

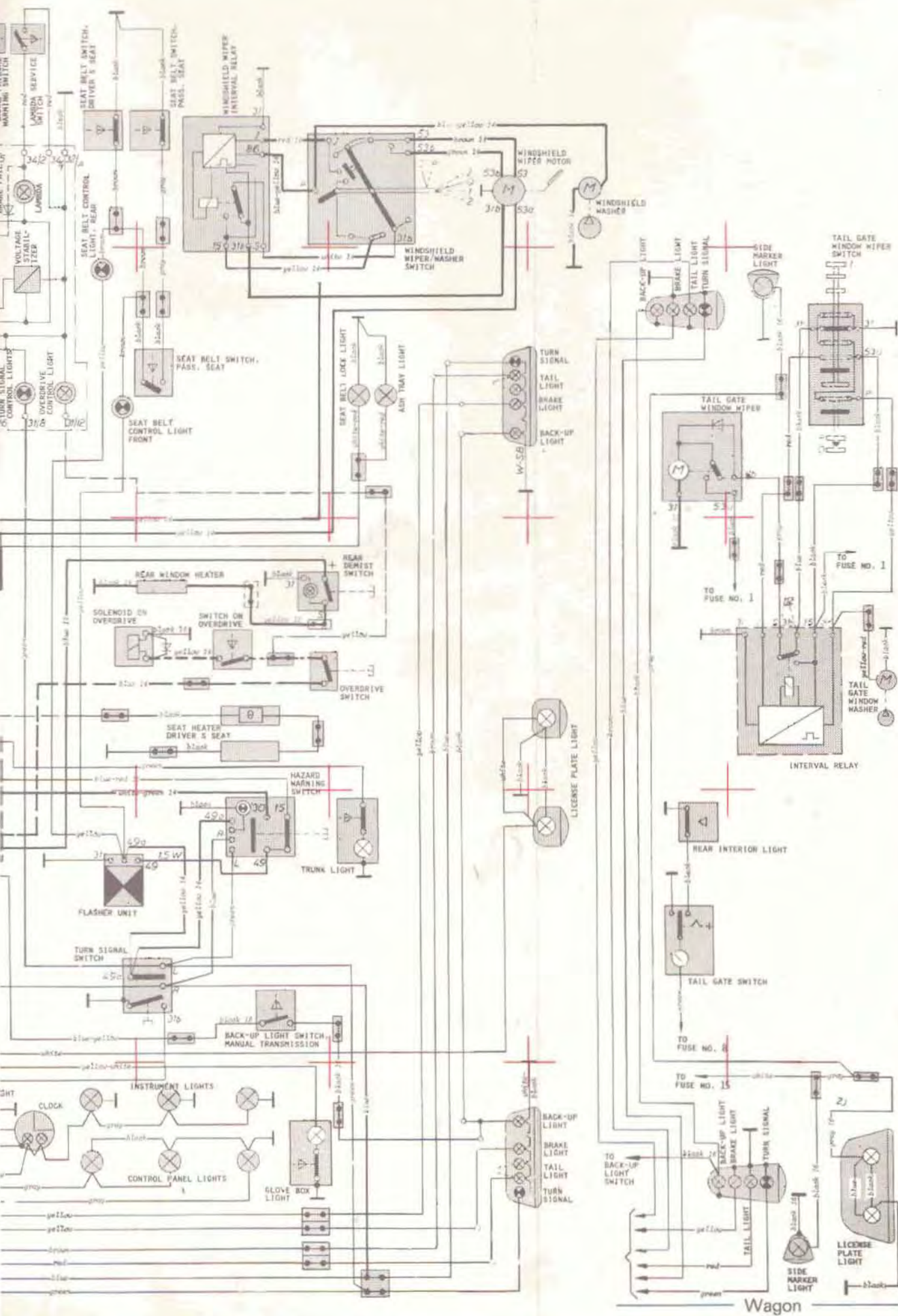
Wiring Diagrams 1980

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Wiring Diagrams

1980 Models

VOLVO



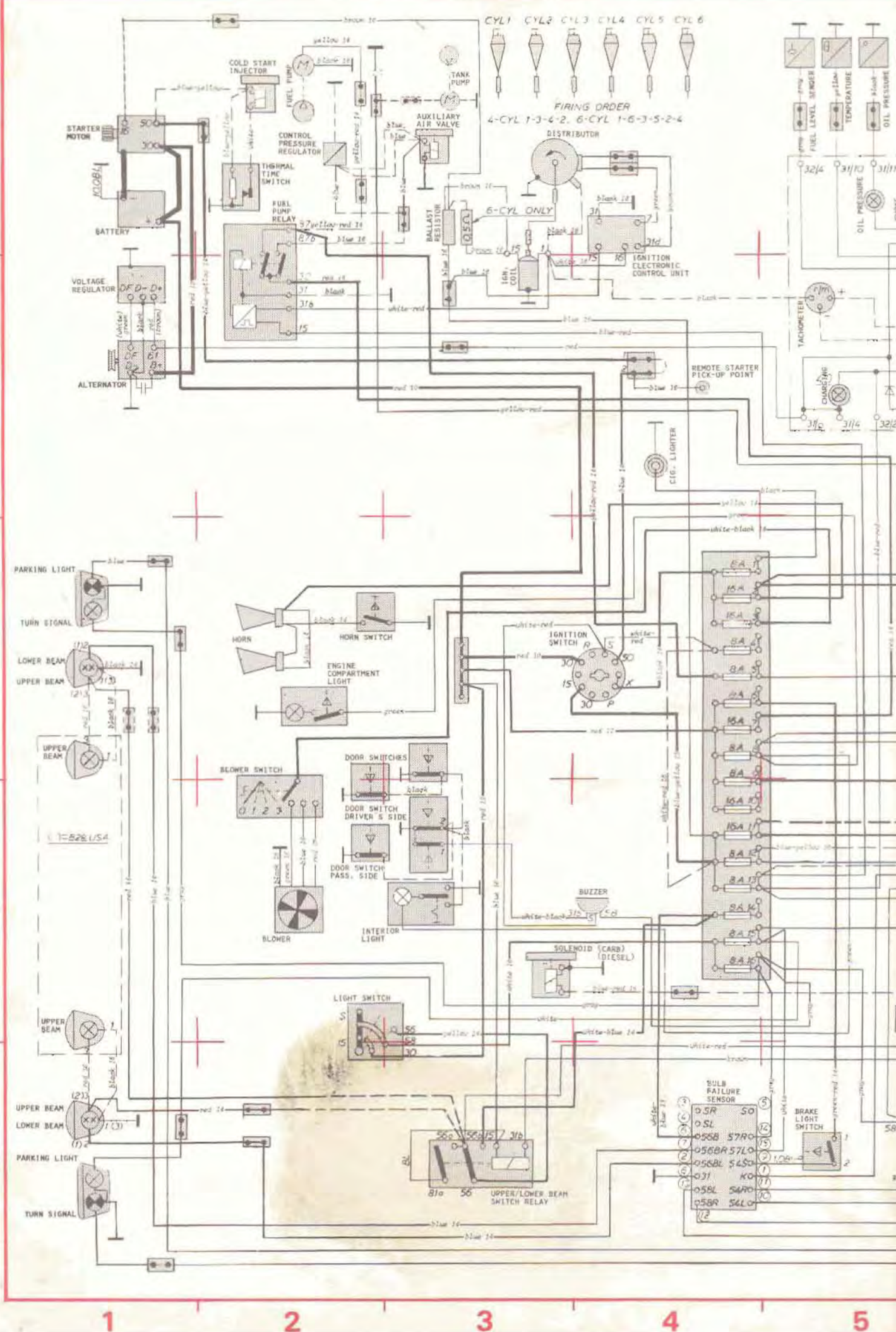
A

B

C

D

E



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NOTE:

