

Wiring Diagrams 1980

Section 3 Group 39

Wiring Diagrams

1980 Models

VOLVO

1

2

3

4

5

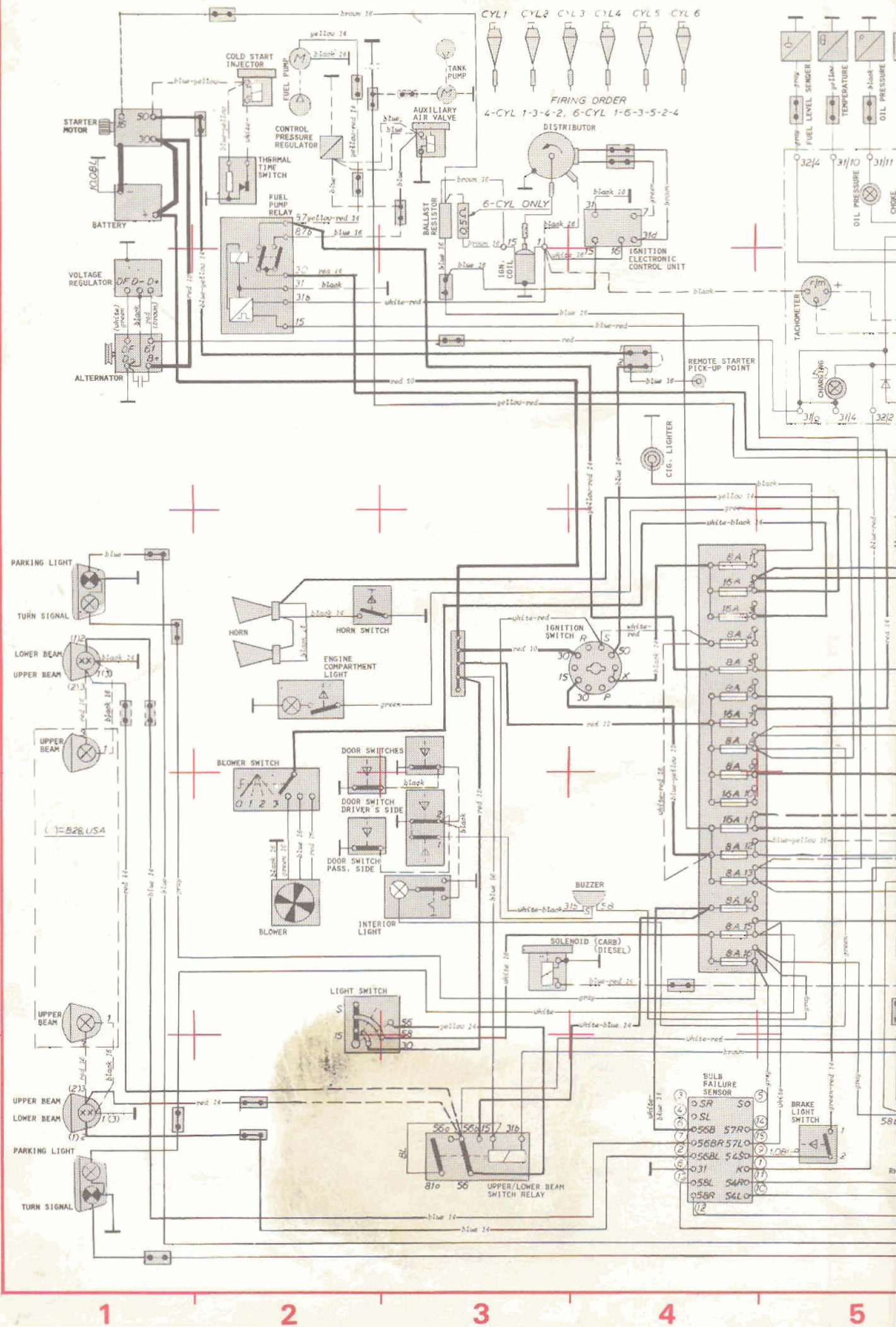
A

B

C

D

E



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NOTE:

Diesel circuitry is generally $\approx$ GLE

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Items associated with instrument panel

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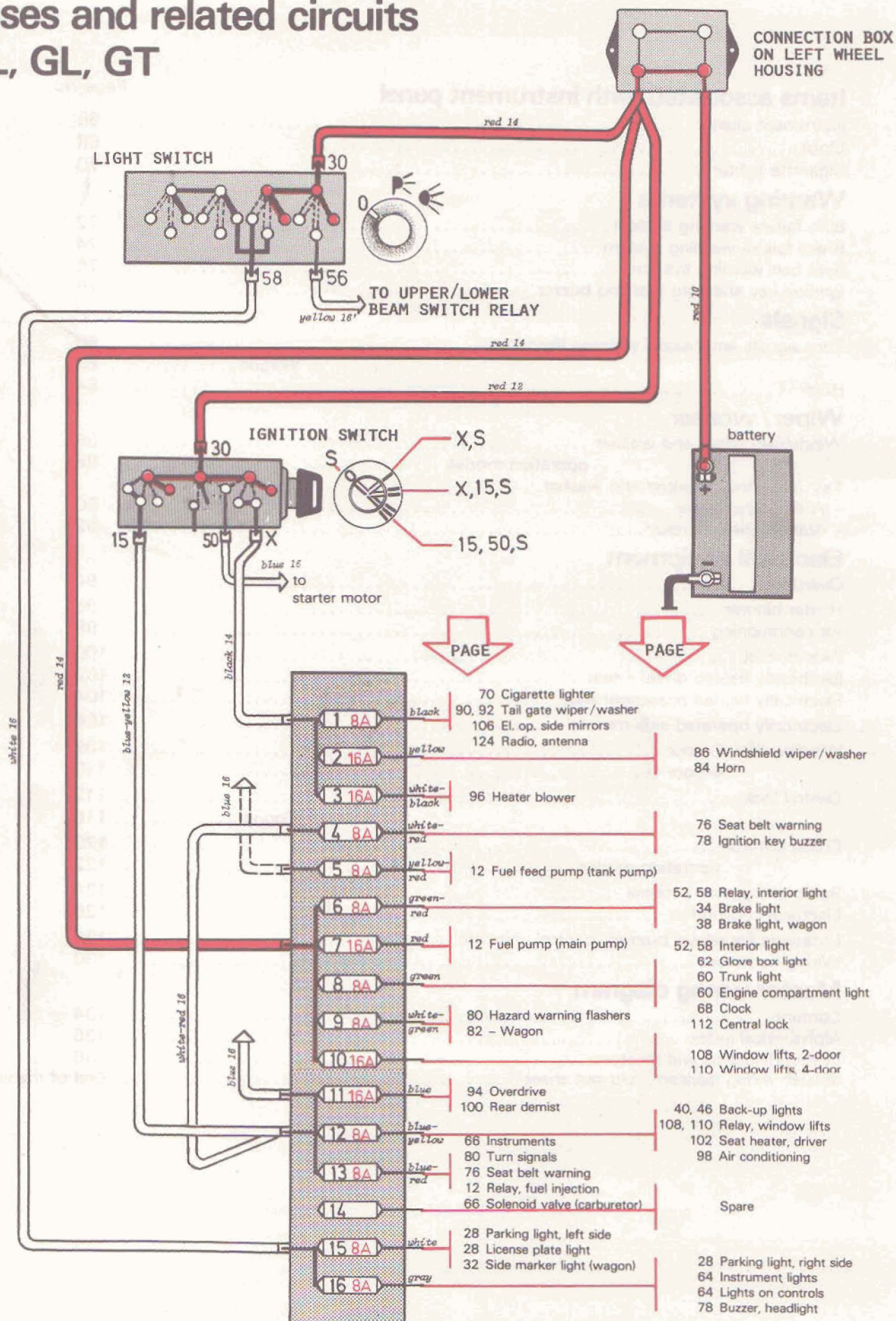
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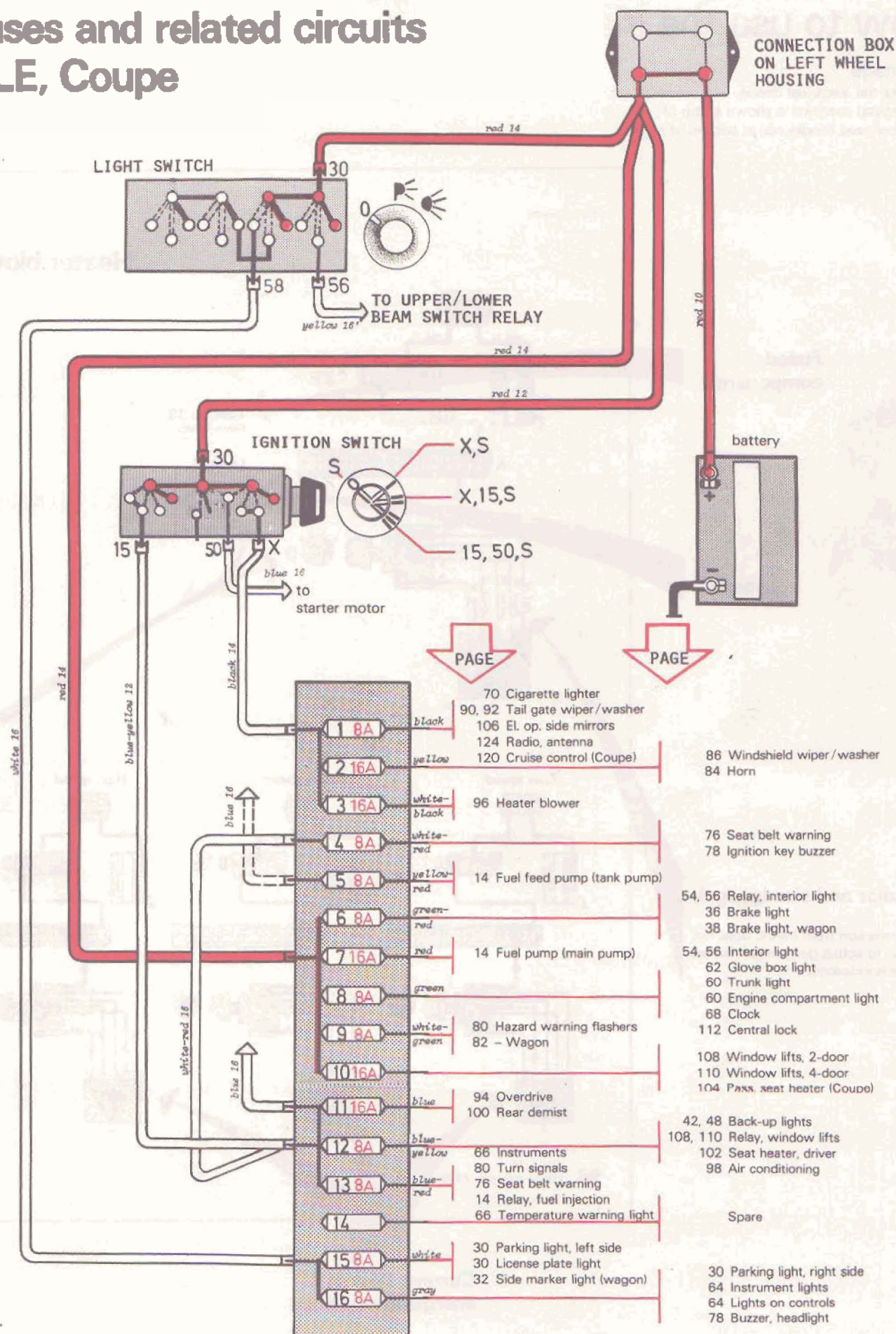
Master wiring diagram

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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

Heater blower

Heater blower

Fuse No 13:
Heater blower

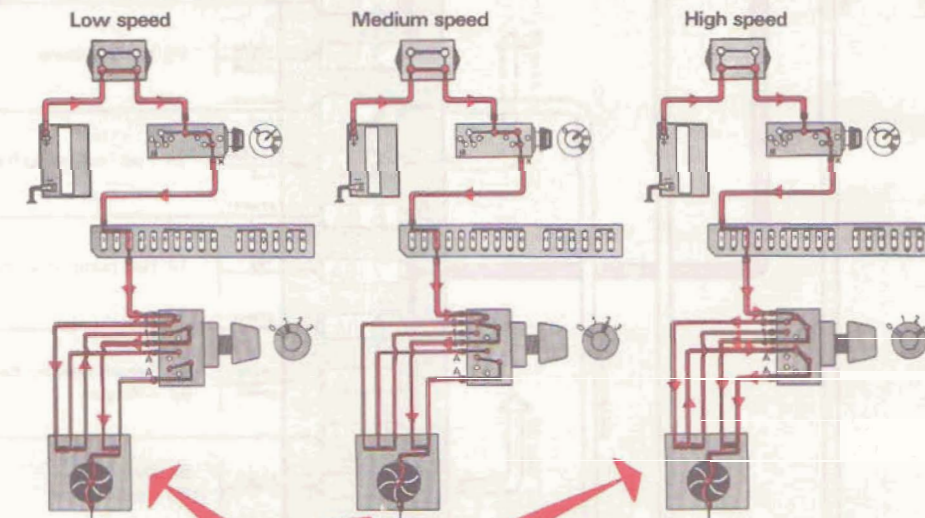
Legend:

- A Fuse box
- B Ignition switch
- C Blower motor
- D Switch

Wire color and size (gauge).

Note:

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



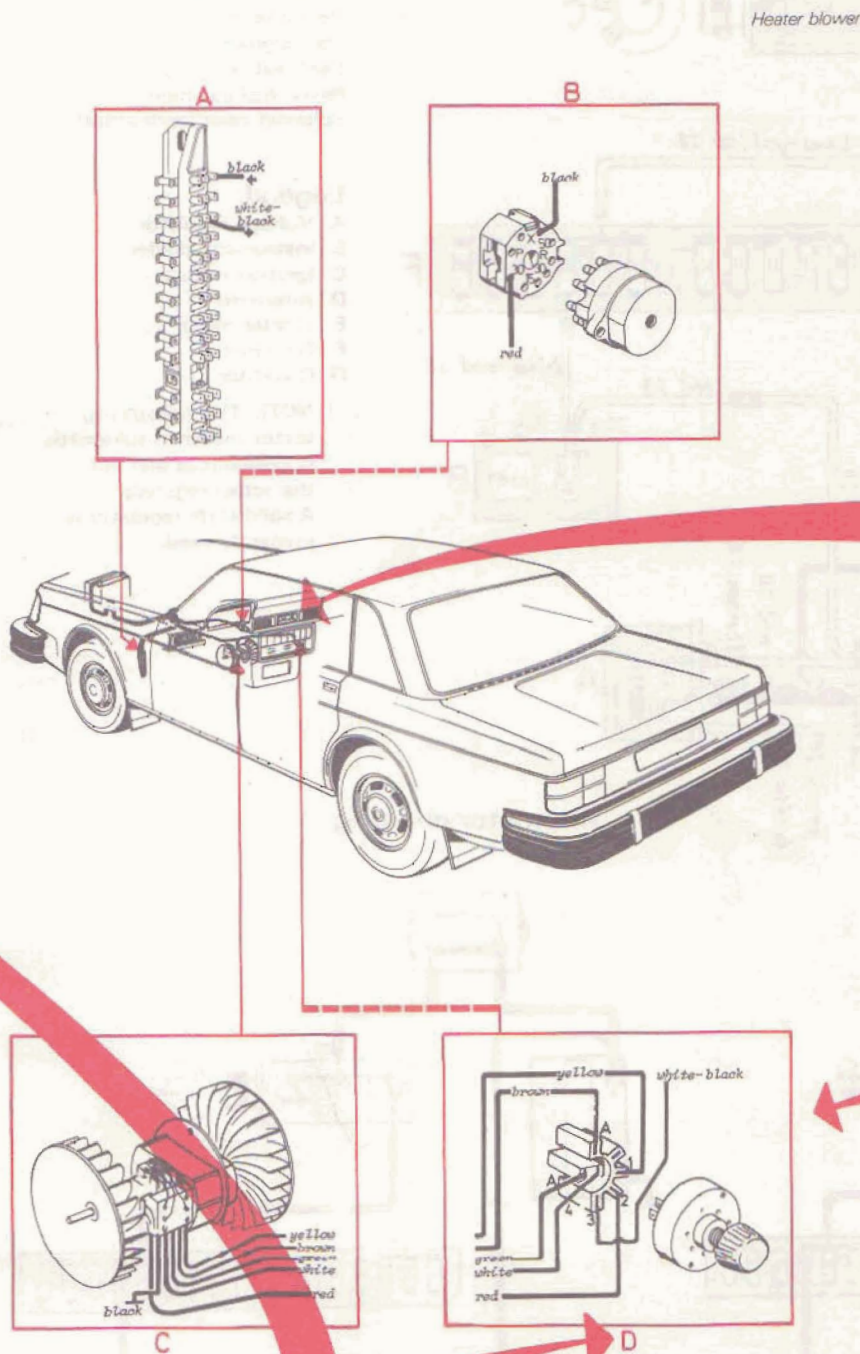
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Wiring diagrams 1980

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.



Component location and routing of wiring harness

Component terminals and wire connections

130805

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Letters facilitate referencing components on either page

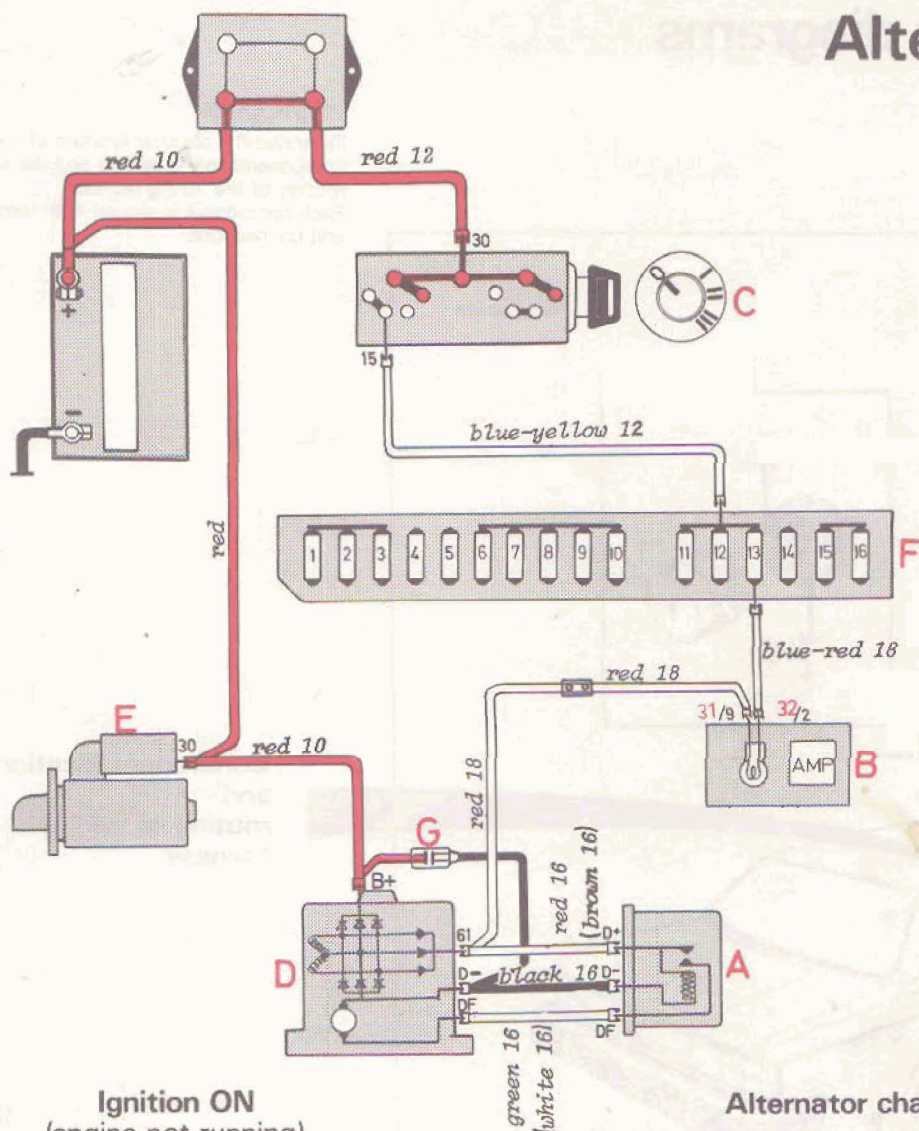
Alternator circuits

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

Legend:

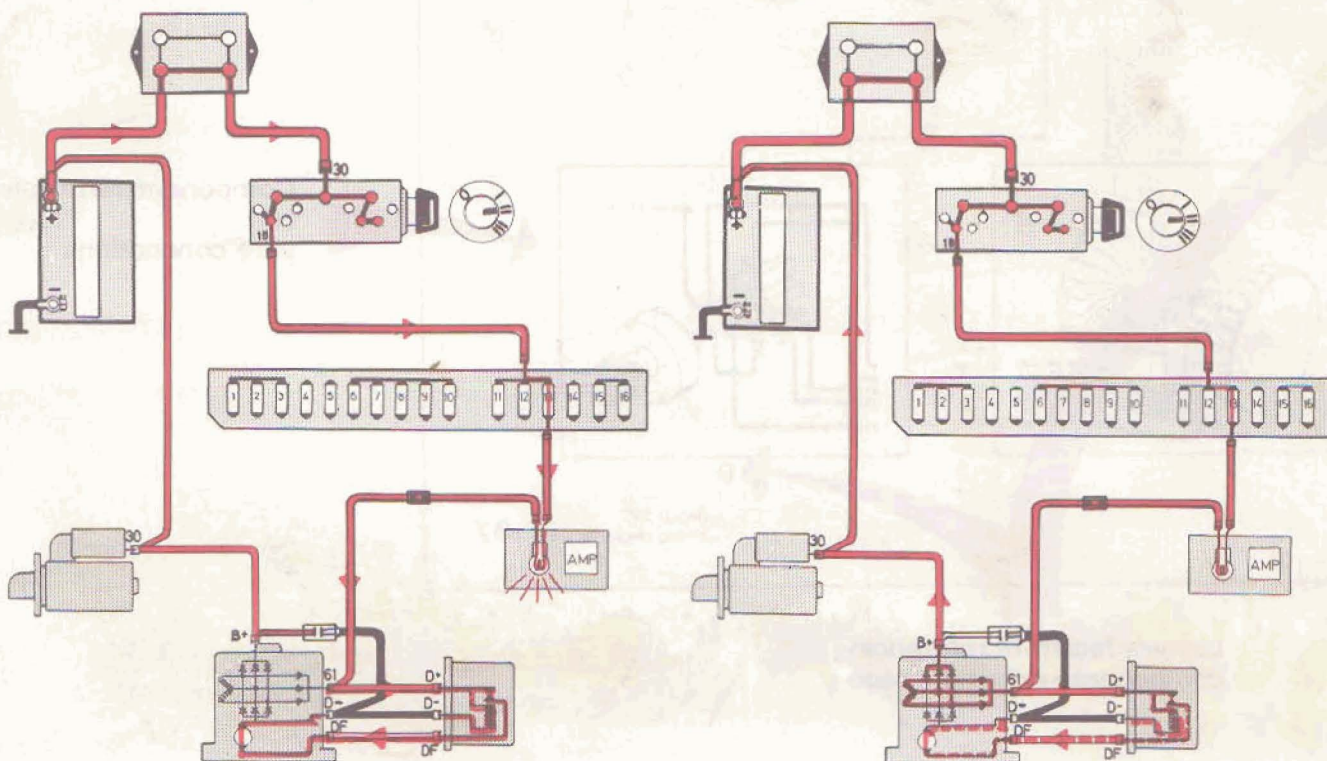
- A Voltage regulator
- B Instrument cluster
- C Ignition switch
- D Alternator
- E Starter motor
- F Fuse box
- G Capacitor

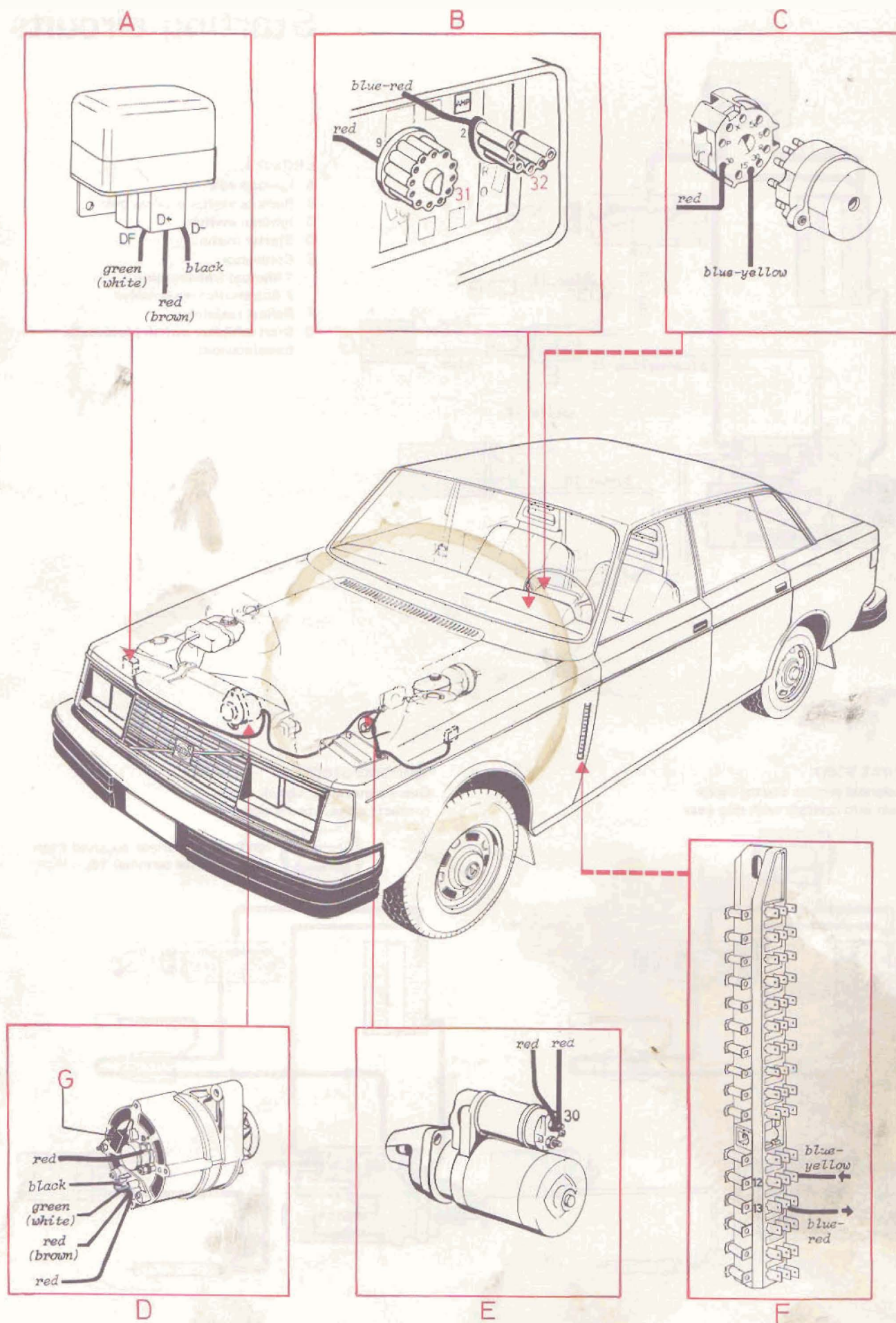
NOTE: The voltage regulator shown in schematic is symbolic pf and not the actual regulator. A solid state regulator is presently used.



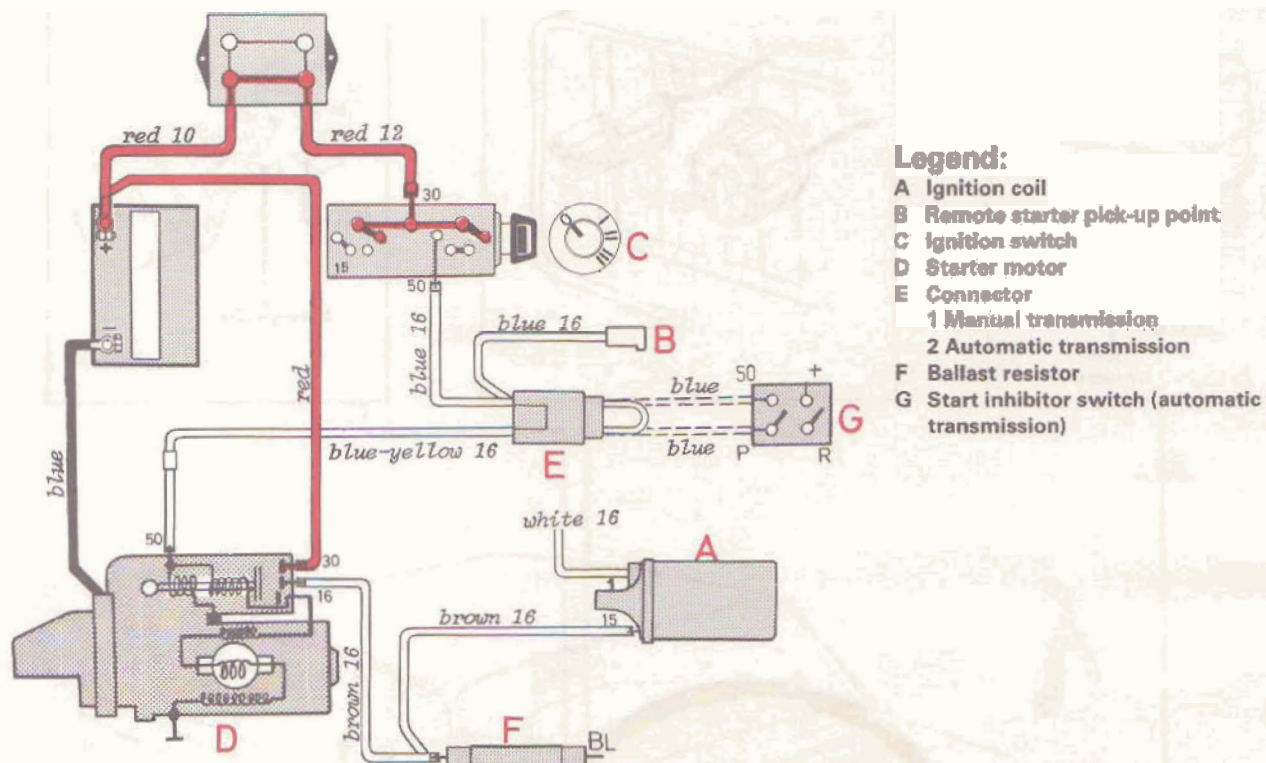
Ignition ON
(engine not running)

Alternator charging



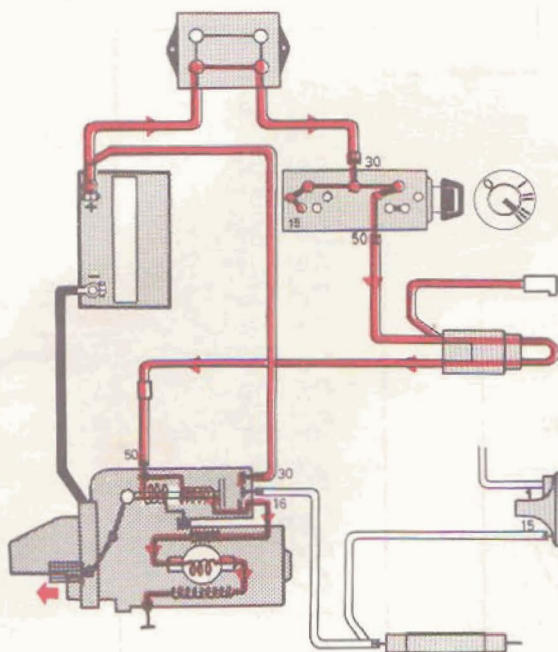


Starting circuits



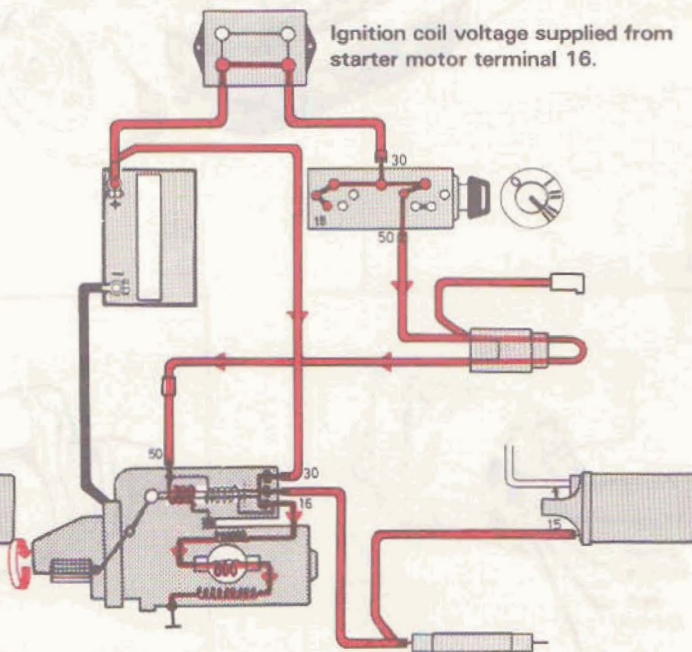
First step:

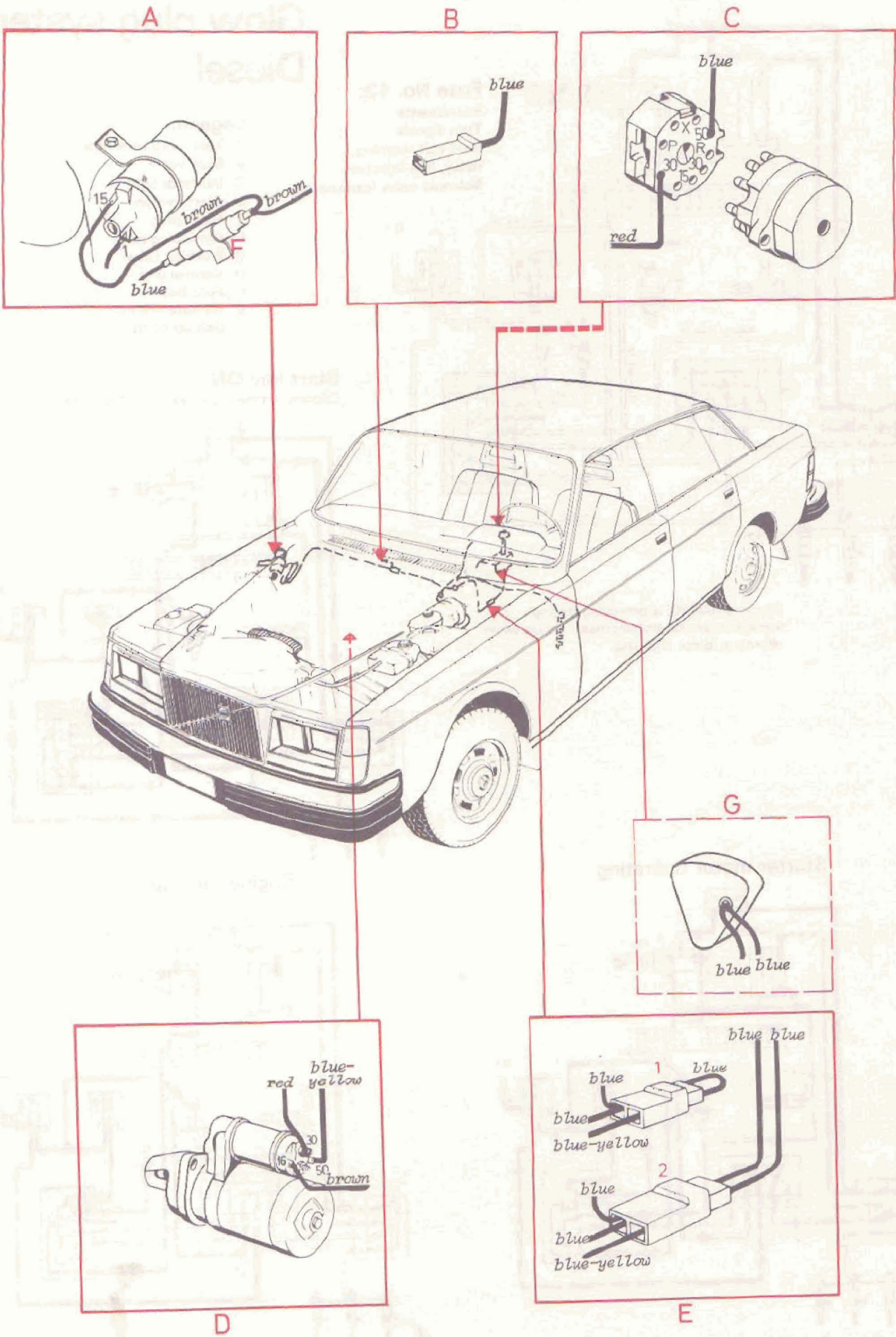
Solenoid pushes starter motor gear into contact with ring gear.



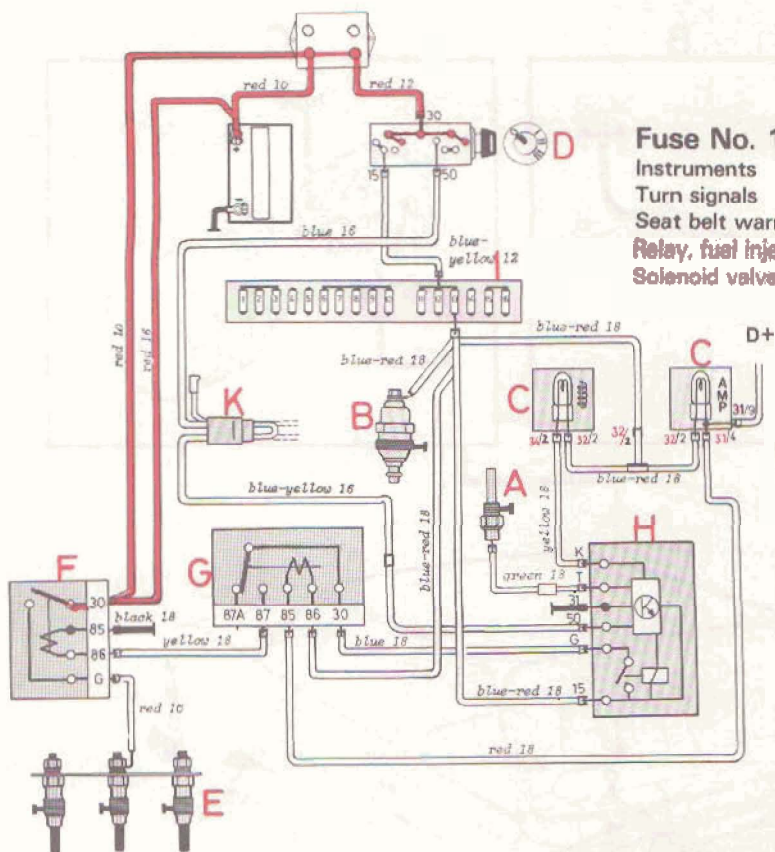
Second step:

Gears connected, starter motor contacts close, starter operates.





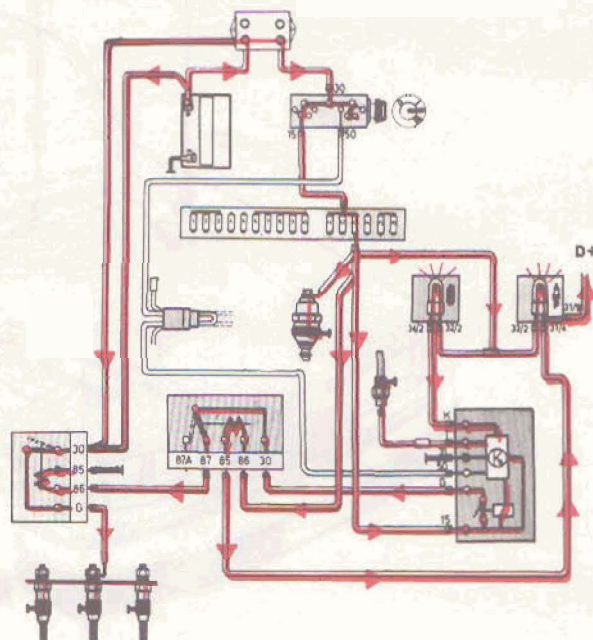
Glow plug system Diesel



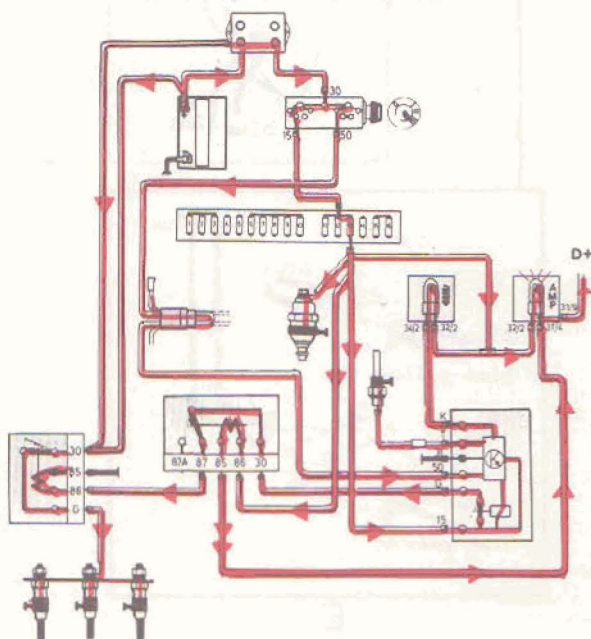
Blocking relay (G) is grounded through voltage regulator and alternator circuit when alternator is not charging.

Start key ON

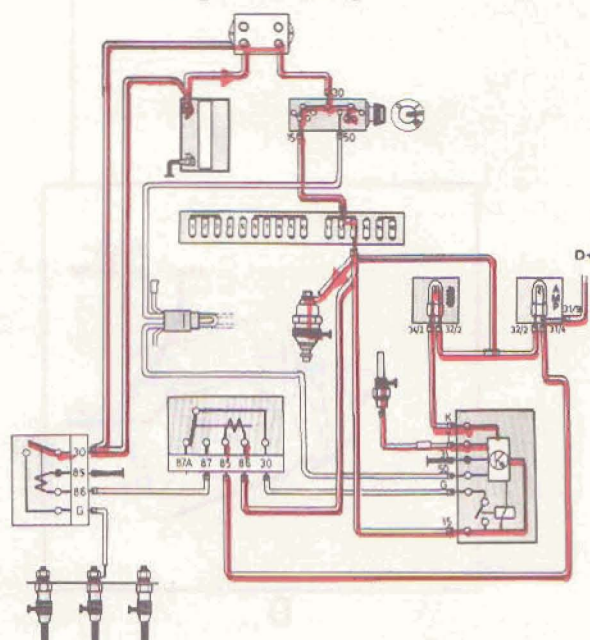
Coolant temperature below +50° C = 122° F

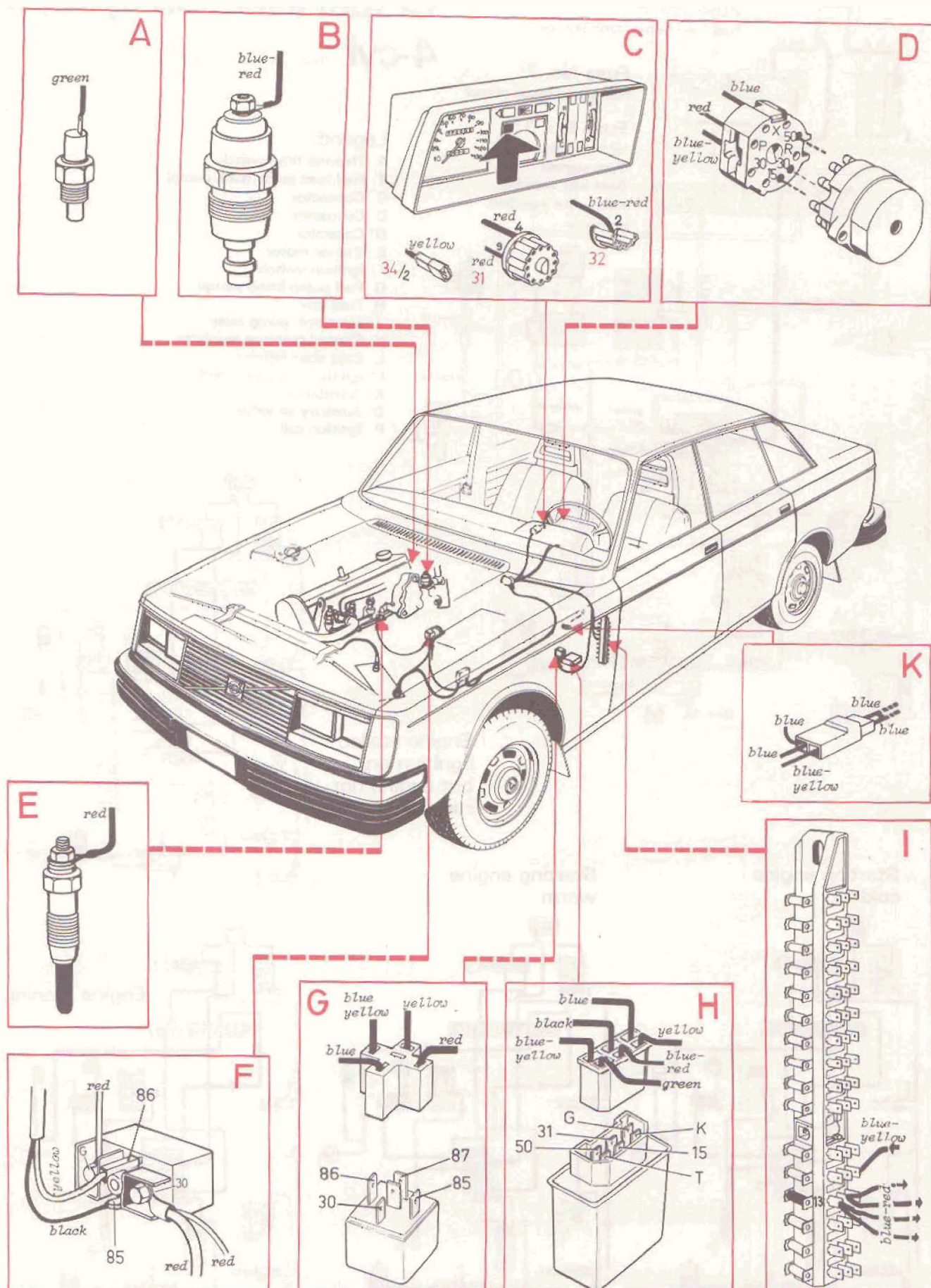


Starter motor operating

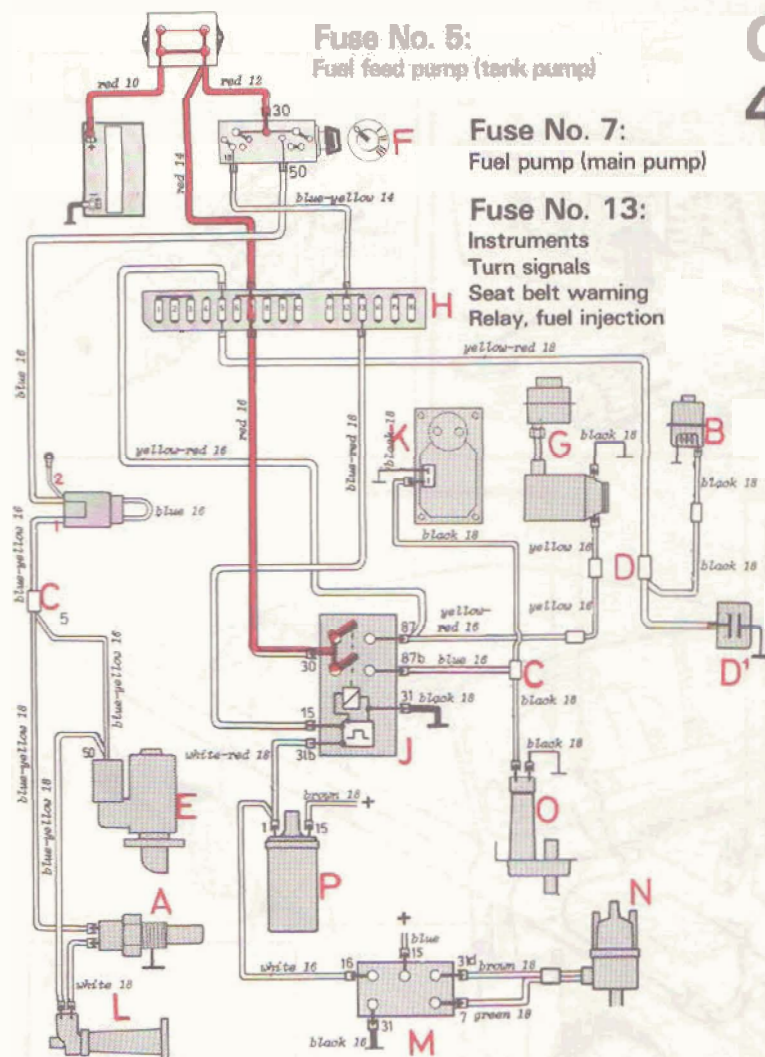


Engine running

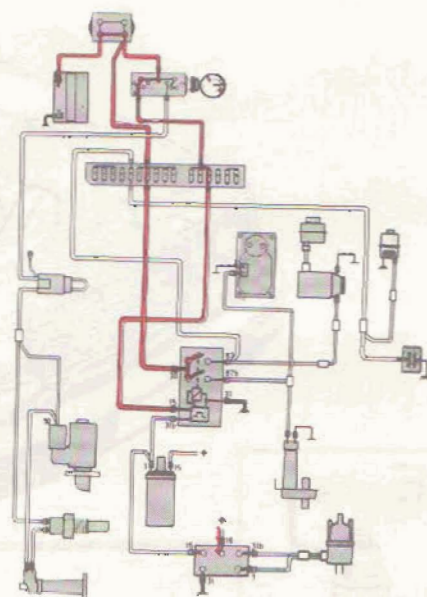




CI fuel injection system 4-cyl



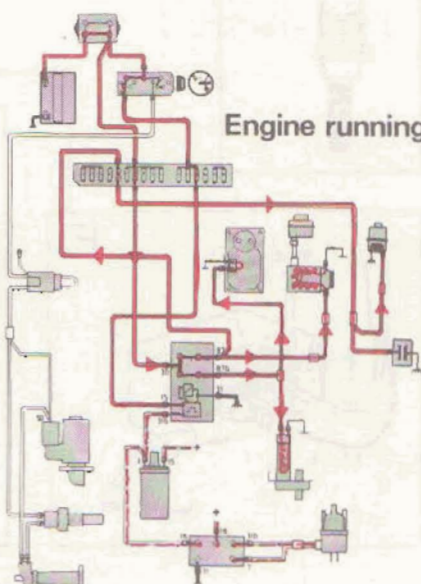
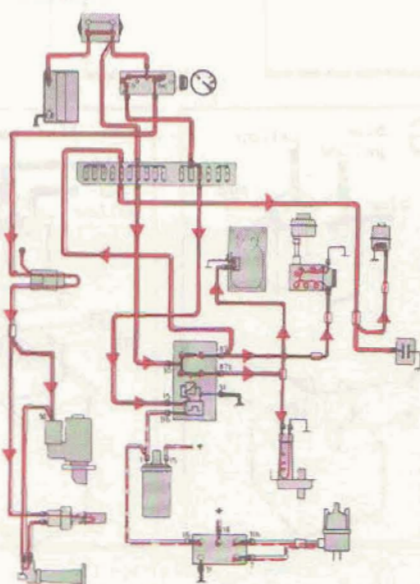
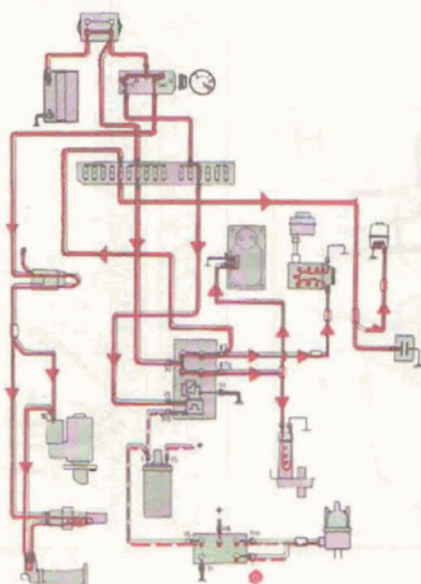
Engine stalled
(ignition on,
but engine not
running)

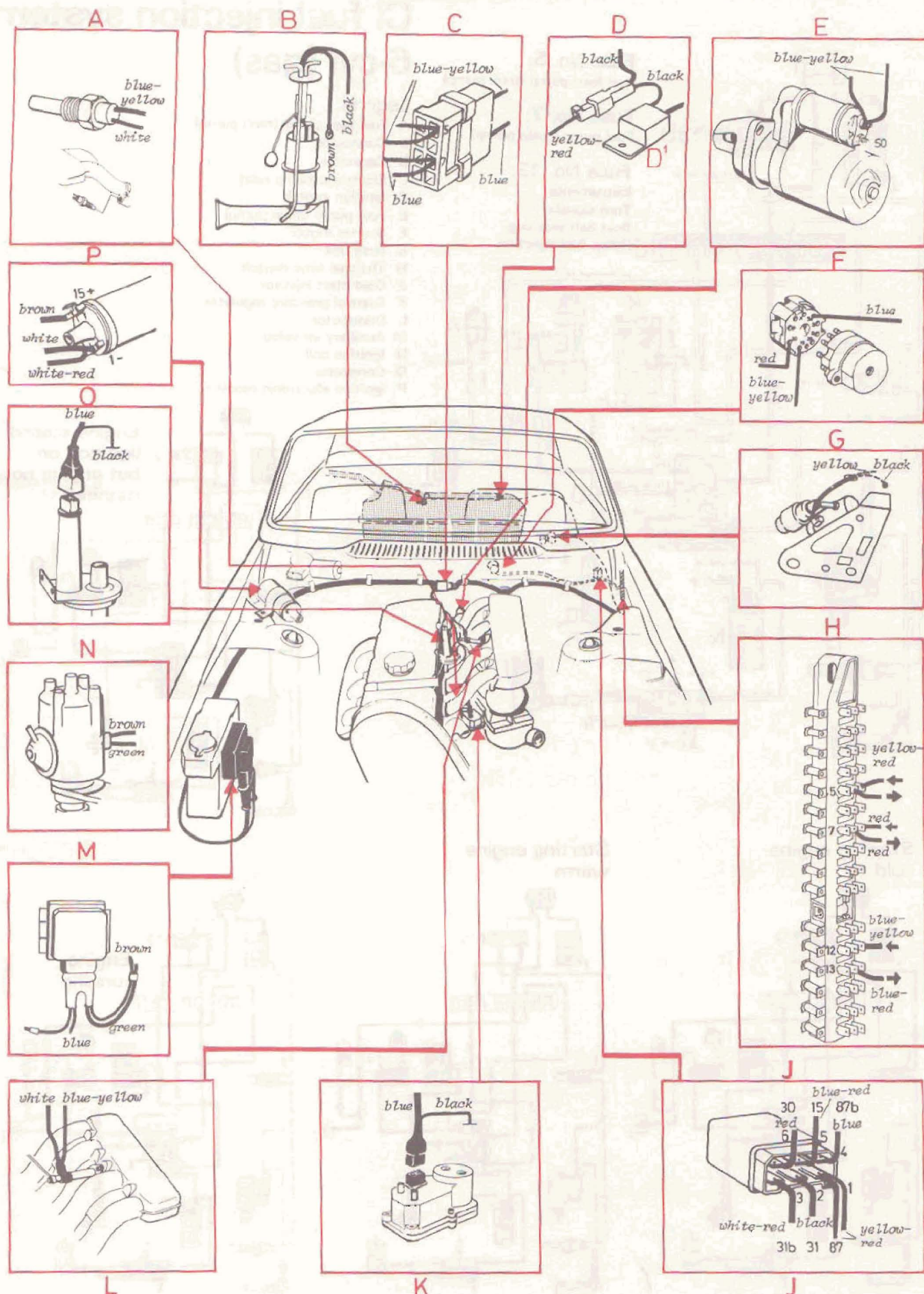


Starting engine
cold

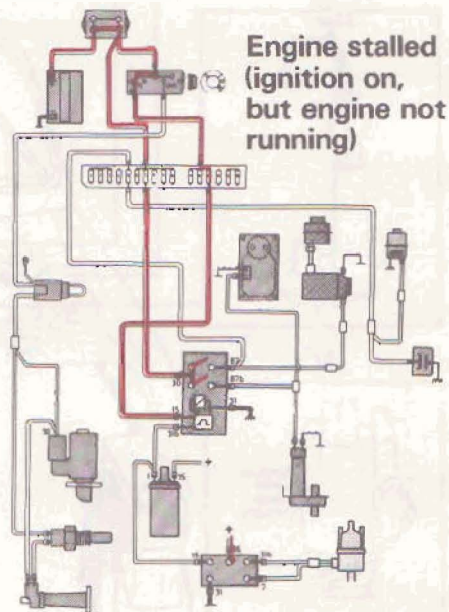
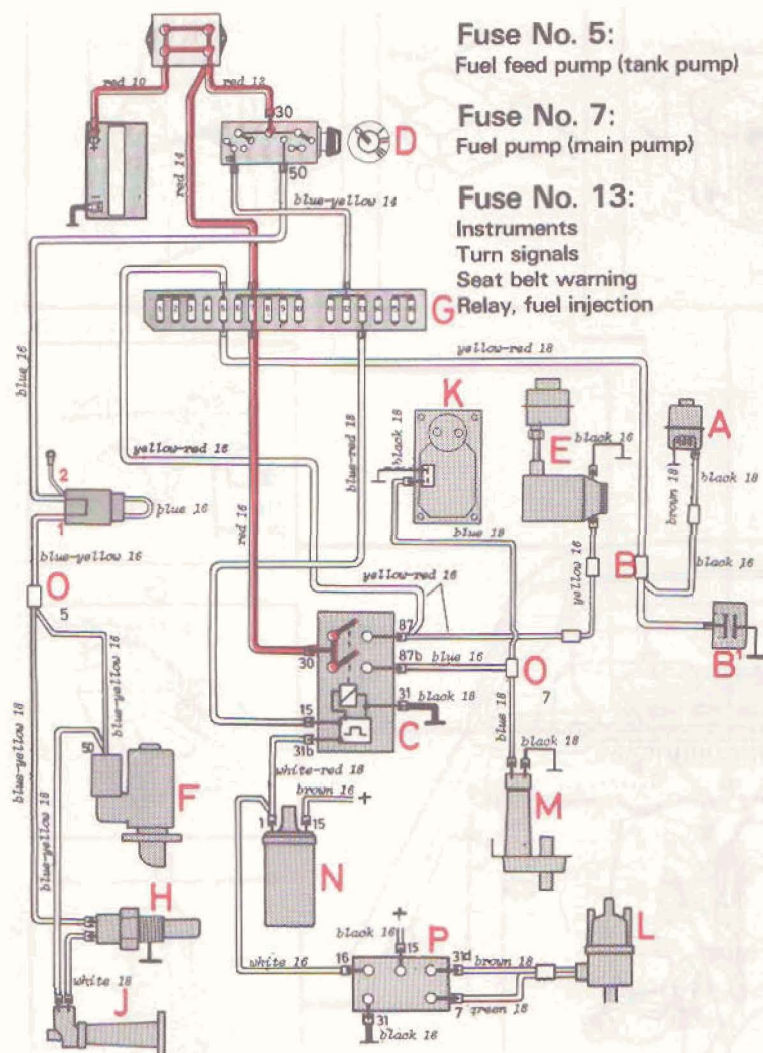
Starting engine
warm

Engine running





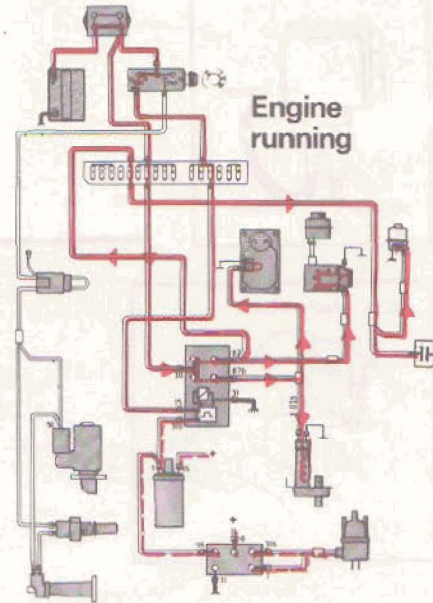
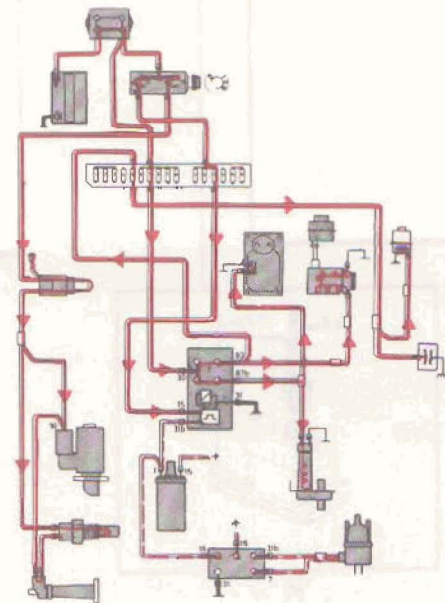
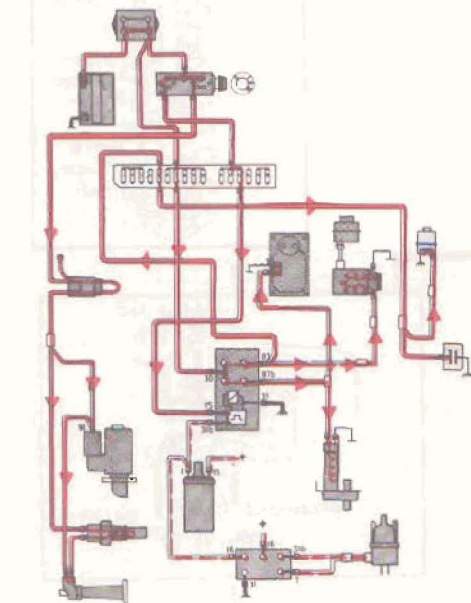
CI fuel injection system 6-cyl (gas)

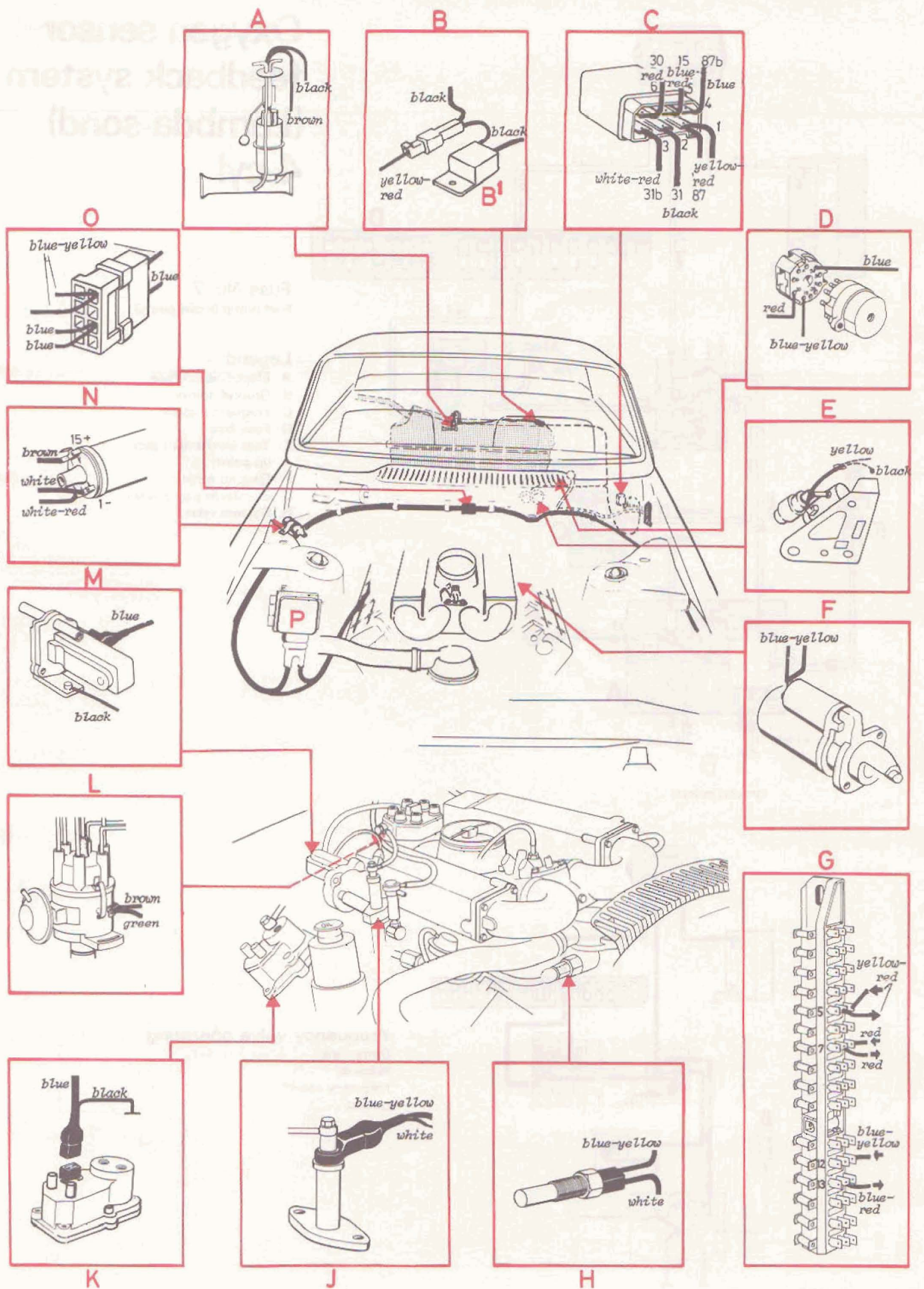


**Starting engine
cold**

**Starting engine
warm**

**Engine
running**



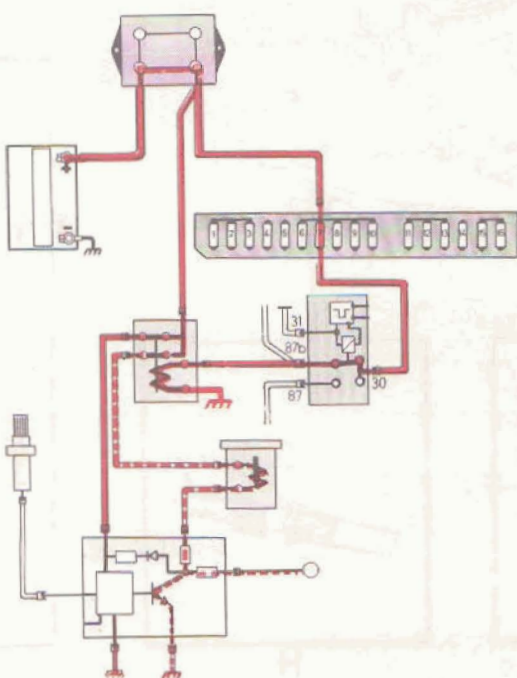
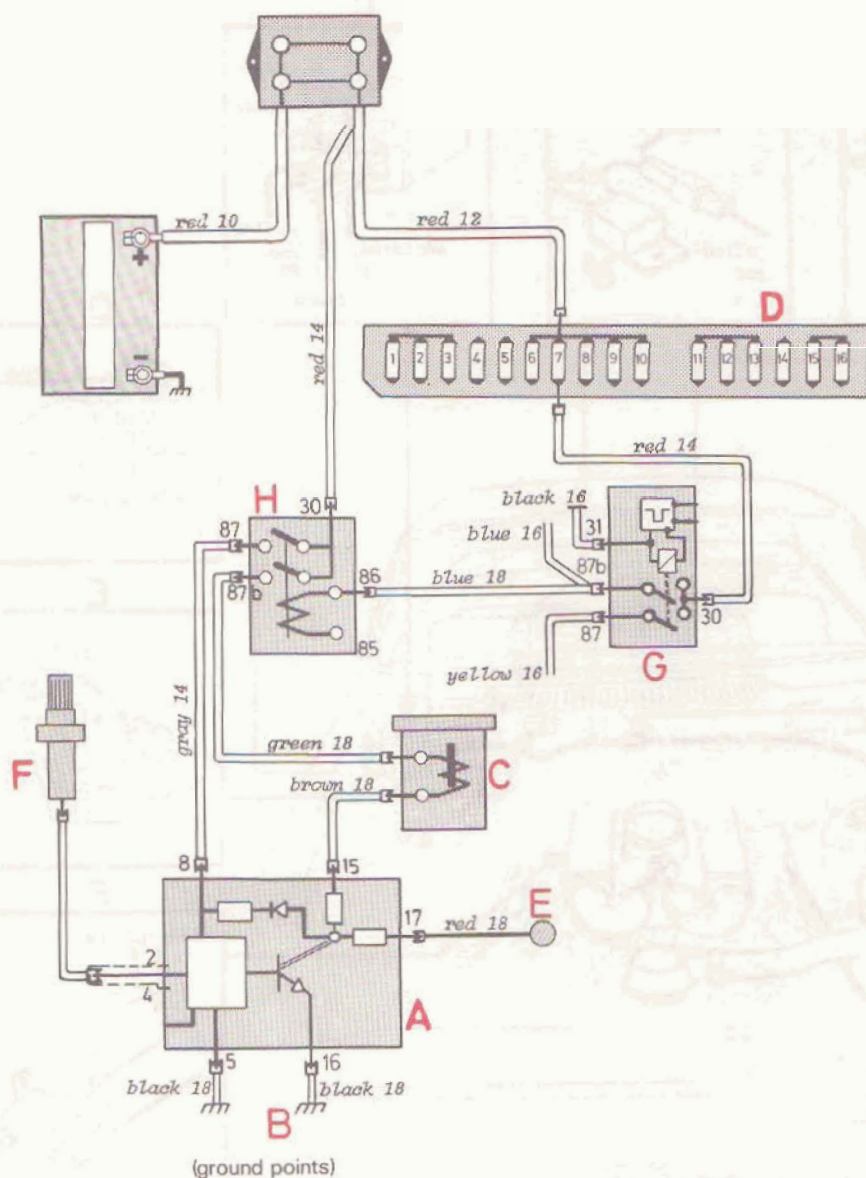


Oxygen sensor feedback system (Lambda-sond) 4-cyl

Fuse No. 7:
Fuel pump (main pump)

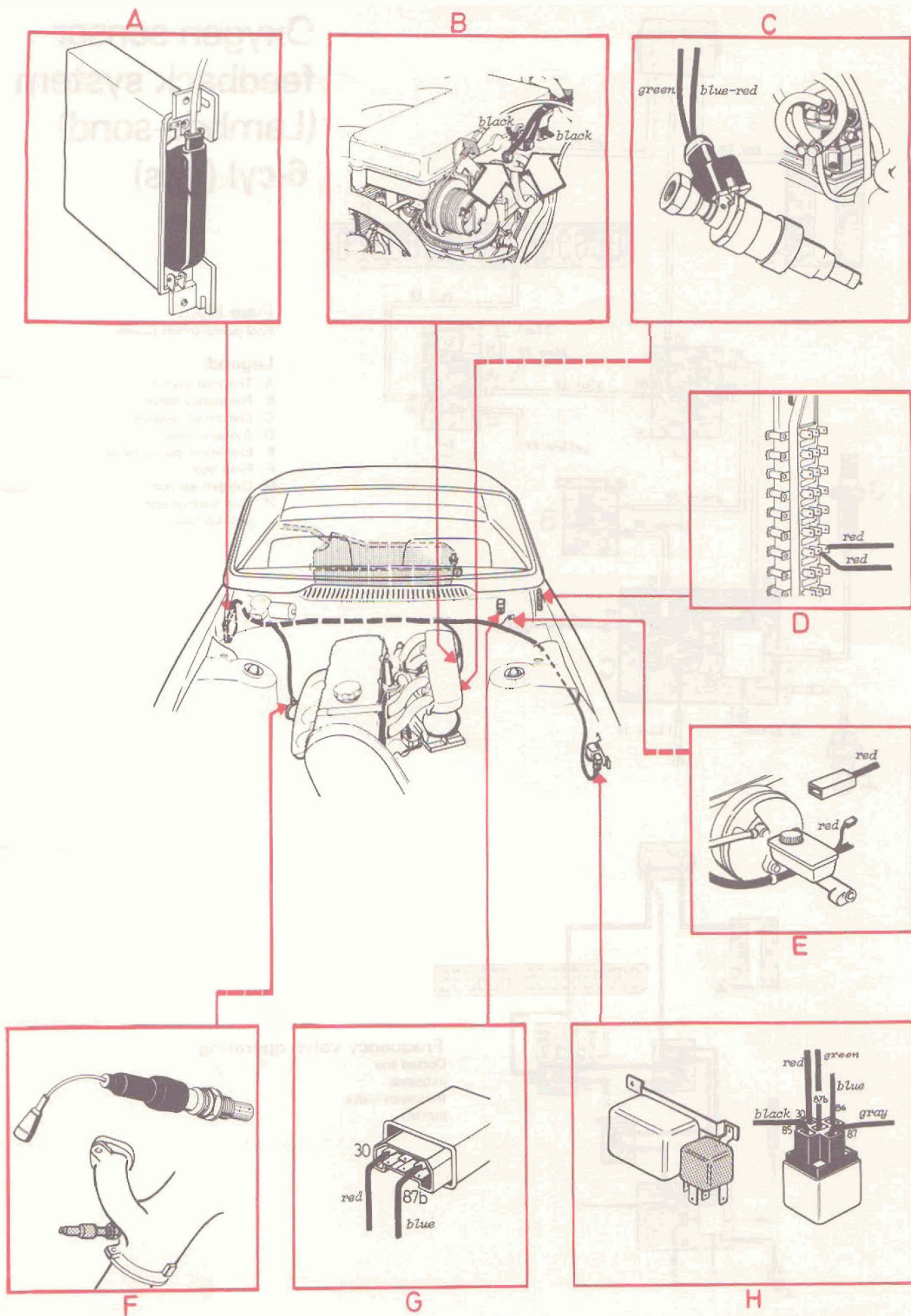
Legend:

