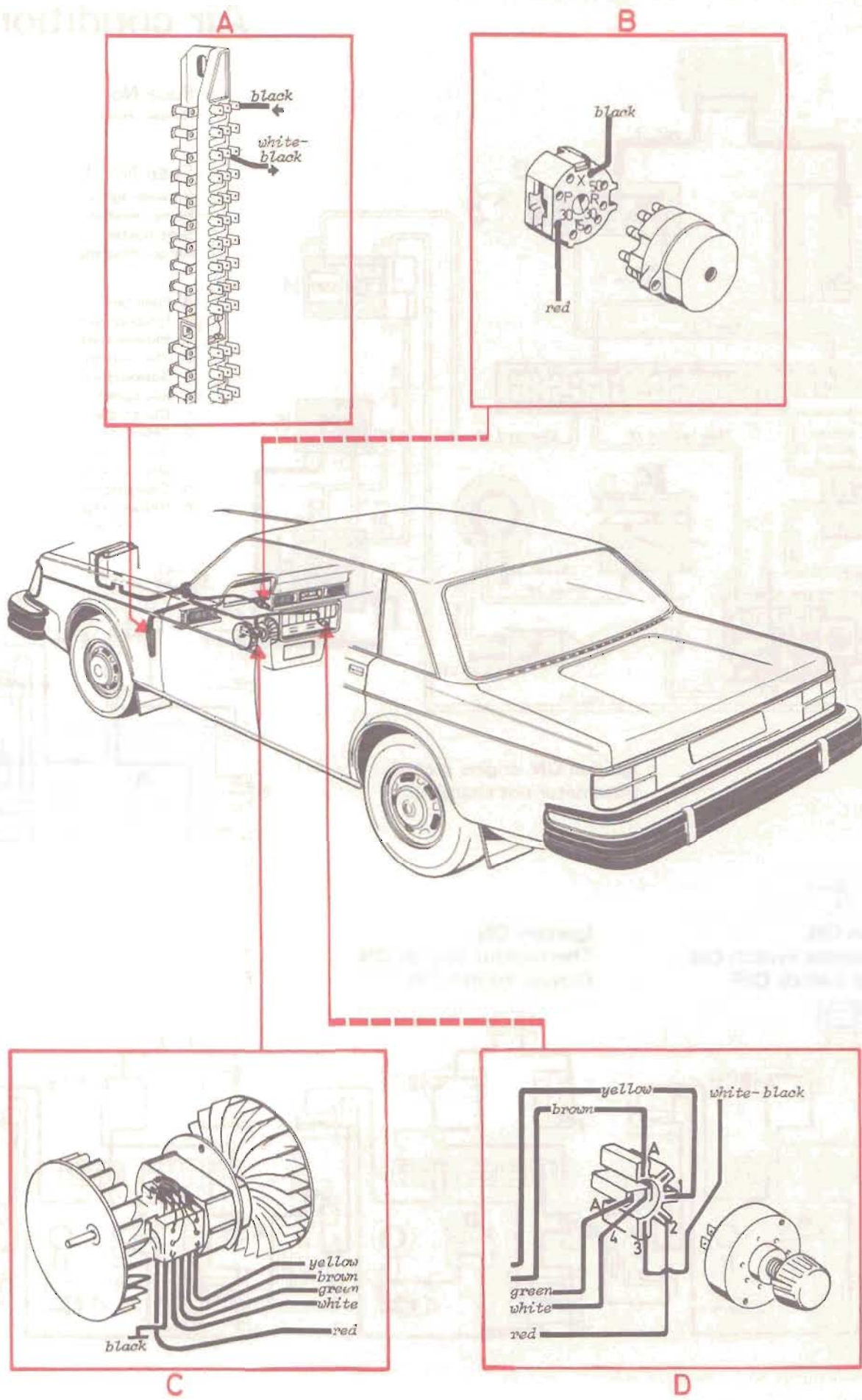
Switching OFF (disengagement)





Heater blower



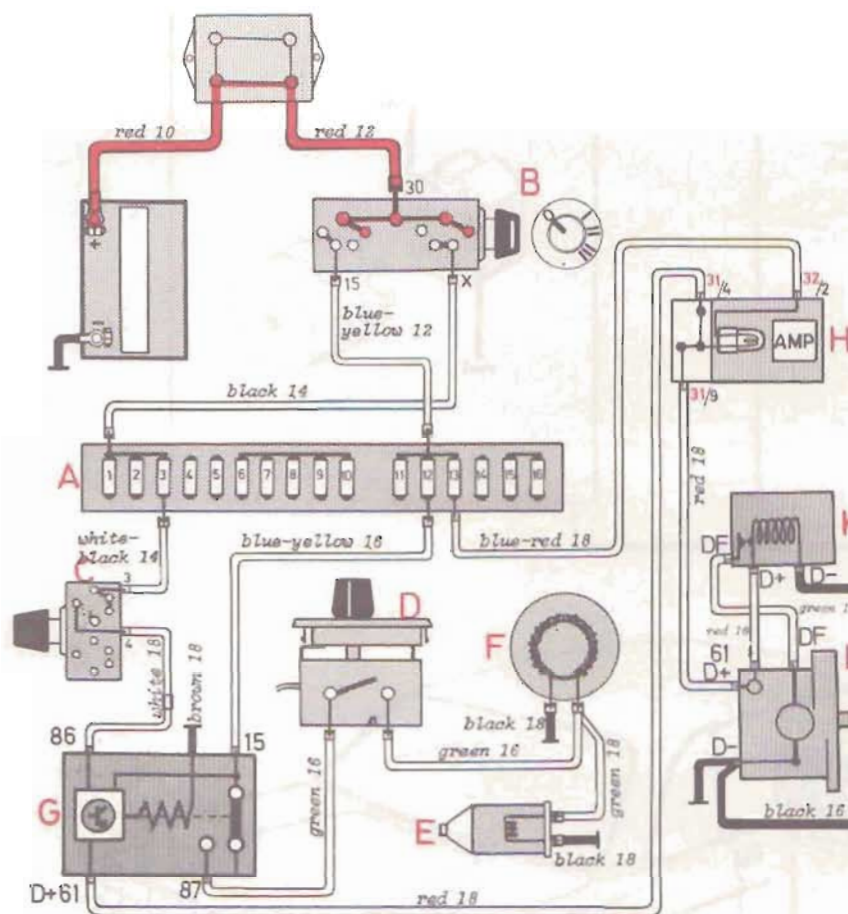


Air conditioning

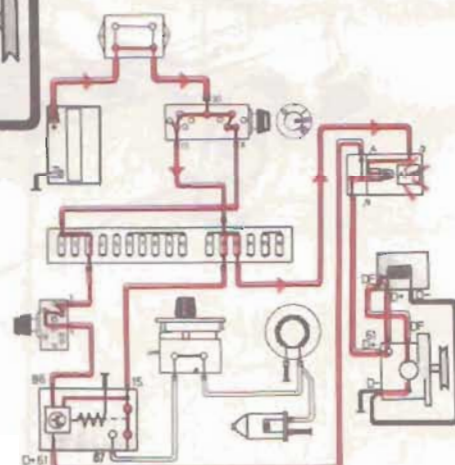
Fuse No. 3:
Heater blower

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



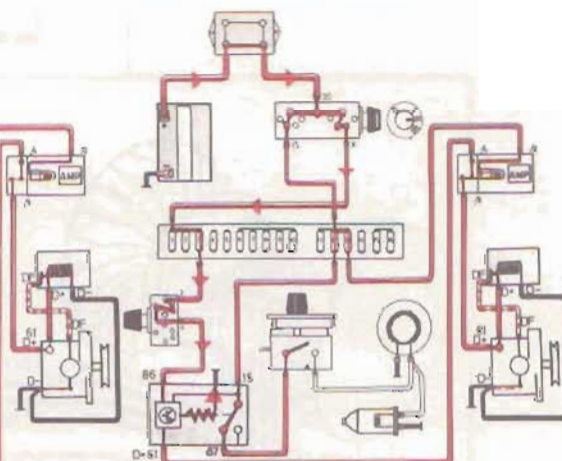
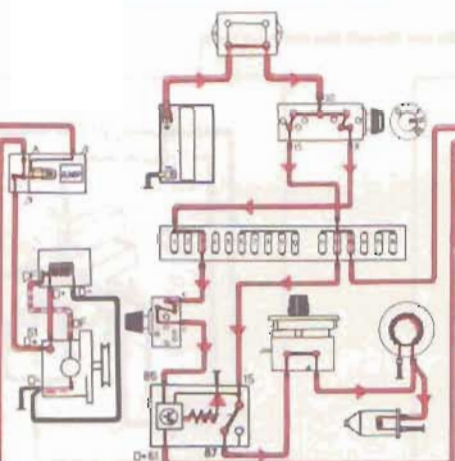
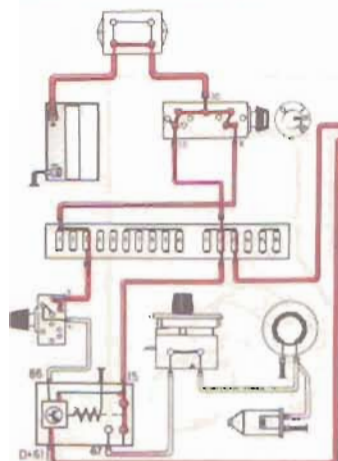
Ignition ON, engine stalled.
(Alternator not charging).

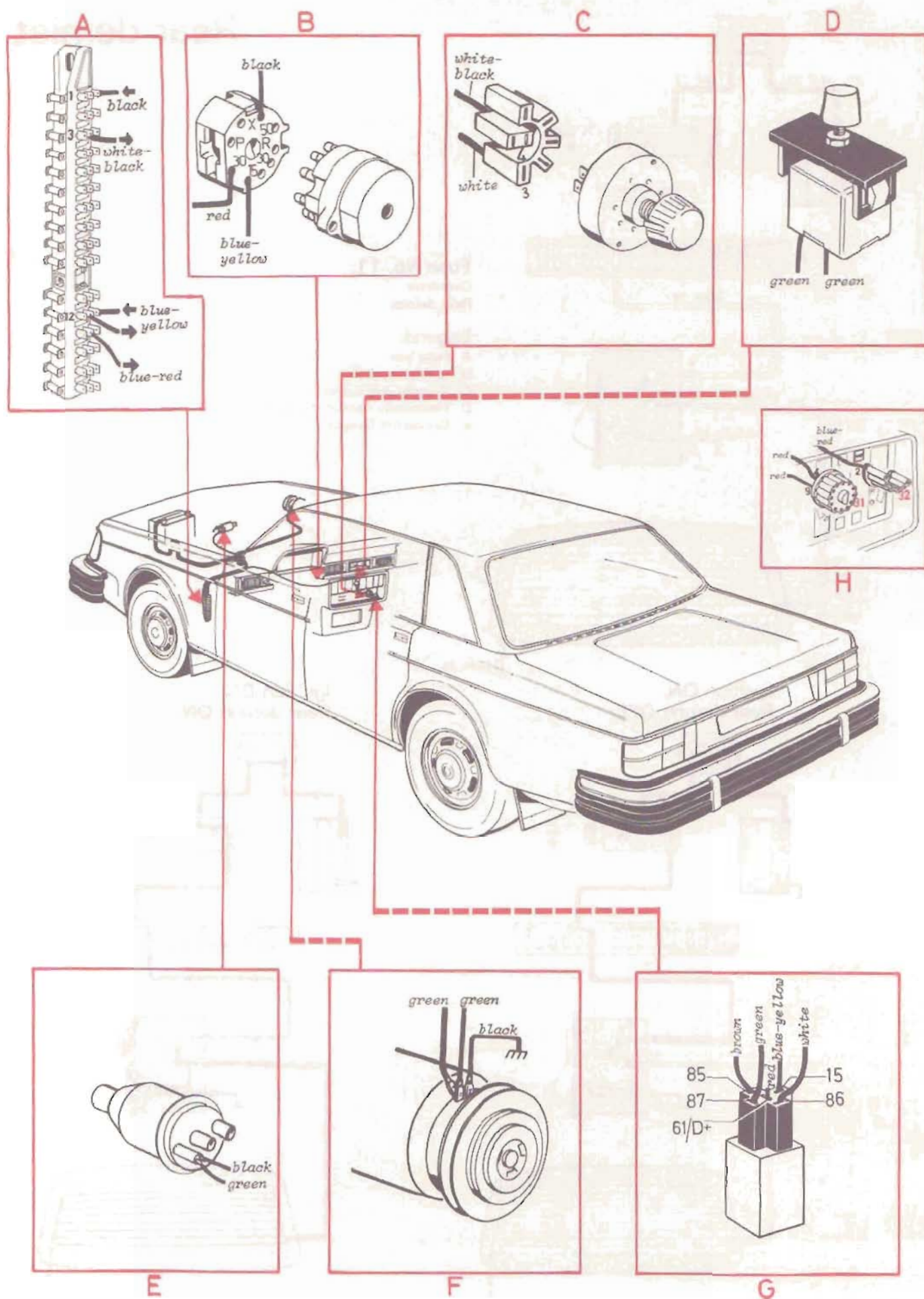


Ignition ON.
Thermostat switch ON.
Blower switch OFF.

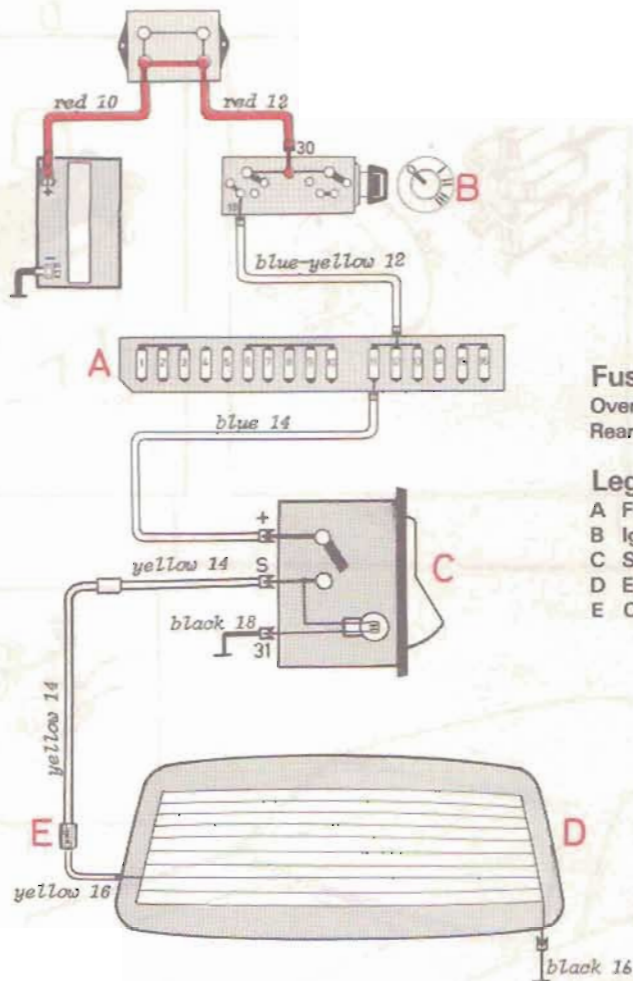
Ignition ON.
Thermostat switch ON.
Blower switch ON.

Ignition ON.
Thermostat switch OFF.
Blower switch ON.

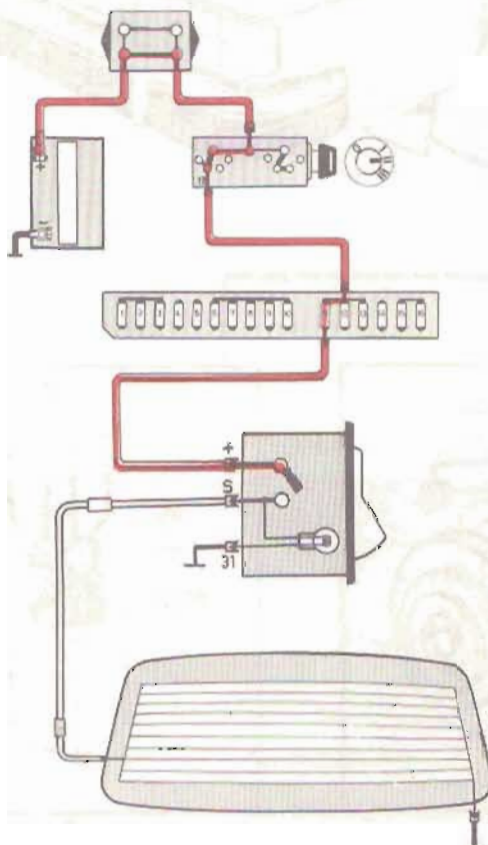




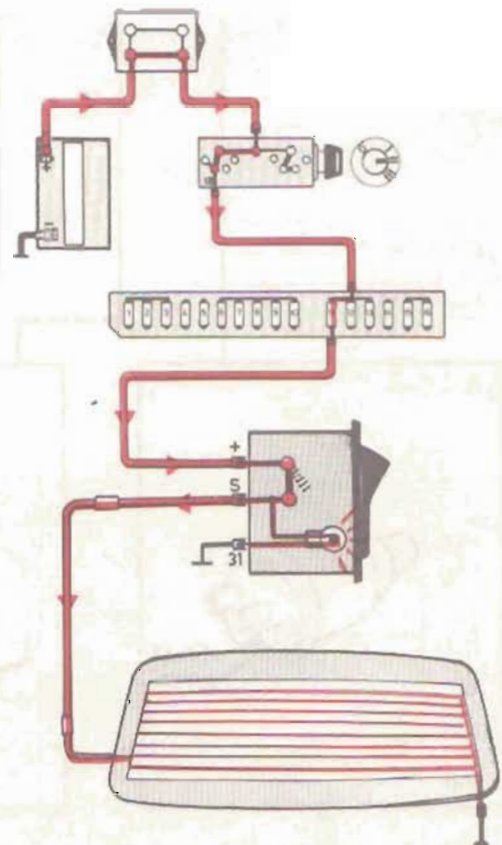
Rear demist

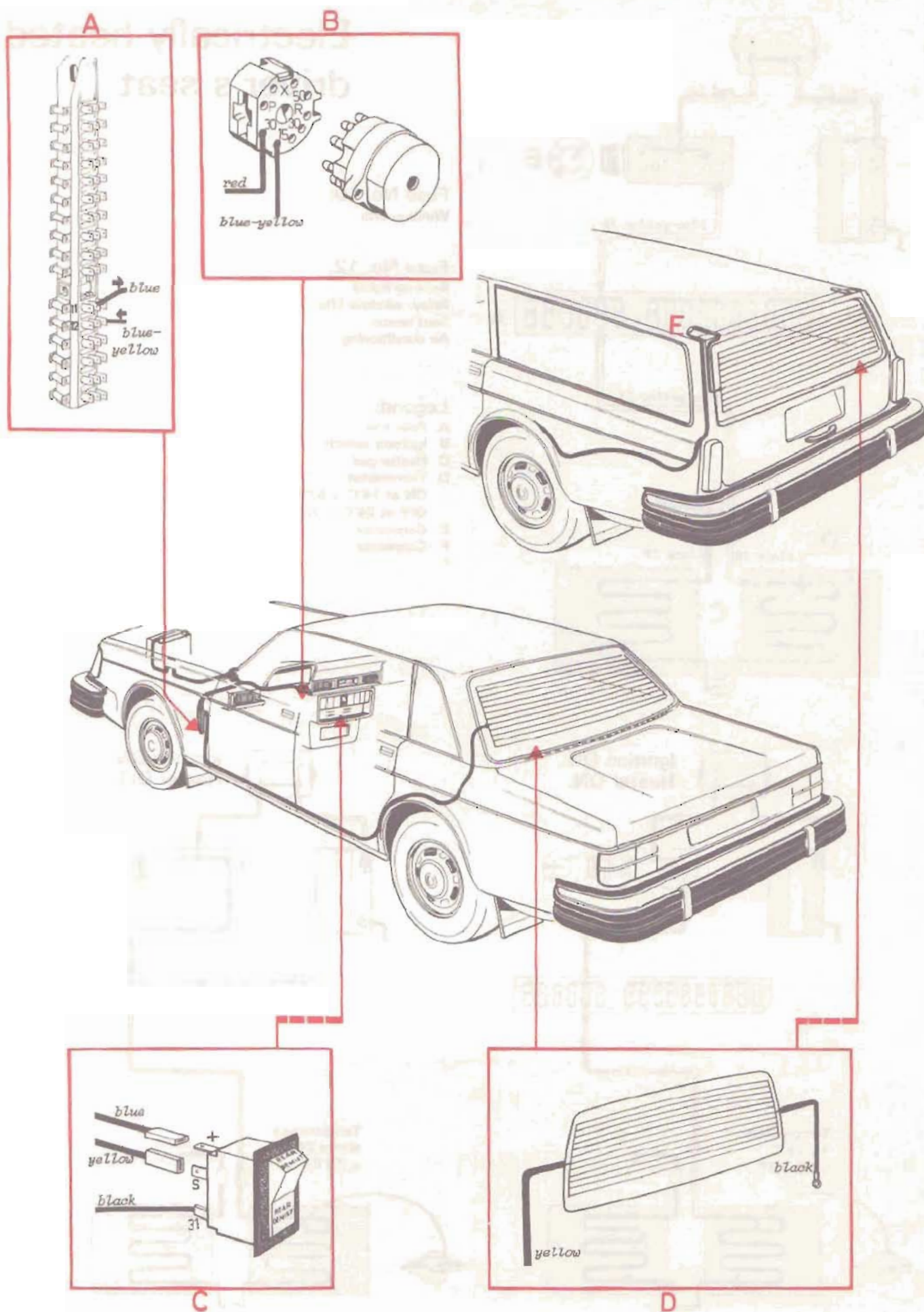


Ignition ON.
Rear demist OFF.

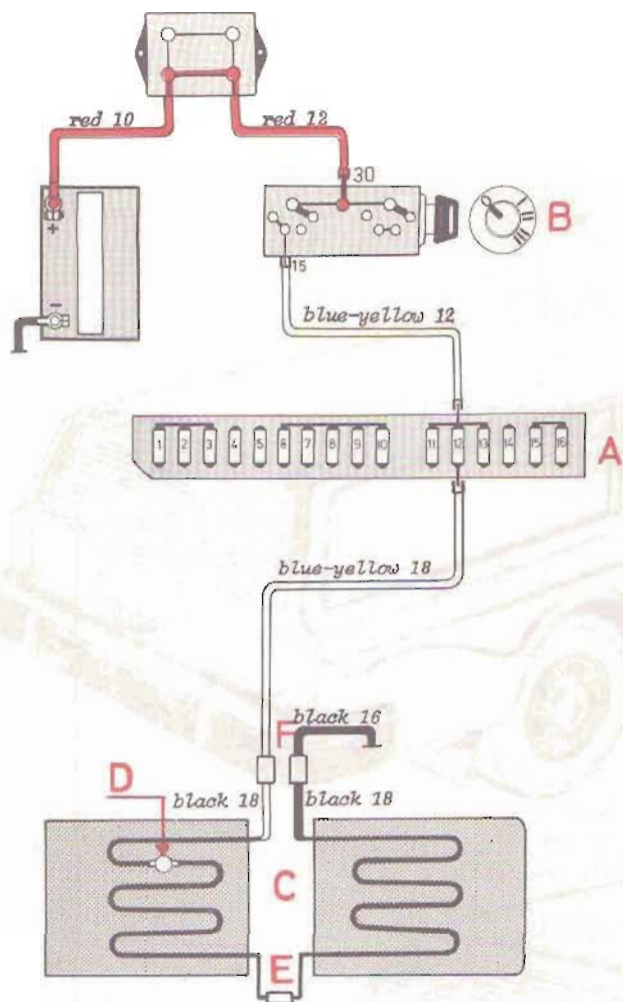


Ignition ON.
Rear demist ON.