Diesel circuitry is generally $\approx$ GLE

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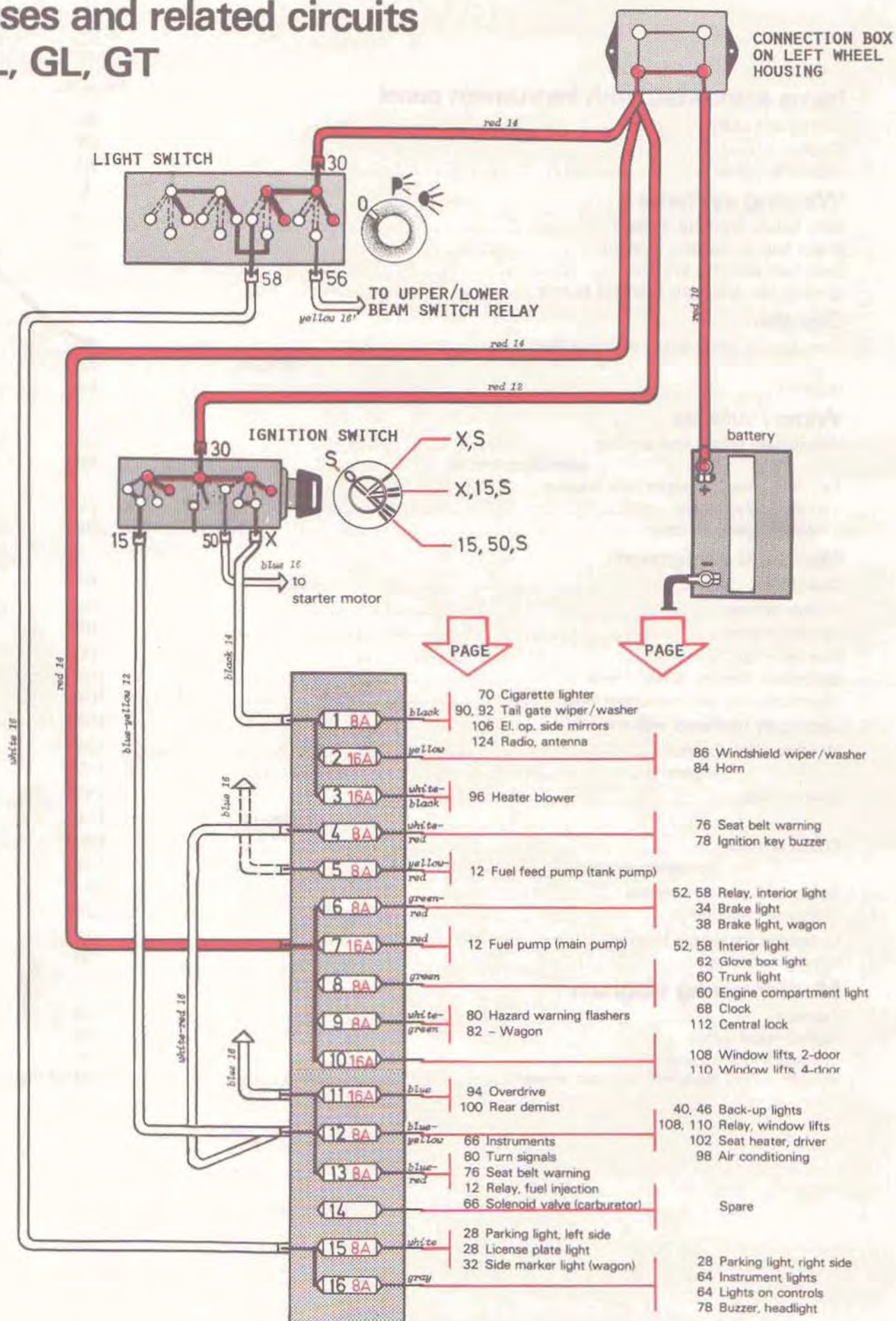
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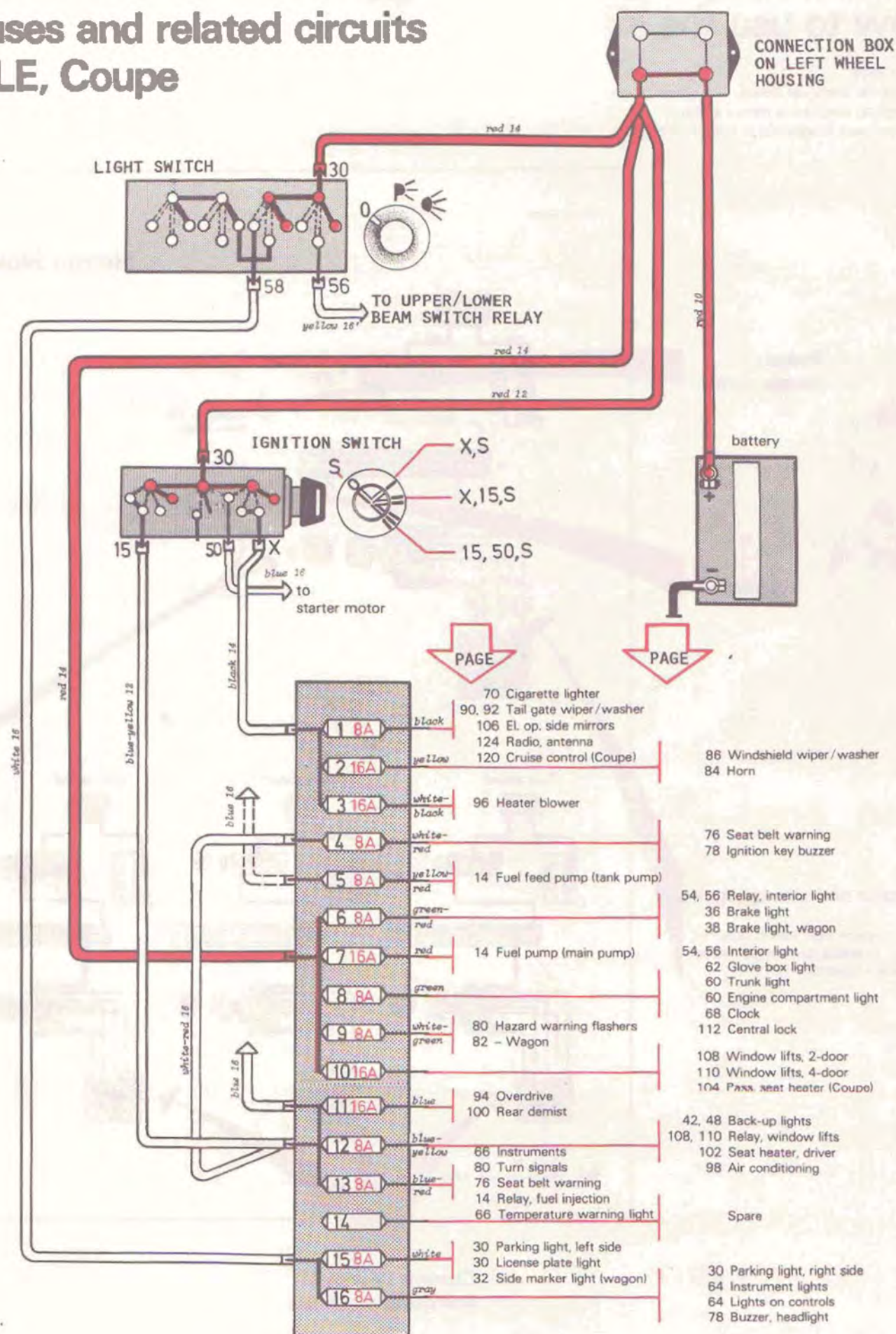
Master wiring diagram

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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

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

Wire color and size (gauge).

Note:

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

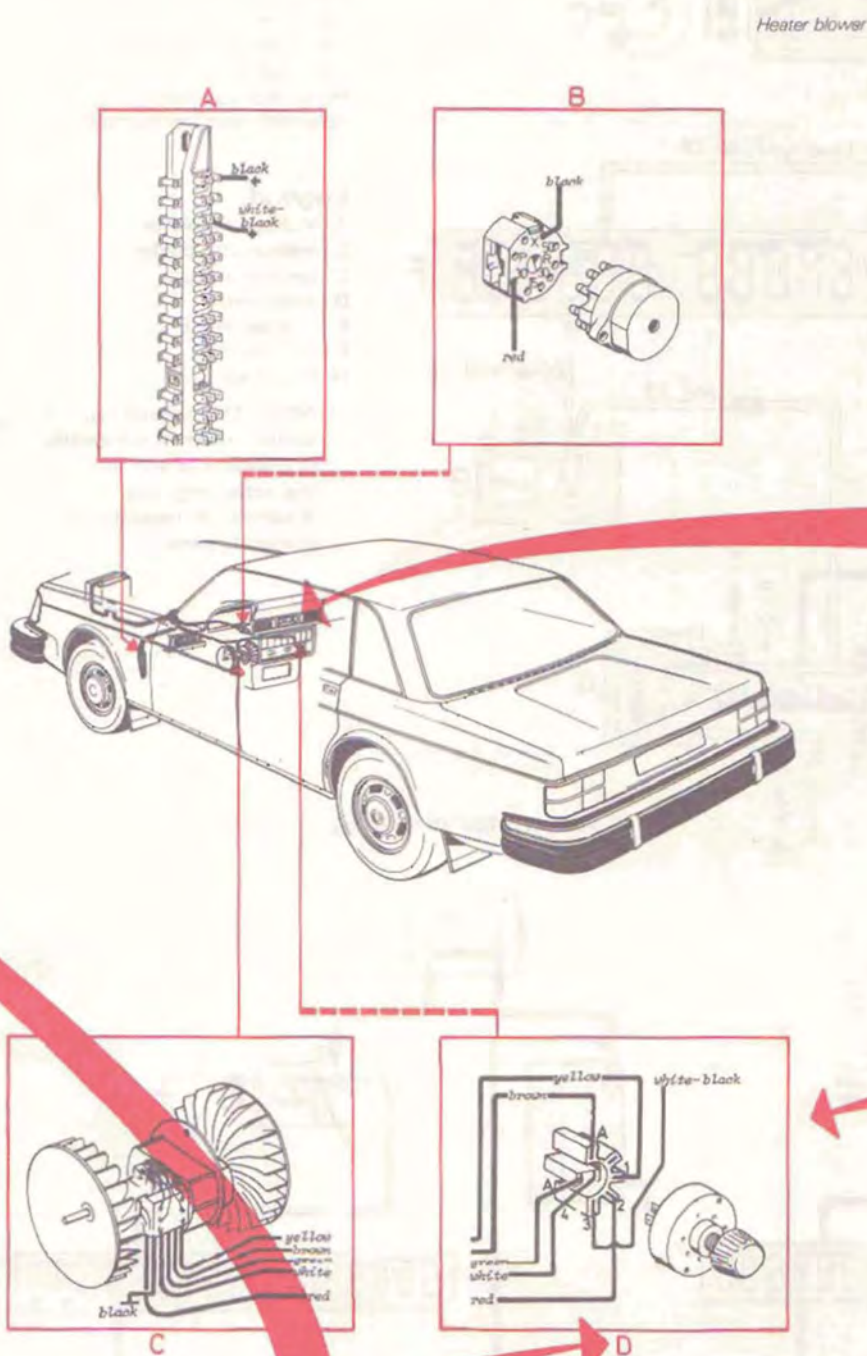
96 Group 39
Wiring diagrams 1980

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.