- 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

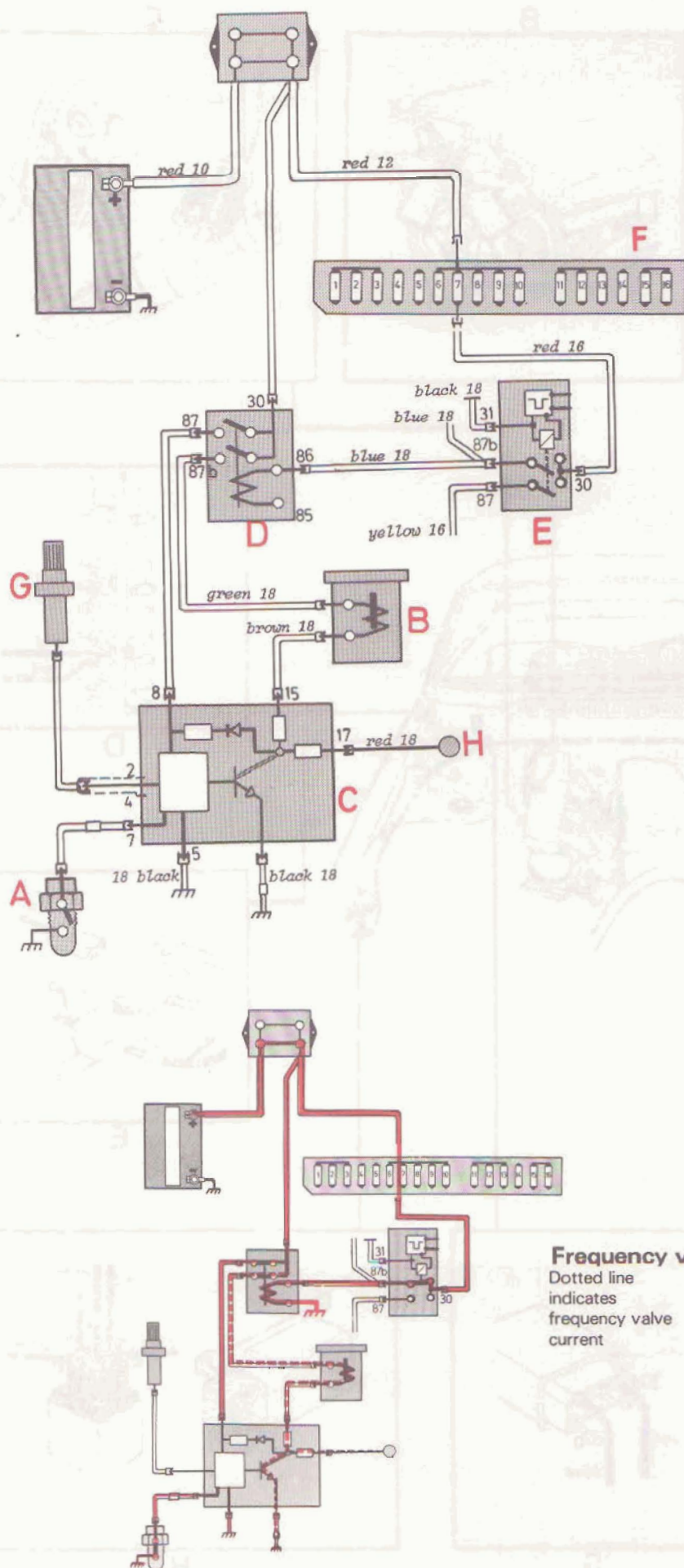


Frequency valve operating

Dotted line
indicates
frequency valve
current



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



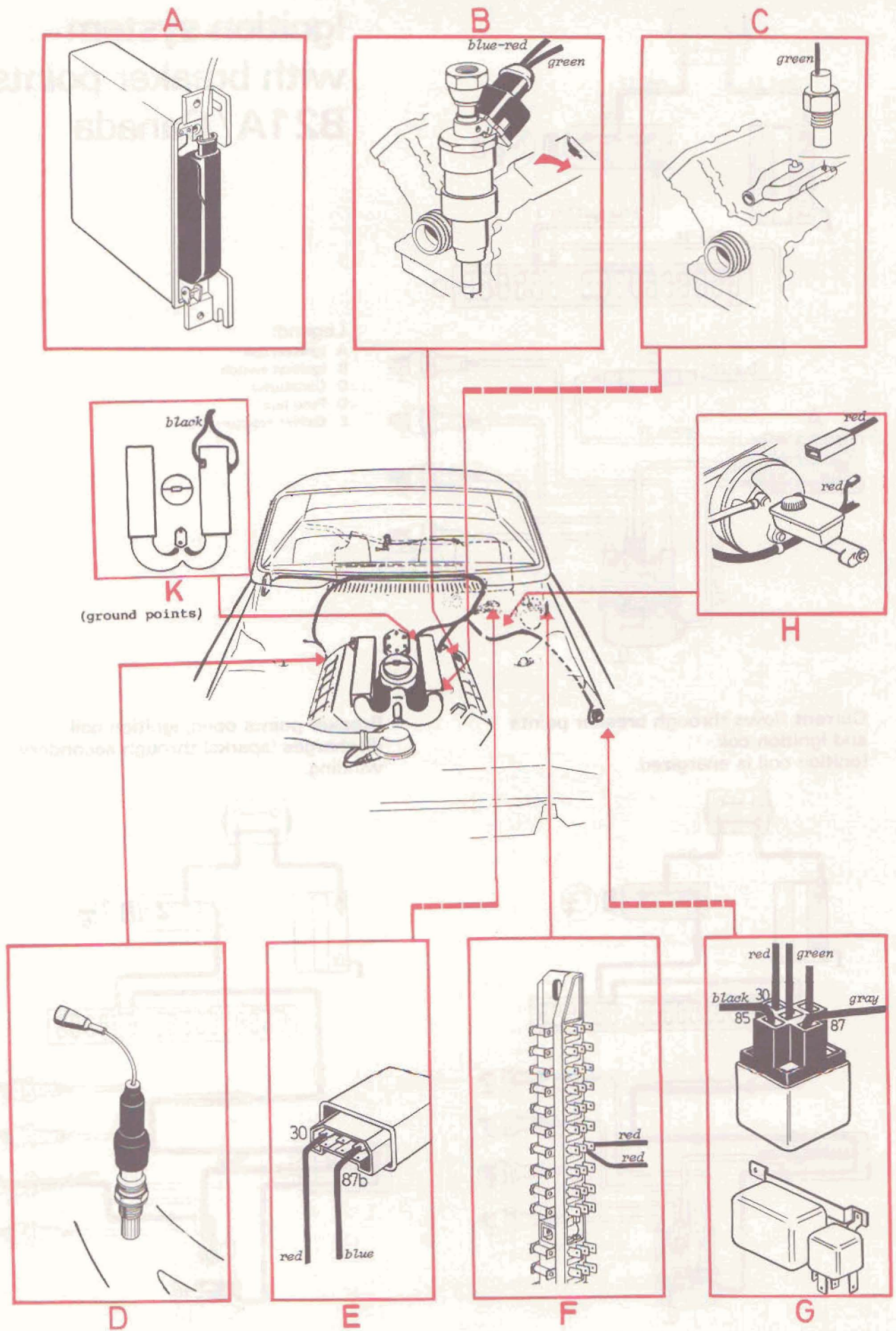
Fuse No. 7:
Fuel pump (main pump)

Legend:

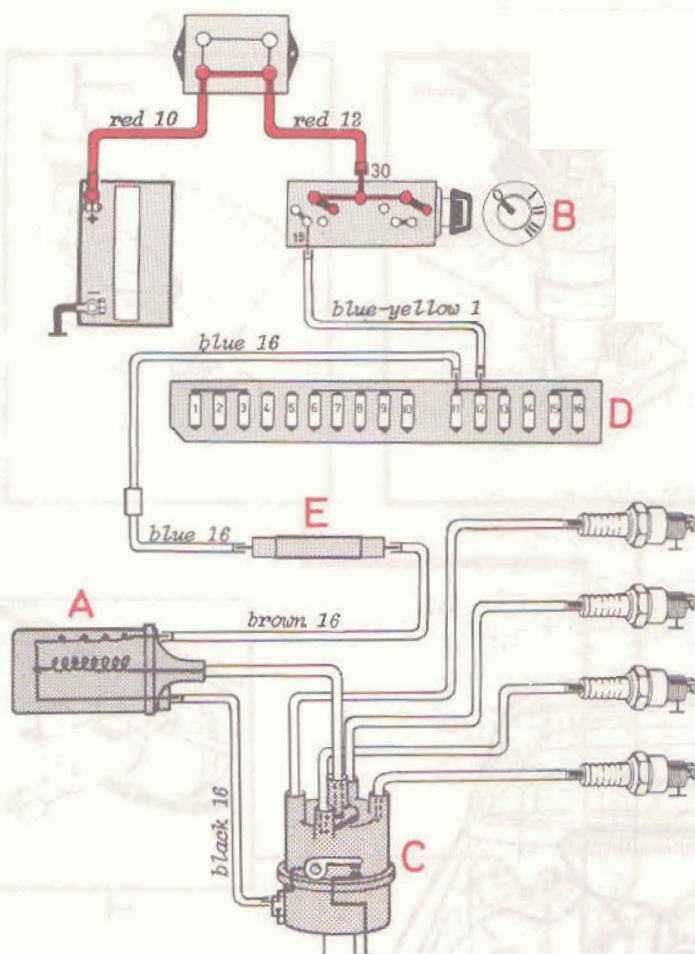
- A Thermal switch
- B Frequency valve
- C Electronic module
- D System relay
- E Electronic pump relay
- F Fuse box
- G Oxygen sensor
- H Test instrument pick-up point

Frequency valve operating

Dotted line
indicates
frequency valve
current



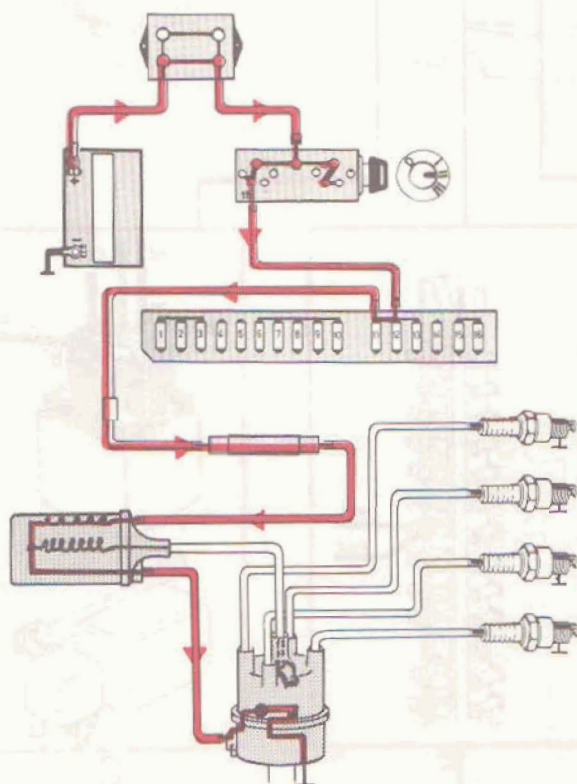
Ignition system with breaker points, B21A/Canada



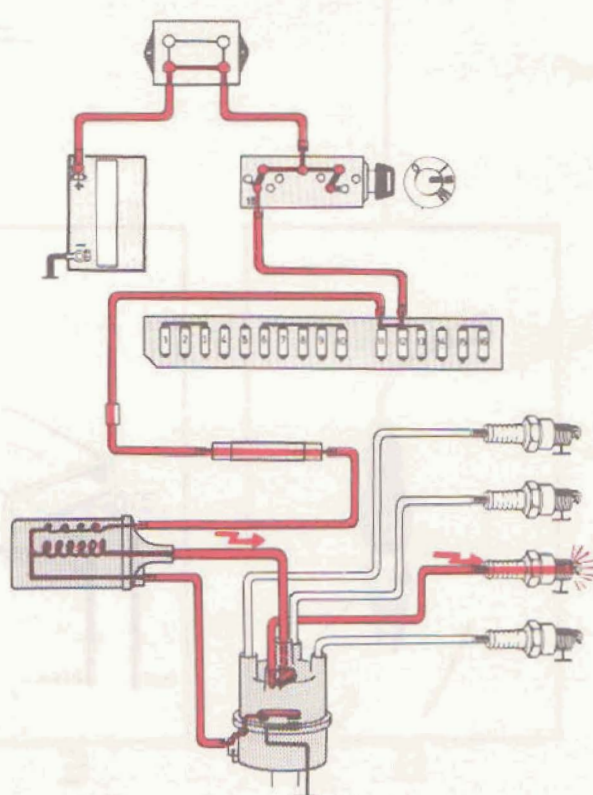
Legend:

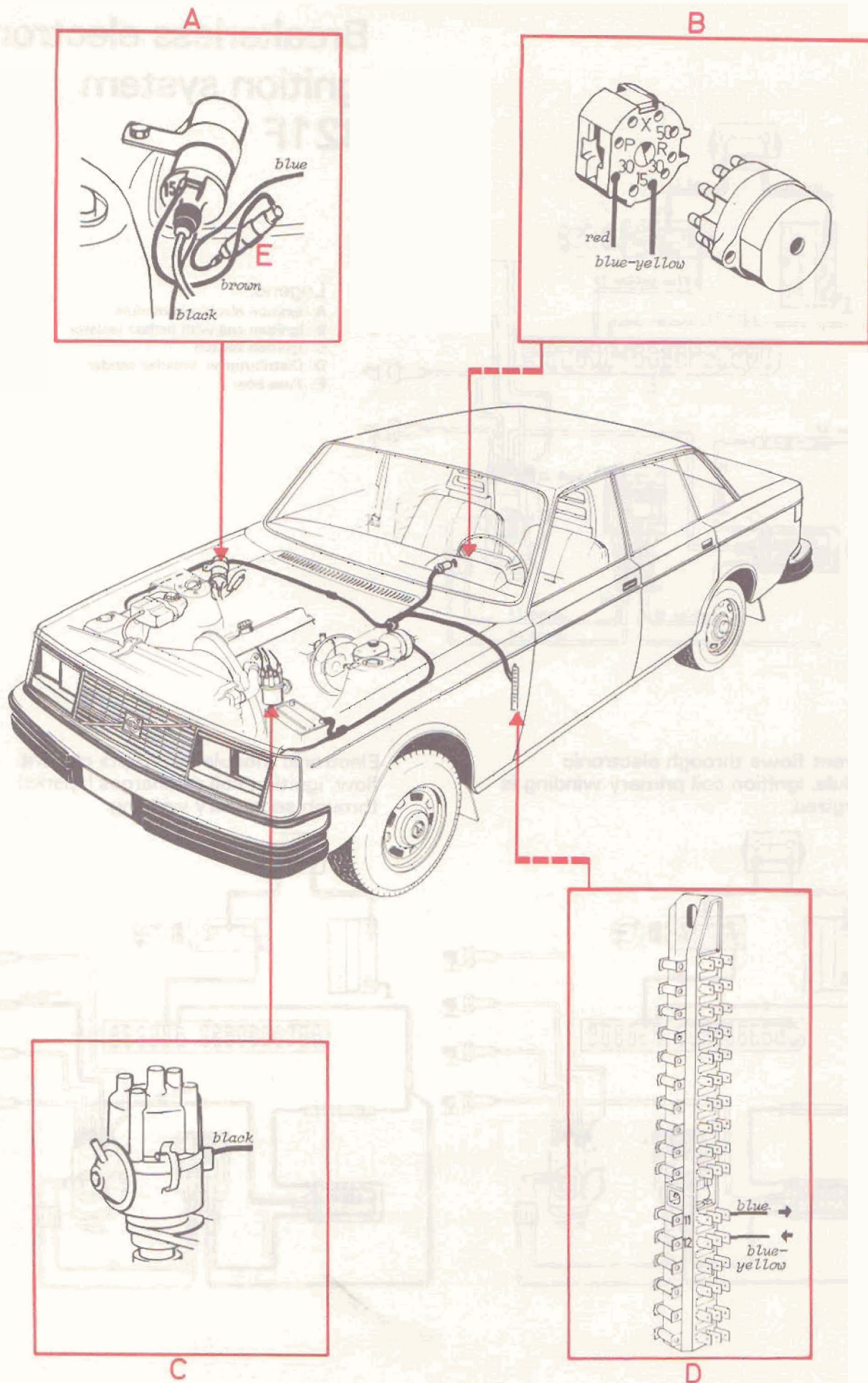
- A Ignition coil
- B Ignition switch
- C Distributor
- D Fuse box
- E Ballast resistor

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

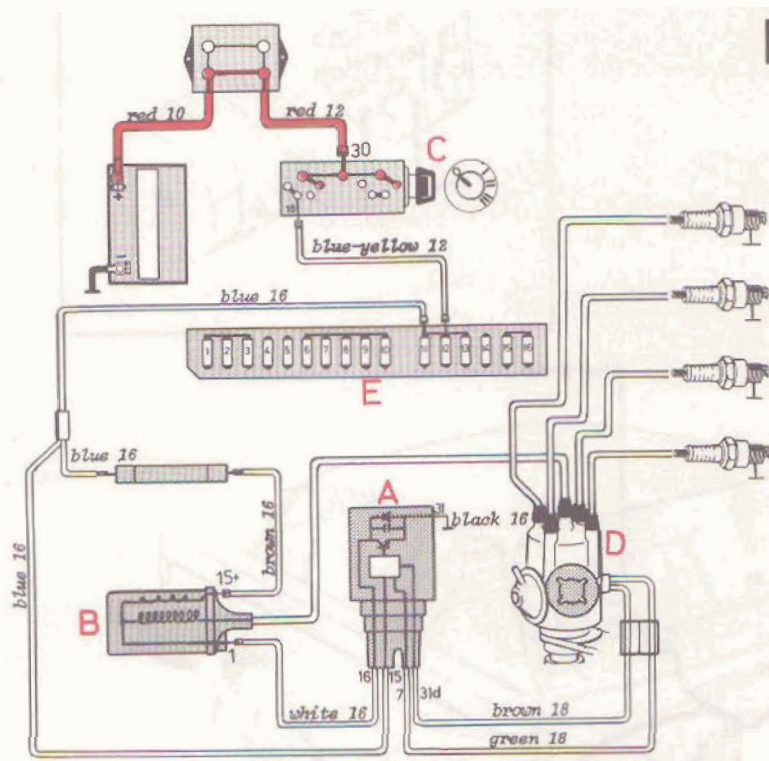


Breaker points open, ignition coil discharges (sparks) through secondary winding.





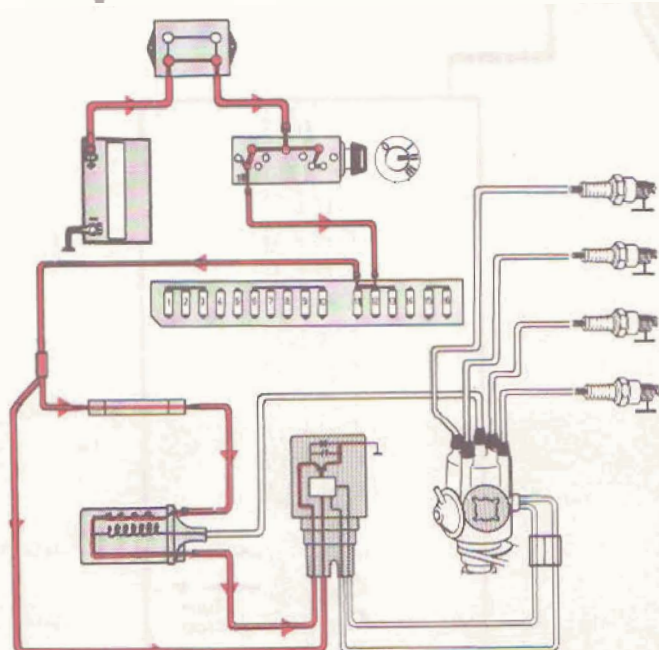
Breakerless electronic ignition system B21F



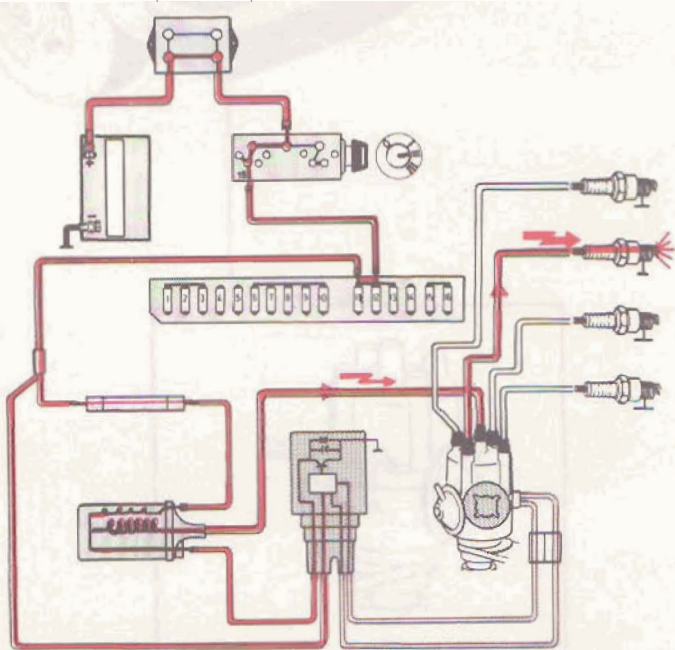
Legend:

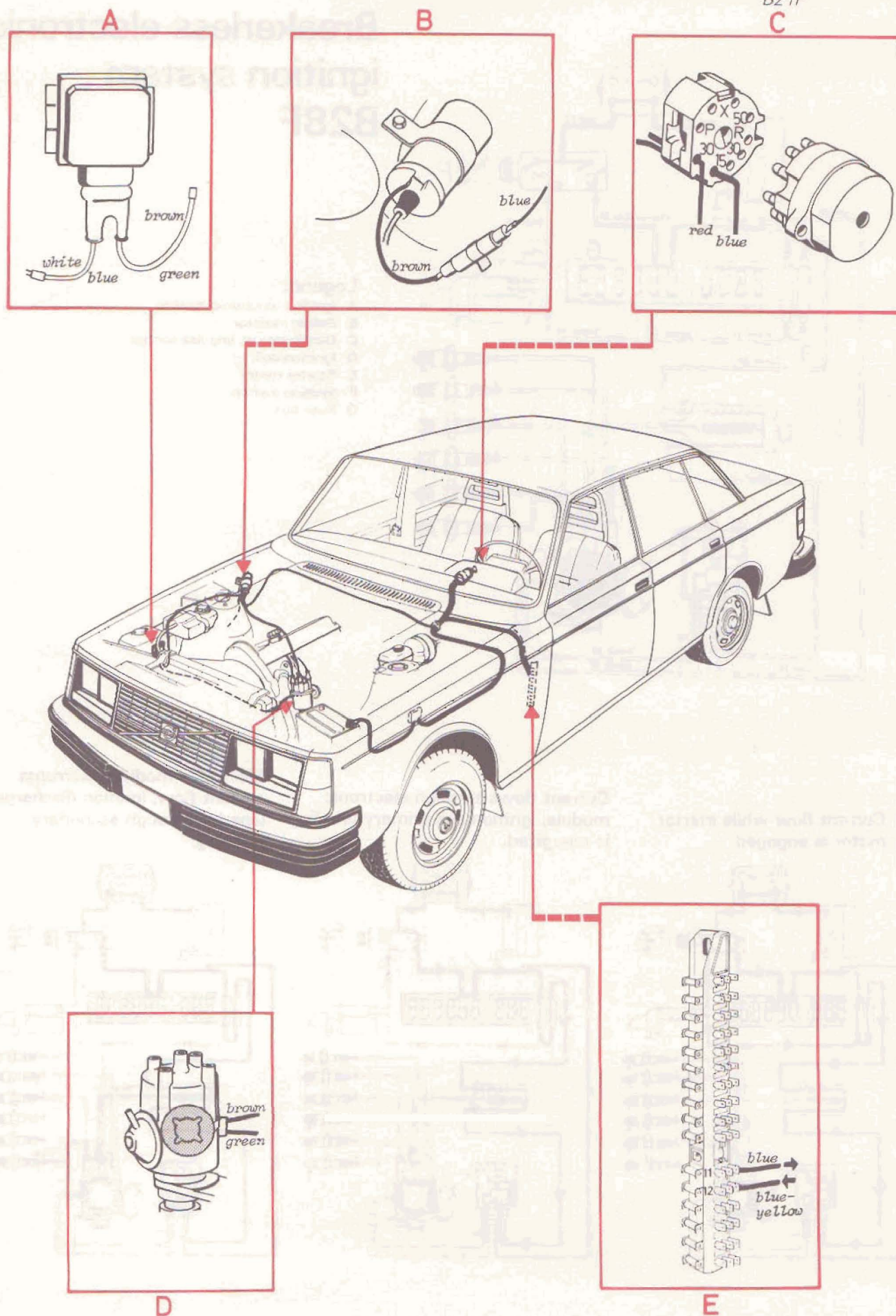
- A Ignition electronic module
- B Ignition coil with ballast resistor
- C Ignition switch
- D Distributor w. impulse sender
- E Fuse box

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

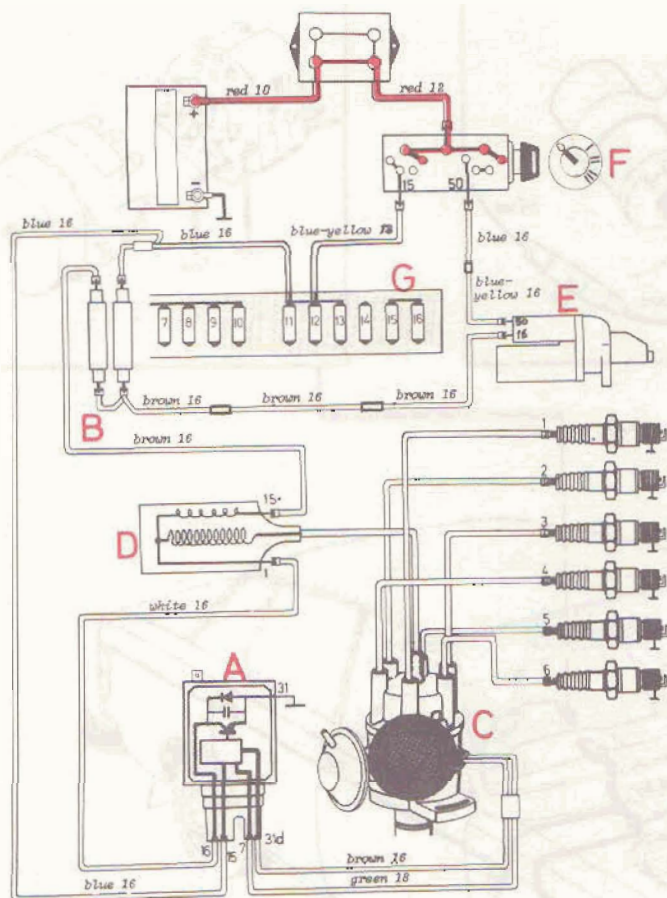


Electronic module interrupts current flow, ignition coil discharges (sparks) through secondary winding.





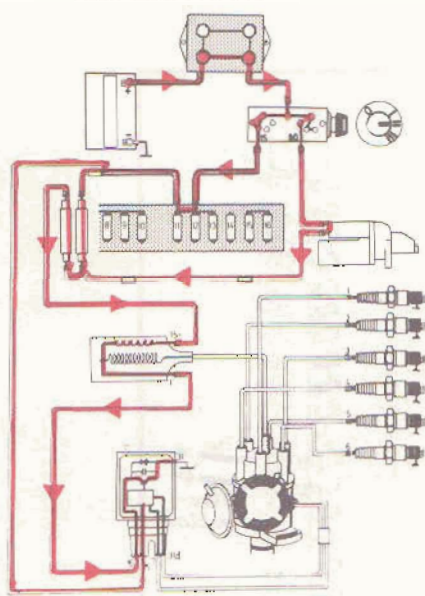
Breakerless electronic ignition system B28F



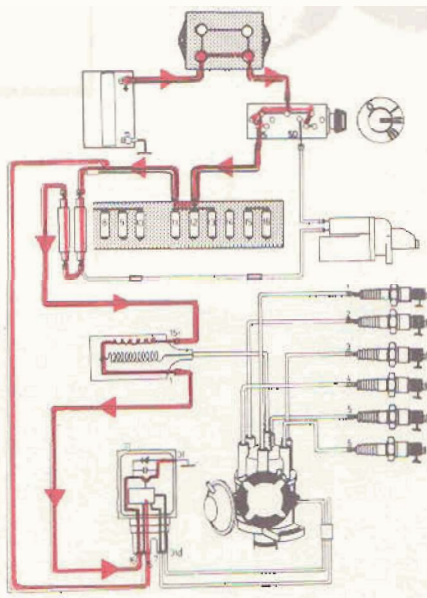
Legend:

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

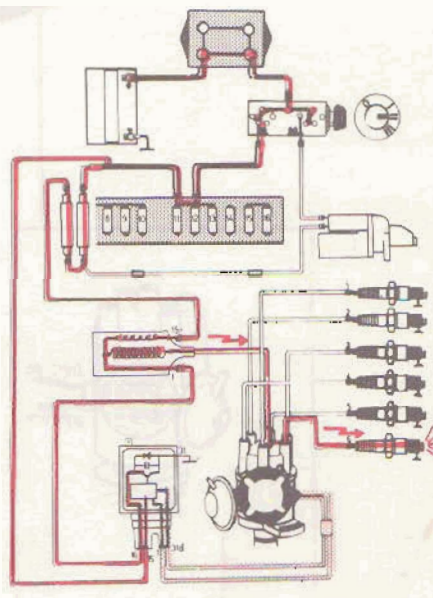
Current flow while starter
motor is engaged.

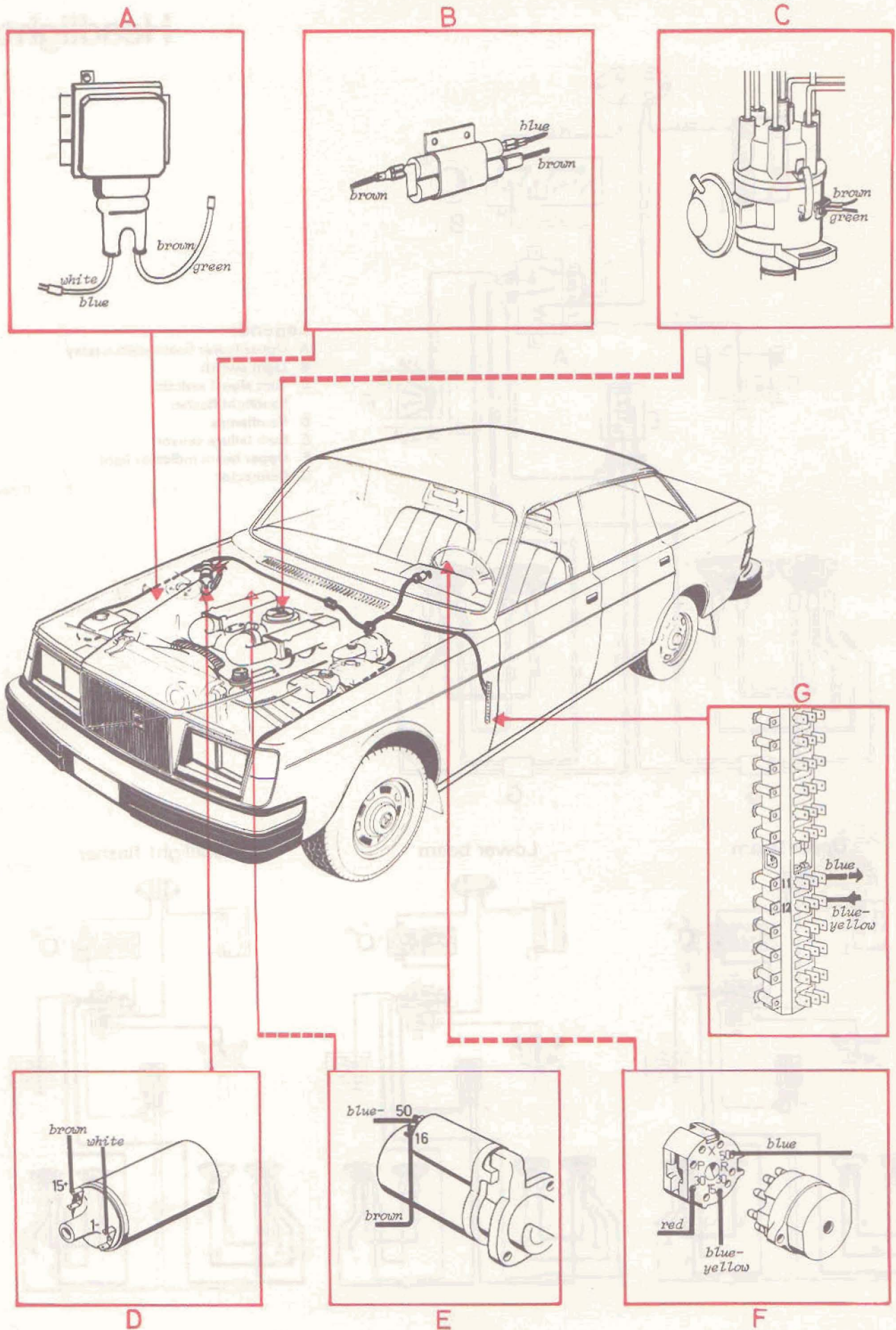


Current flows through electronic
module, ignition coil primary winding
is energized.

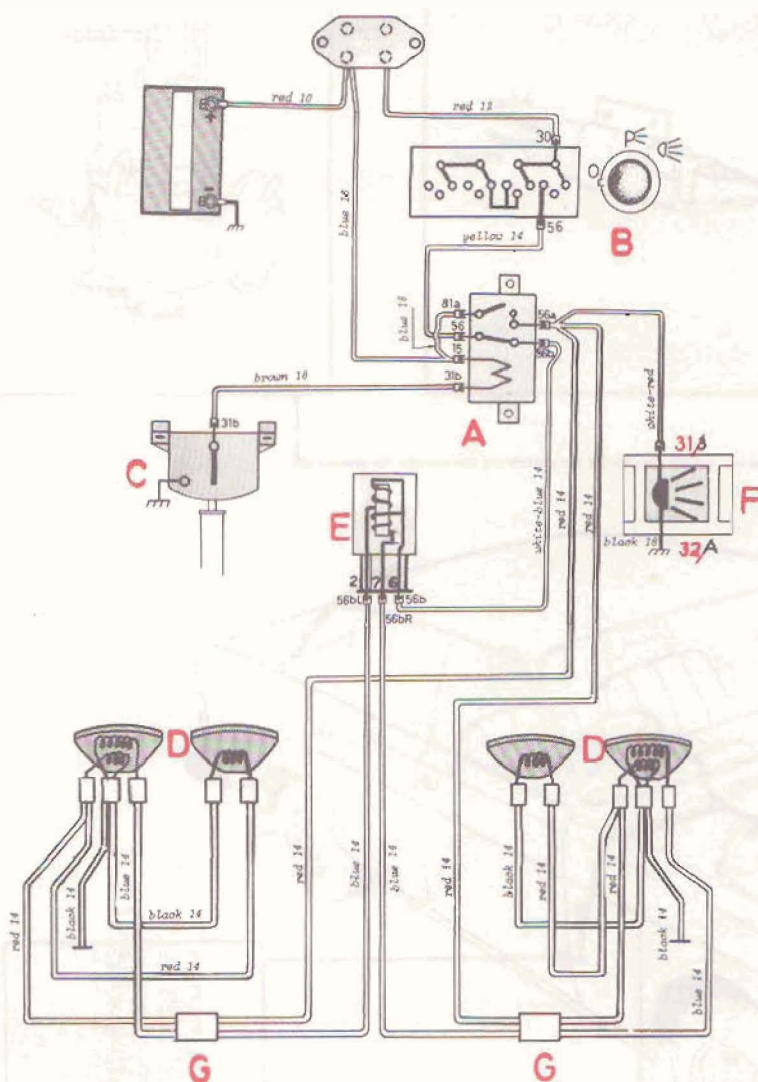


Electronic module interrupts
current flow, ignition discharges
(sparks) through secondary
winding.





Headlights



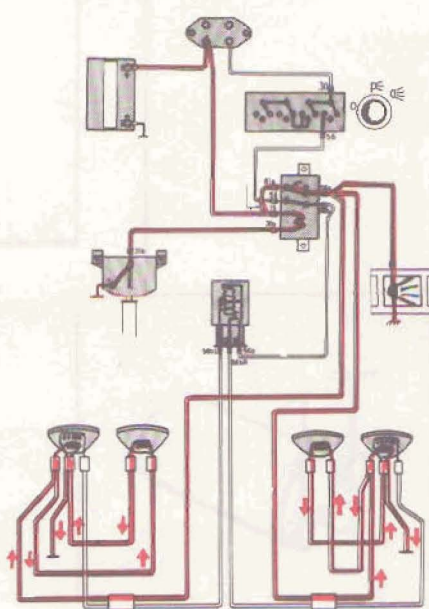
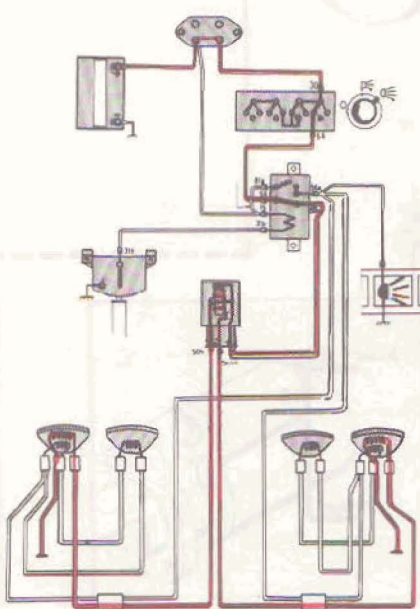
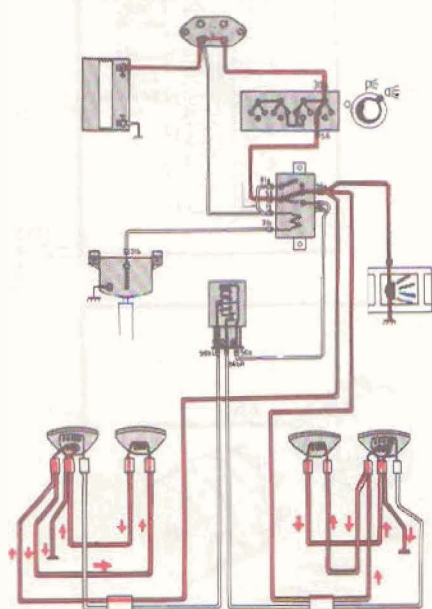
Legend:

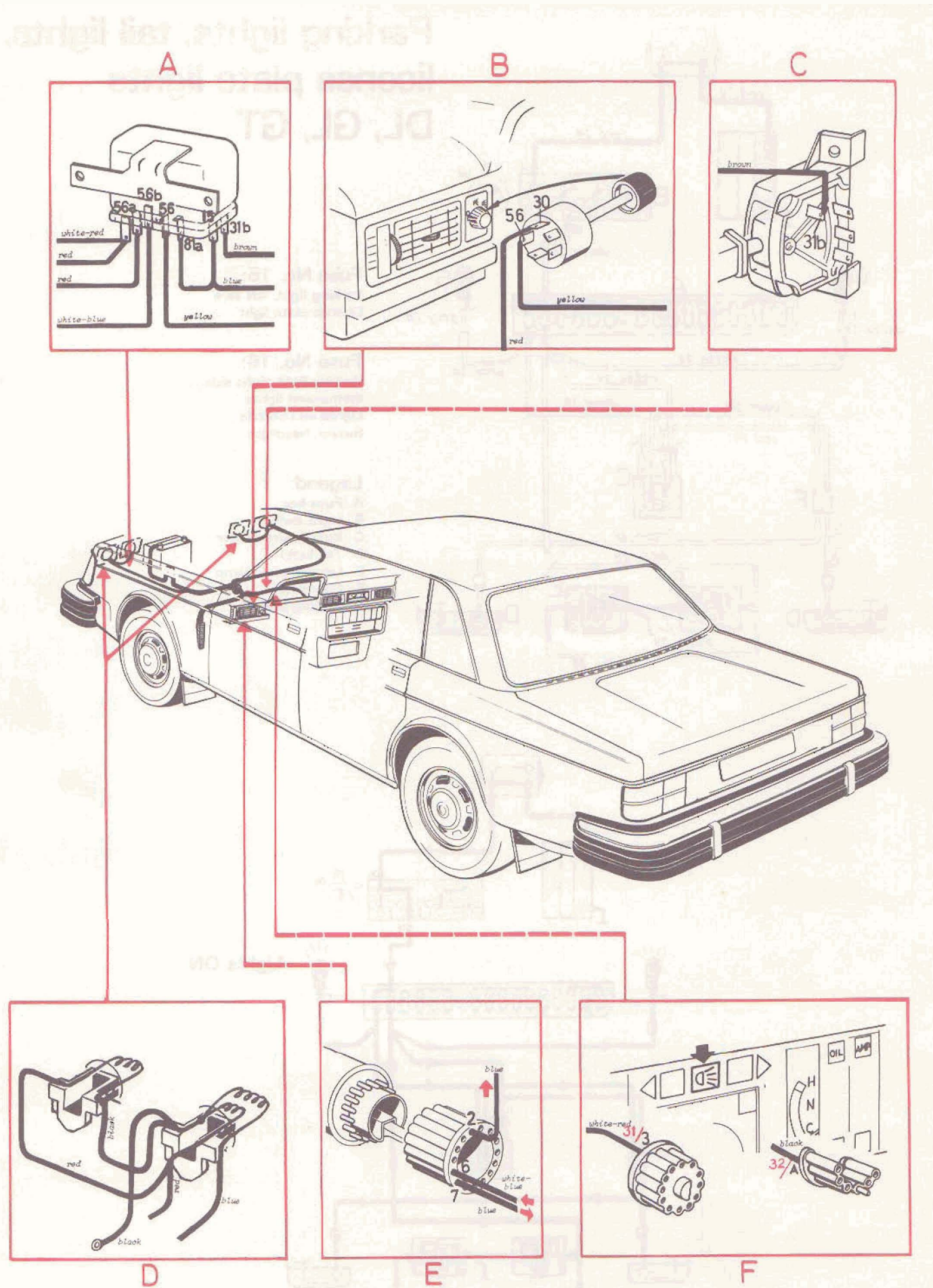
- A Upper/lower beam switch relay
- B Light switch
- C Turn signal switch/
headlight flasher
- D Headlamps
- E Bulb failure sensor
- F Upper beam indicator light
- G Connector

Upper beam

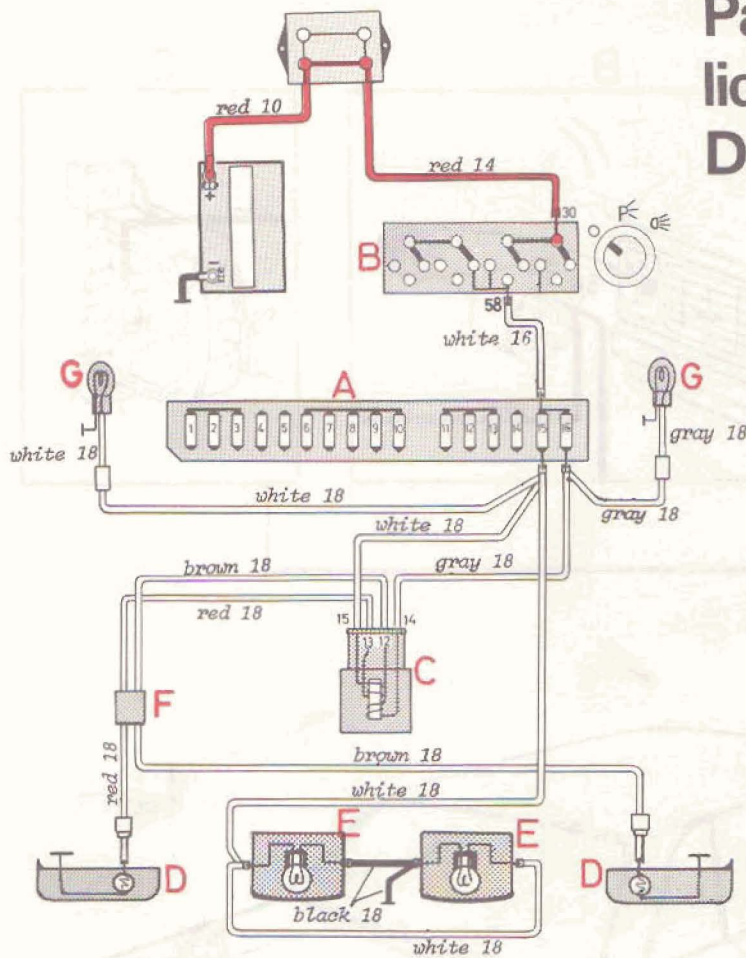
Lower beam

Headlight flasher





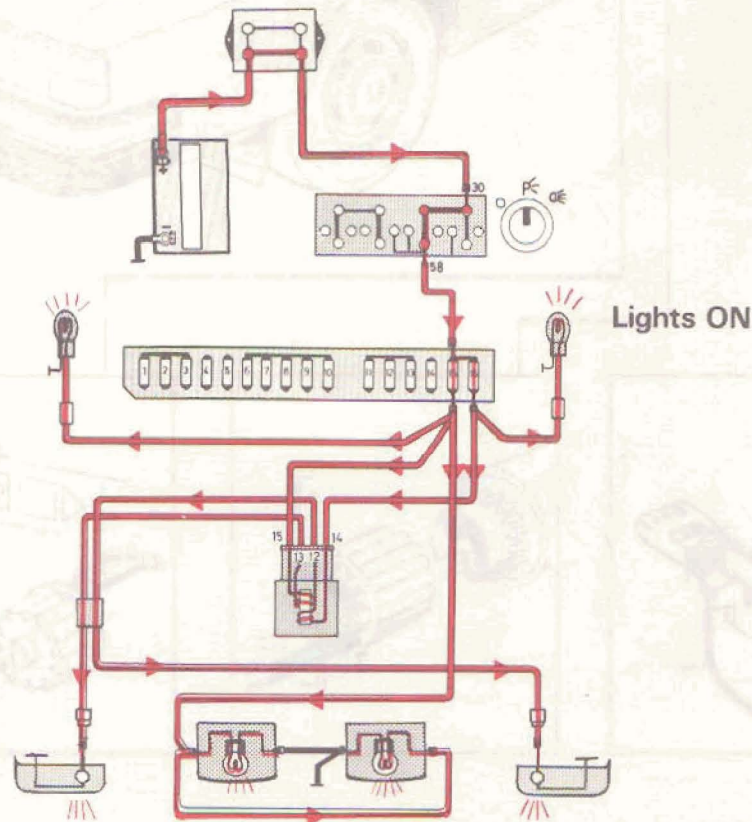
Parking lights, tail lights, license plate lights DL, GL, GT

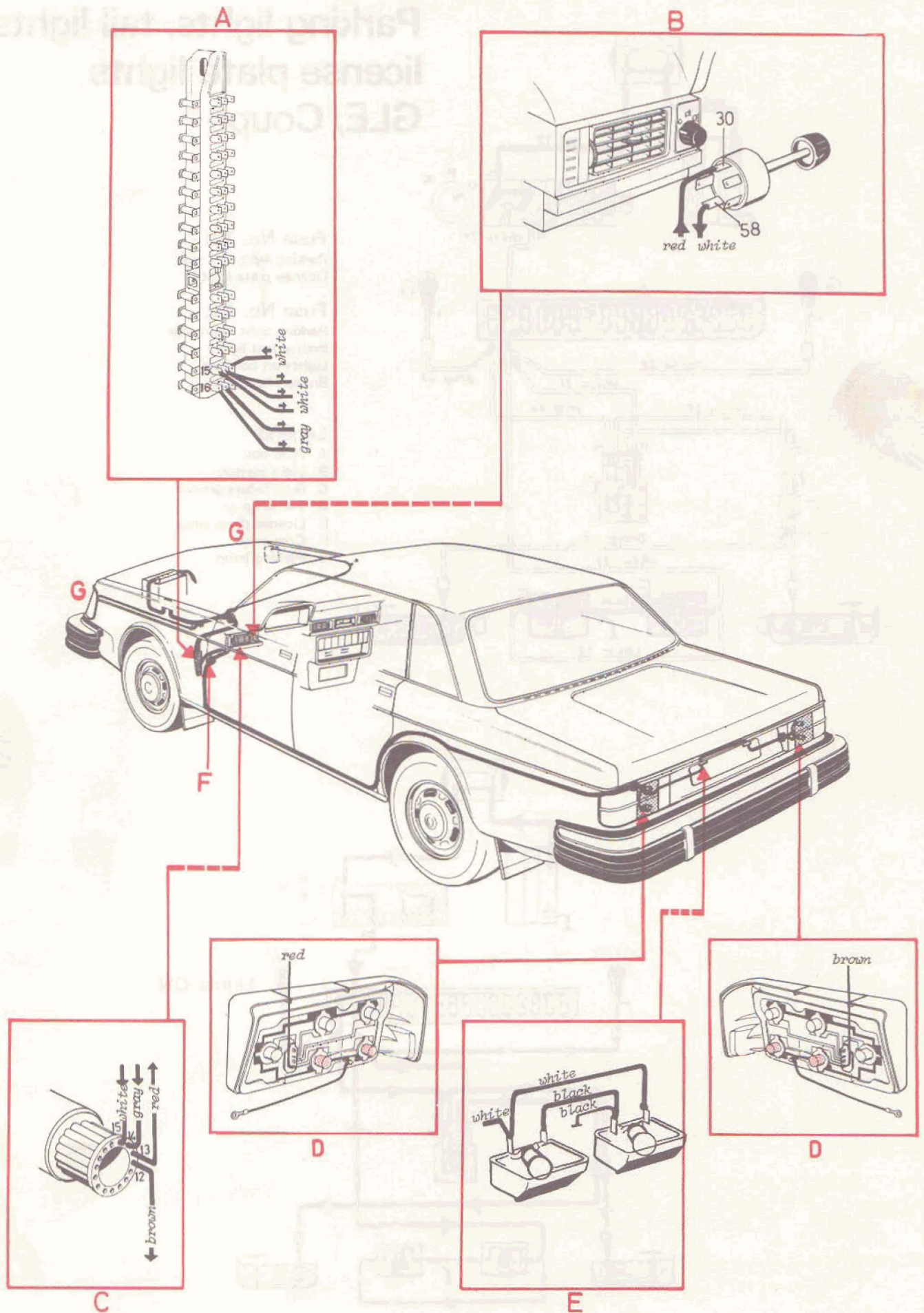


Fuse No. 15:
Parking light, left side
License plate light

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

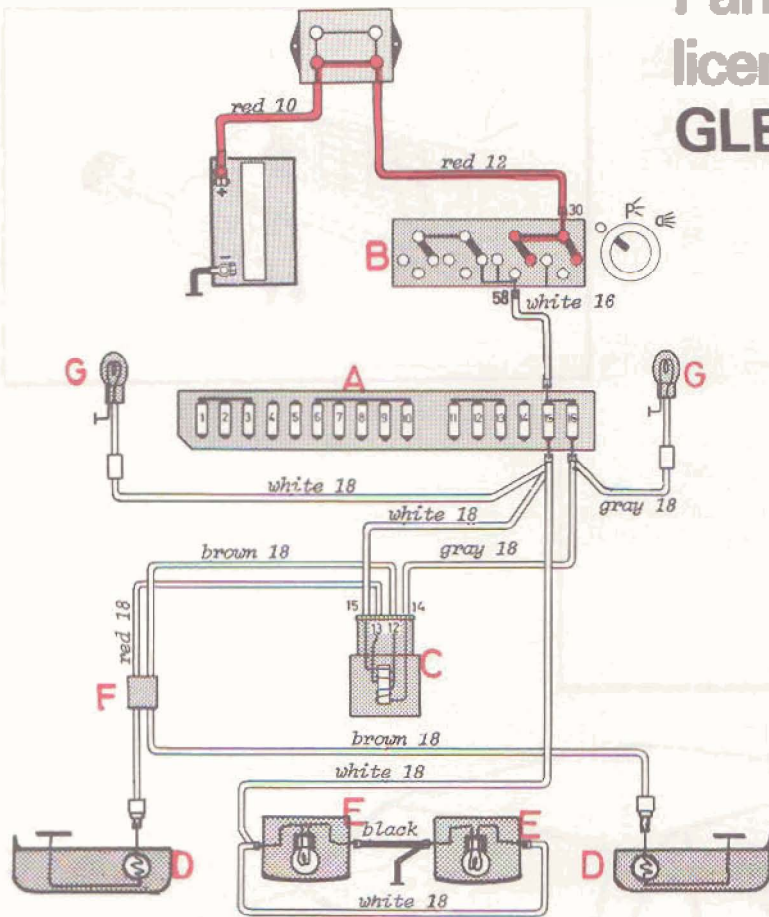
Legend:
A Fuse box
B Light switch
C Bulb failure sensor
D Tail lamp
E License plate lamp
F Connector
G Parking lamps





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

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

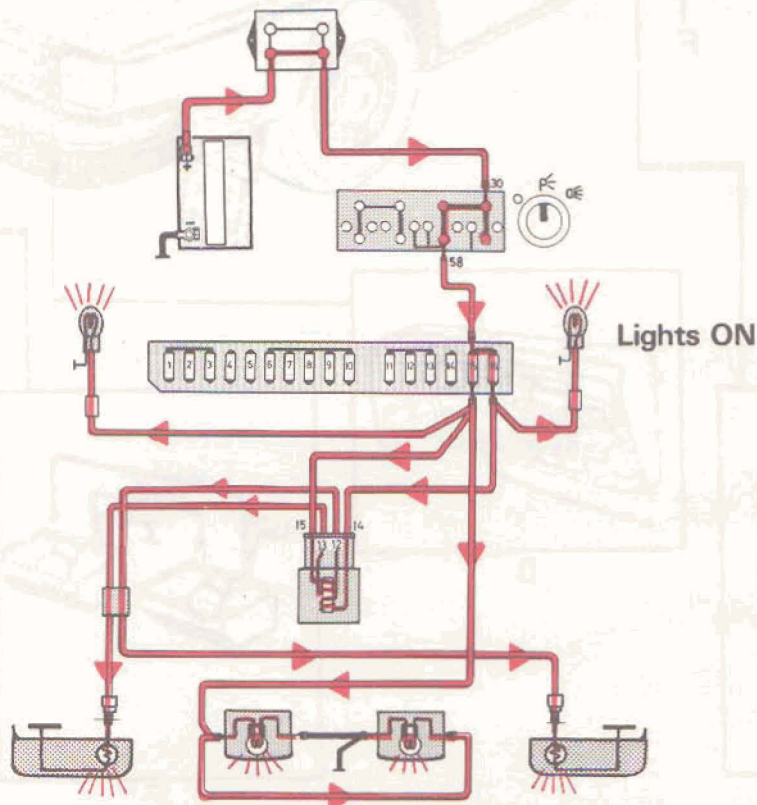


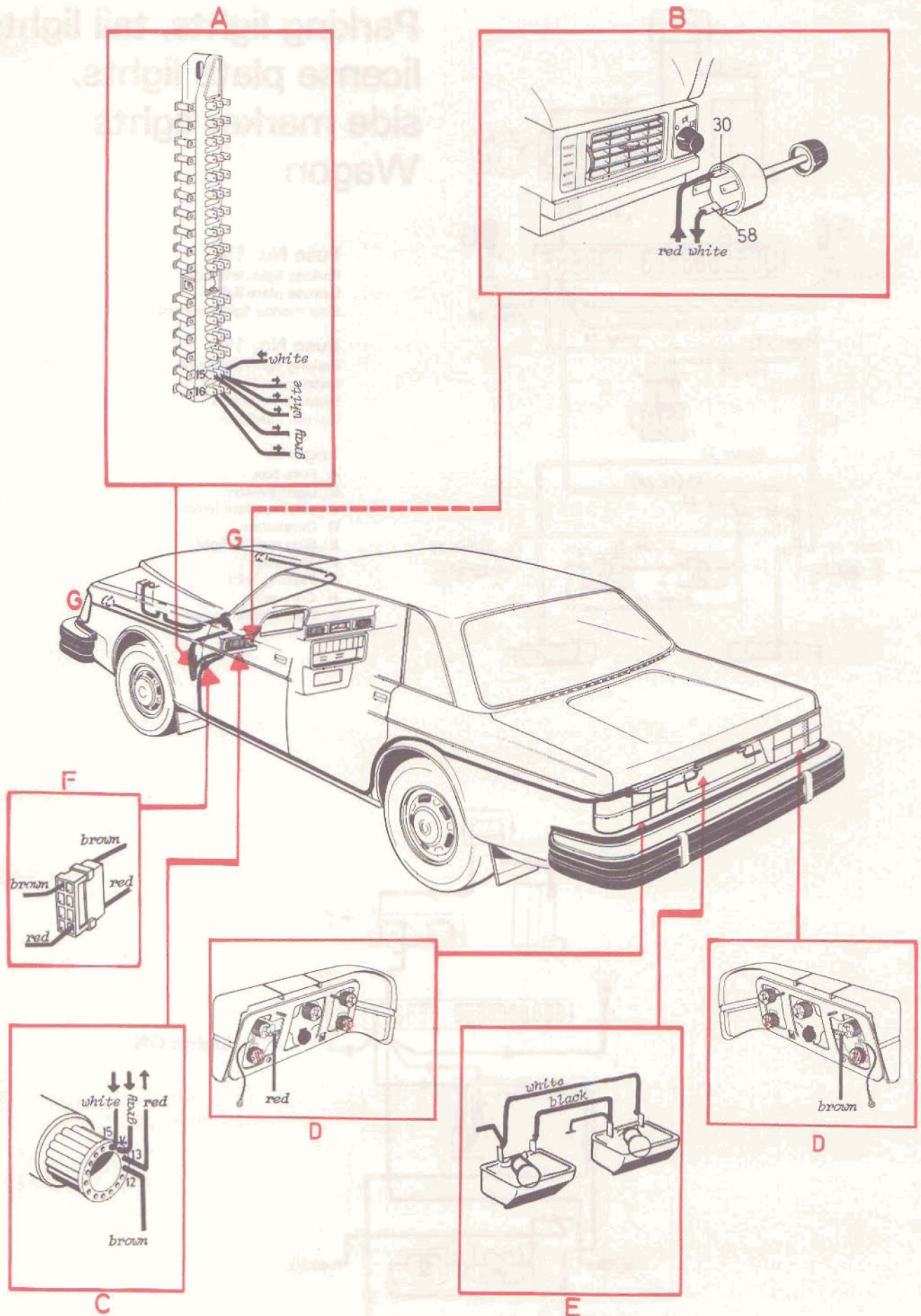
Fuse No. 15:
Parking light, left side
License plate light

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

Legend:

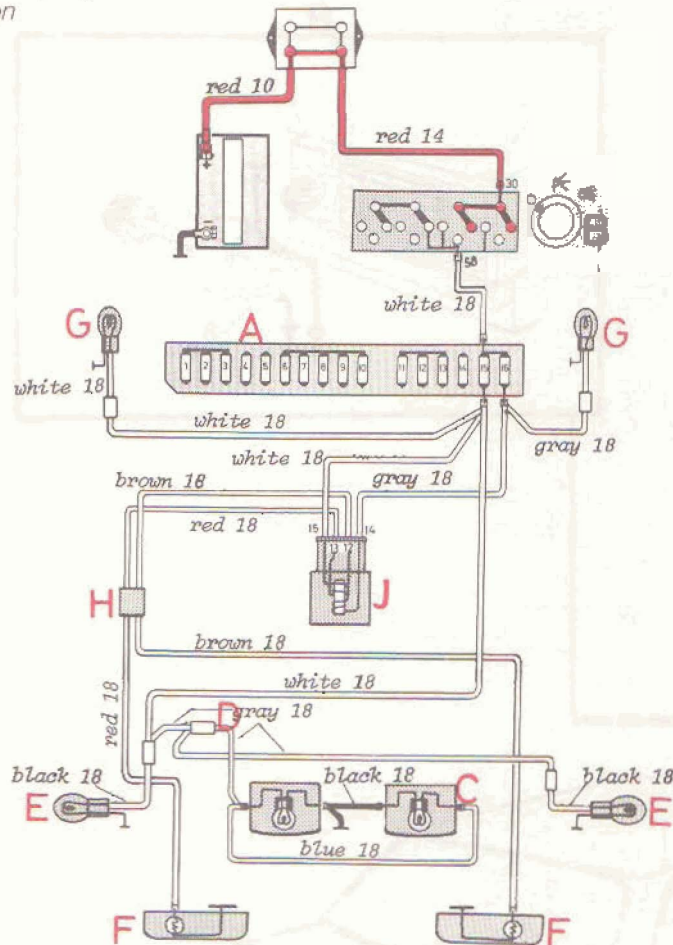
- A Fuse box
- B Light switch
- C Bulb failure sensor
- D Tail lamp
- E License plate lamp
- F Connector
- G Parking lamp





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

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

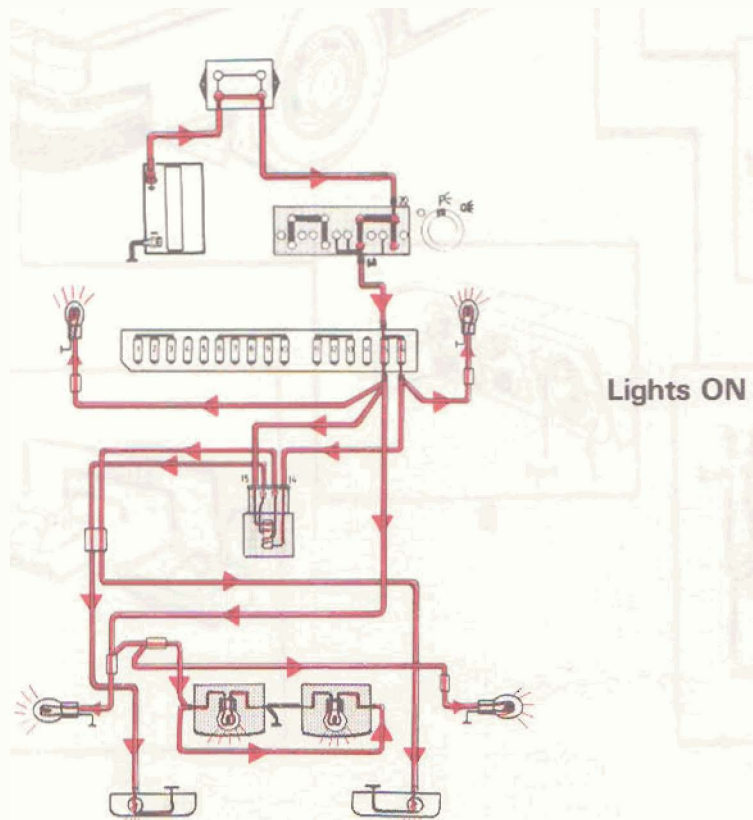


Fuse No. 15:
Parking light, left side
License plate light
Side marker light (wagon)

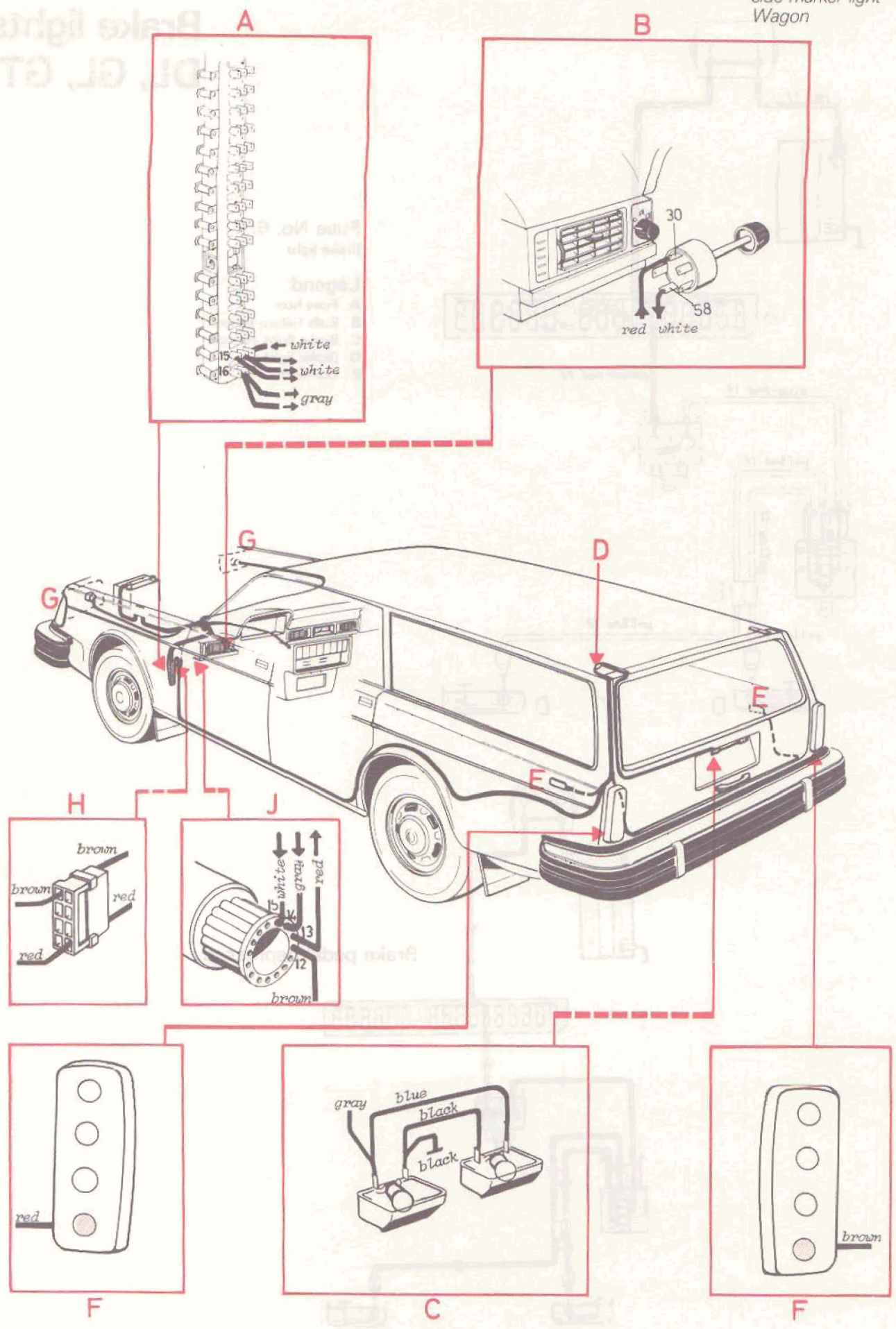
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

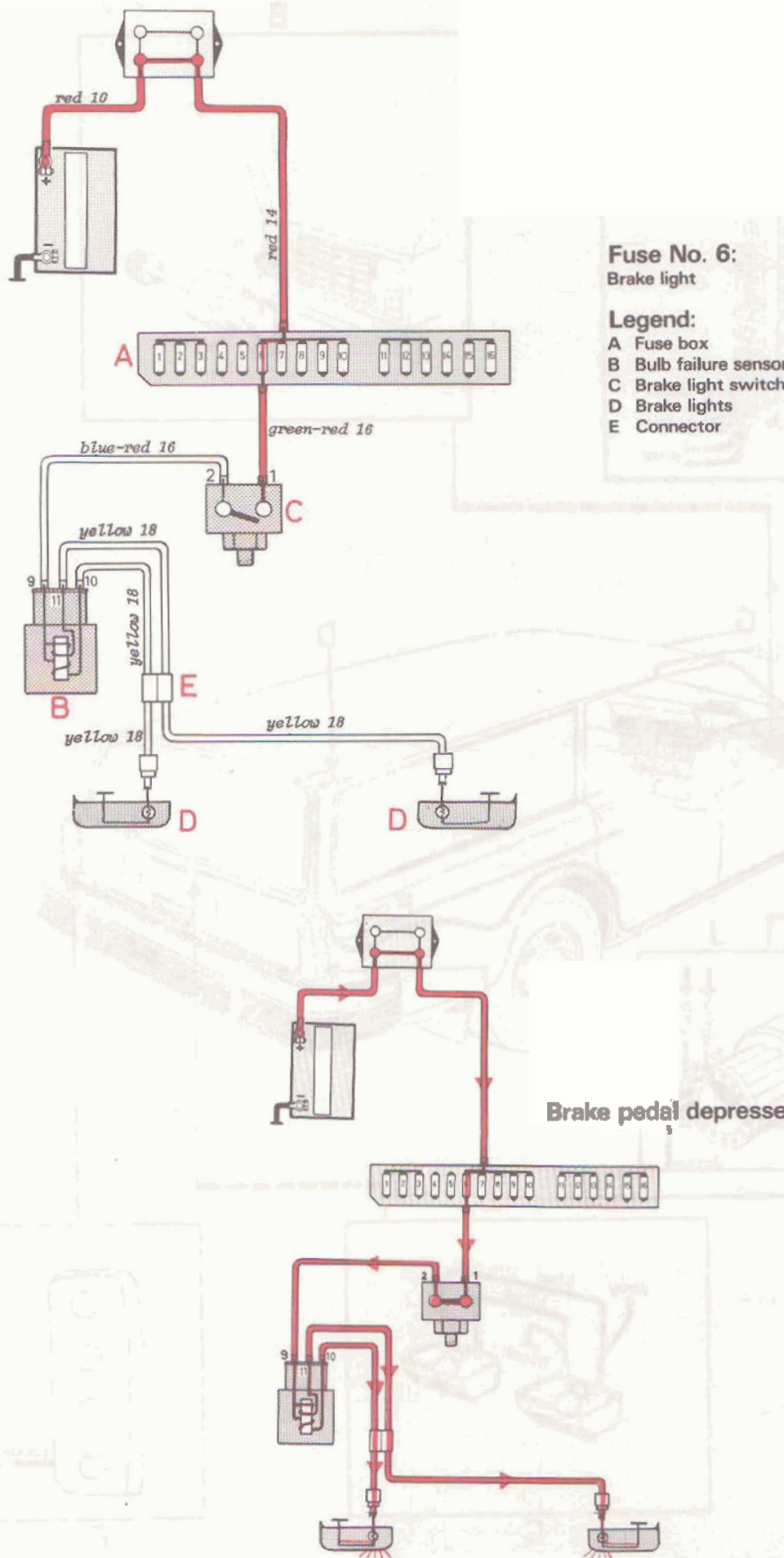
- A Fuse box
- B Light switch
- C License plate lamp
- D Connector
- E Side marker light
- F Tail lamp
- G Parking light
- H Connector
- J Bulb failure sensor