Electrically heated driver's seat

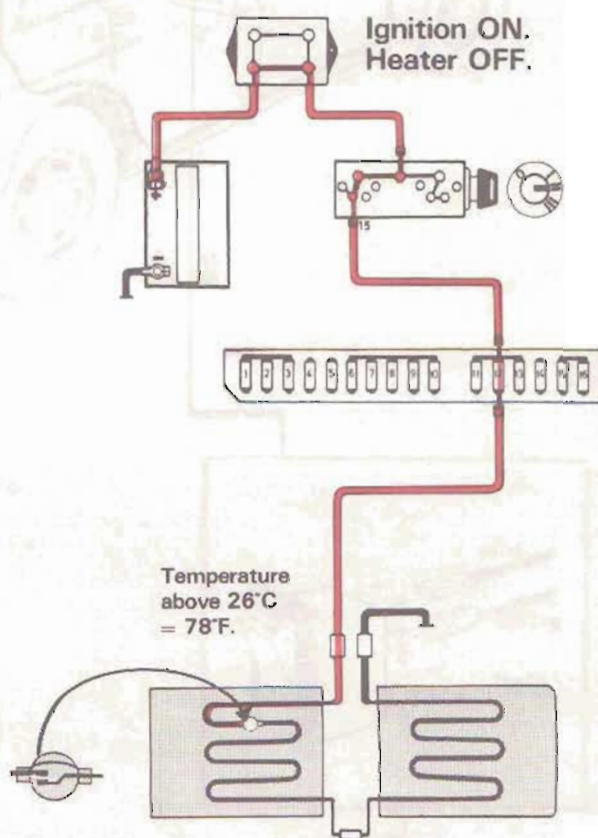
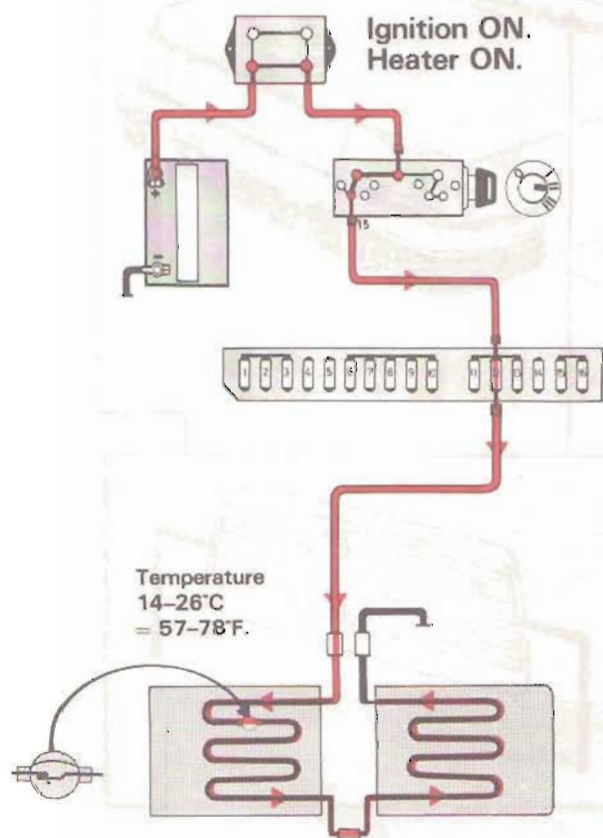


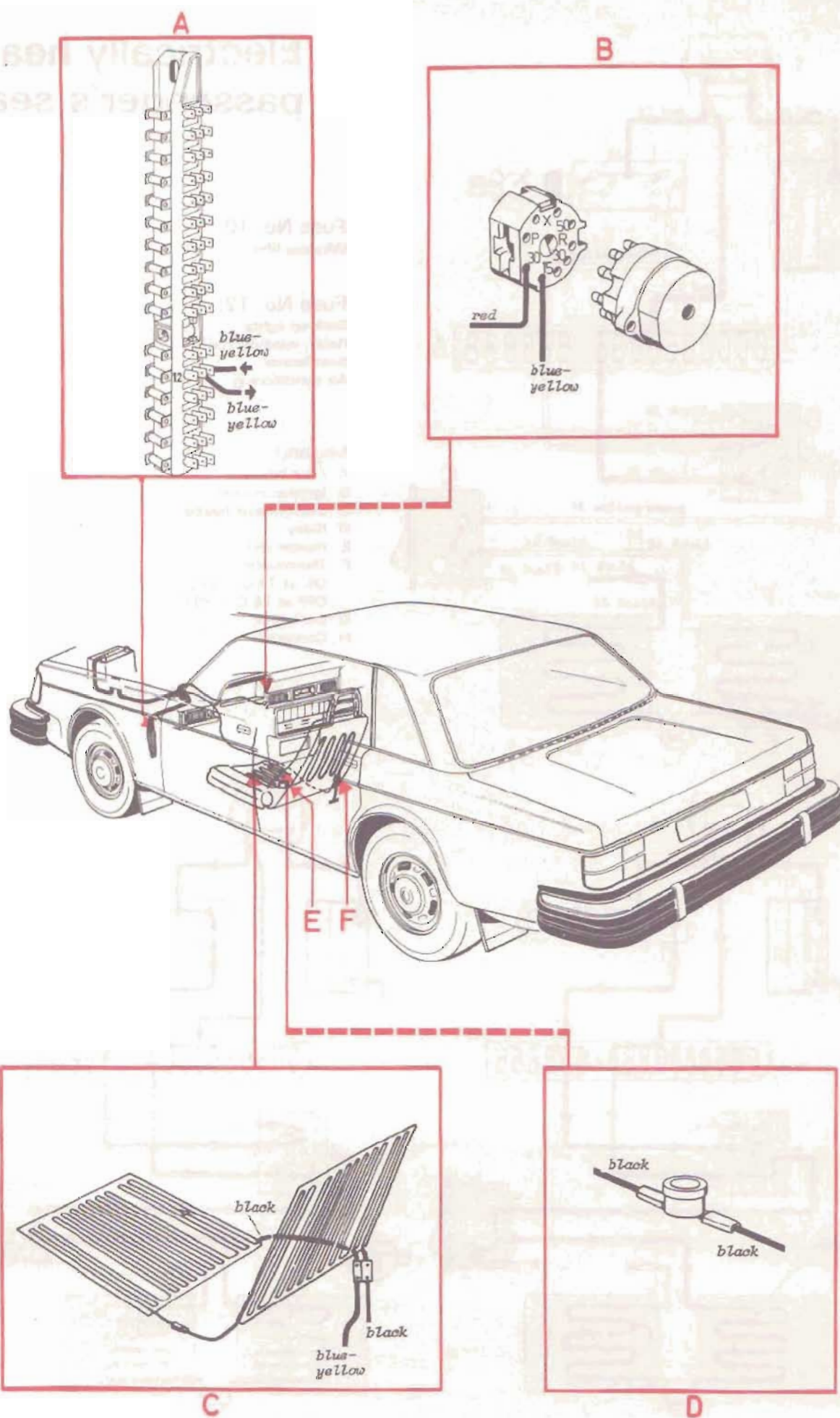
Fuse No. 10:
Window lifts

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

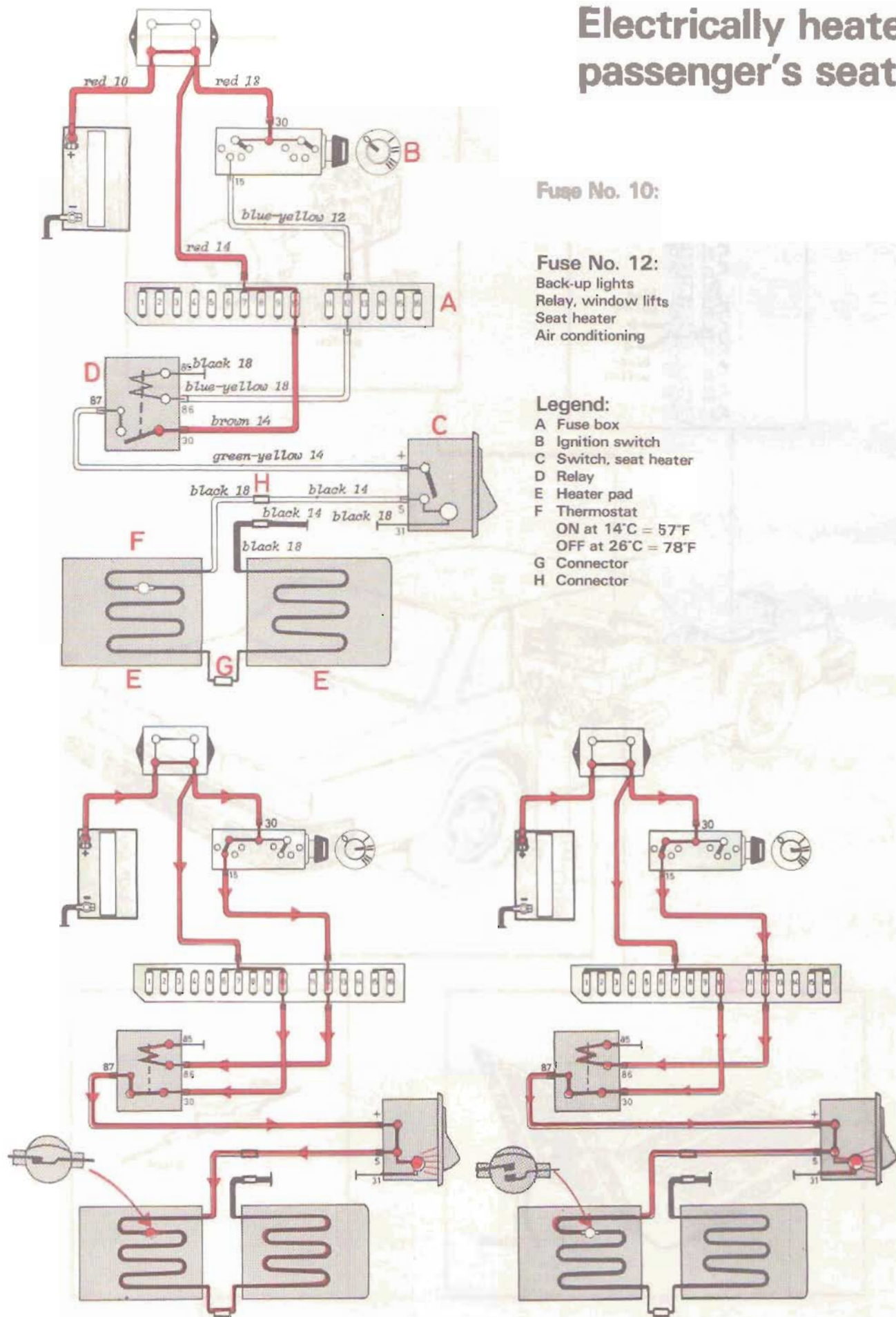
Fuse No. 10:

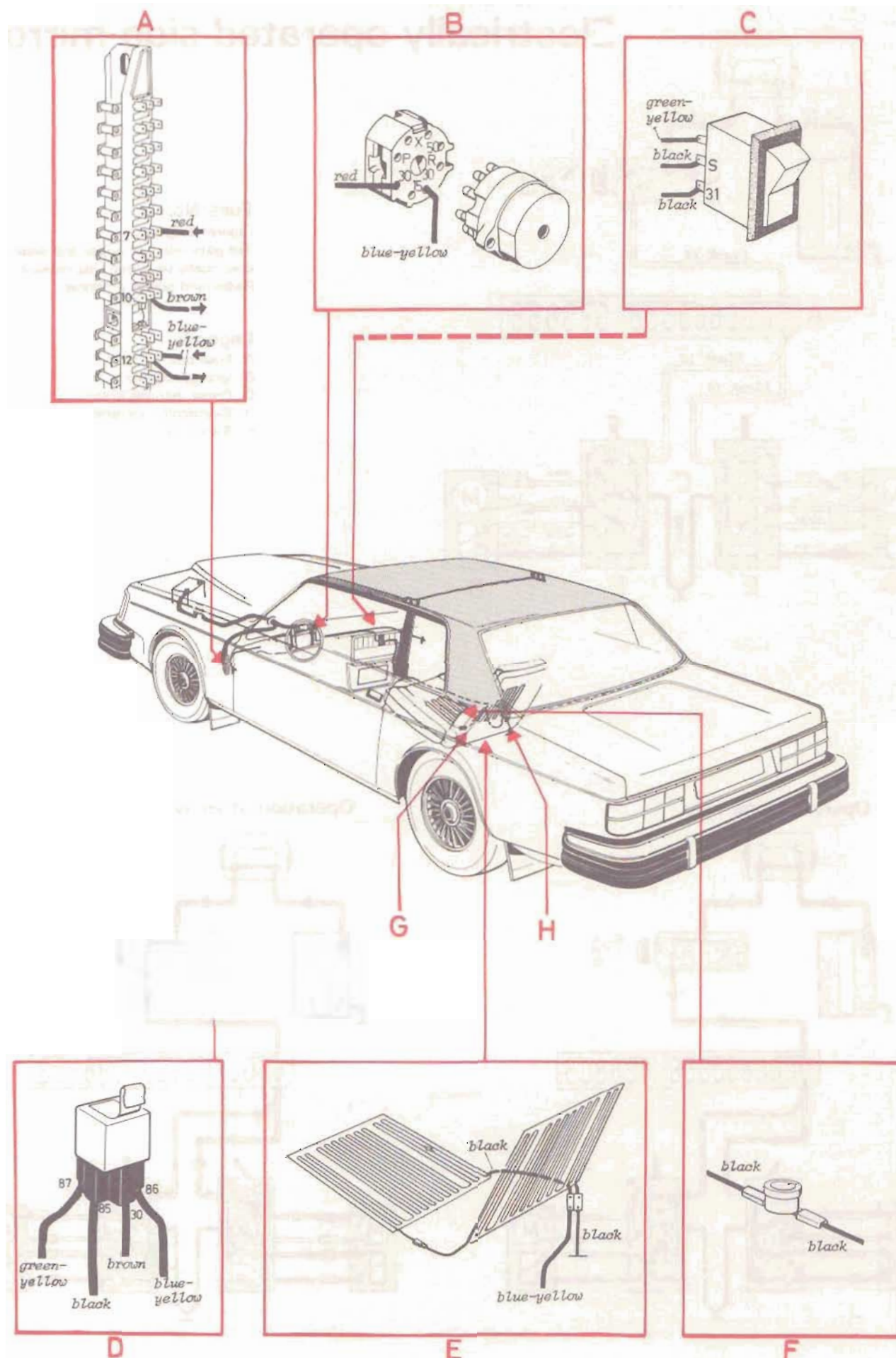
Fuse No. 12:

Back-up lights
Relay, window lifts
Seat heater
Air conditioning

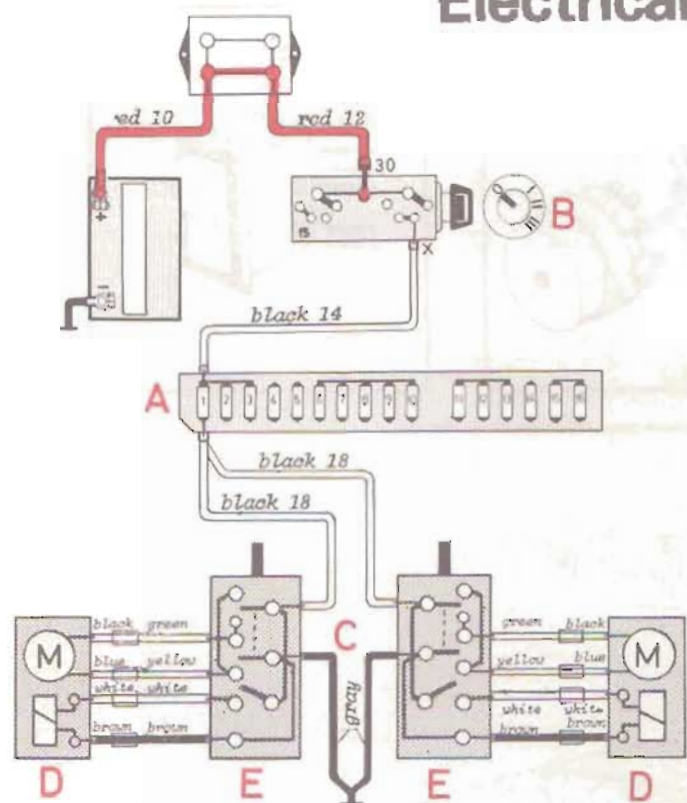
Legend:

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



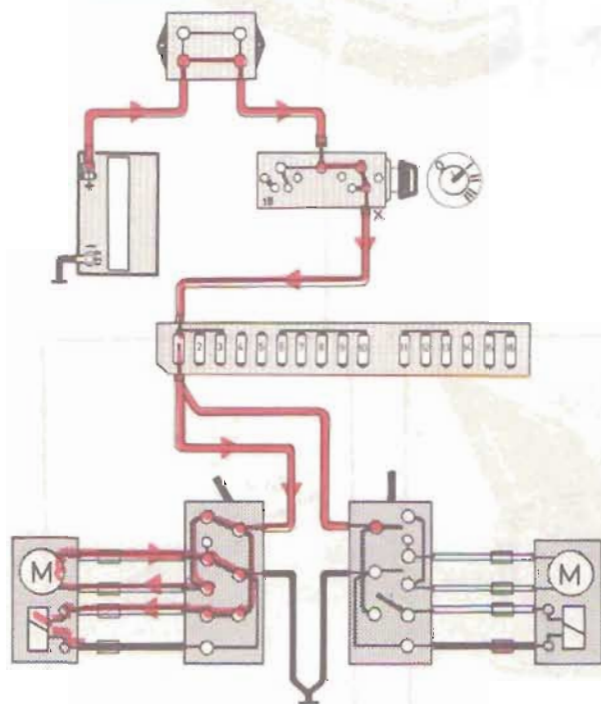
Fuse No. 1:

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

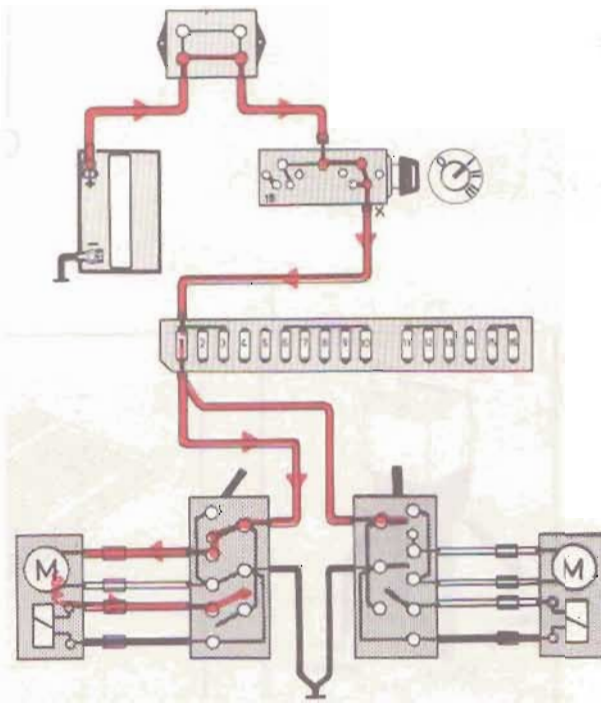
Legend:

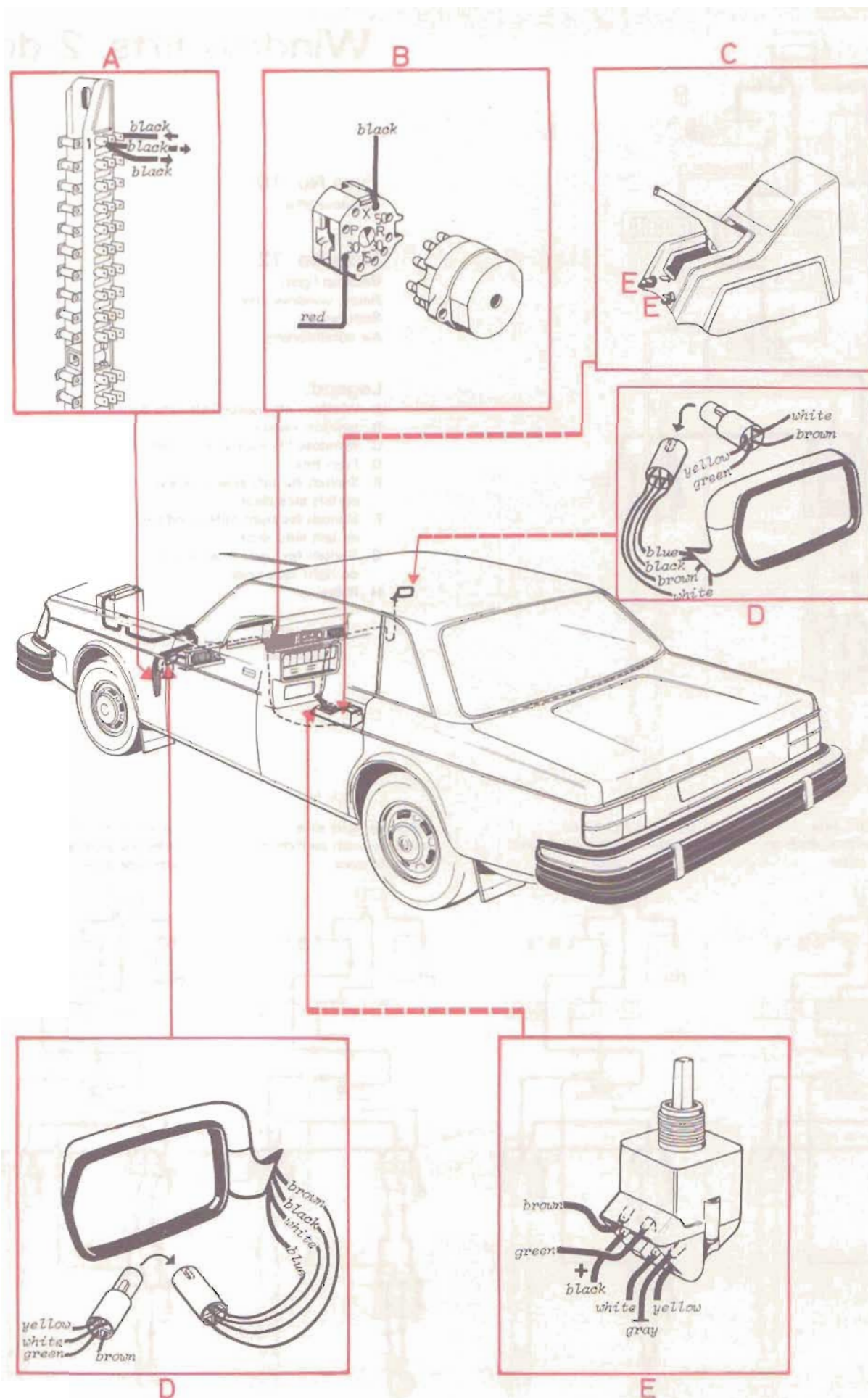
- A Fuse box
- B Ignition switch
- C Cover, parking brake
- D Electrically operated mirrors
- E Switches

Operation one way.