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

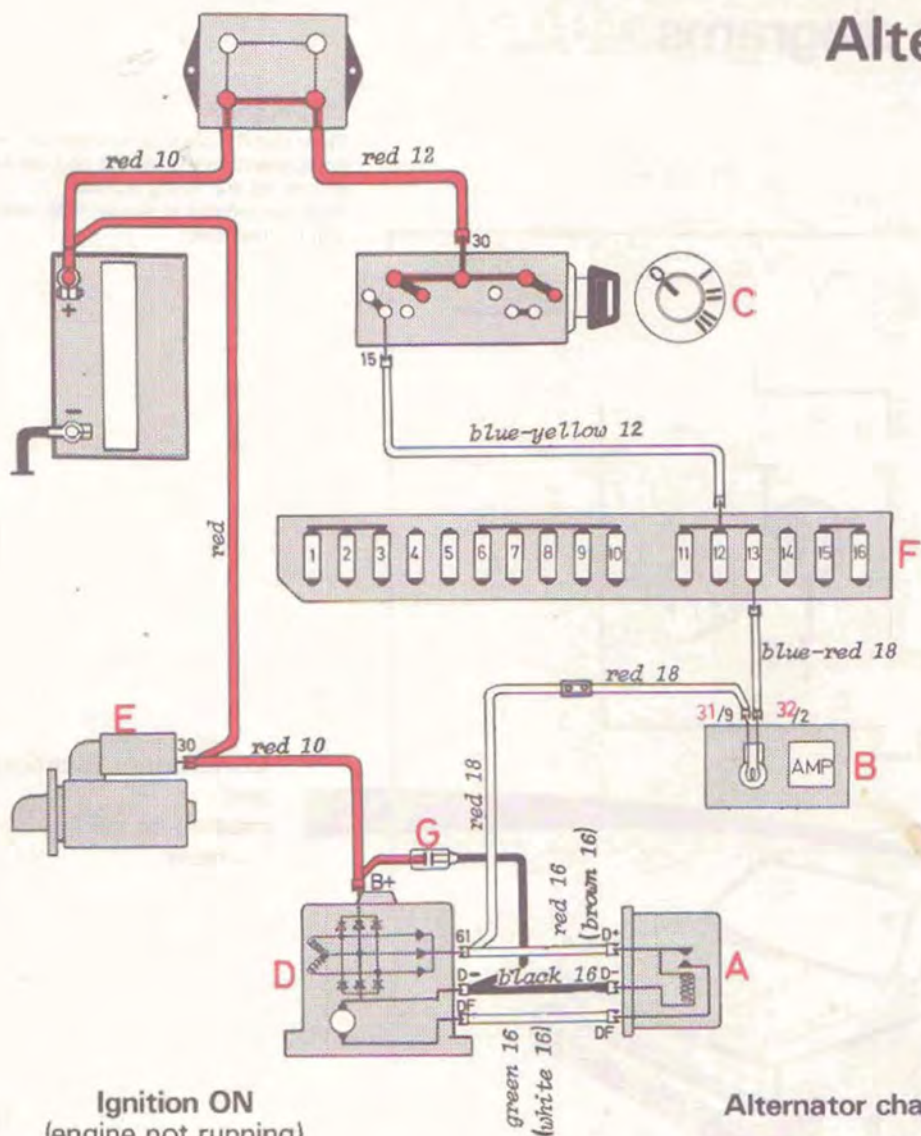
130805

Alternator circuits

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

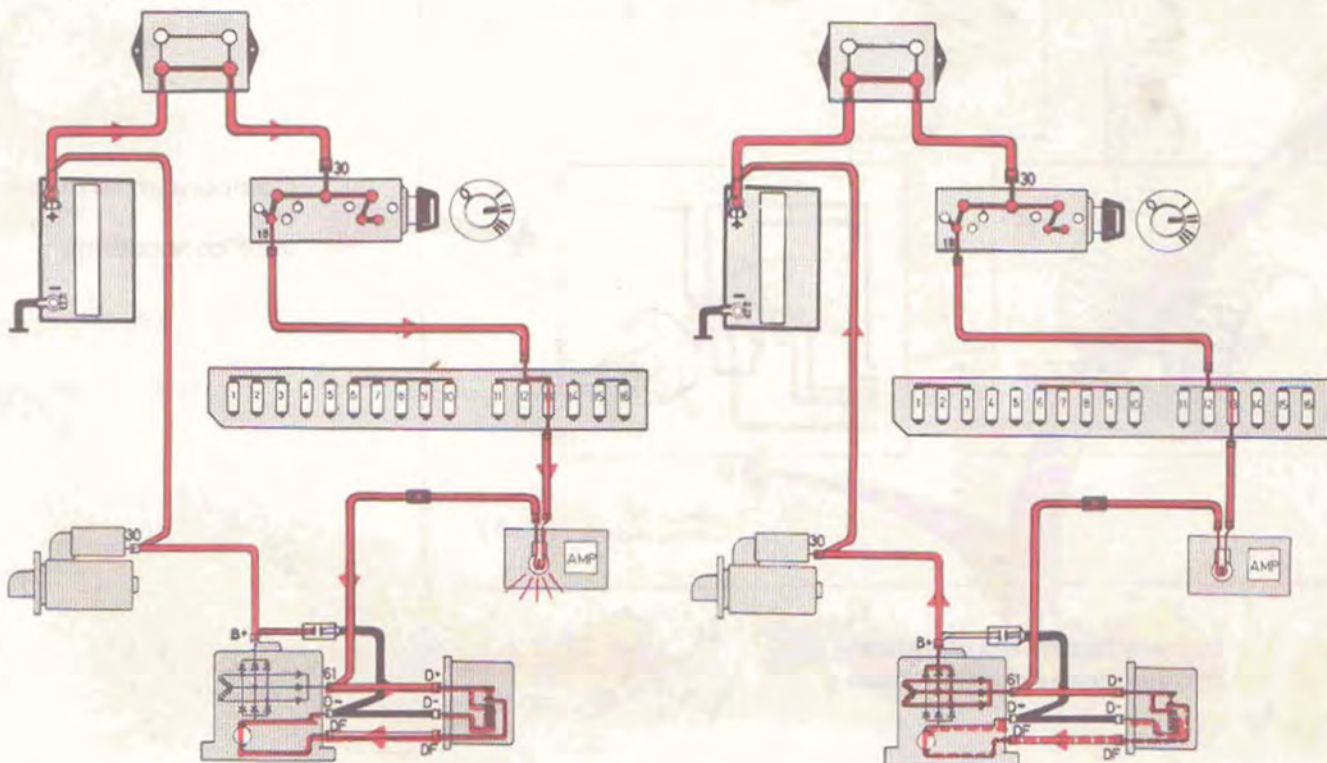
Legend:
A Voltage regulator
B Instrument cluster
C Ignition switch
D Alternator
E Starter motor
F Fuse box
G Capacitor

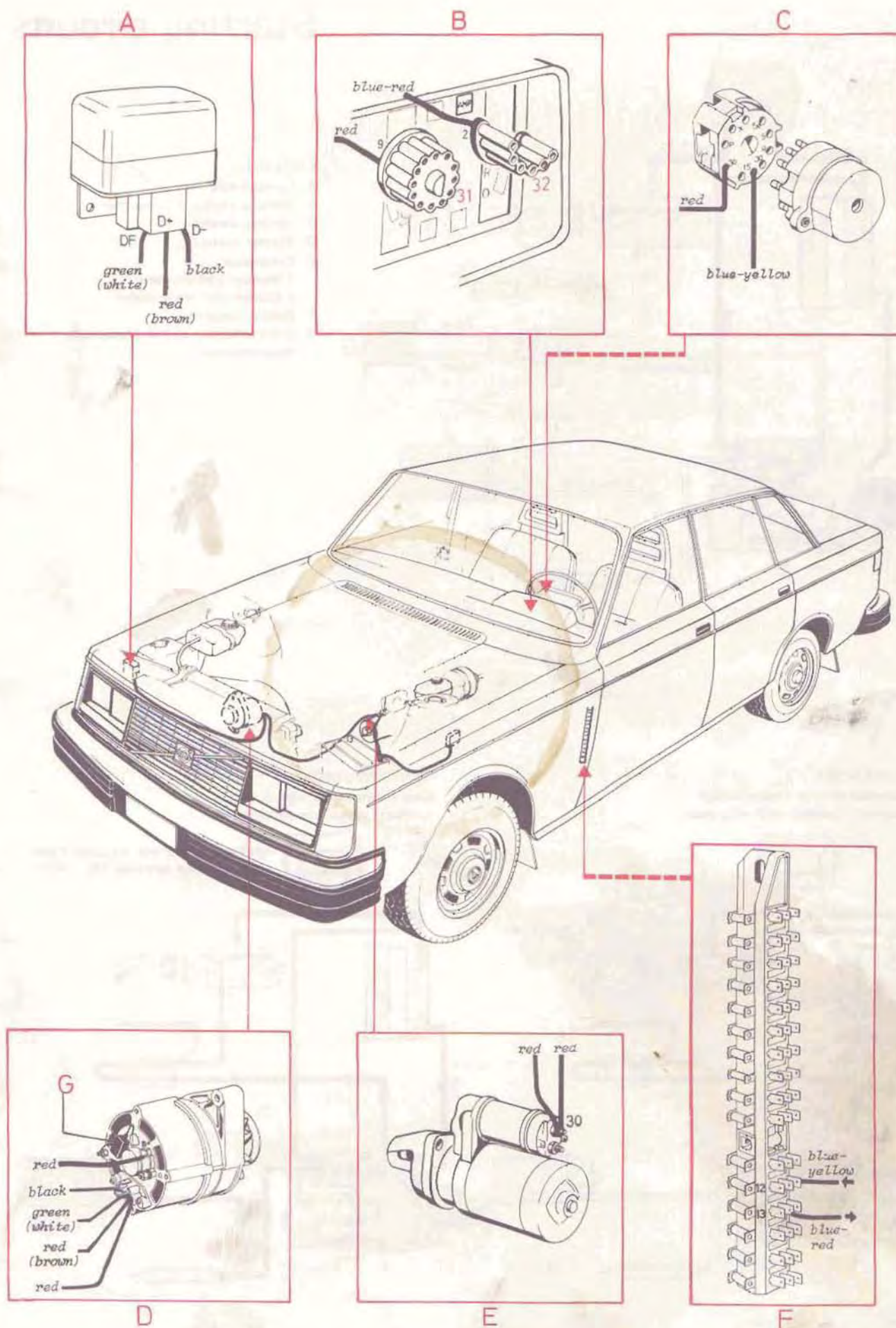
NOTE: The voltage regulator shown in schematic is symbolic of and not the actual regulator. A solid state regulator is presently used.