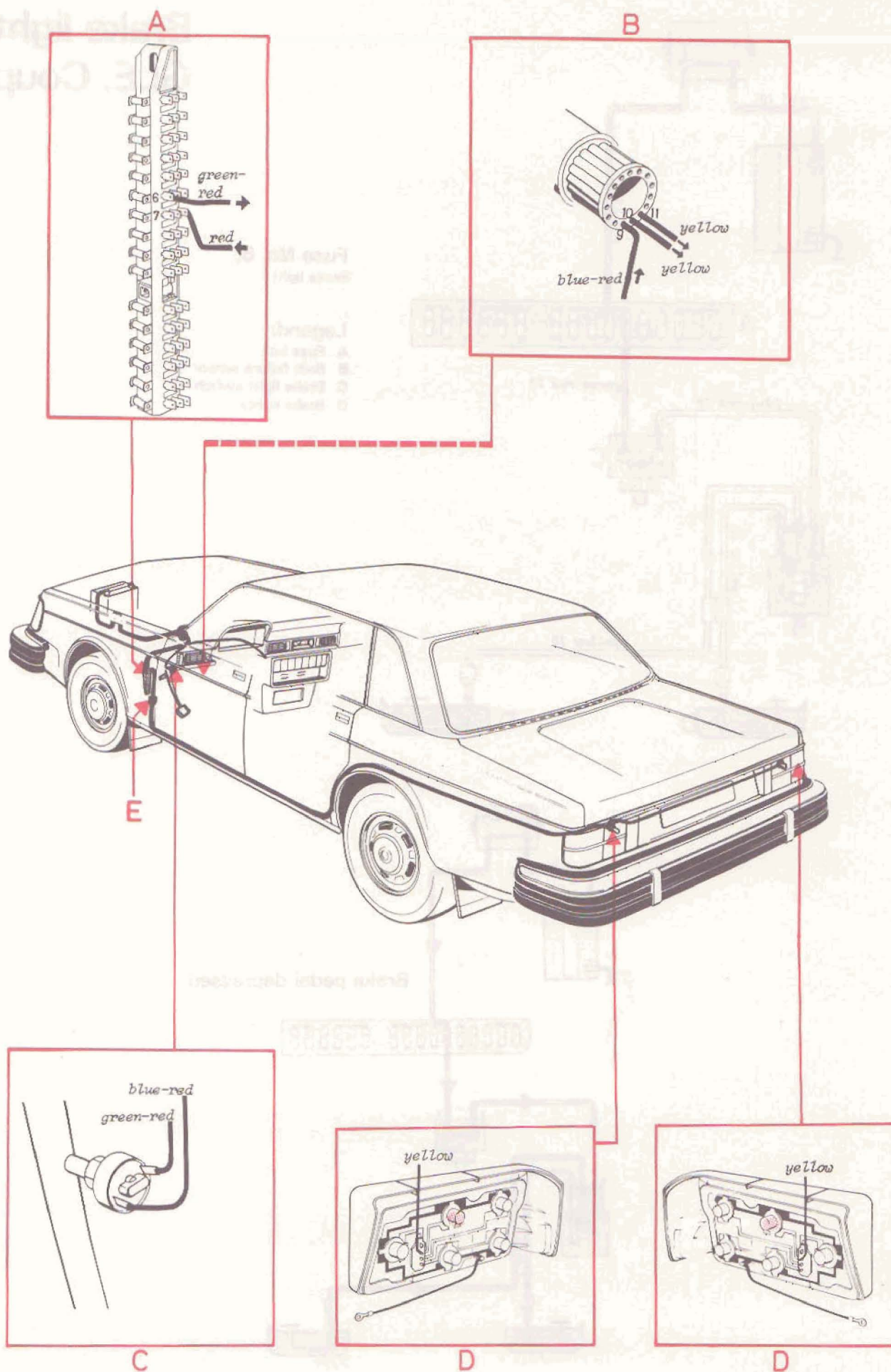


Parking lights, tail lights
license plate lights,
side marker light
Wagon

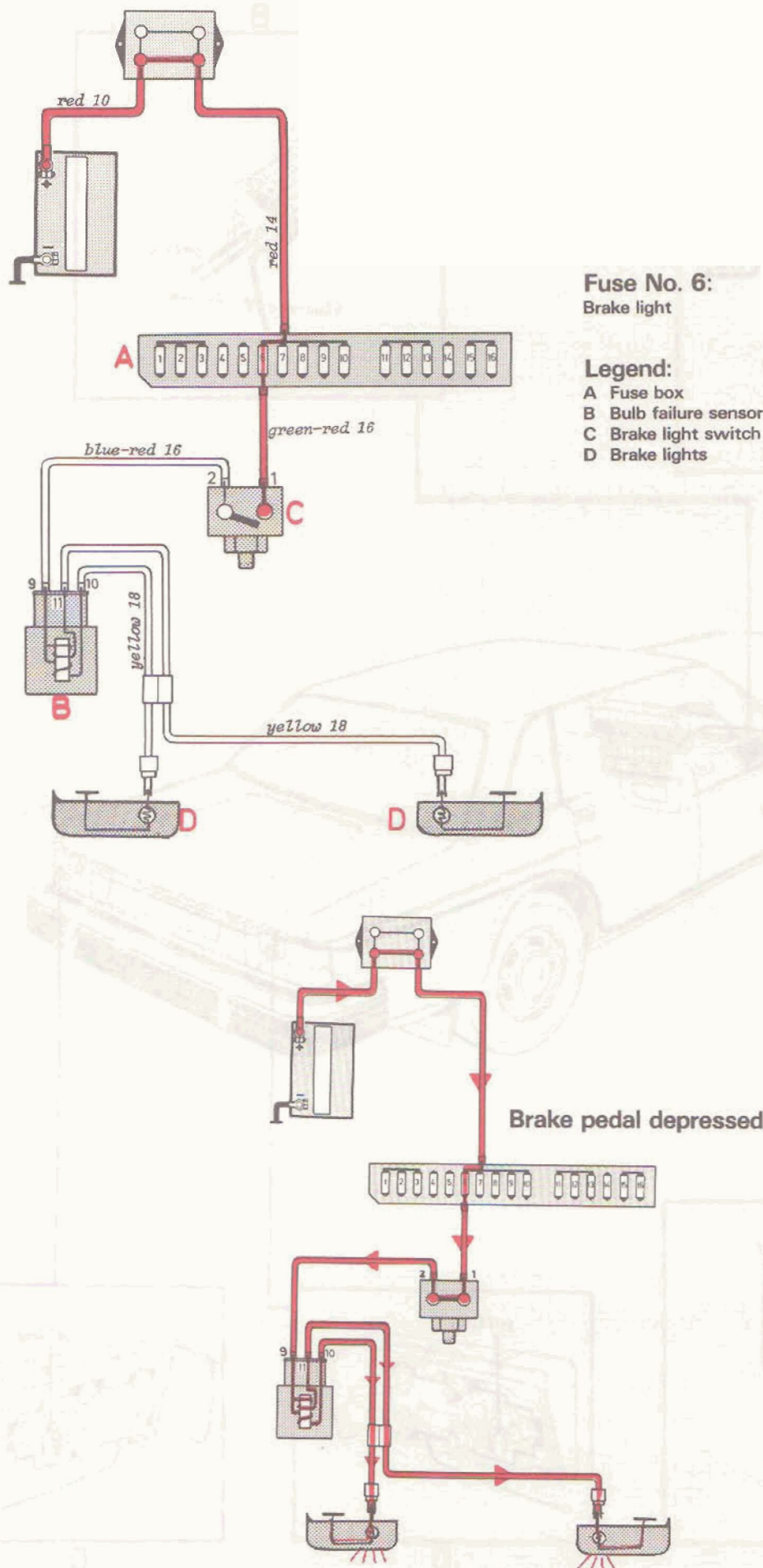


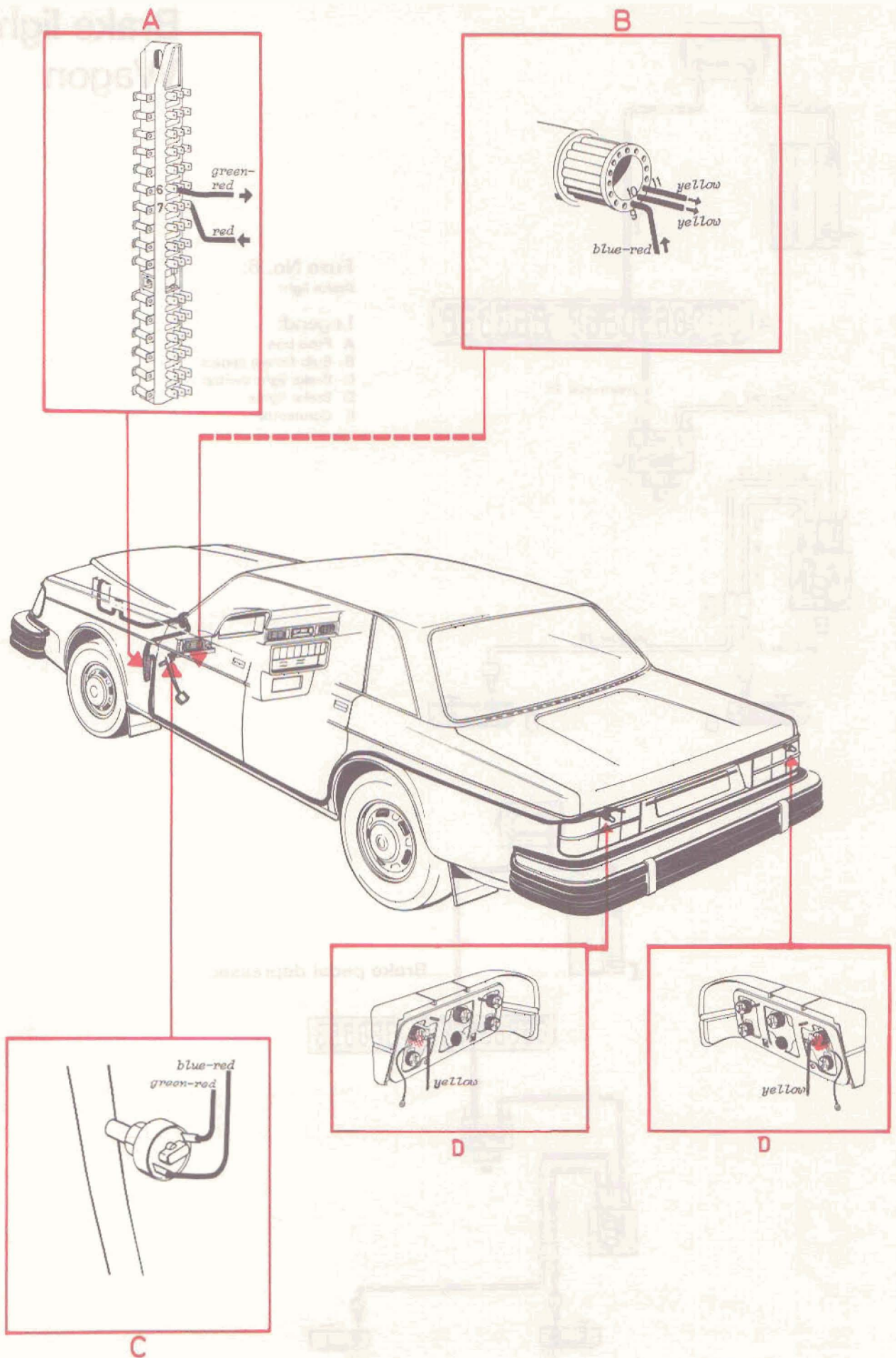
Brake lights DL, GL, GT



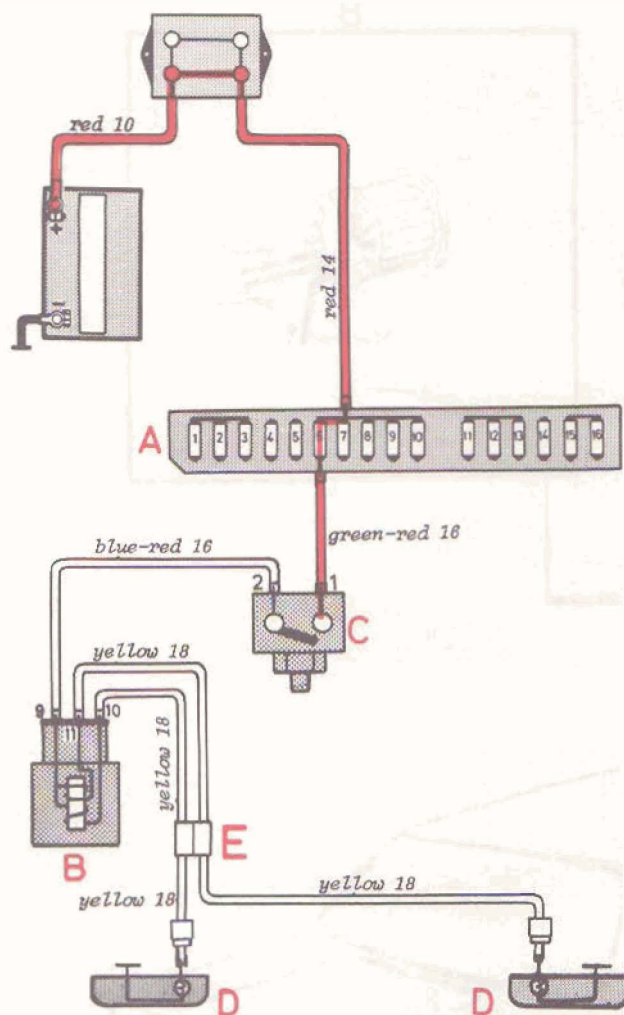


Brake lights GLE, Coupe





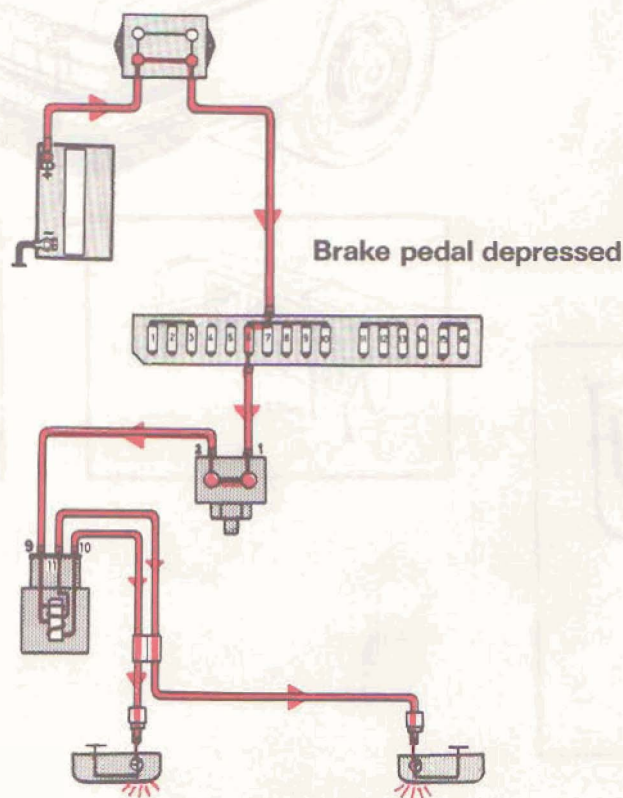
Brake lights Wagon

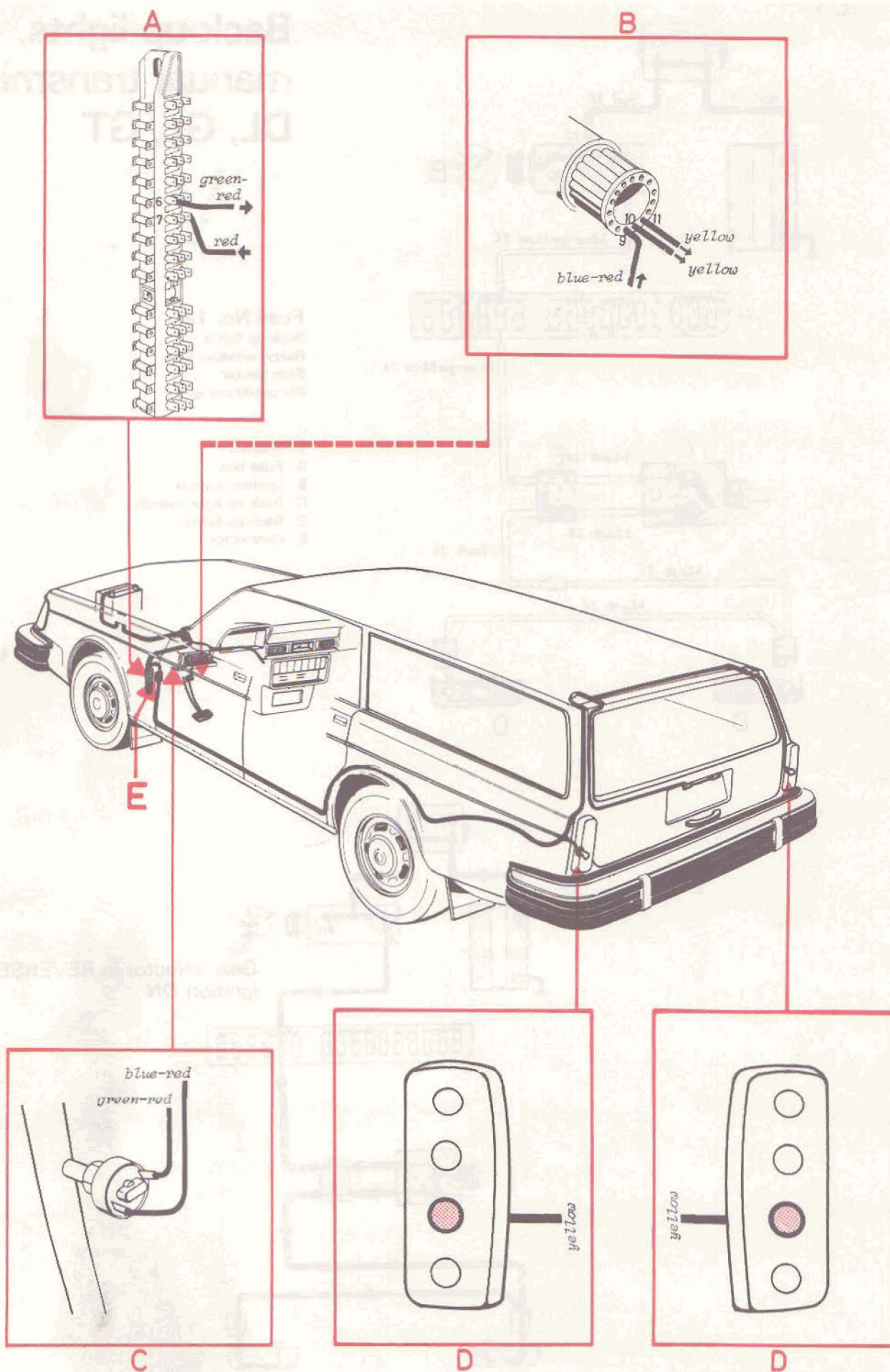


Fuse No. 6:
Brake light

Legend:

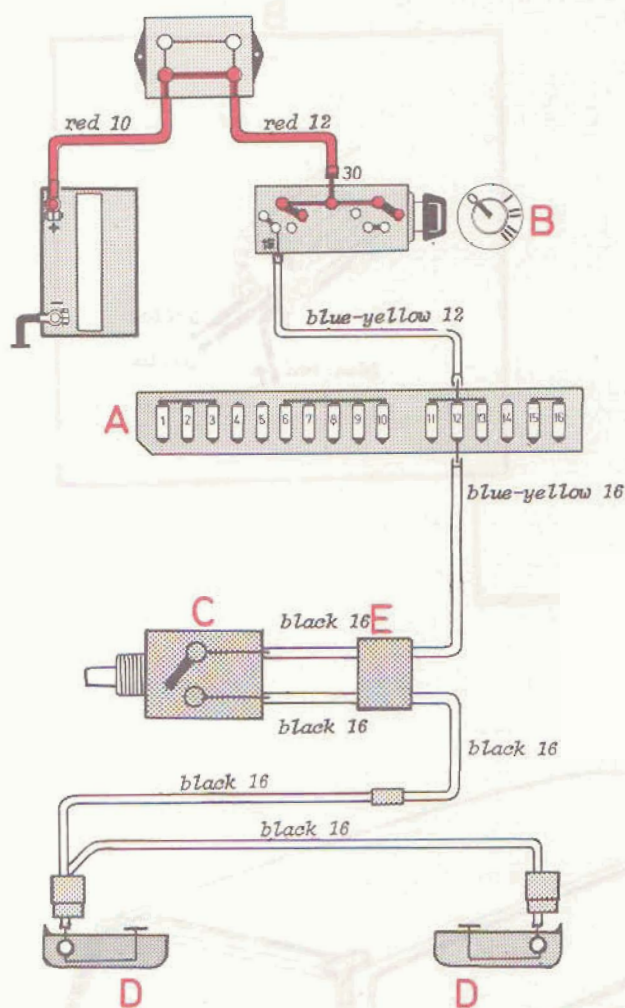
- A Fuse box
- B Bulb failure sensor
- C Brake light switch
- D Brake lights
- E Connector





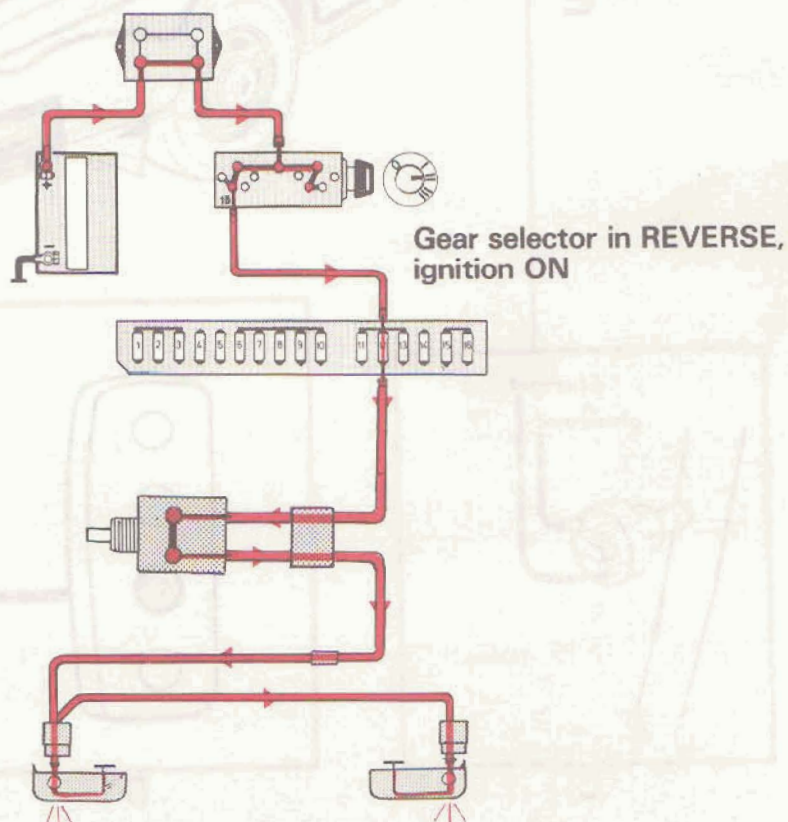
Back-up lights,
manual transmission
DL, GL, GT

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

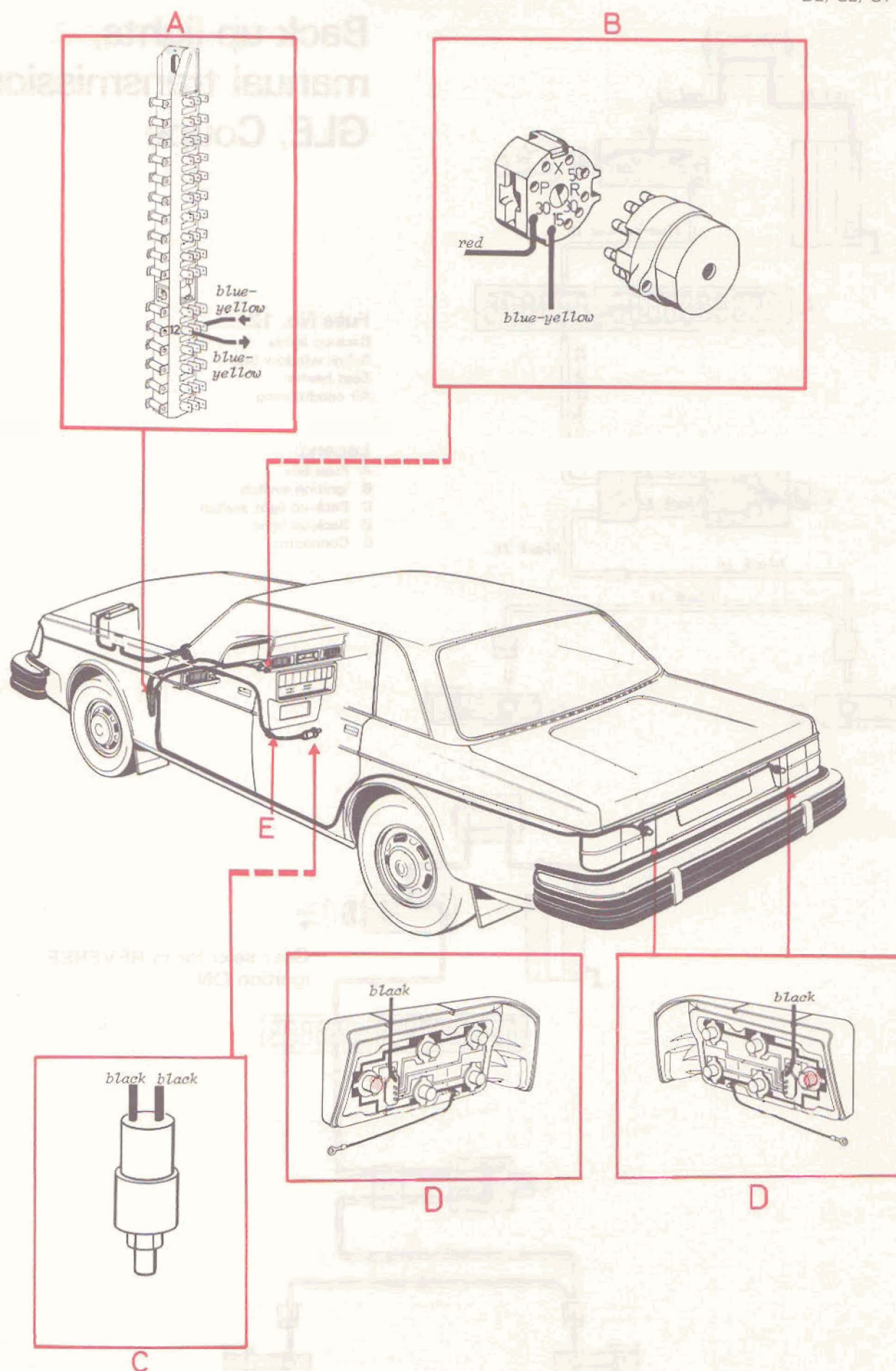


Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

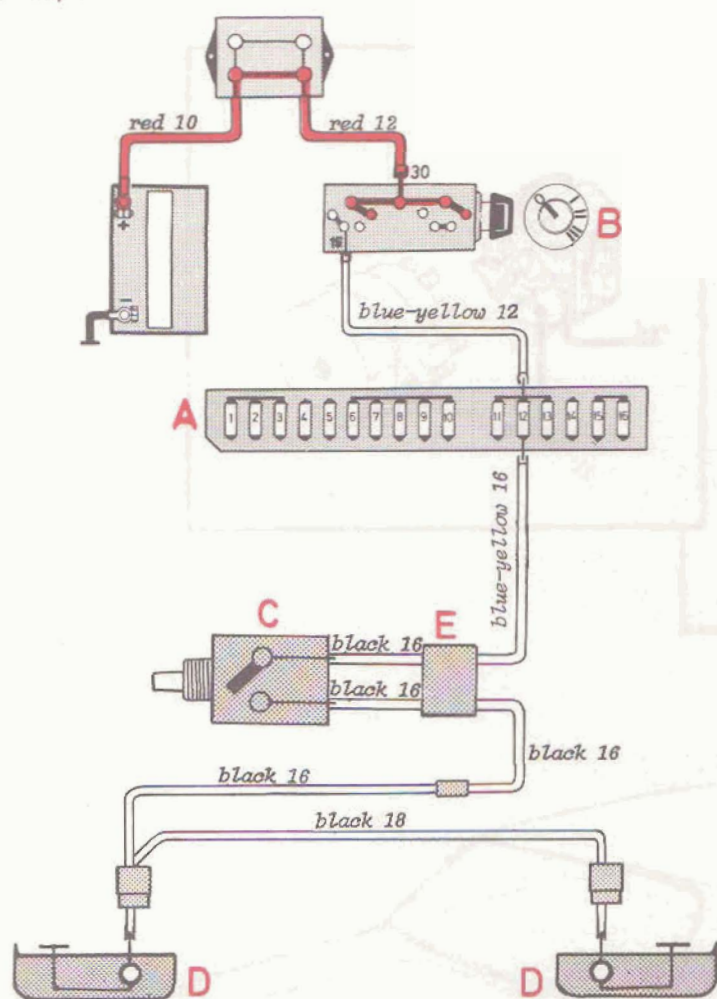
Legend:
A Fuse box
B Ignition switch
C Back-up light switch
D Back-up lights
E Connector



**Gear selector in REVERSE,
ignition ON**



Back-up lights, manual transmission GLE, Coupe

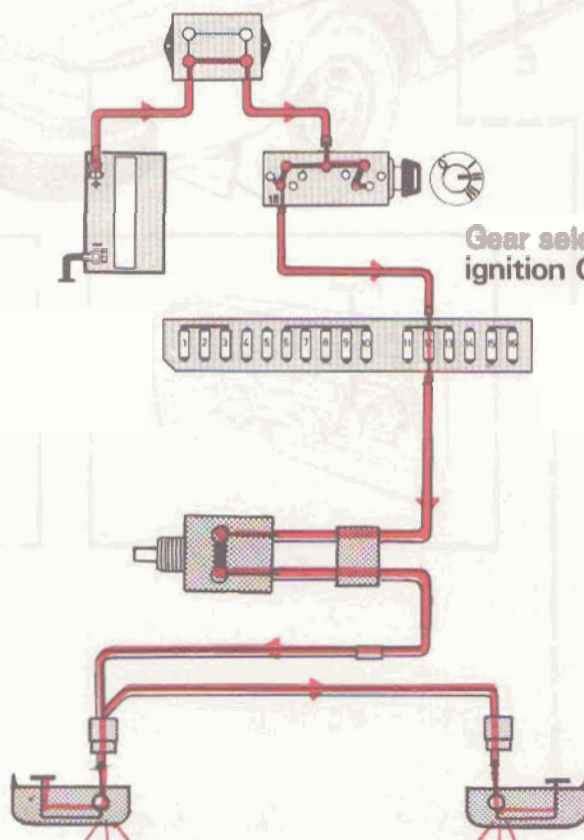


Fuse No. 12:

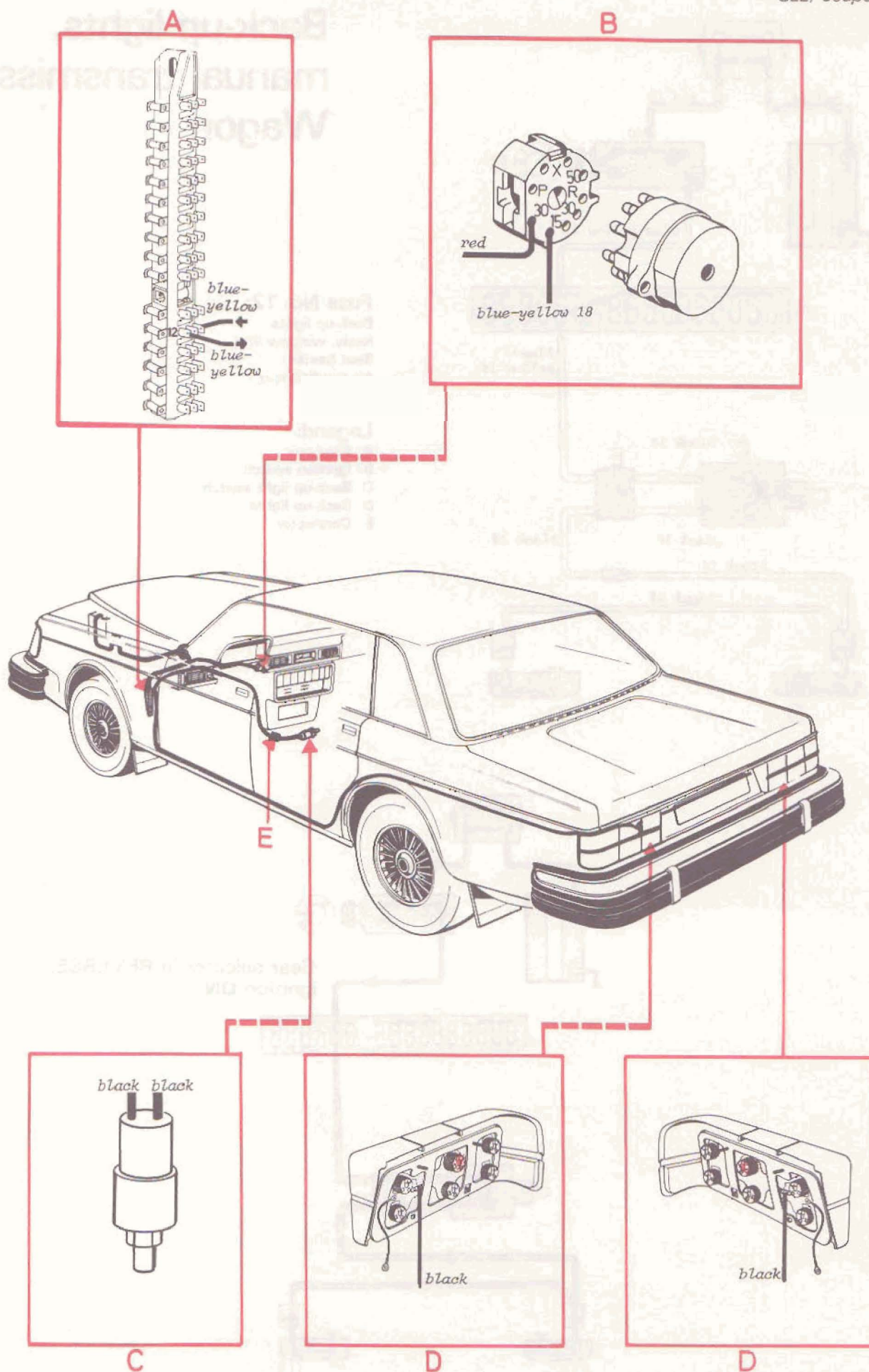
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

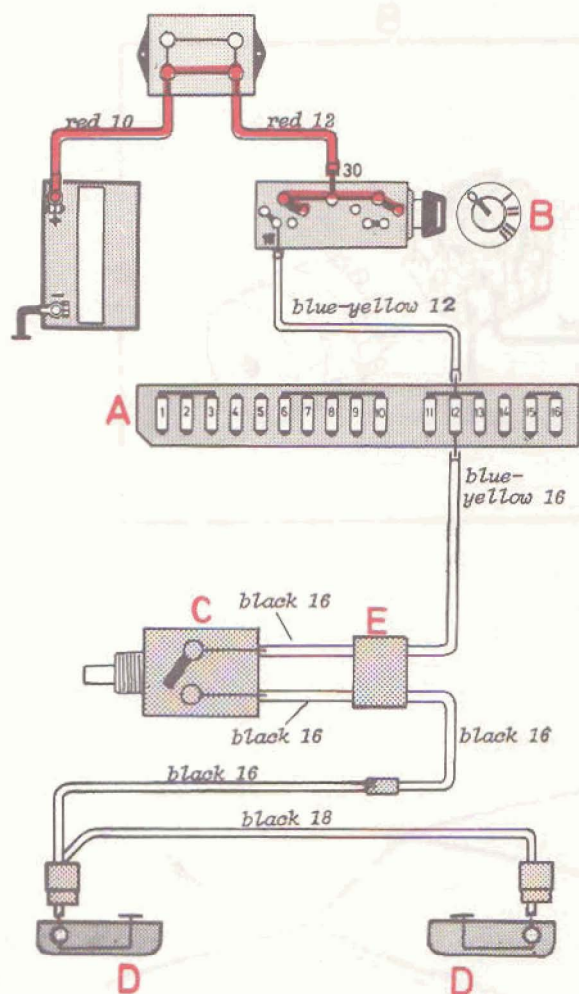
- A Fuse box
- B Ignition switch
- C Back-up light switch
- D Back-up light
- E Connector



**Gear selector in REVERSE,
ignition ON**



Back-up lights, manual transmission Wagon

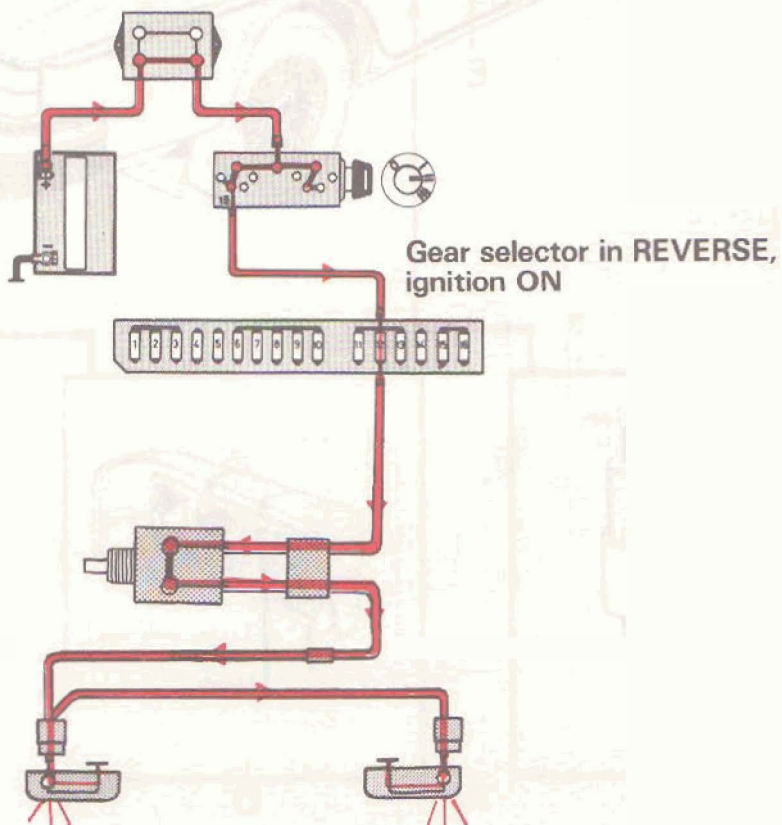


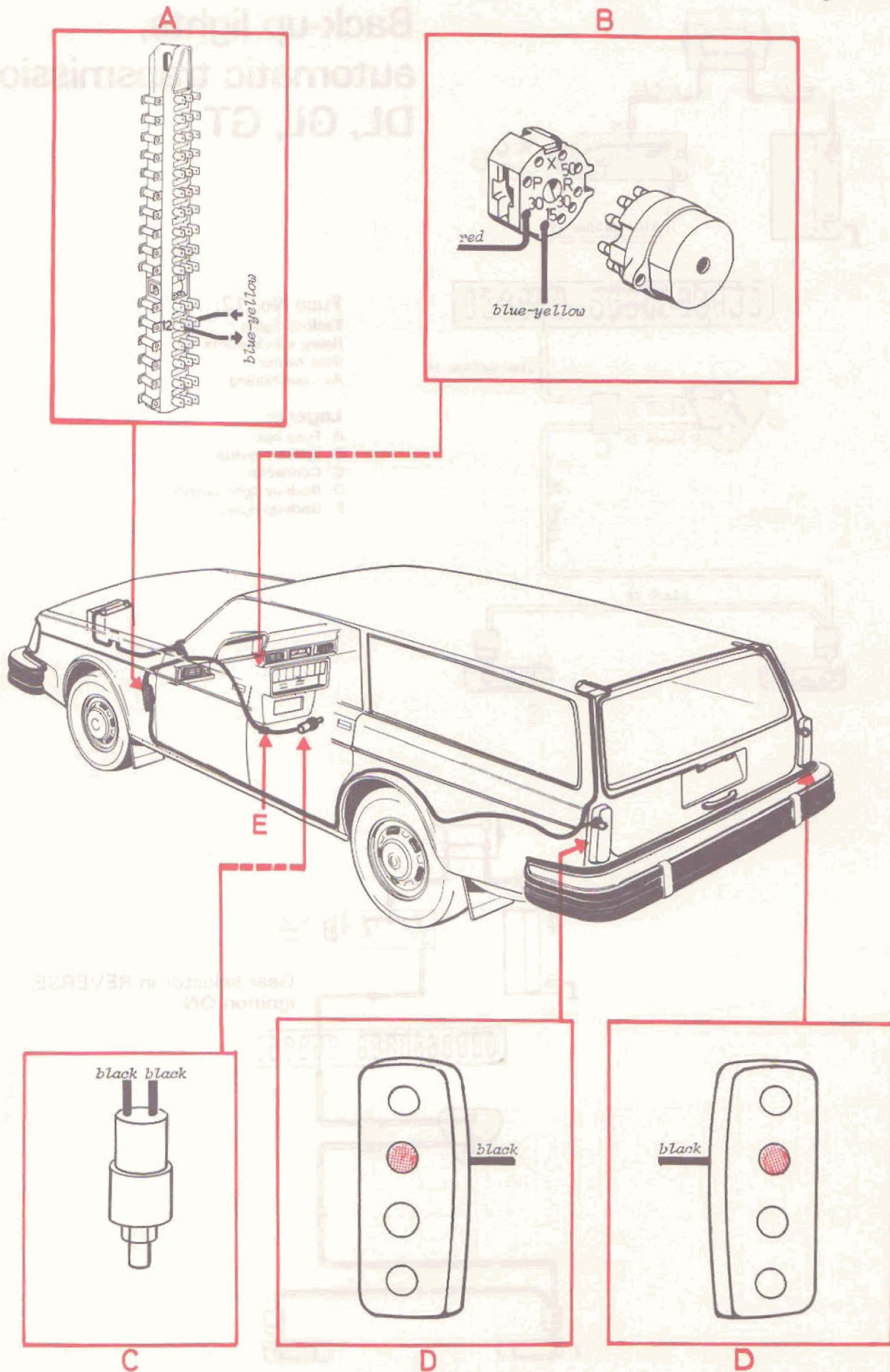
Fuse No. 12:

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

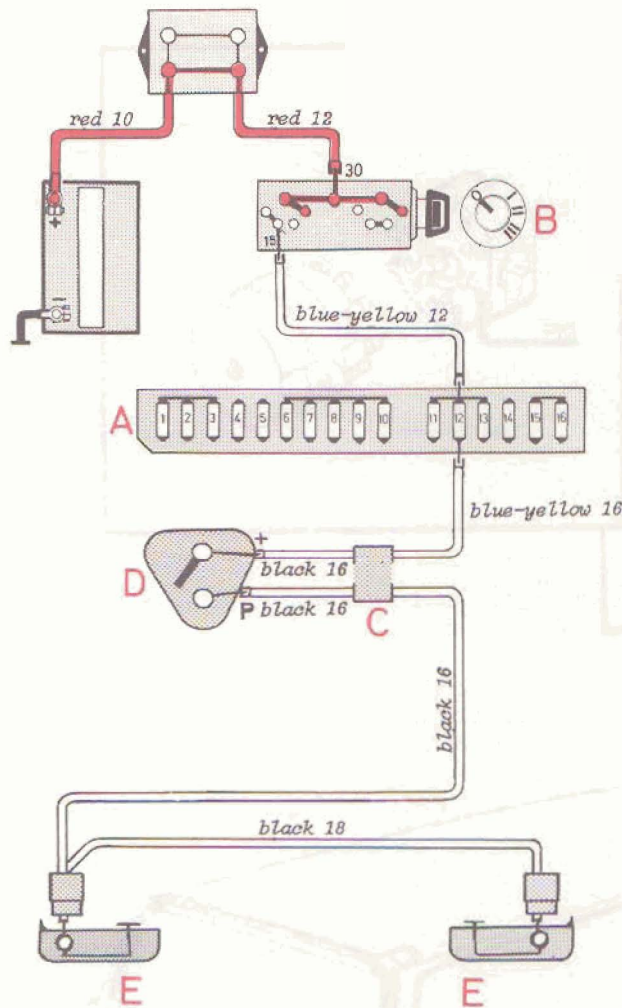
Legend:

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





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

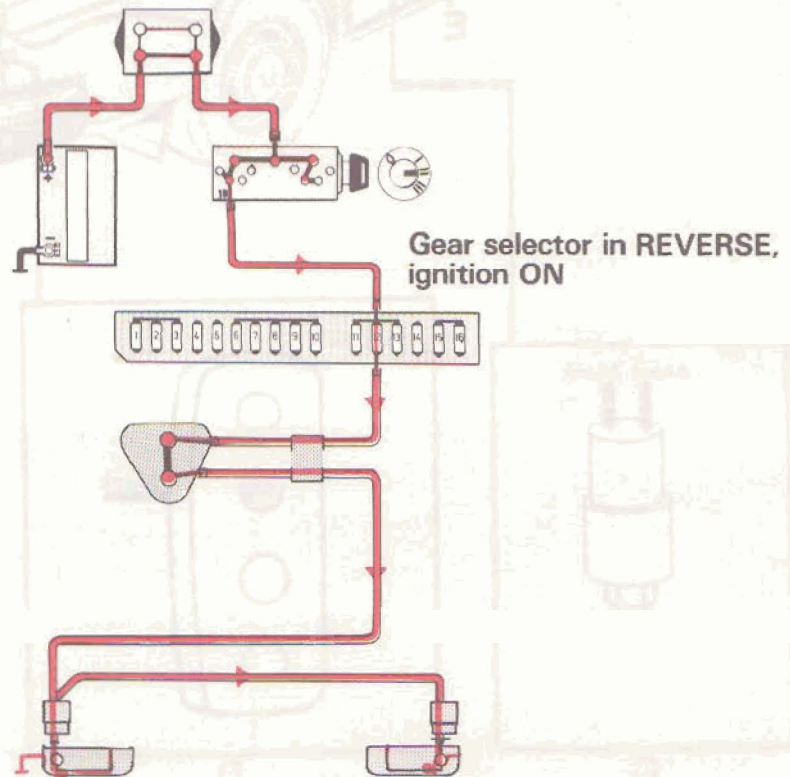


Fuse No. 12:

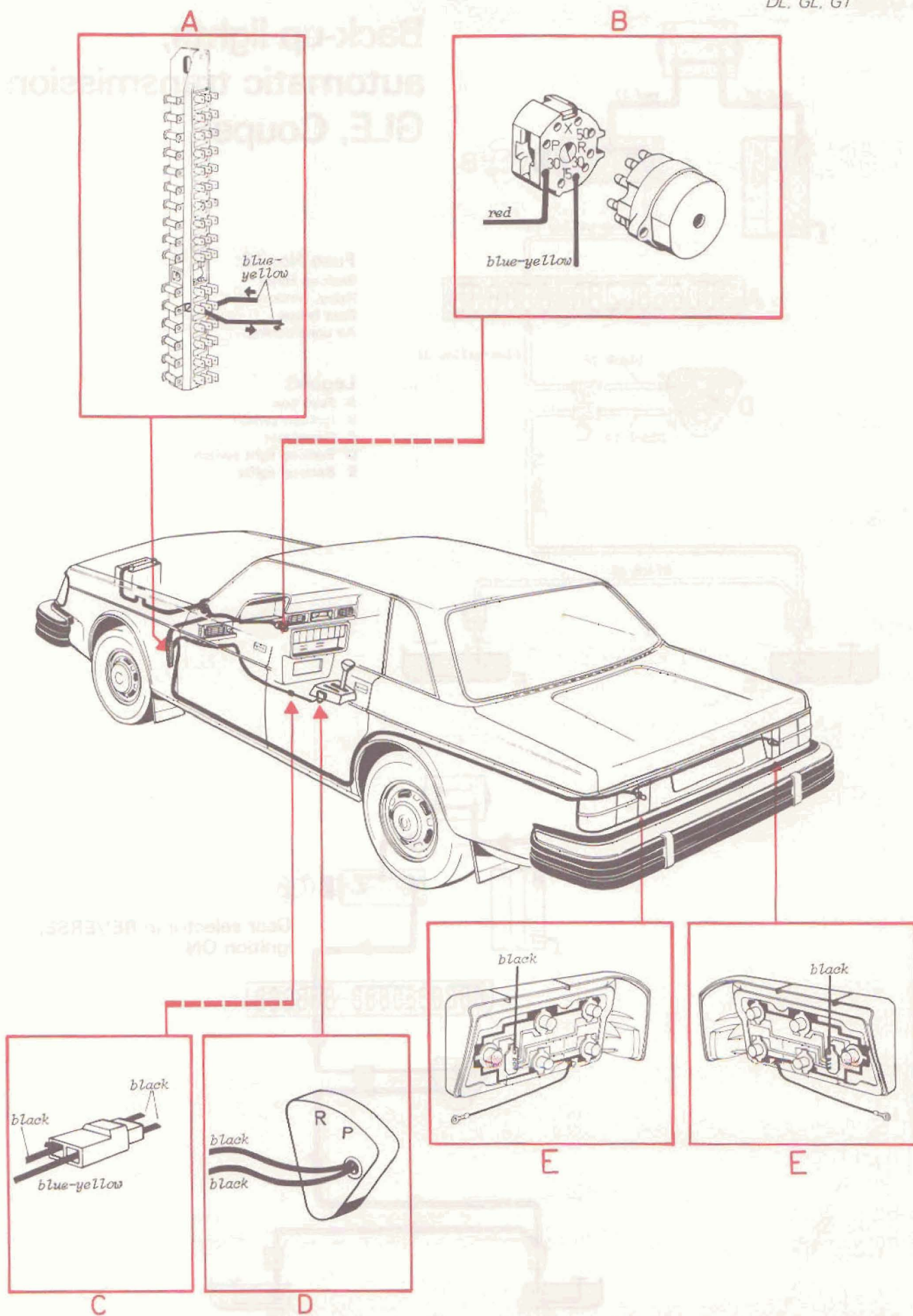
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

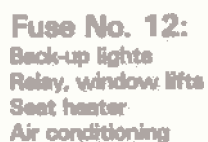
Legend:

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

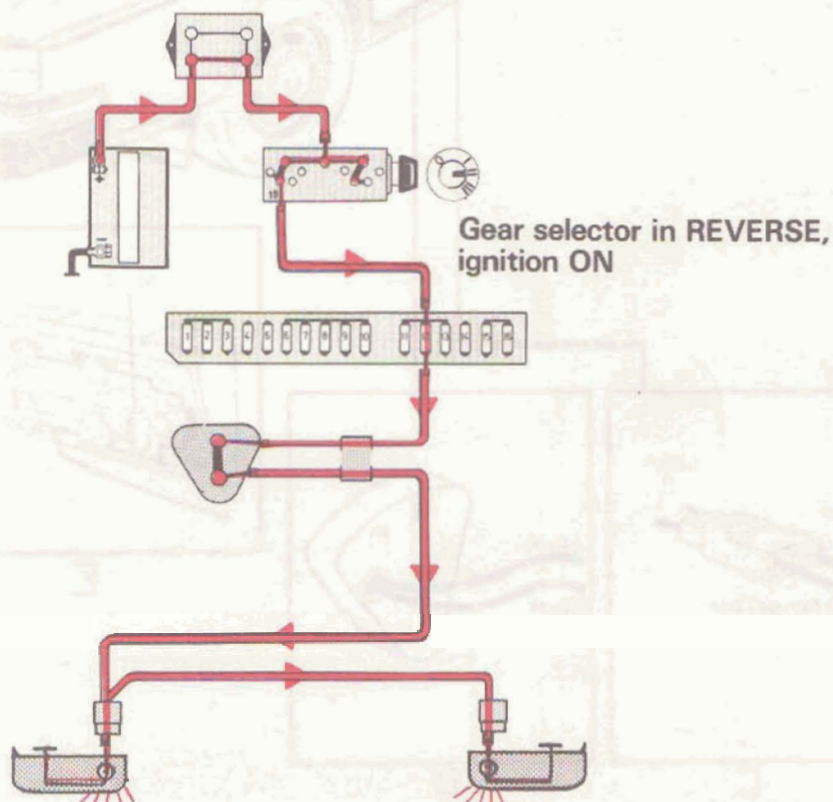


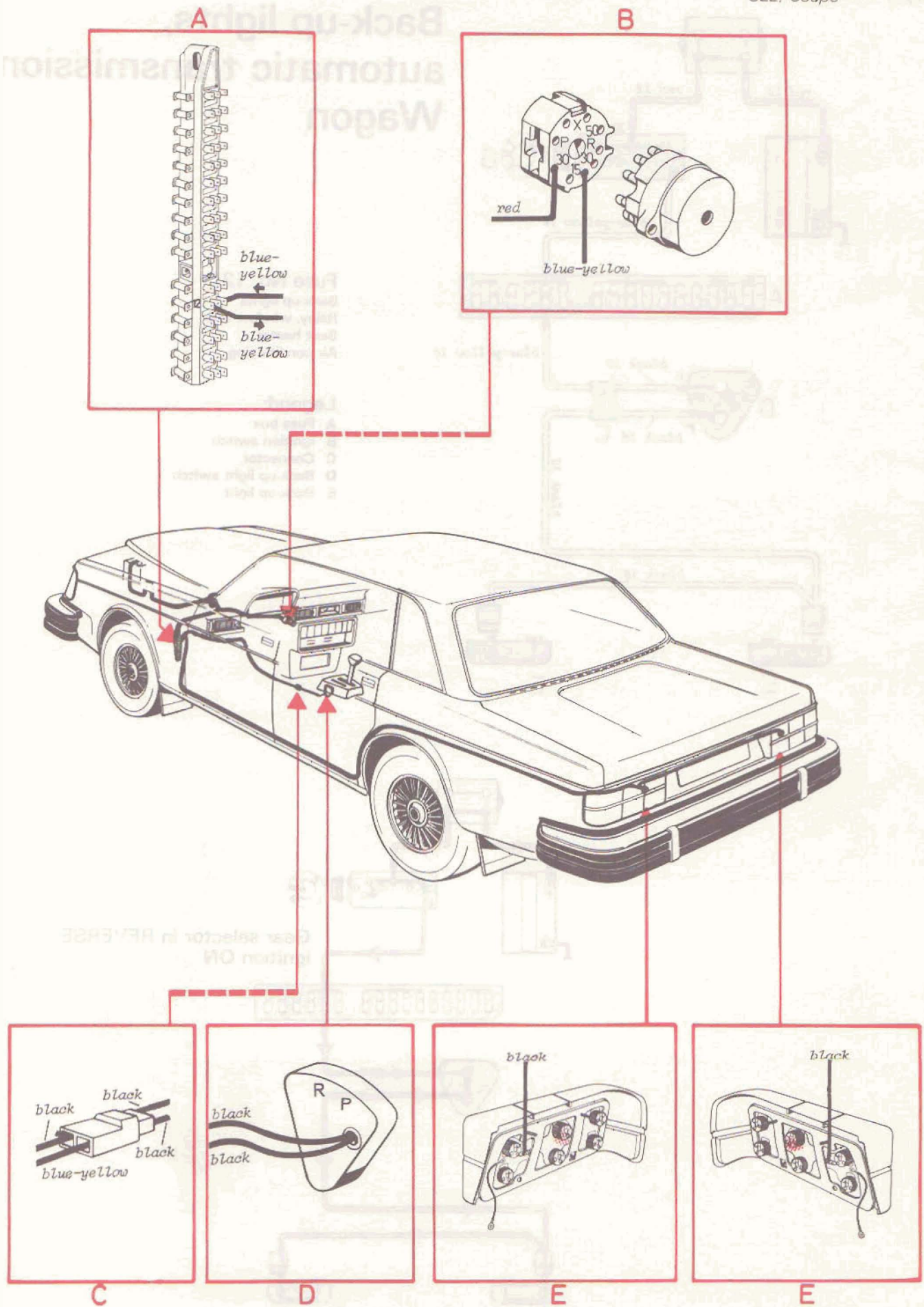
Gear selector in REVERSE,
ignition ON



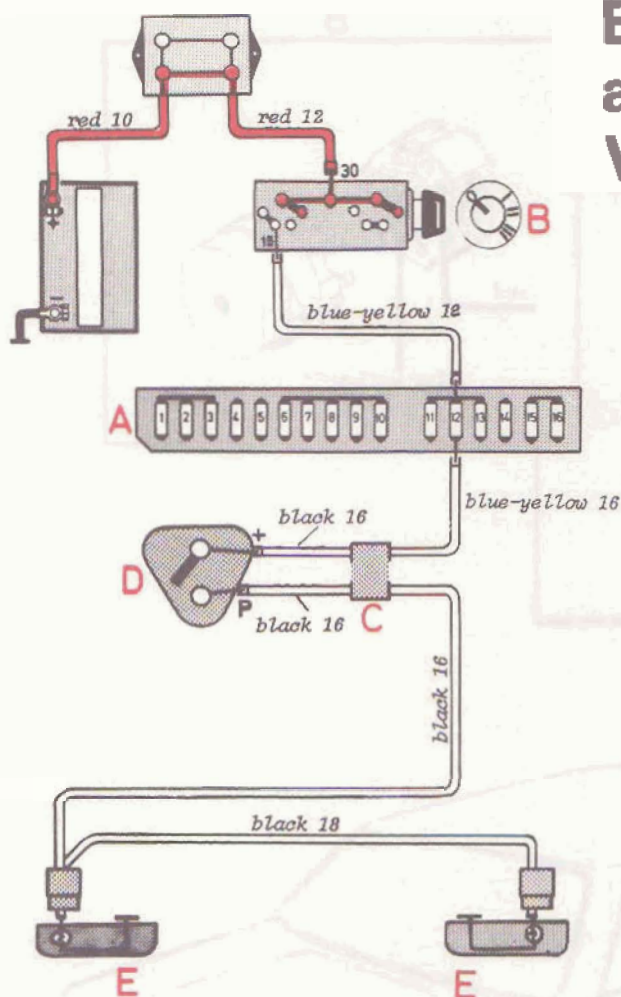


- A Fuse box
- B Ignition switch
- C Connector
- D Back-up light switch
- E Back-up lights



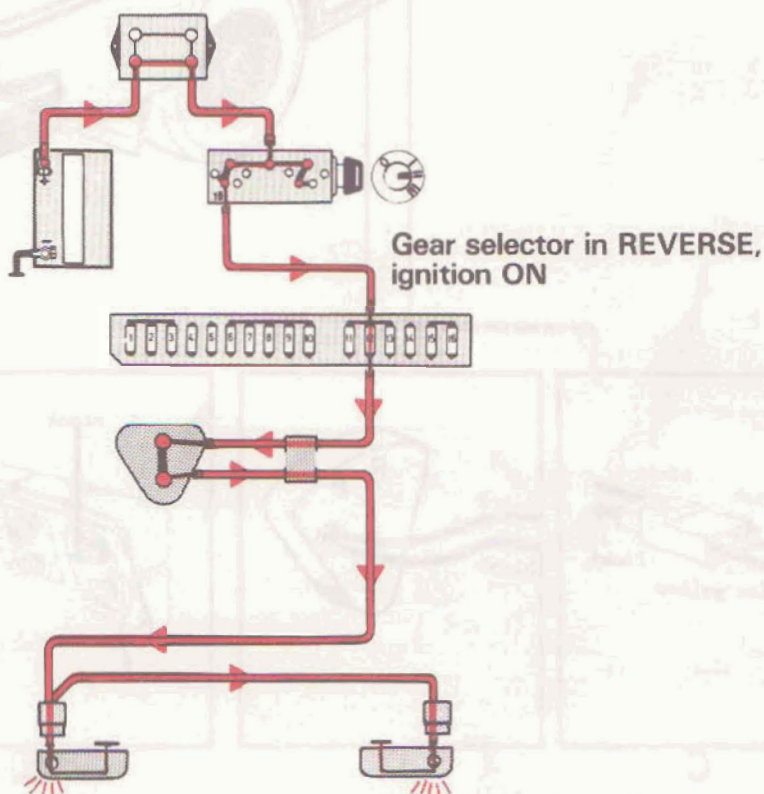


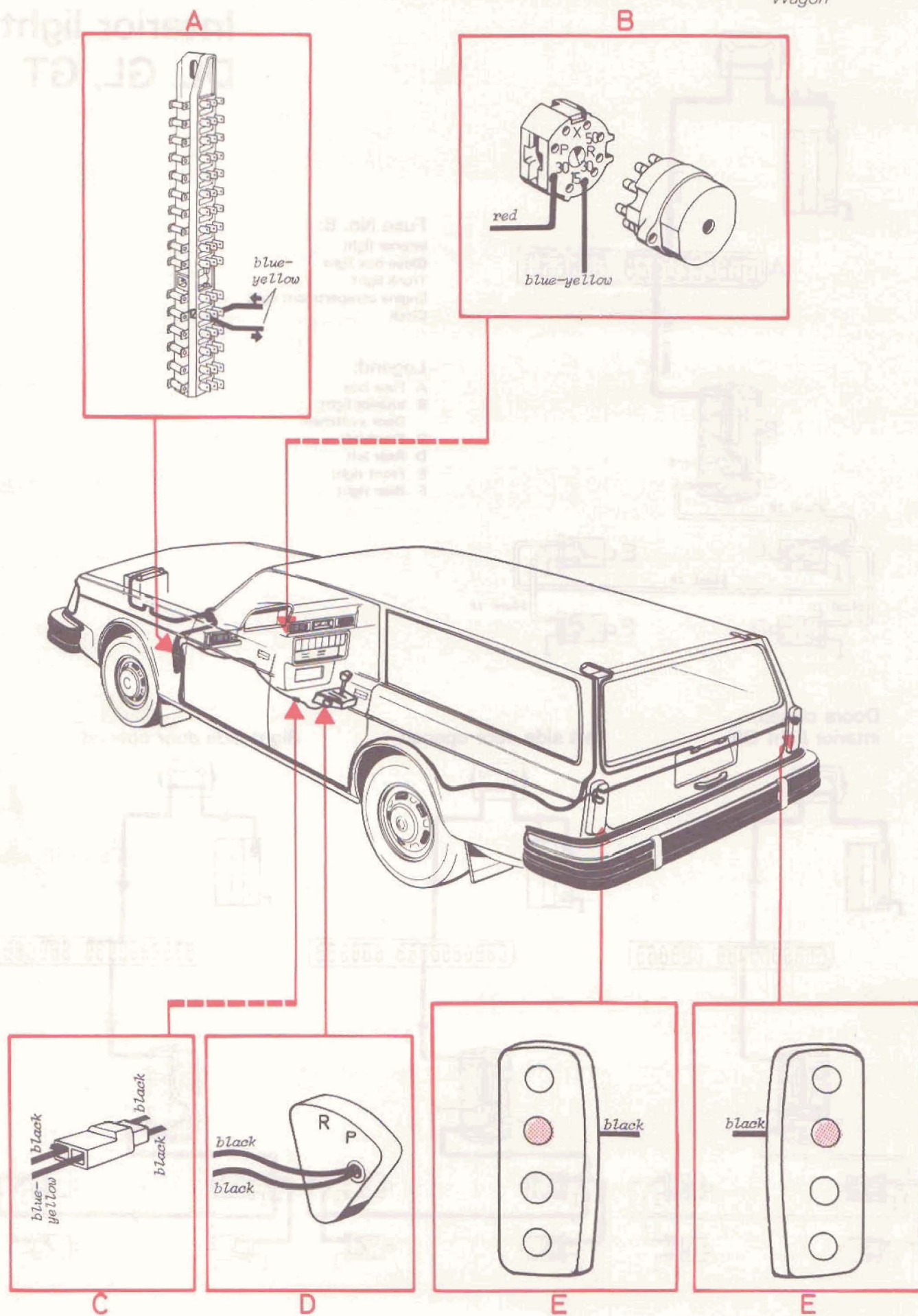
Back-up lights, automatic transmission Wagon



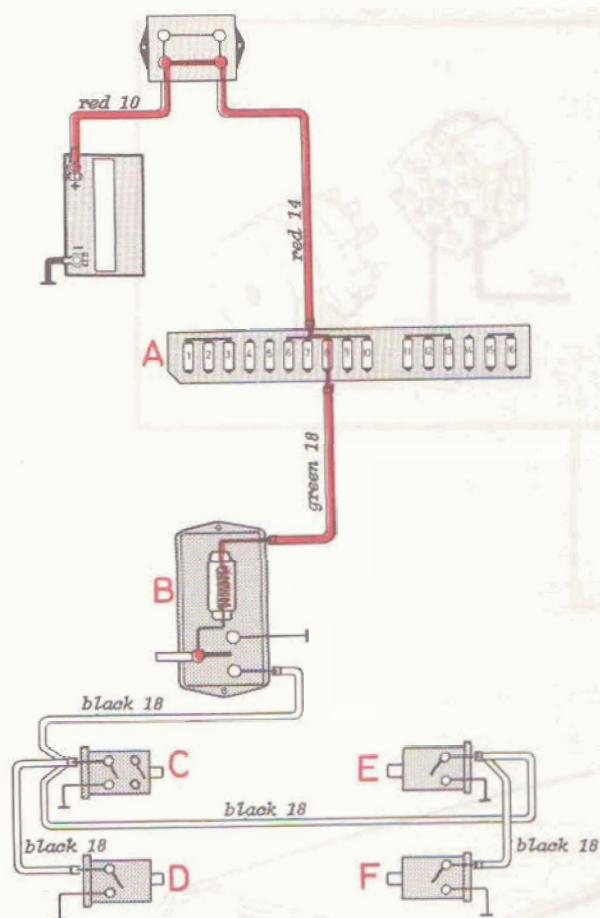
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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





Interior light DL, GL, GT



Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

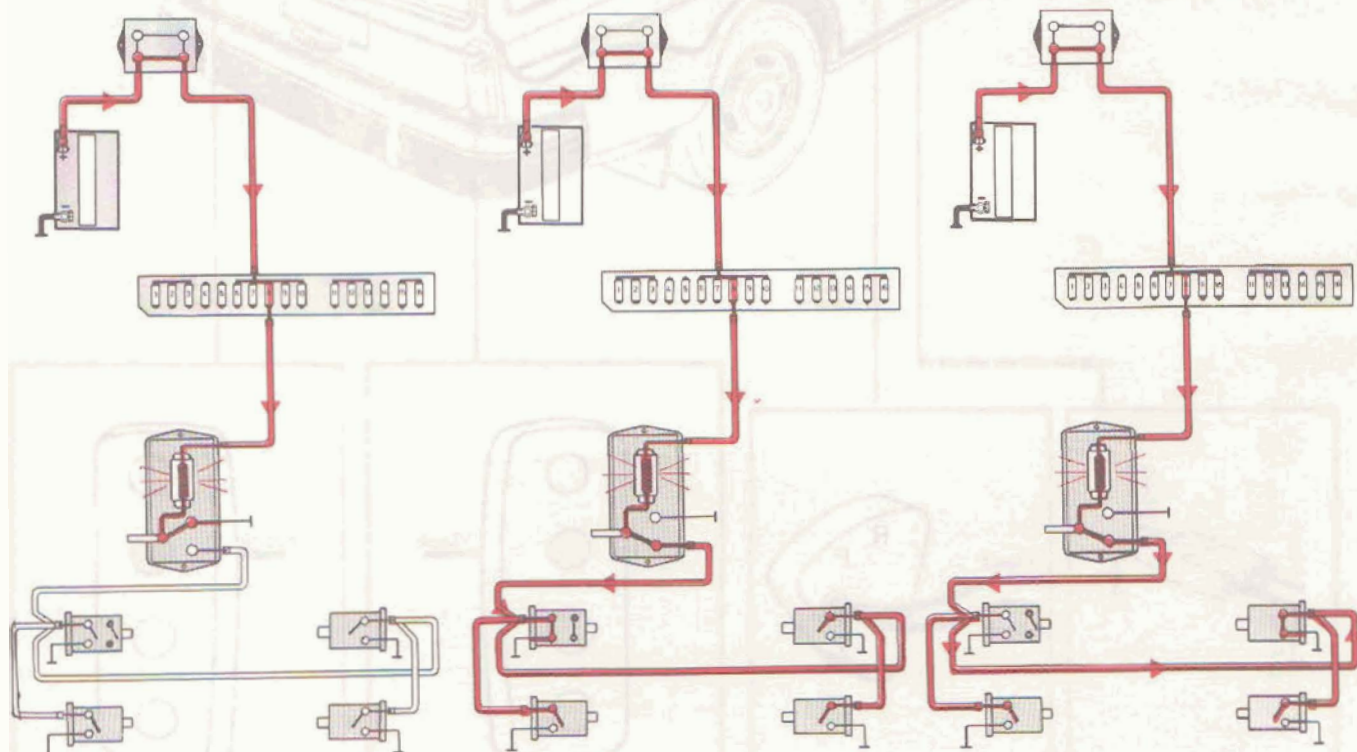
Legend:

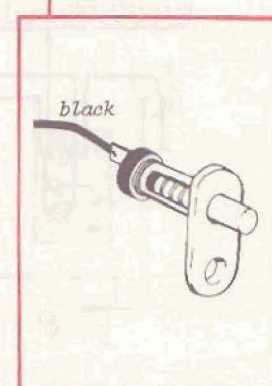
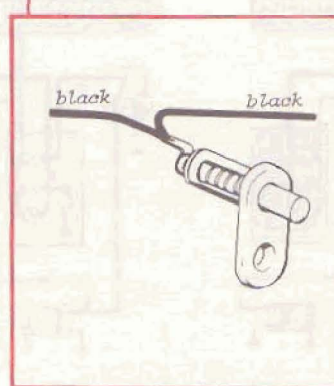
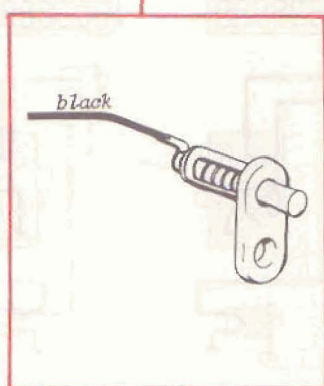
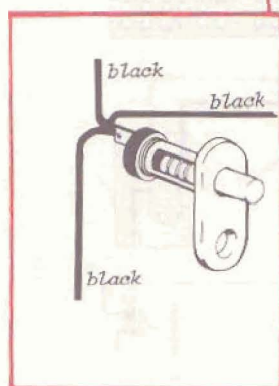
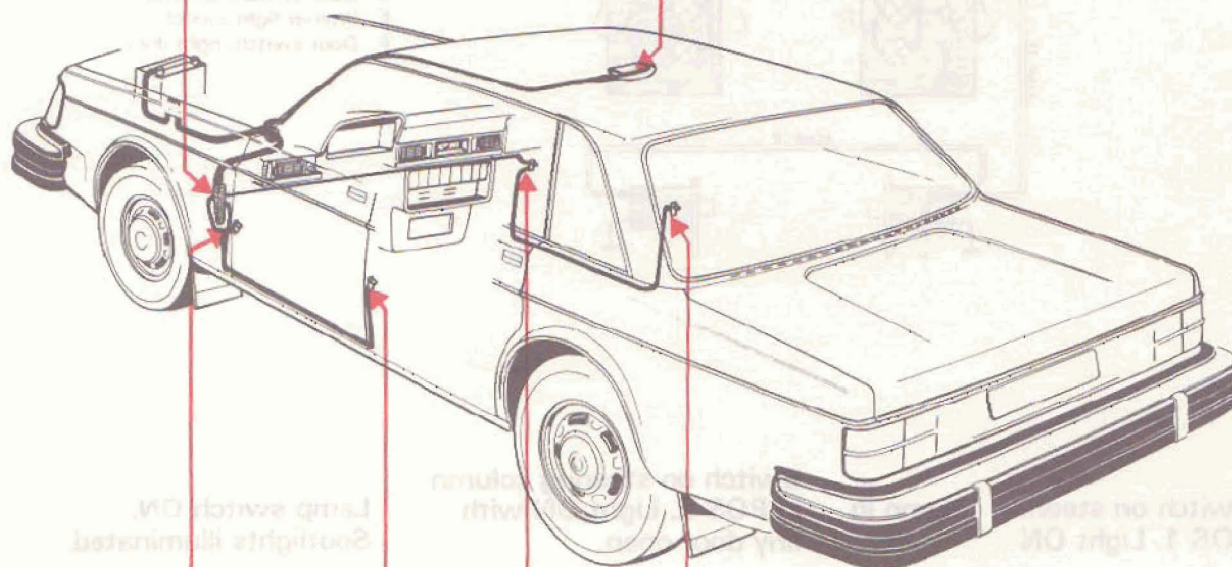
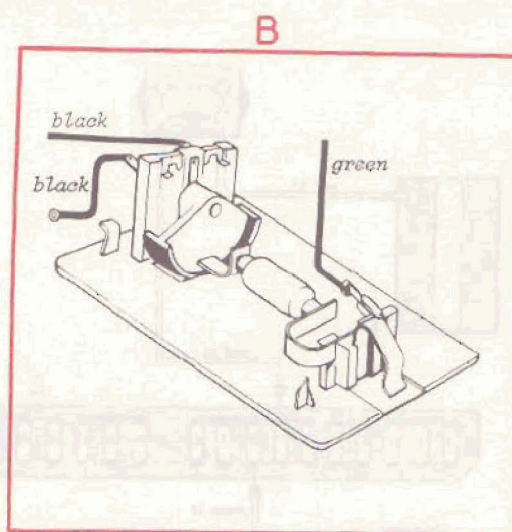
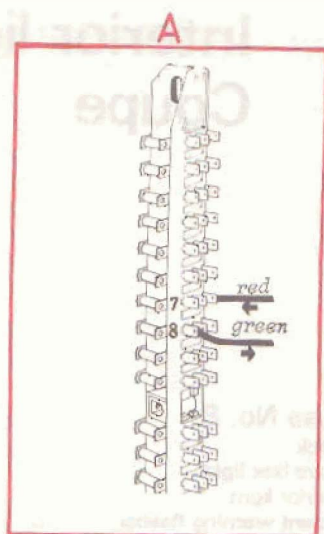
A Fuse box
B Interior light
Door switches:
C Front left
D Rear left
E Front right
F Rear right

Doors closed,
interior light ON

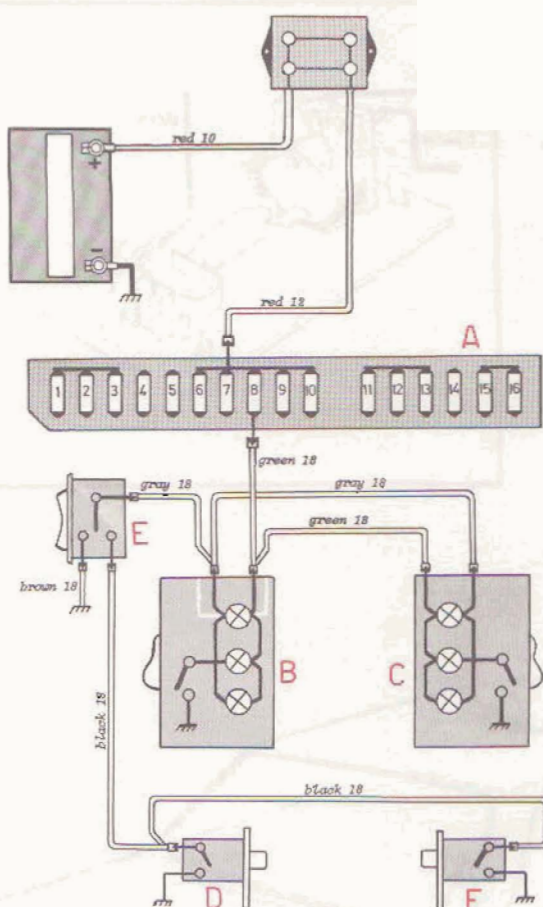
Left side door opened

Right side door opened





Interior light Coupe



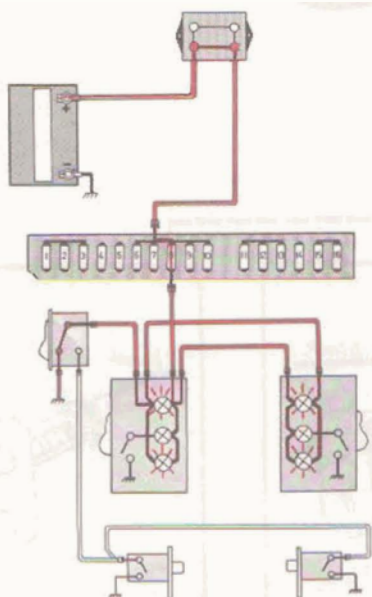
Fuse No. 8

Clock
Glove box light
Interior light
Hazard warning flasher

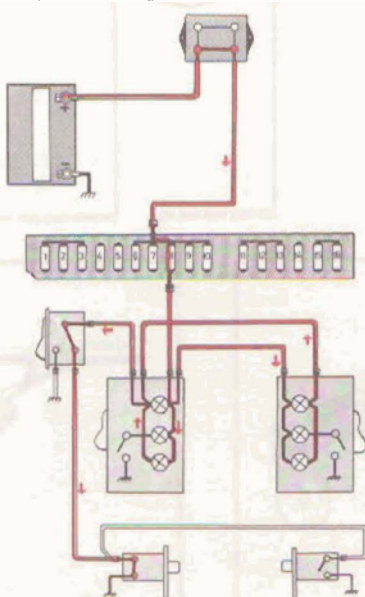
Legend:

- 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

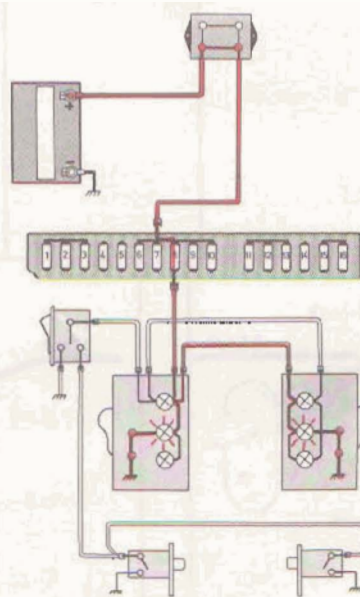
Switch on steering column
in POS 1. Light ON

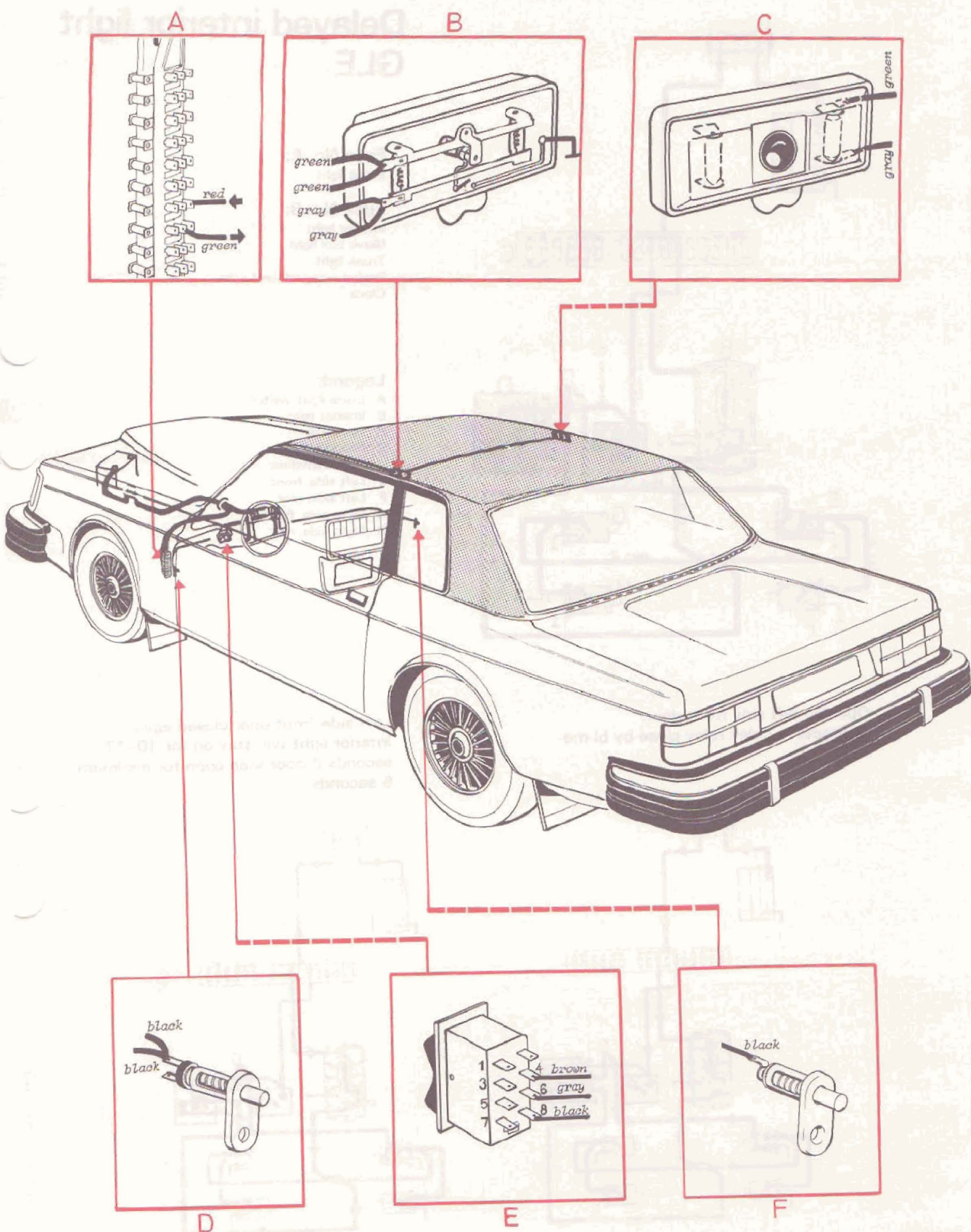


Switch on steering column
in POS 2. Light ON with
any door open.