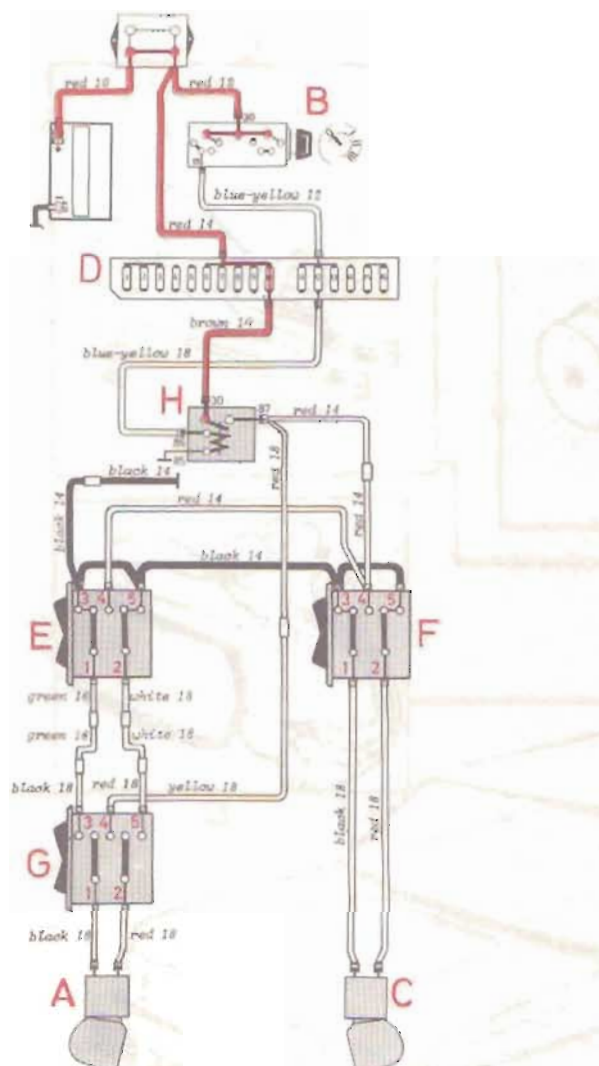


Operation other way.





Window lifts, 2-door



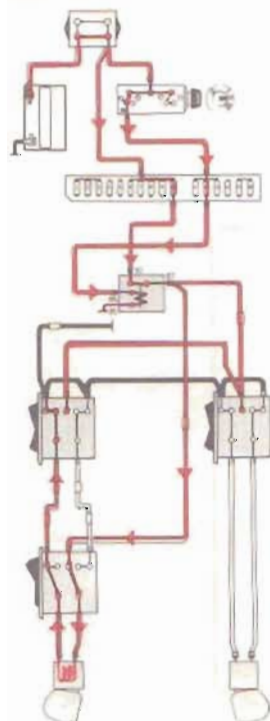
Fuse No. 10:
Window lifts

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

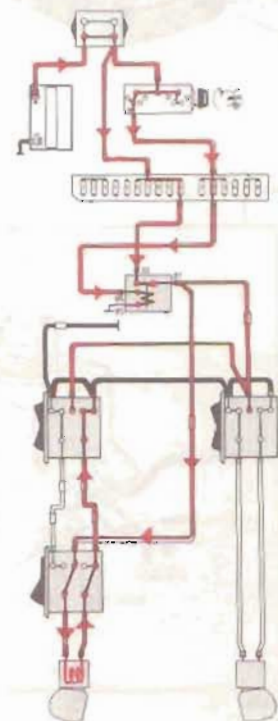
Legend:

- 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

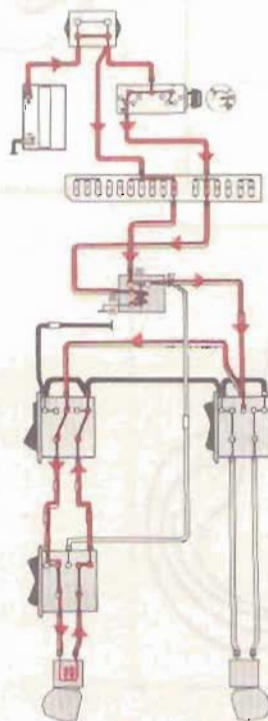
Closing right side window with switch on right side door



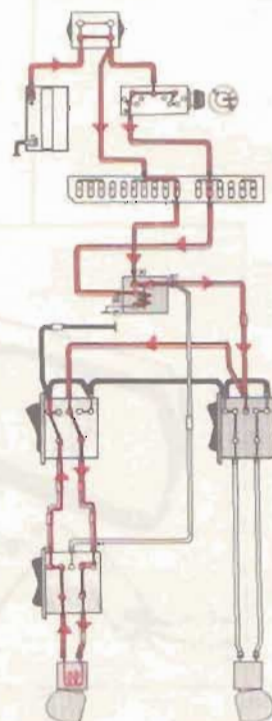
Opening right side window with switch on right side door

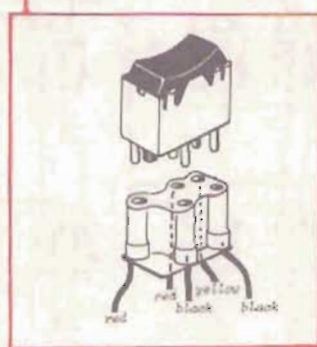
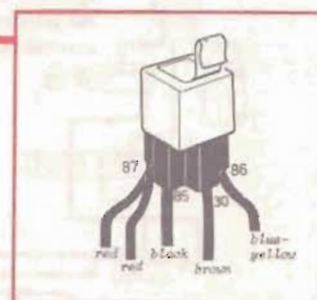
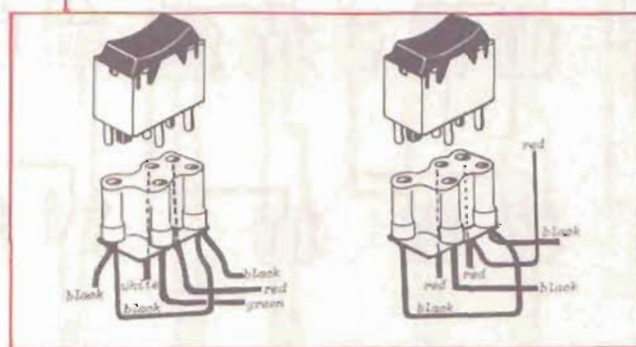
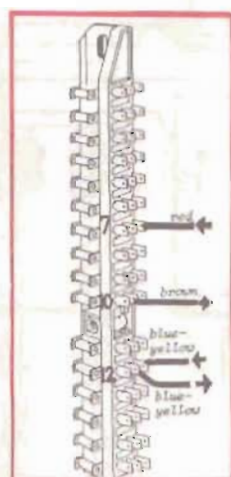
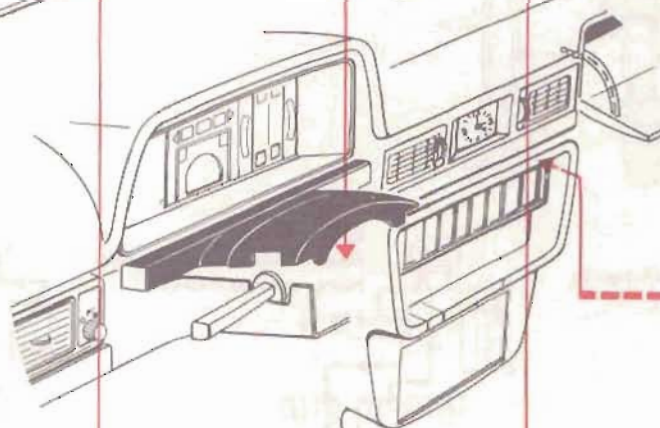
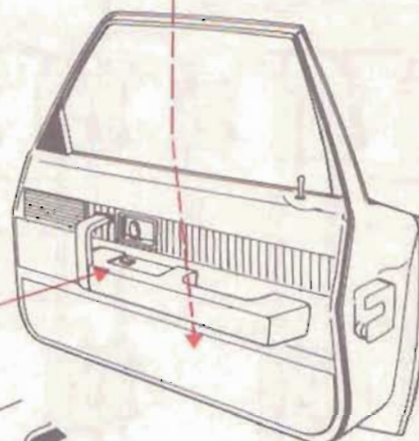
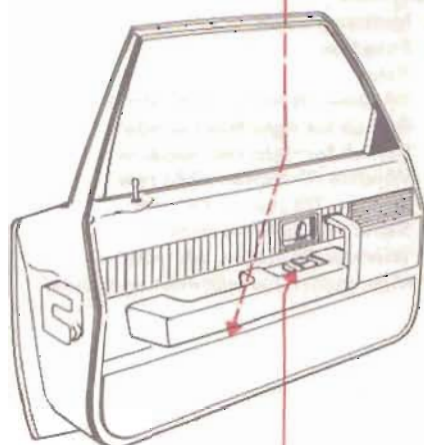
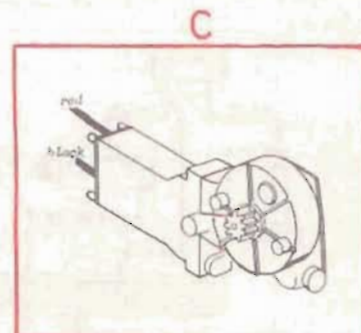
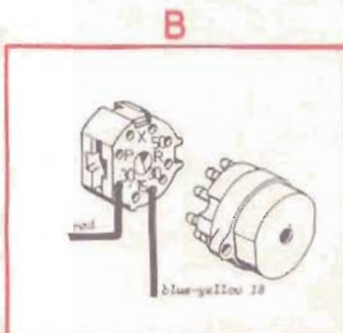
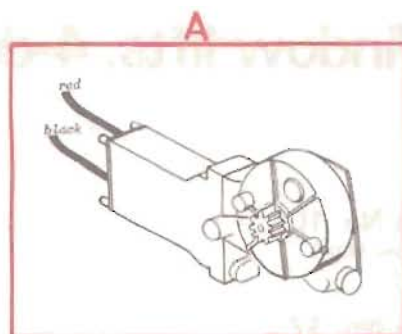


Opening right side window with switch on left side door



Closing right side window with switch on left side door





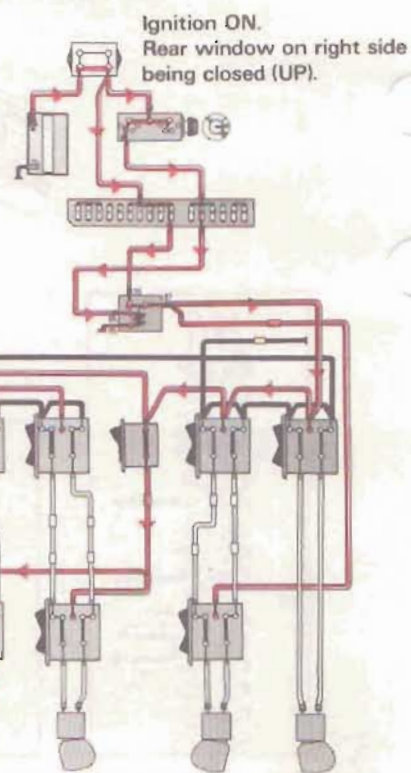
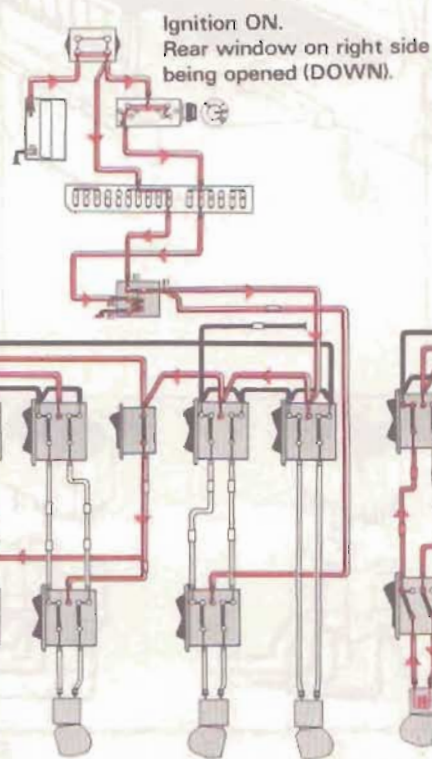
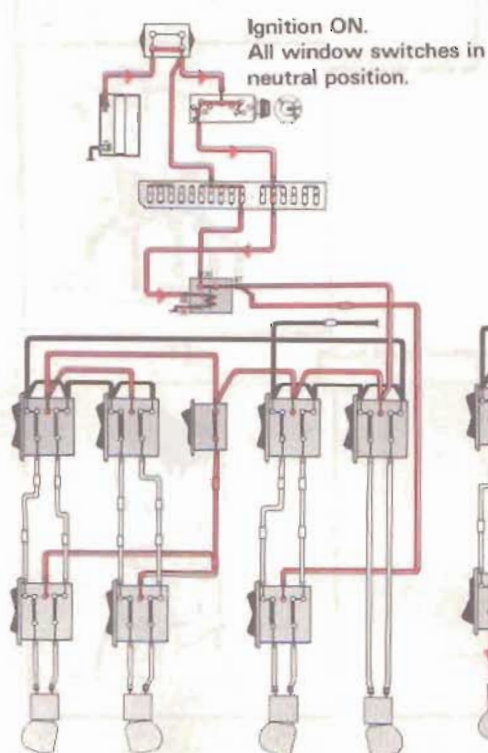
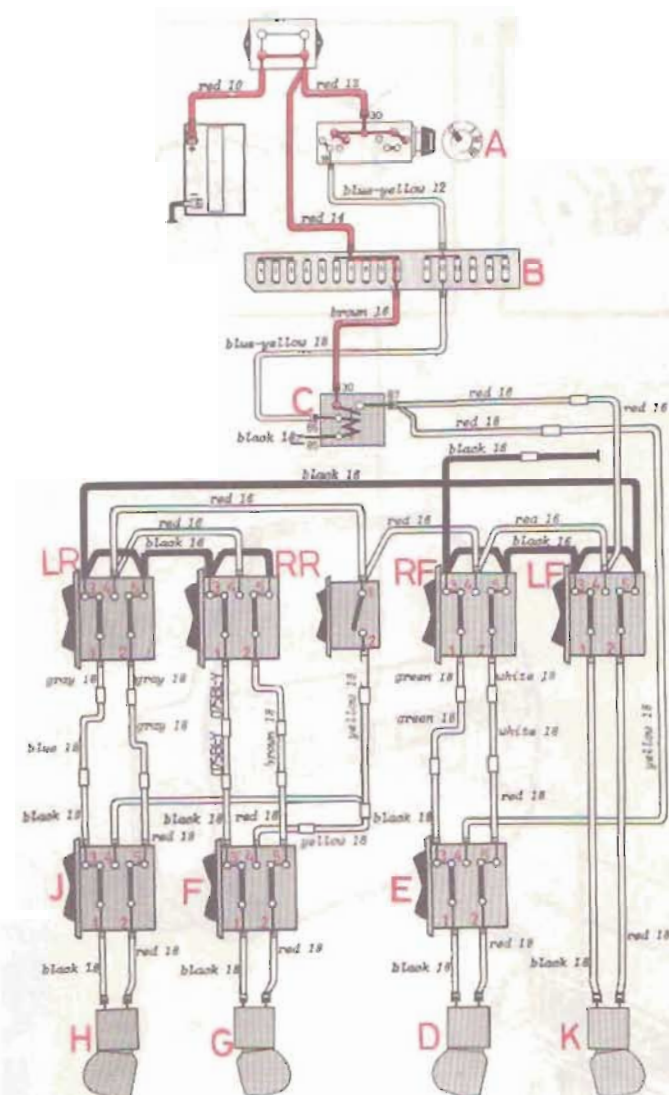
Window lifts, 4-door

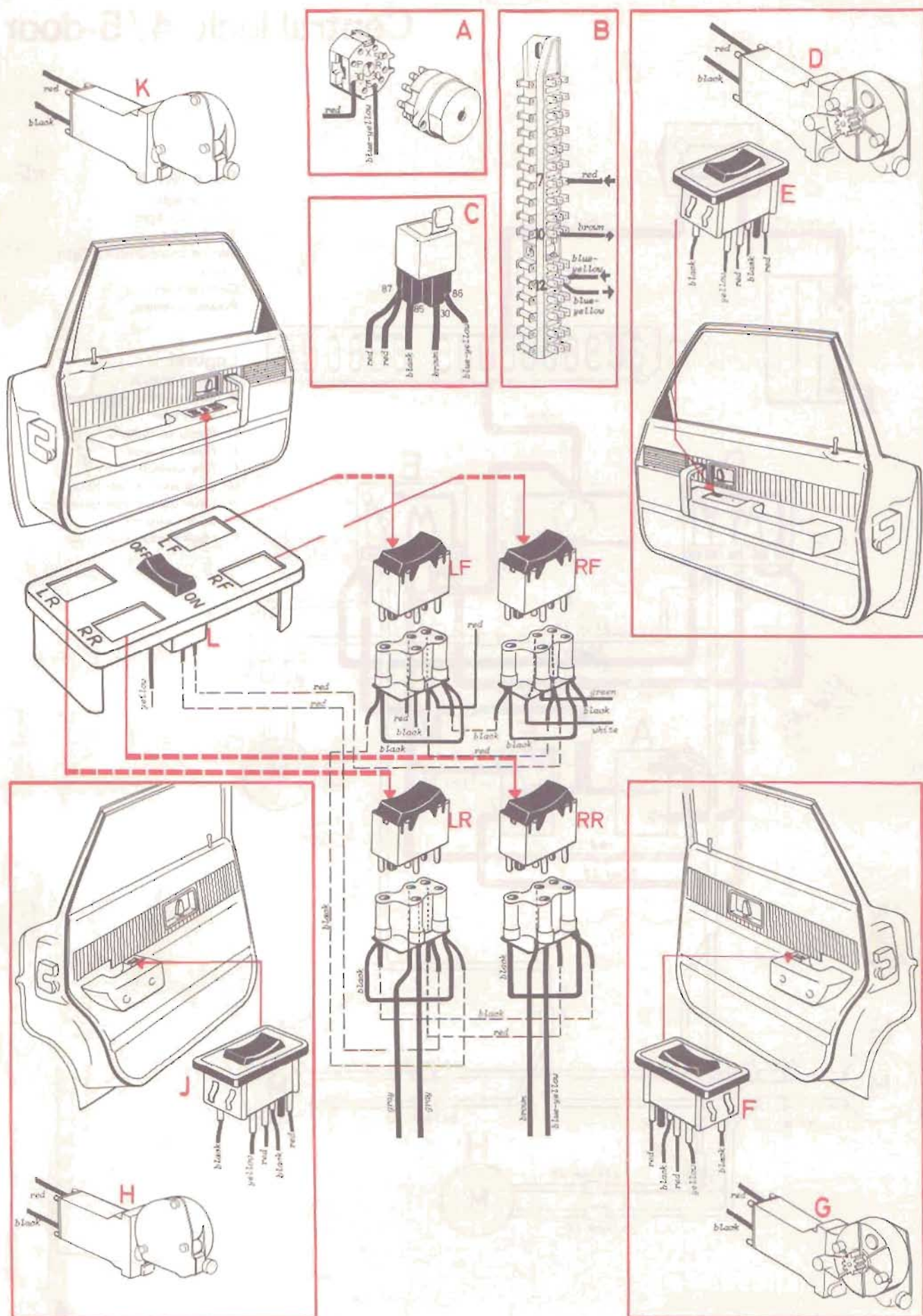
Fuse No. 10:
Window lifts

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

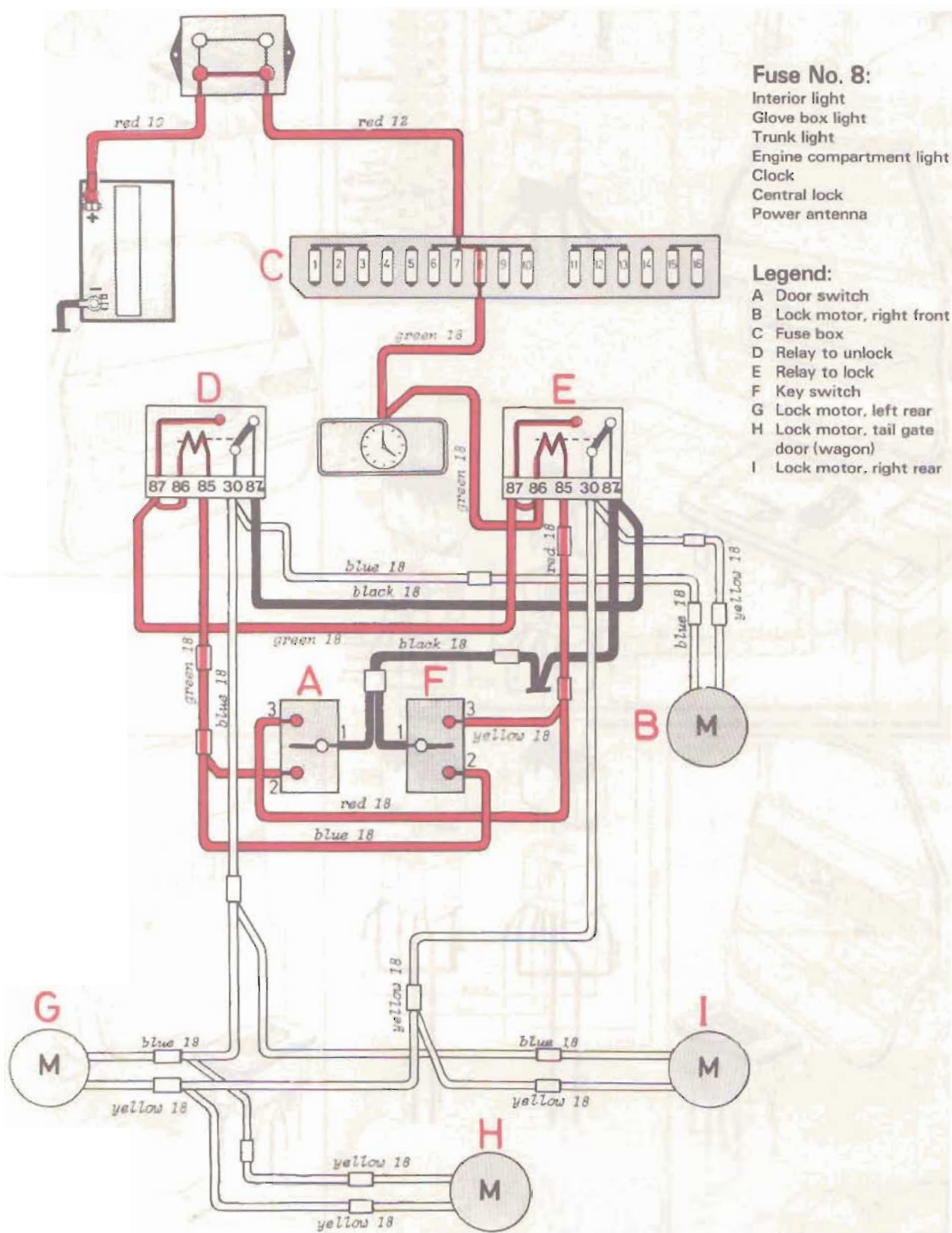
Legend:

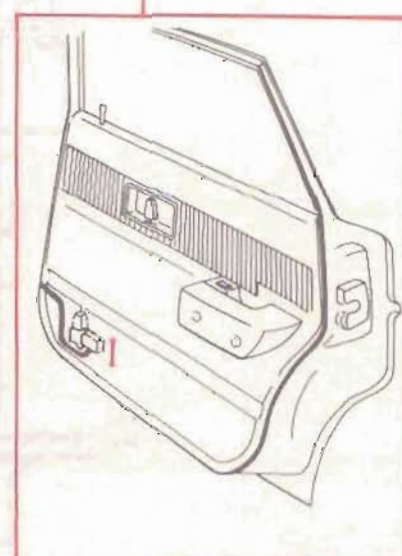
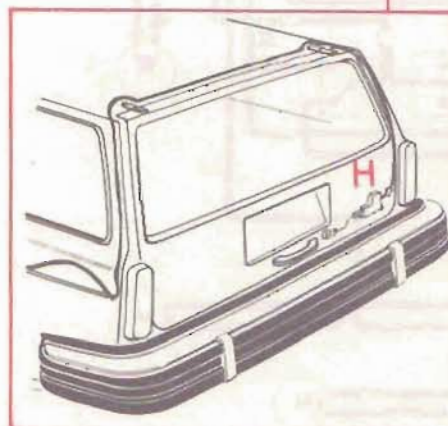
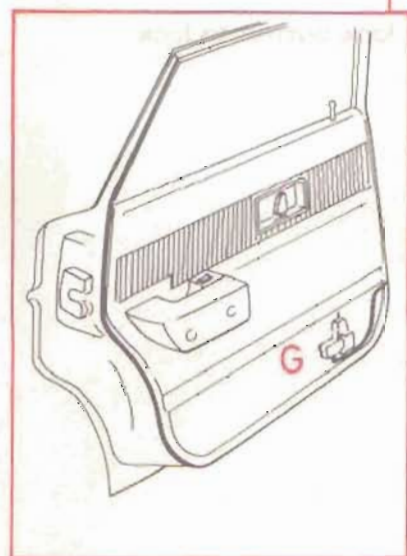
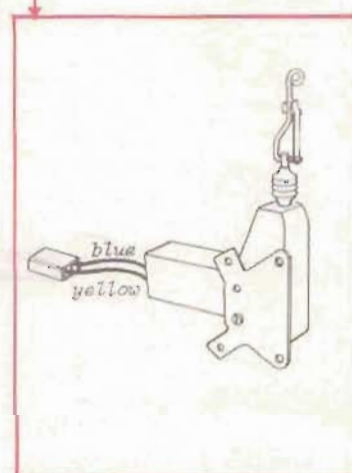
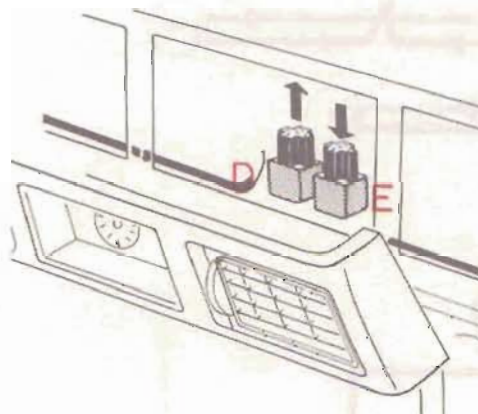
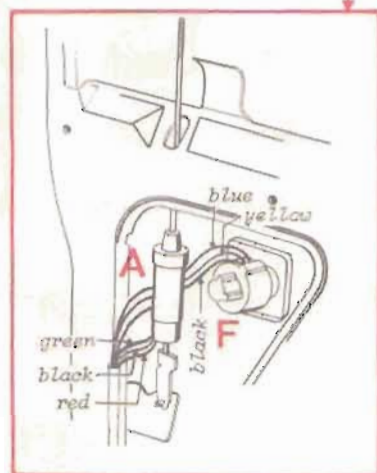
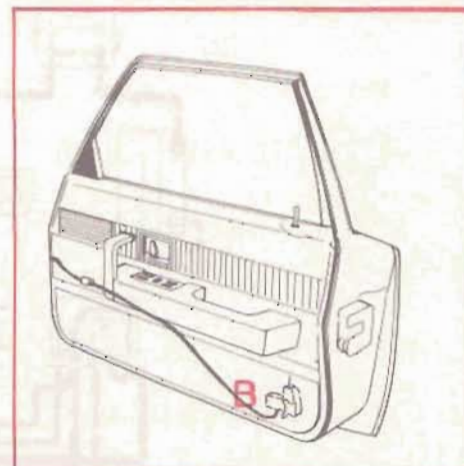
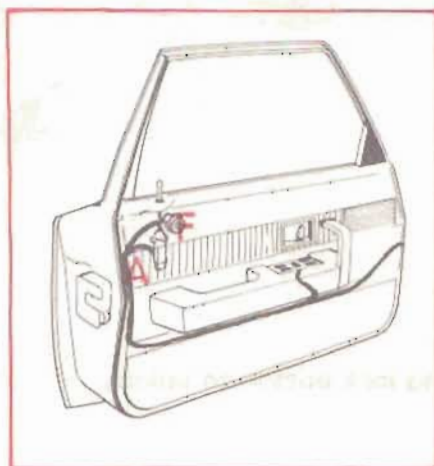
- A Ignition switch
- B Fuse box
- C Relay
- D Window lift motor, right front
- E Switch for right front window
- F Switch for right rear window
- G Window lift motor, right rear
- H Window lift motor, left rear
- J Switch for left rear window
- K Window lift motor, left front
- L Main switch for rear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

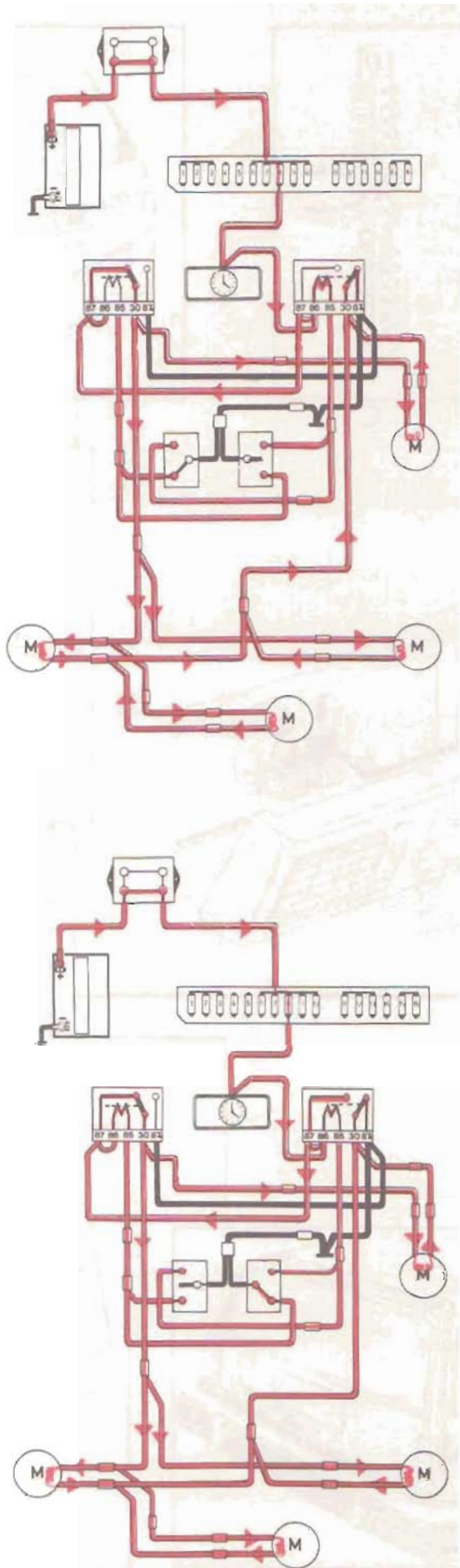




Central lock, 4/5-door

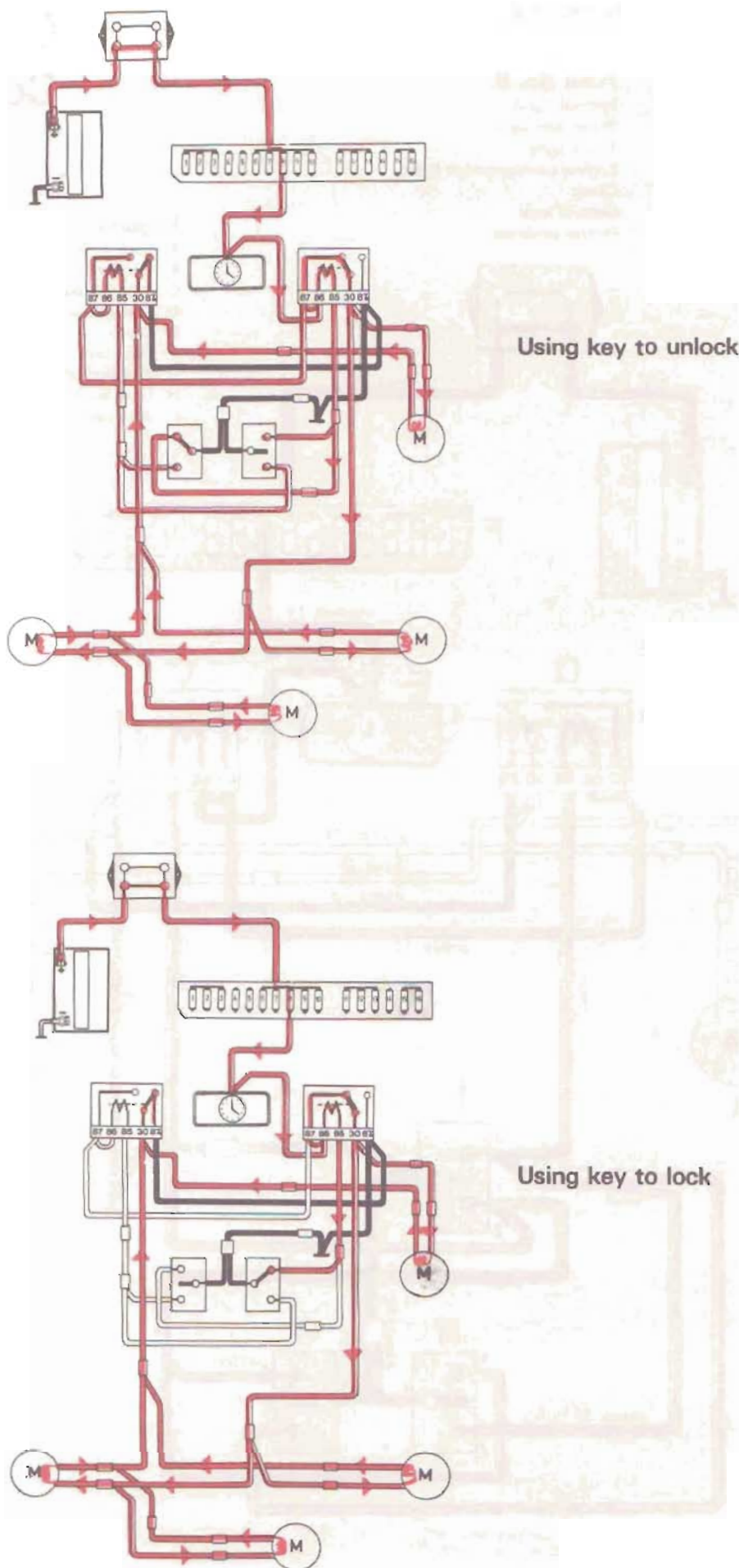






Using lock button to unlock

Using lock button to lock



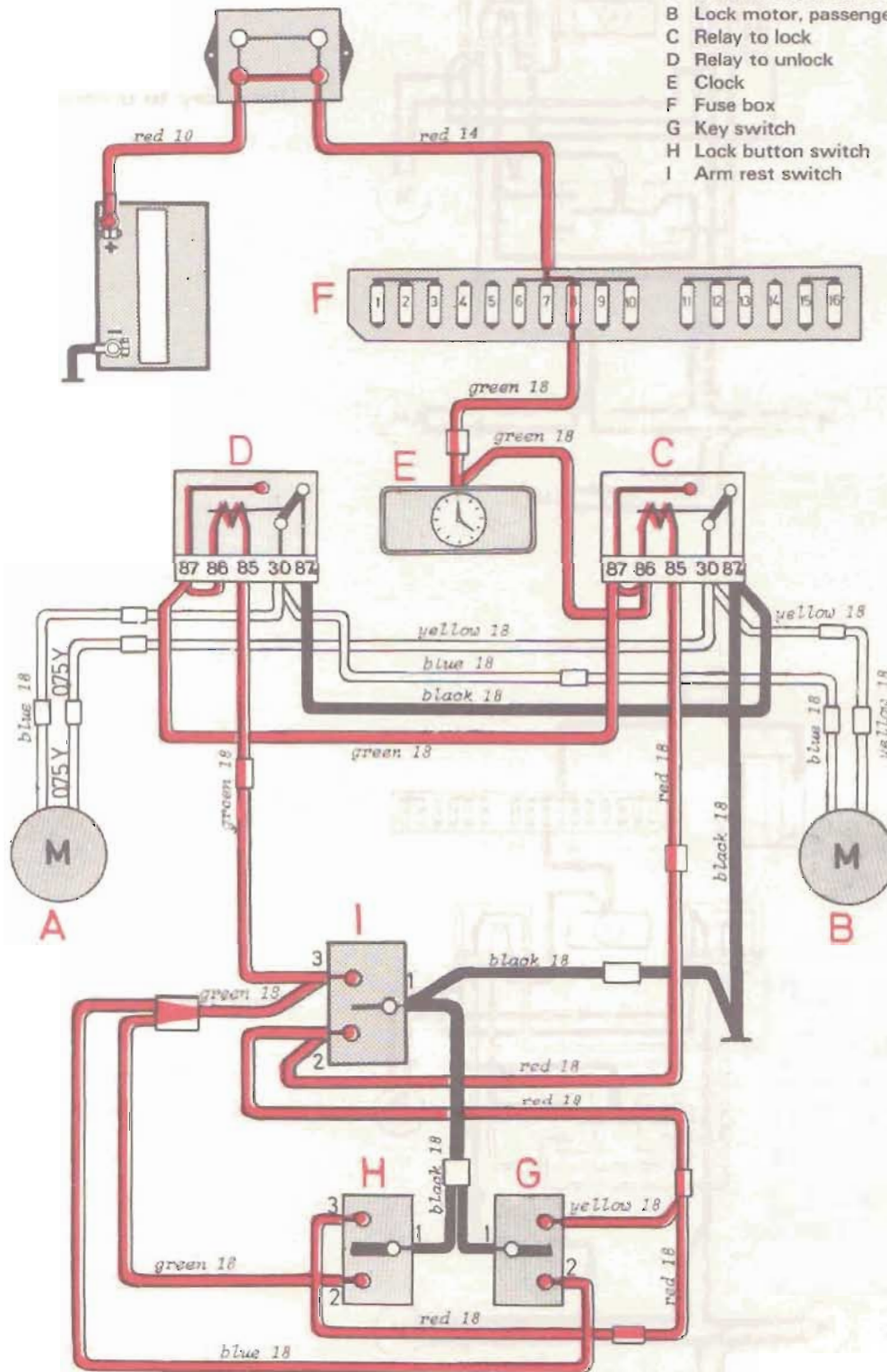
Central lock, Coupe

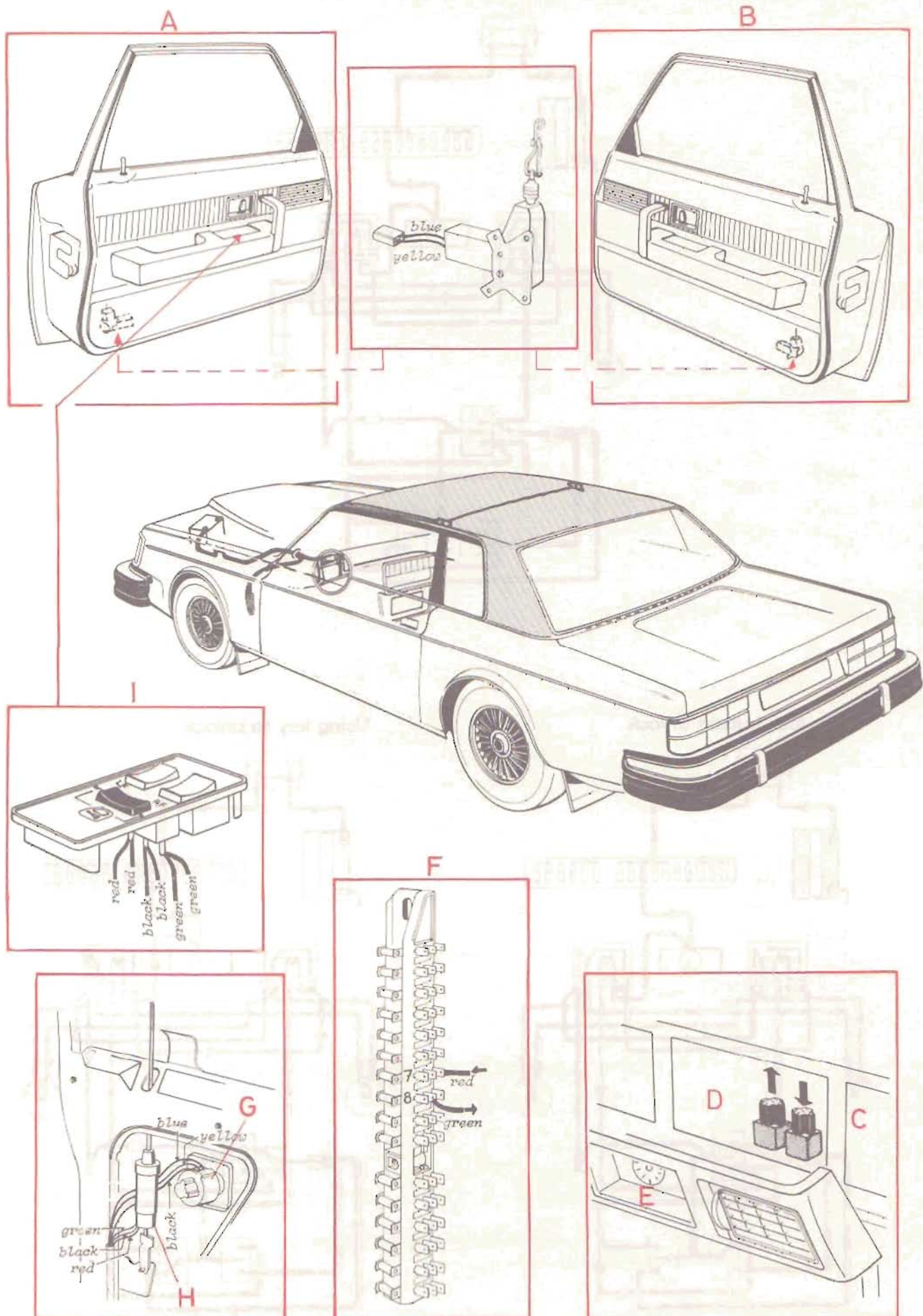
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock
Central lock
Power antenna

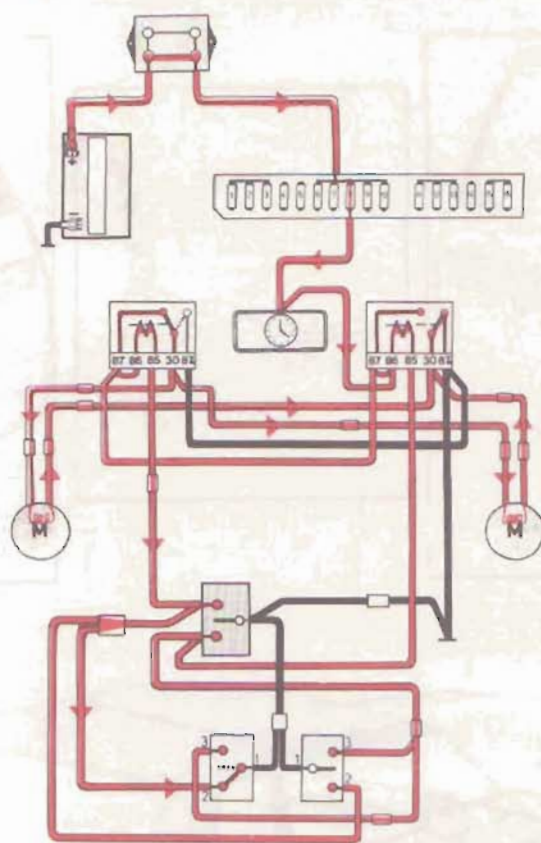
Legend:

- 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

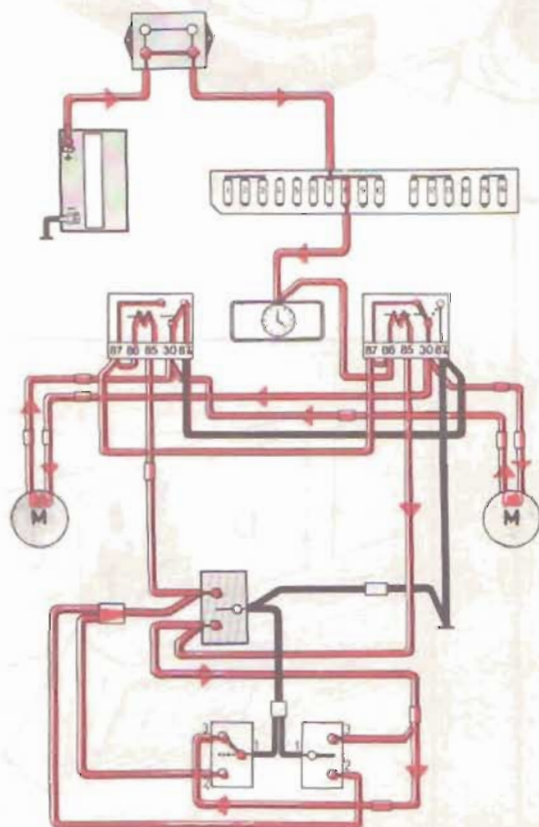




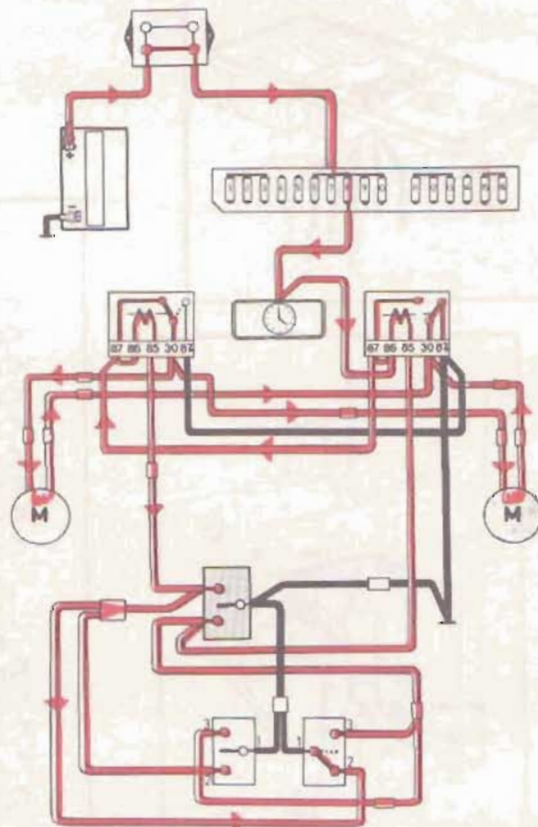
Using lock button to unlock



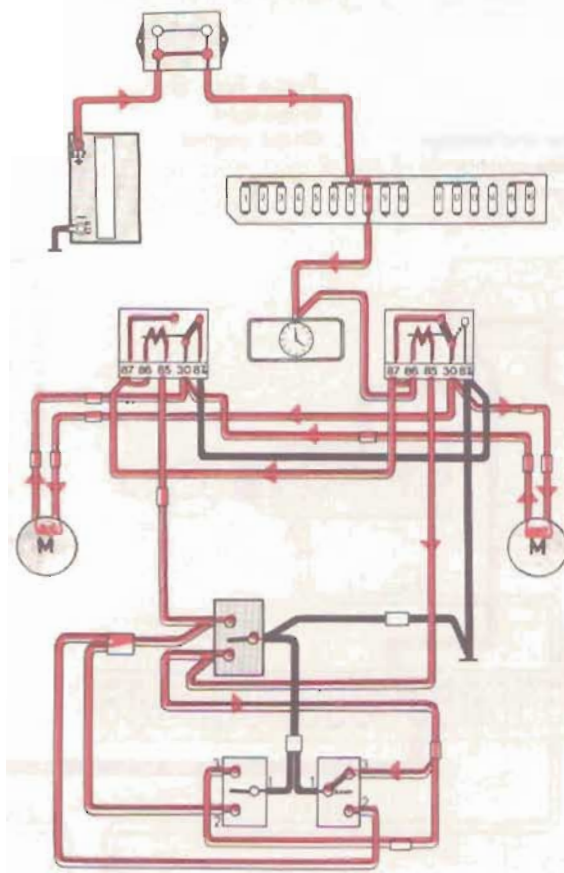
Using lock button to lock



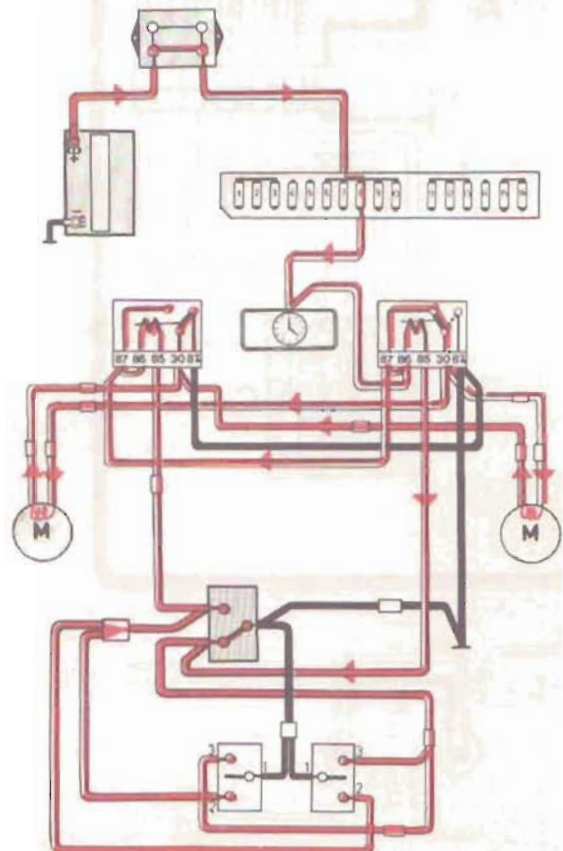
Using key to unlock



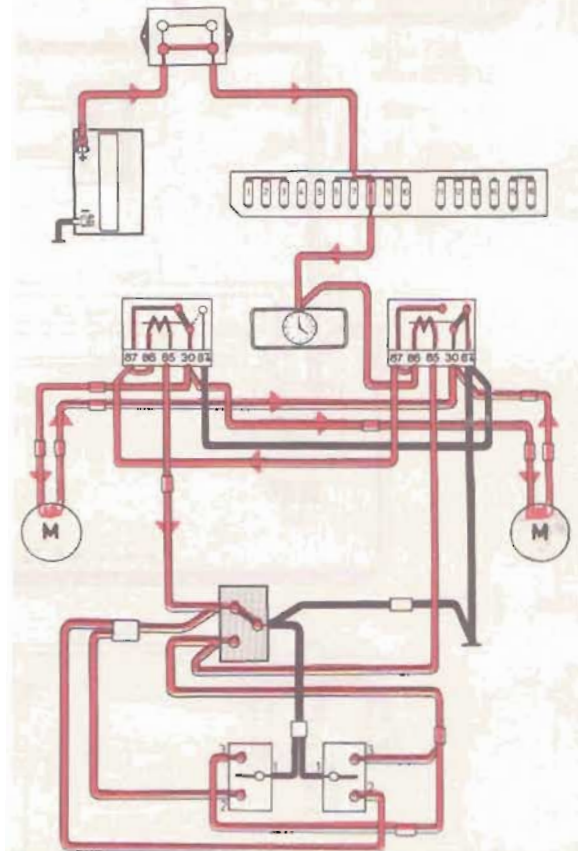
Using key to lock



Using arm rest switch to lock



Using arm rest switch to unlock



Cruise control

Fuse No. 1:

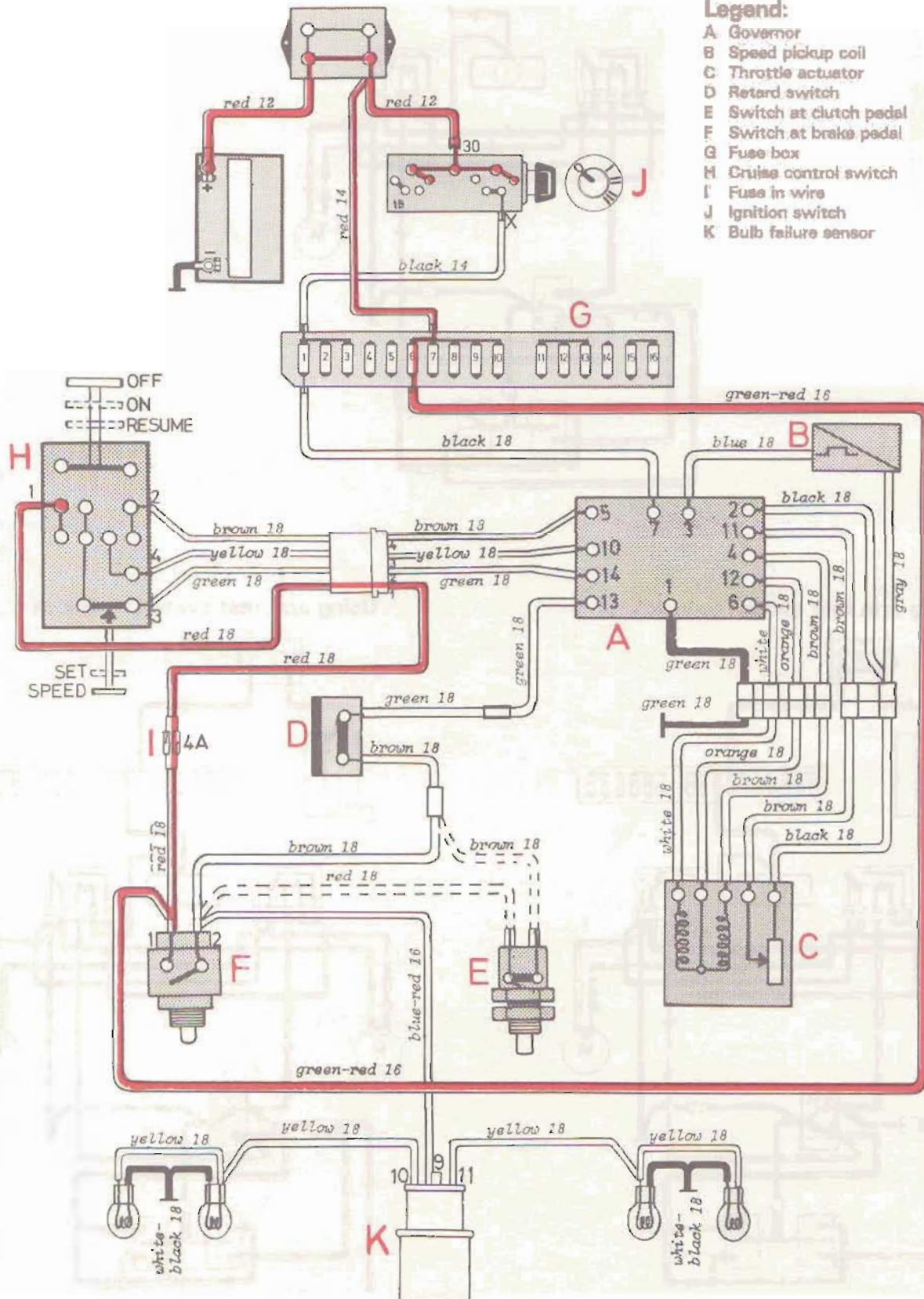
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)
Cruise control

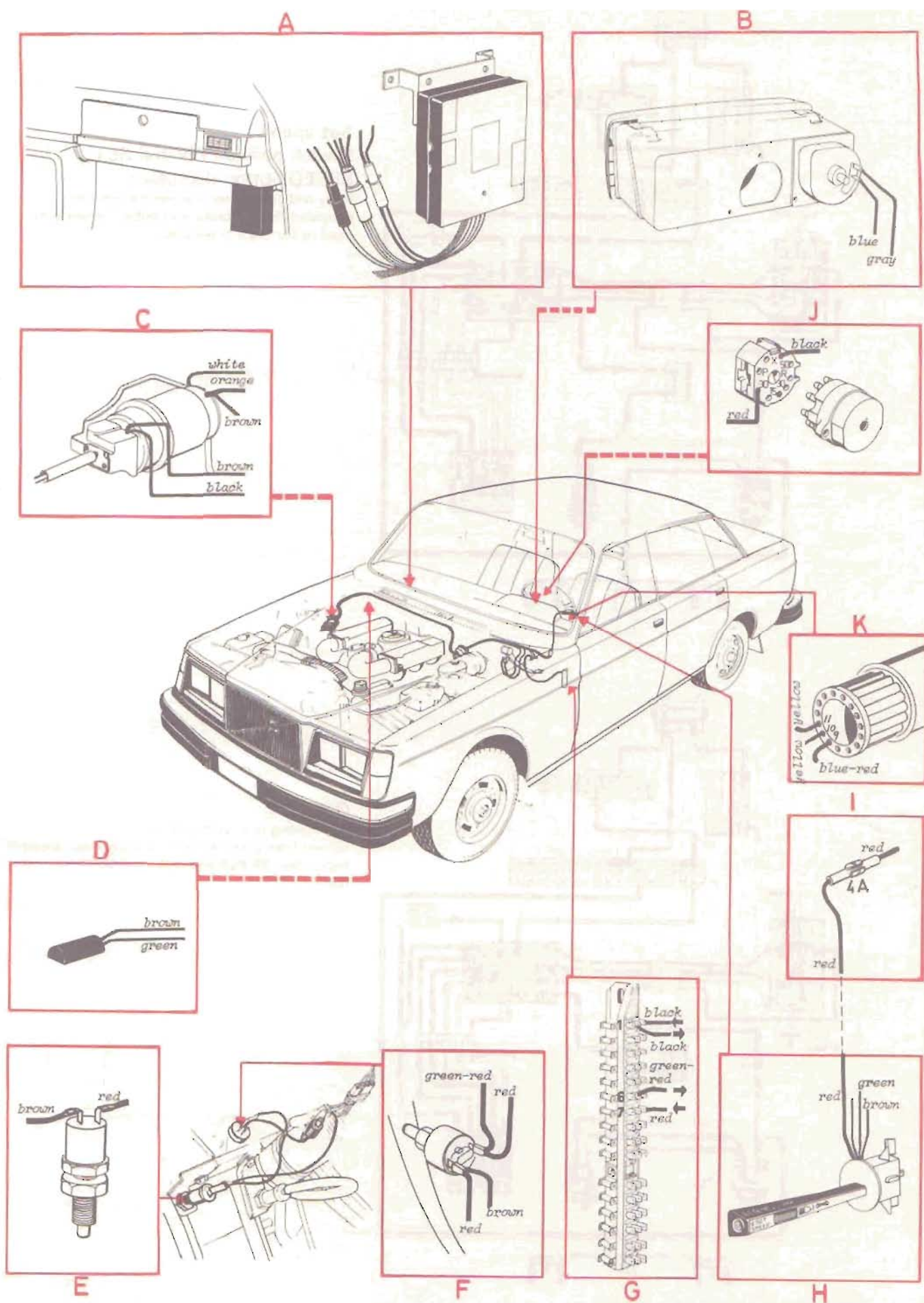
Fuse No. 6:

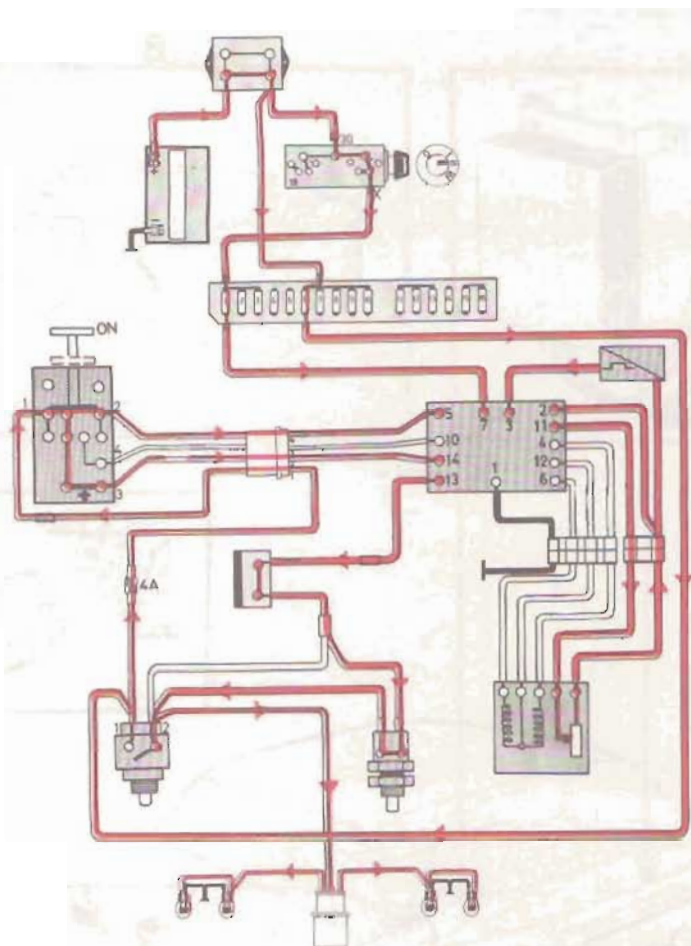
Brake light
Cruise control

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



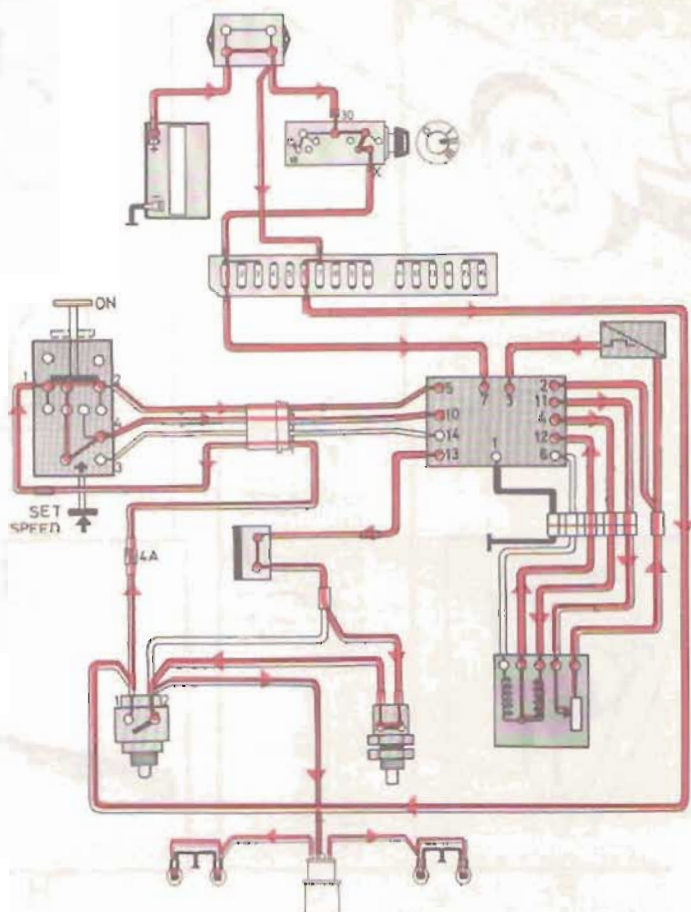




Set speed

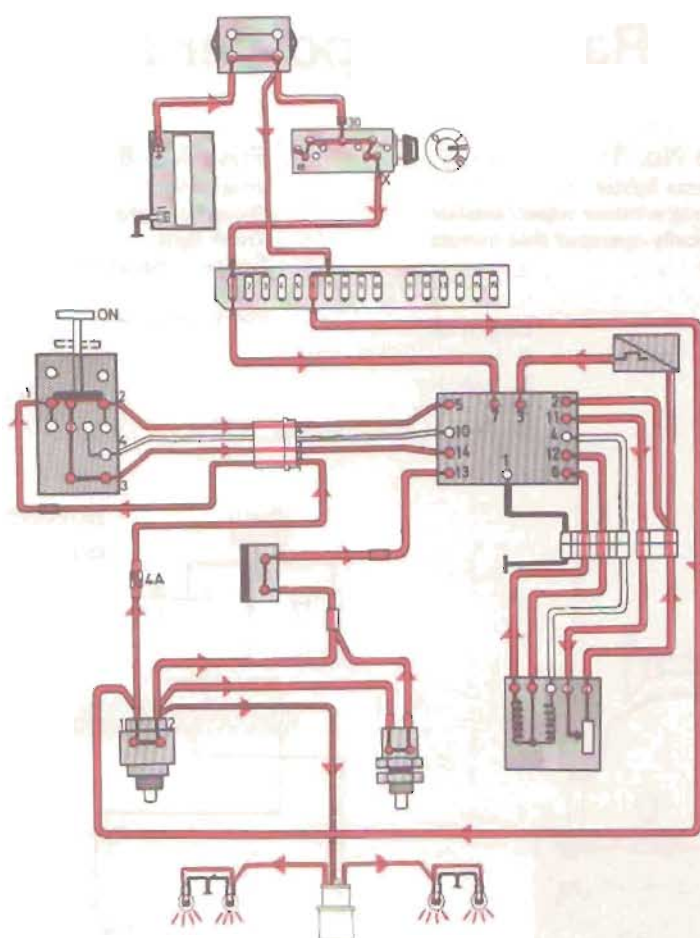
Switch position ON and SET SPEED button depressed.

Relay and vacuum valve in throttle actuator grounded through brake light bulbs. Current is too small to illuminate brake lights.



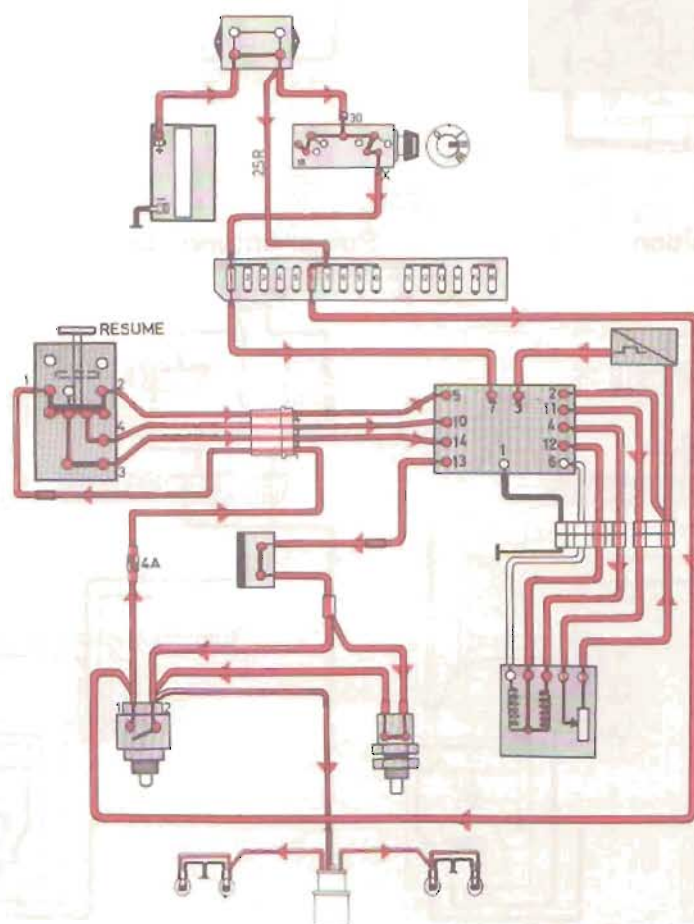
ON

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

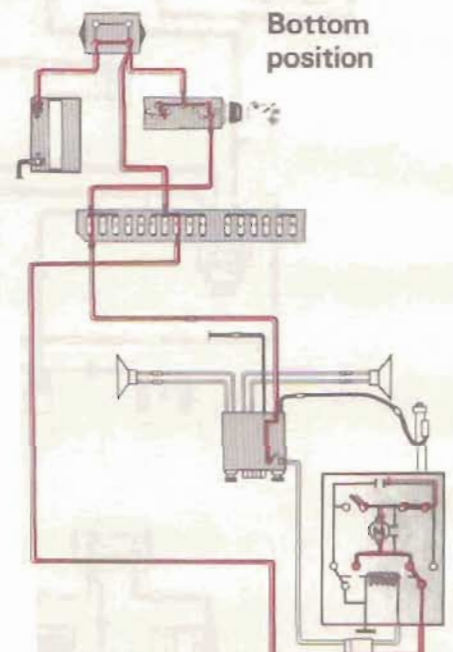
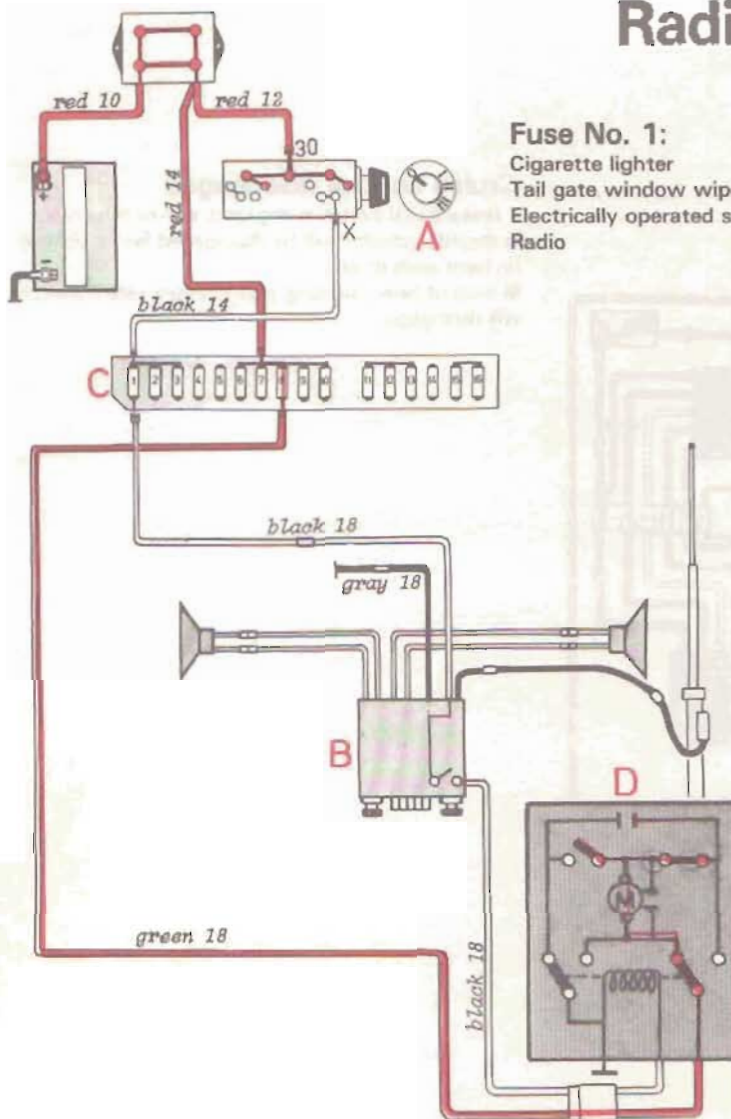
Switch to Resume engages memory and previous setting.