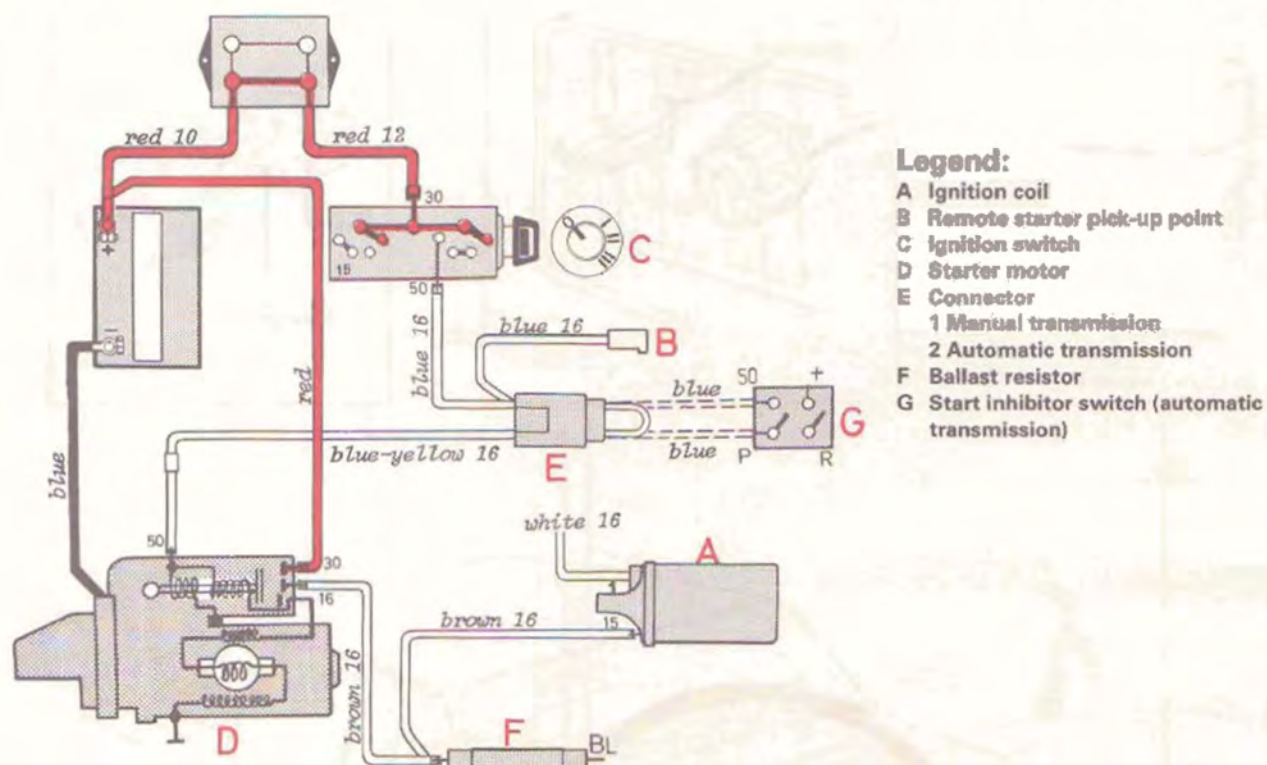
Ignition ON
(engine not running)

Alternator charging



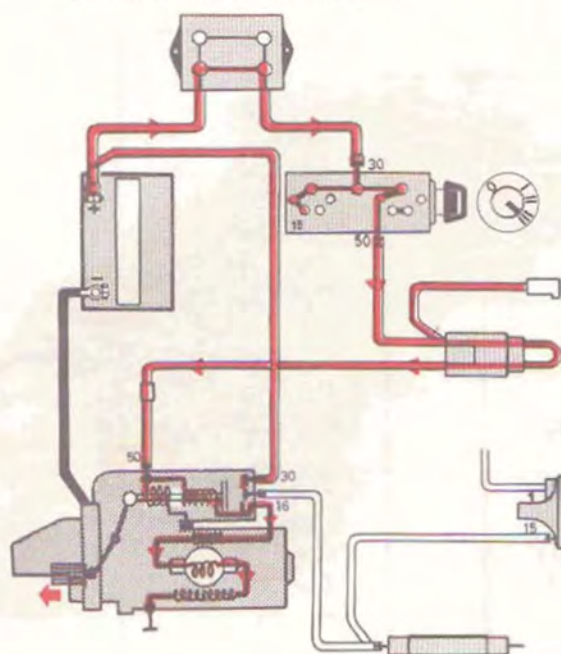


Starting circuits



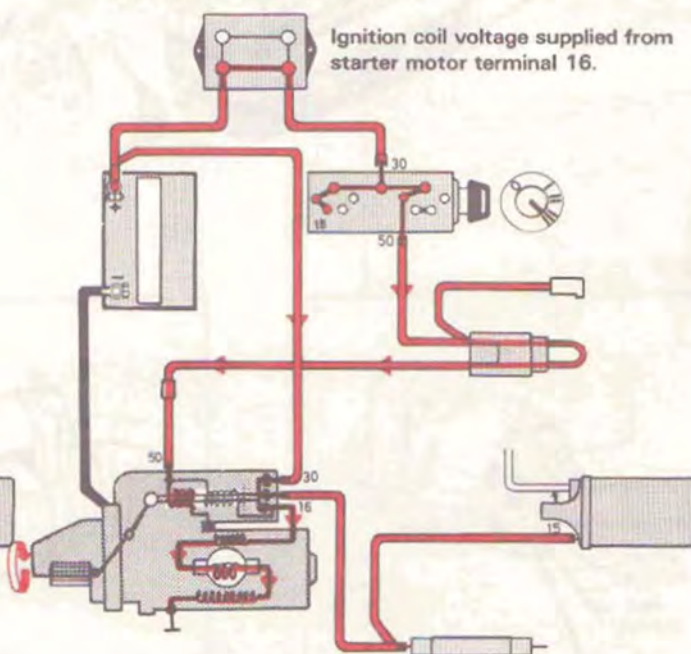
First step:

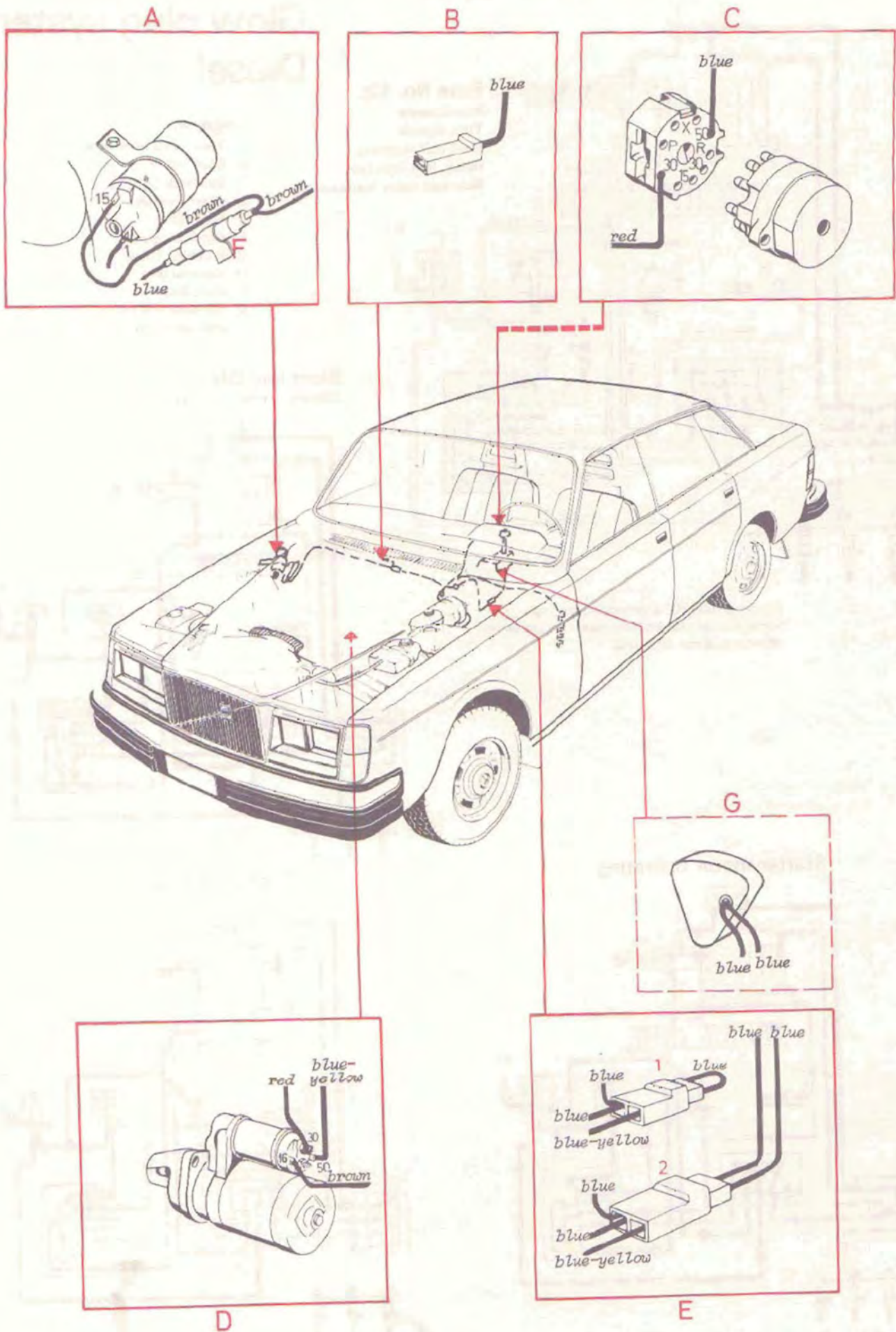
Solenoid pushes starter motor gear into contact with ring gear.



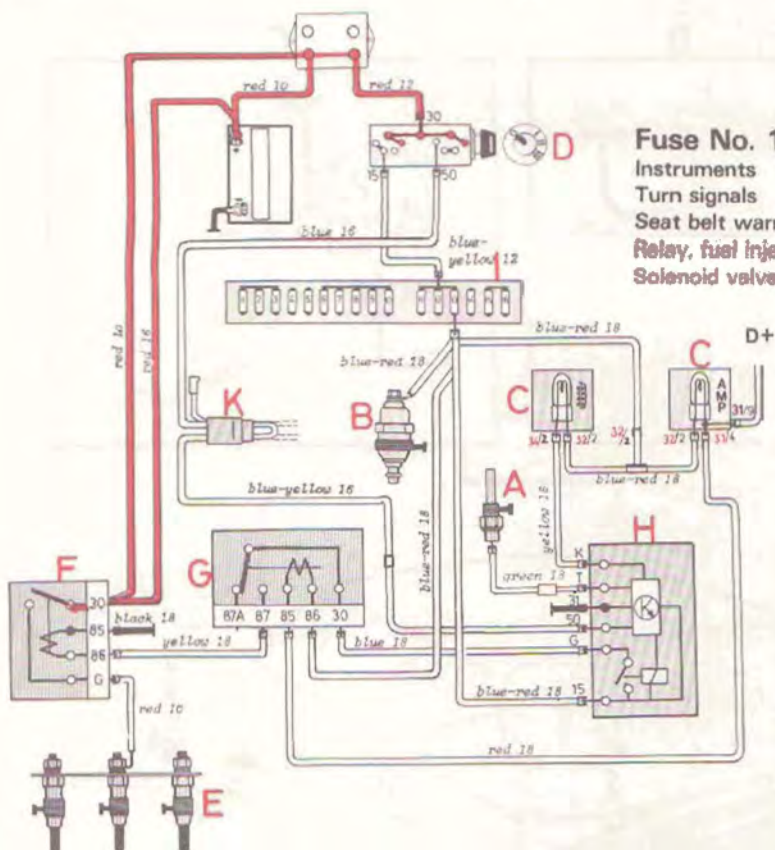
Second step:

Gears connected, starter motor contacts close, starter operates.