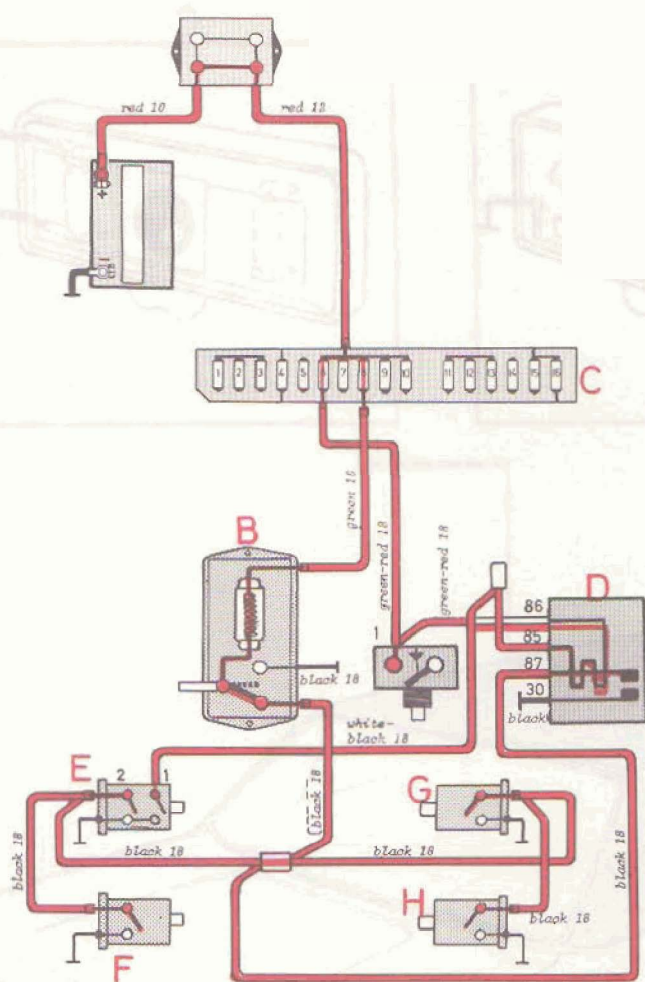


Lamp switch ON.
Spotlights illuminated.





Delayed interior light GLE



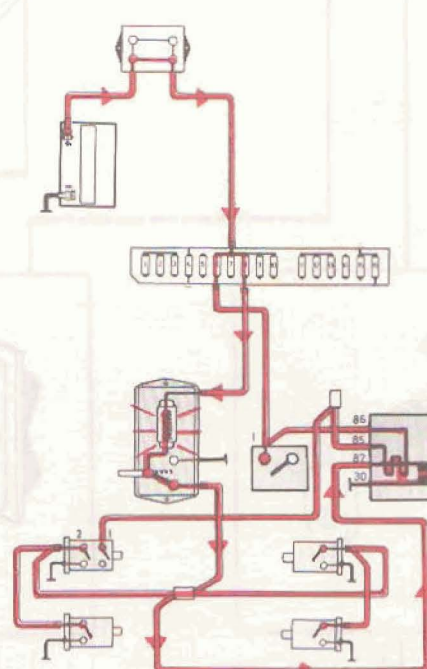
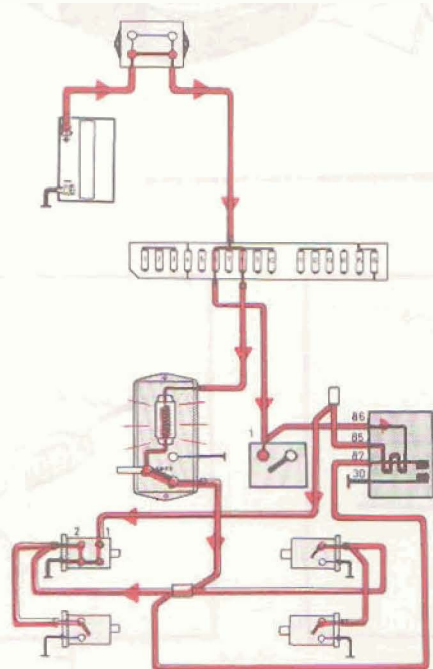
Fuse No. 6:
Brake light

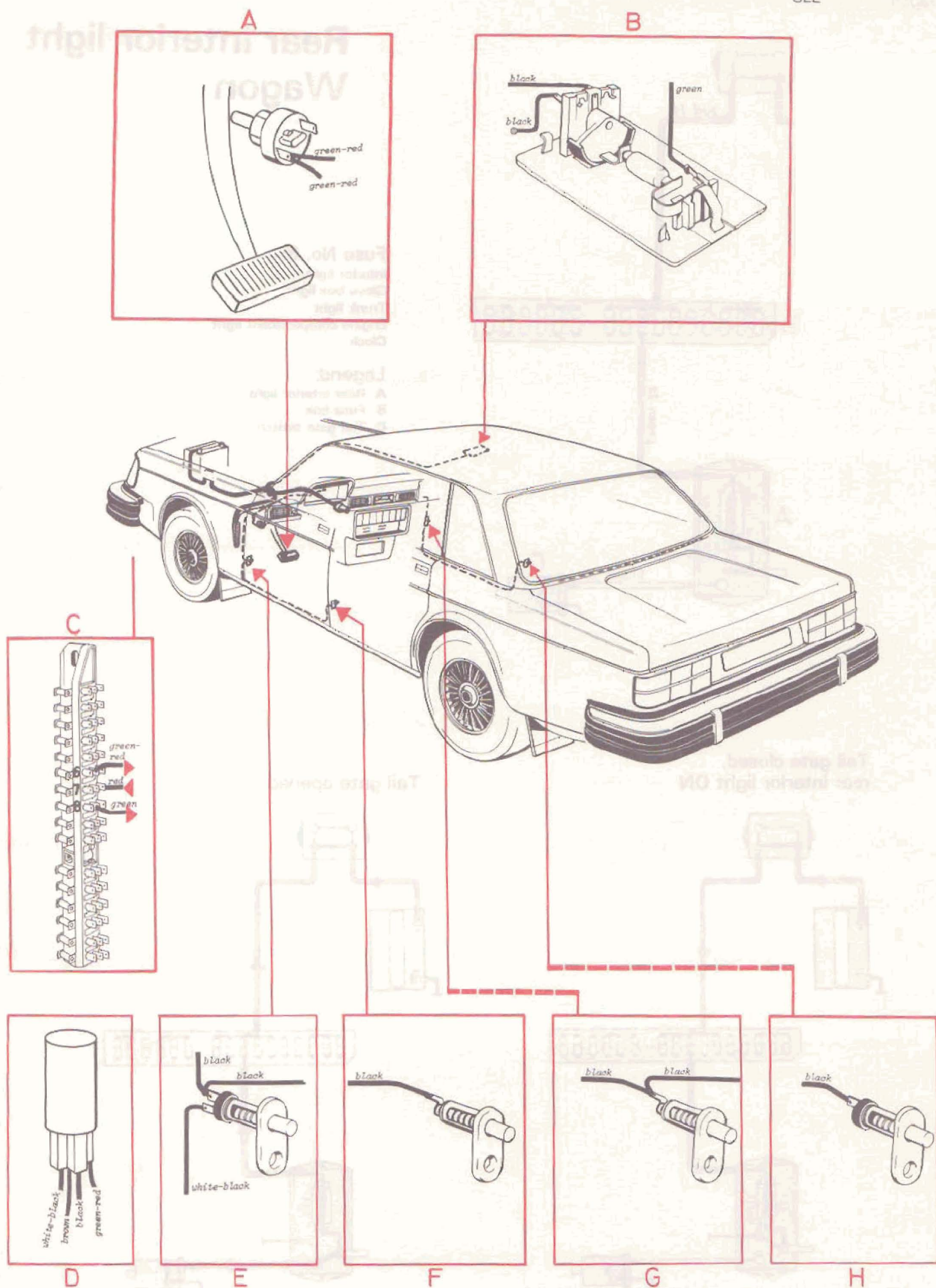
Fuse No. 8:
Interior light
Glove box light
Trunk light
Engine compartment light
Clock

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

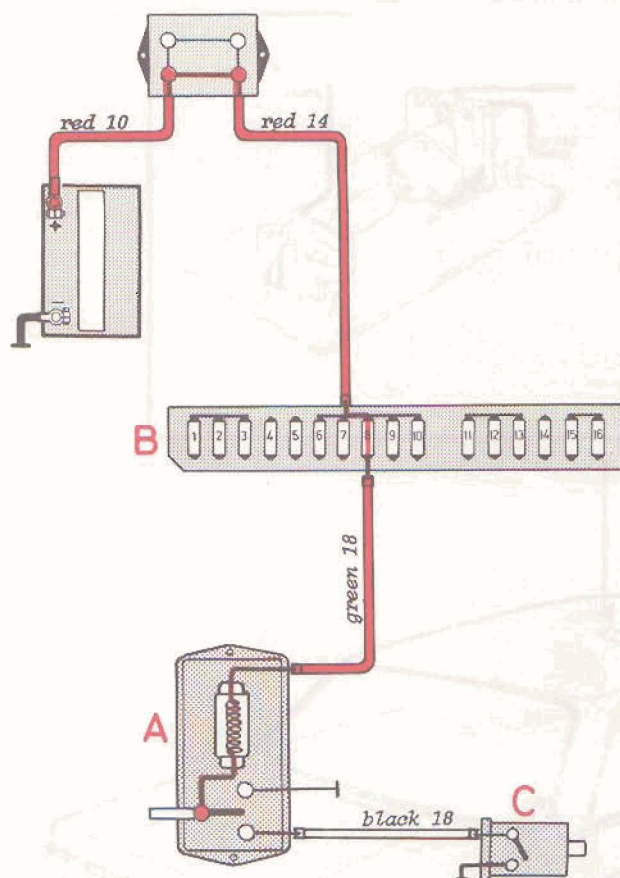
Opening left side front door.
Contacts in delay relay close by bi-metal action.

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



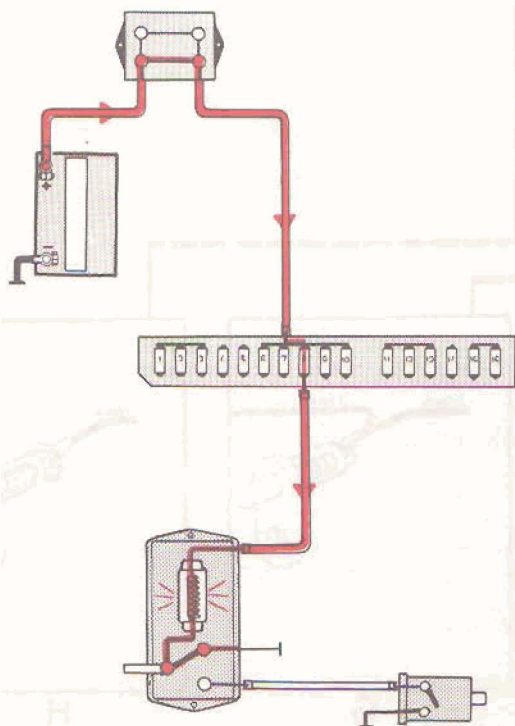
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

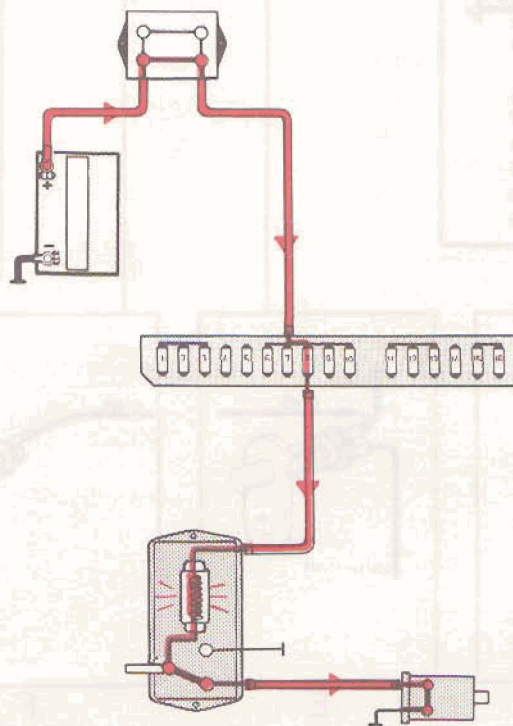
Legend:

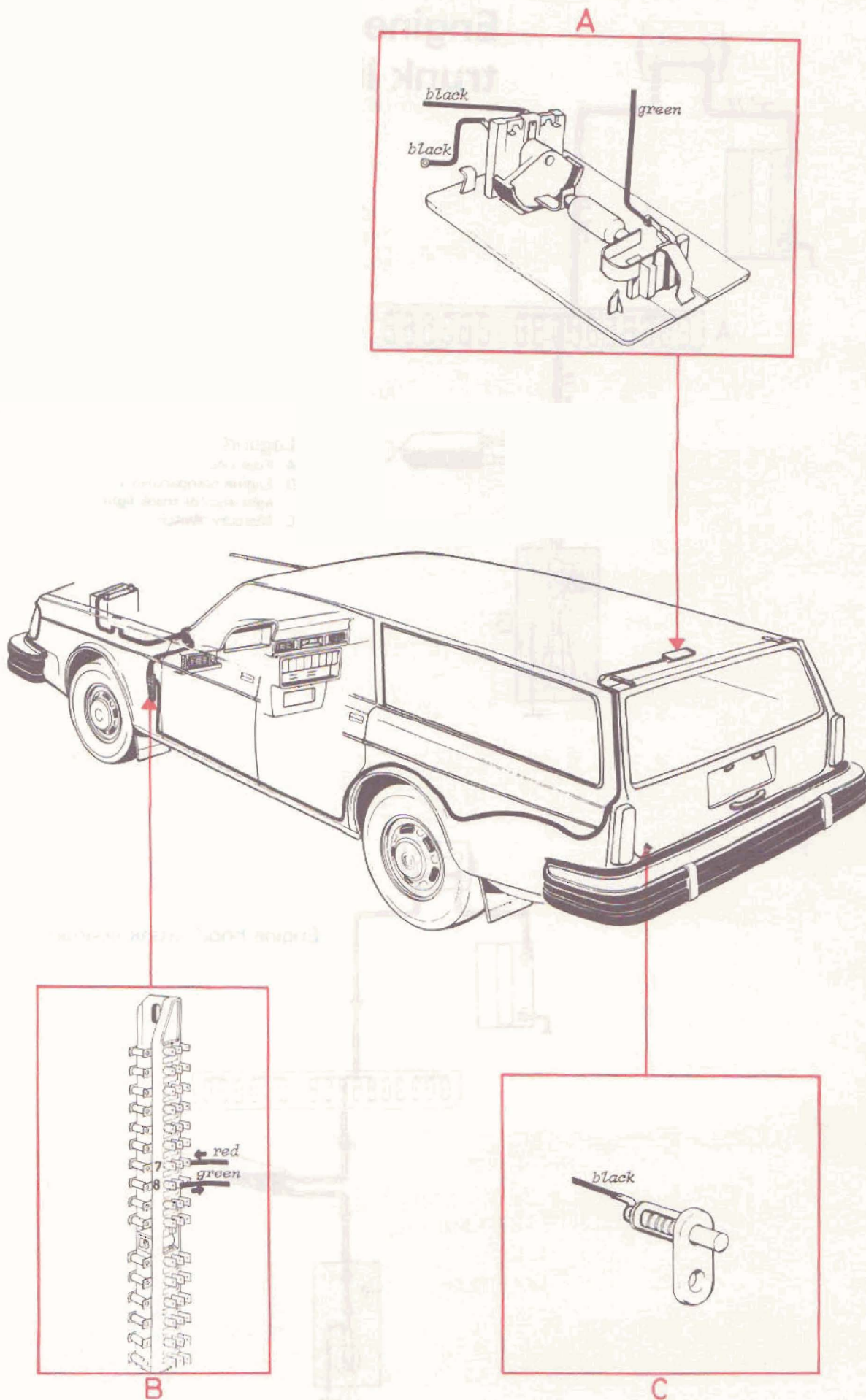
A Rear interior light
B Fuse box
C Tail gate switch

Tail gate closed,
rear interior light ON

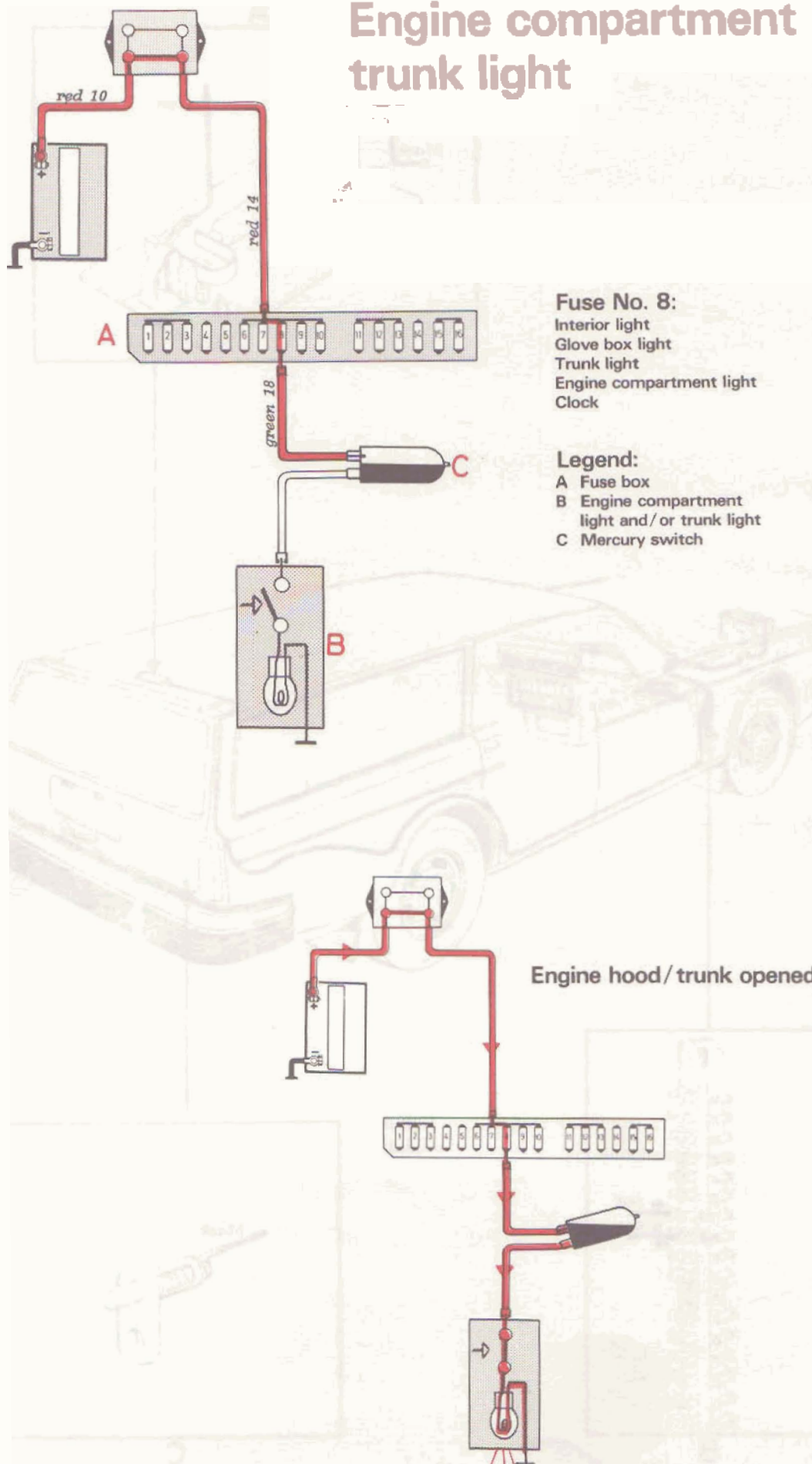


Tail gate opened





Engine compartment light, trunk light

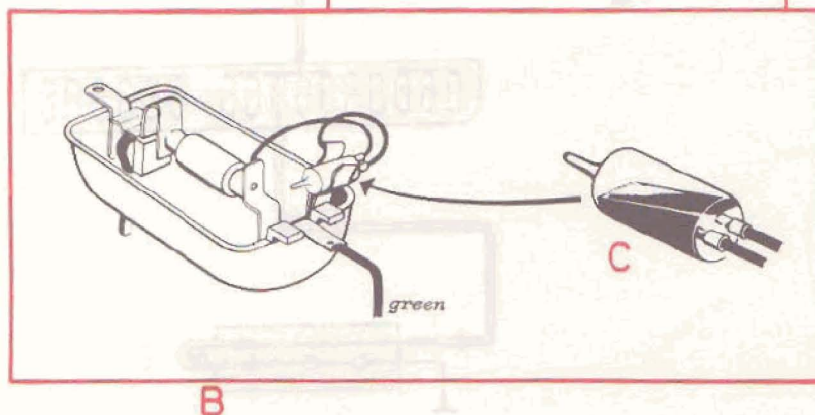
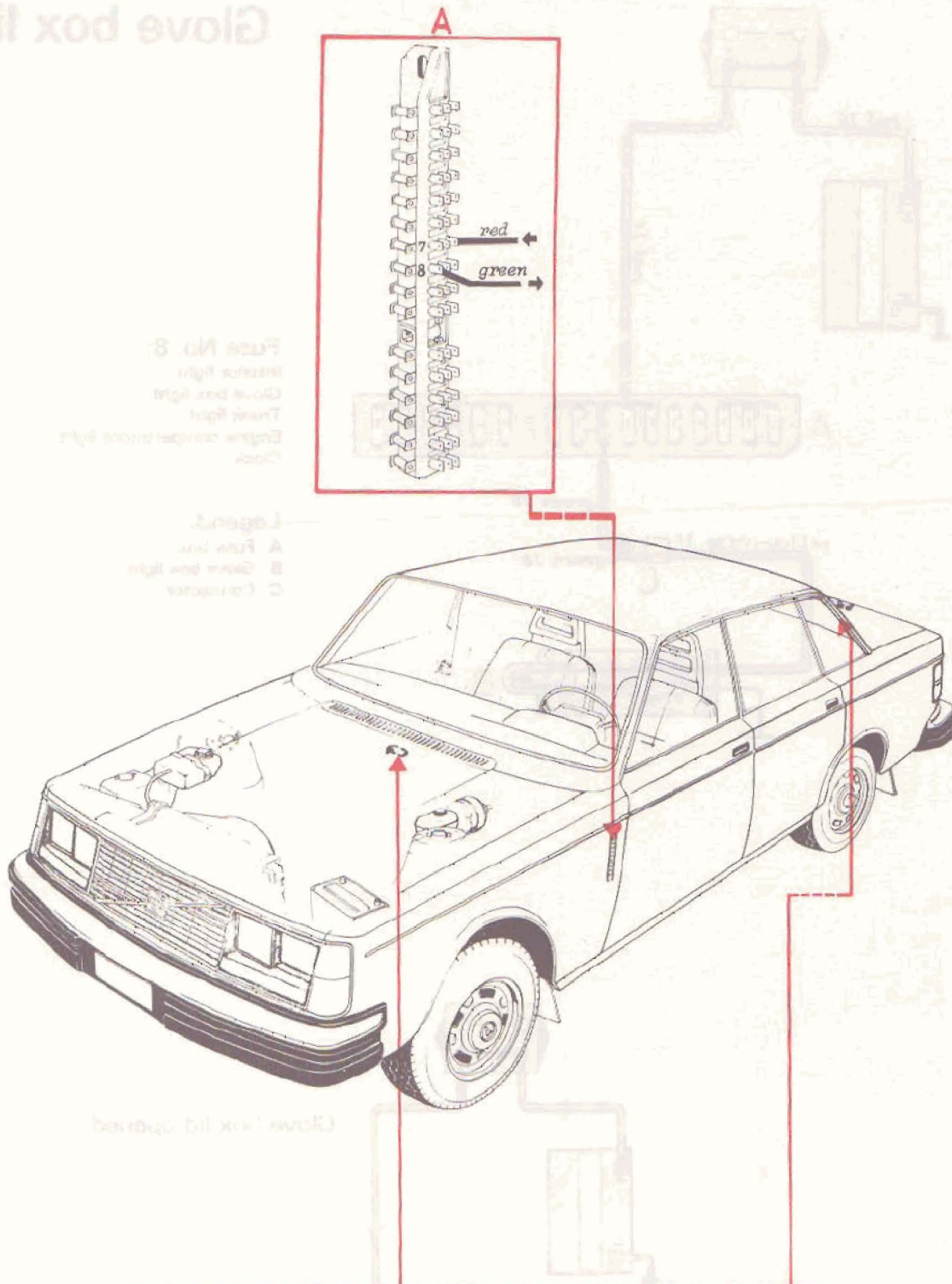


Engine compartment light,
trunk light

Glove box light

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

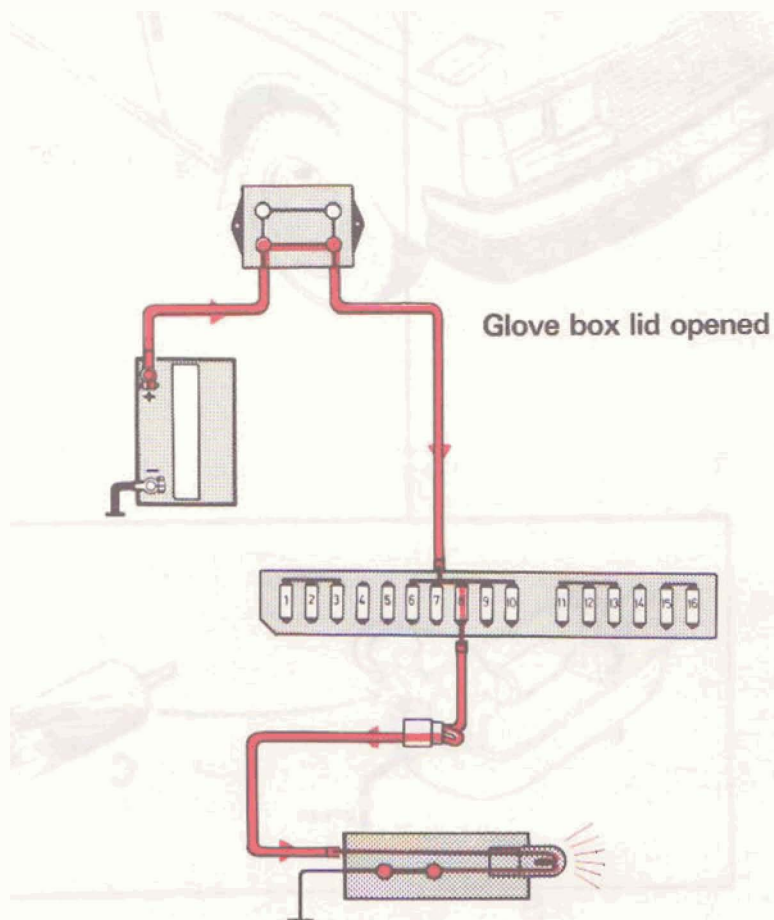
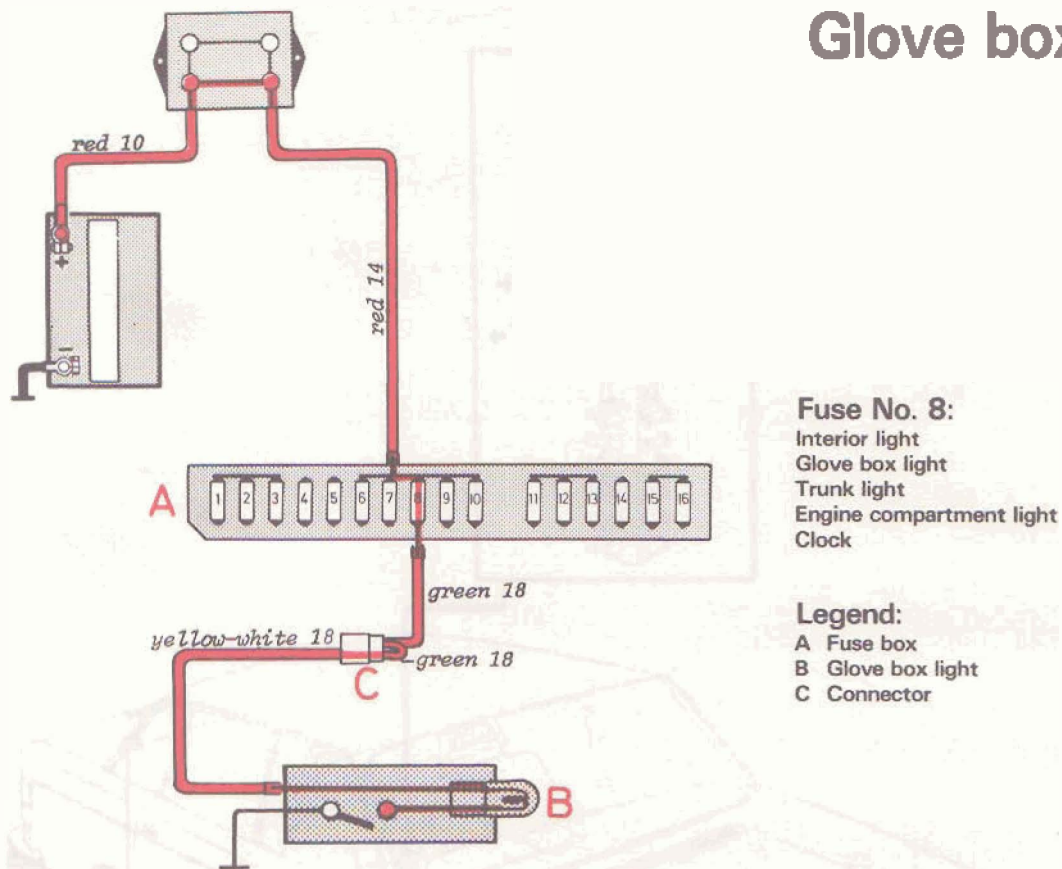
Legend:
A Fuse box
B Glove box light
C Connector

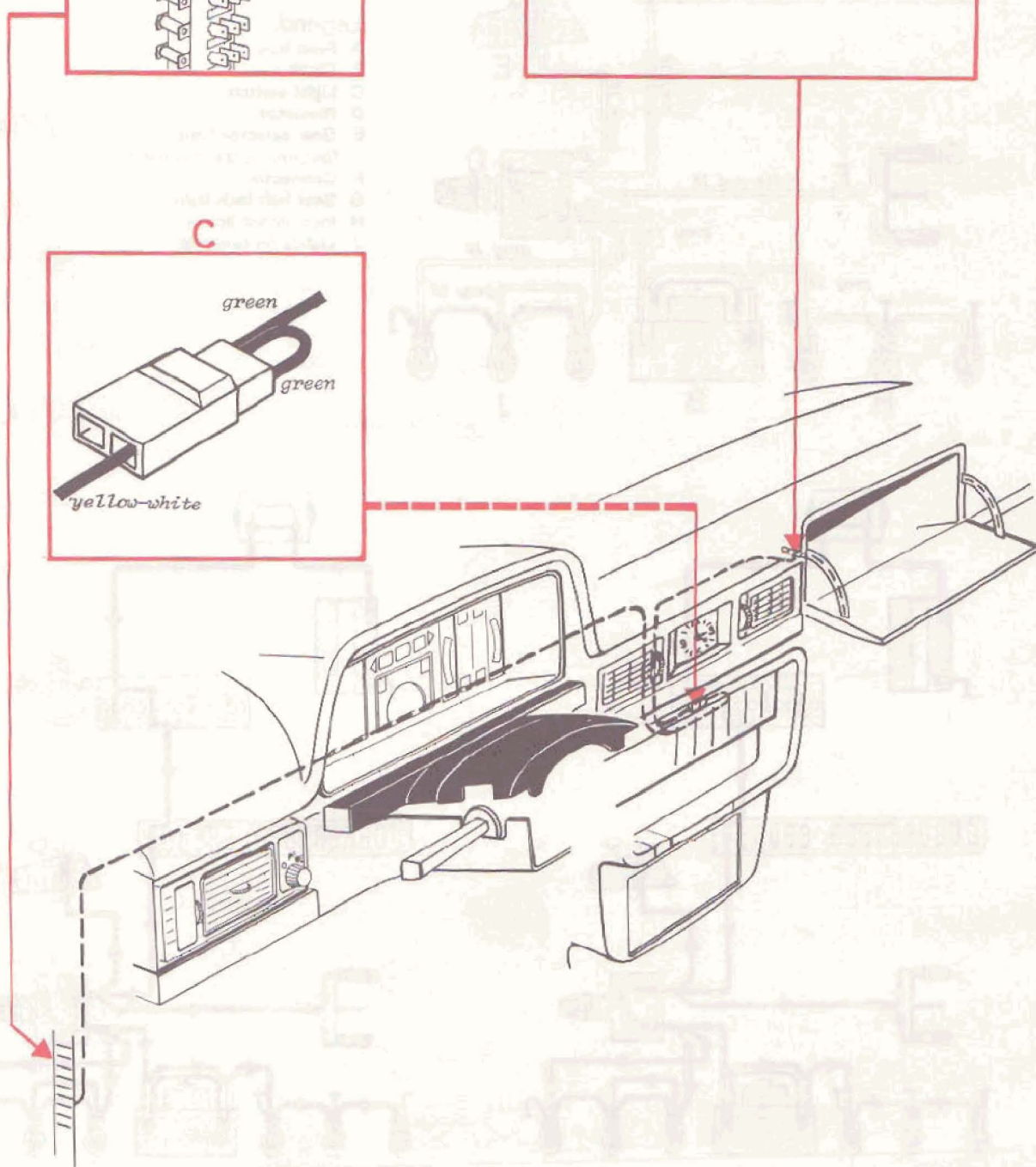
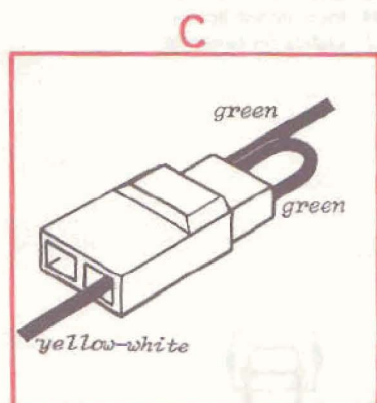
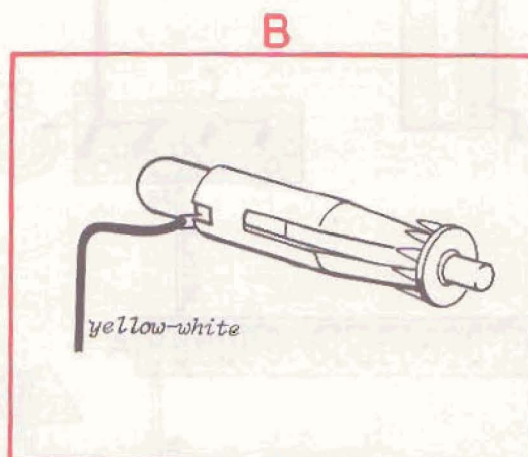
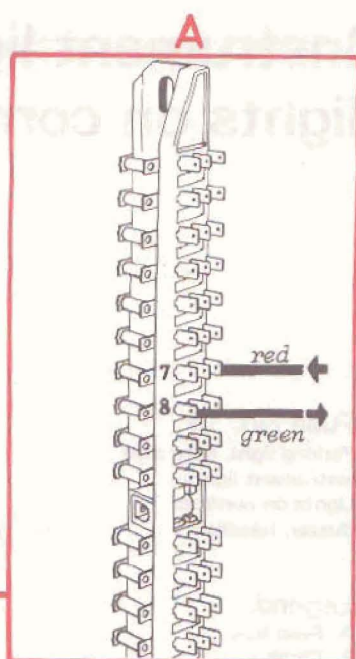


B

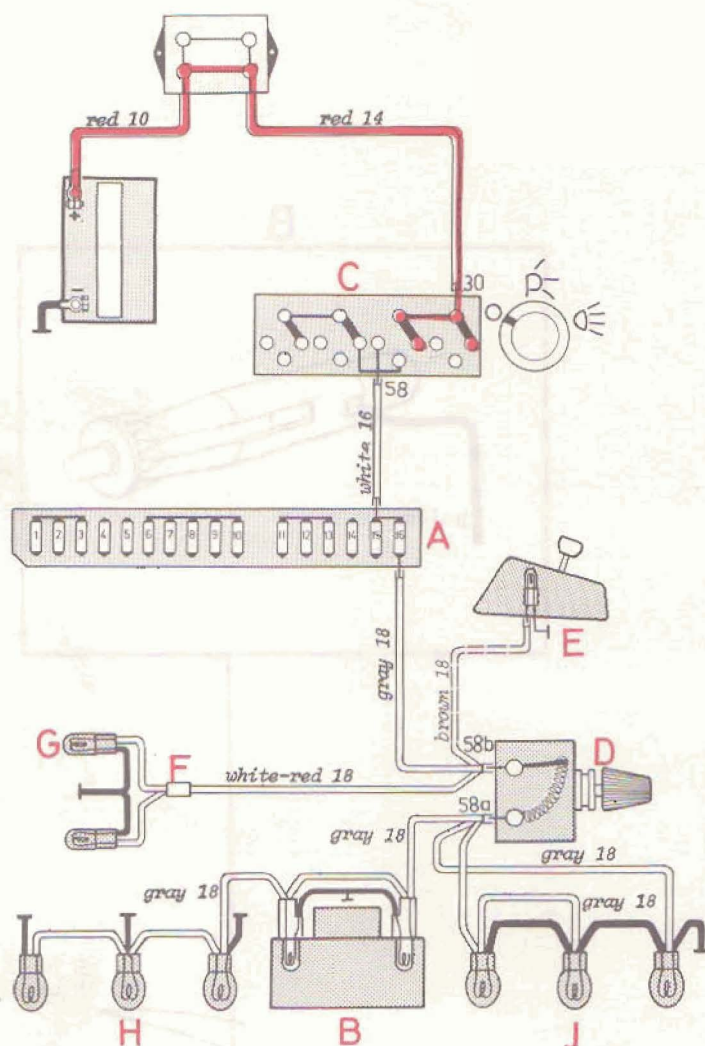
C

Glove box light





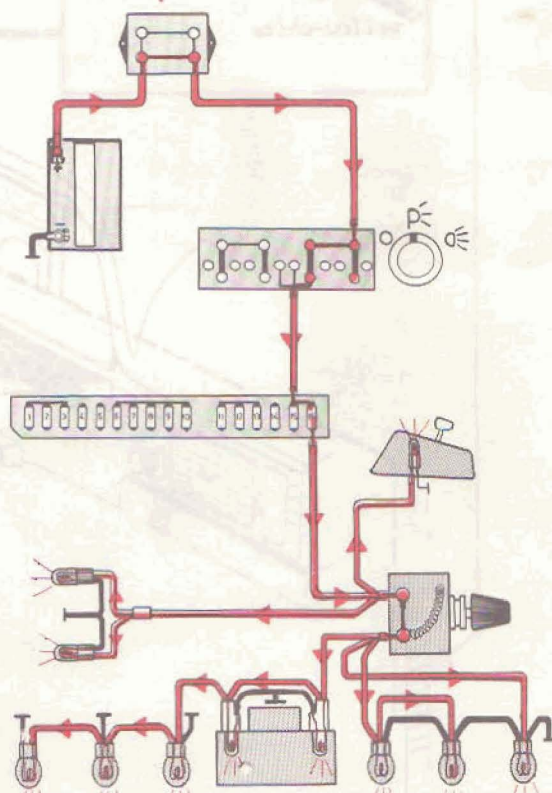
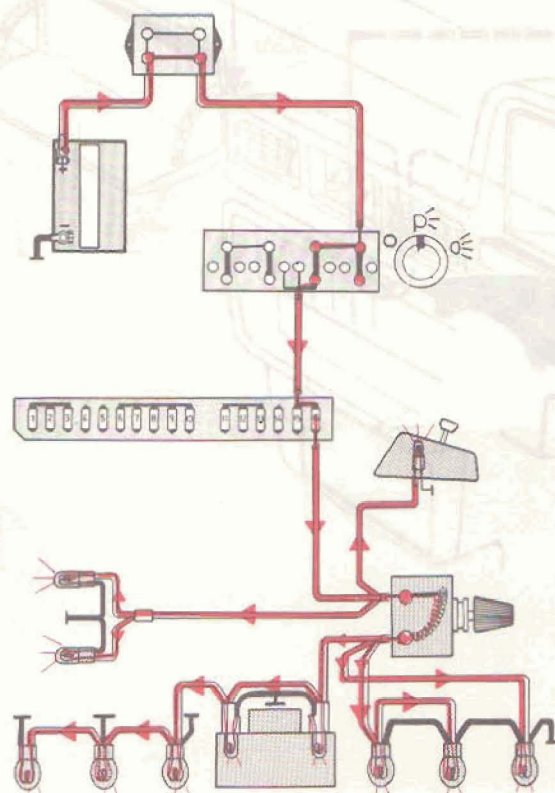
Instrument lights, lights on controls

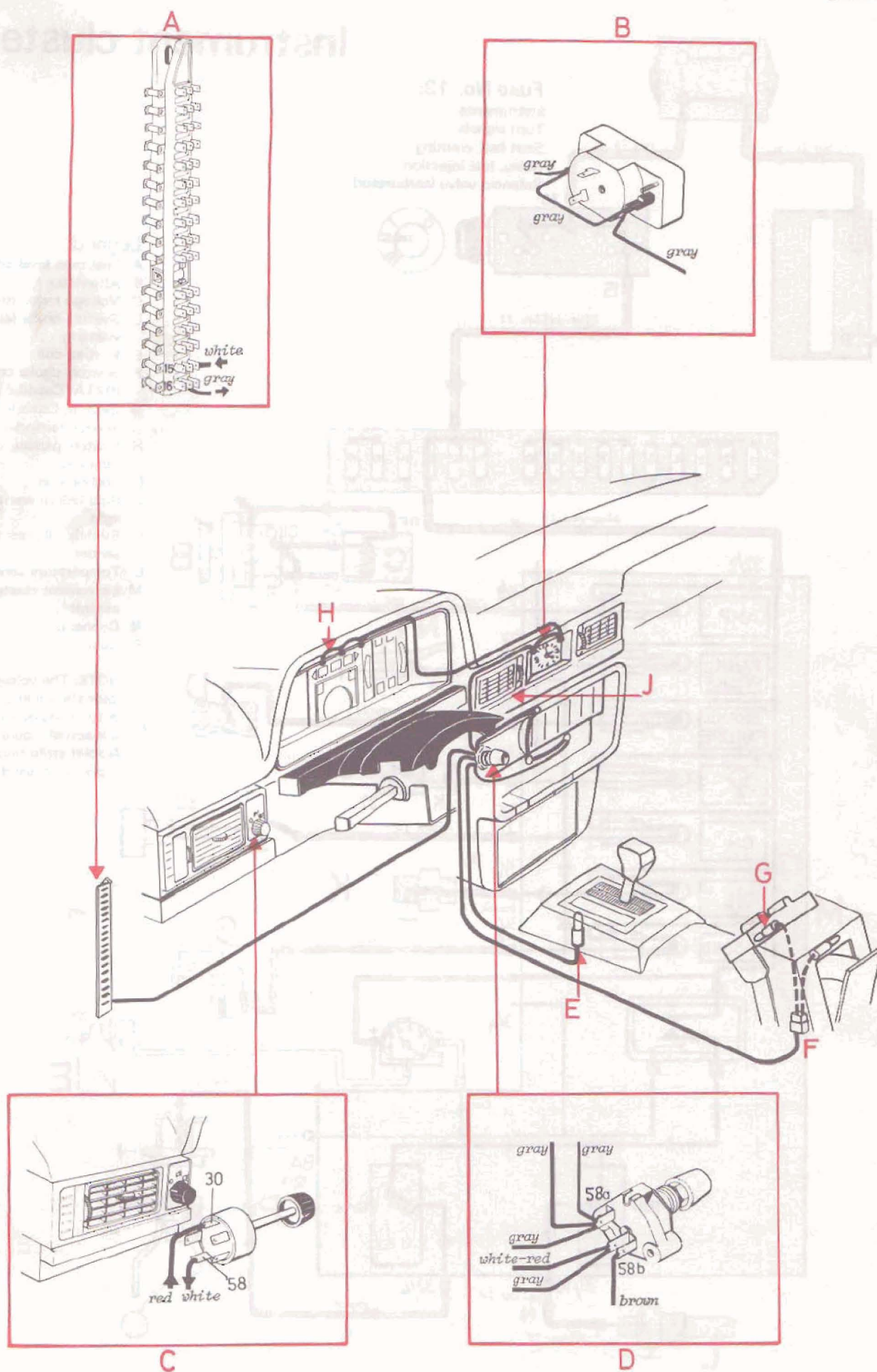


Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

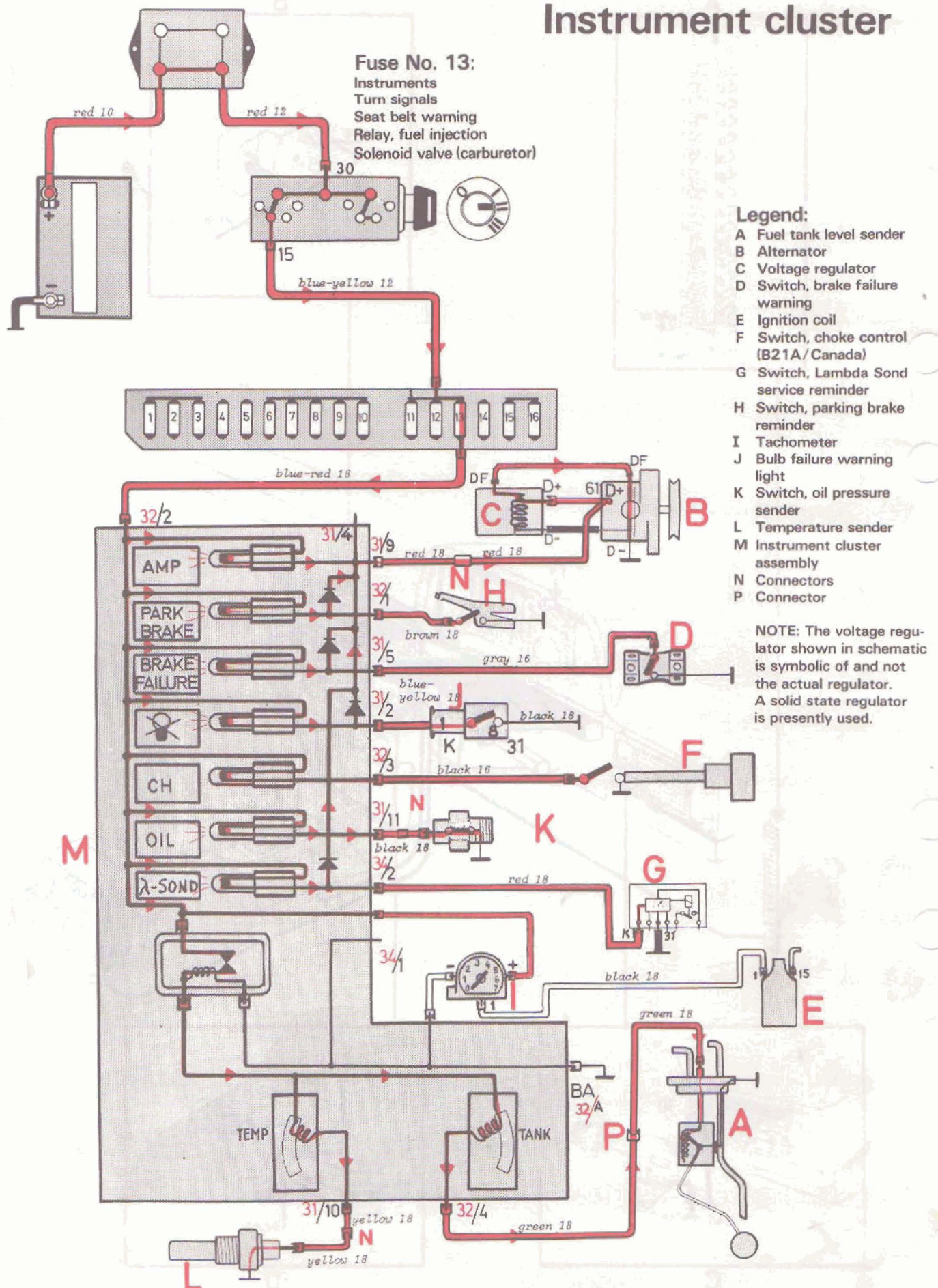
Legend:

- 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

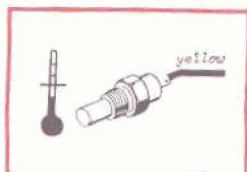




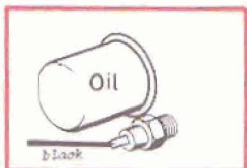
Instrument cluster



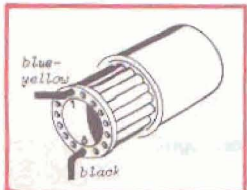
L



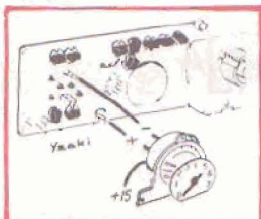
K



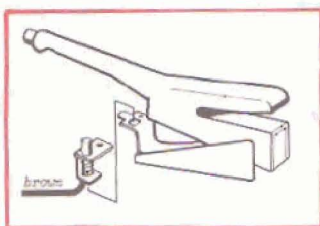
J



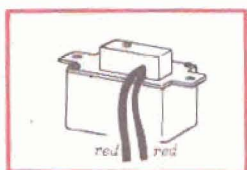
I



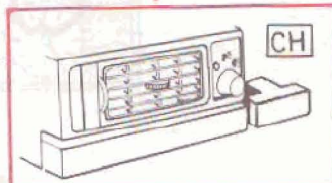
H



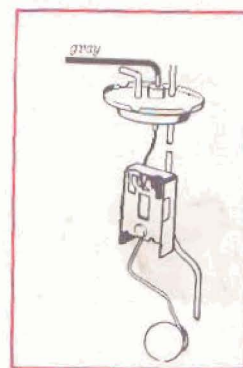
G



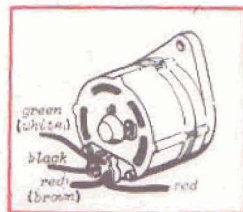
F



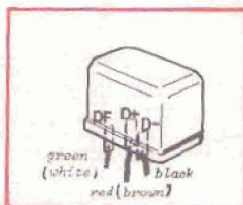
A



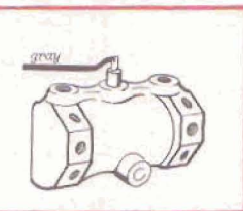
B



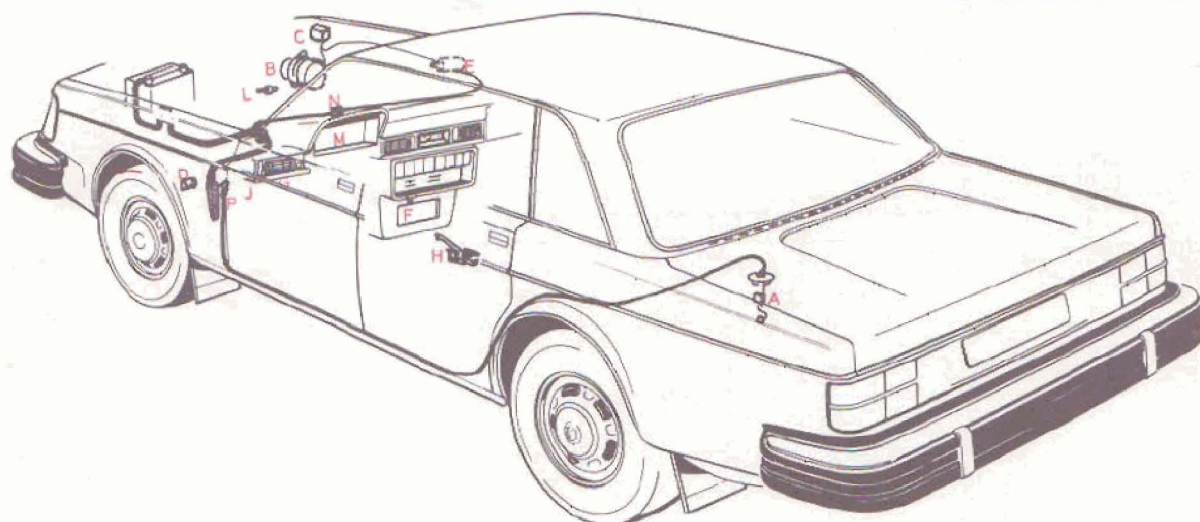
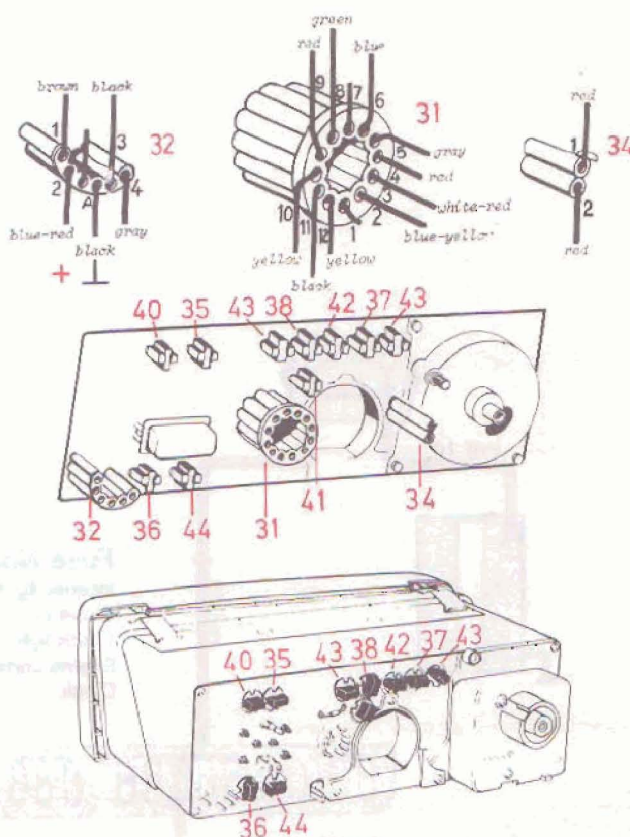
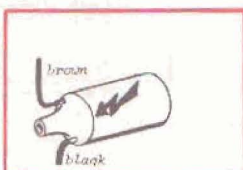
C

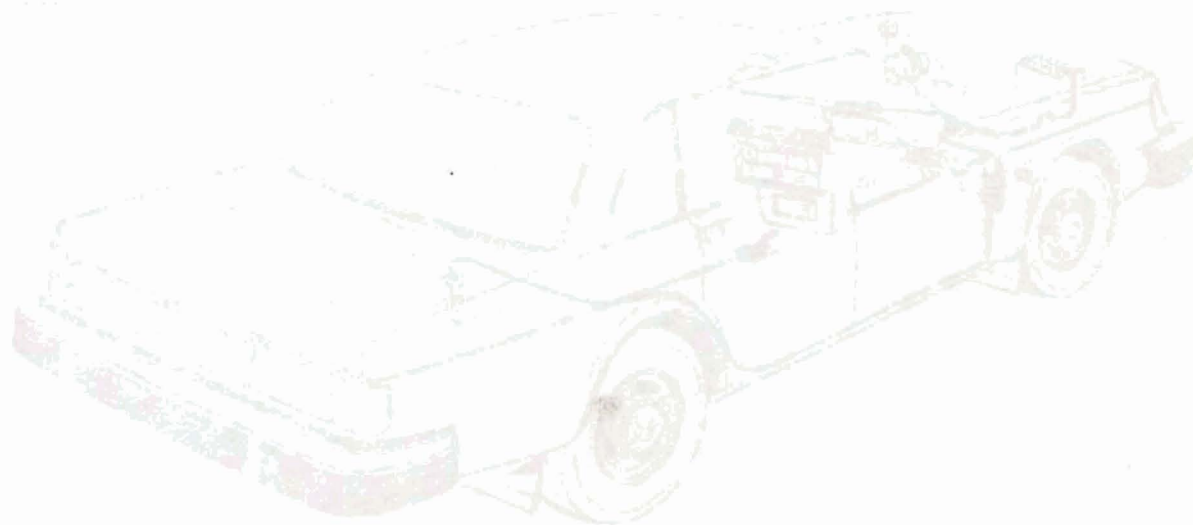
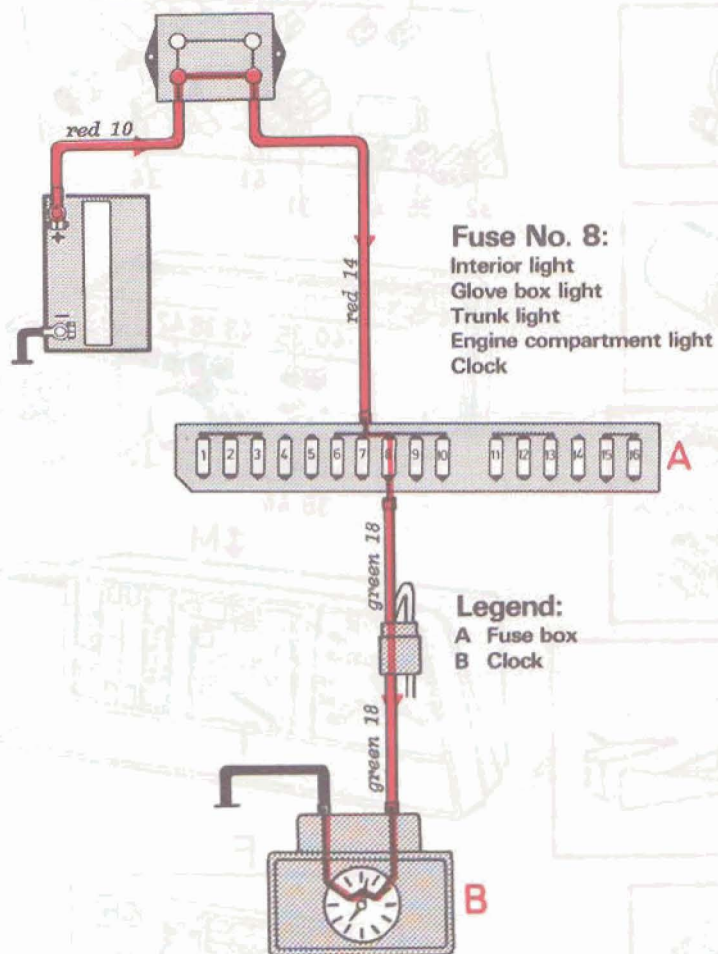


D

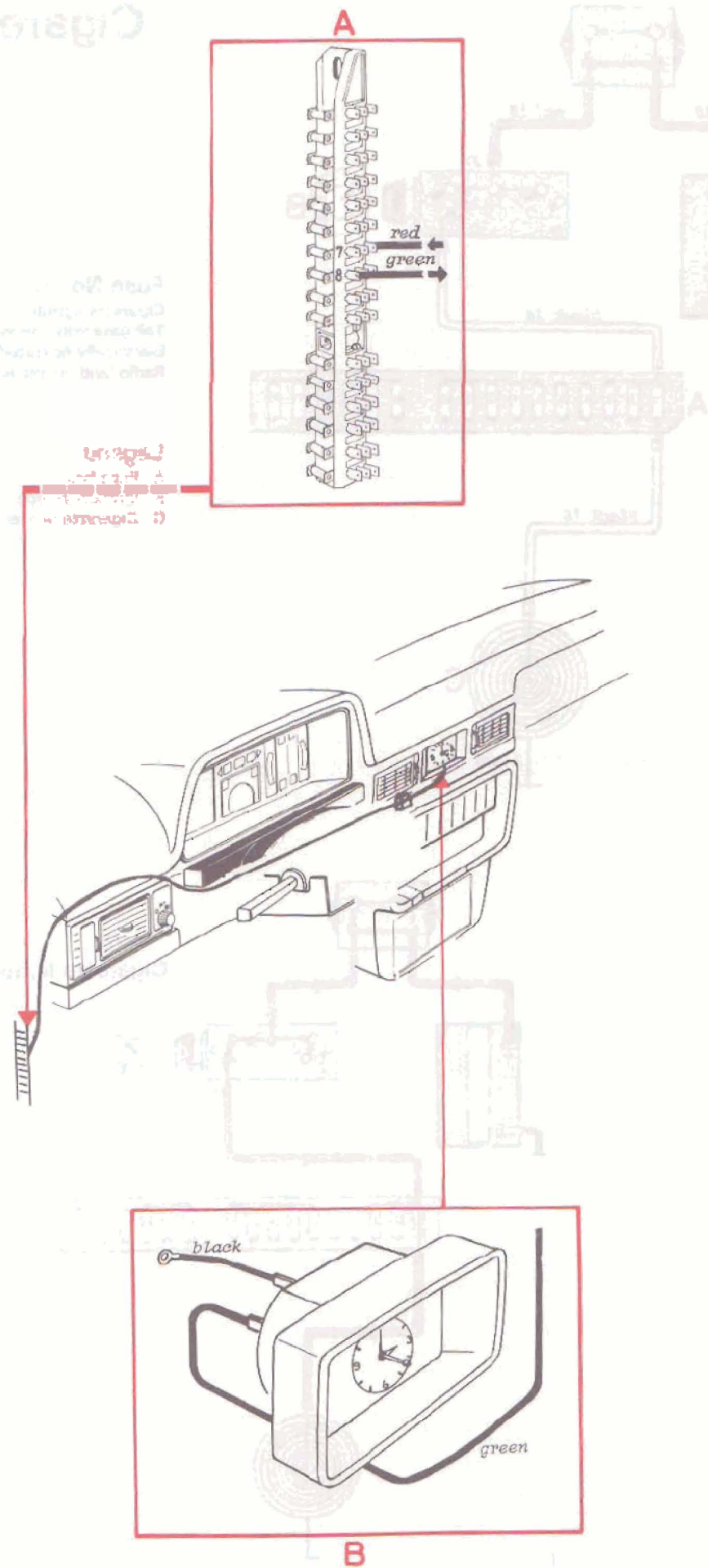


E

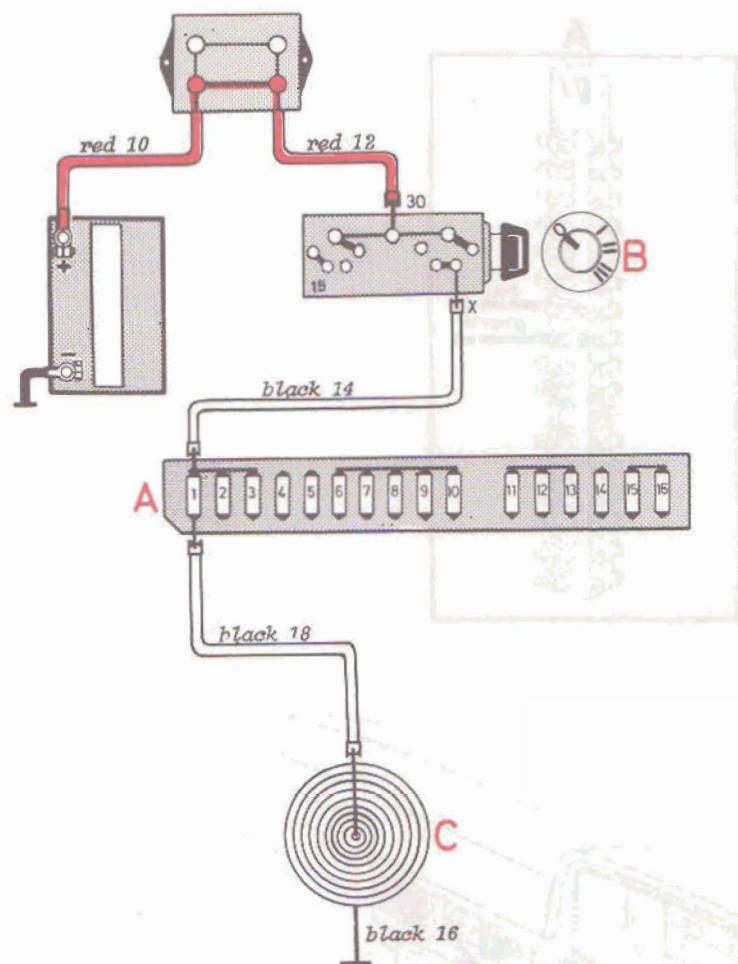




Cigarette lighter



Cigarette lighter



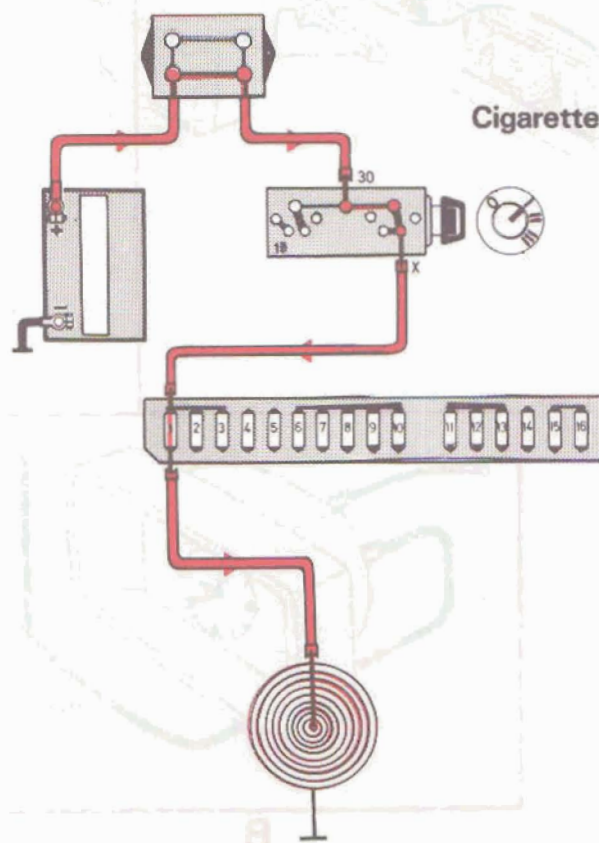
Fuse No. 1:

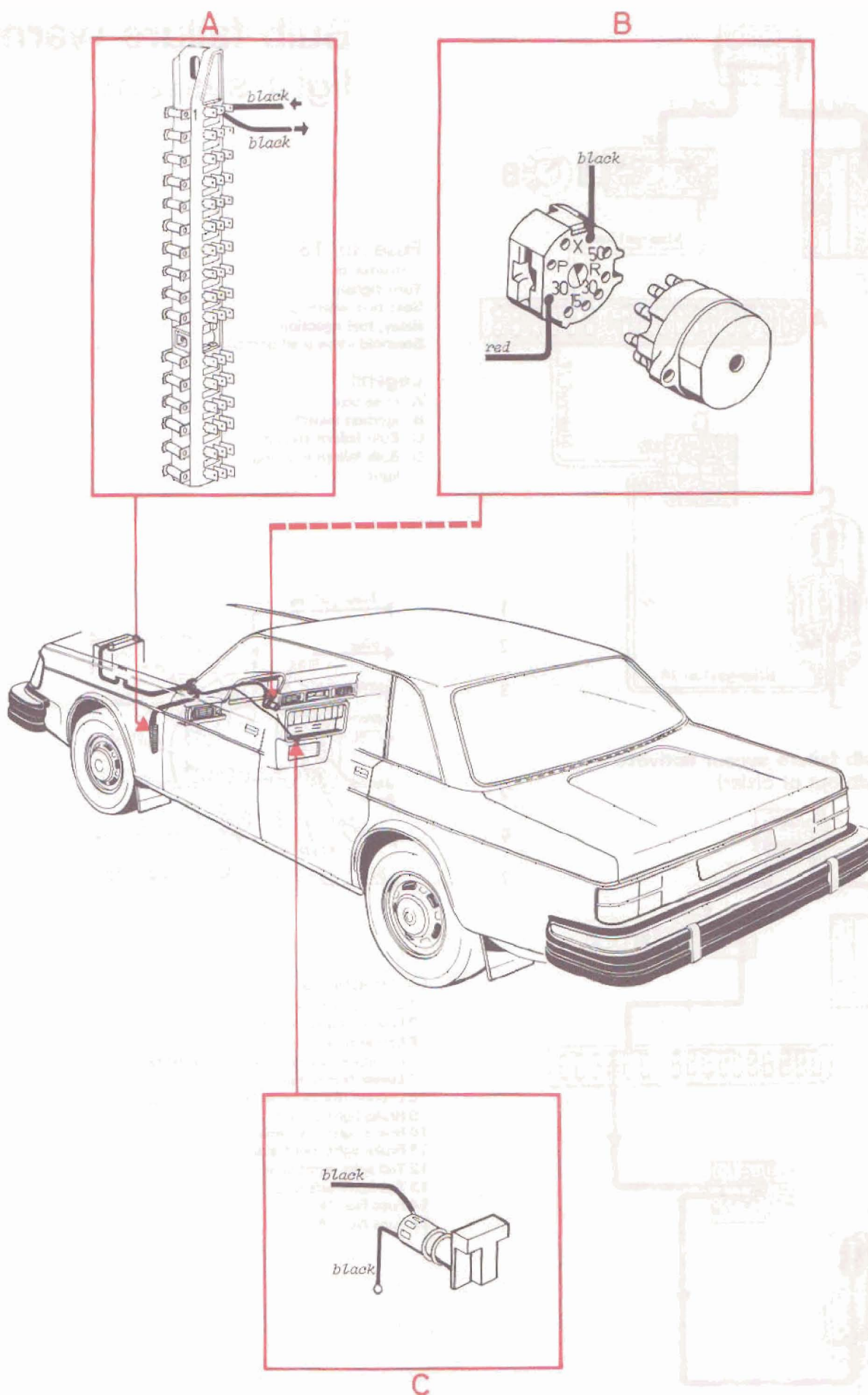
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)

Legend:

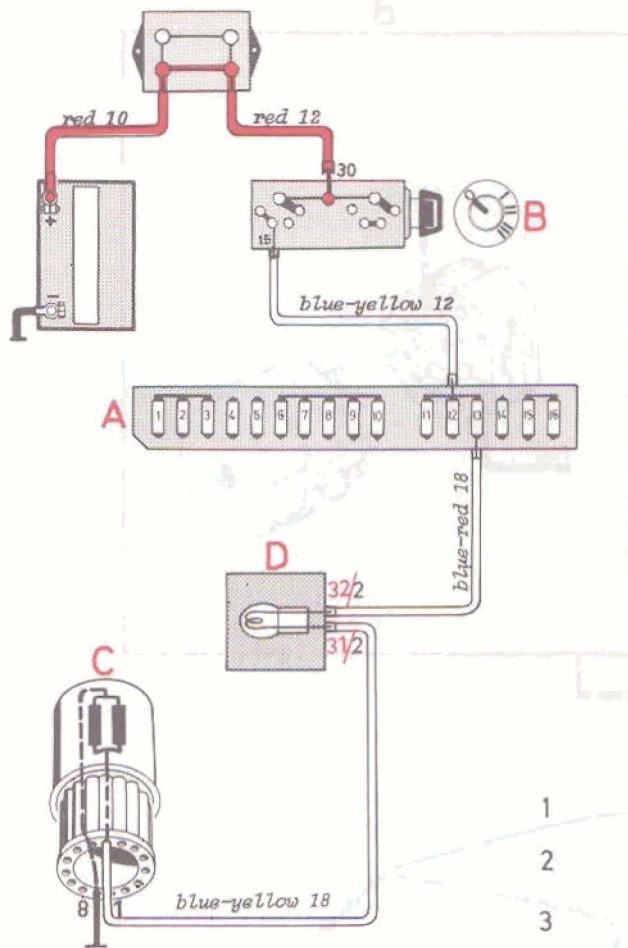
A Fuse box
B Ignition switch
C Cigarette lighter

Cigarette lighter ON.