Radio and power antenna

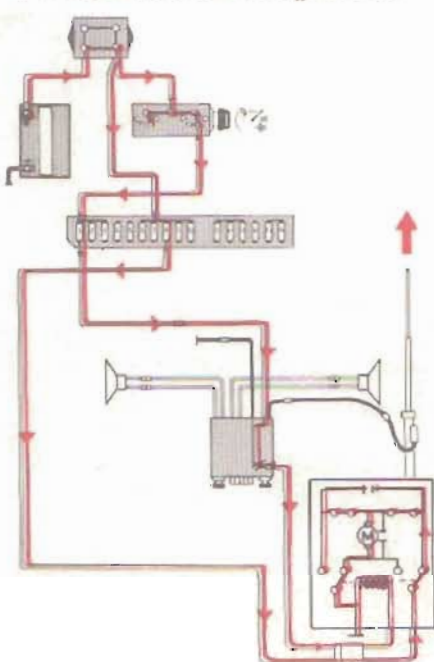
Fuse No. 1:
Cigarette lighter
Tail gate window wiper/washer
Electrically operated side mirrors
Radio

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

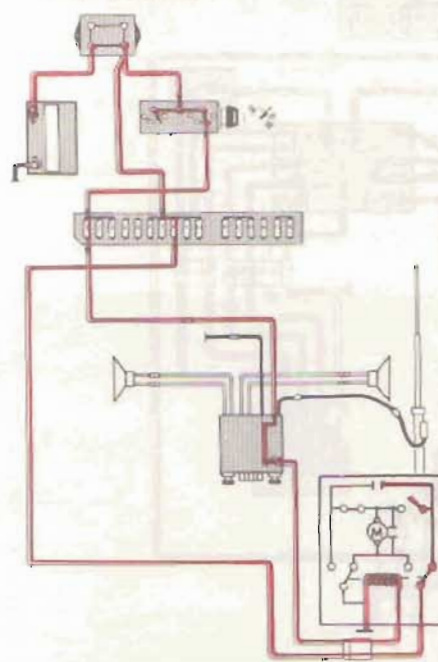
Legend:
A Ignition switch
B Switch
C Fuse box
D Motor, power antenna



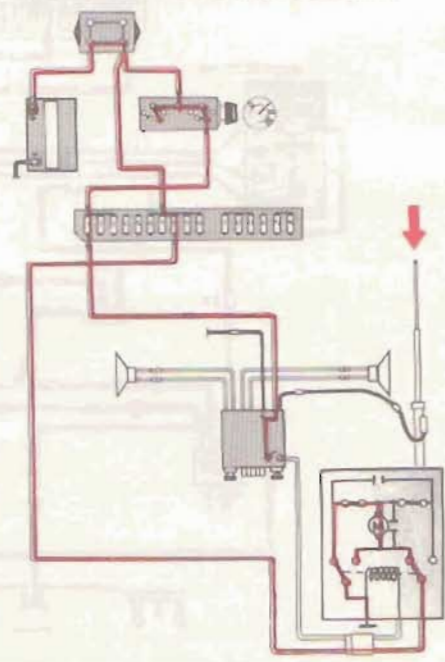
Power antenna being raised

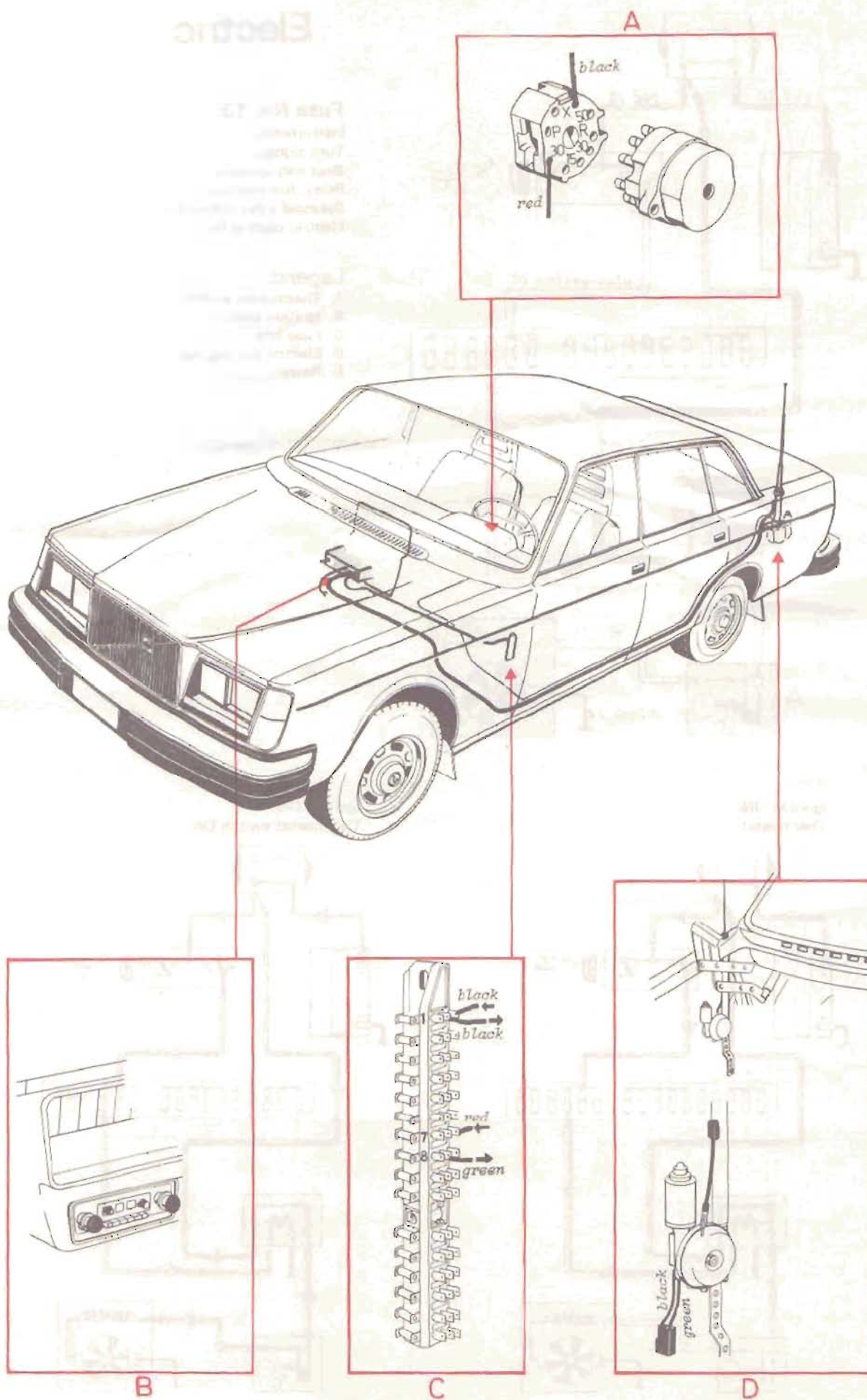


Top position

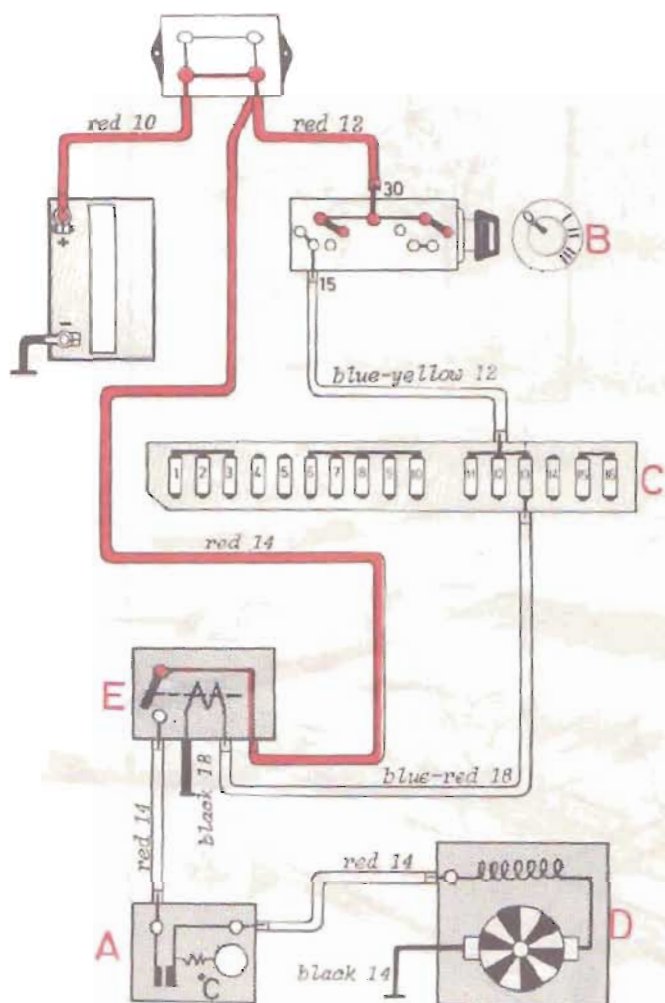


Power antenna being lowered





Electric cooling fan



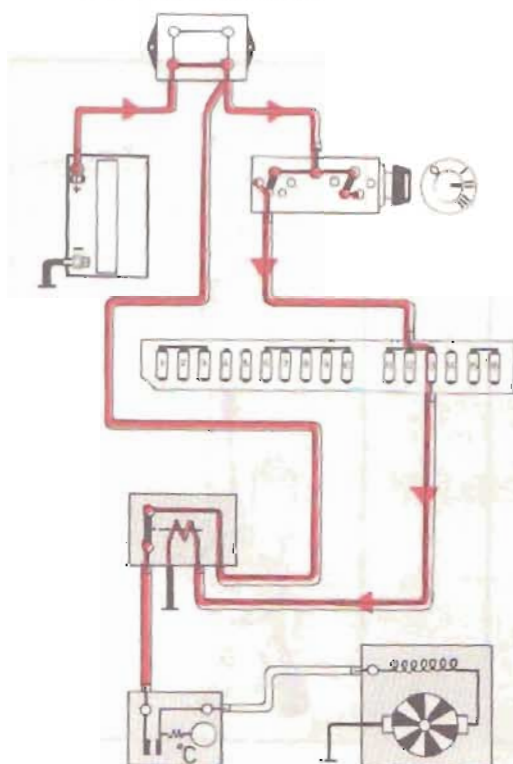
Fuse No. 13:

Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve (carburetor)
Electric cooling fan

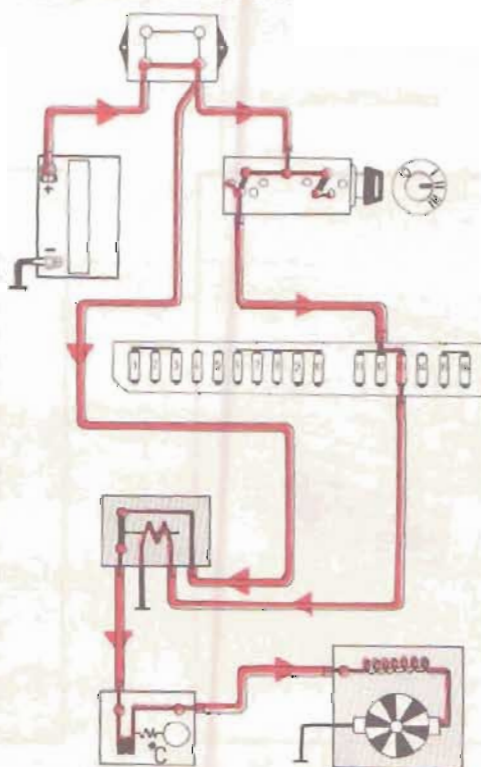
Legend:

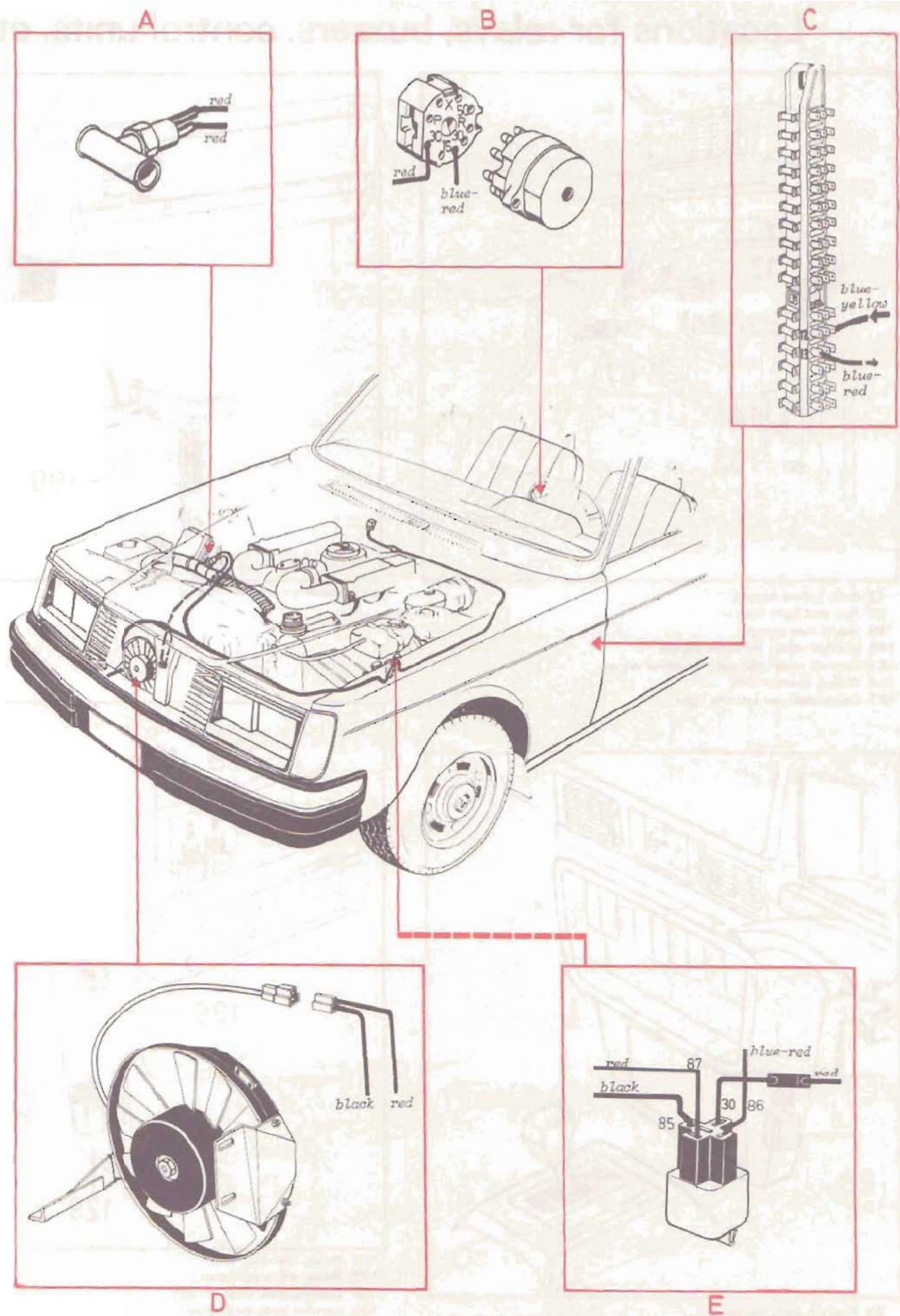
A Thermostat switch
B Ignition switch
C Fuse box
D Electric cooling fan
E Relay

Ignition ON.
Thermostat switch OFF.

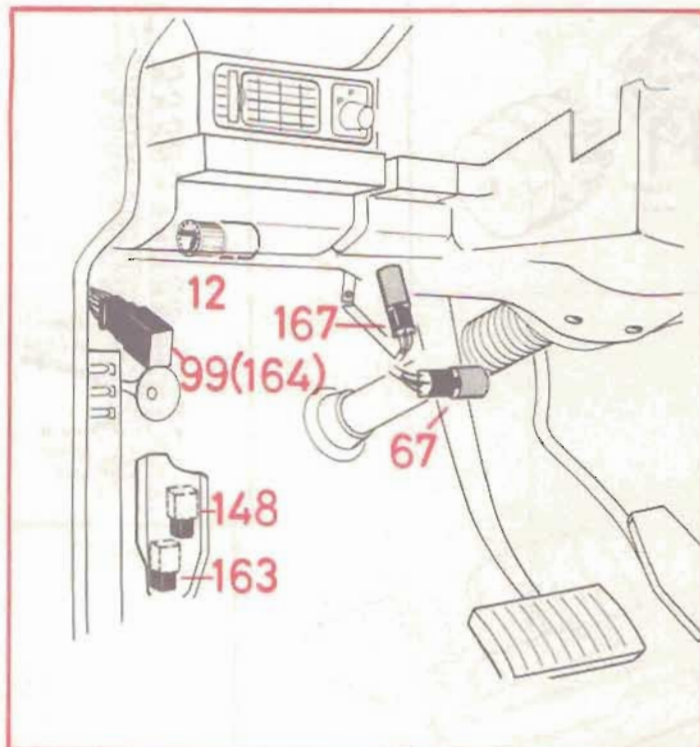


Ignition ON.
Thermostat switch ON.