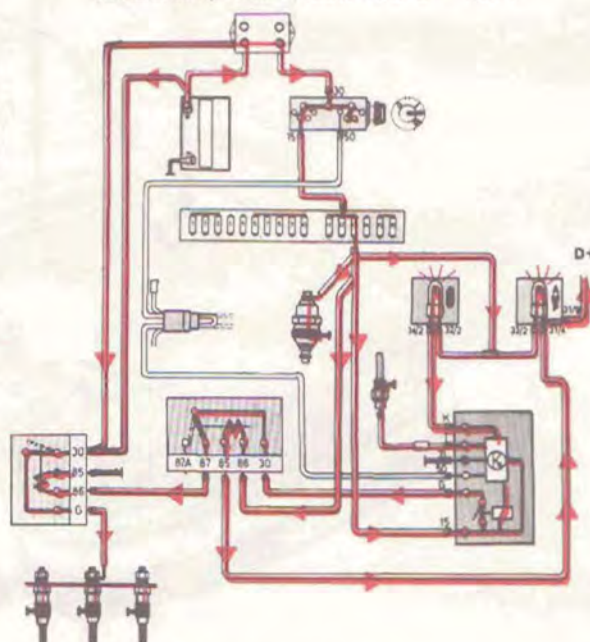
Glow plug system Diesel



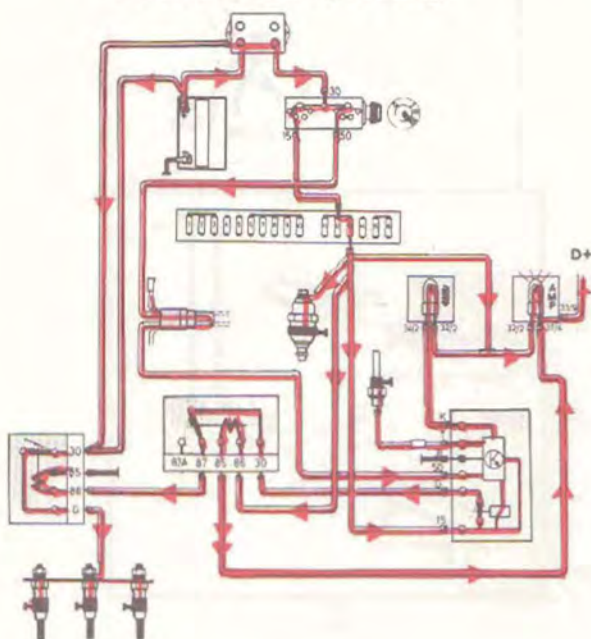
Blocking relay (G) is grounded through voltage regulator and alternator circuit when alternator is not charging.

Start key ON

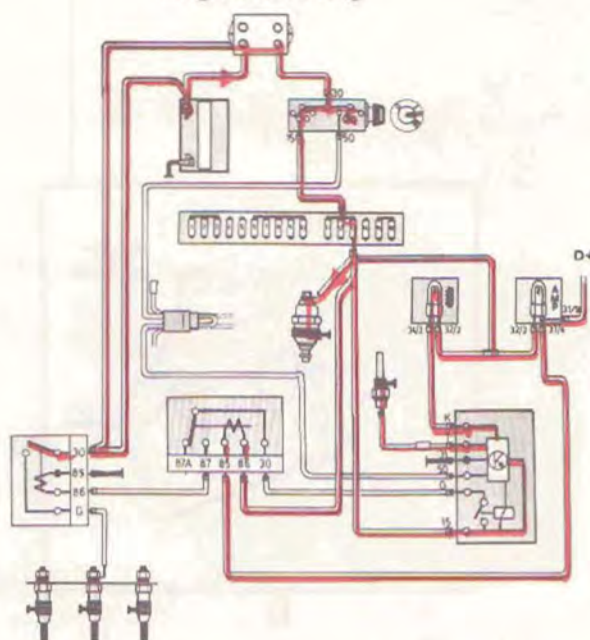
Coolant temperature below +50° C = 122° F