Bulb failure warning light system



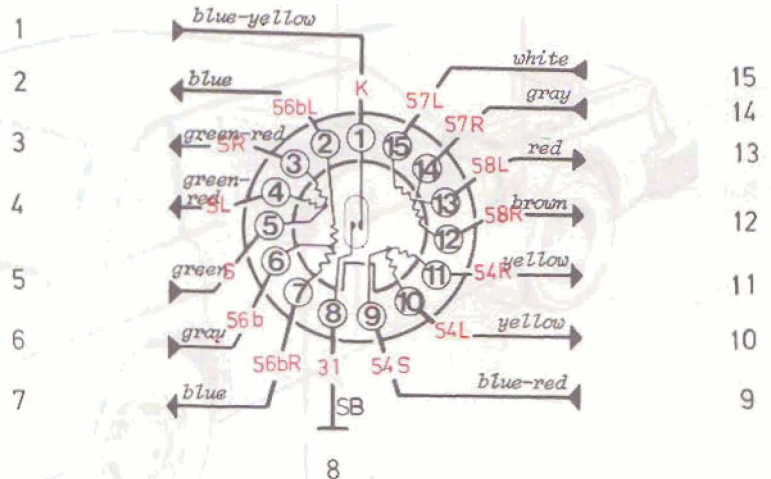
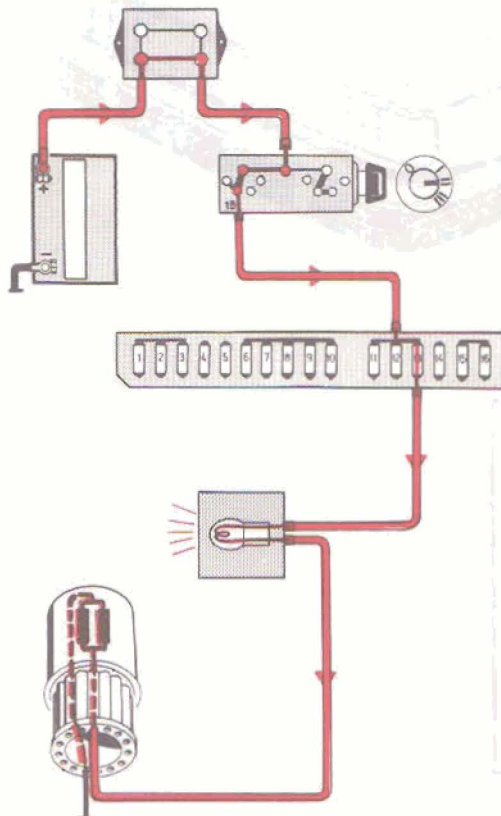
Fuse No. 13:

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

Legend:

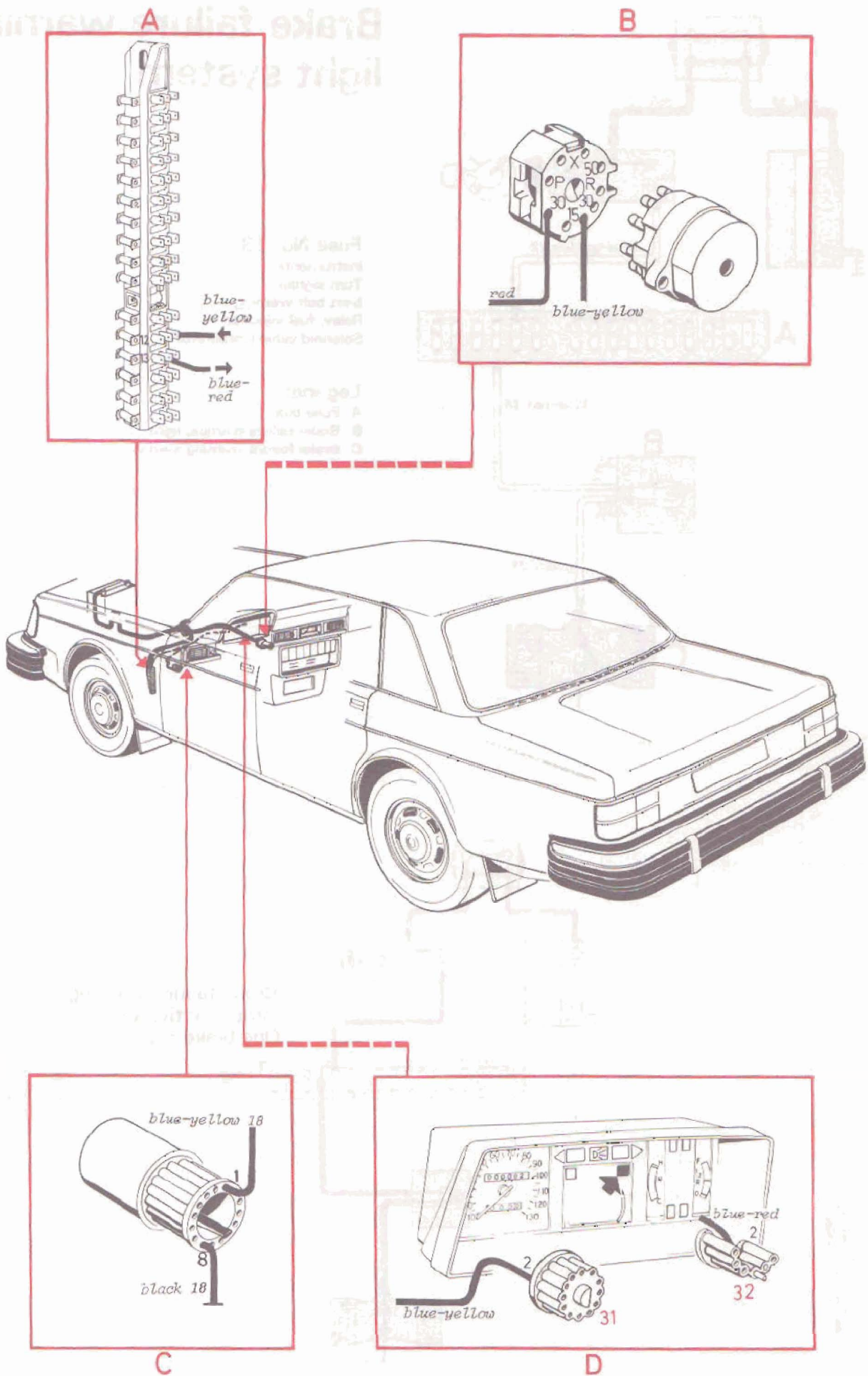
A Fuse box
B Ignition switch
C Bulb failure sensor
D Bulb failure warning light

Bulb failure sensor activated (bulb out of order)

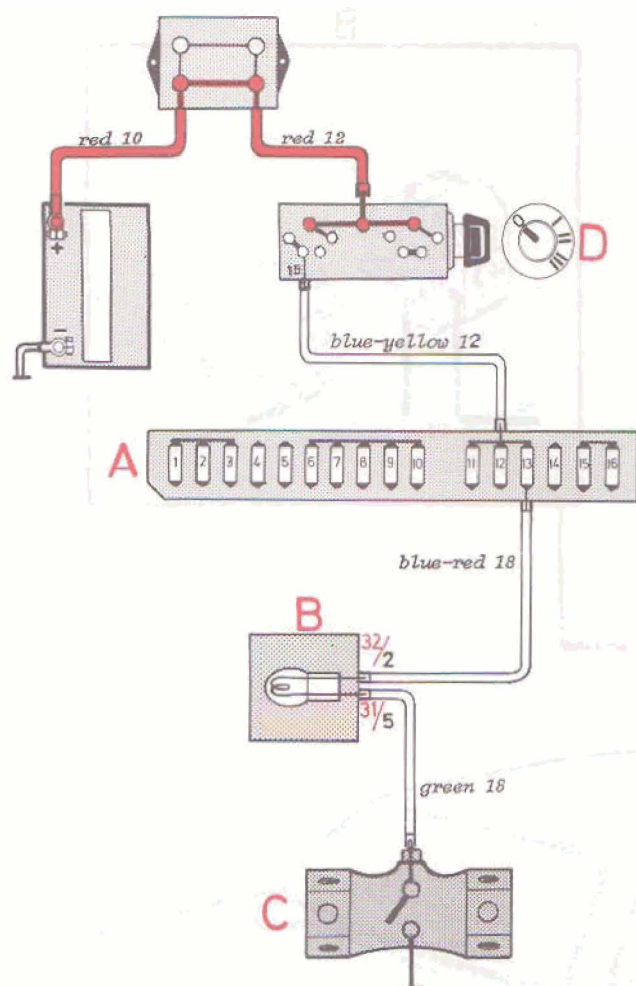


Connections

- 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

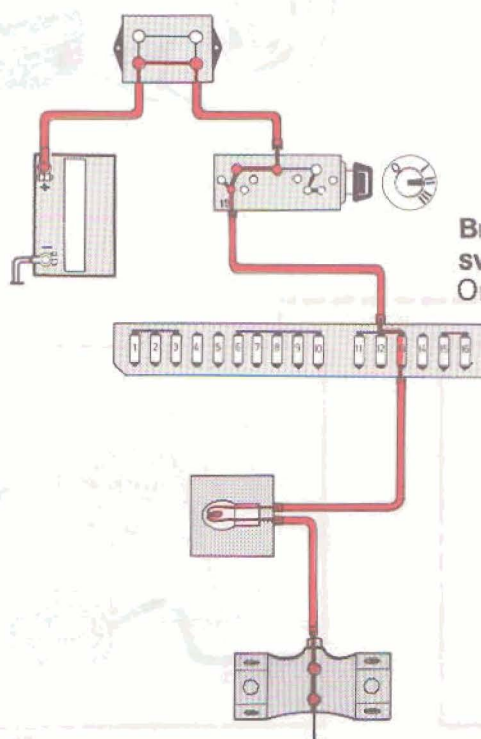


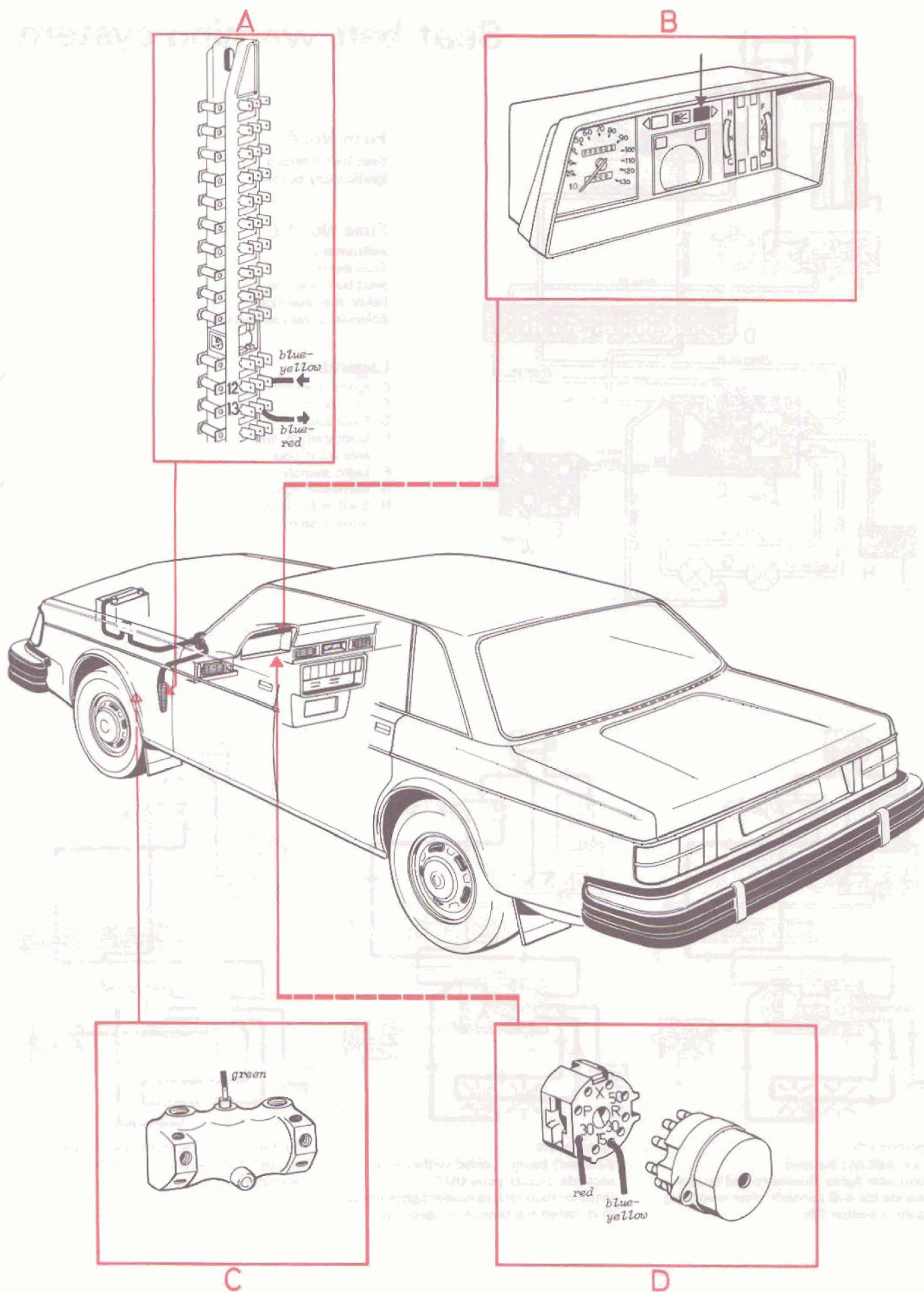
Fuse No. 13:

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

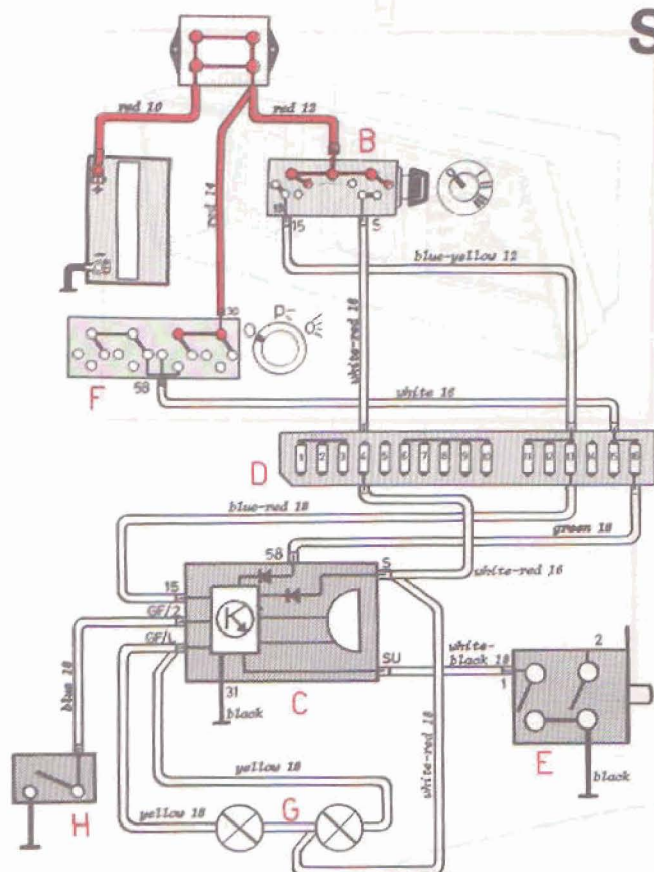
Legend:

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





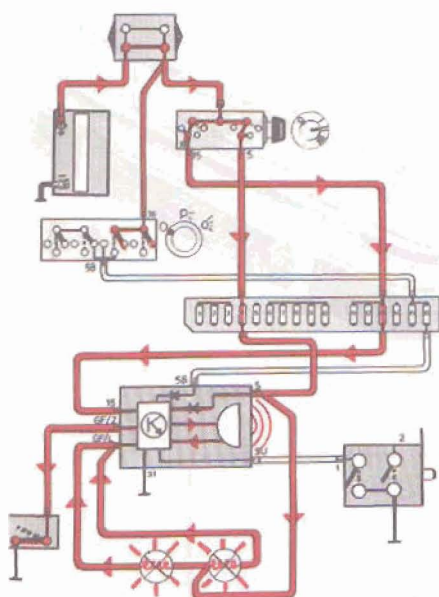
Seat belt warning system



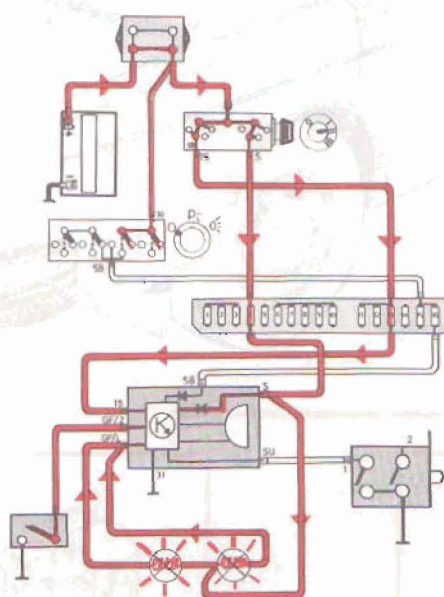
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

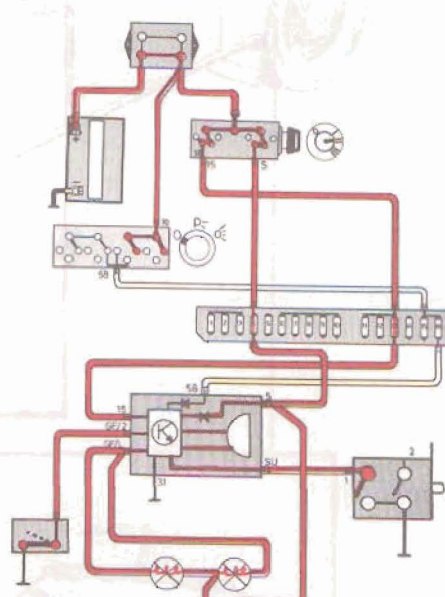
Legend:
B Ignition switch
C Buzzer relay
D Fuse box
E Door switch, left
side front door
F Light switch
G Reminder lights
H Switch for seat belt,
driver's seat



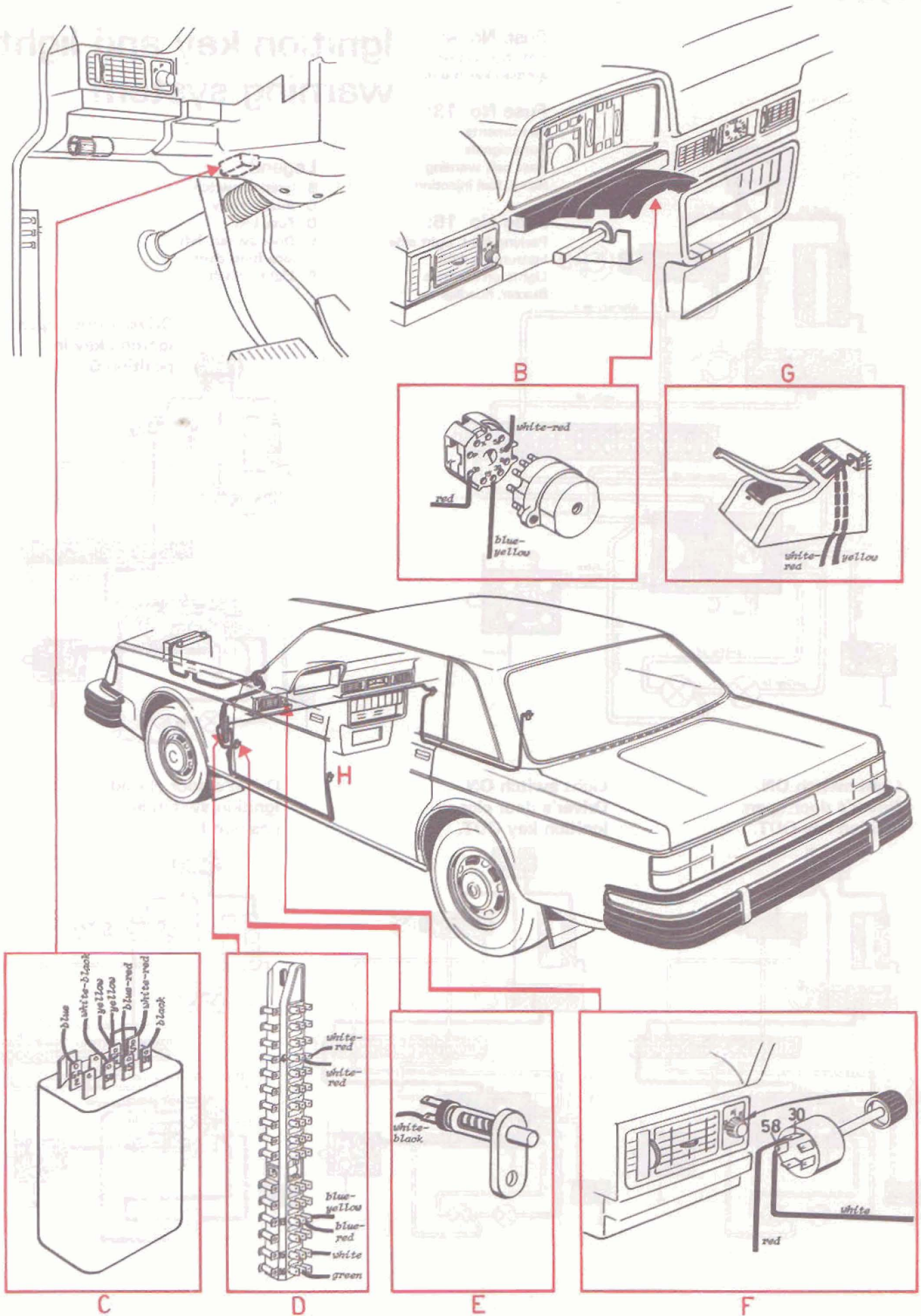
Ignition ON
Seat belt not buckled.
Reminder lights illuminate and buzzer
sounds for 4-8 seconds after switching
ignition switch ON.



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

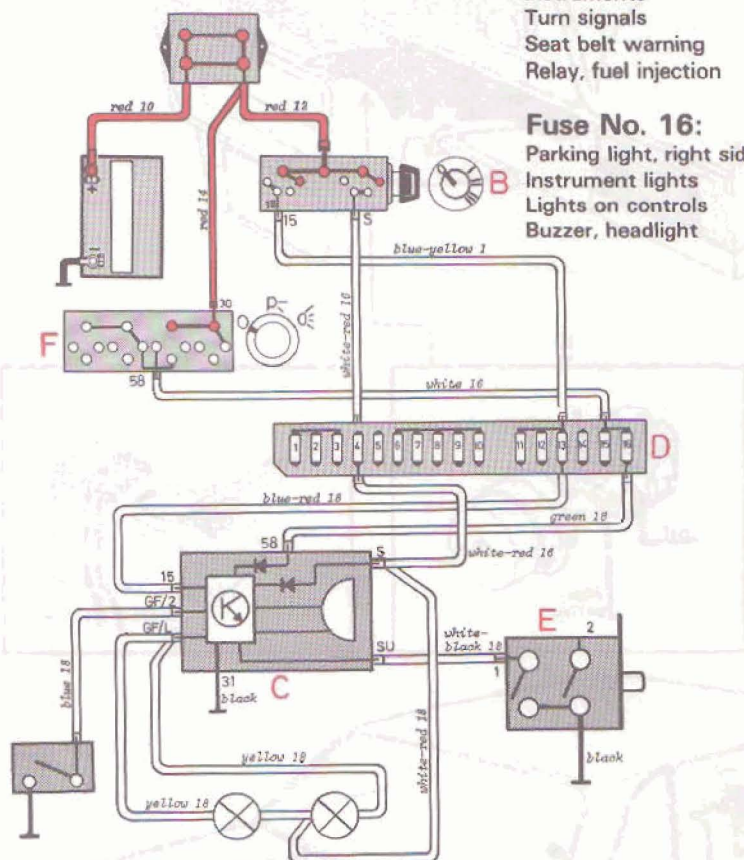
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

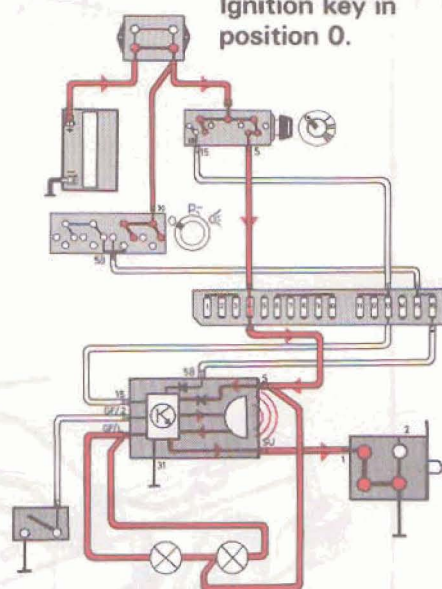
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

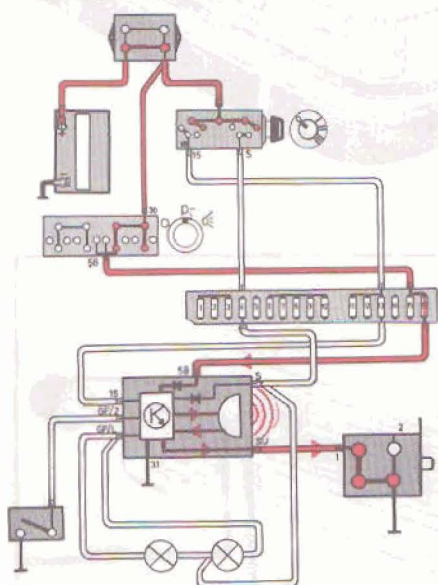
- B Ignition switch
- C Buzzer relay
- D Fuse box
- E Door switch, left side front door
- F Light switch



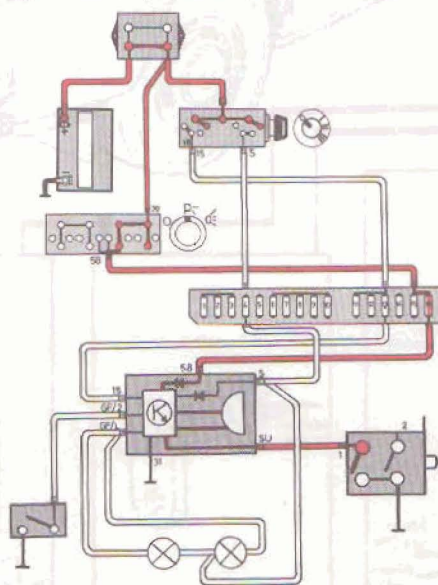
Driver's door open.
Ignition key in
position 0.



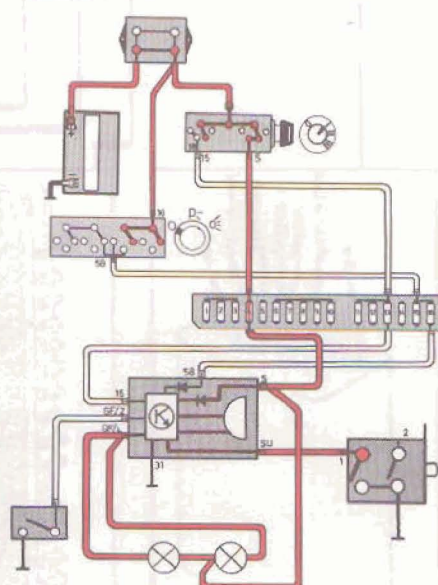
Light switch ON.
Driver's door open.
Ignition key OUT.



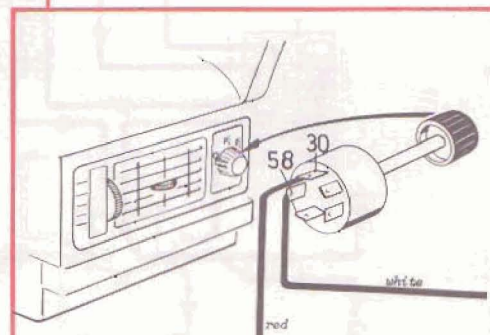
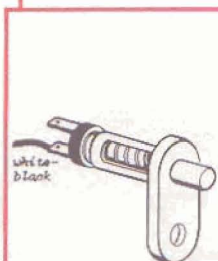
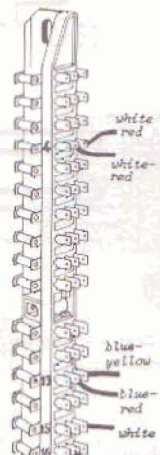
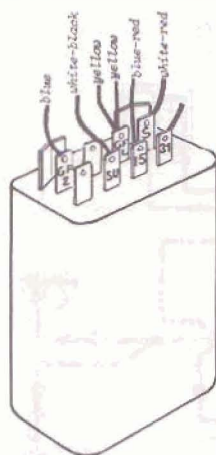
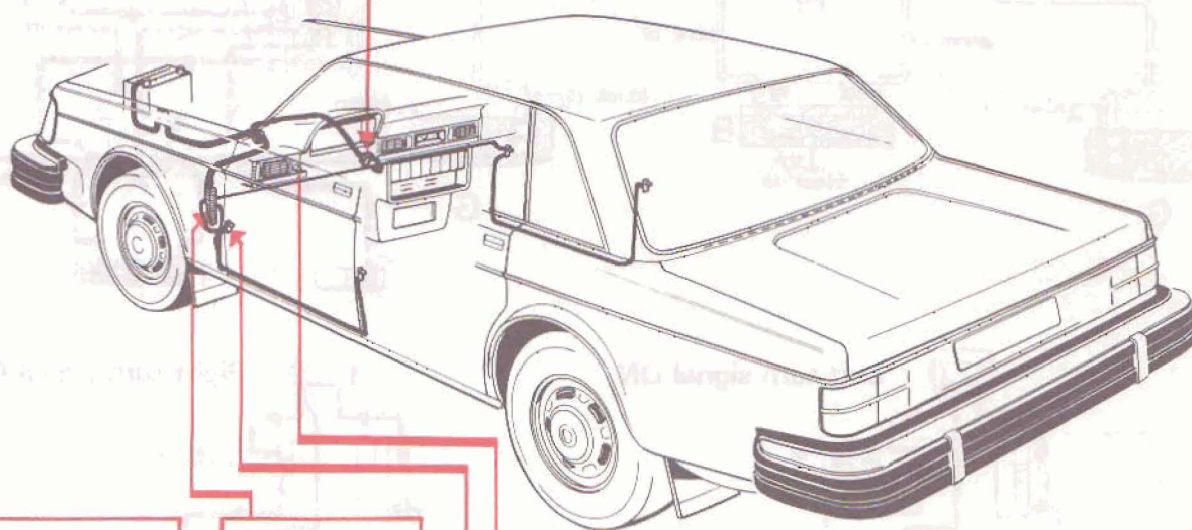
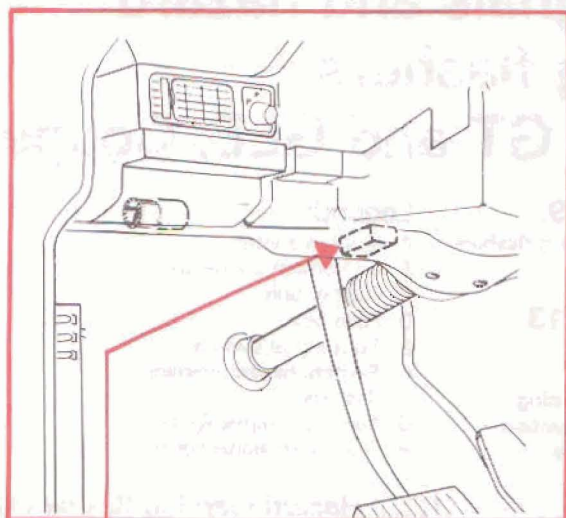
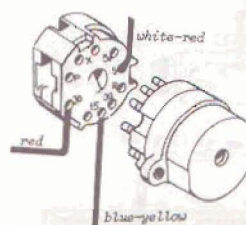
Light switch ON.
Driver's door closed.
Ignition key OUT.



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



B



C

D

E

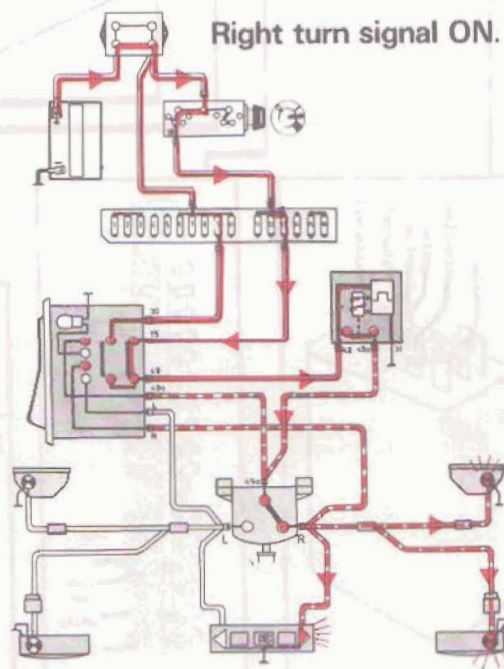
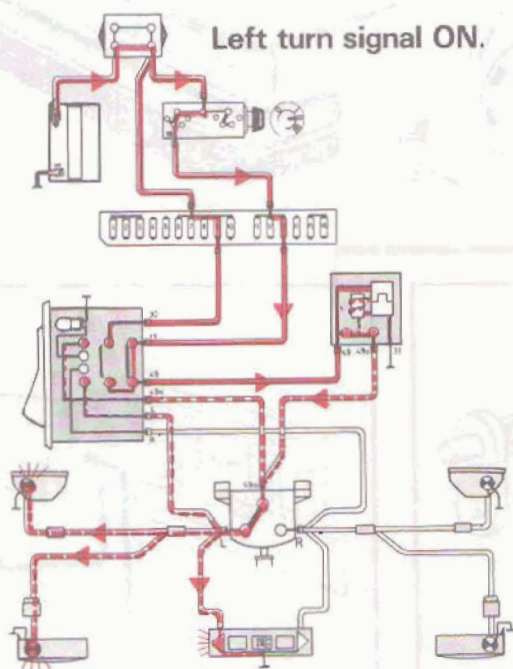
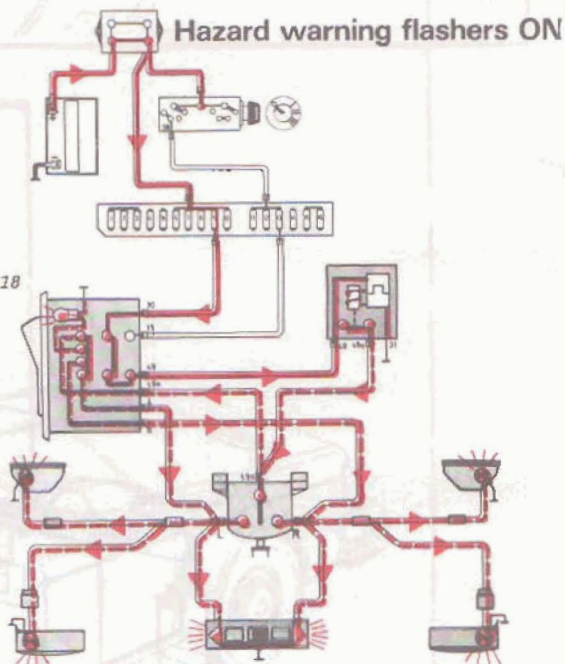
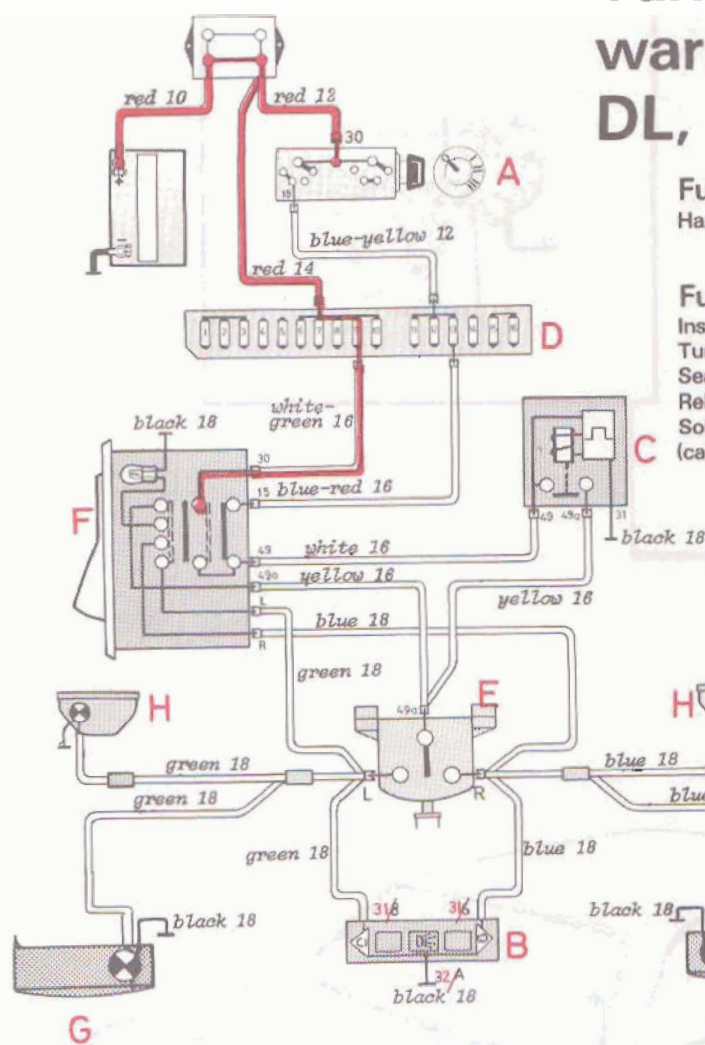
F

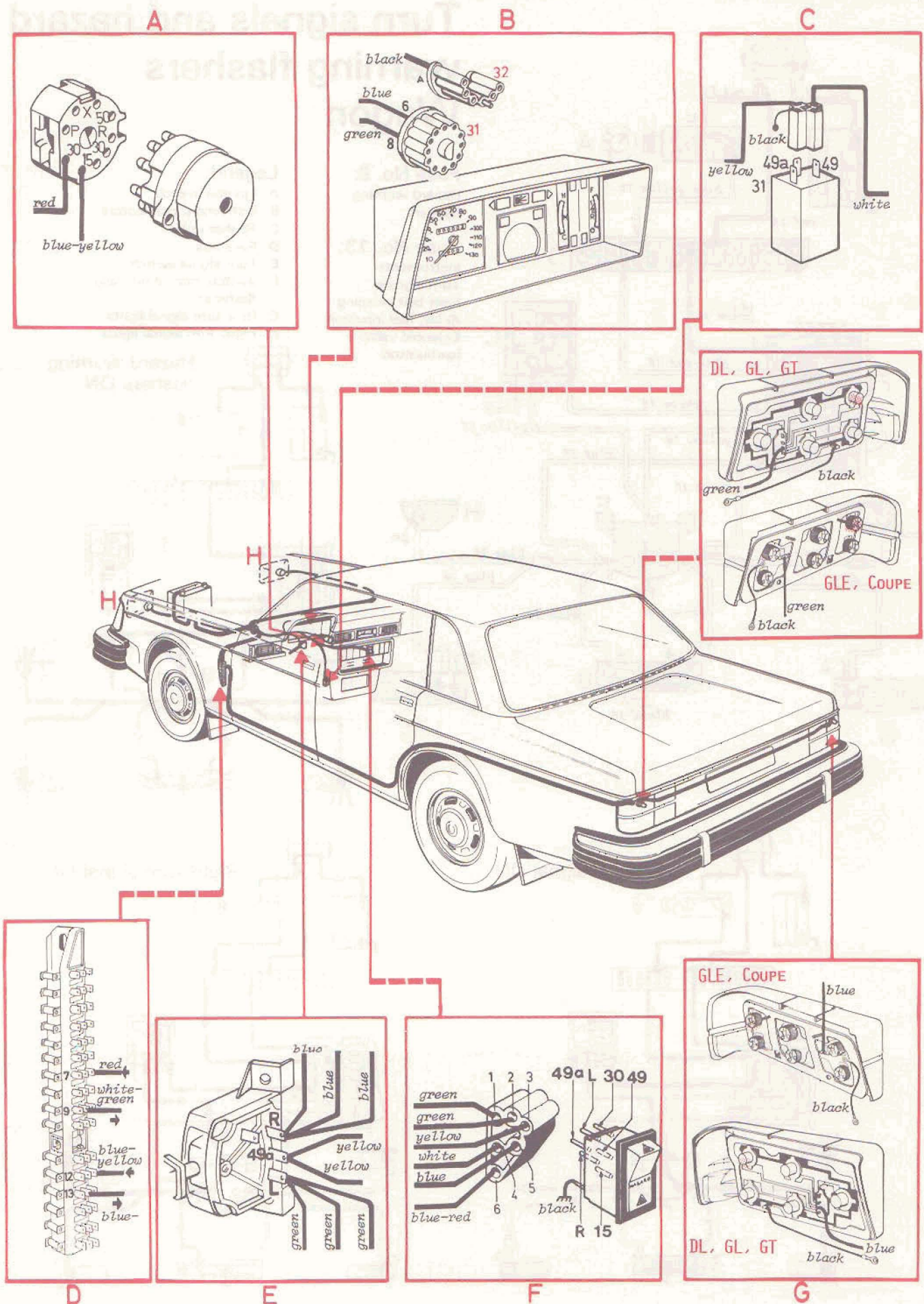
Turn signals and hazard warning flashers DL, GL, GT and GLE, Coupe

Fuse No. 9:
Hazard warning flashers

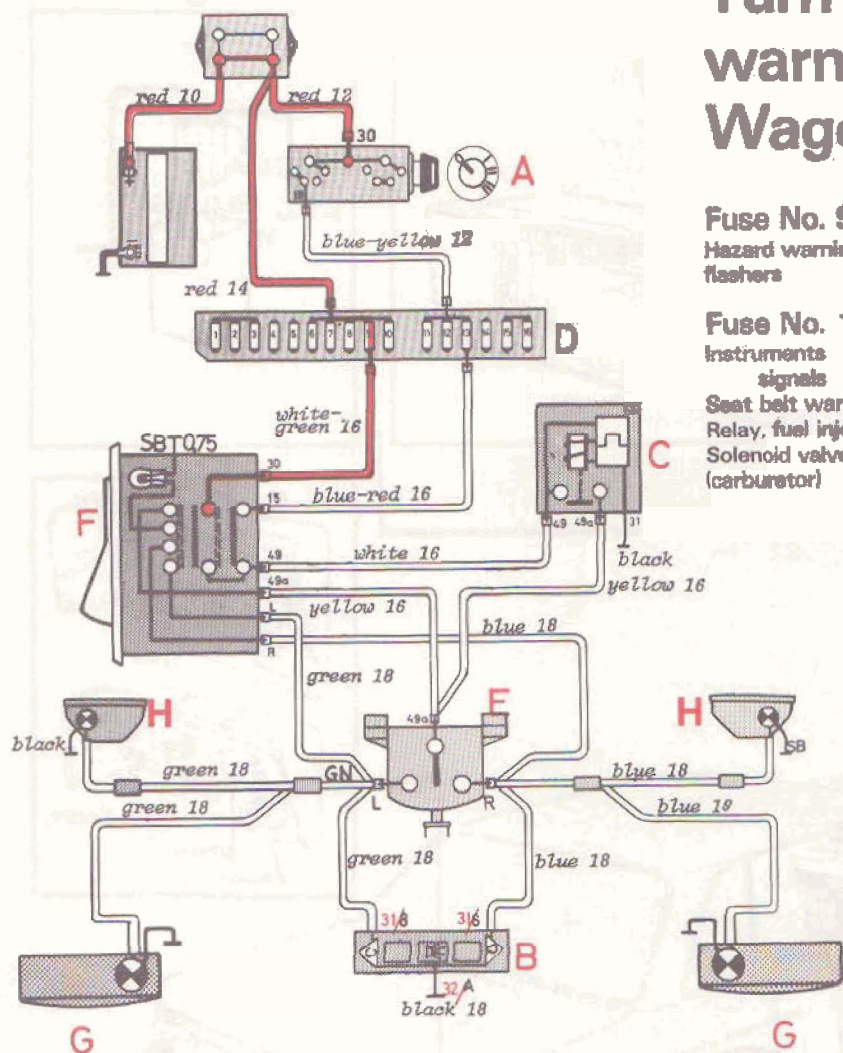
Fuse No. 13:
Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve
(carburetor)

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



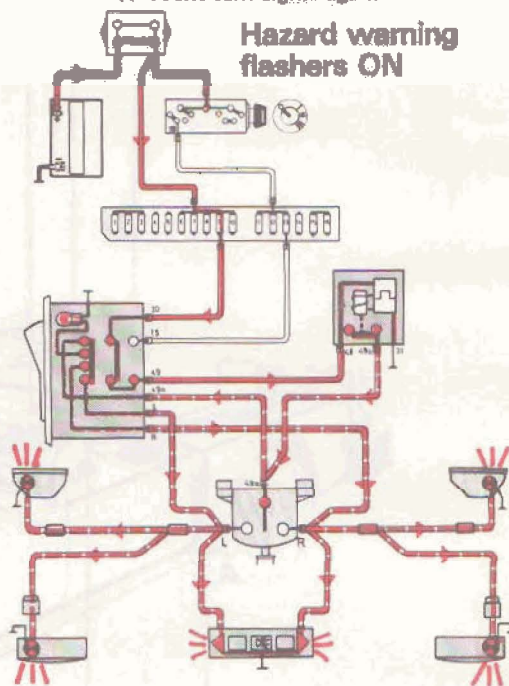
Fuse No. 9:
Hazard warning
flashers

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

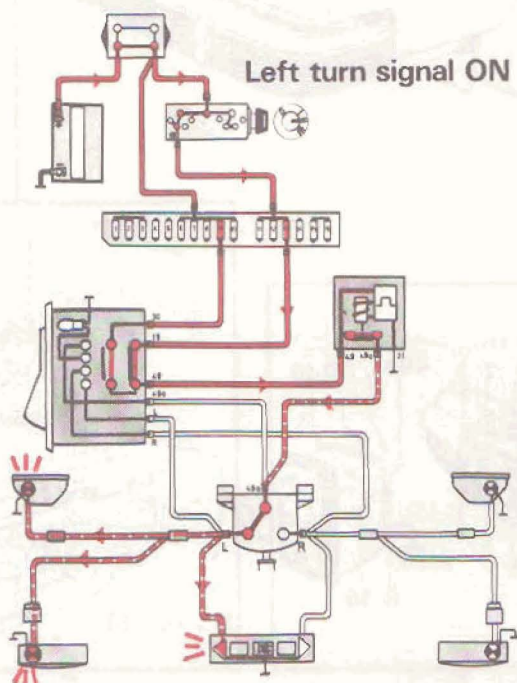
Legend:

- A Ignition switch
- B Instrument connectors
- 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

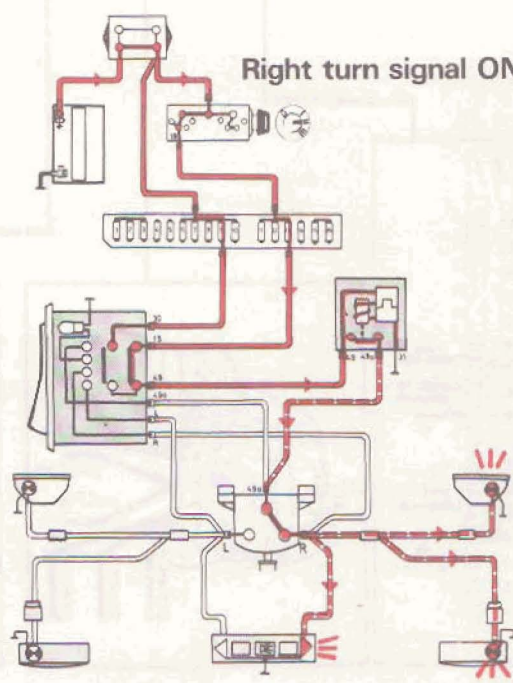
Hazard warning flashers ON

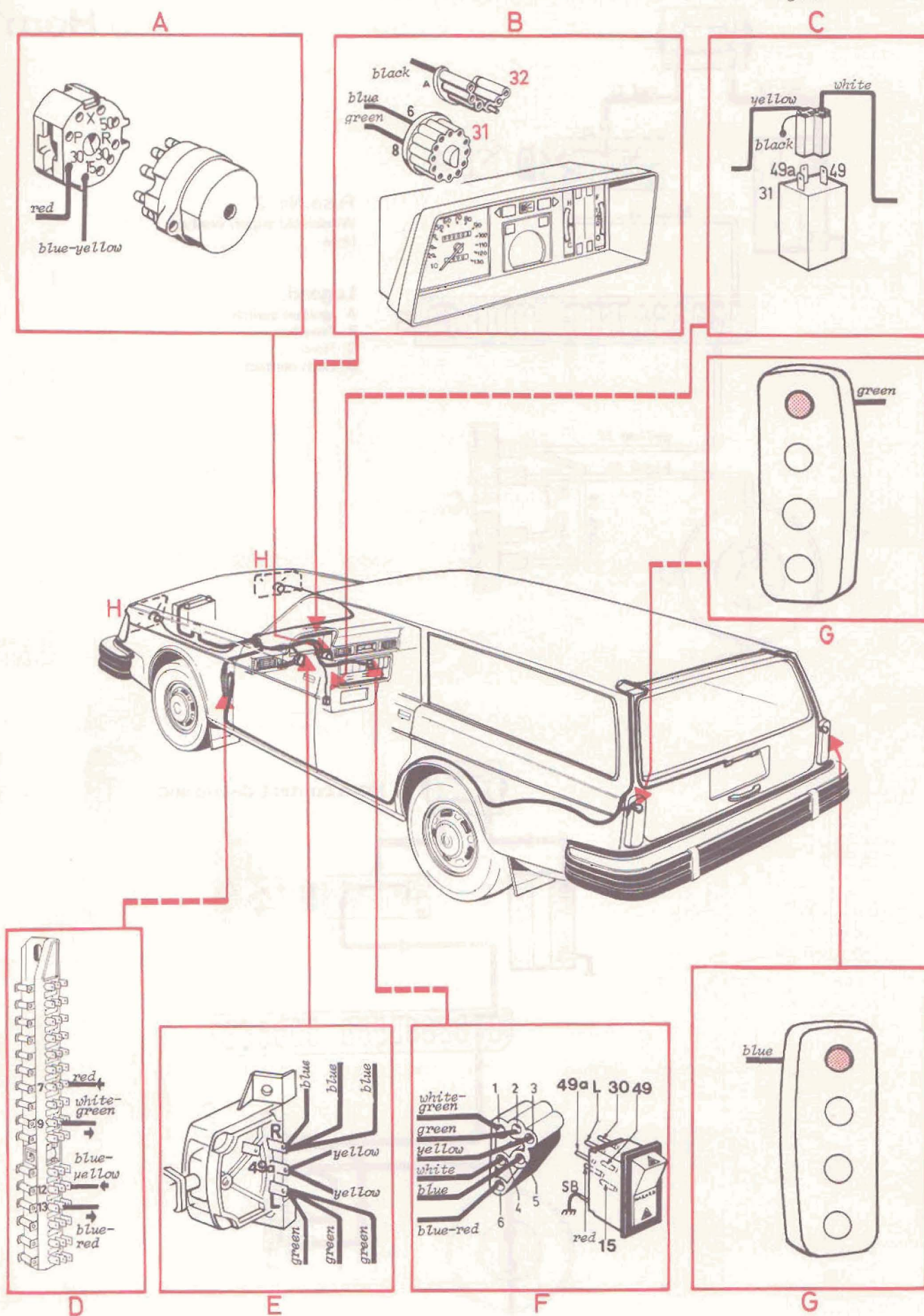


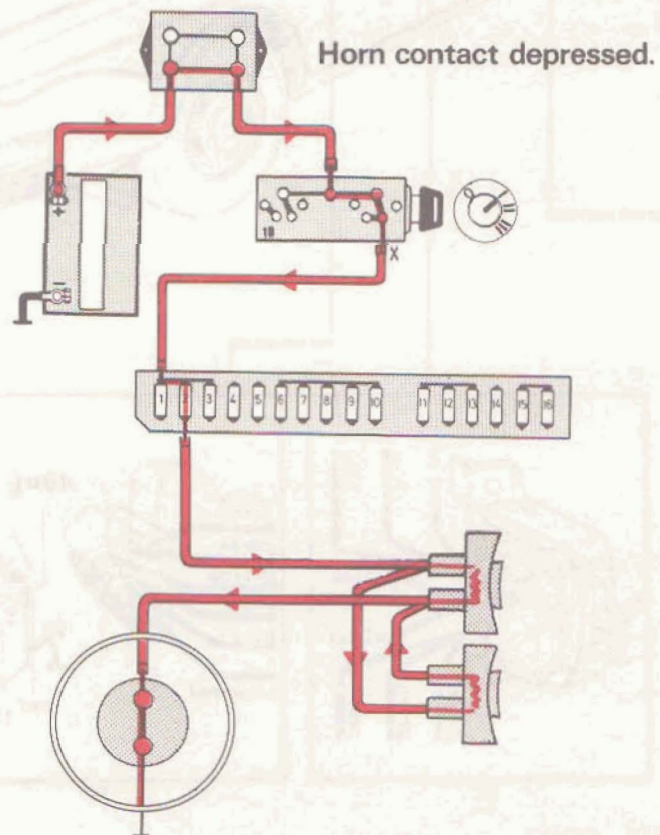
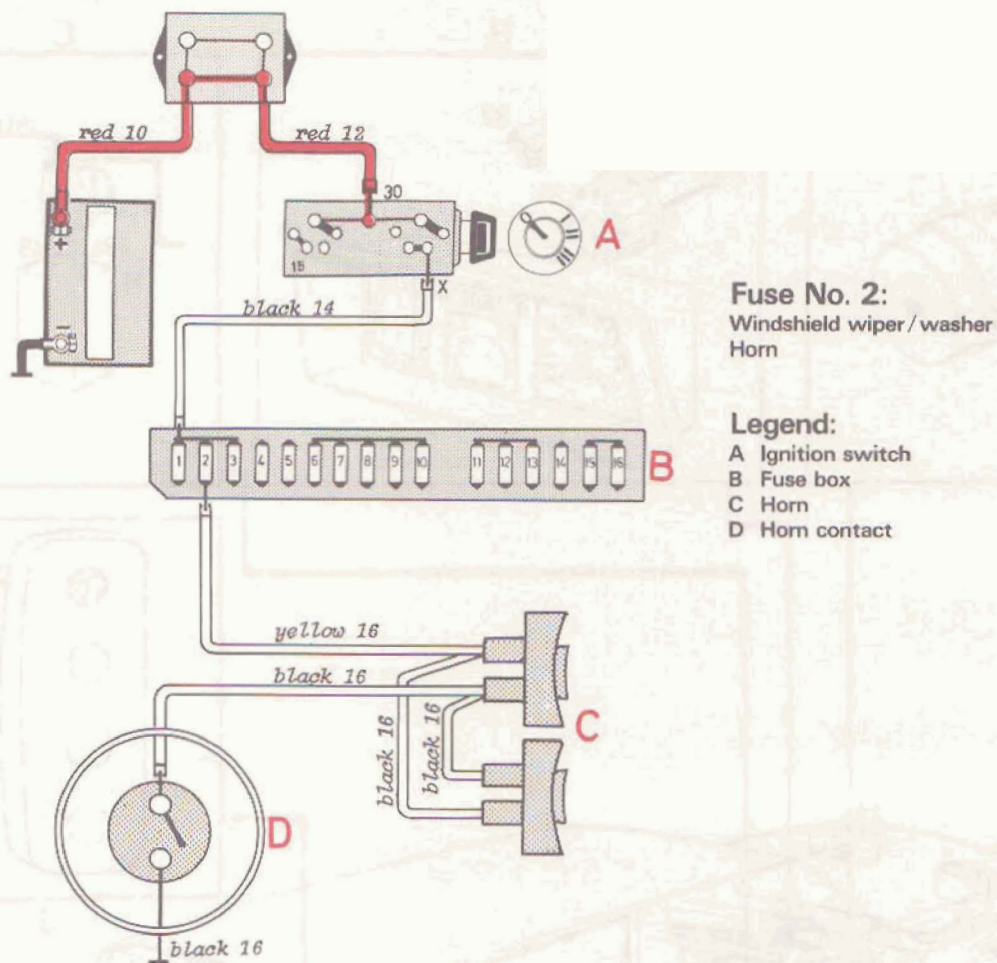
Left turn signal ON

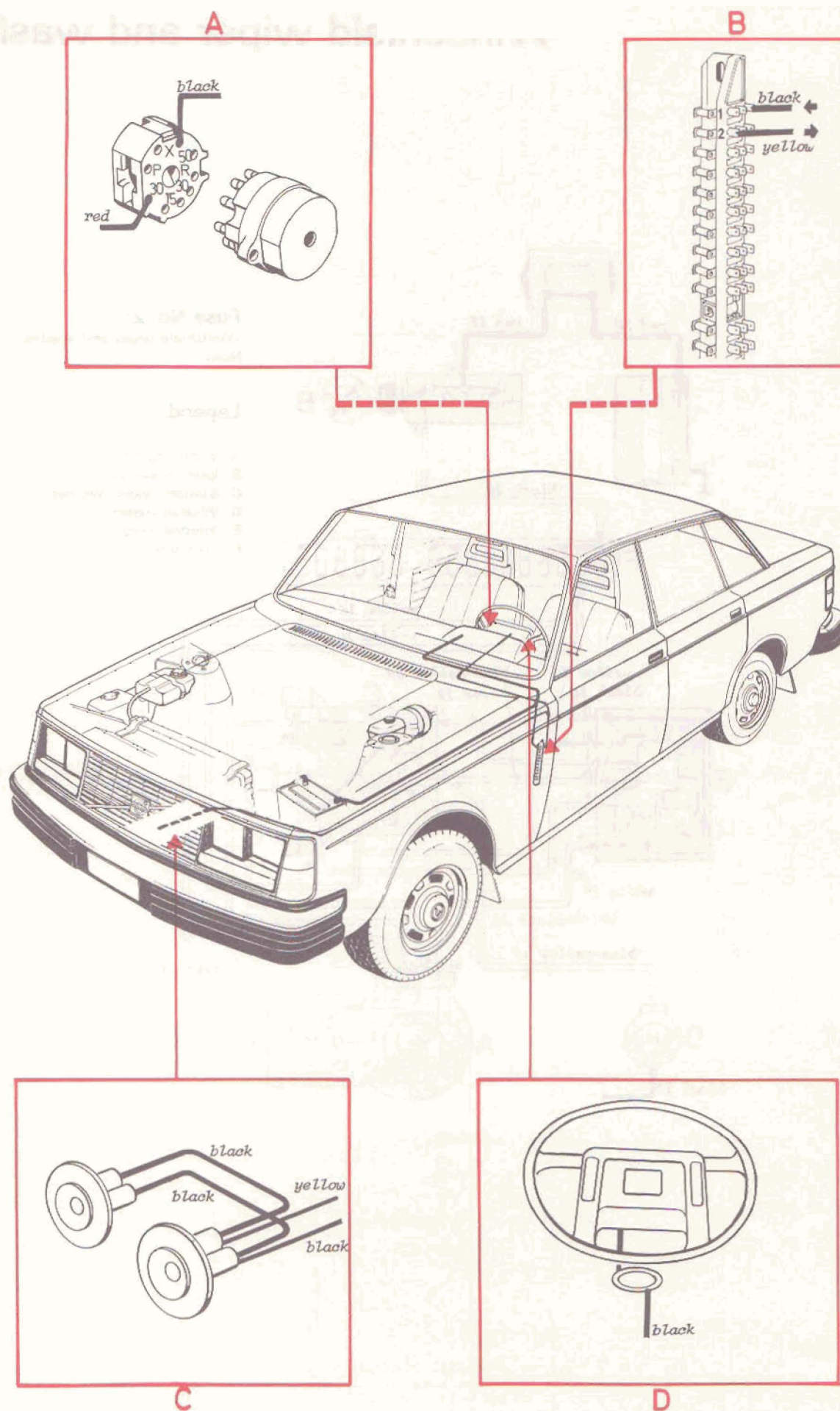


Right turn signal ON

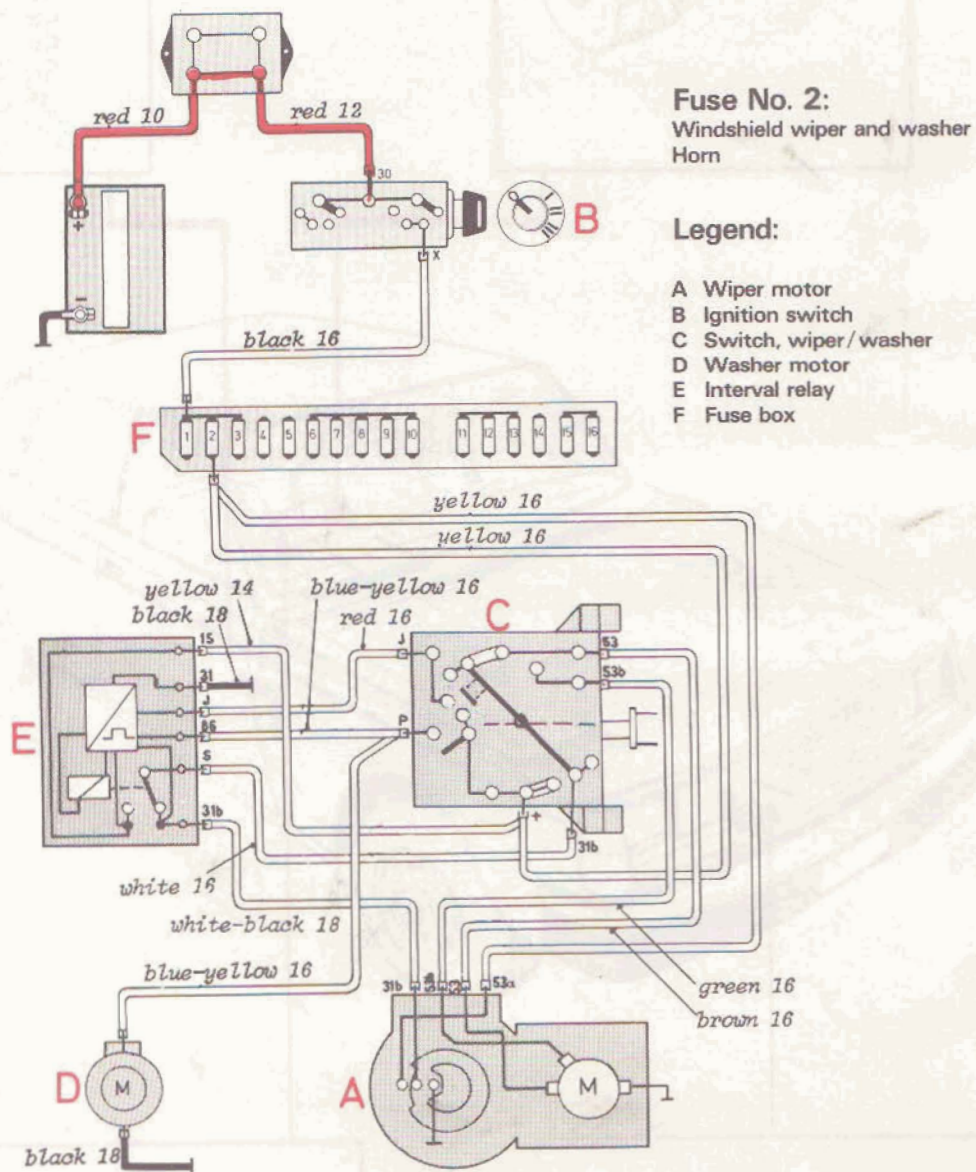


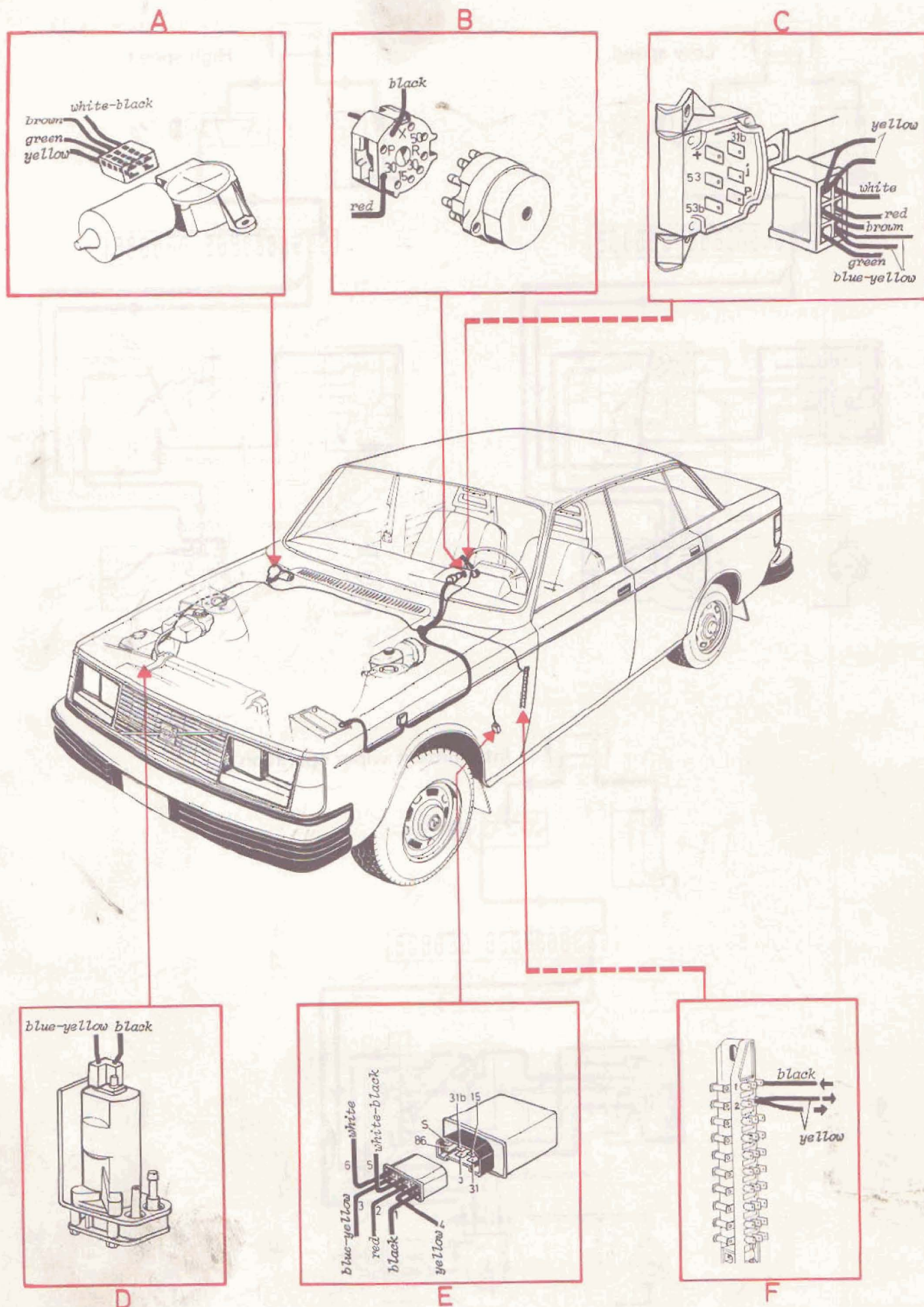


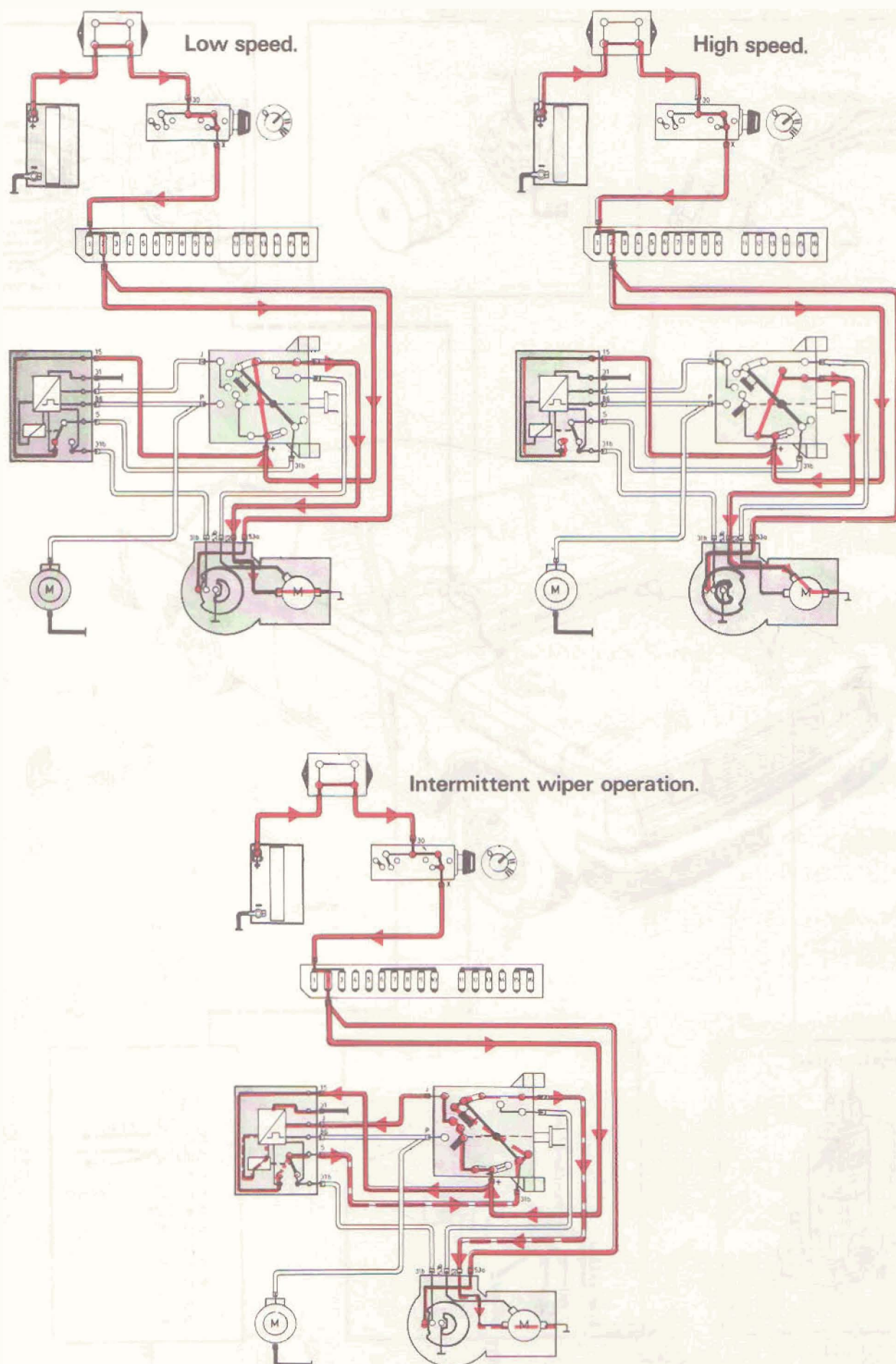


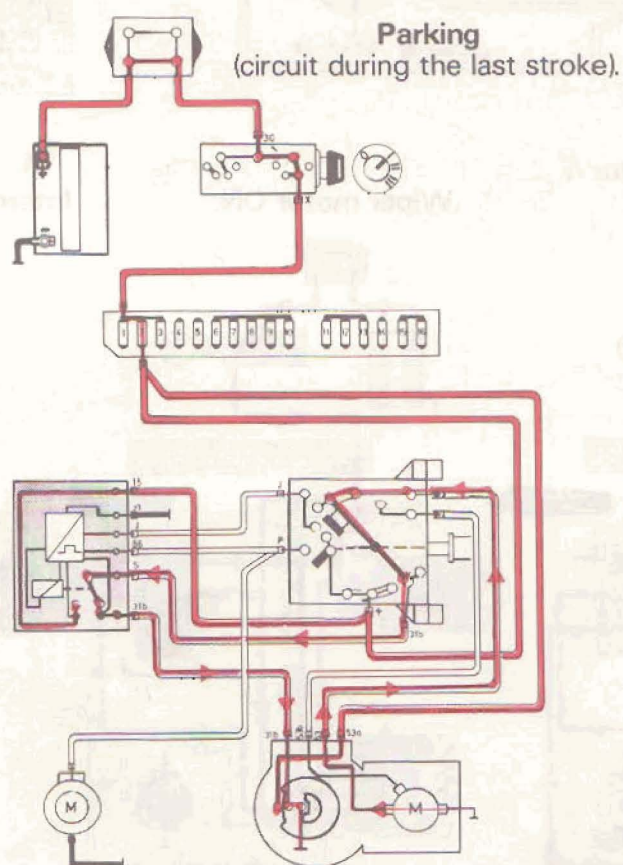
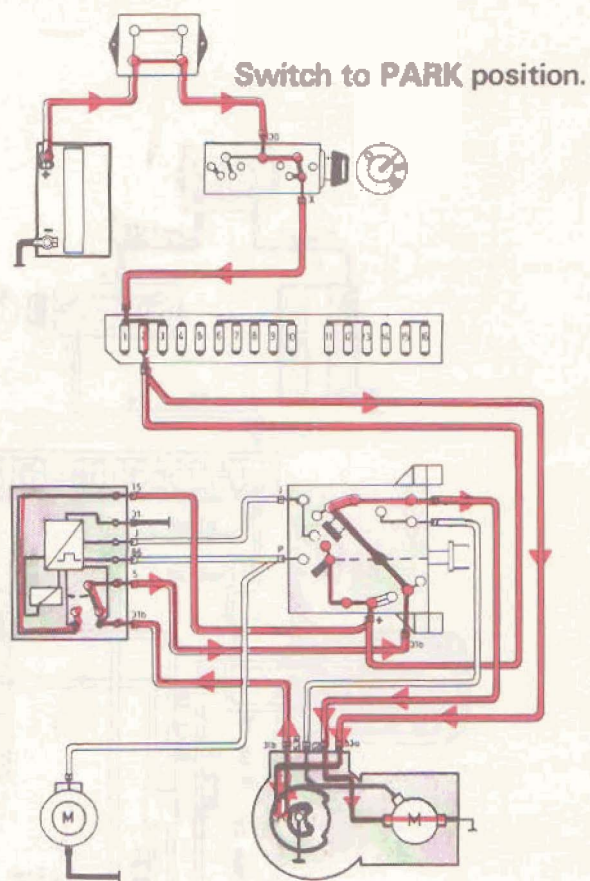
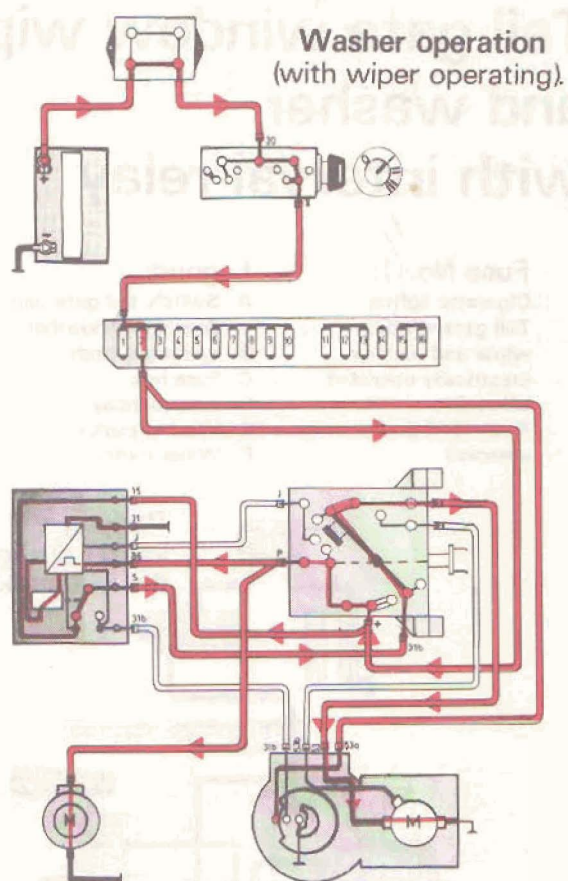


Windshield wiper and washer

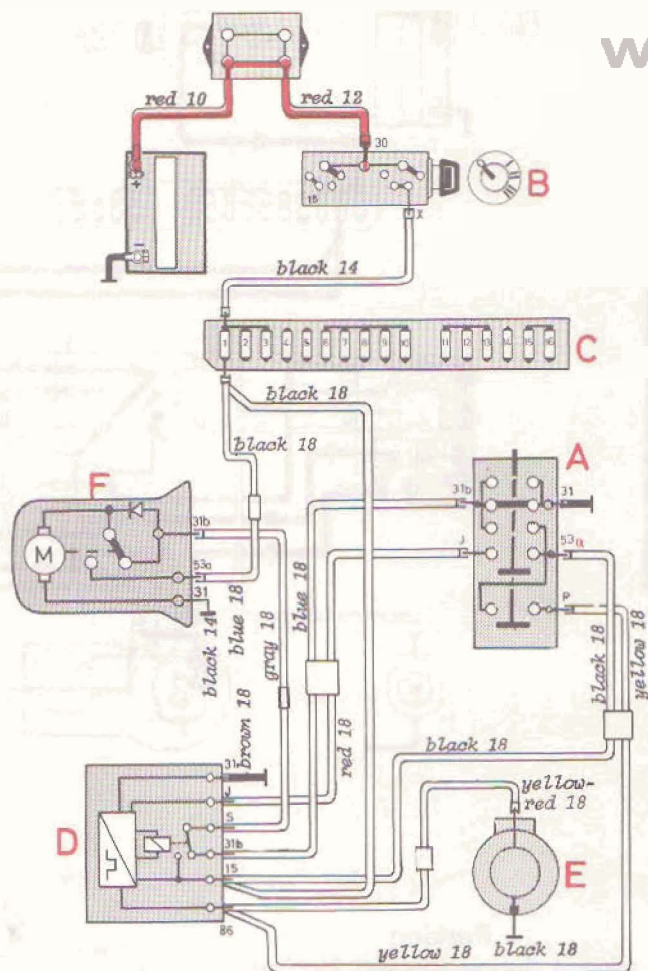








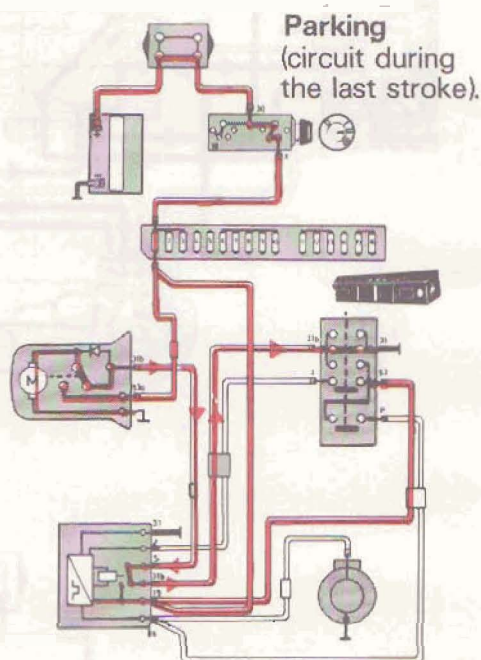
Tail gate window wiper and washer, with interval relay



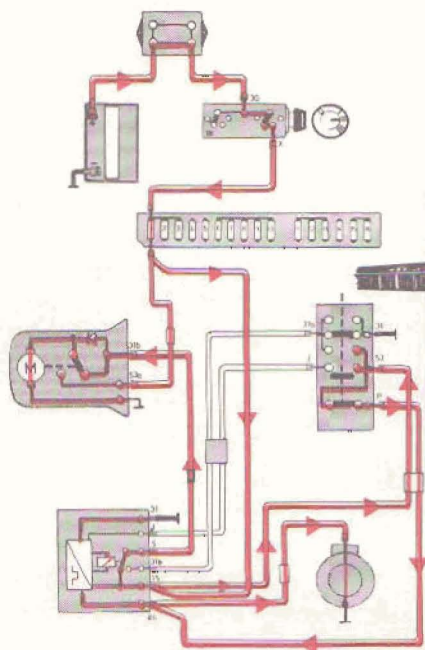
Fuse No. 1:
Cigarette lighter
Tail gate window
wiper and washer
Electrically operated
side mirrors
Radio (and power
antenna)

Legend:

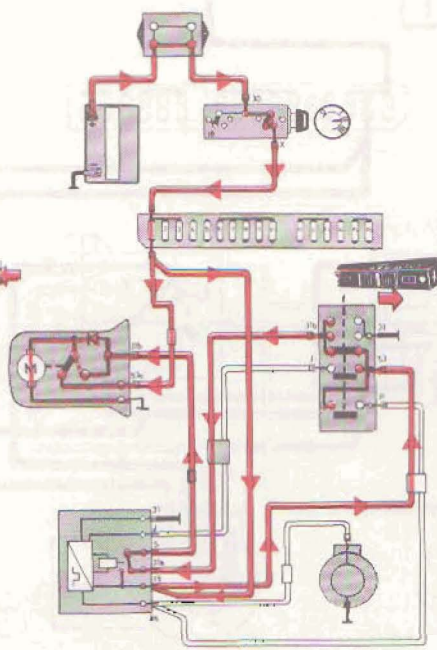
- A Switch, tail gate win-
dow wiper / washer
- B Ignition switch
- C Fuse box
- D Interval relay
- E Washer motor
- F Wiper motor



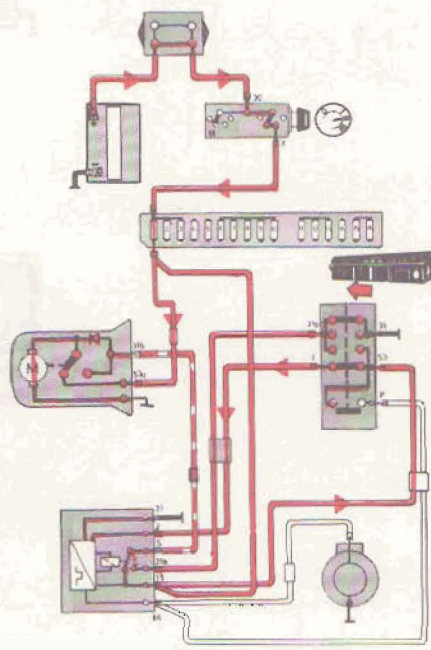
**Washer ON. Wiper motor
makes a few strokes.**



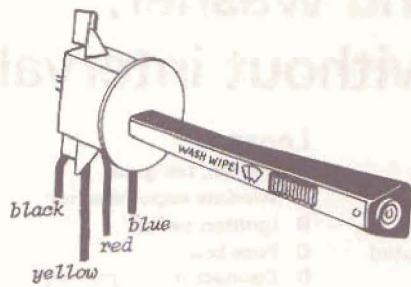
Wiper motor ON.