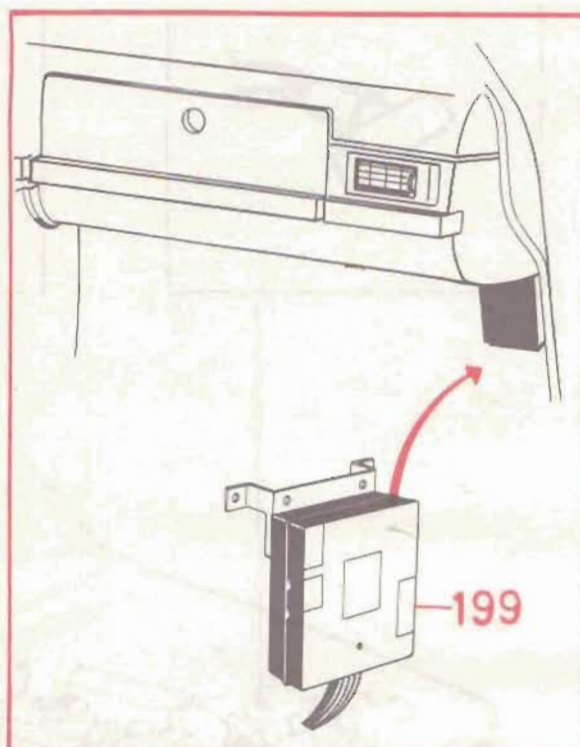




Locations for relays, buzzers, control units, etc



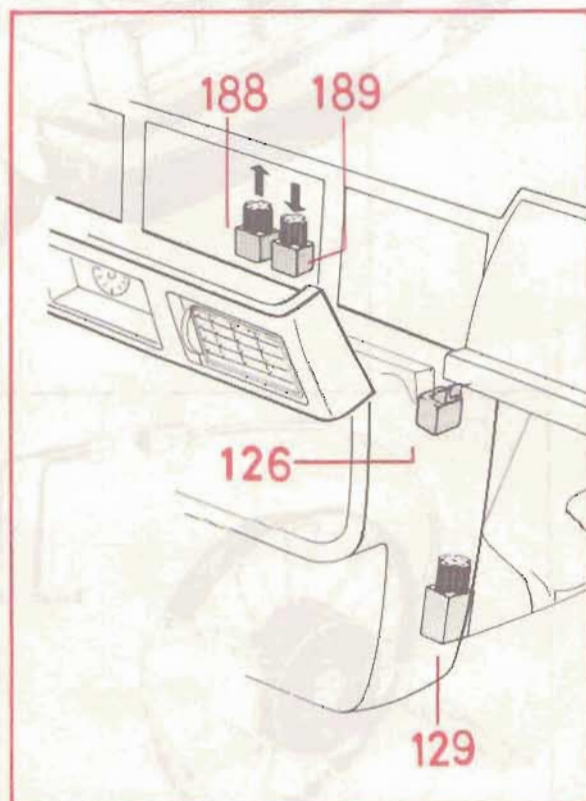
- 12 Bulb failure sensor
- 67 Key and light buzzer
- 99 Relay, fuel pump
- 148 Interval relay, window wipers
- 163 Interval relay, tail gate window wiper
- 164 Diesel, control unit
- 167 Relay, delayed interior light



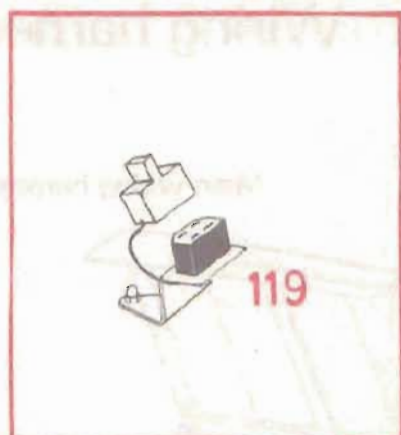
199 Governor, cruise control



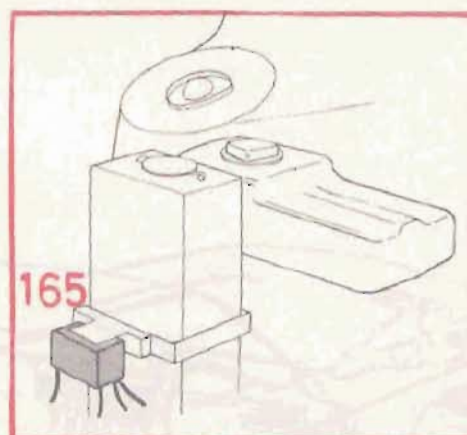
28 Flasher, turn signals



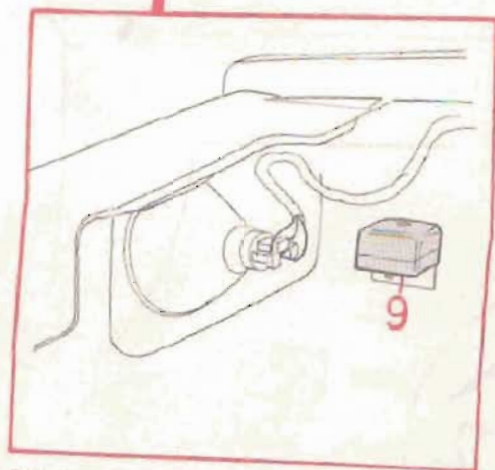
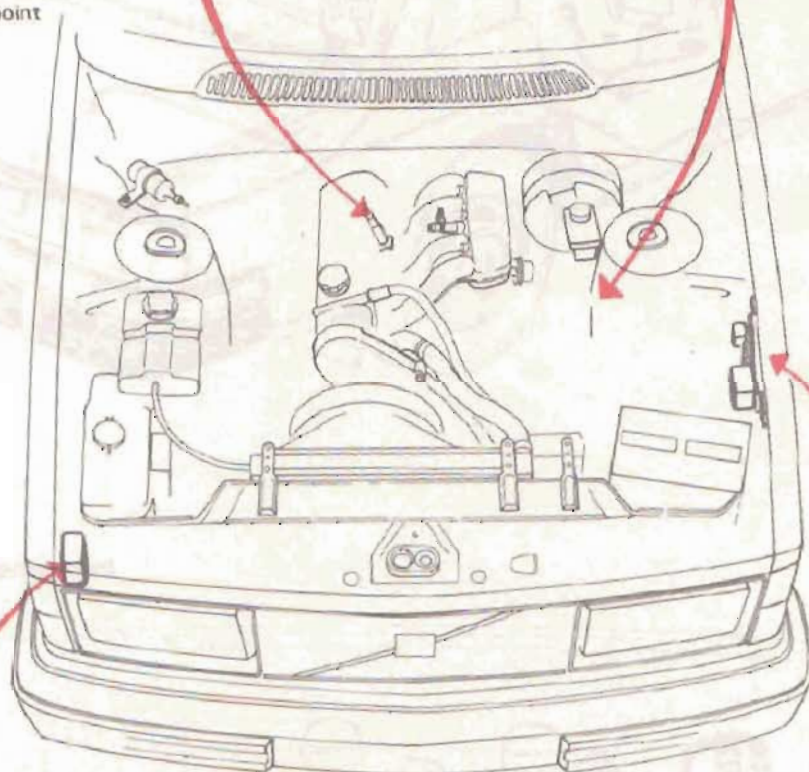
- 126 Relay, window lifts
- 129 Relay, air conditioning
- 188 Central lock, unlock relay
- 189 Central lock, lock relay



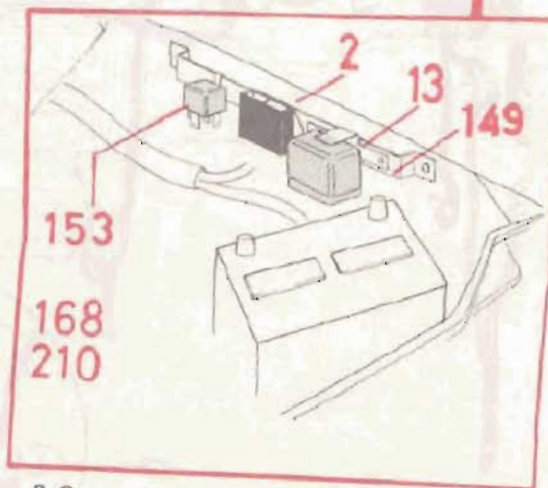
119 Test instrument pick-up point



165 Diesel glow plug relay



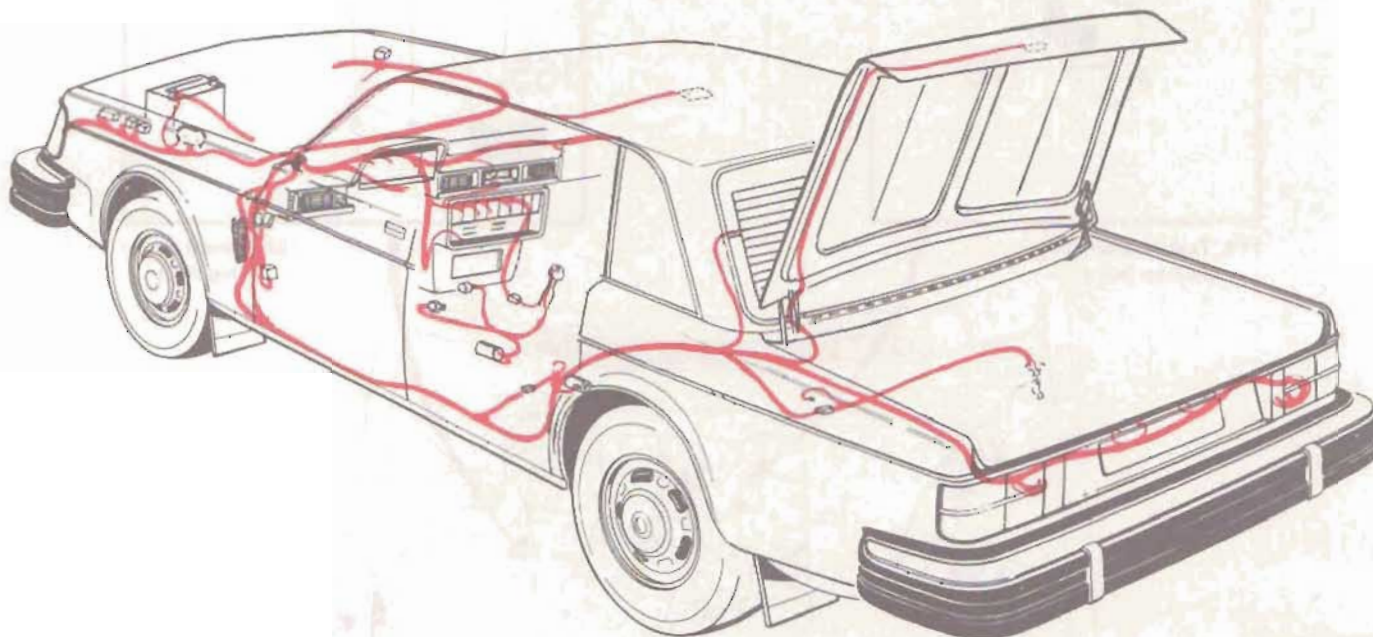
9 Voltage regulator



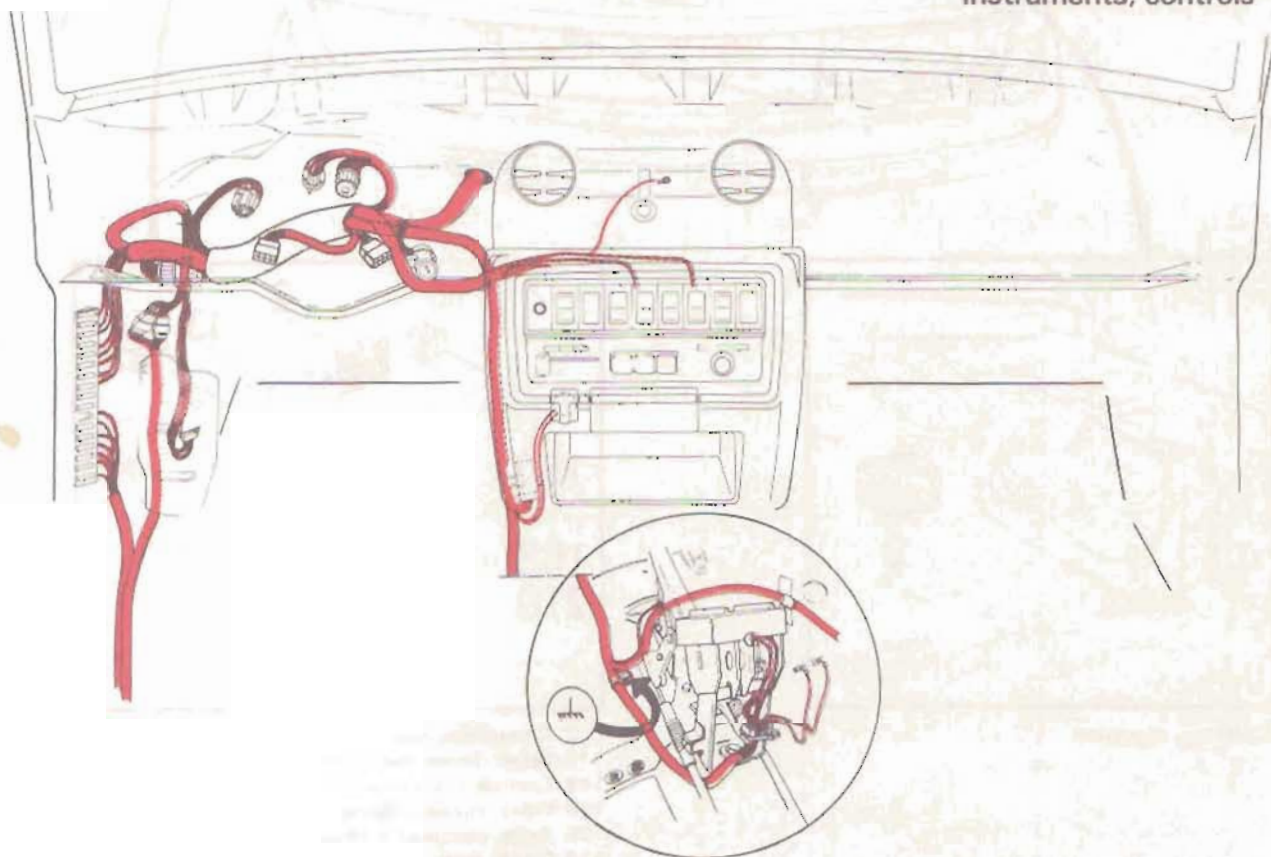
- 2 Connection box
- 13 Upper/lower beam switch relay
- 149 Lambda system test pick-up point
- 153 Relay, auxiliary lights
- 168 Relay, electrical cooling fan
- 210 Diesel, relay, control unit

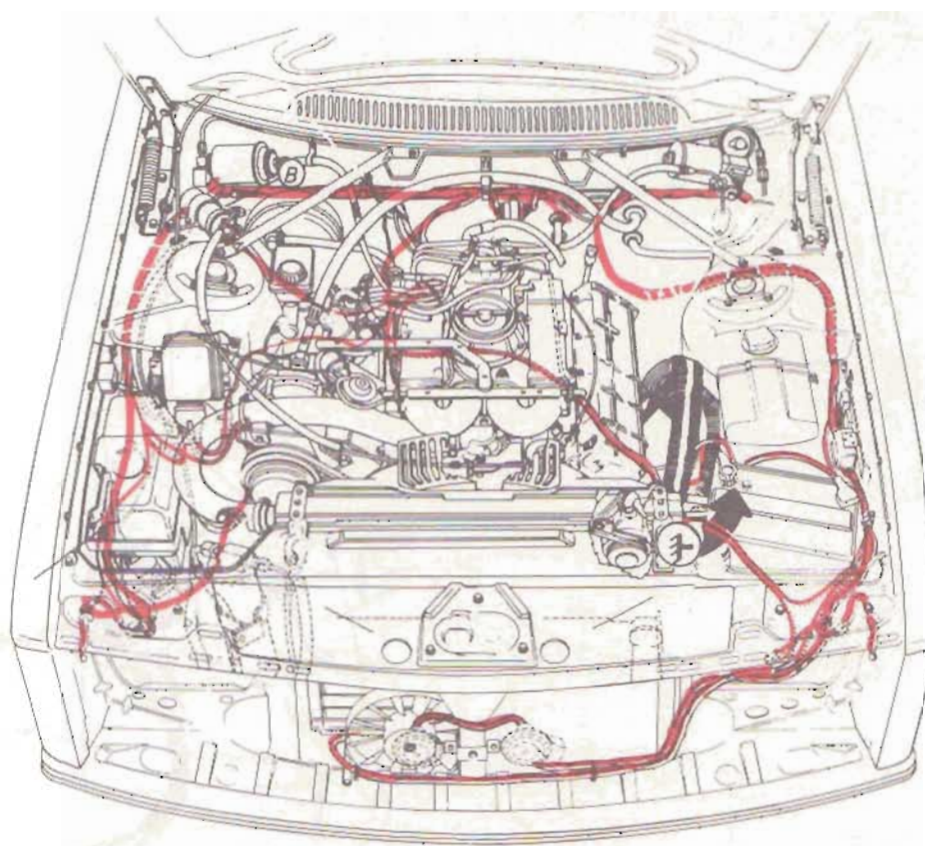
Wiring harnesses

Main wiring harness

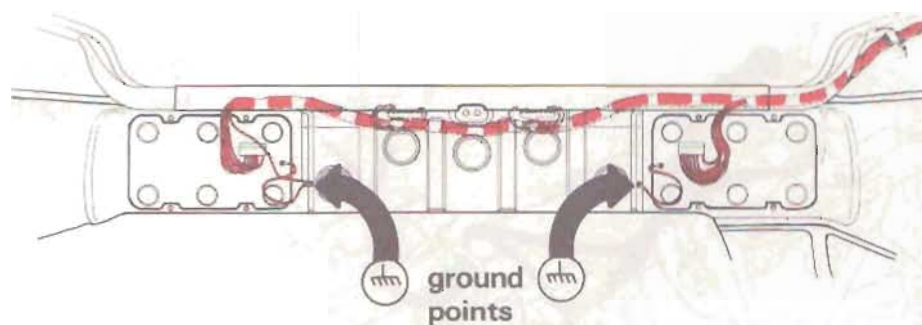


Instruments, controls

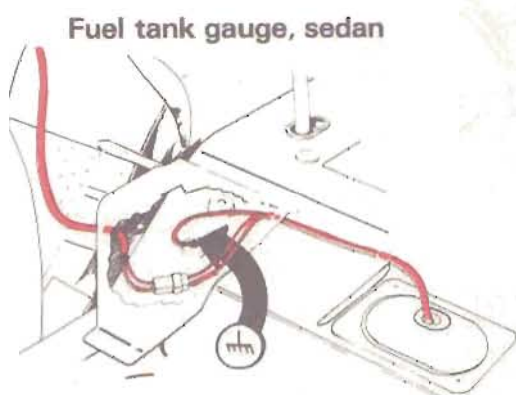




Engine compartment



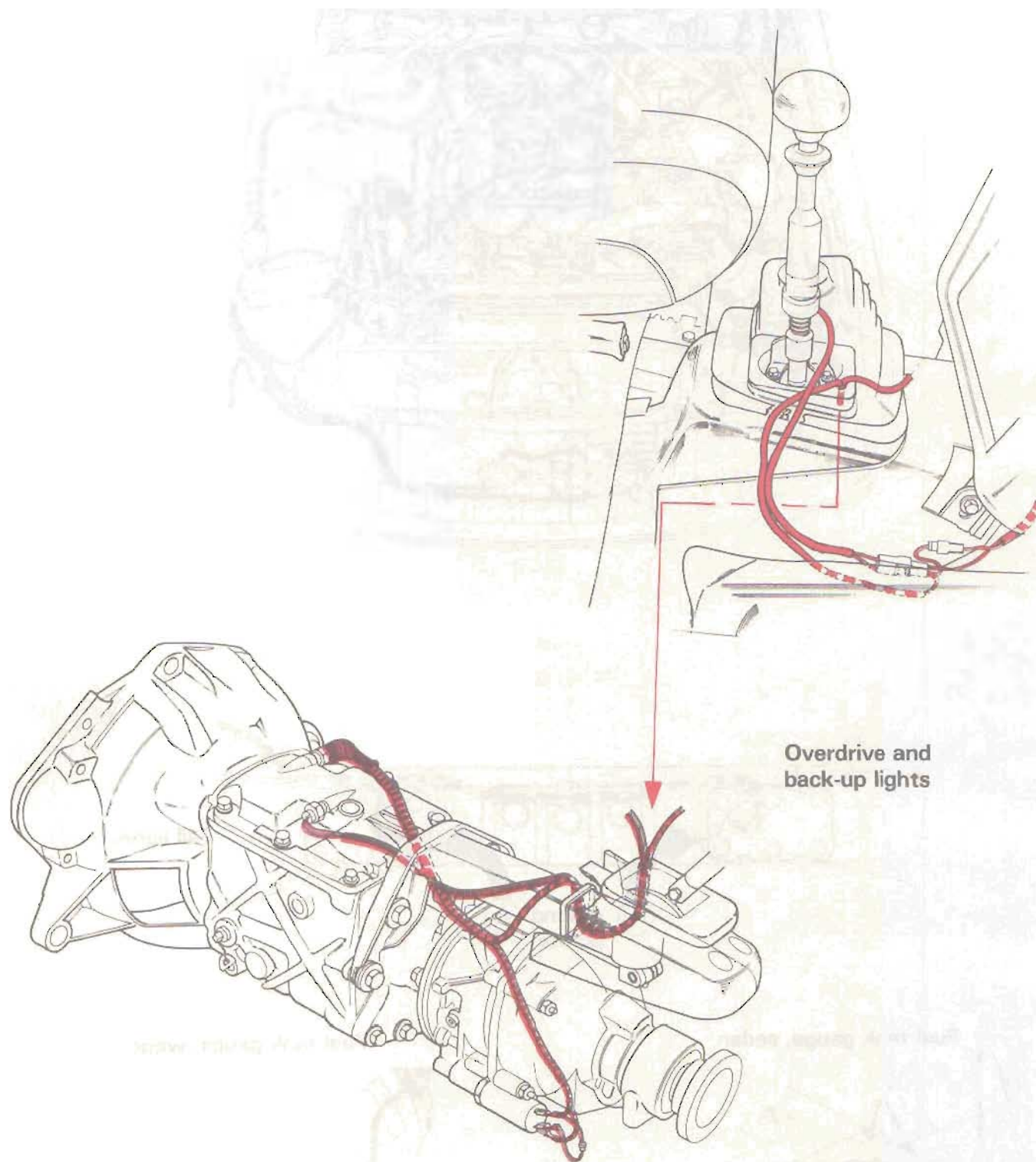
Tail lights

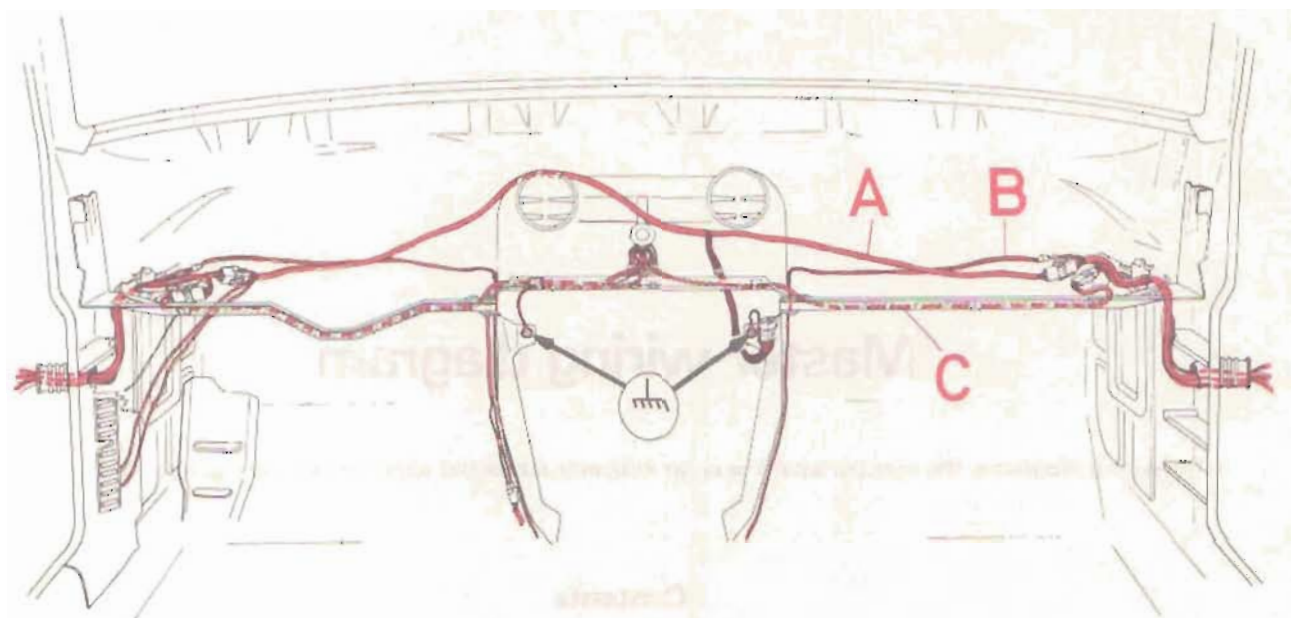


Fuel tank gauge, sedan

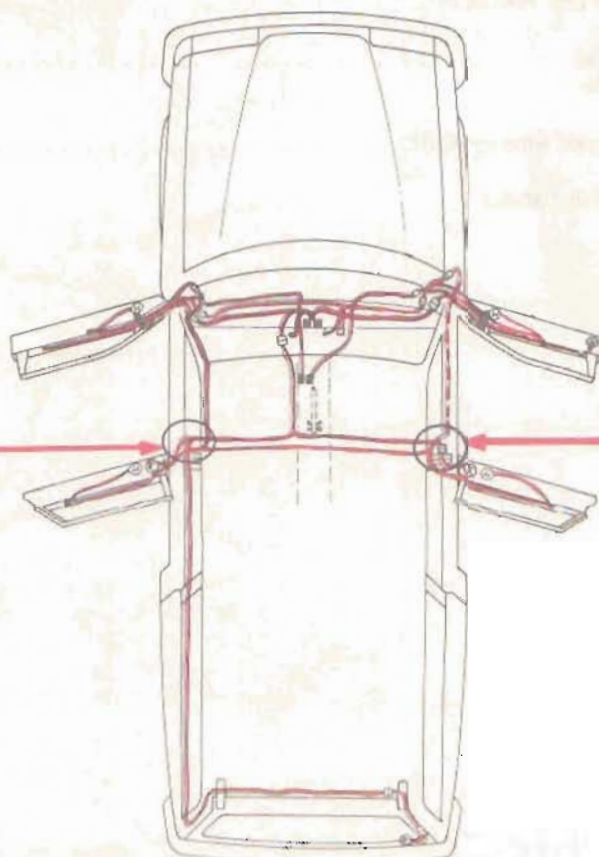
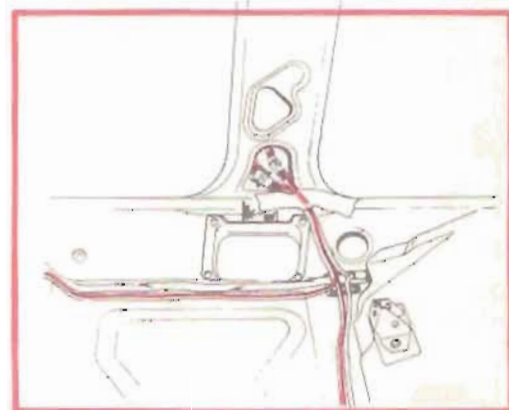
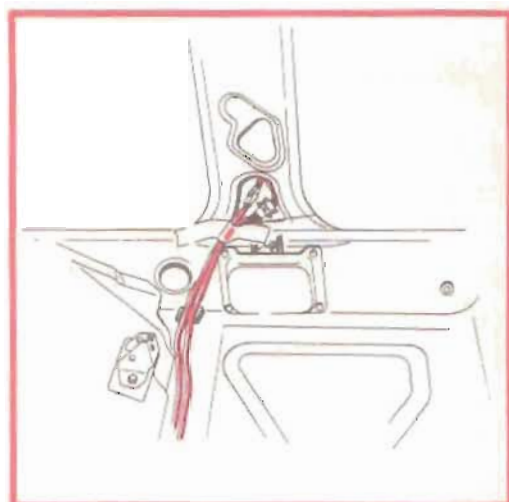


Fuel tank gauge, wagon





- 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.