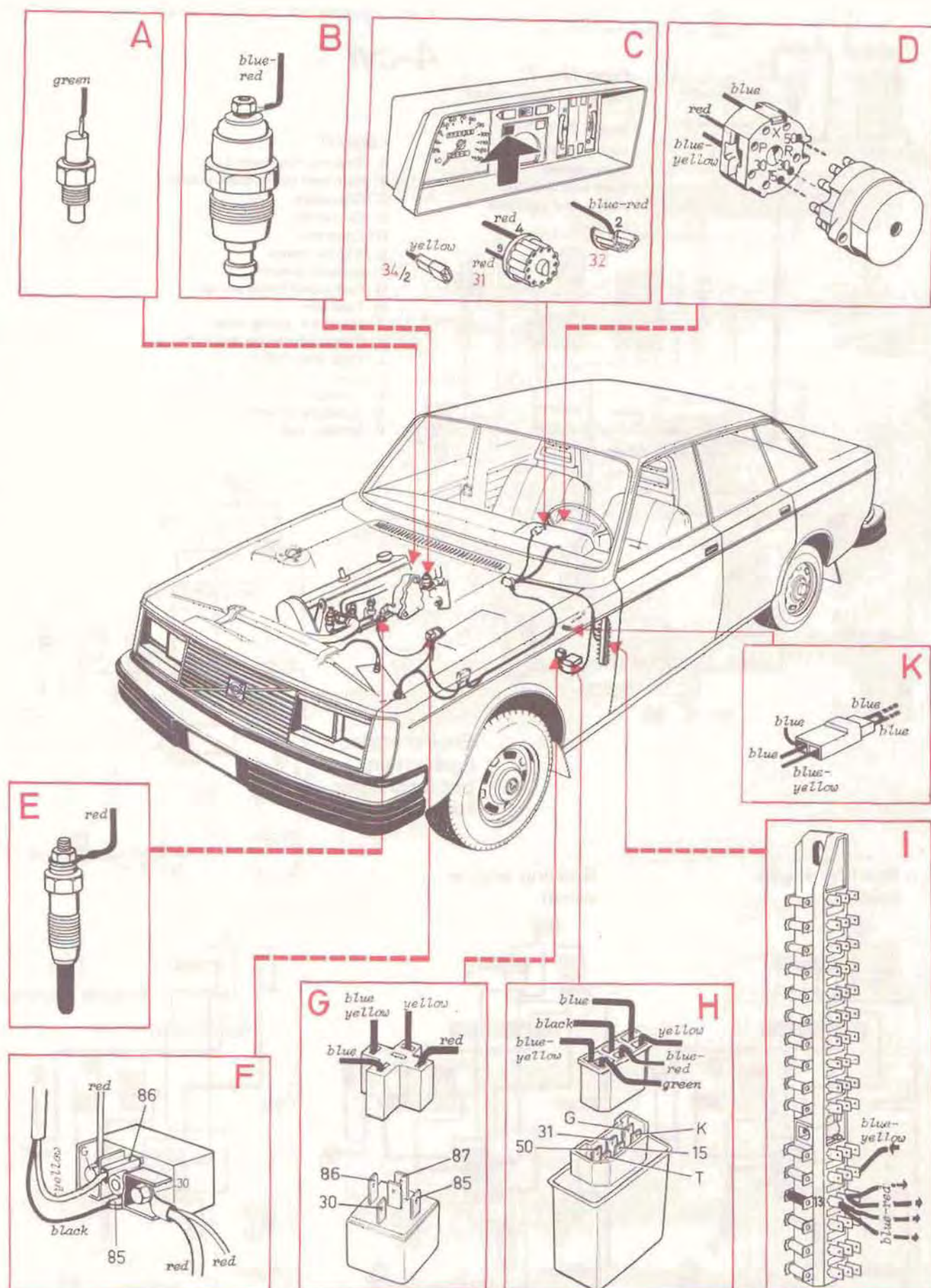


Starter motor operating

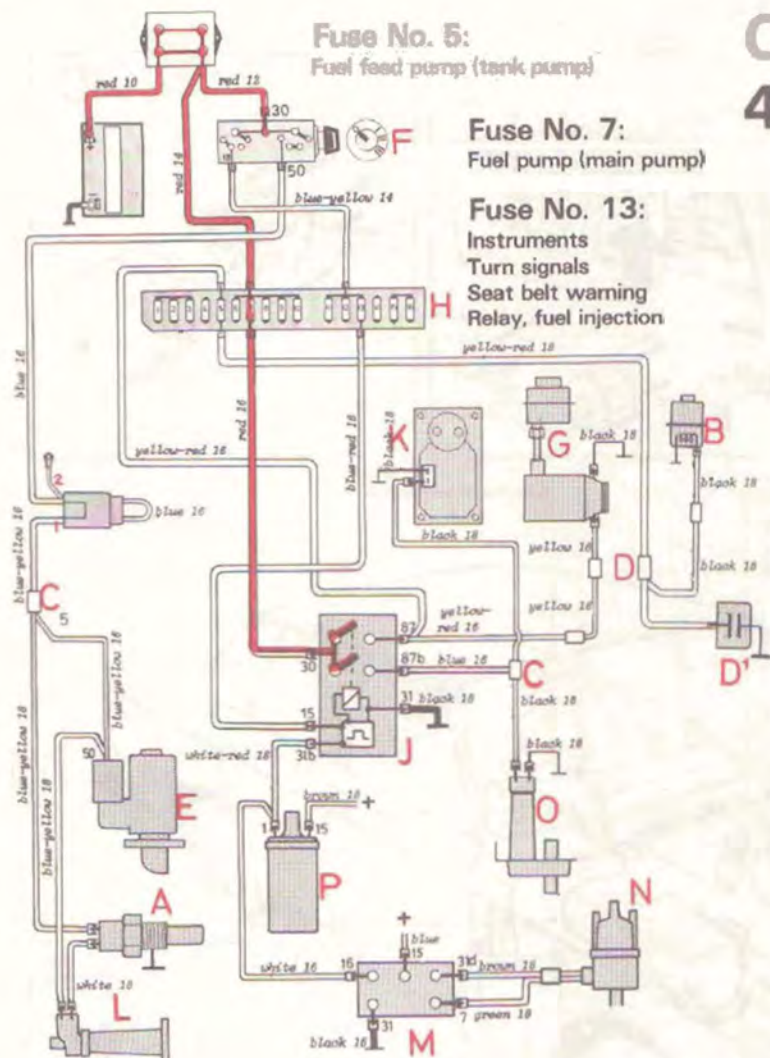


Engine running

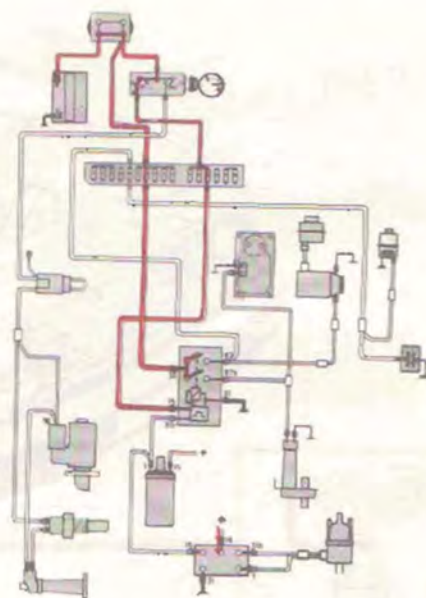




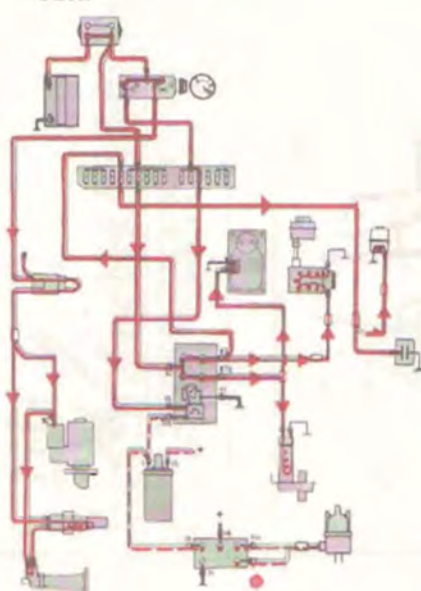
CI fuel injection system 4-cyl



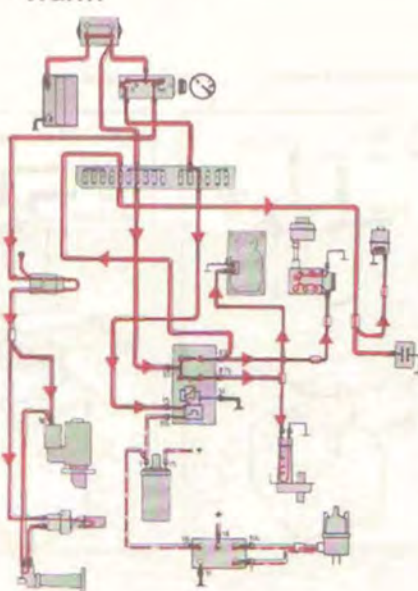
Engine stalled
(ignition on,
but engine not
running)



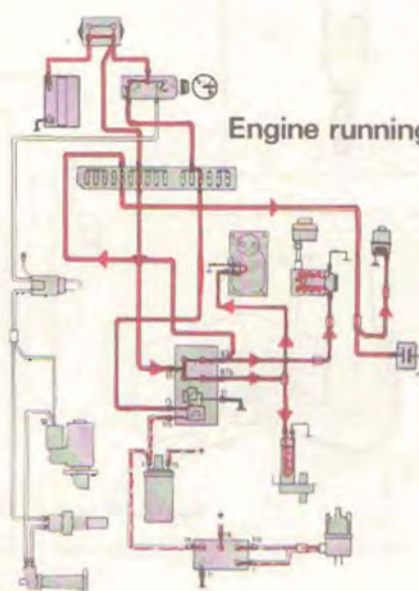
Starting engine
cold

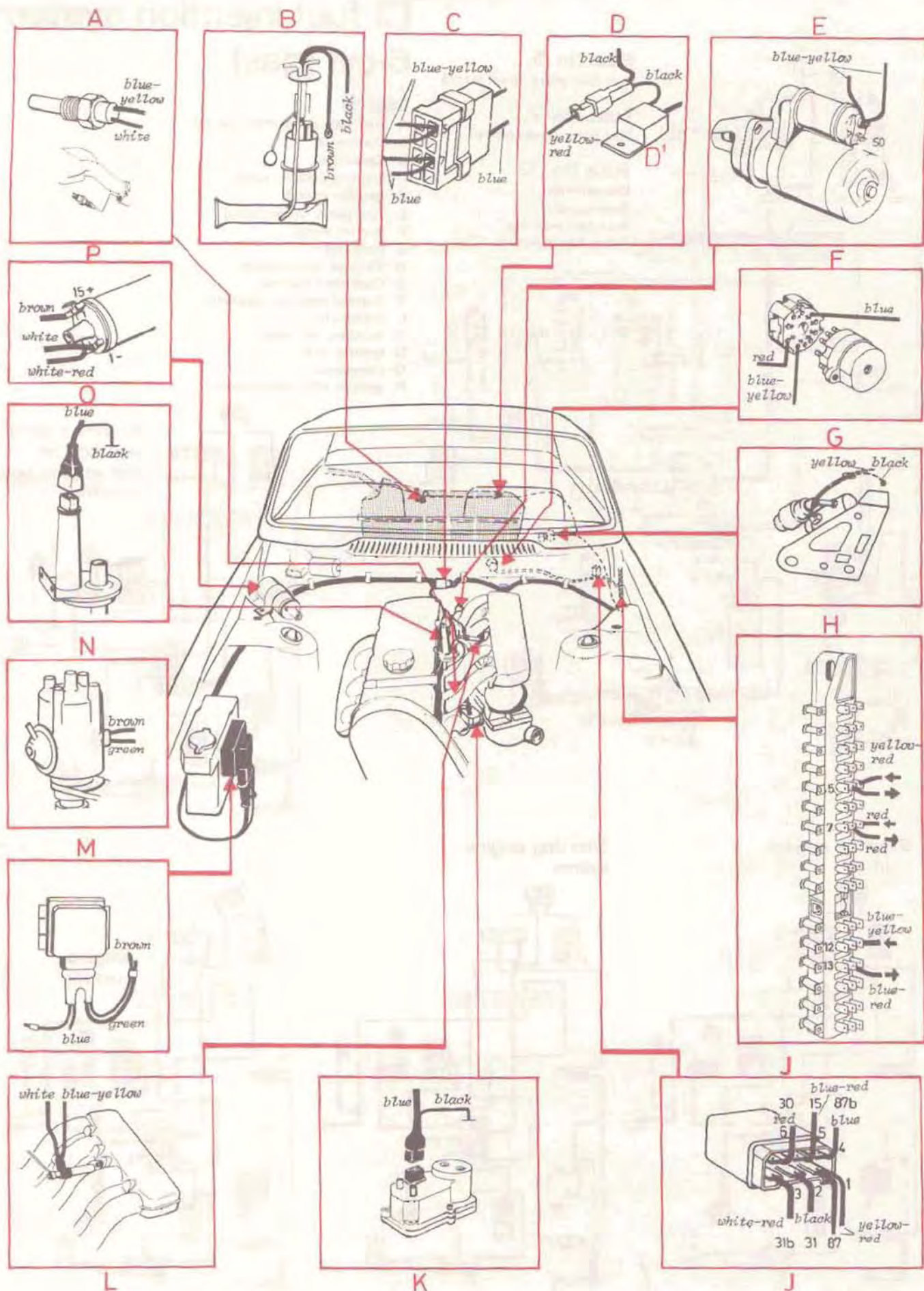


Starting engine
warm

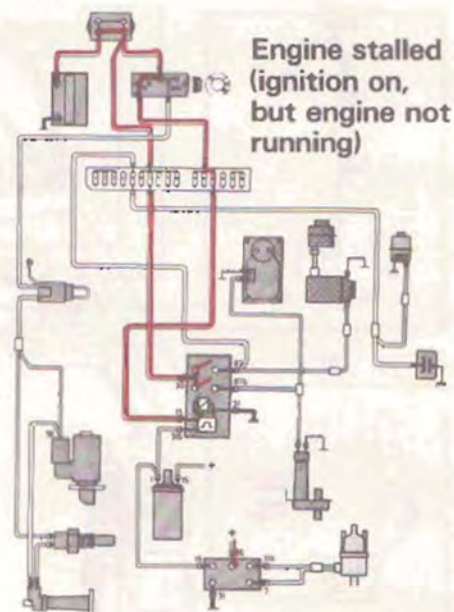
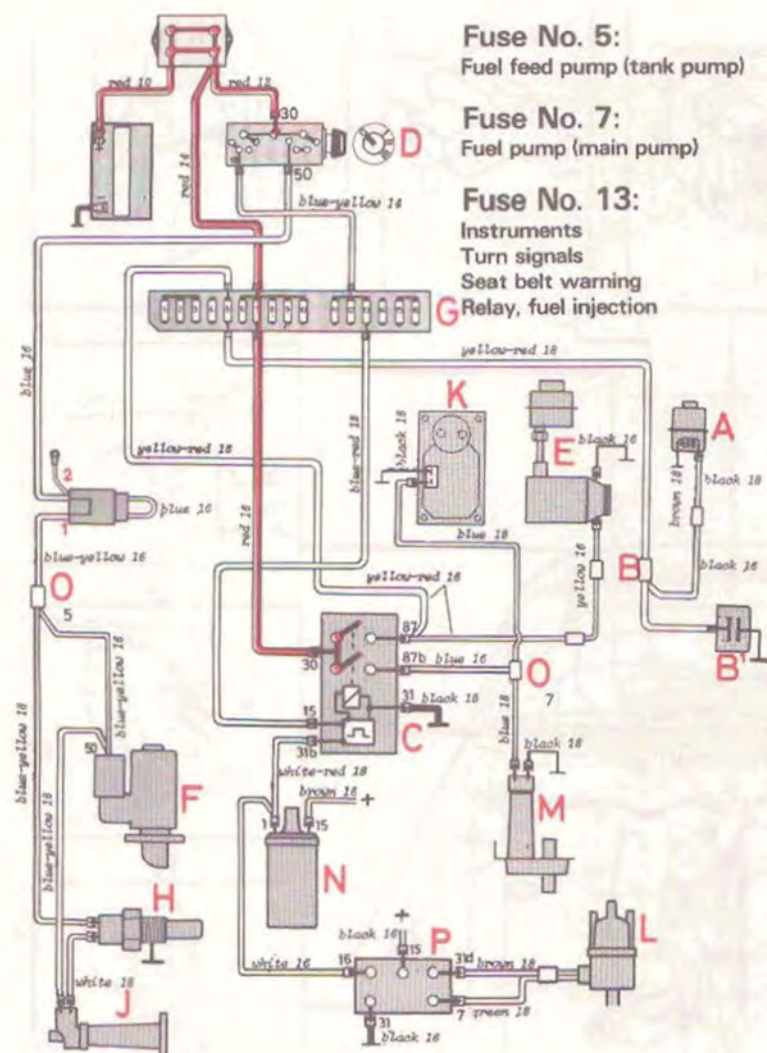