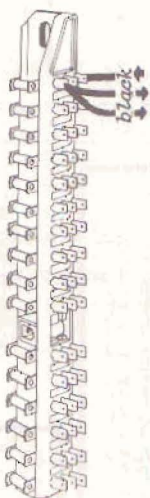
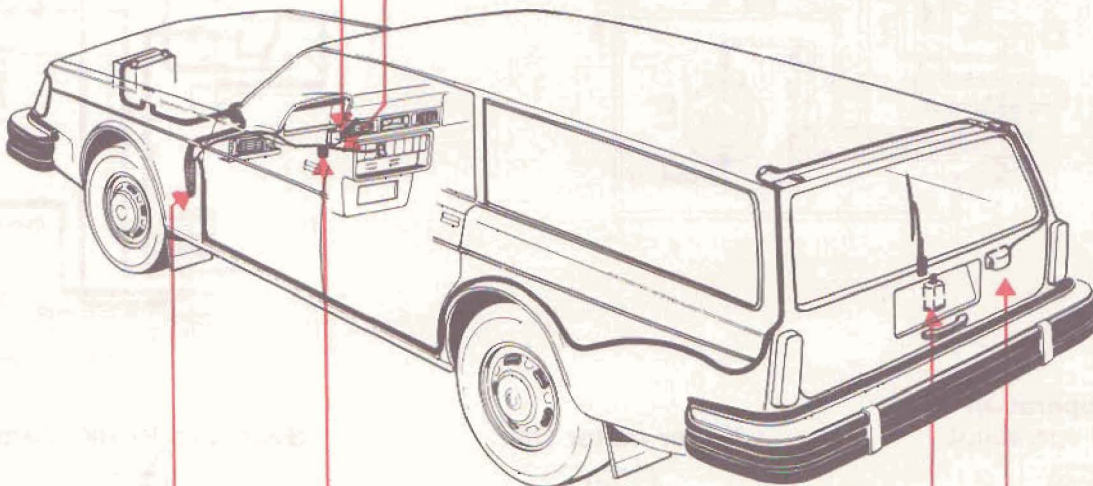
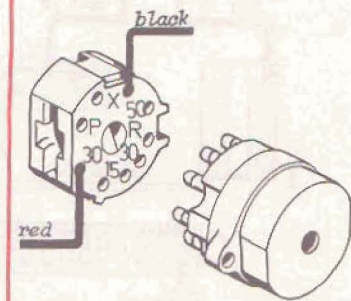
Intermittent wiper operation.



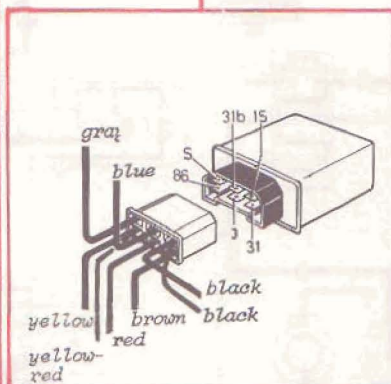
A



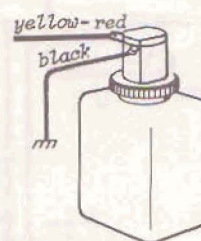
B



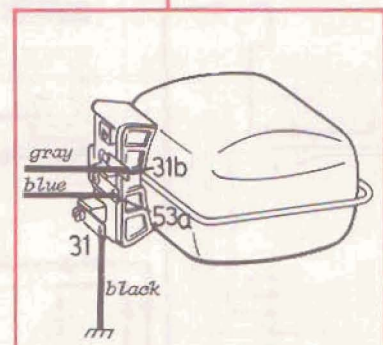
C



D

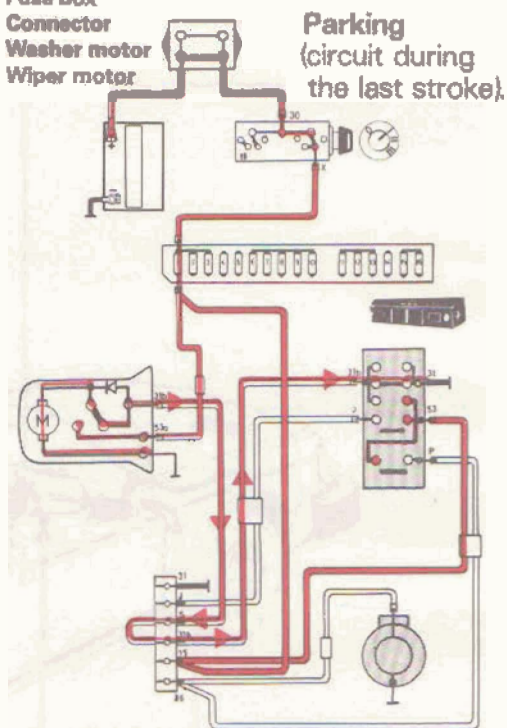
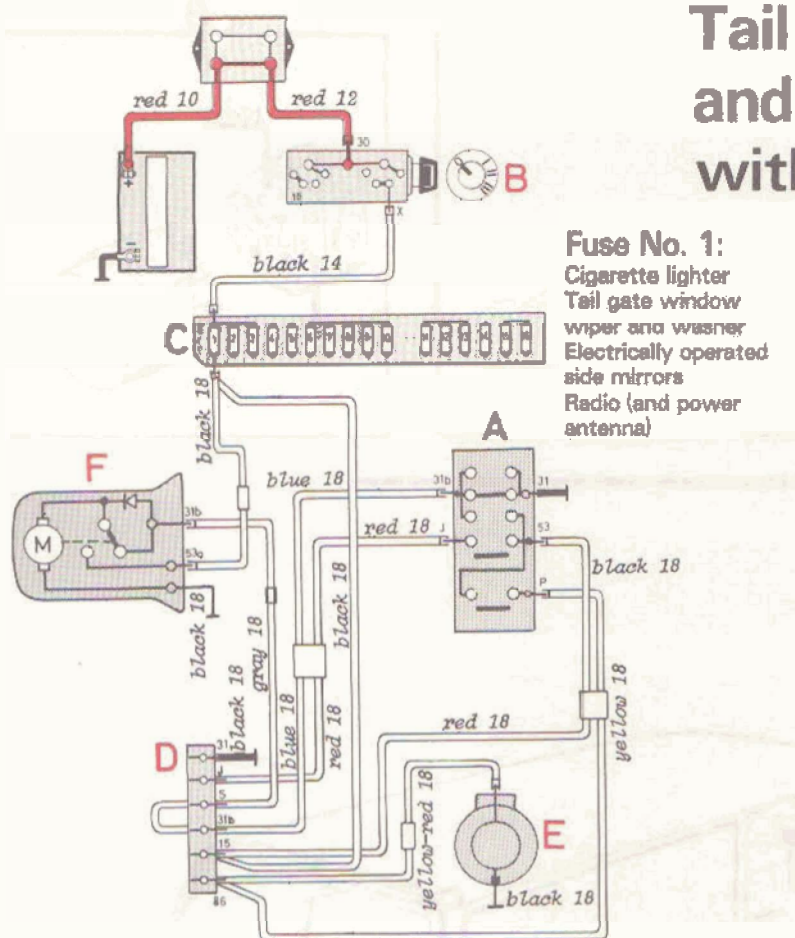


E

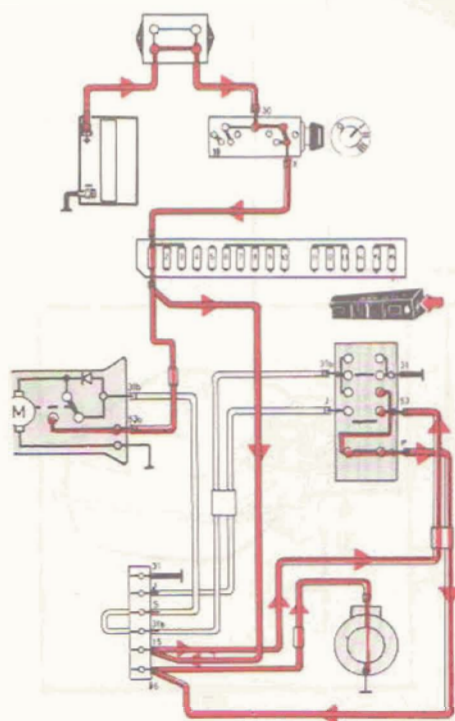


F

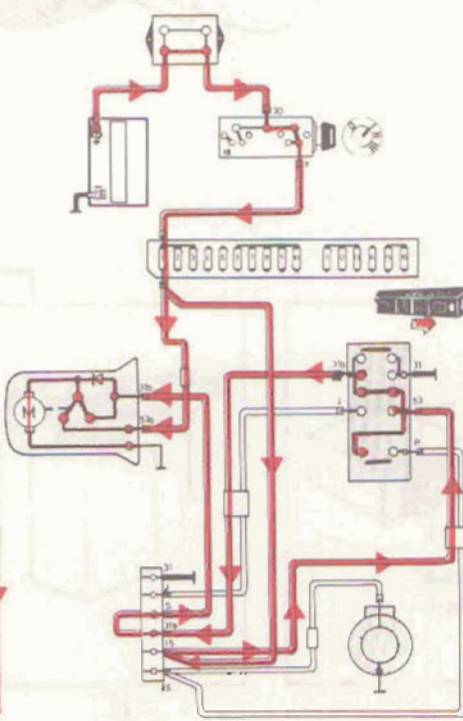
Tail gate window wiper and washer, without interval relay



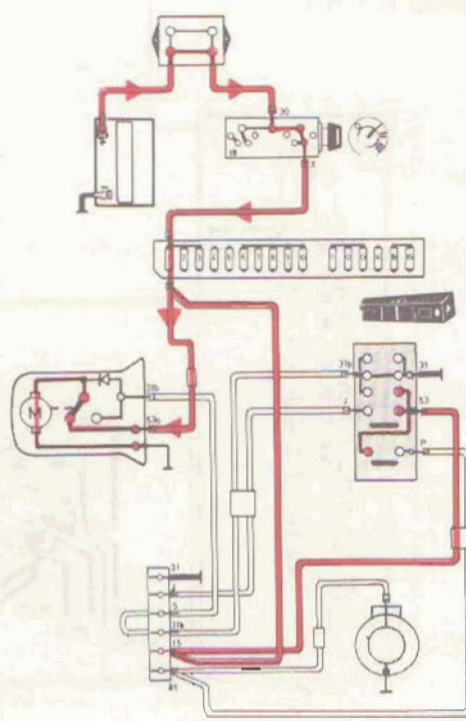
Washer operation
(with wiper operating).



Wiper motor ON.

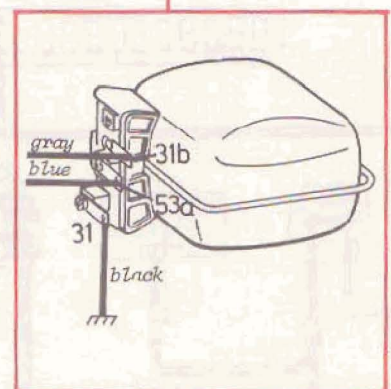
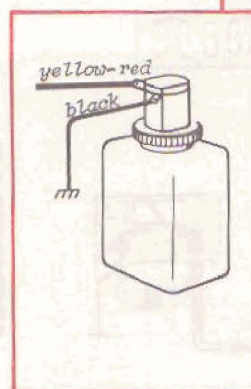
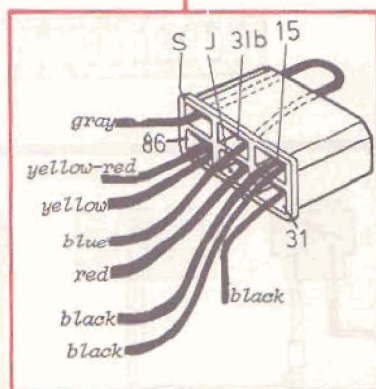
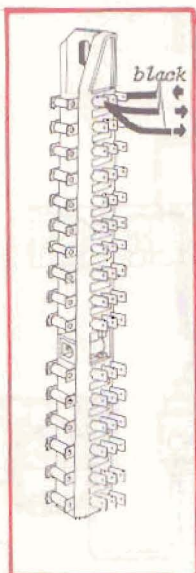
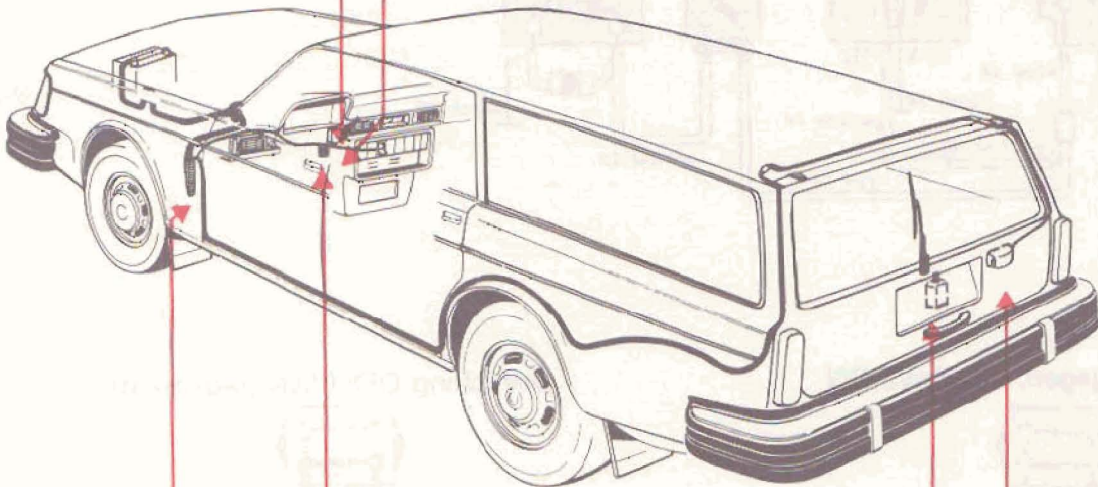
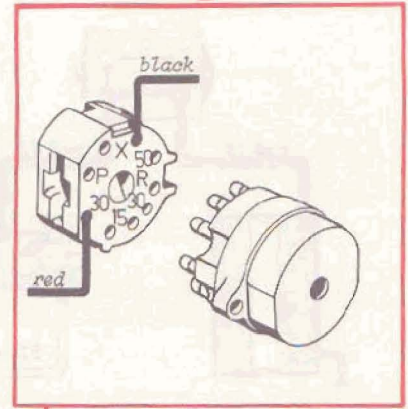
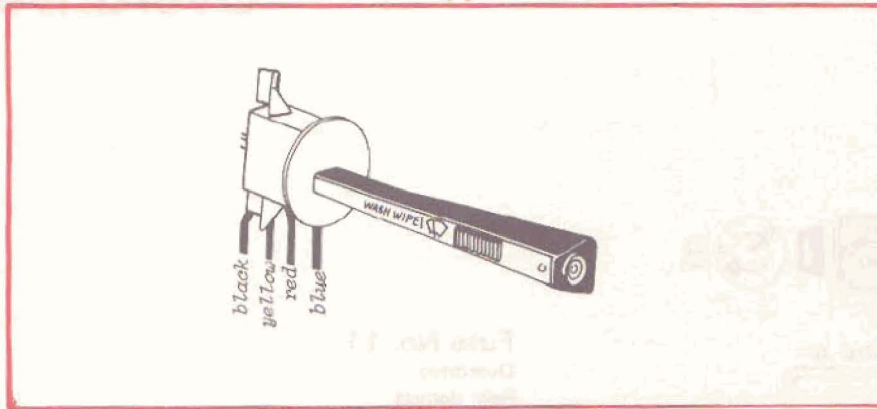


Switch to PARK position.



A

B



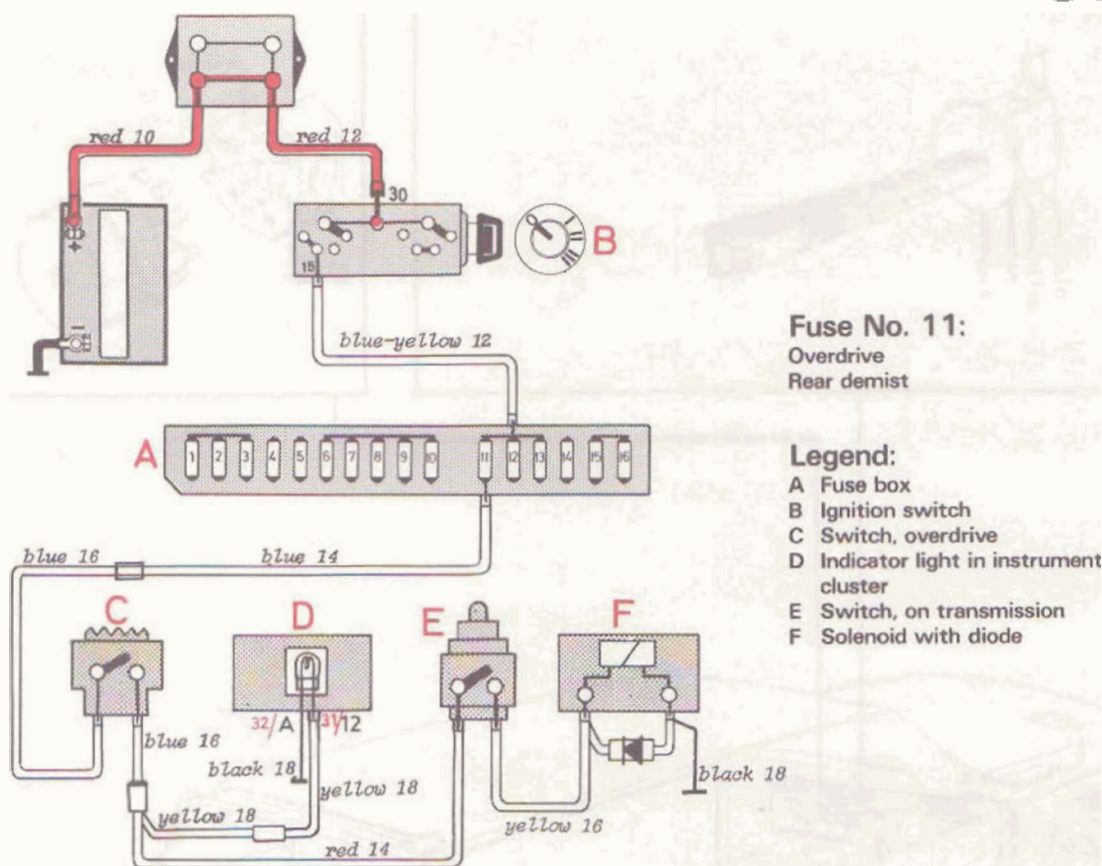
C

D

E

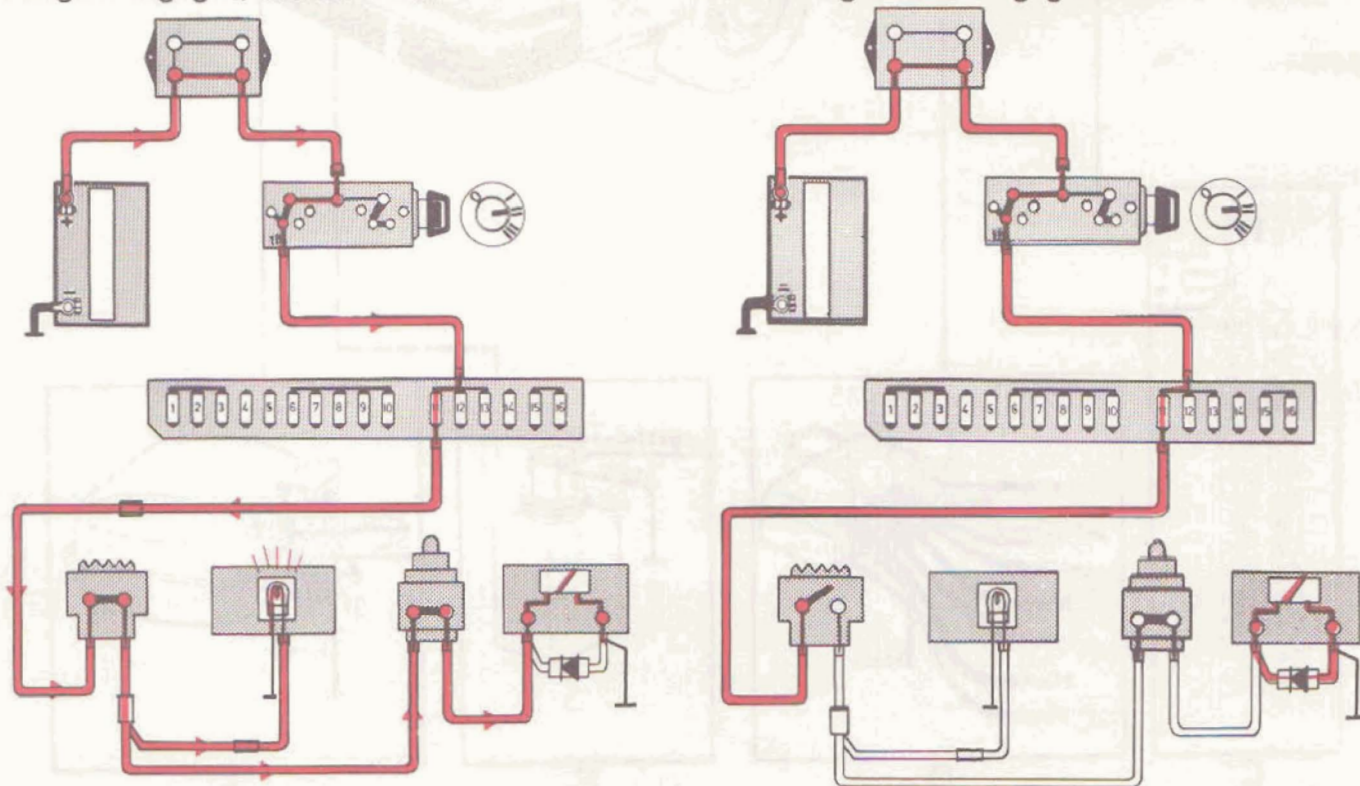
F

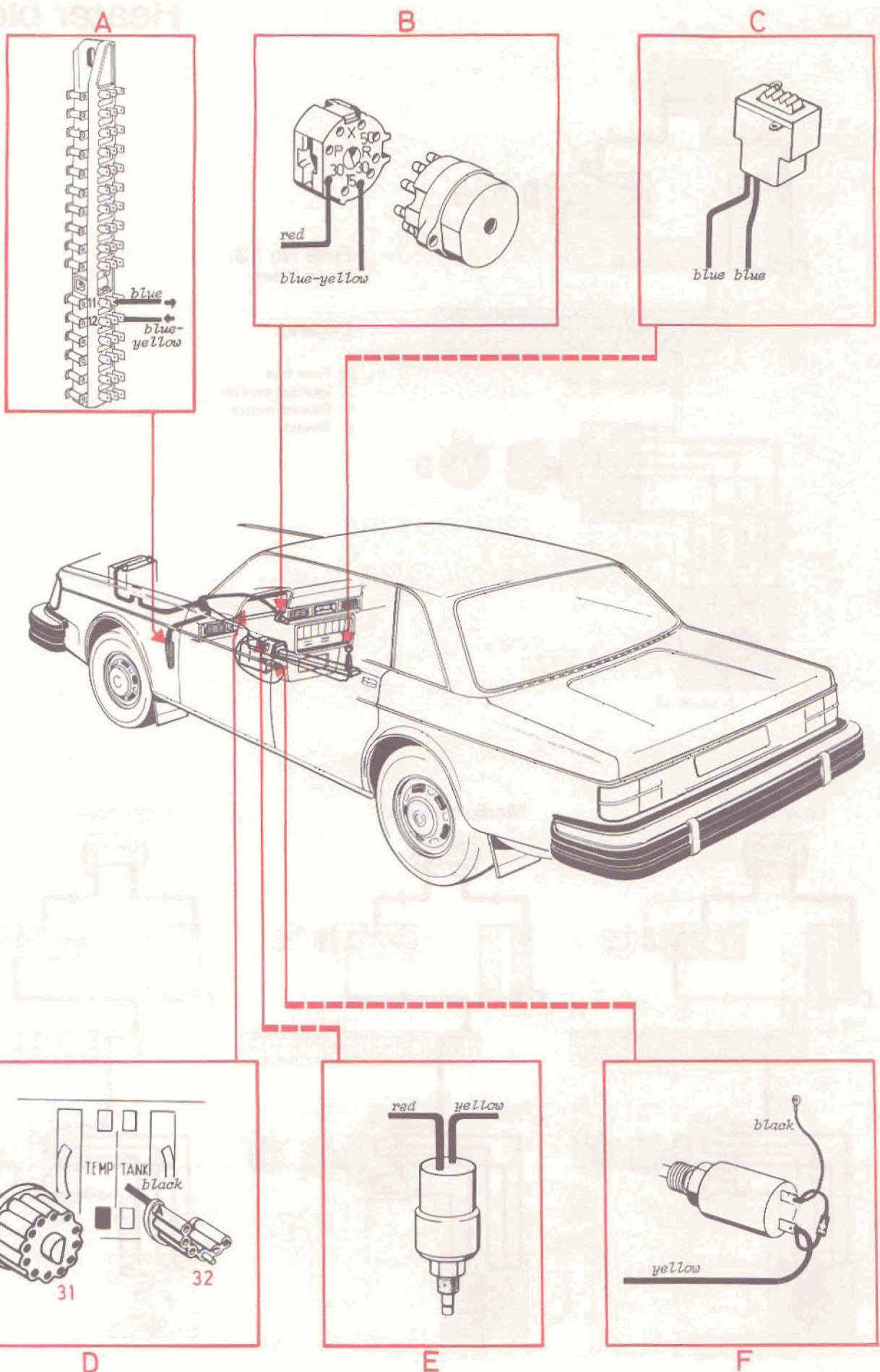
Overdrive



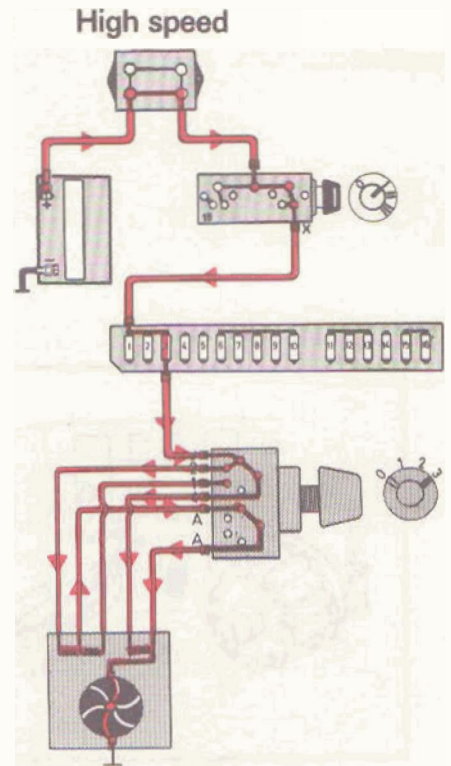
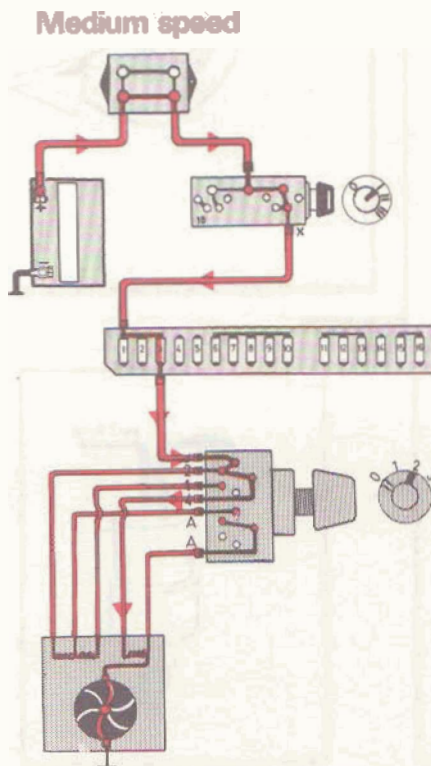
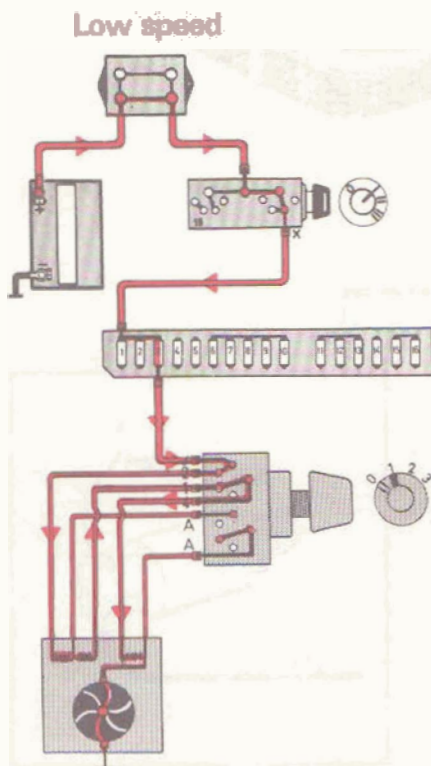
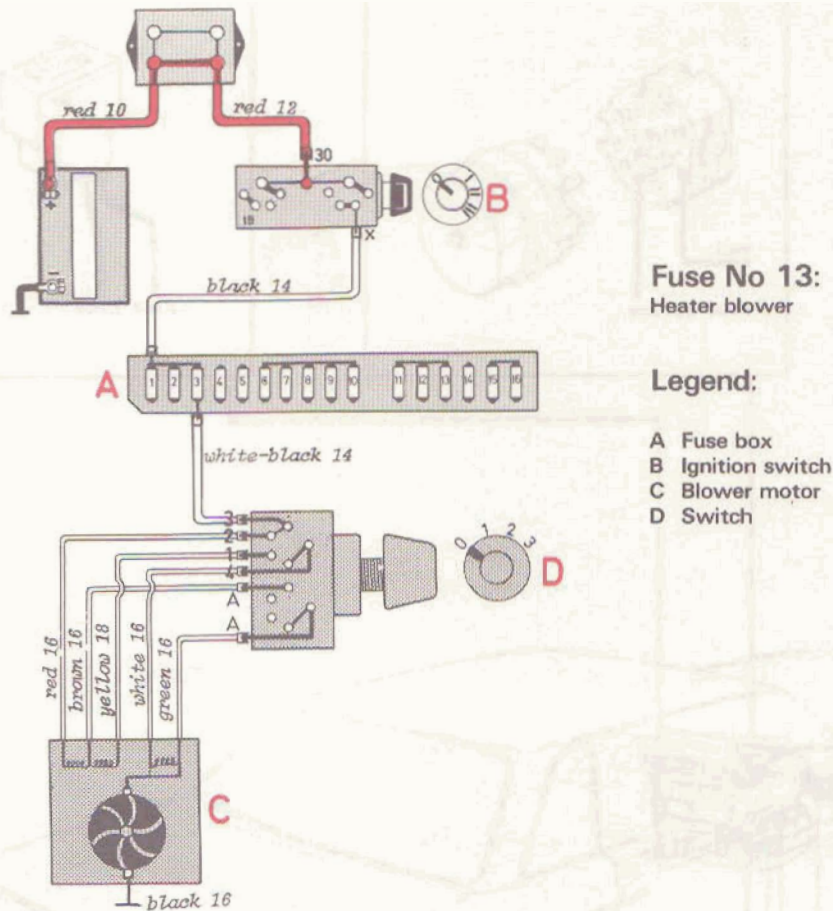
4th gear engaged, overdrive ON

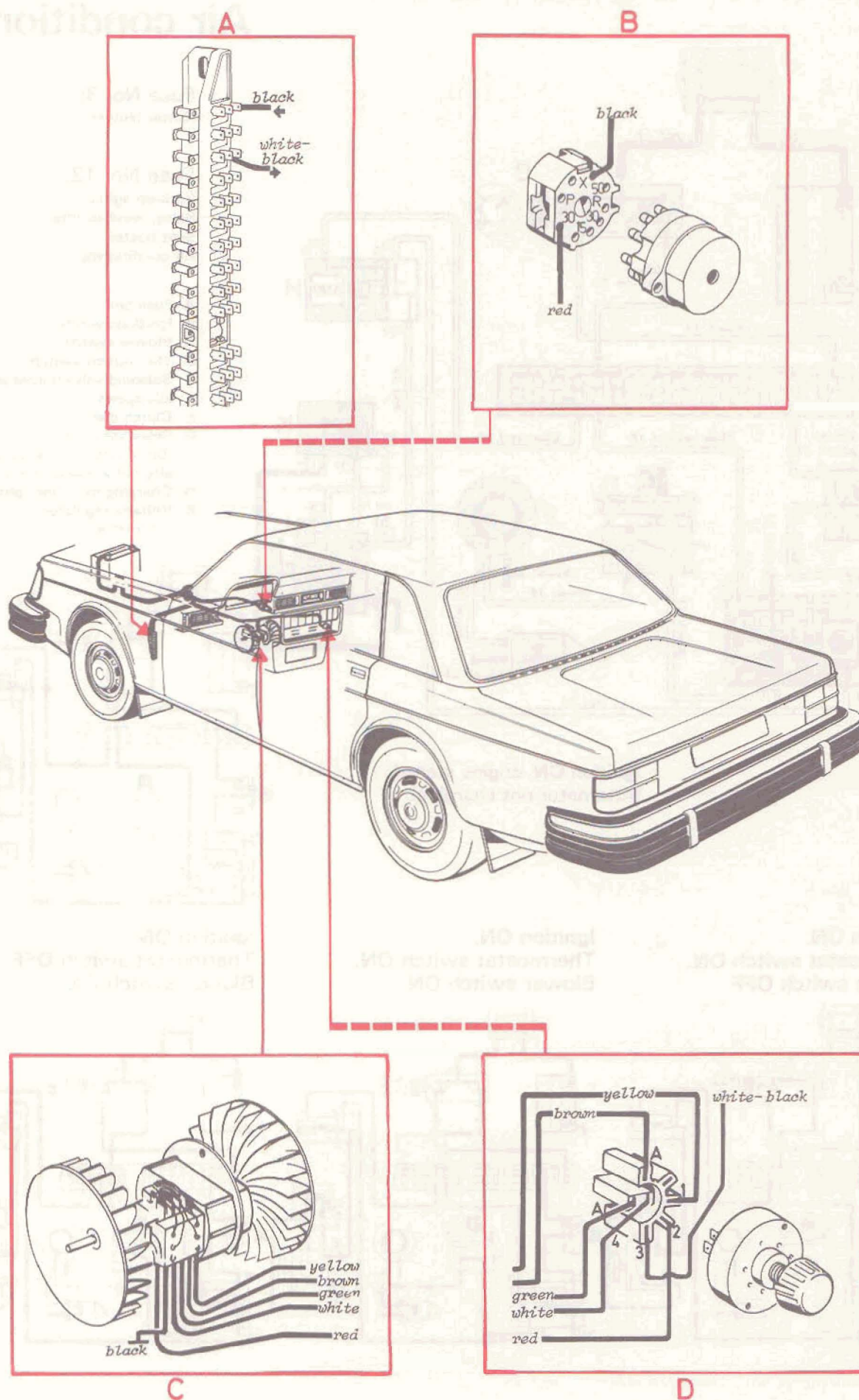
Switching OFF (disengagement)





Heater blower



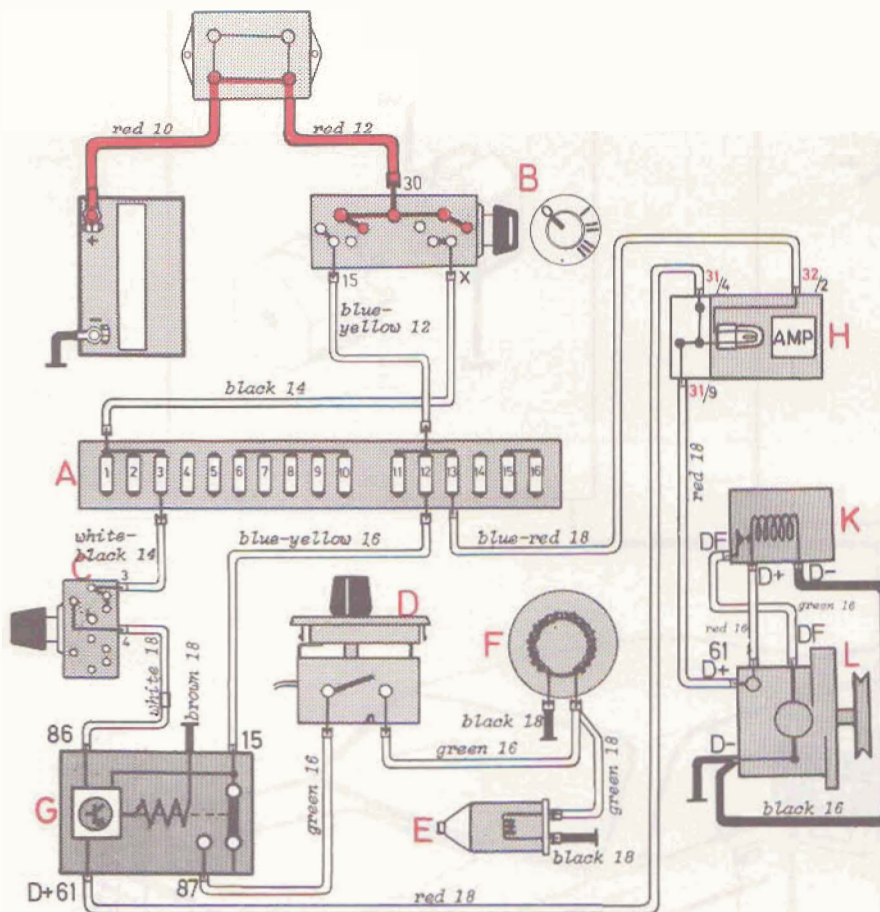


Air conditioning

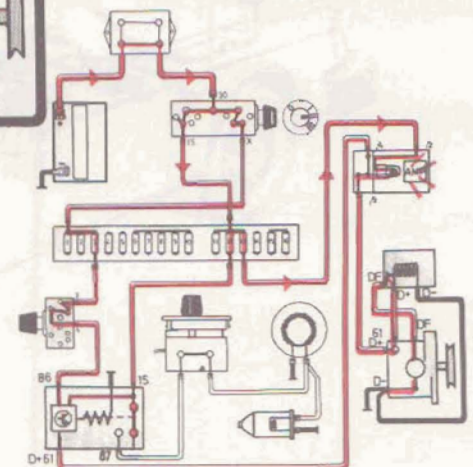
Fuse No. 3:
Heater blower

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



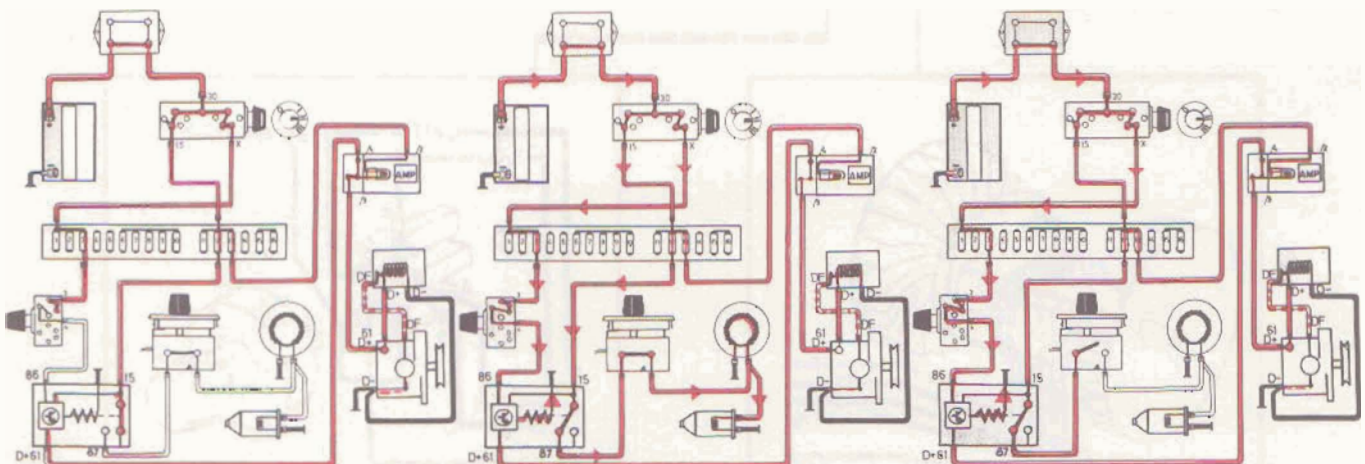
Ignition ON, engine stalled.
(Alternator not charging).

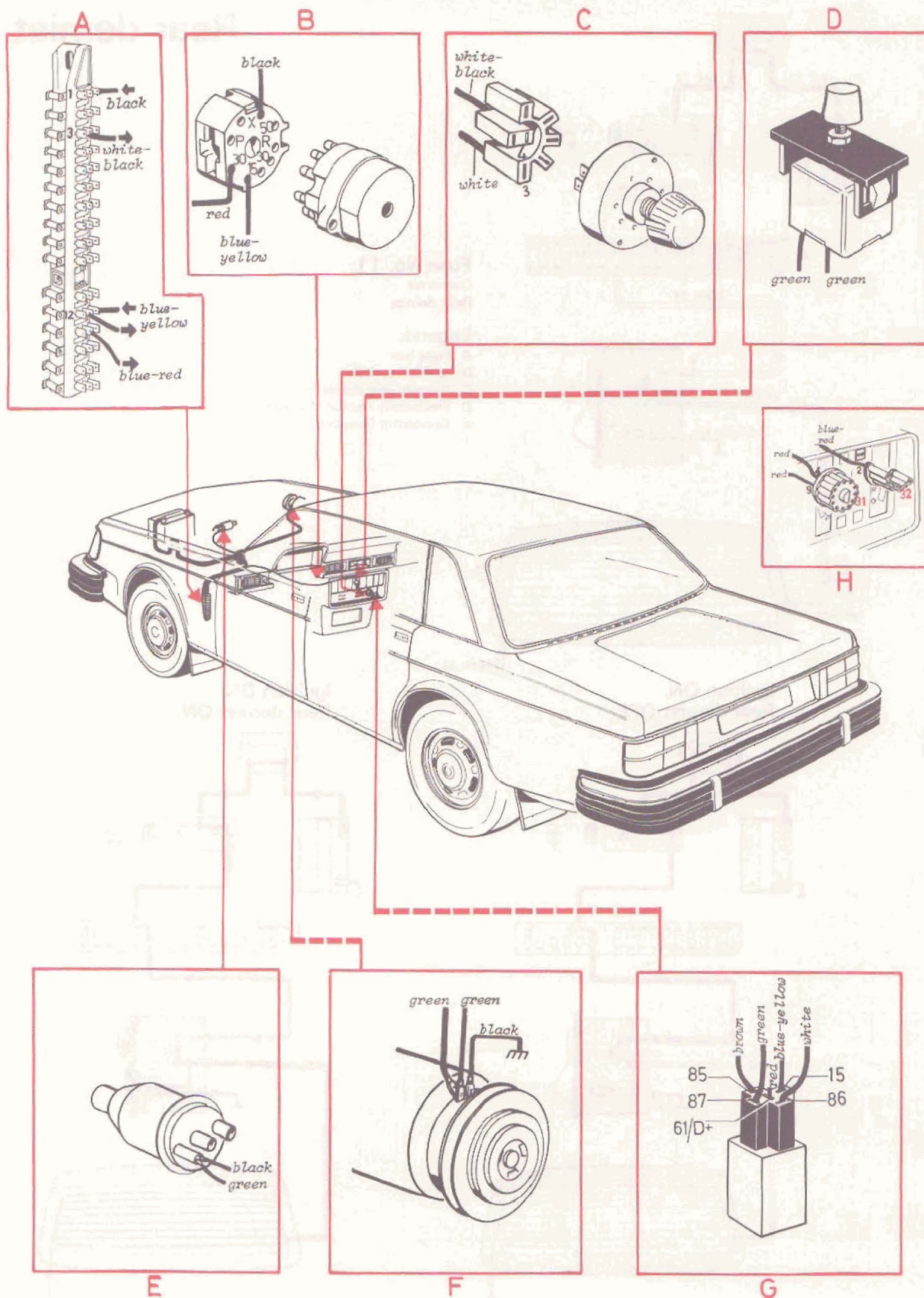


Ignition ON.
Thermostat switch ON.
Blower switch OFF.

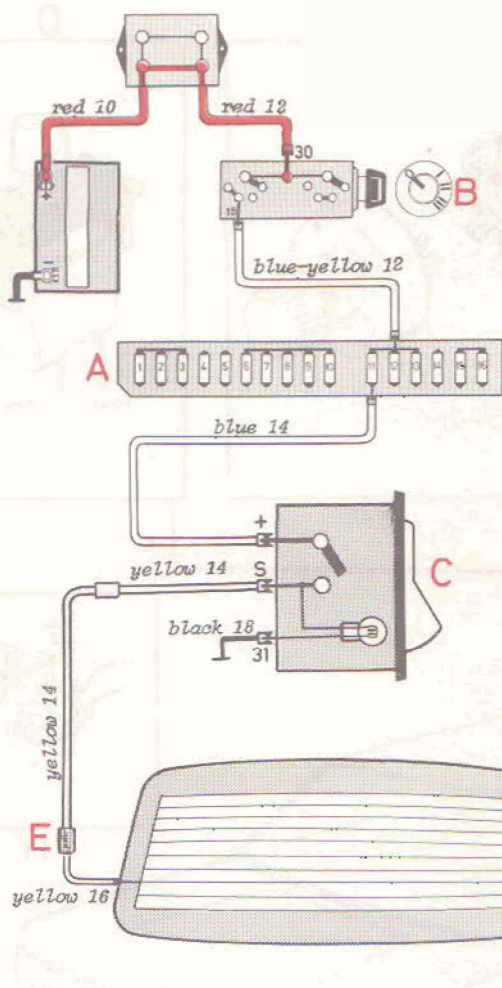
Ignition ON.
Thermostat switch ON.
Blower switch ON.

Ignition ON.
Thermostat switch OFF.
Blower switch ON.





Rear demist

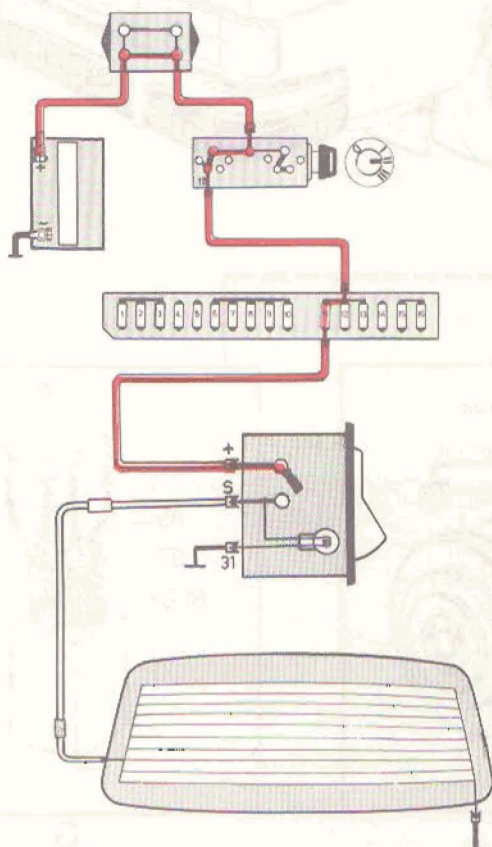


Fuse No. 11:
Overdrive
Rear demist

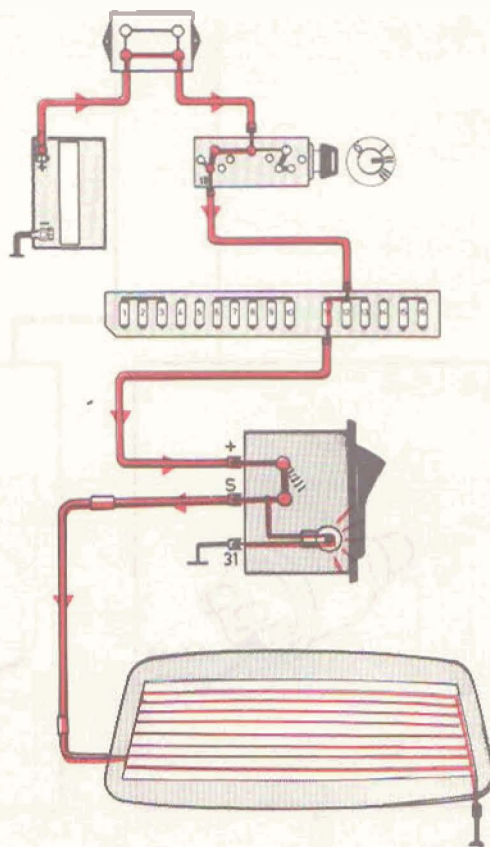
Legend:

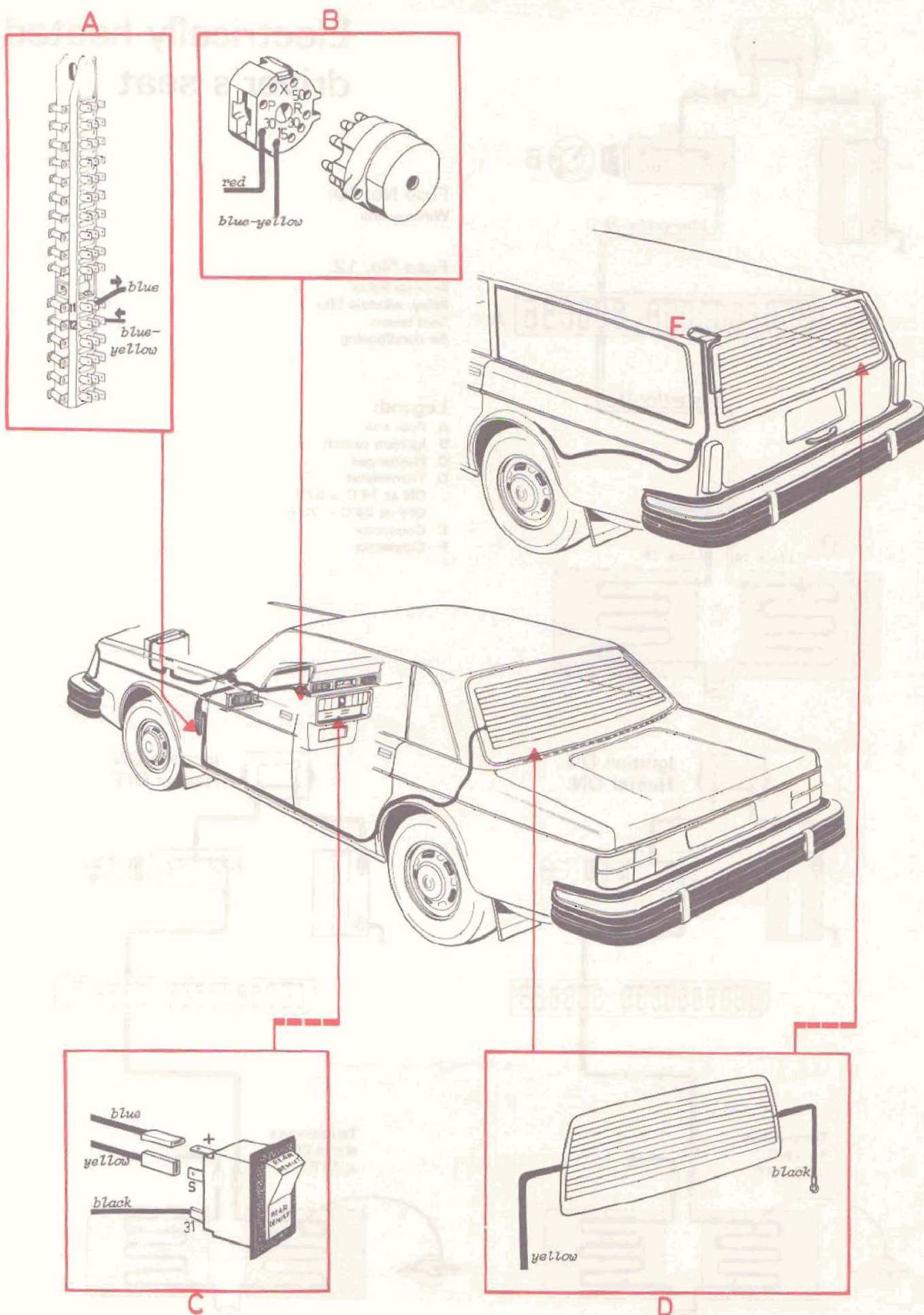
- A Fuse box
- B Ignition switch
- C Switch, rear demist
- D Electrically heated rear window
- E Connector (wagon)

**Ignition ON.
Rear demist OFF.**

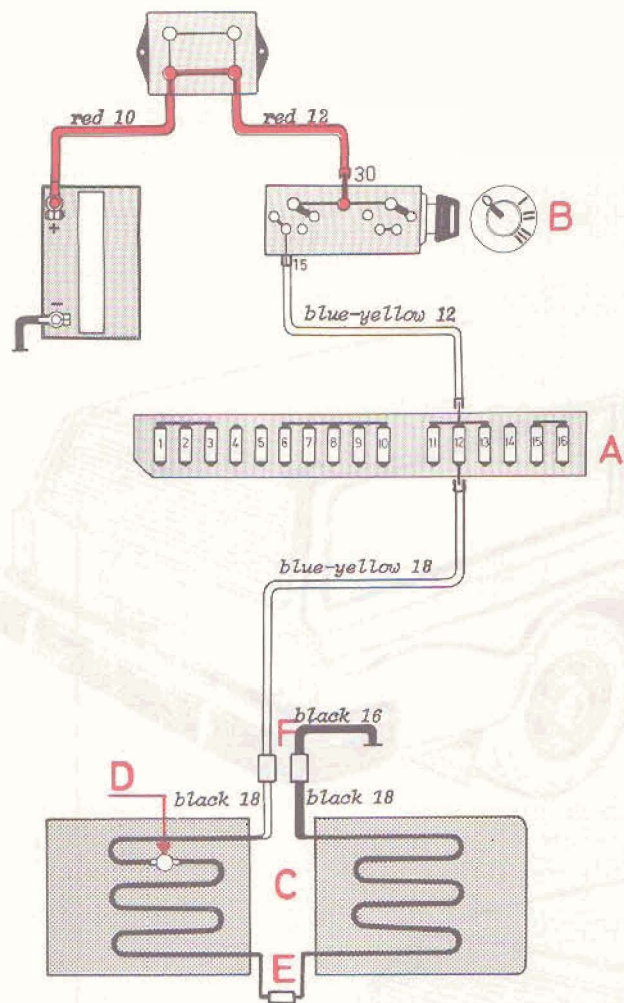


**Ignition ON.
Rear demist ON.**





Electrically heated driver's seat

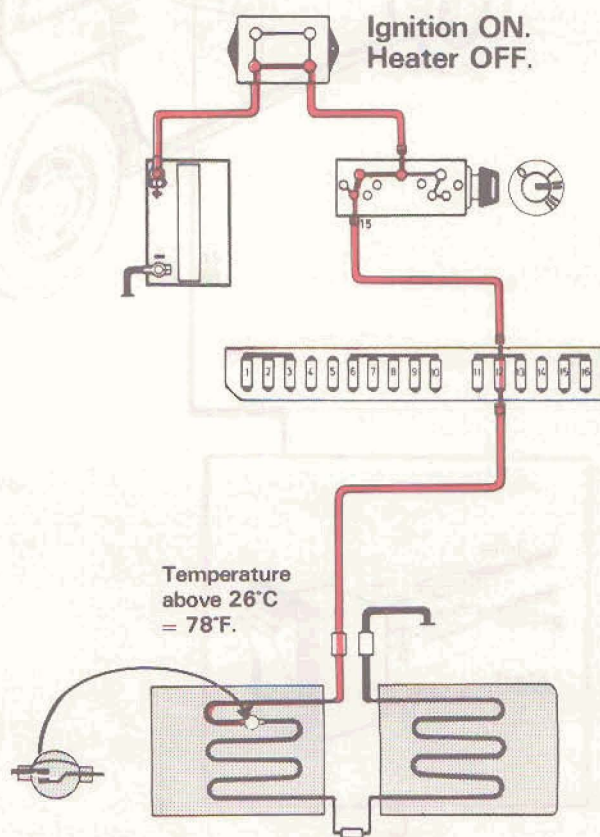
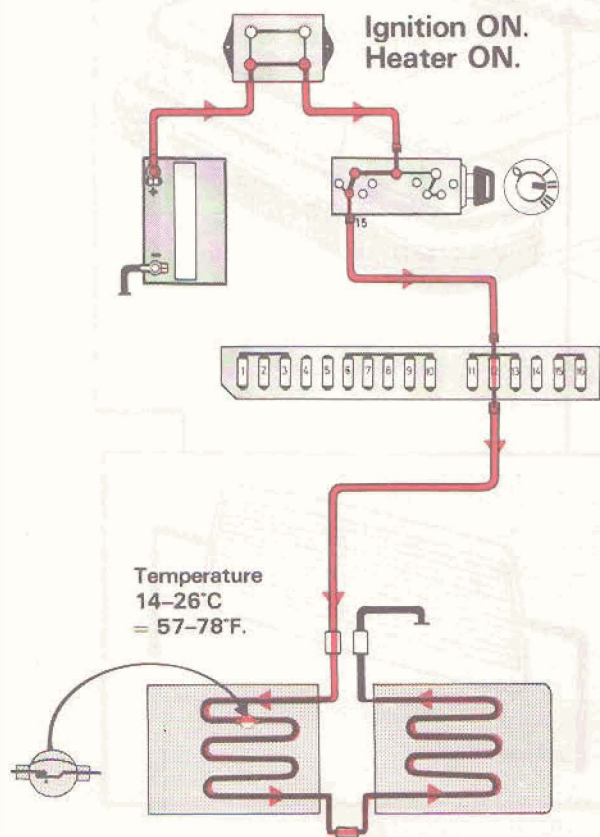


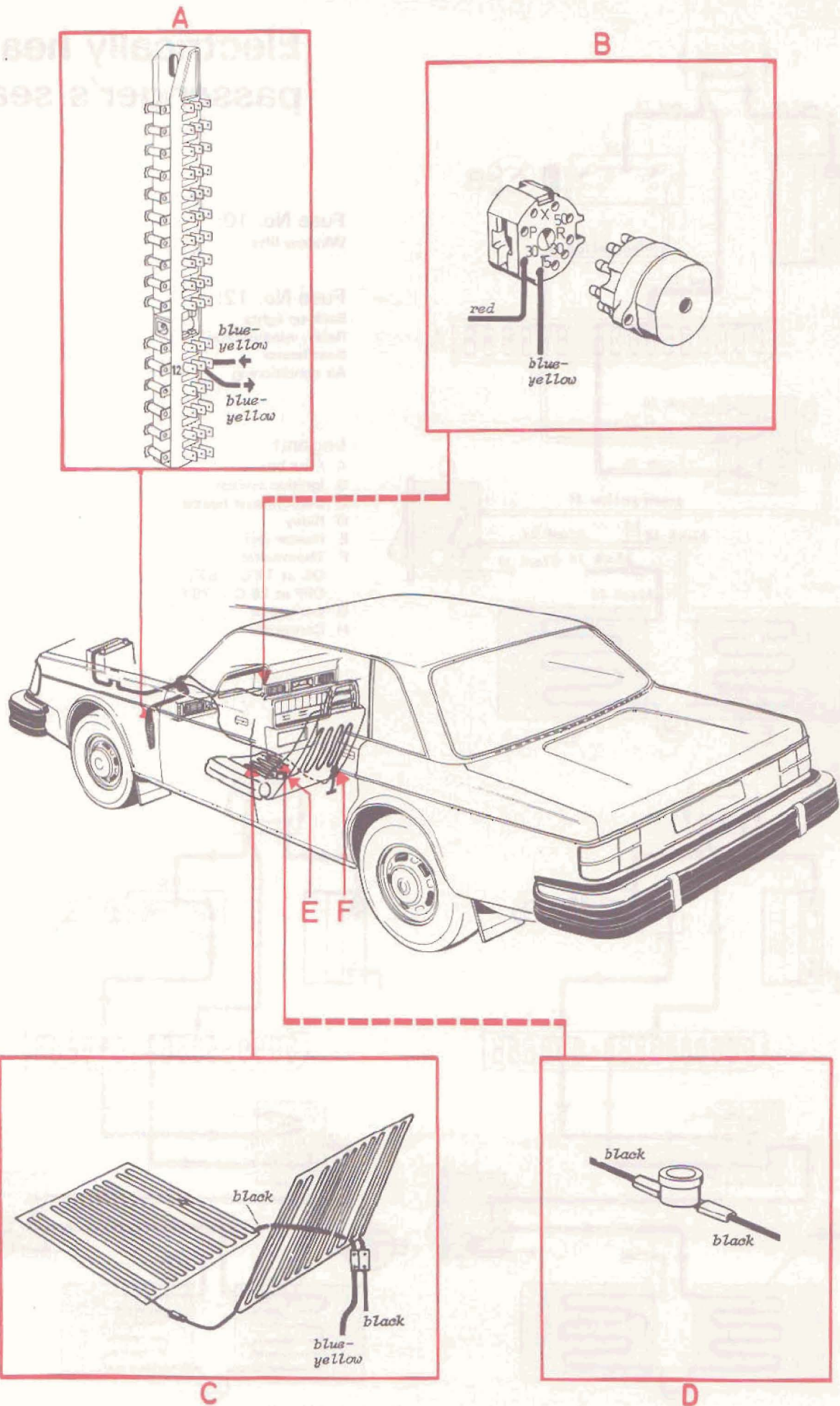
Fuse No. 10:
Window lifts

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

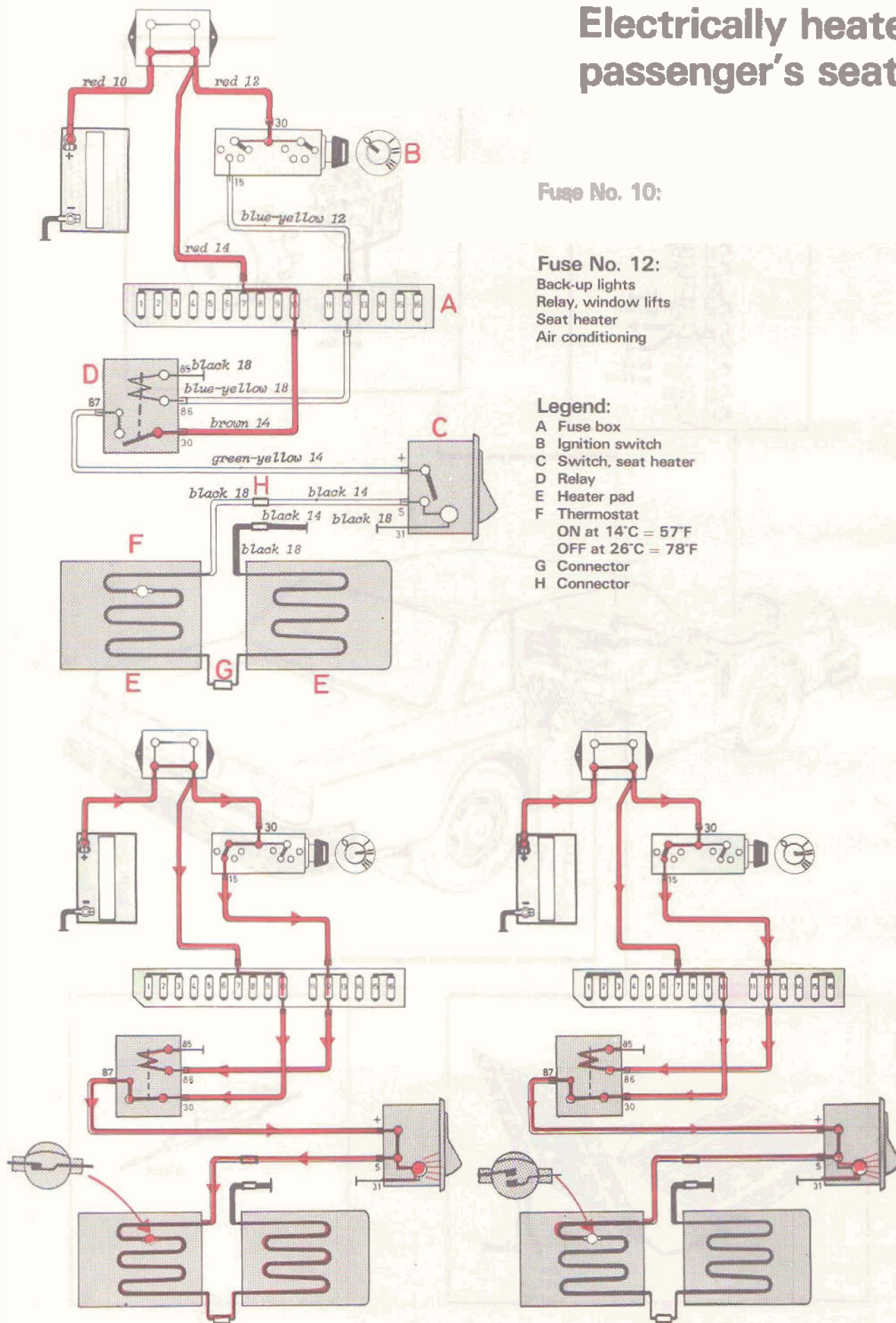
Fuse No. 10:

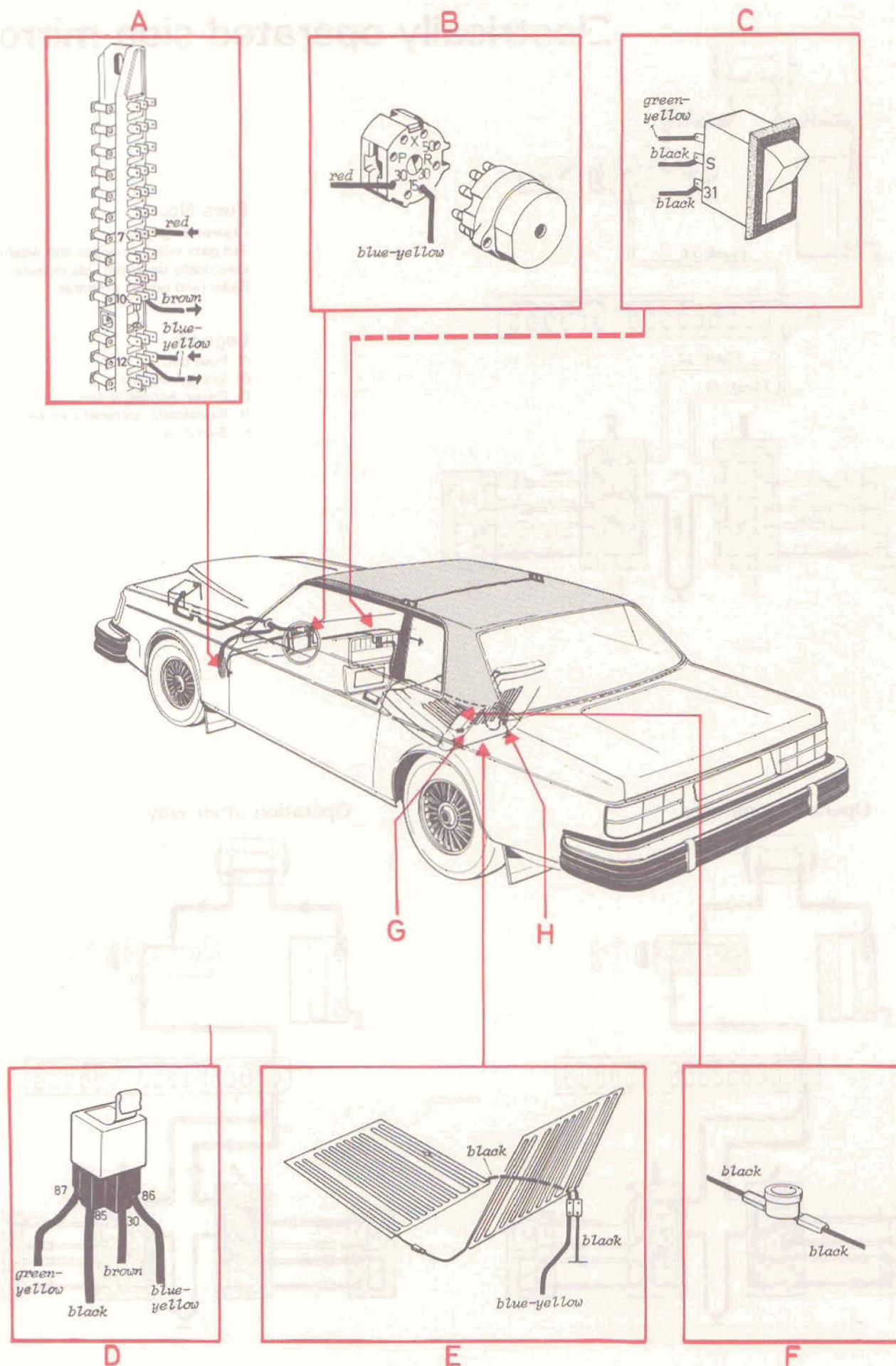
Fuse No. 12:

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

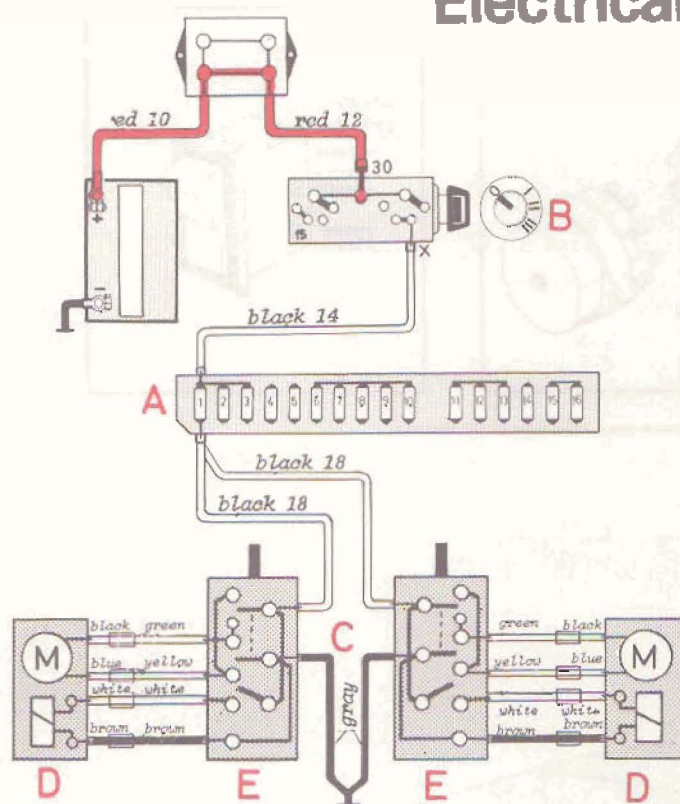
Legend:

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



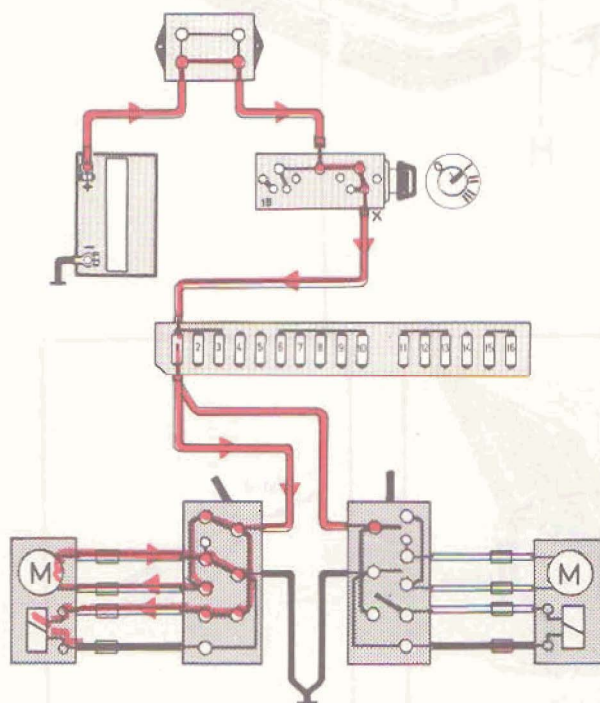
Fuse No. 1:

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

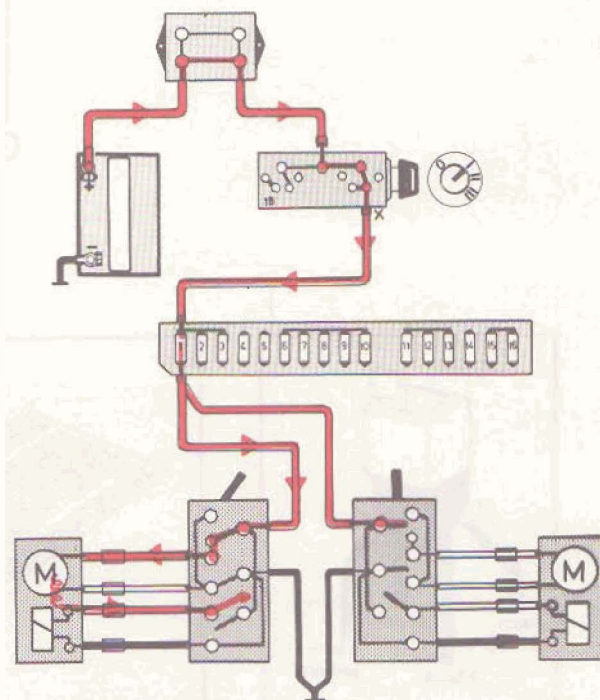
Legend:

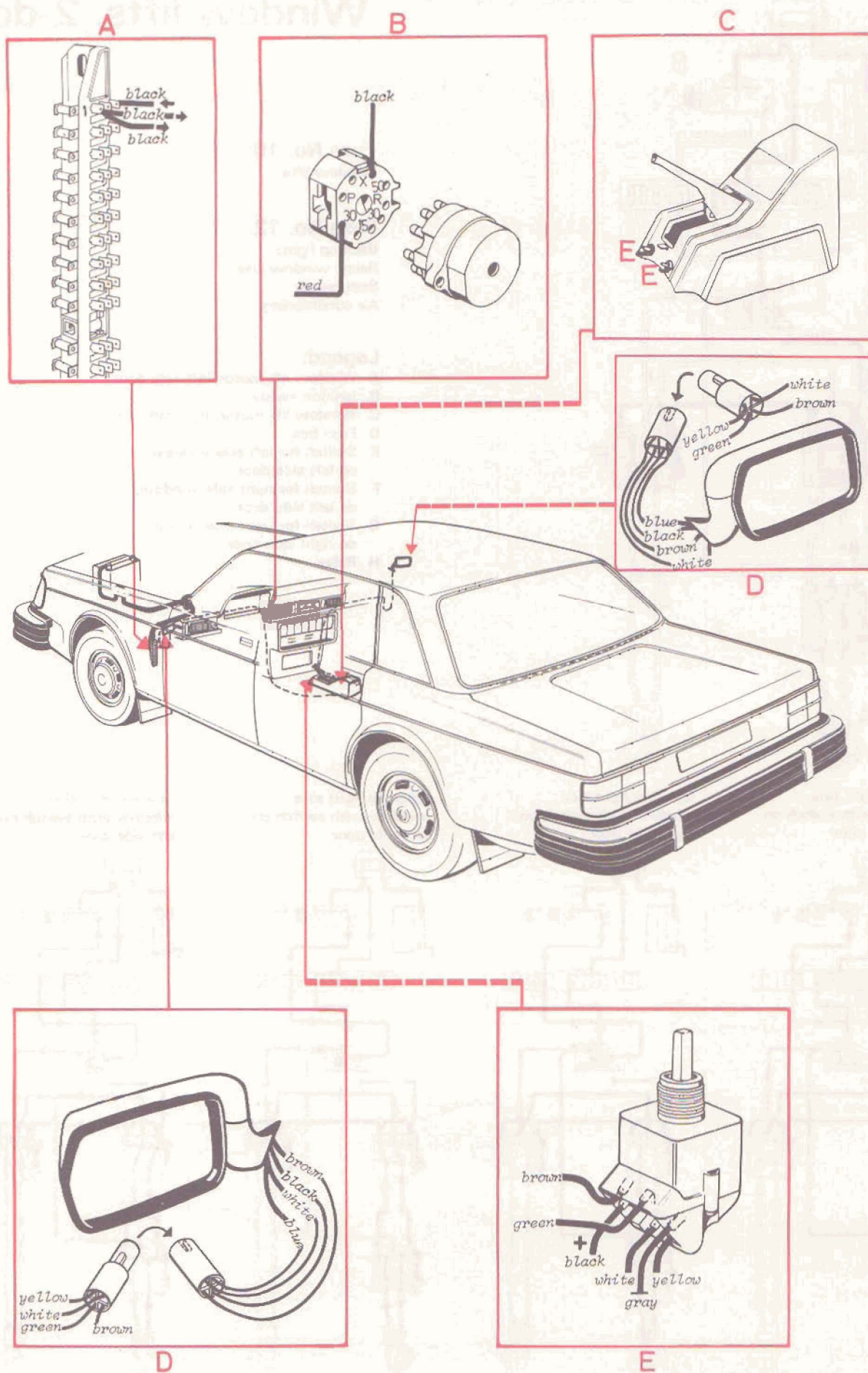
- A Fuse box
- B Ignition switch
- C Cover, parking brake
- D Electrically operated mirrors
- E Switches

Operation one way.

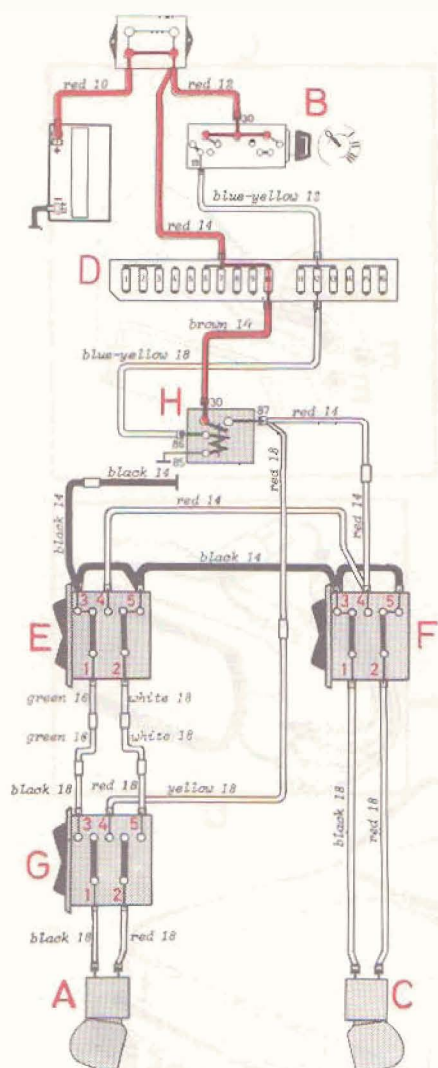


Operation other way.





Window lifts, 2-door



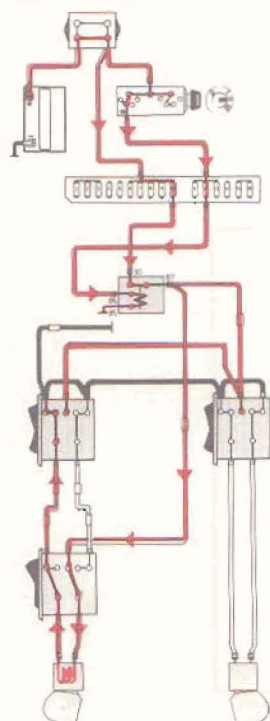
Fuse No. 10:
Window lifts

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

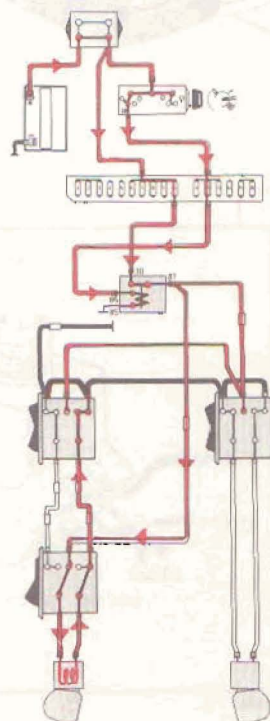
Legend:

- 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

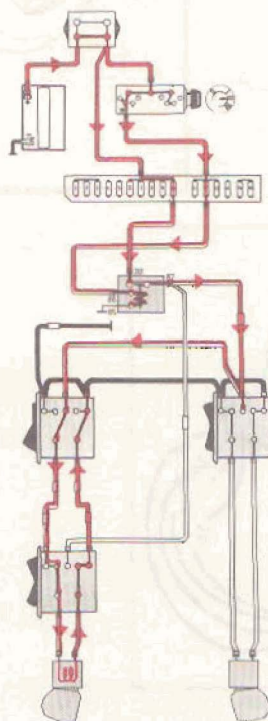
Closing right side window with switch on right side door



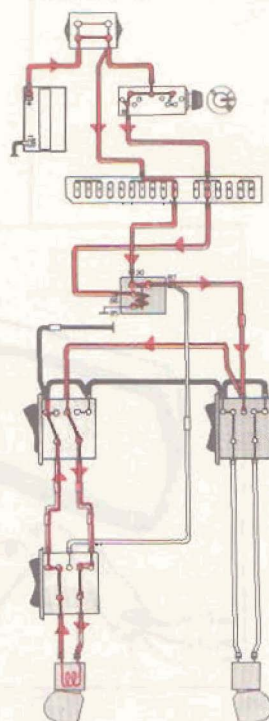
Opening right side window with switch on right side door

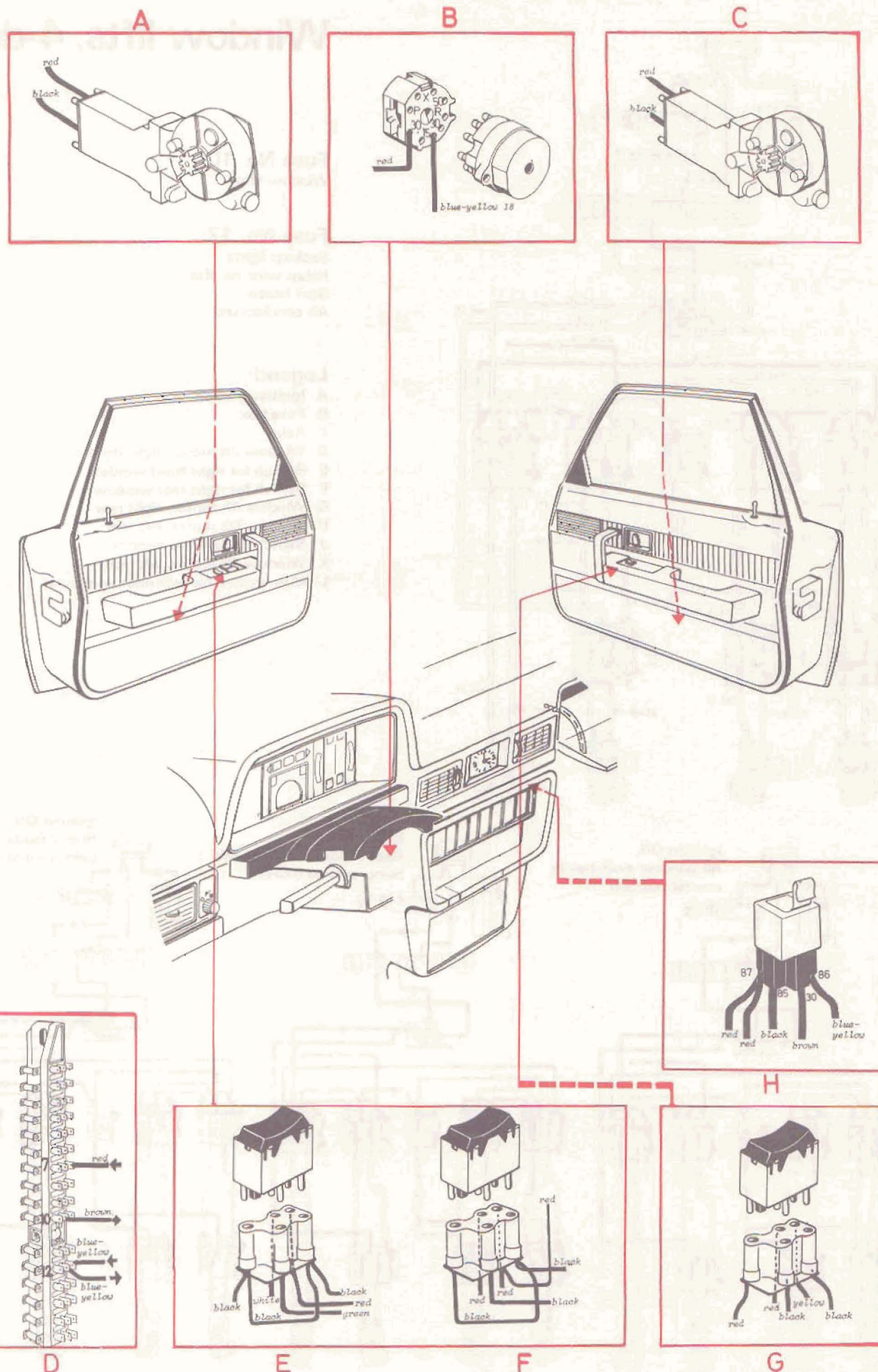


Opening right side window with switch on left side door



Closing right side window with switch on left side door





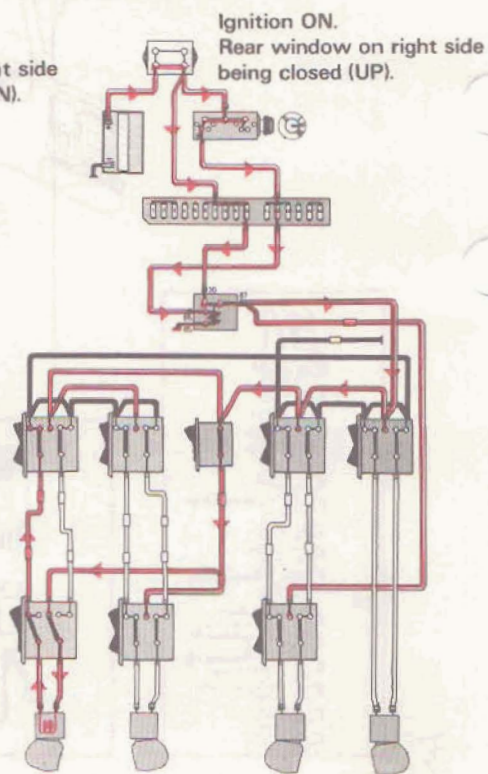
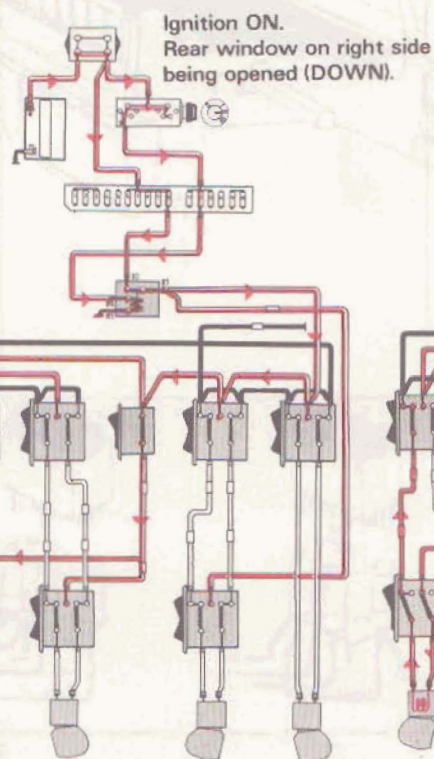
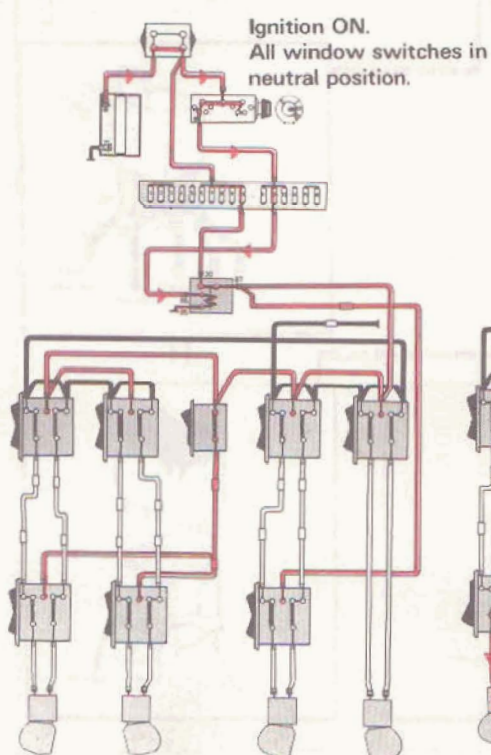
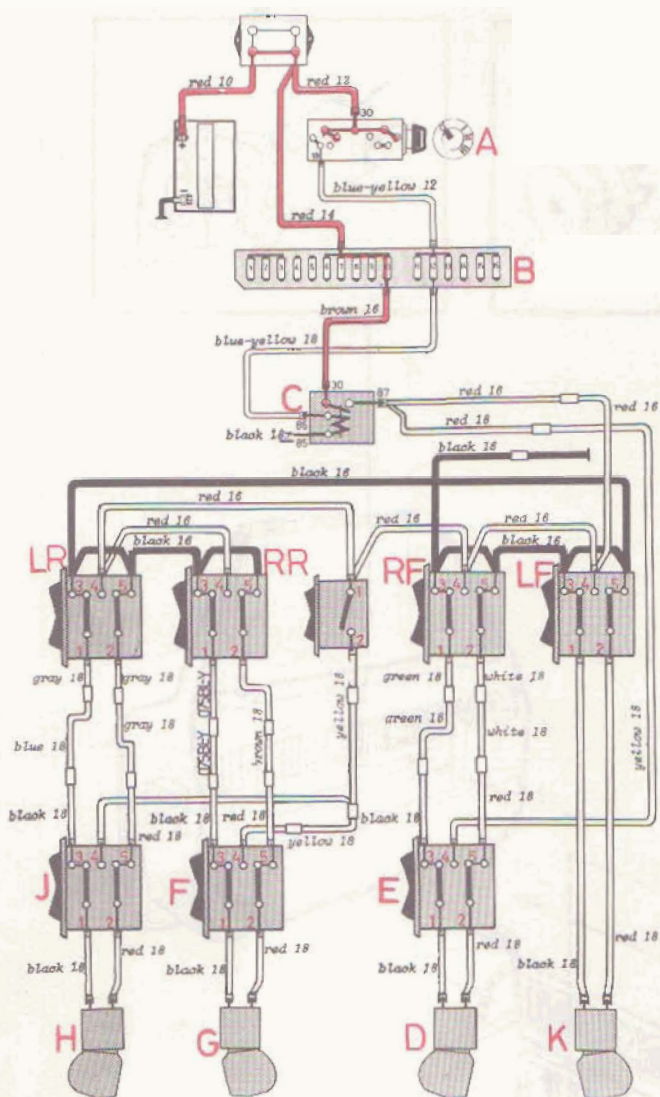
Window lifts, 4-door

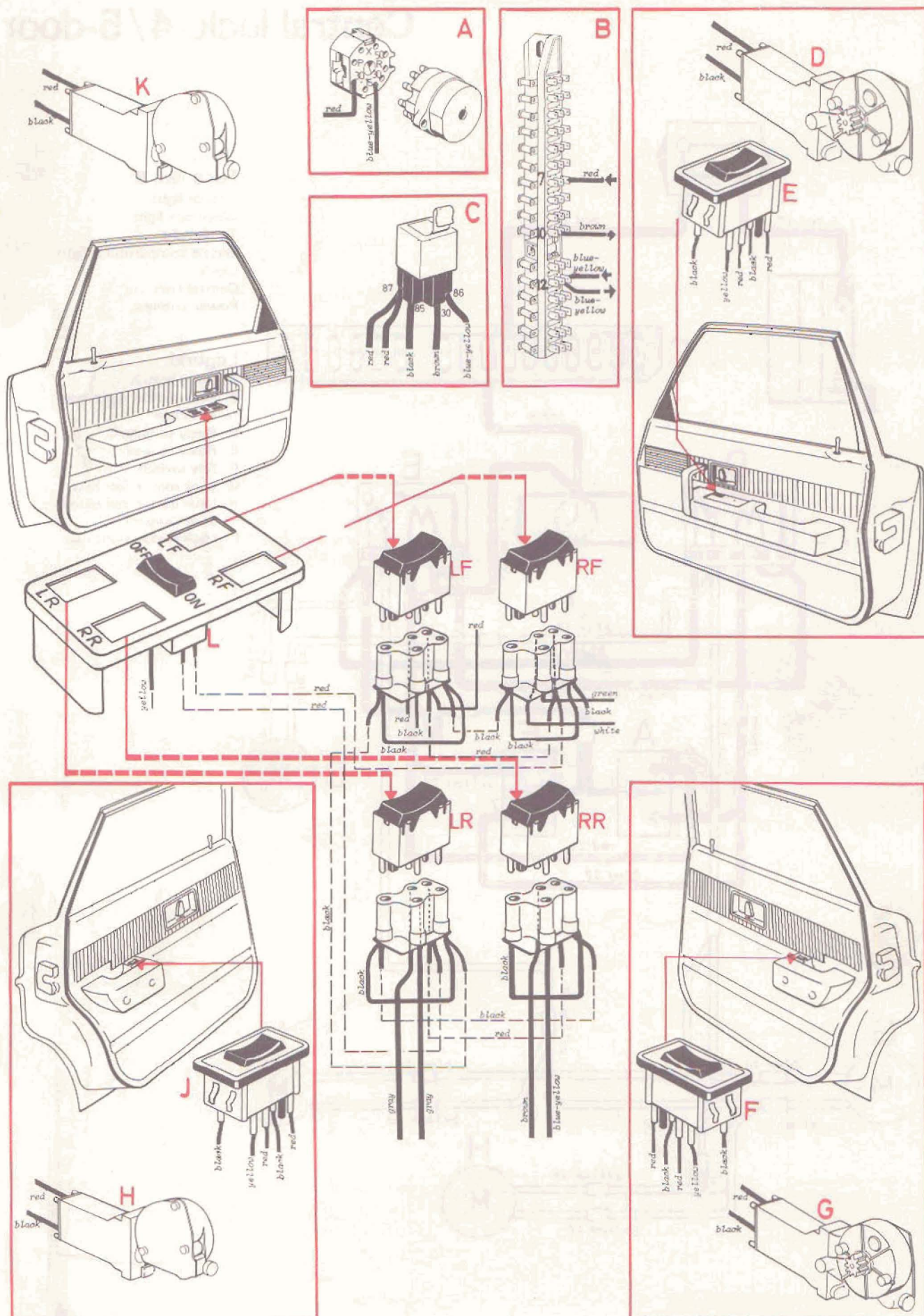
Fuse No. 10:
Window lifts

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

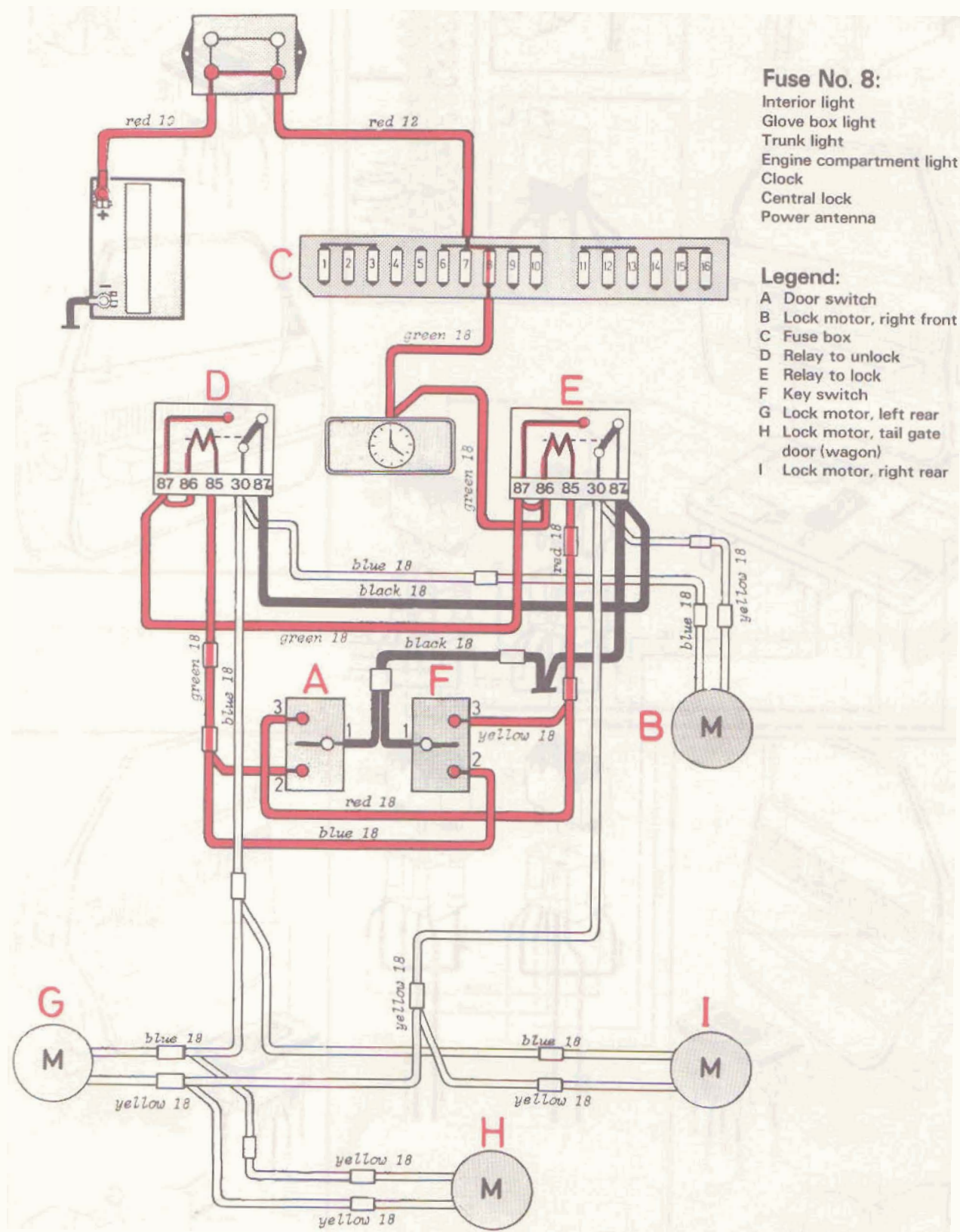
Legend:

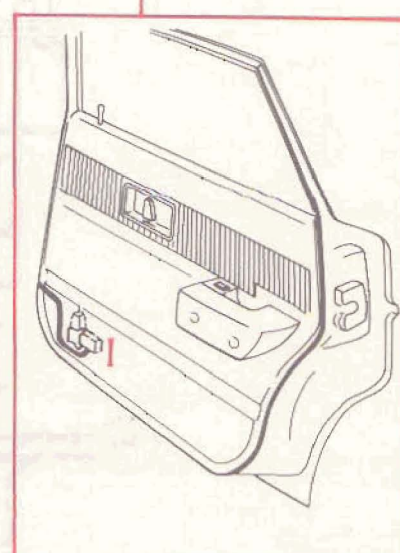
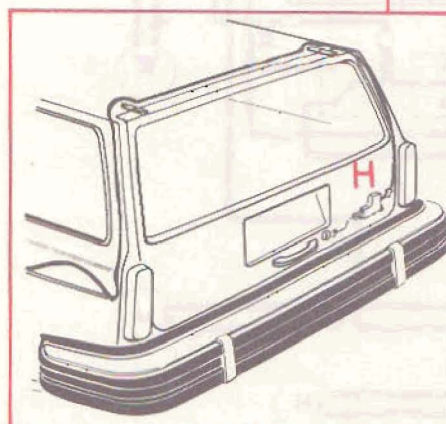
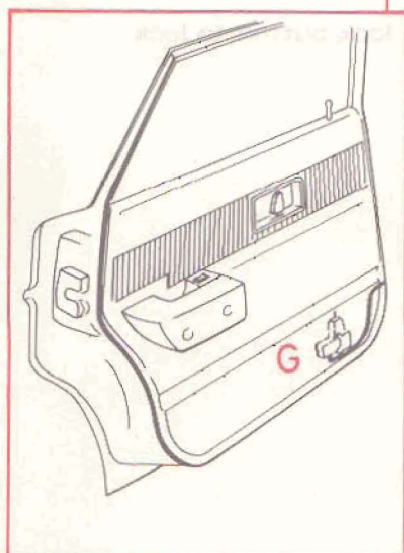
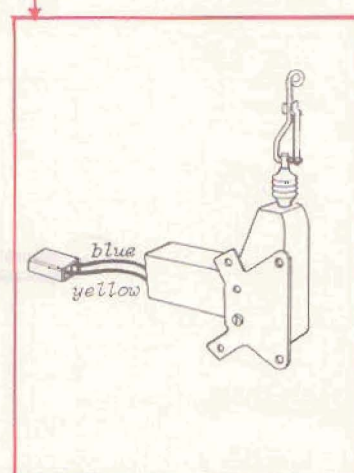
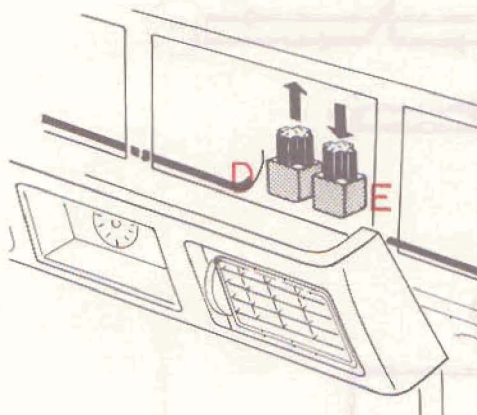
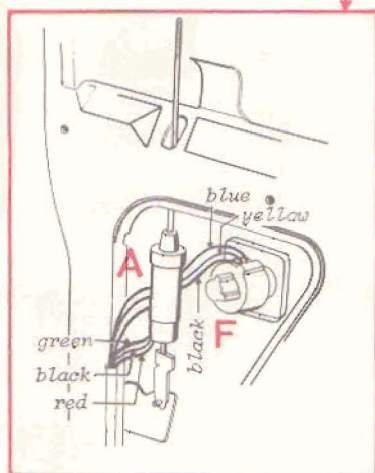
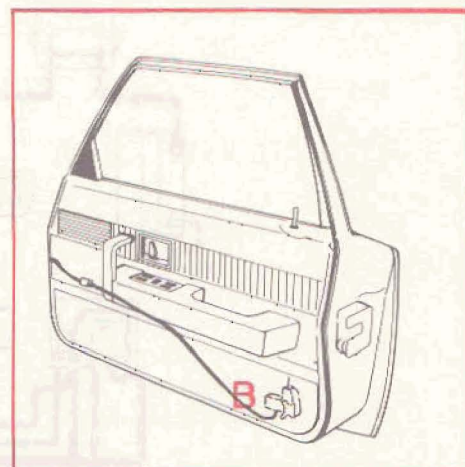
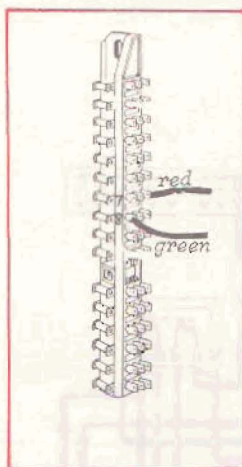
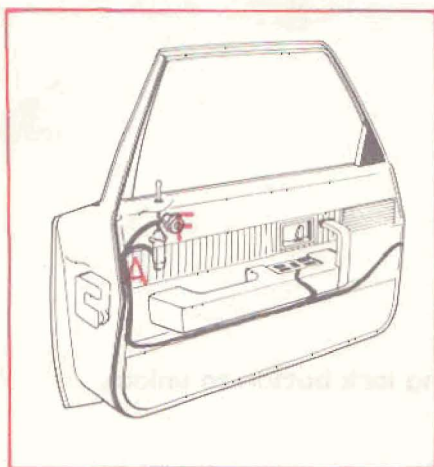
- A Ignition switch
- B Fuse box
- C Relay
- D Window lift motor, right front
- E Switch for right front window
- F Switch for right rear window
- G Window lift motor, right rear
- H Window lift motor, left rear
- J Switch for left rear window
- K Window lift motor, left front
- L Main switch for rear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

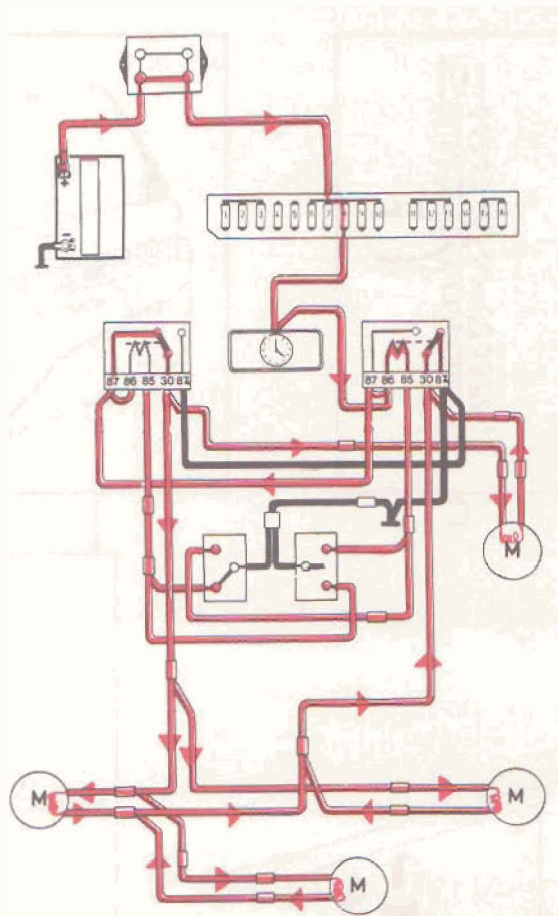




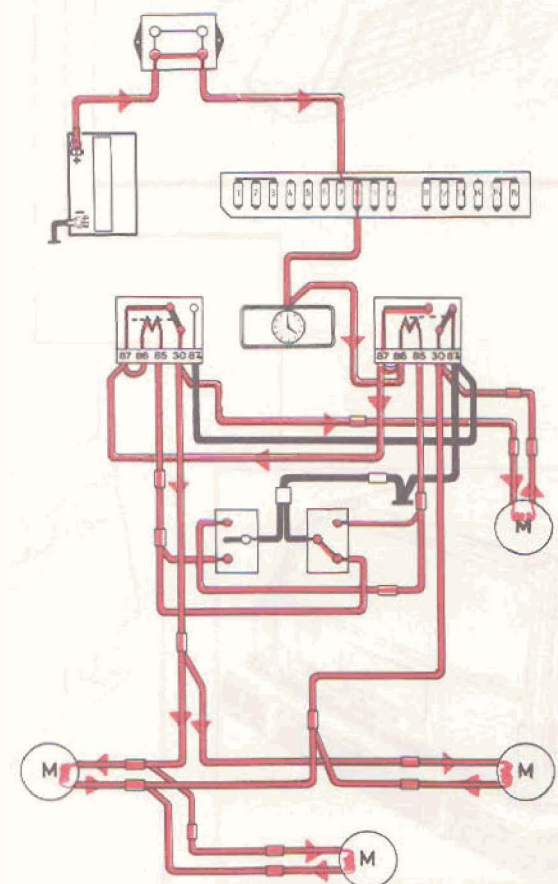
Central lock, 4/5-door



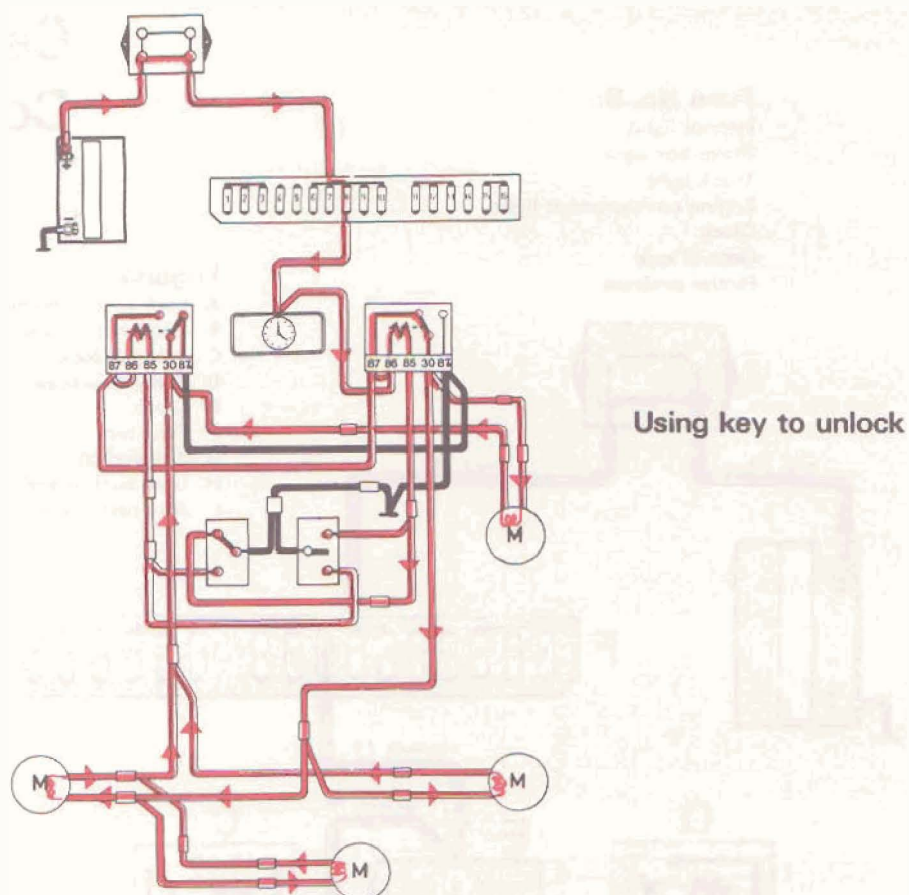




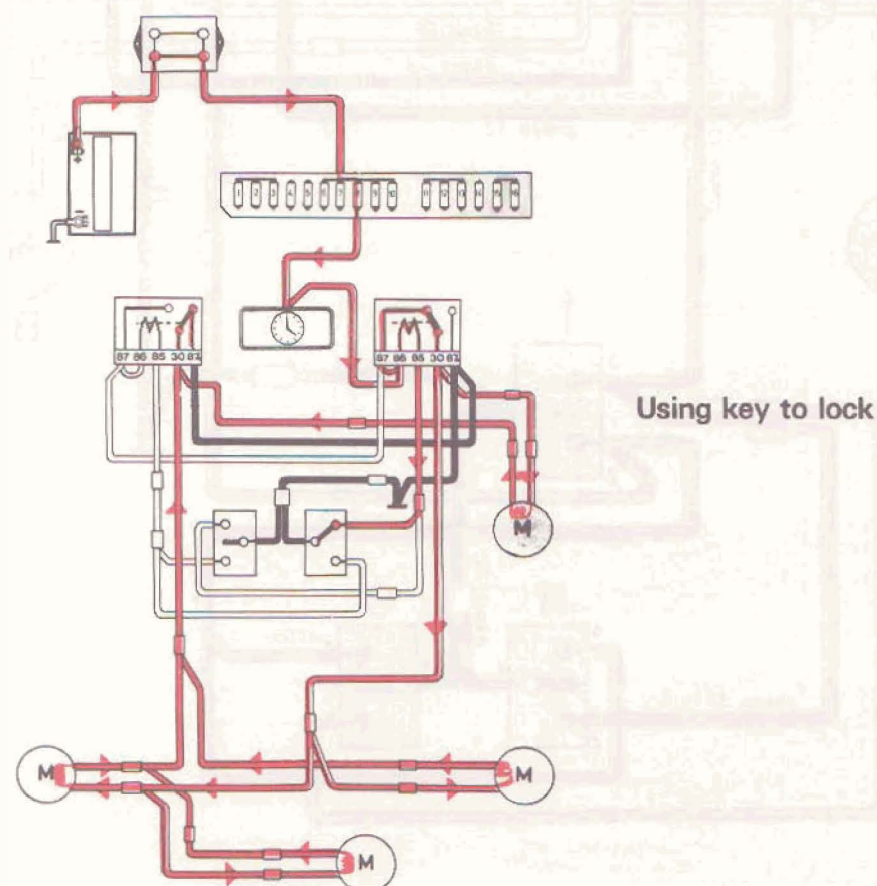
Using lock button to unlock



Using lock button to lock



Using key to unlock



Using key to lock

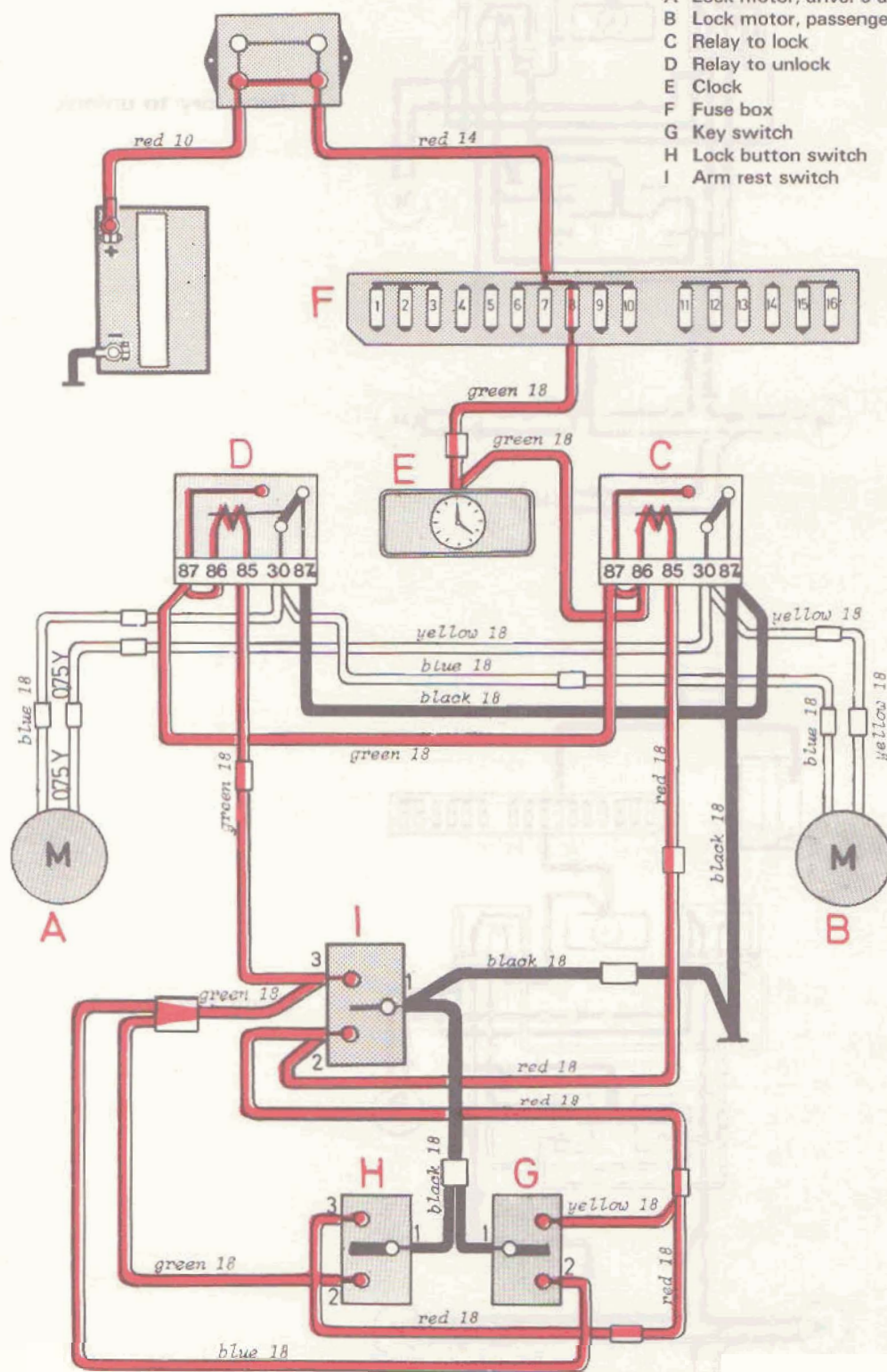
Central lock, Coupe

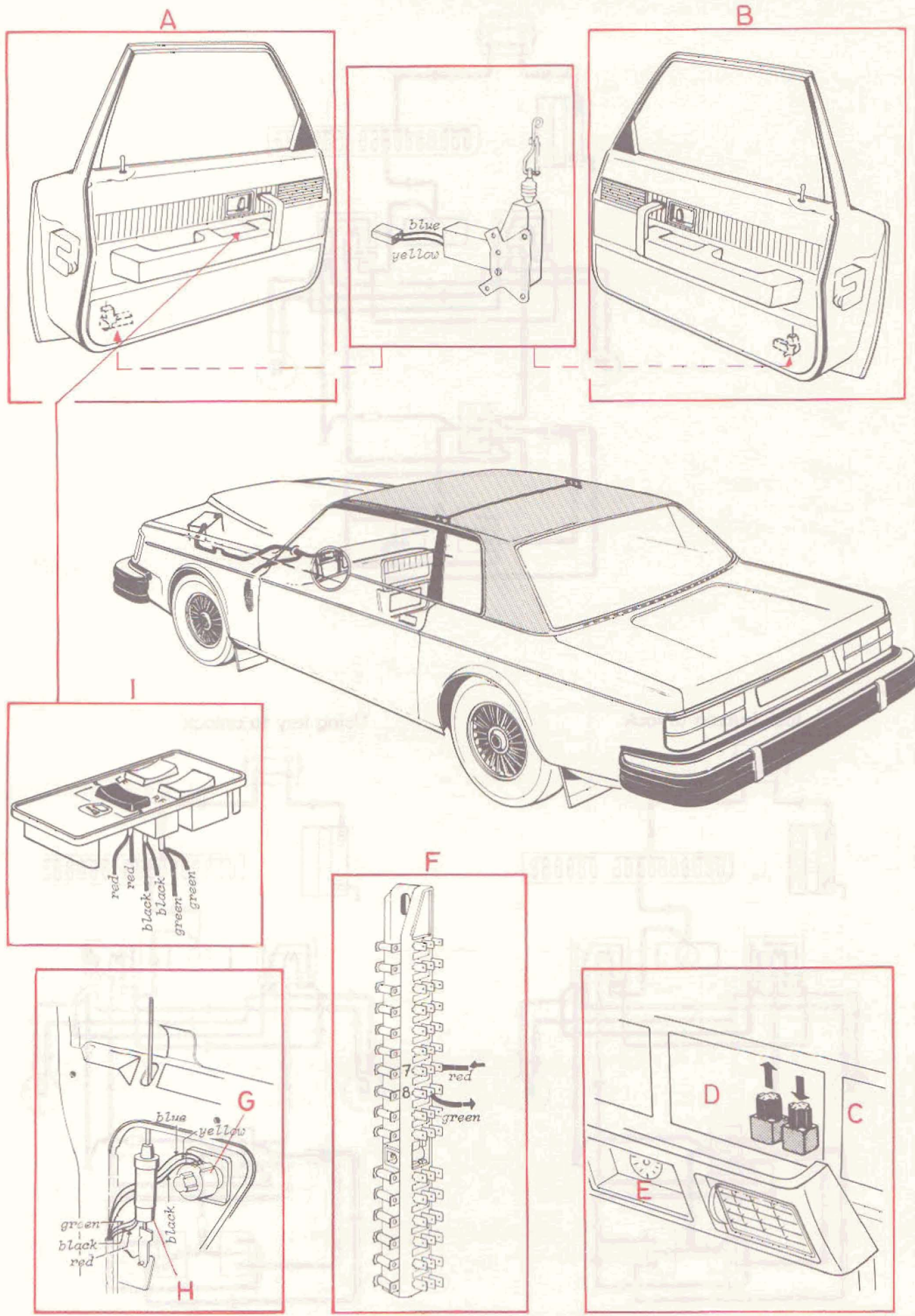
Fuse No. 8:

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

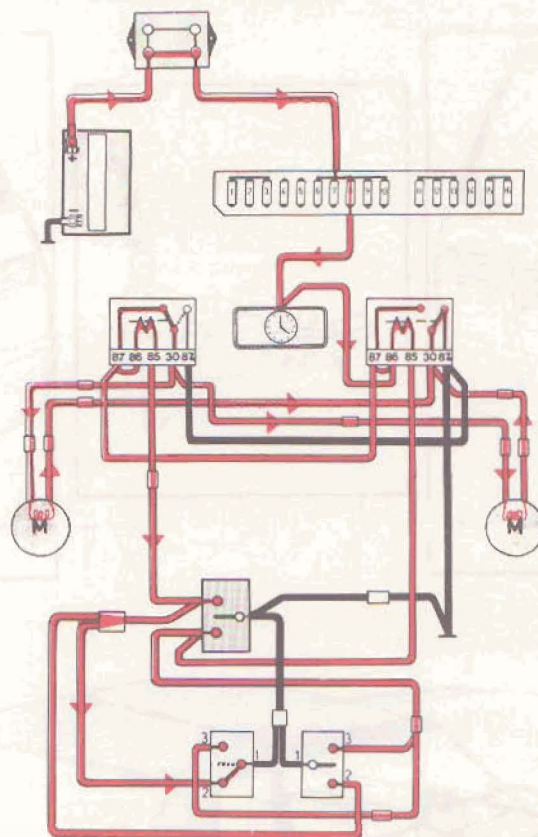
Legend:

- 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

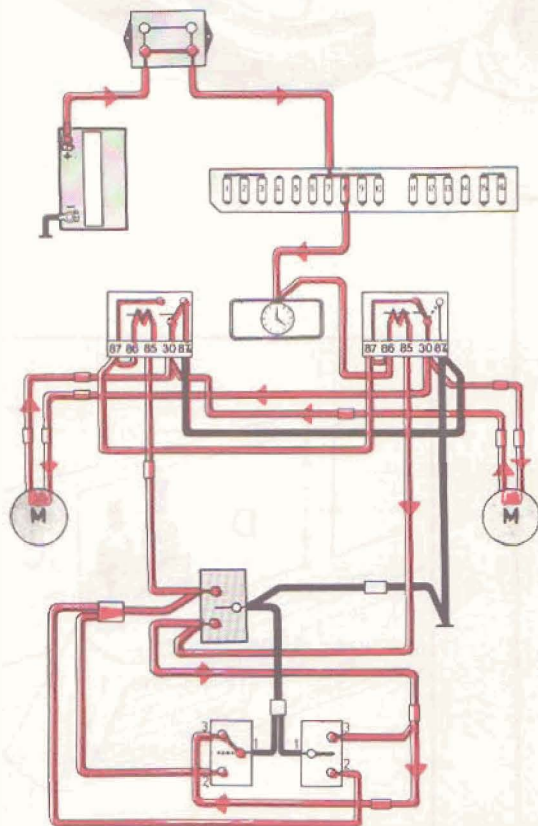




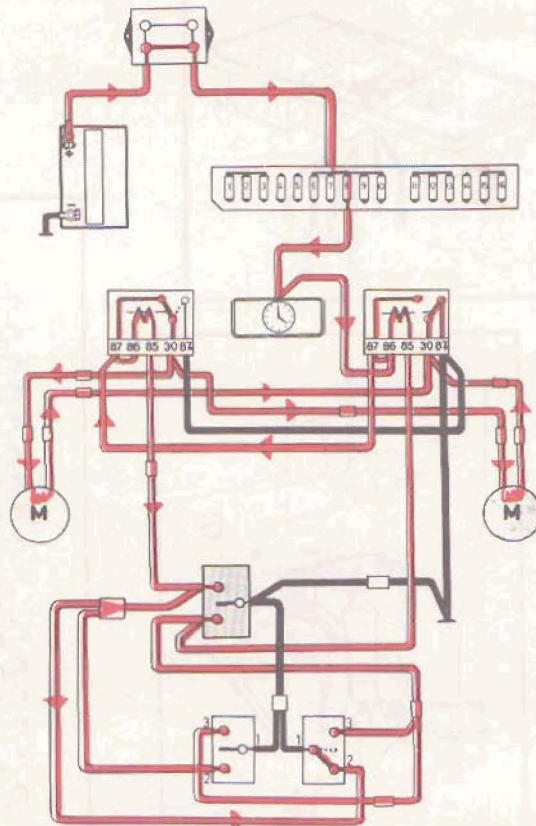
Using lock button to unlock



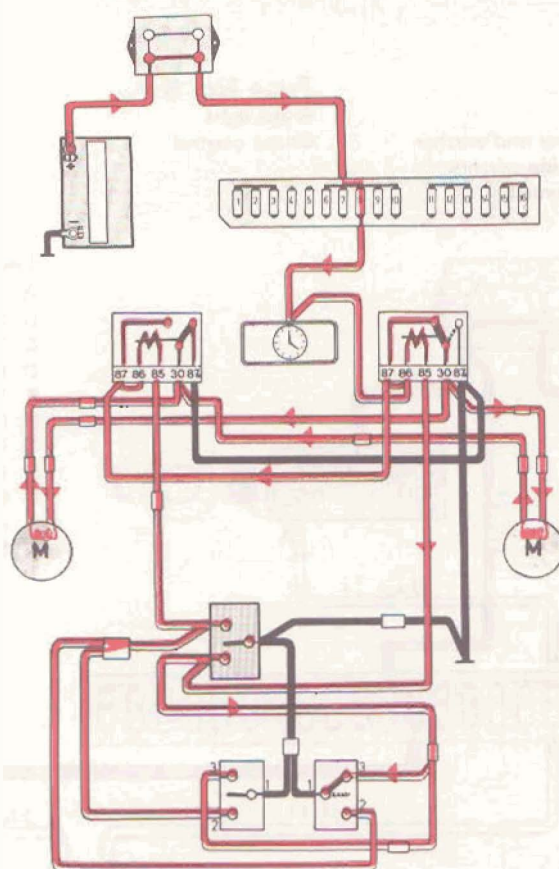
Using lock button to lock



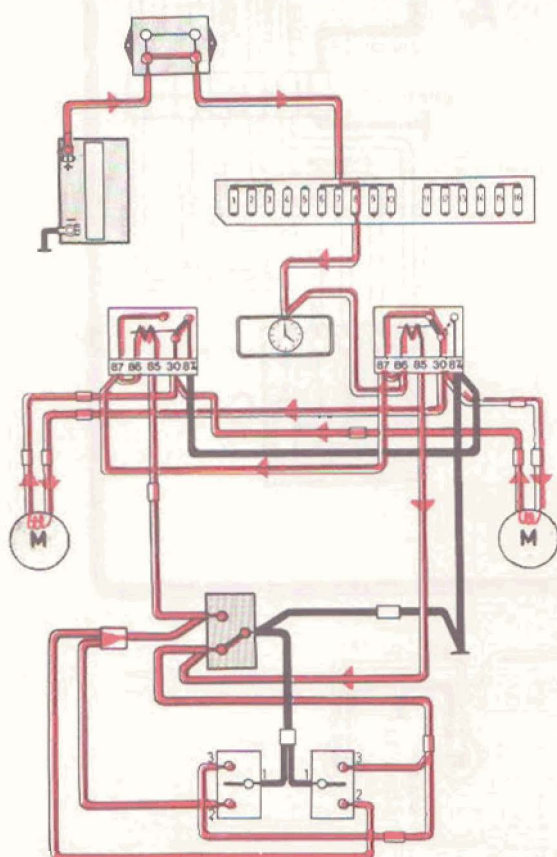
Using key to unlock



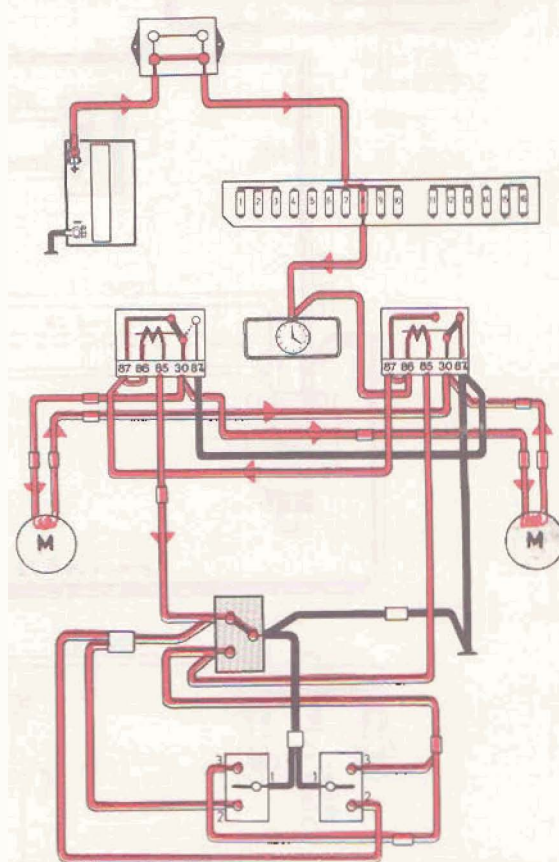
Using key to lock



Using arm rest switch to lock



Using arm rest switch to unlock



Cruise control

Fuse No. 1:

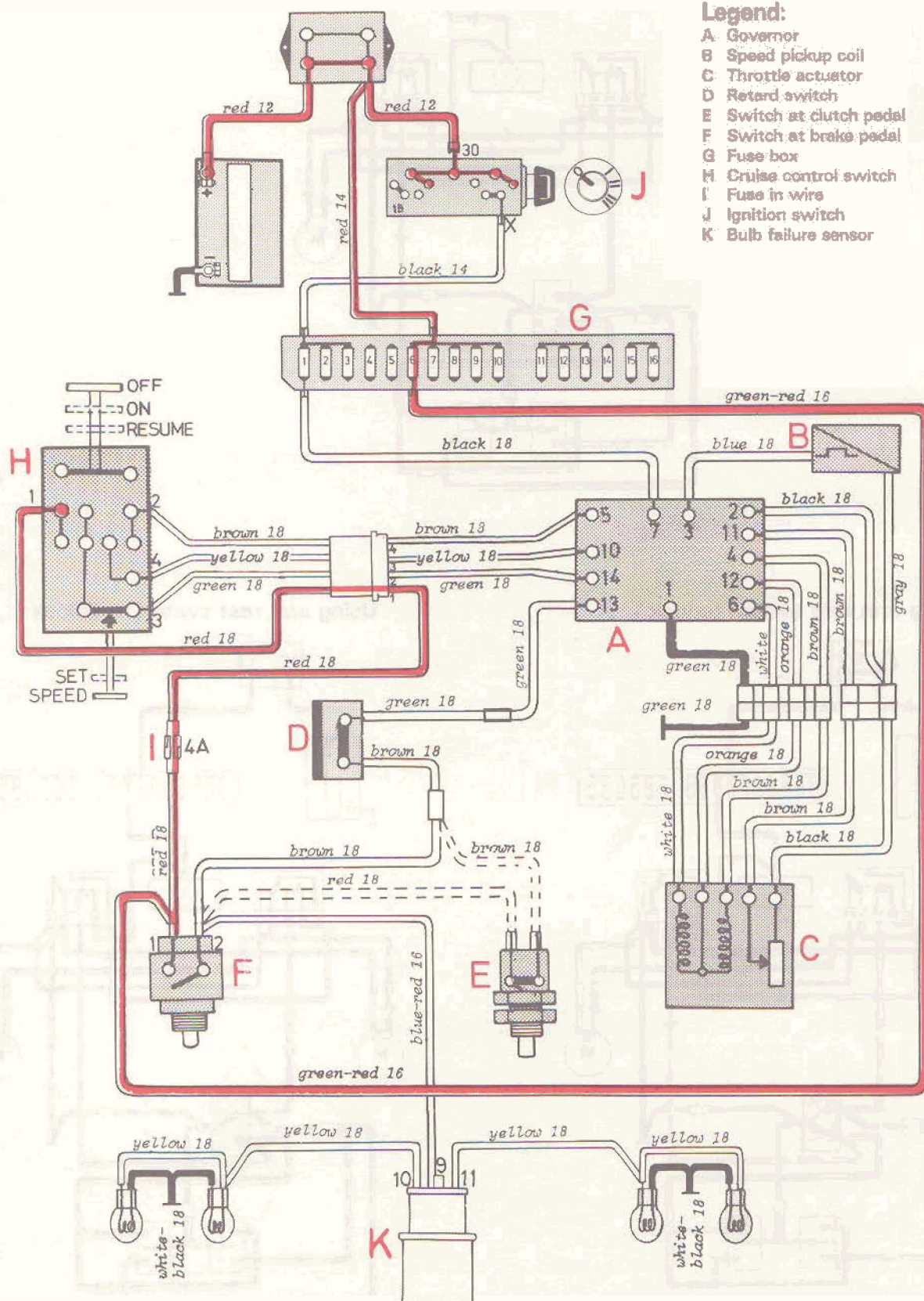
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)
Cruise control

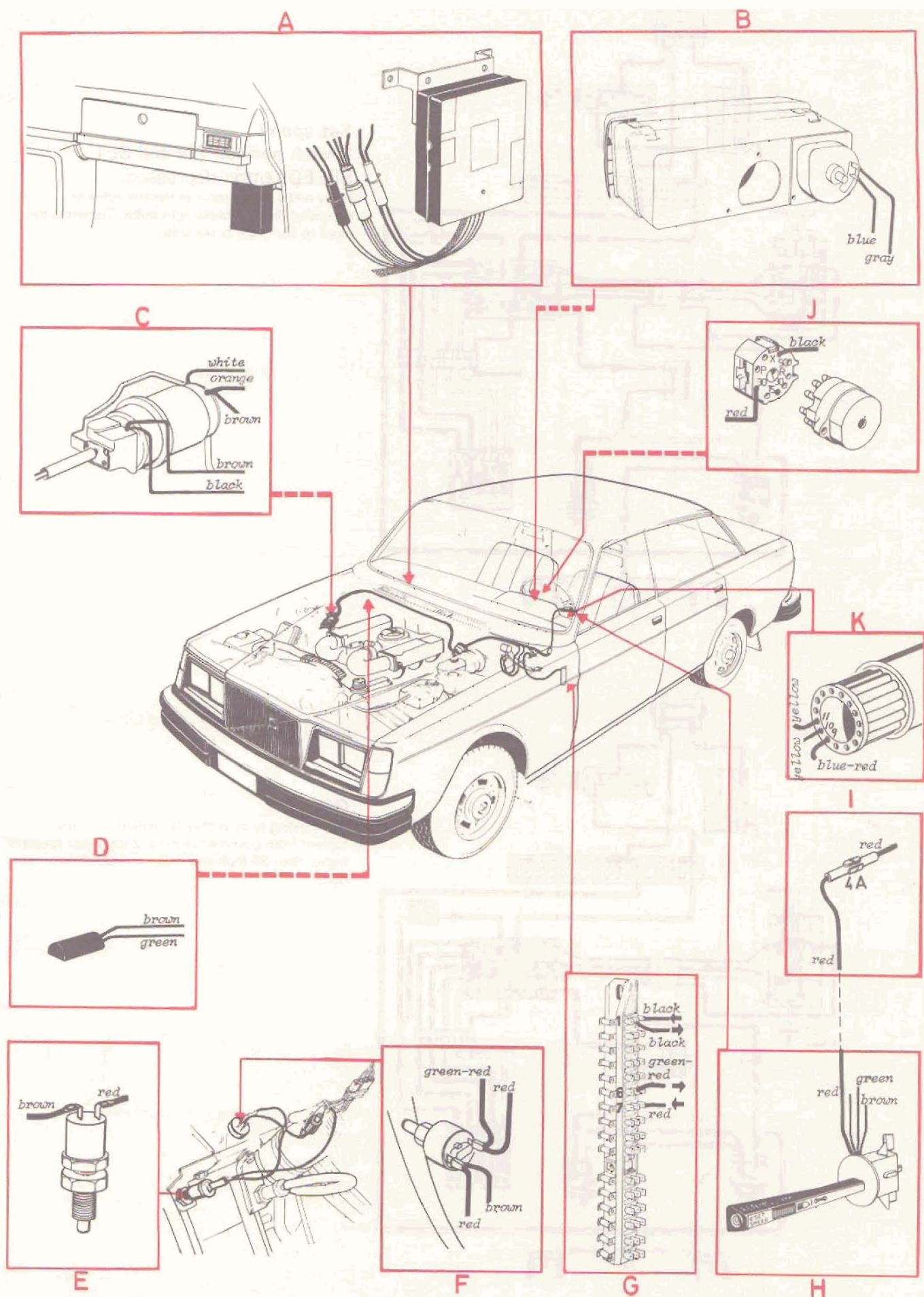
Fuse No. 6:

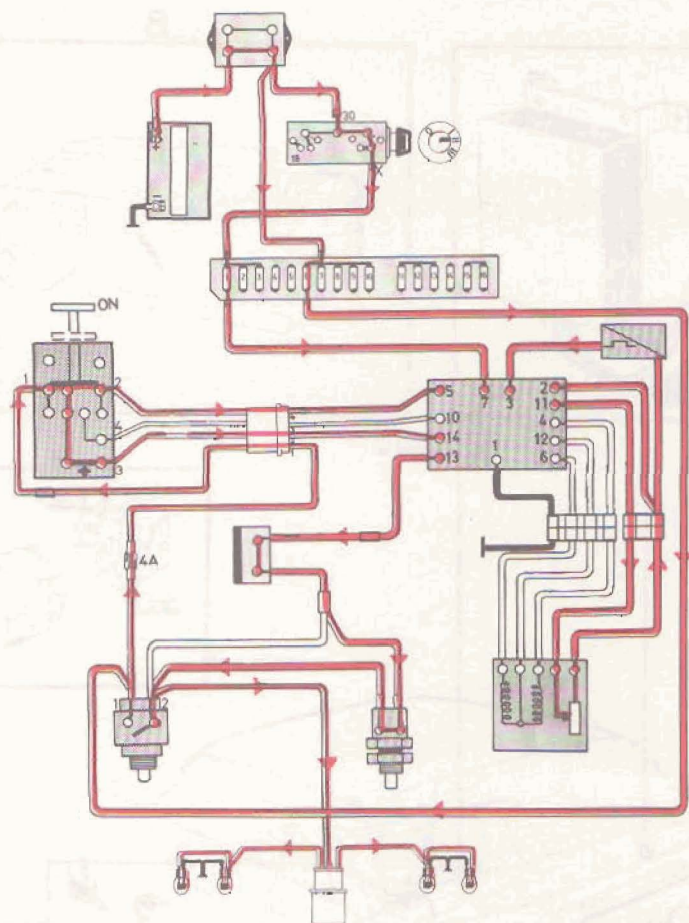
Brake light
Cruise control

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



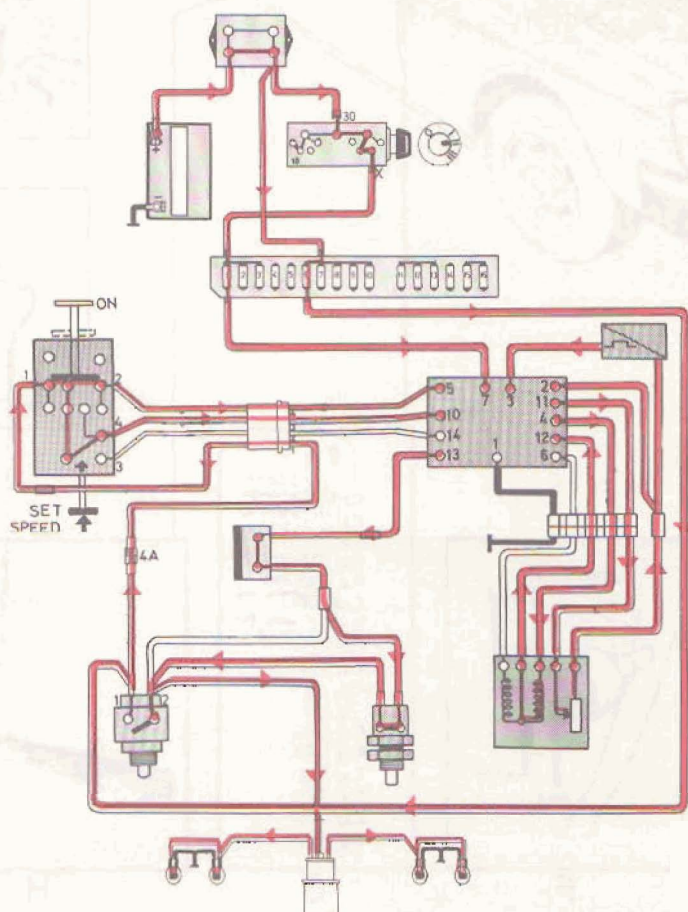




Set speed

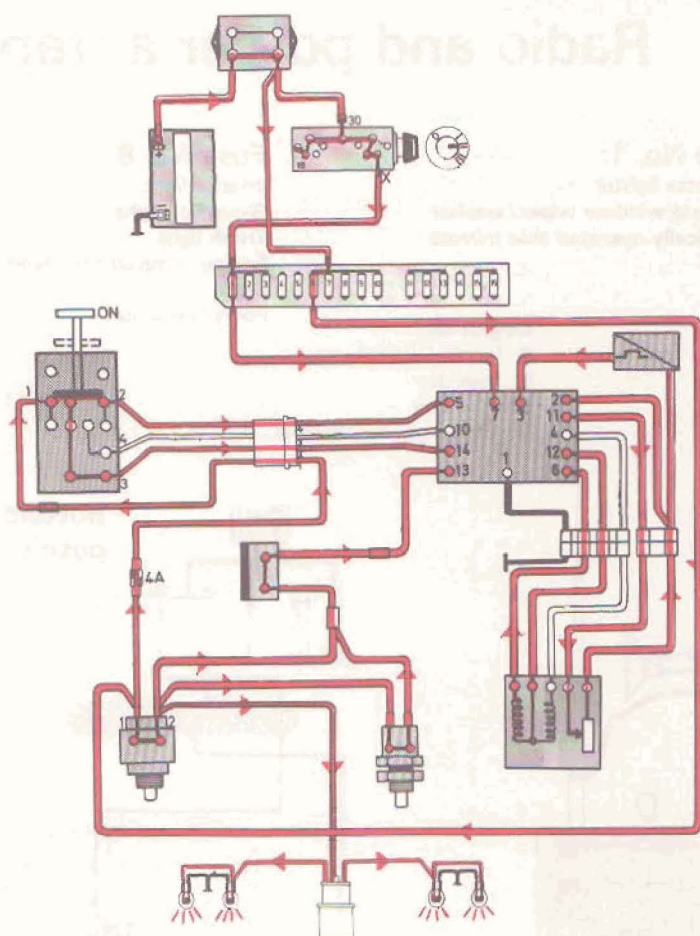
Switch position ON and SET
SPEED button depressed.