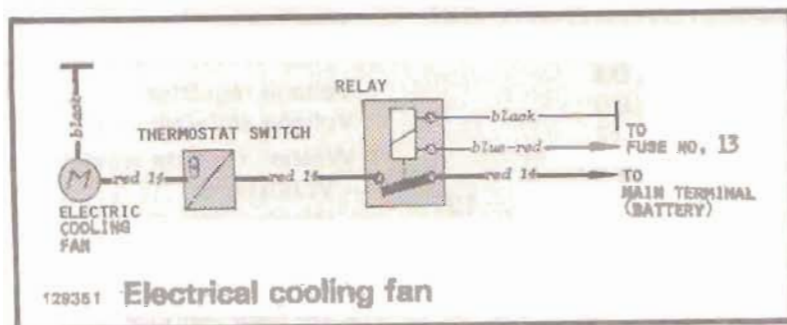
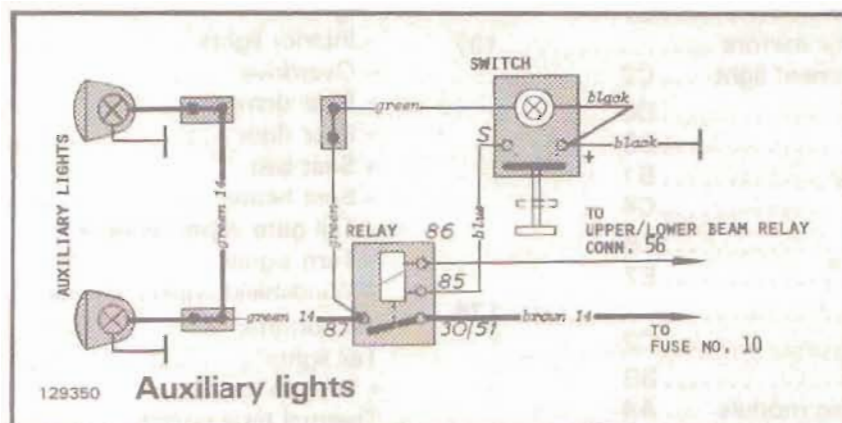
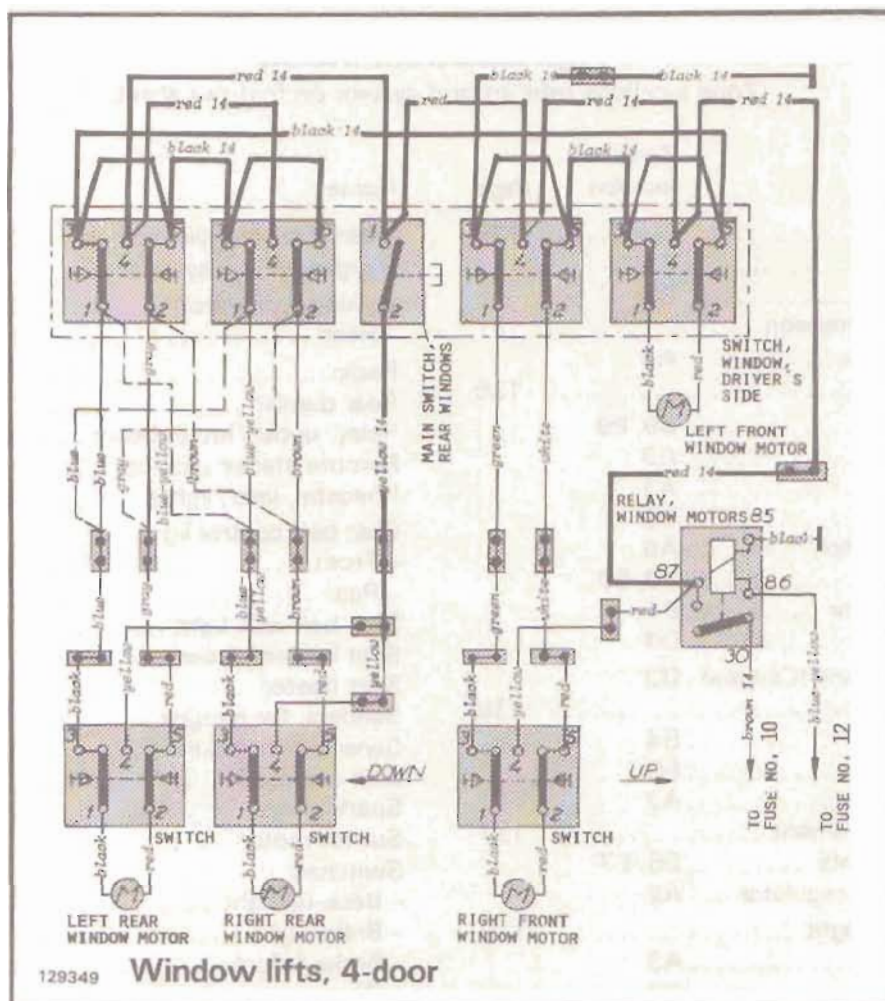
Contents

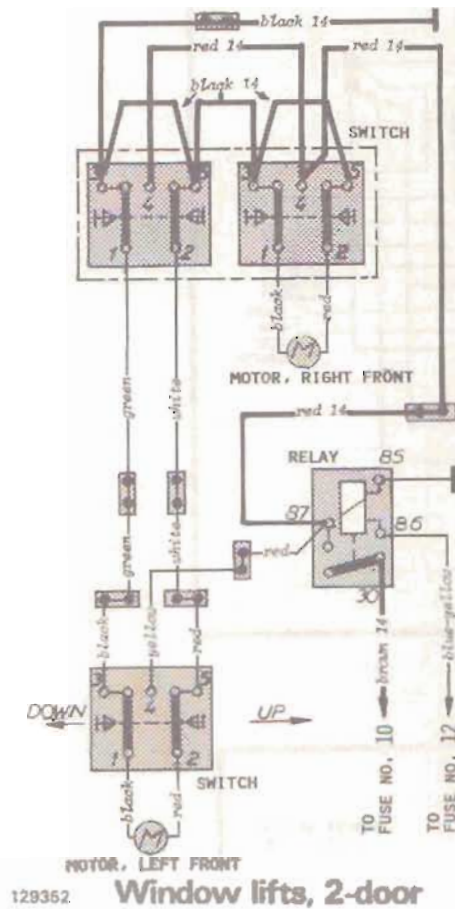
Window lifts, 4-door	Page 136
Auxiliary lights	
Electrical cooling fan	
Window lifts, 2-door	137
Automatic transmission	
Lambda system	
Instrument connectors	
Electrically operated door mirrors	
Central lock	138
Air conditioning, heater	
Seat belt reminder	
Coupe	139
Radio	
Delayed interior light	140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

Alphabetical index

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

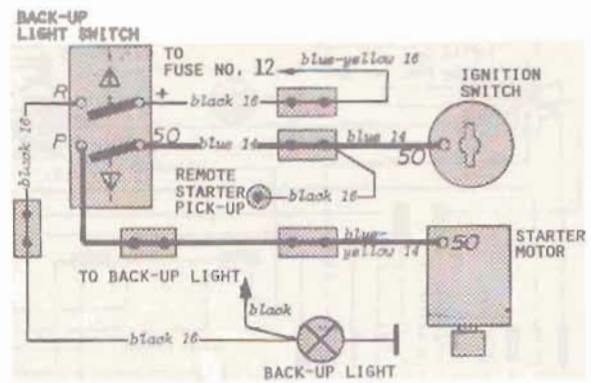
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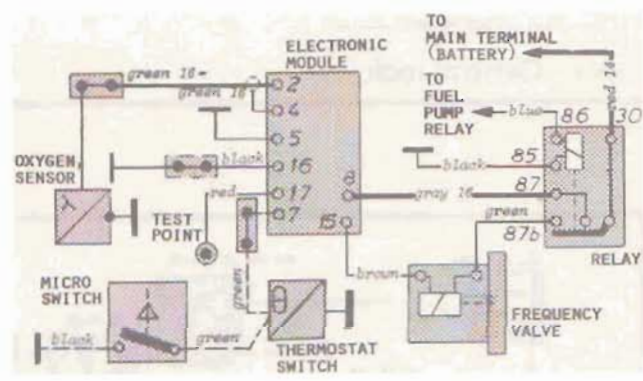
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Window lifts, 2-door



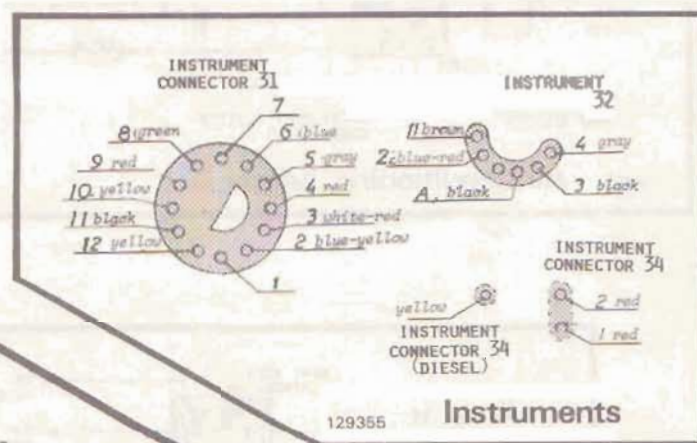
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Automatic transmission



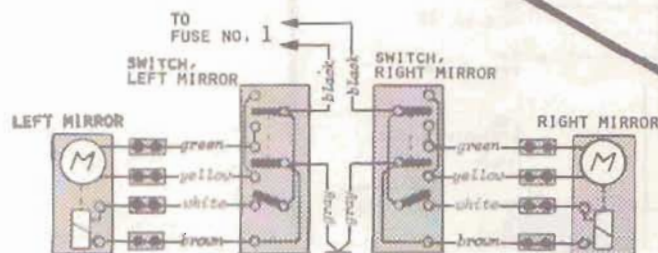
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Lambda system



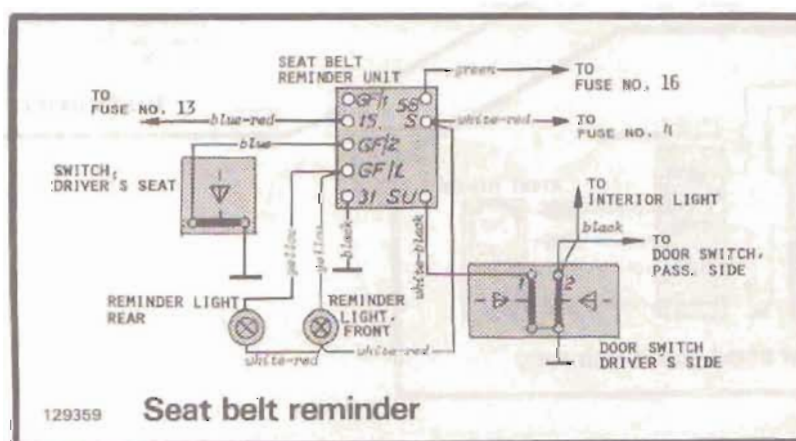
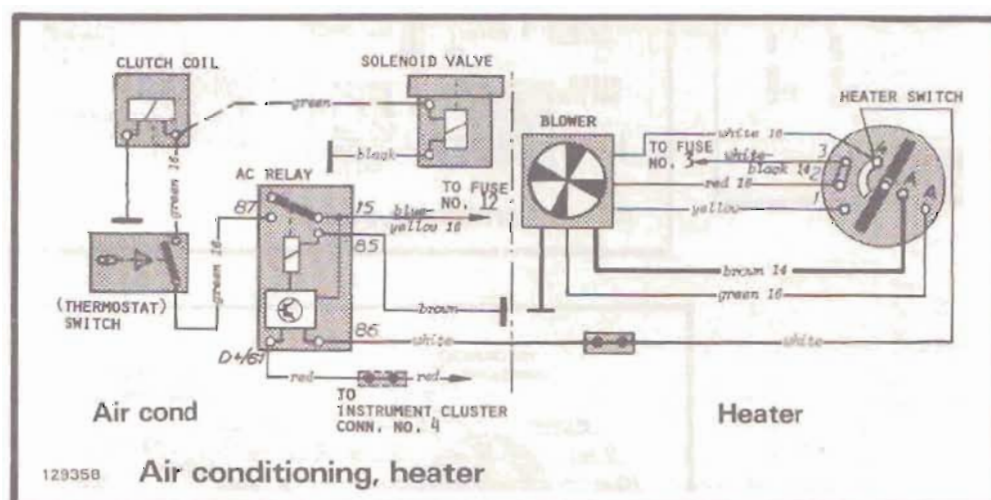
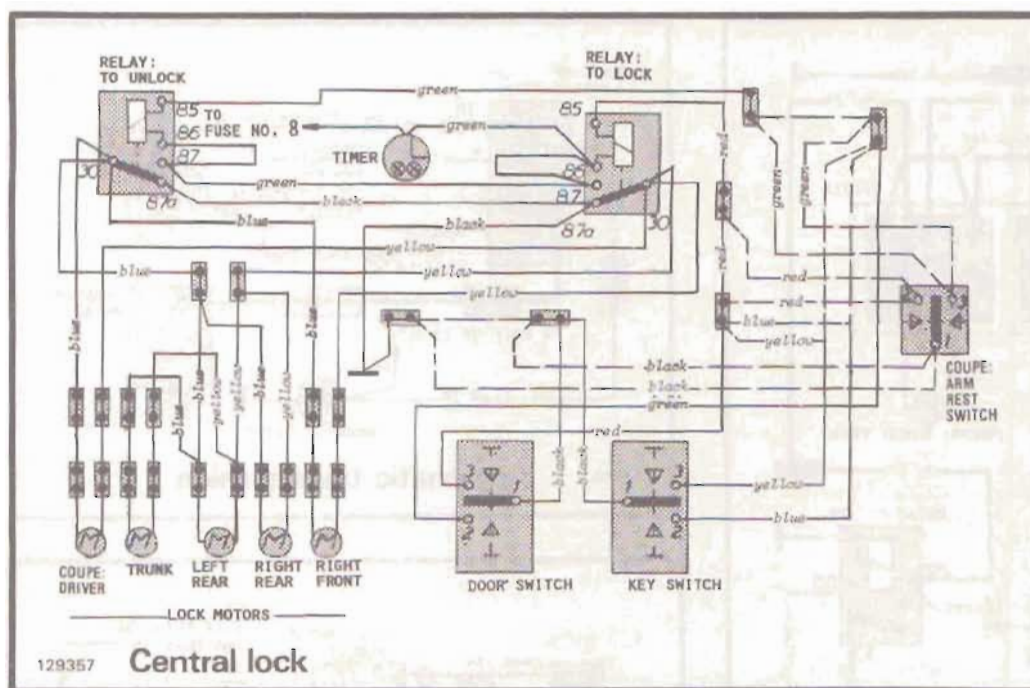
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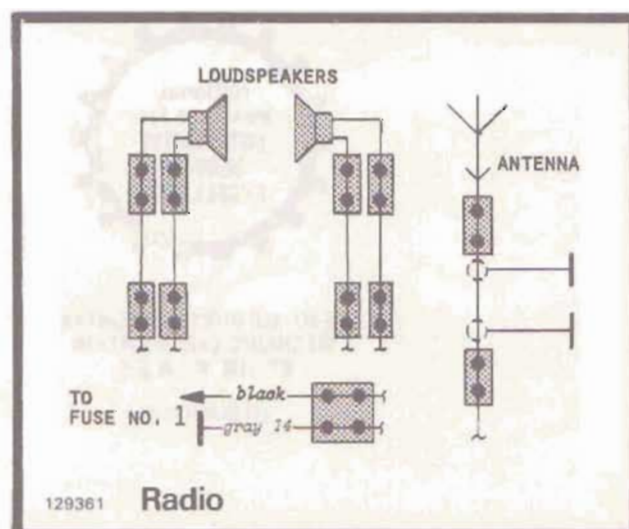
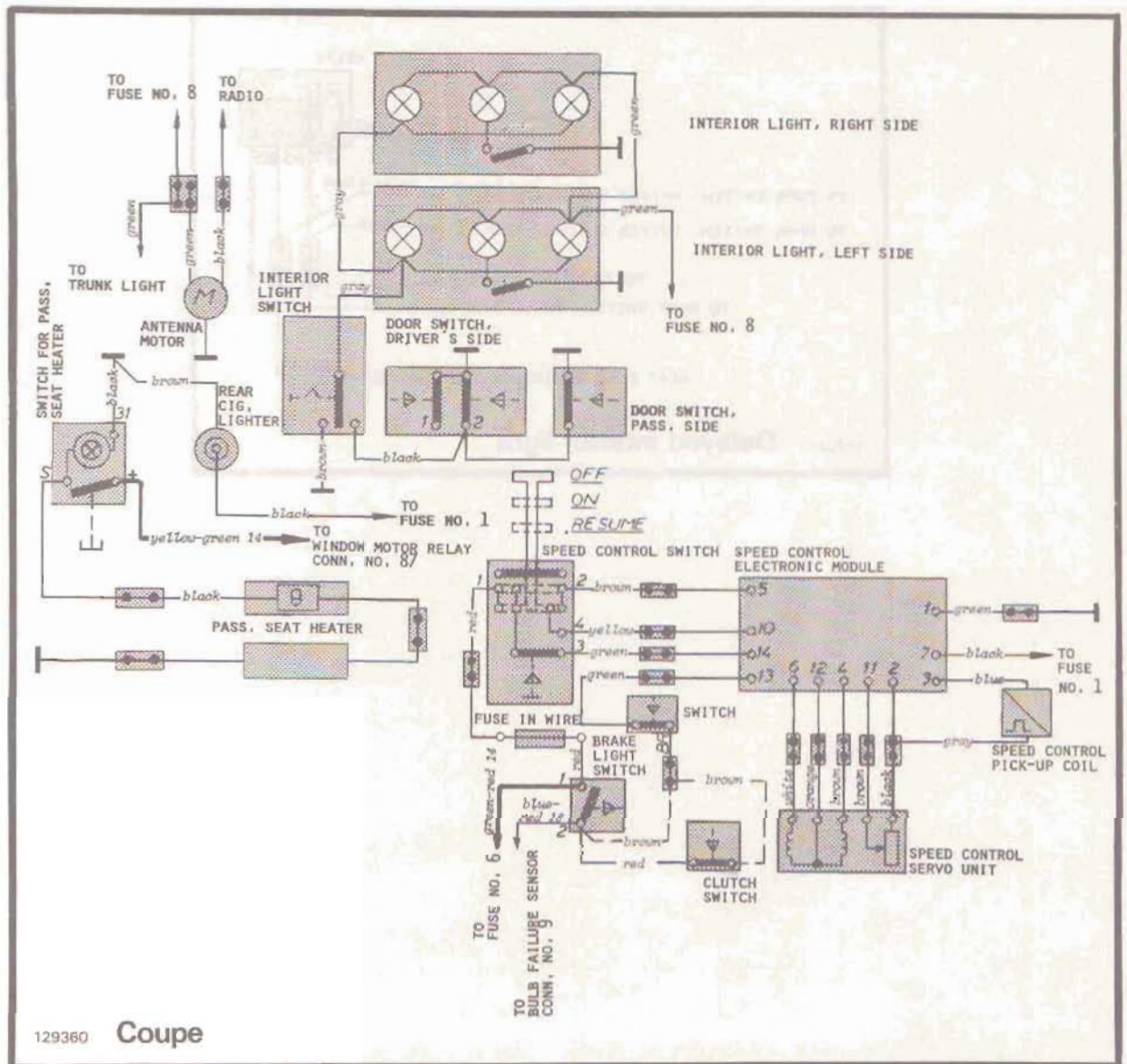
Instruments

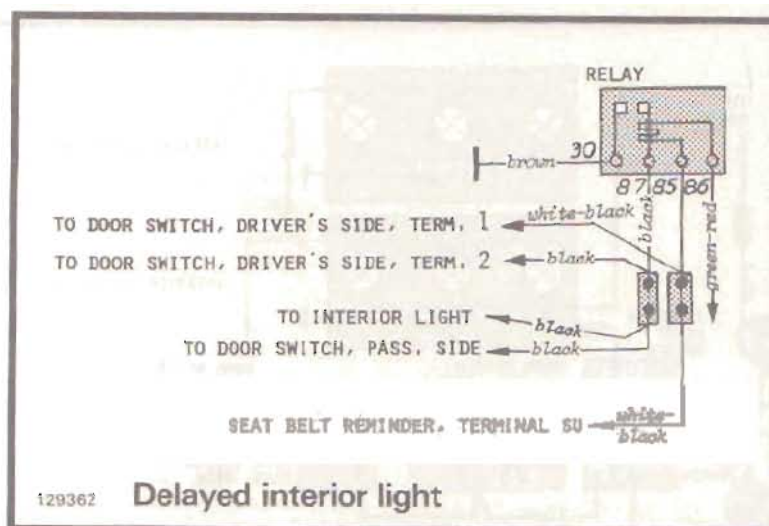


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Electrically operated door mirrors







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

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