Engine running

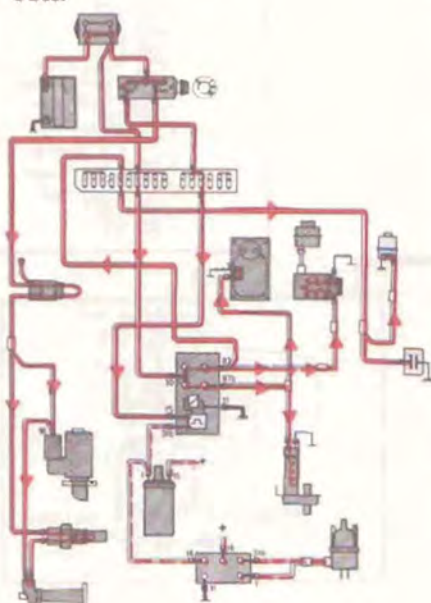




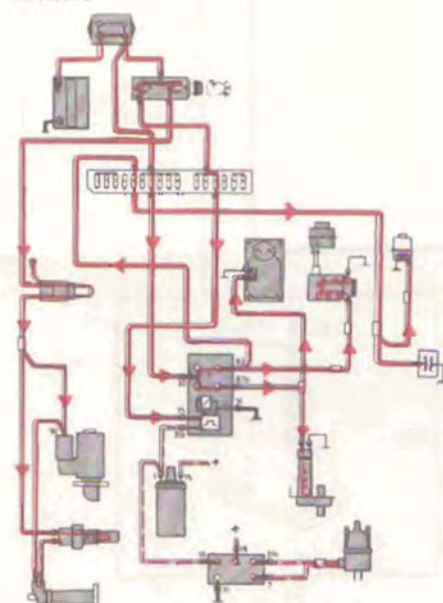
CI fuel injection system 6-cyl (gas)