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



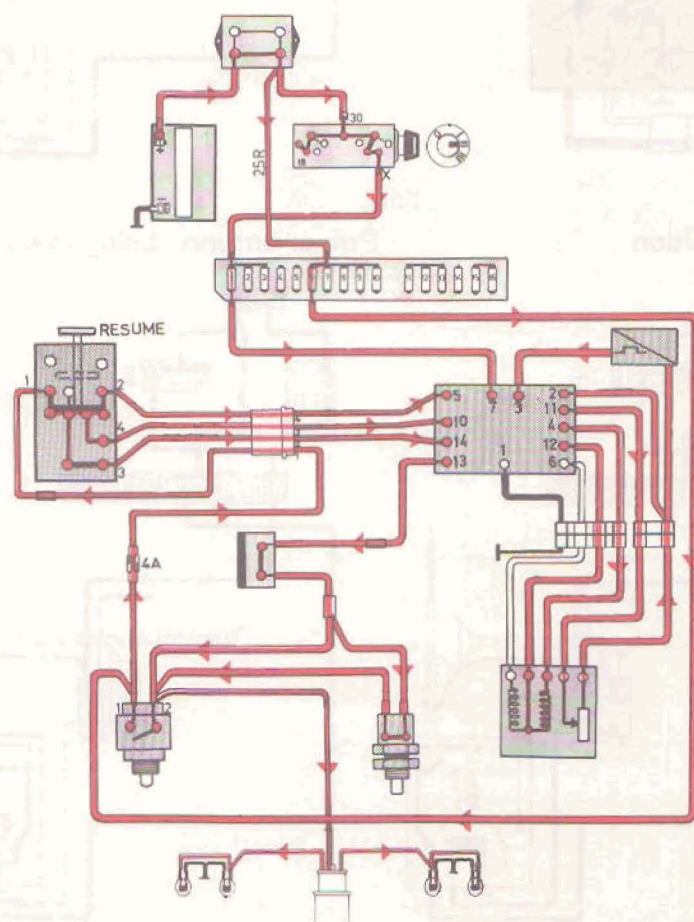
ON

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



Cruise control disengaged

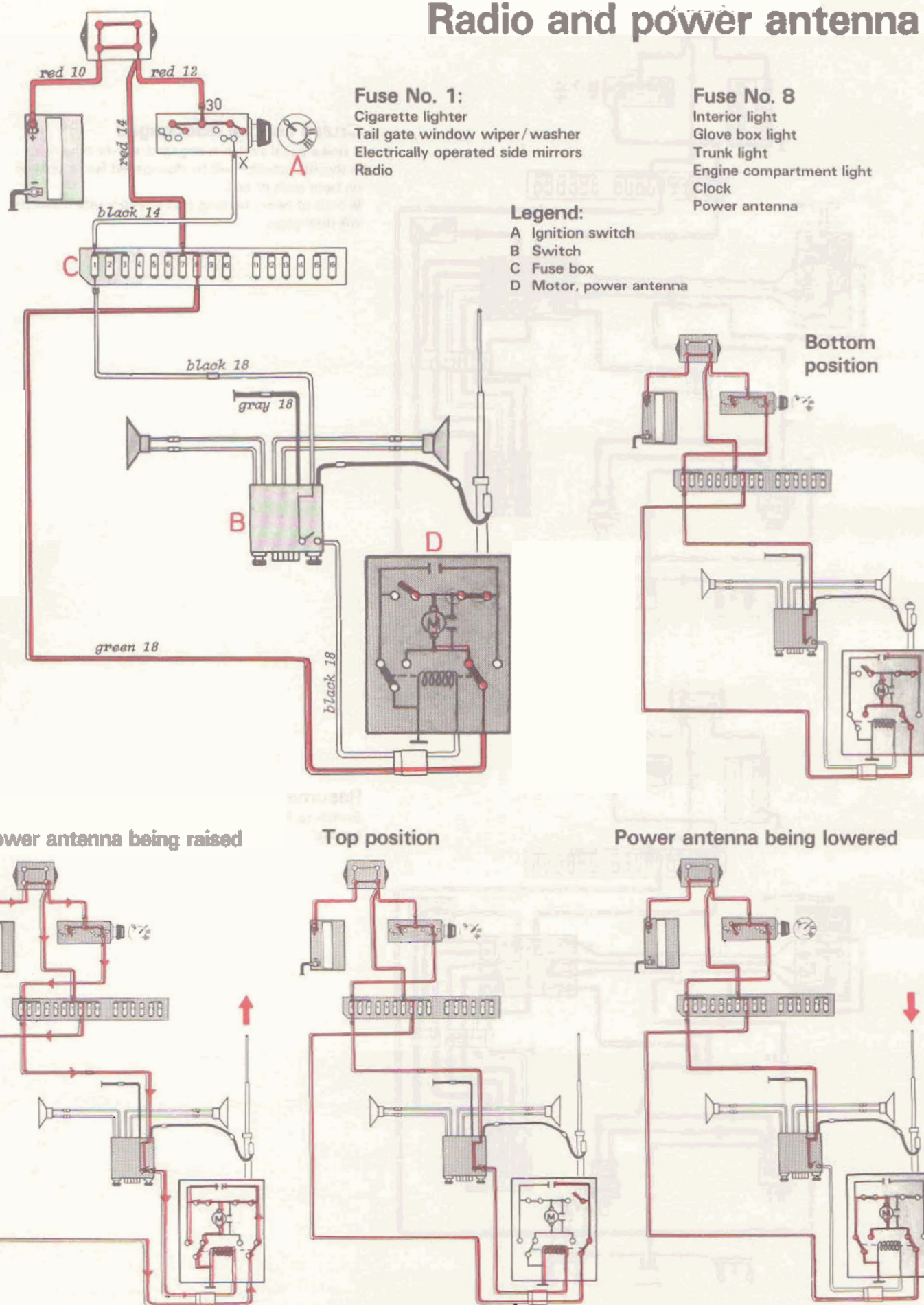
If brake pedal switch is engaged, self-holding relay in throttle actuator will be disengaged (same voltage on both ends of coil).
In case of heavy braking, also mercury retard switch will disengage.

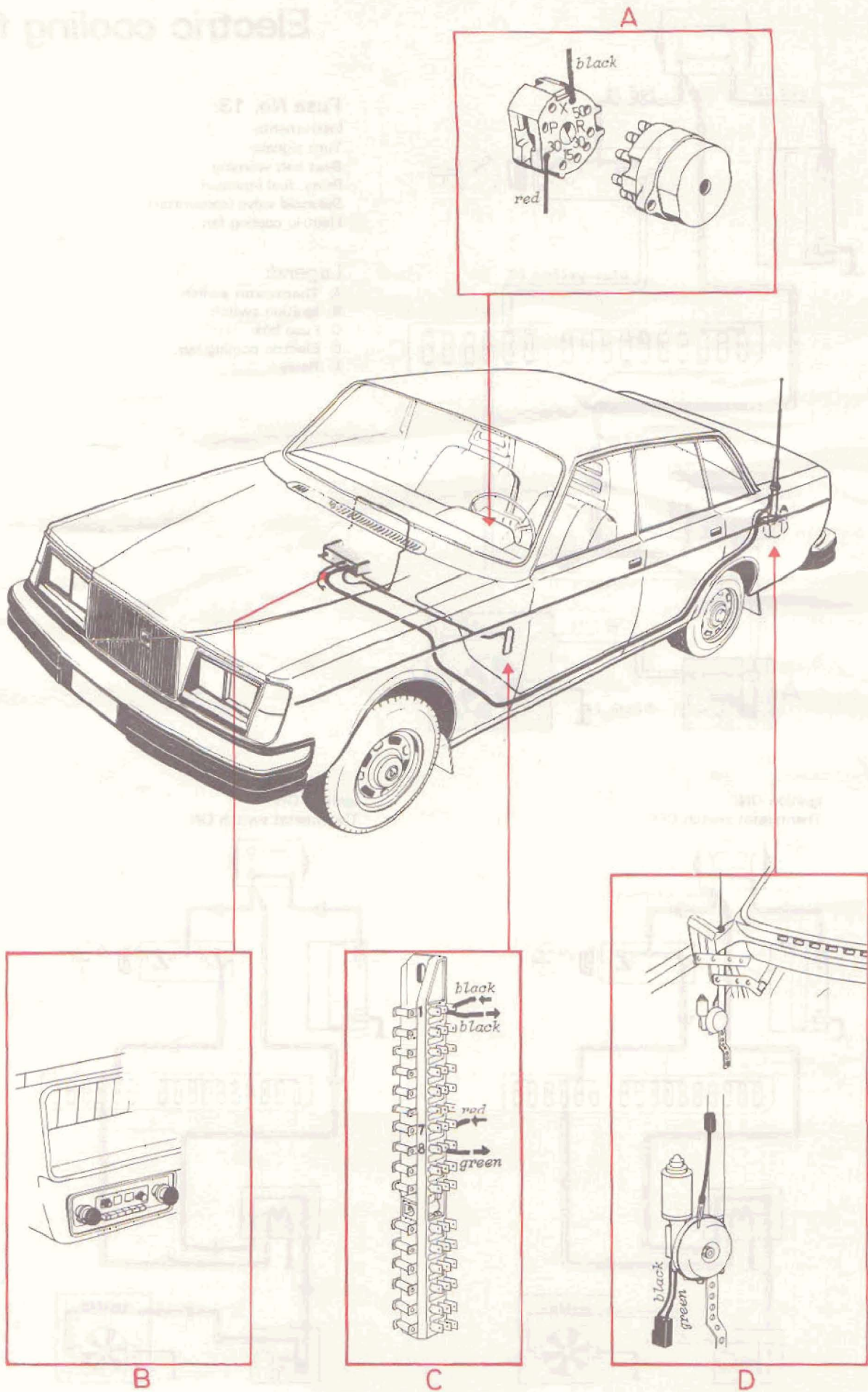


Resume

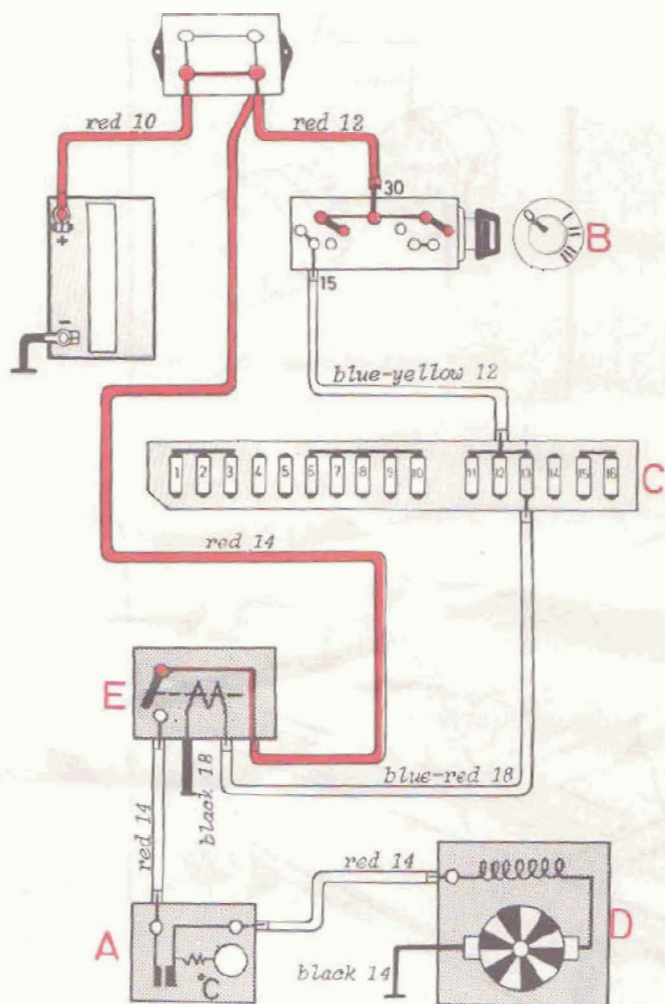
Switch to Resume engages memory and previous setting.

Radio and power antenna





Electric cooling fan



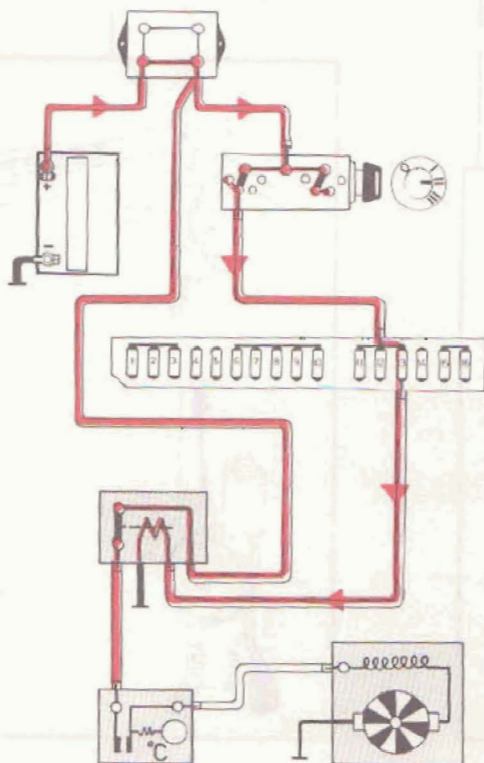
Fuse No. 13:

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

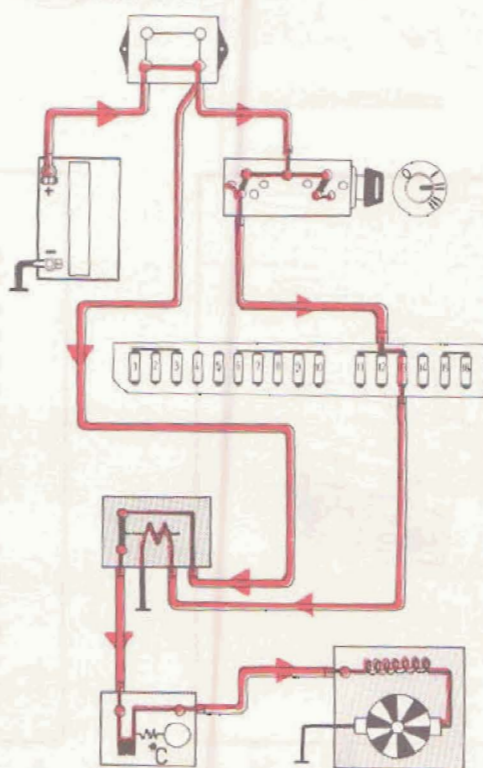
Legend:

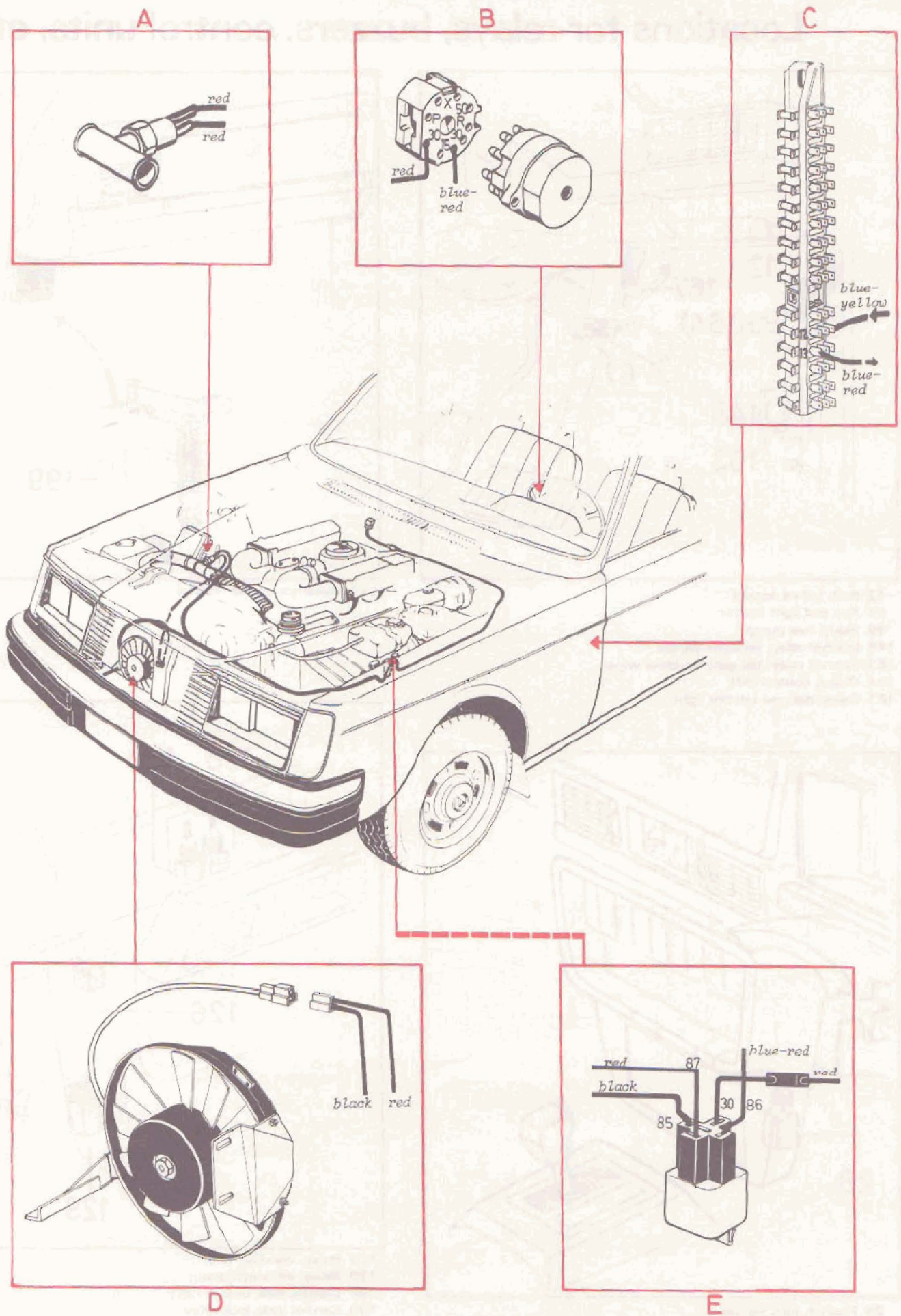
A Thermostat switch
B Ignition switch
C Fuse box
D Electric cooling fan
E Relay

Ignition ON.
Thermostat switch OFF.

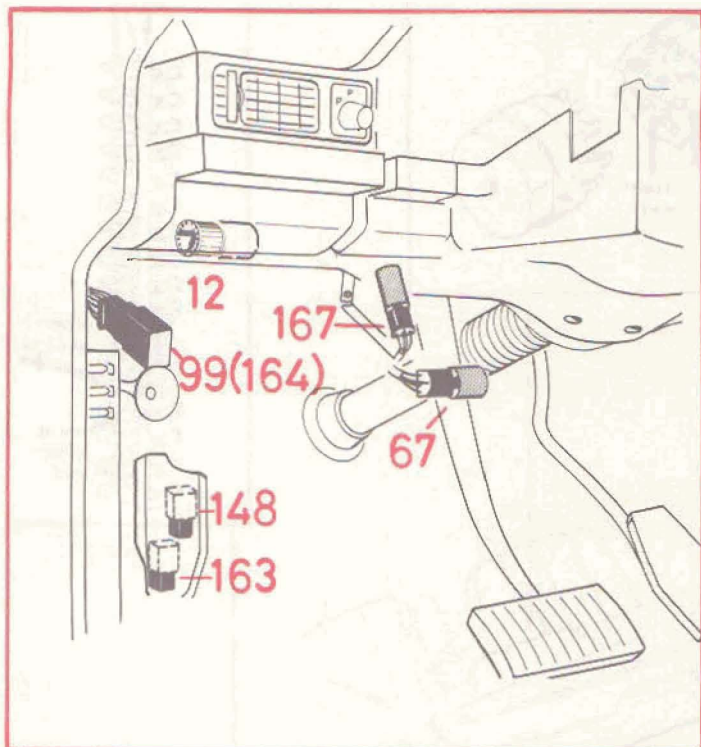


Ignition ON.
Thermostat switch ON.

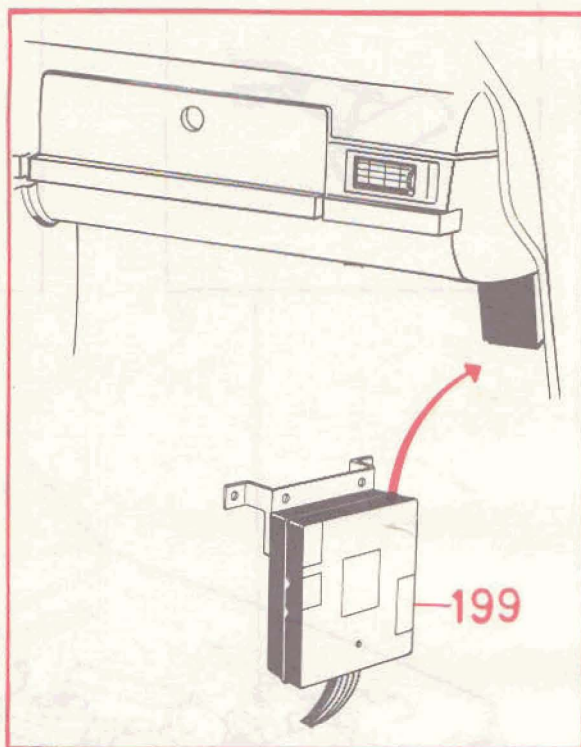




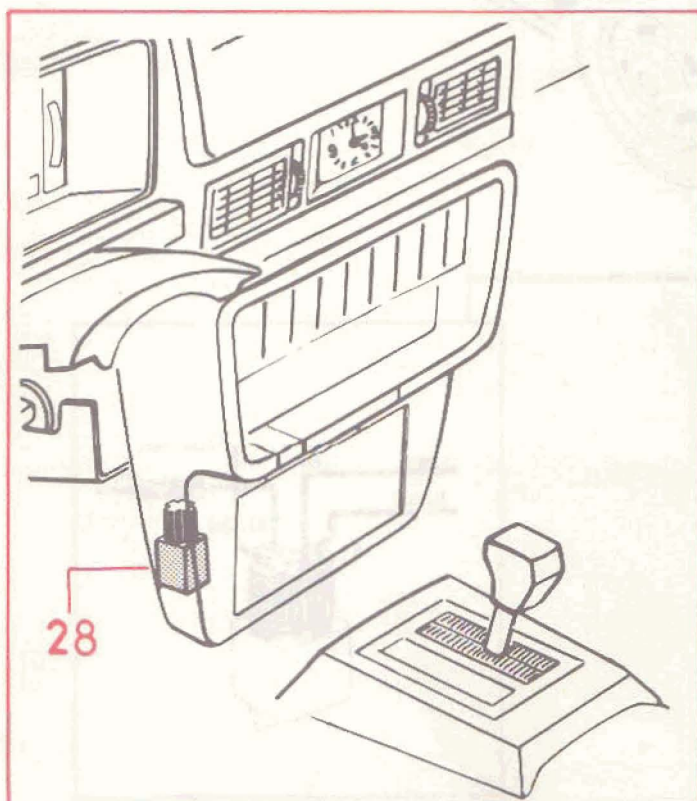
Locations for relays, buzzers, control units, etc



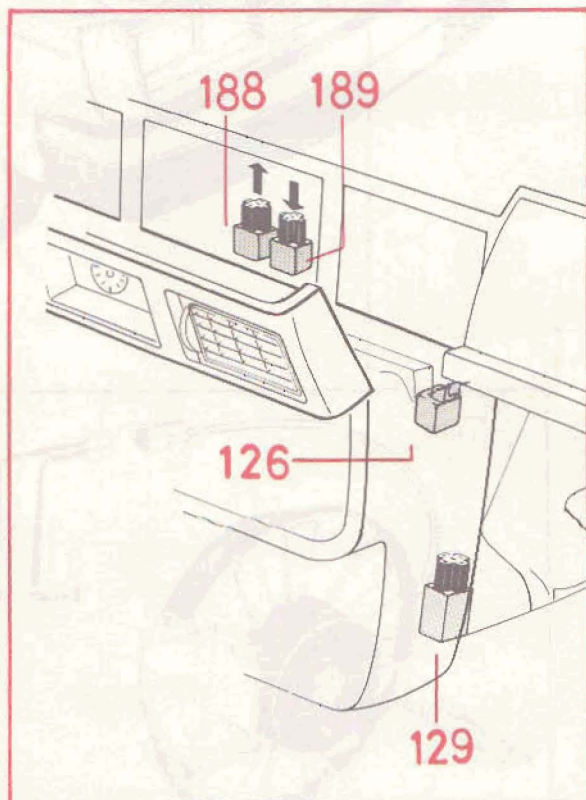
- 12 Bulb failure sensor
- 67 Key and light buzzer
- 99 Relay, fuel pump
- 148 Interval relay, window wipers
- 163 Interval relay, tail gate window wiper
- 164 Diesel, control unit
- 167 Relay, delayed interior light



199 Governor, cruise control



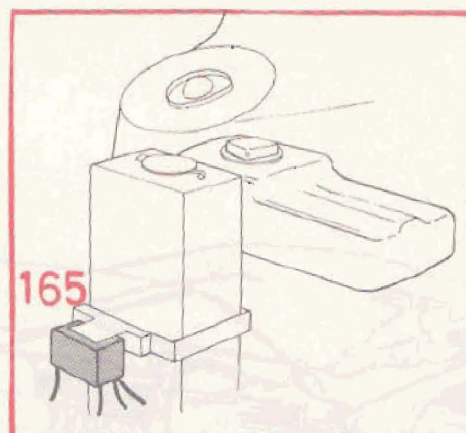
28 Flasher, turn signals



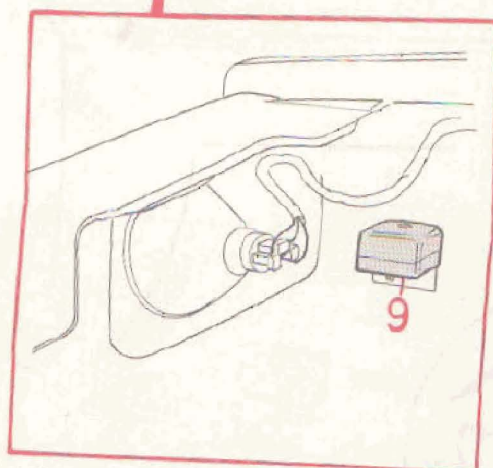
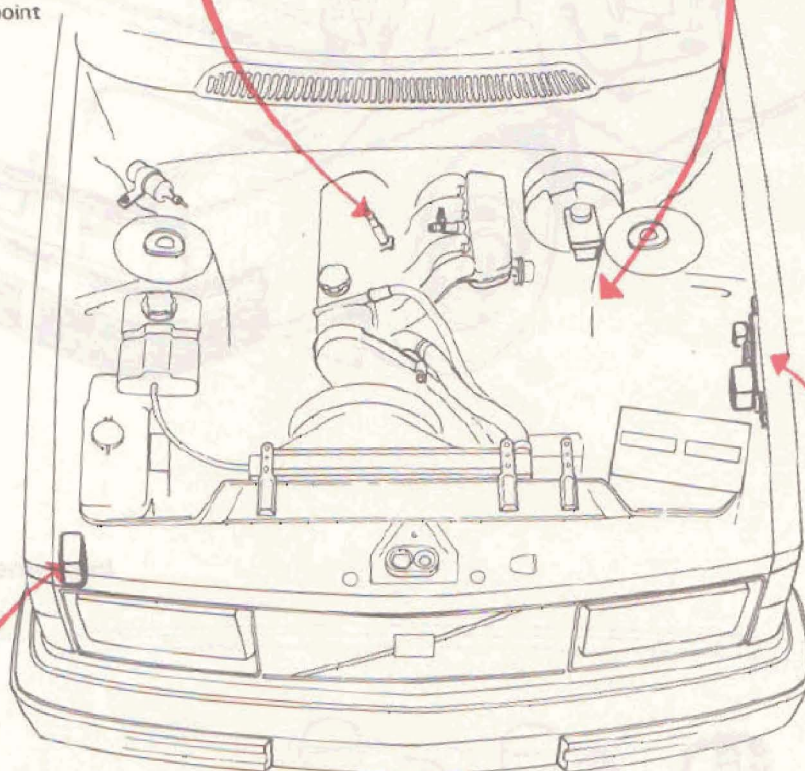
- 126 Relay, window lifts
- 129 Relay, air conditioning
- 188 Central lock, unlock relay
- 189 Central lock, lock relay



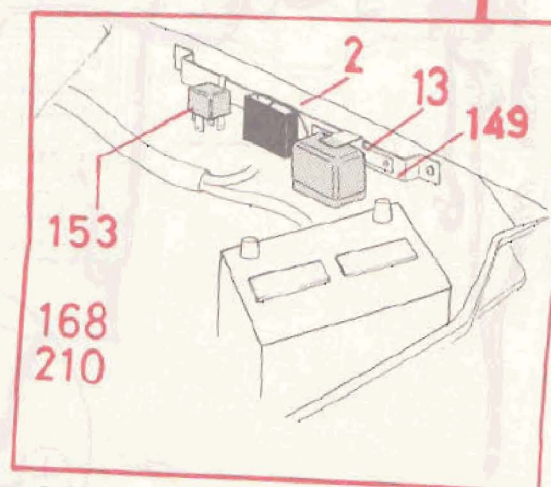
119 Test instrument pick-up point



165 Diesel: glow plug relay



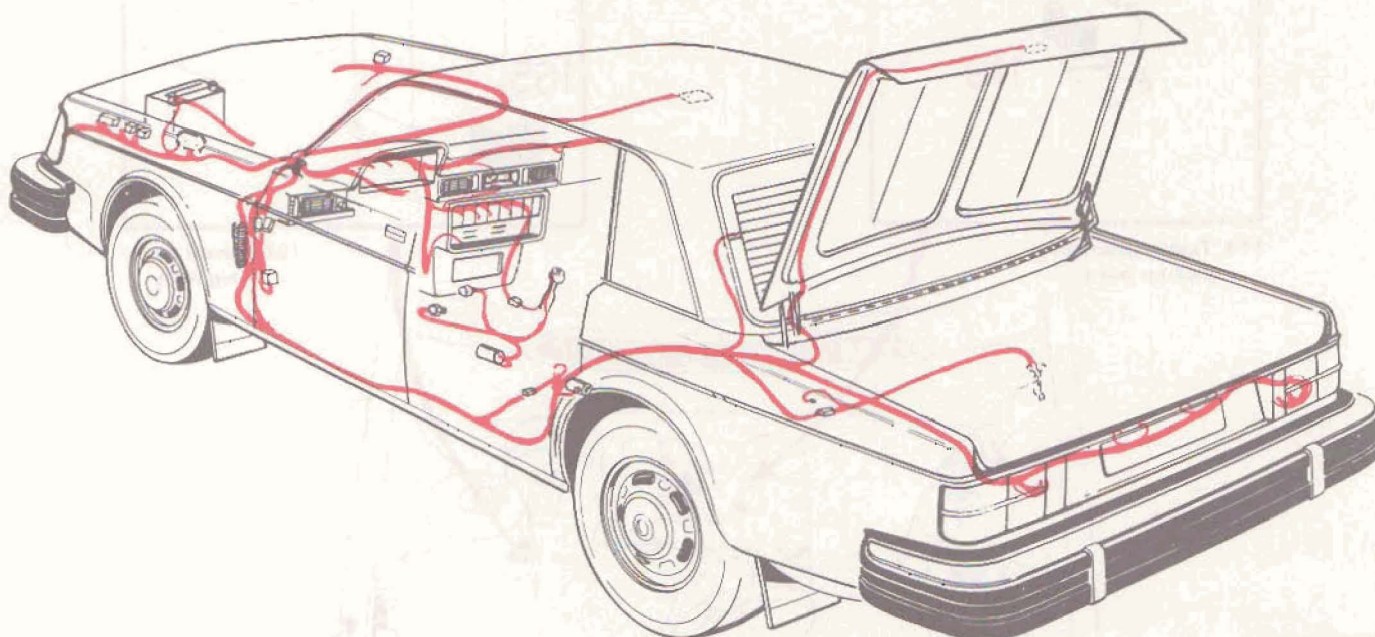
9 Voltage regulator



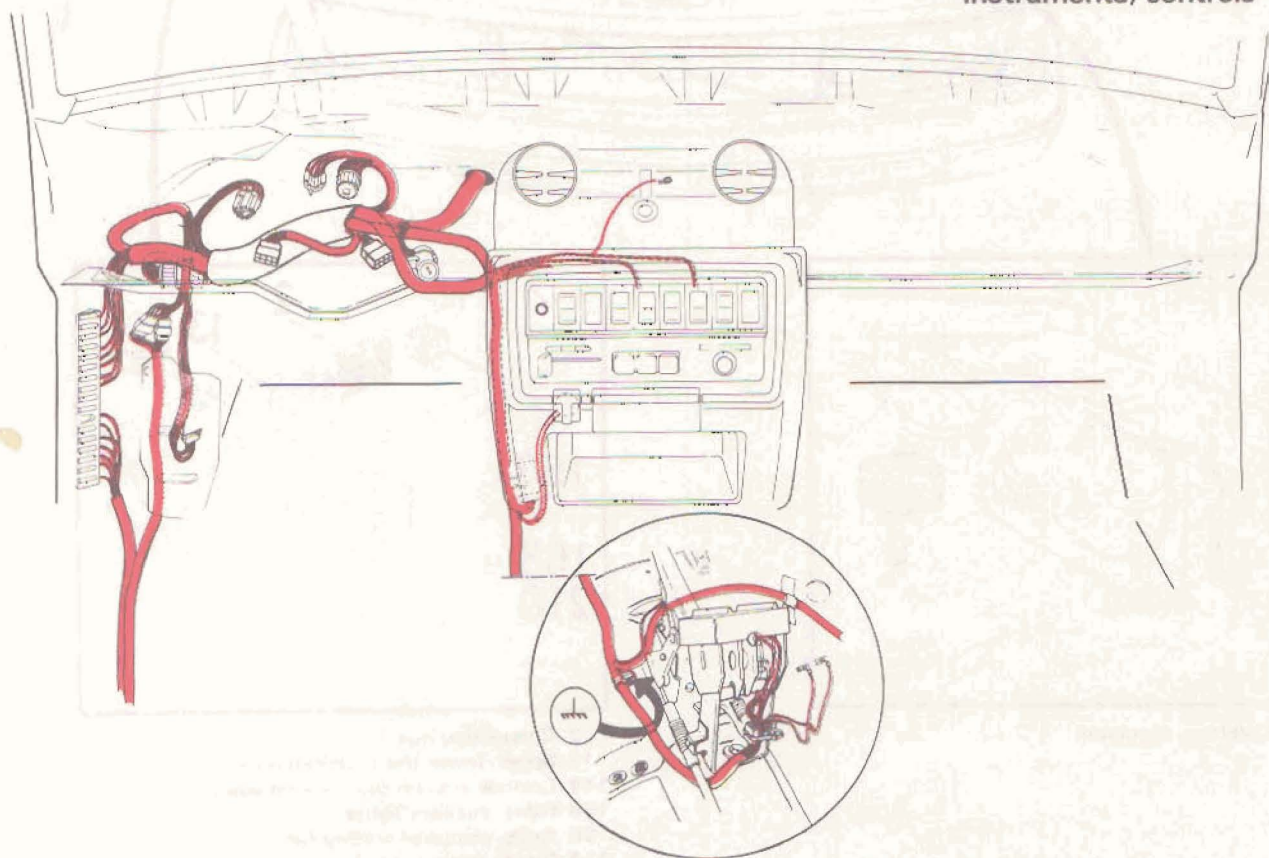
- 2 Connection box
- 13 Upper/lower beam switch relay
- 149 Lambda system test pick-up point
- 153 Relay, auxiliary lights
- 168 Relay, electrical cooling fan
- 210 Diesel, relay, control unit

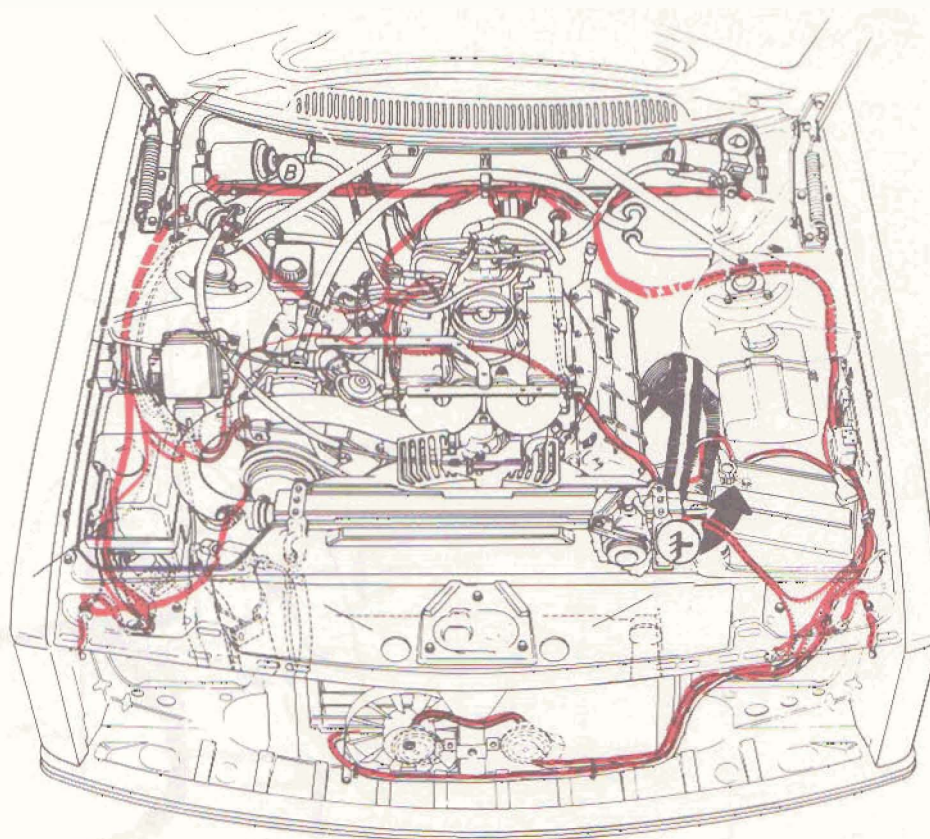
Wiring harnesses

Main wiring harness

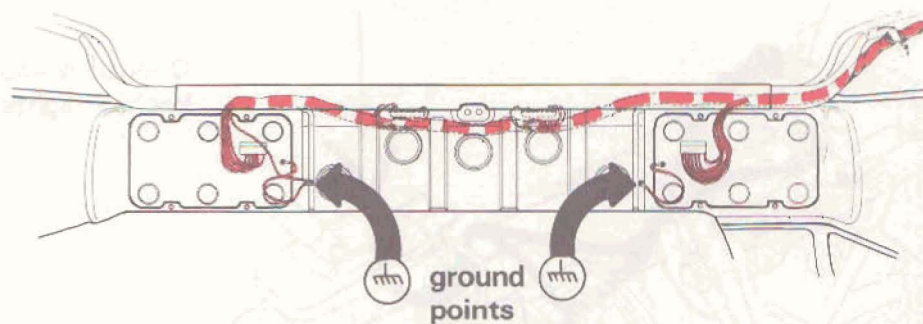


Instruments, controls

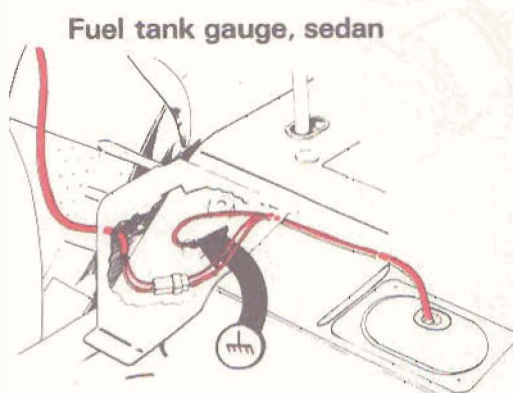




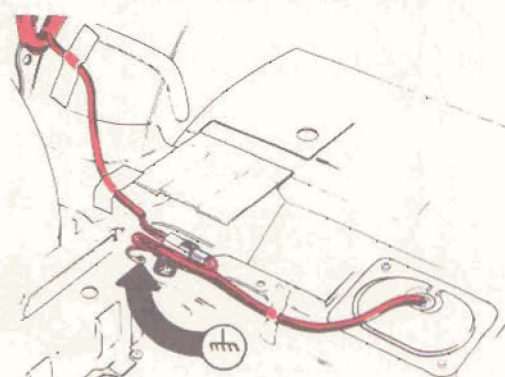
Engine compartment



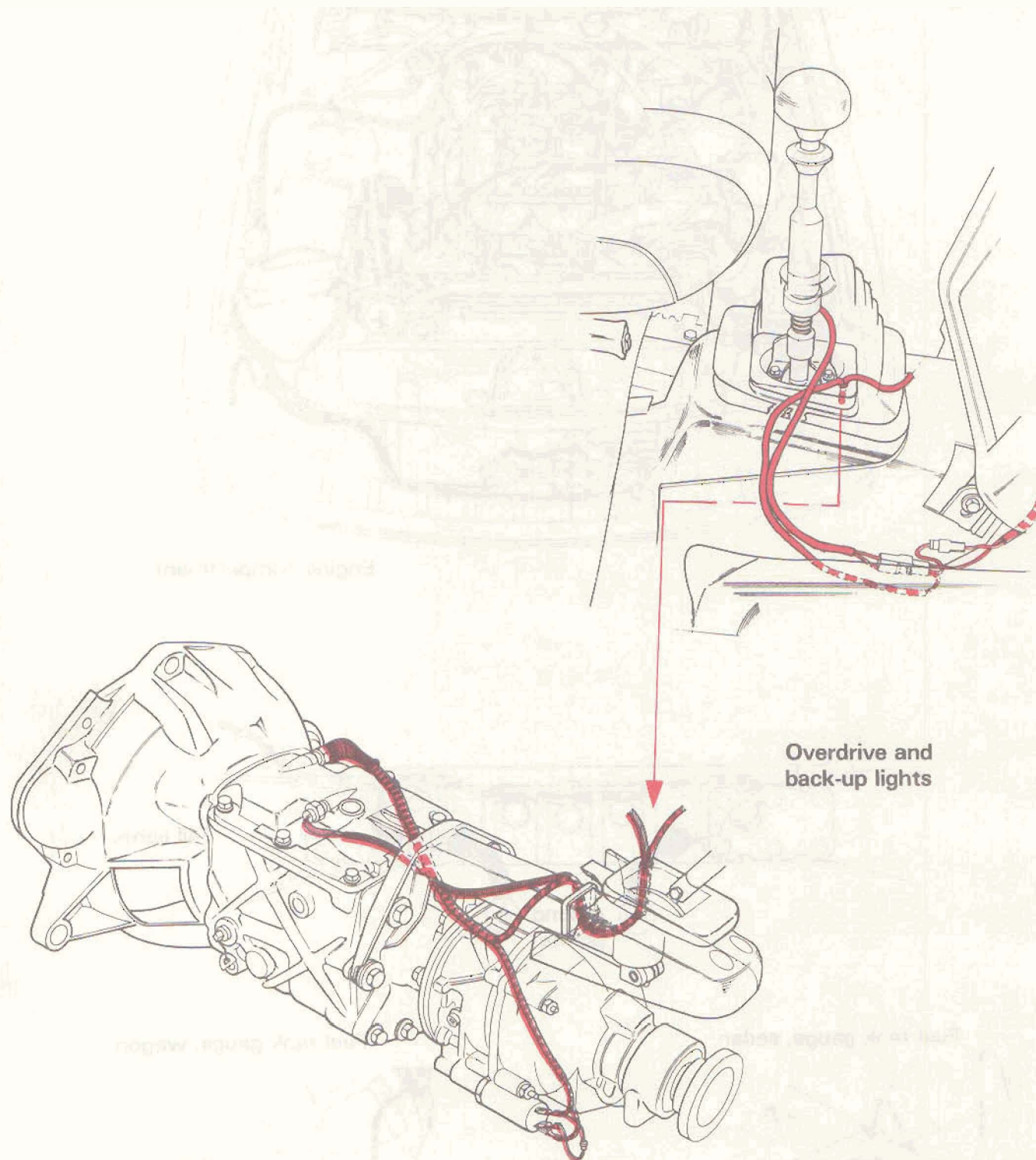
Tail lights

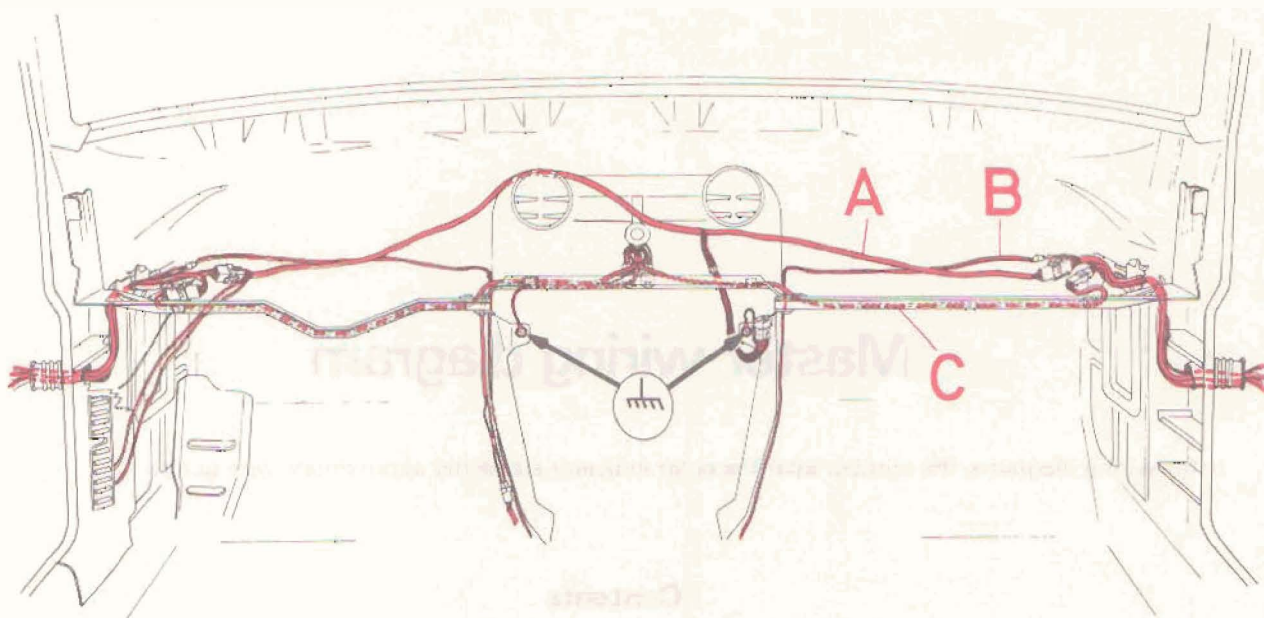


Fuel tank gauge, sedan

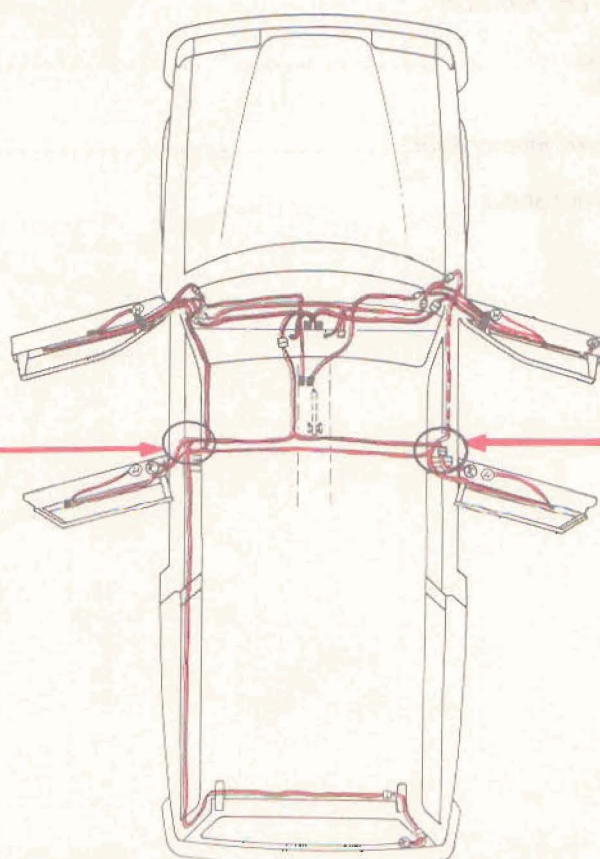
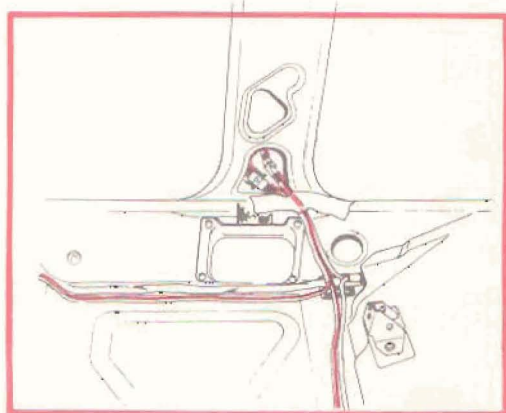
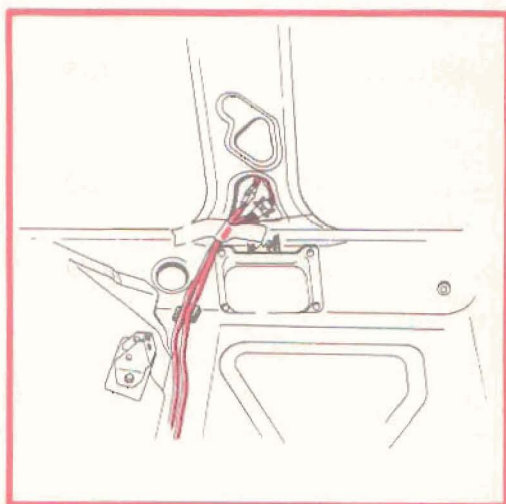


Fuel tank gauge, wagon





- 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
Auxiliary lights
Electrical cooling fan

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Window lifts, 2-door
Automatic transmission
Lambda system
Instrument connectors
Electrically operated door mirrors

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Central lock
Air conditioning, heater
Seat belt reminder

138

Coupe
Radio

139

Delayed interior light

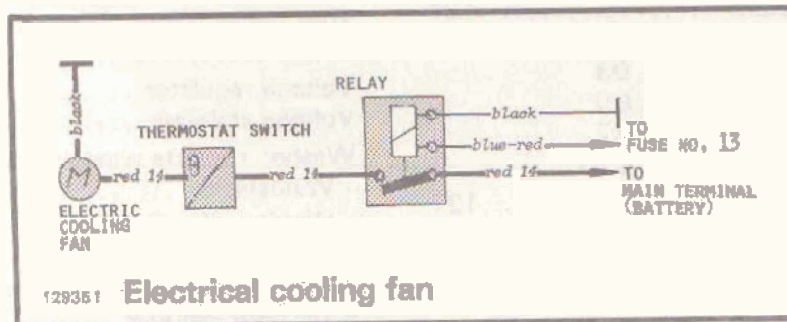
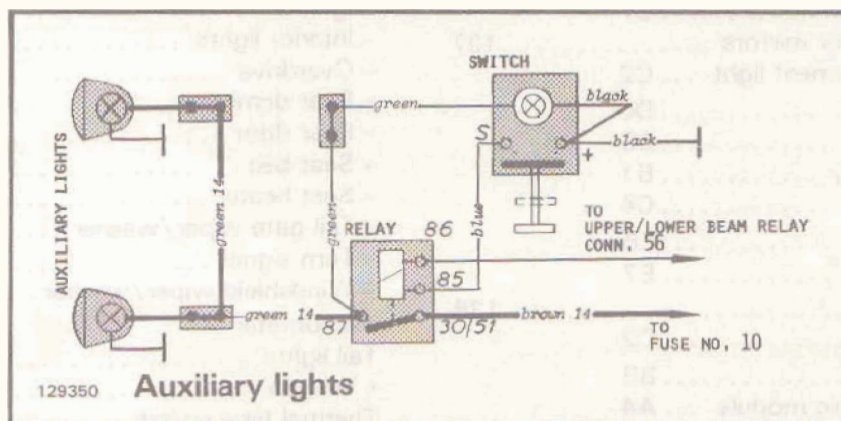
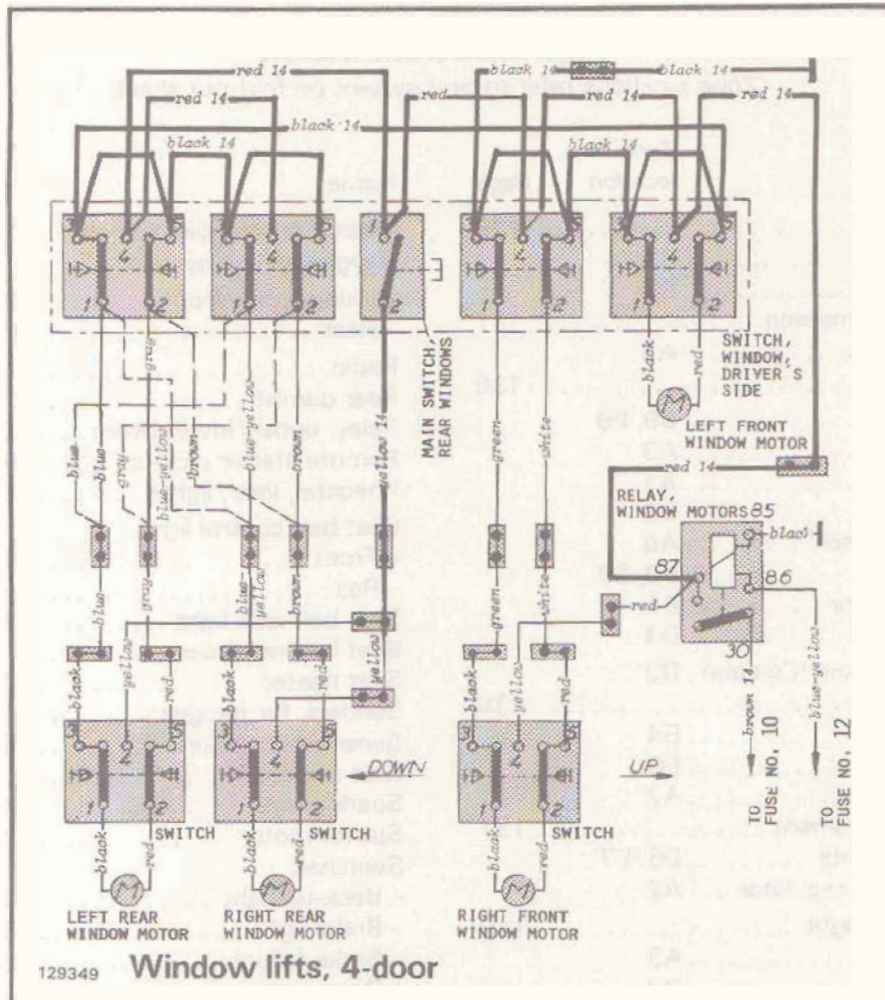
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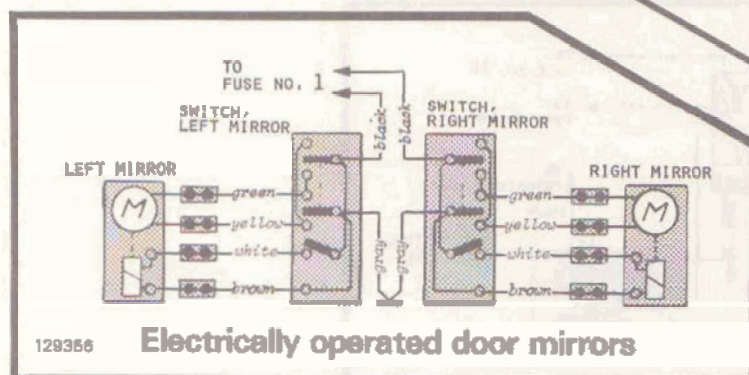
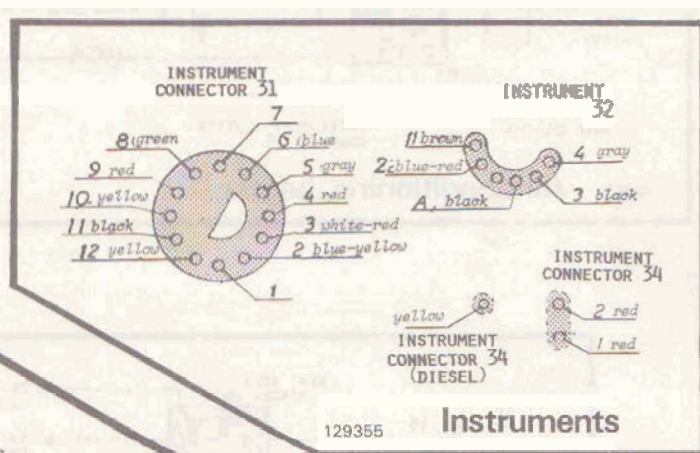
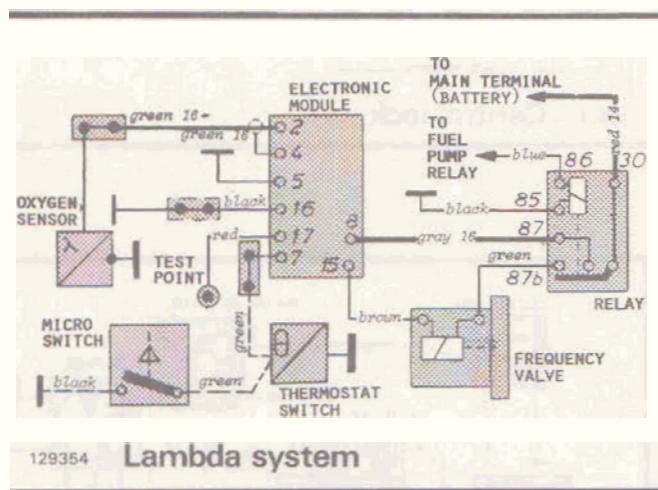
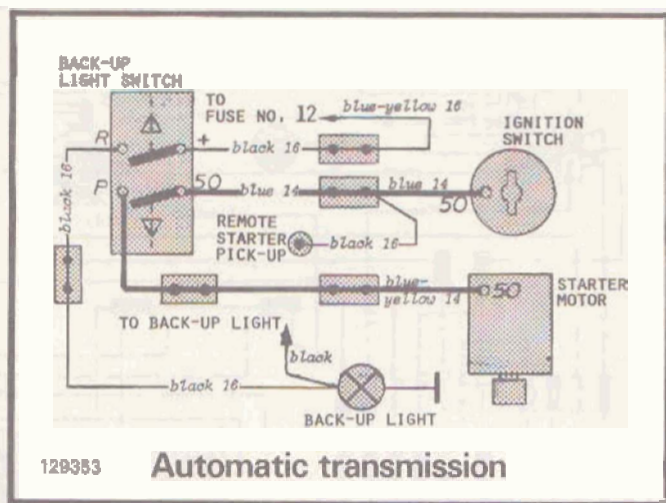
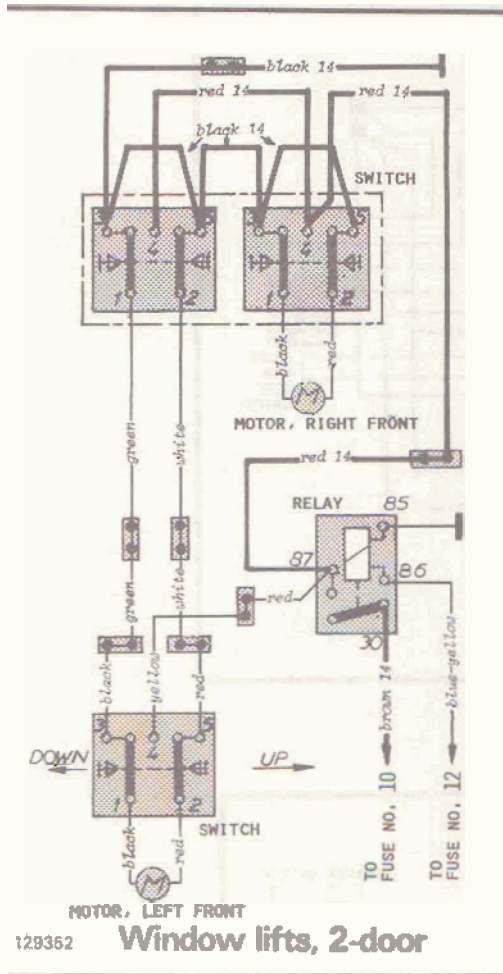
Fold-out sheet

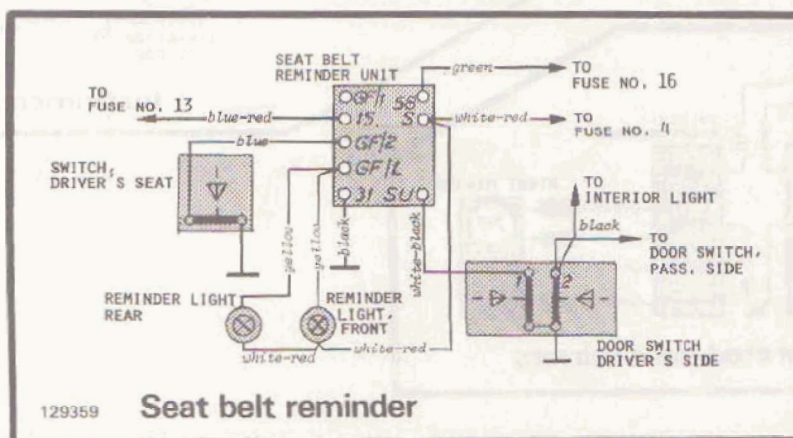
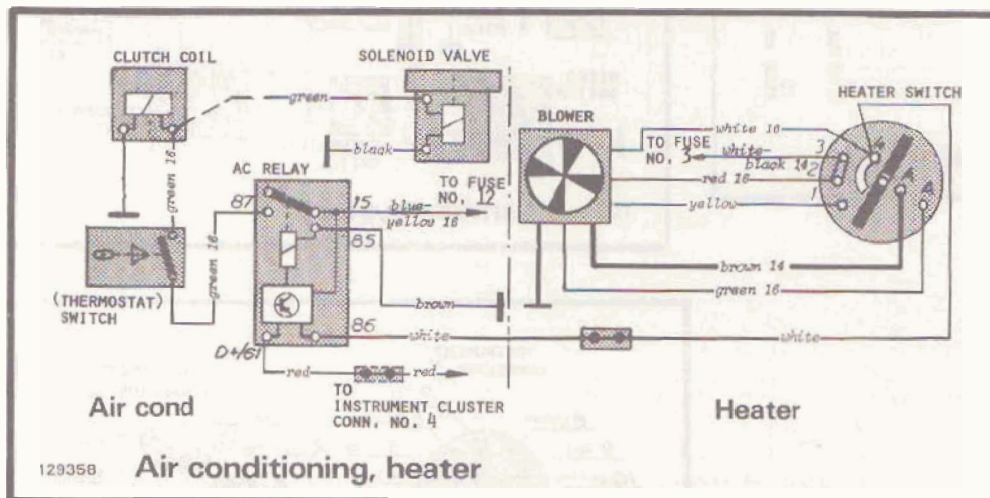
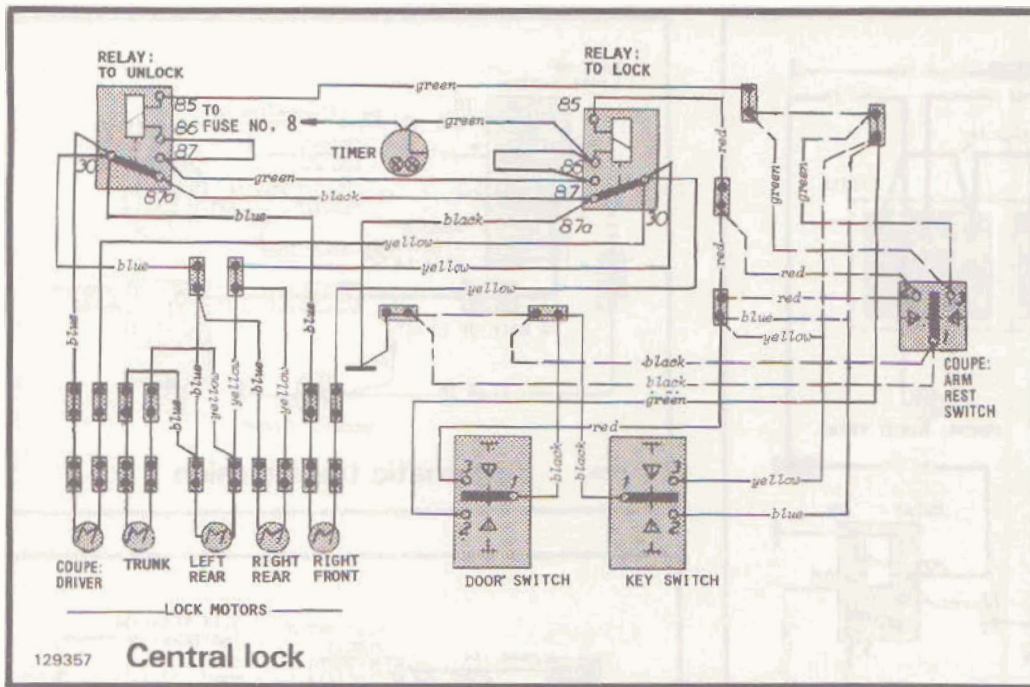
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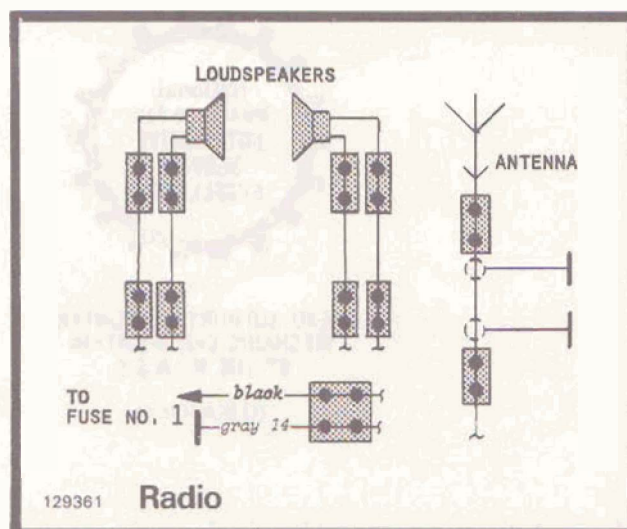
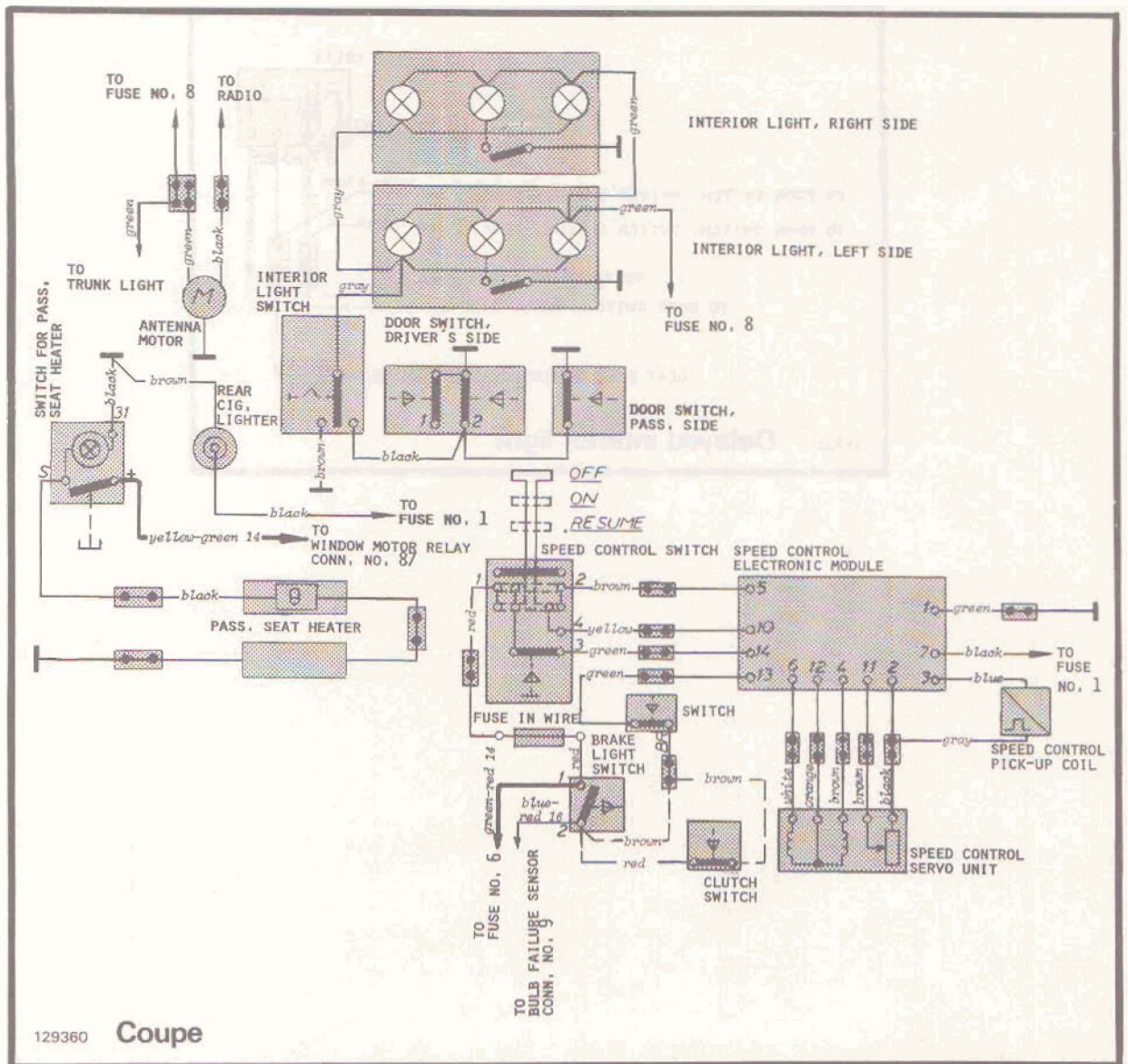
Zone locations refer to grid system on fold-out sheet.

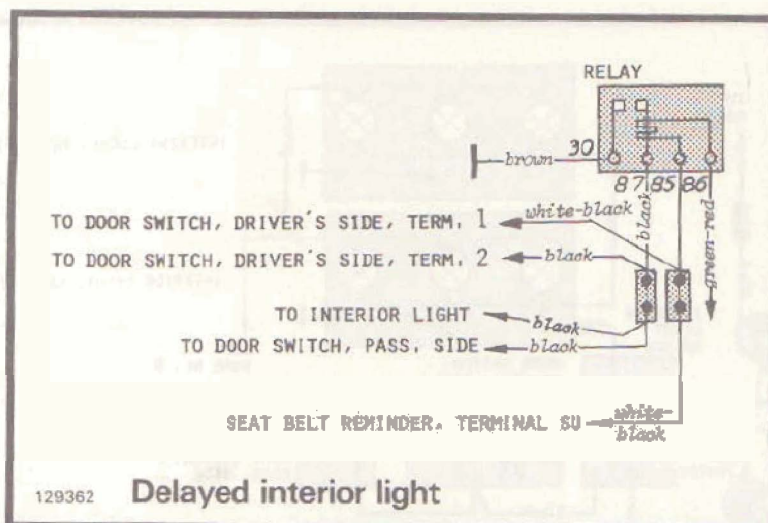
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VOLVO SUPPORTS VOLUNTARY
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(U.S.A. Only)

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