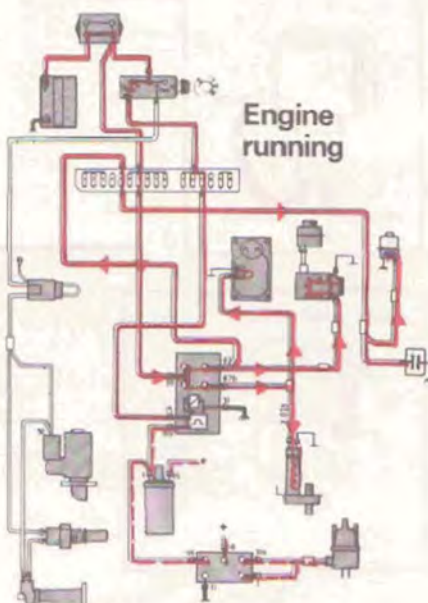
**Starting engine
cold**

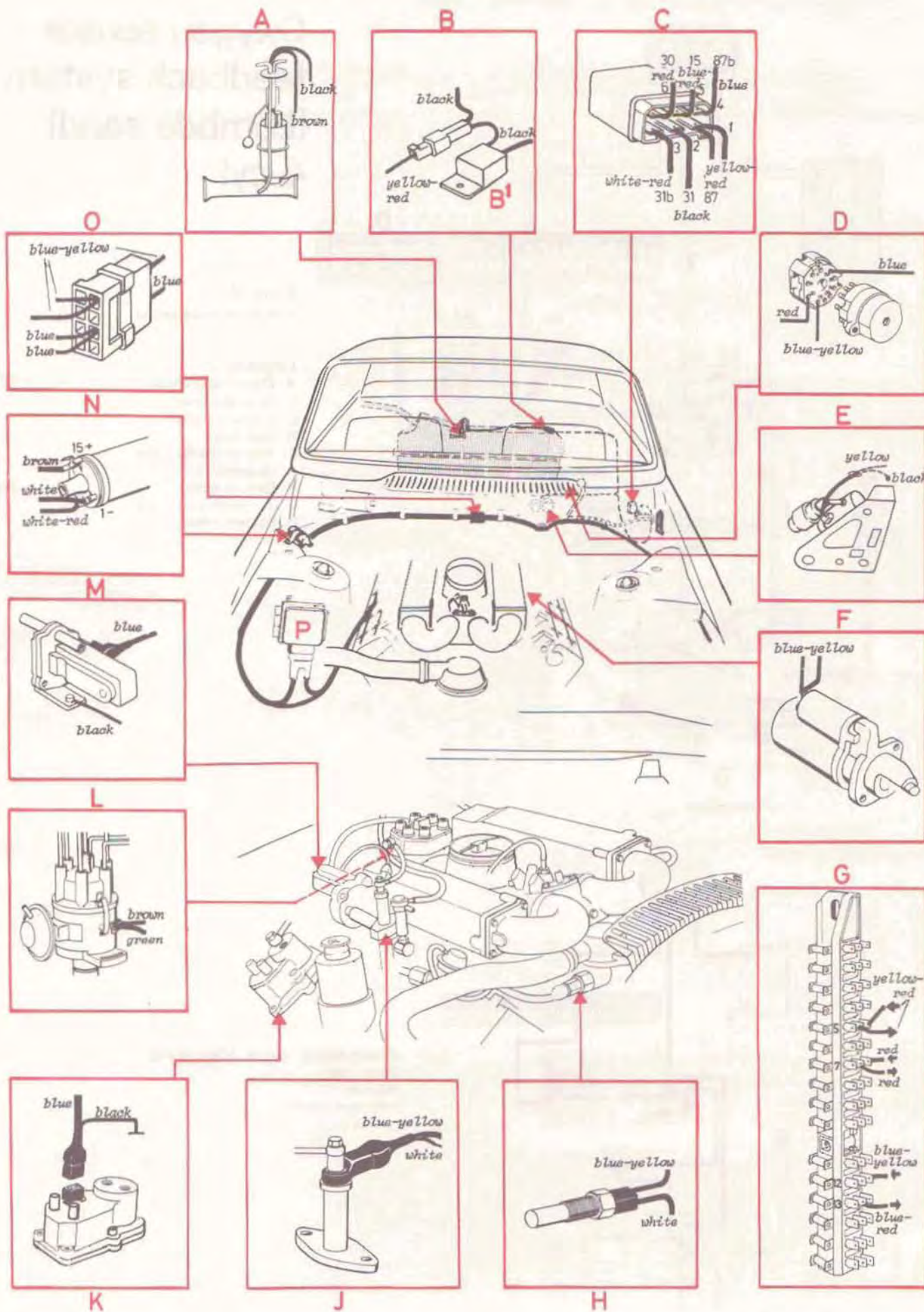


**Starting engine
warm**

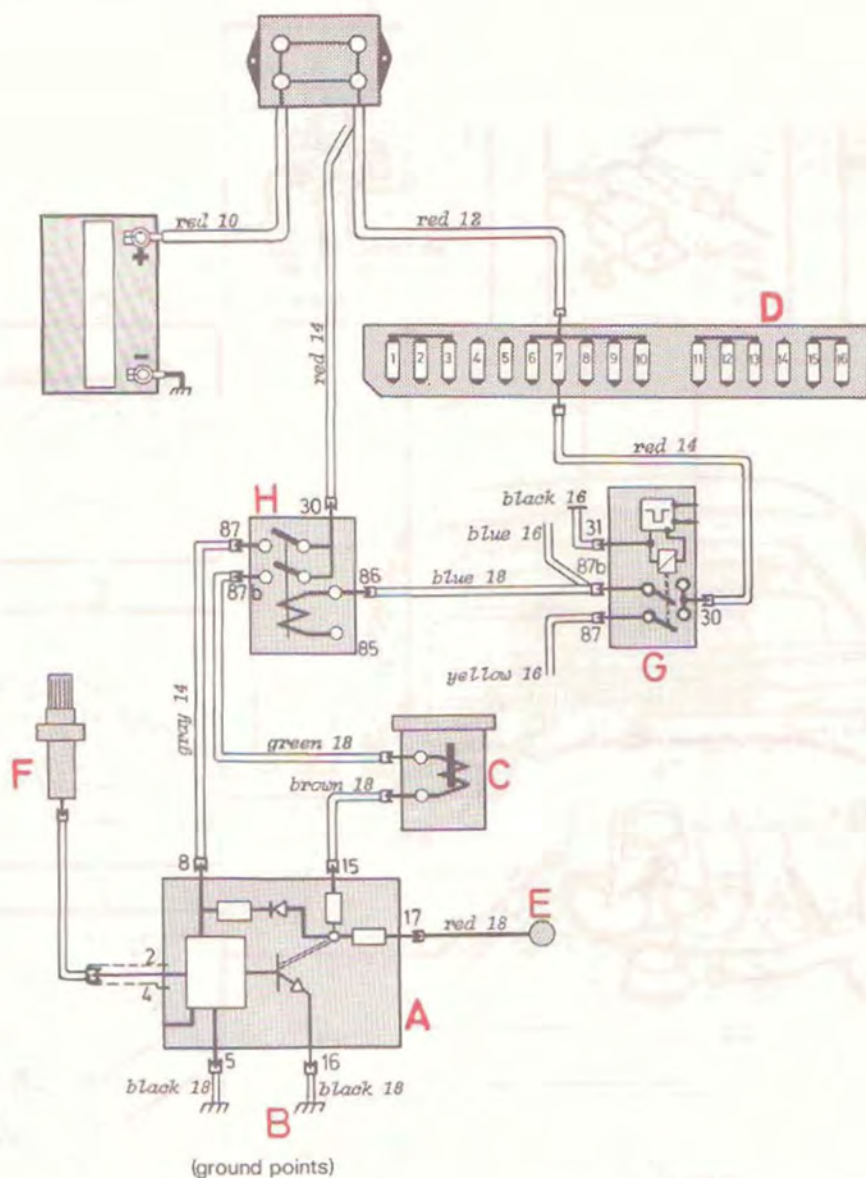


**Engine
running**





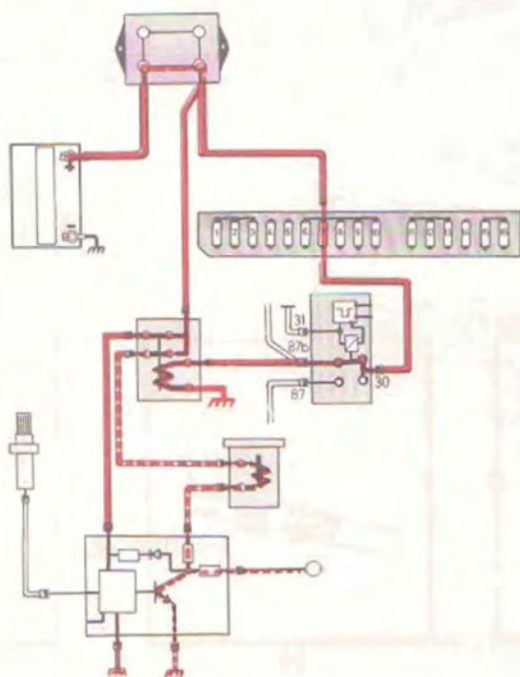
Oxygen sensor feedback system (Lambda-sond) 4-cyl

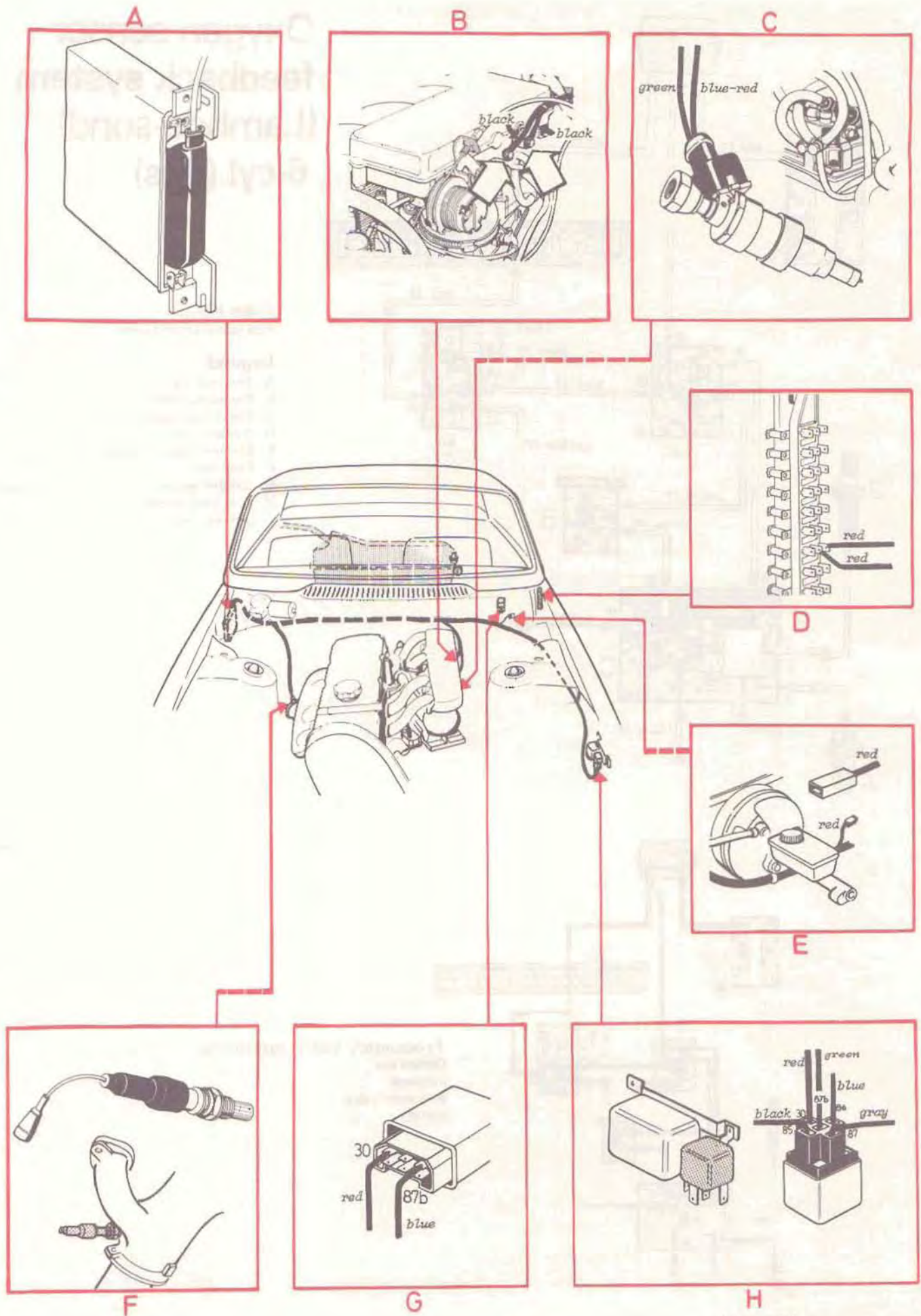


Fuse No. 7:
Fuel pump (main pump)

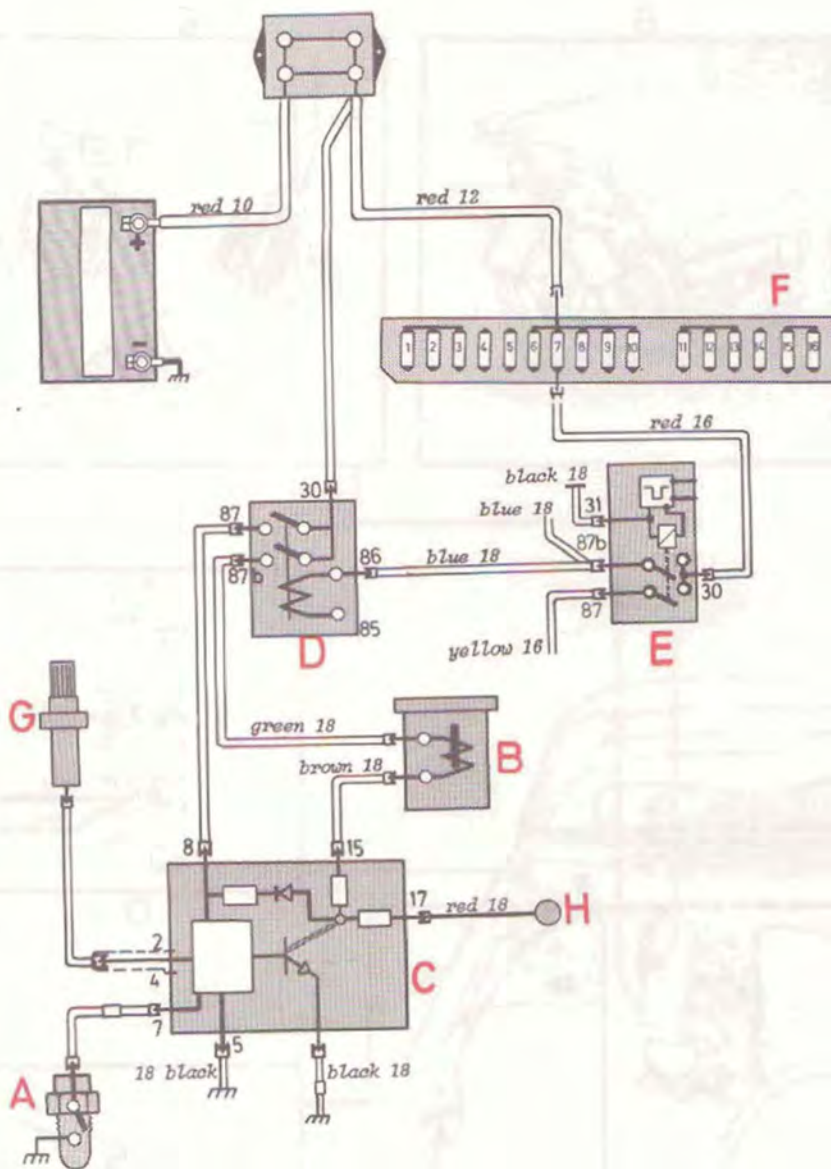
Frequency valve operating

Dotted line
indicates
frequency valve
current





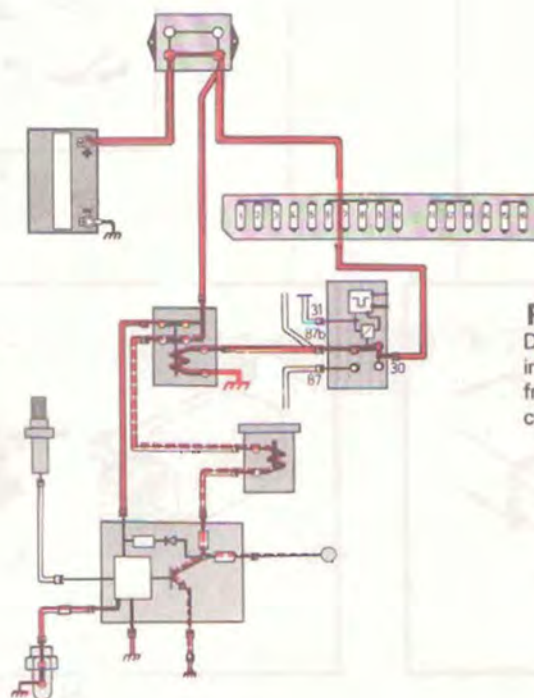
Oxygen sensor feedback system (Lambda-sond) 6-cyl (gas)



Fuse No. 7:
Fuel pump (main pump)

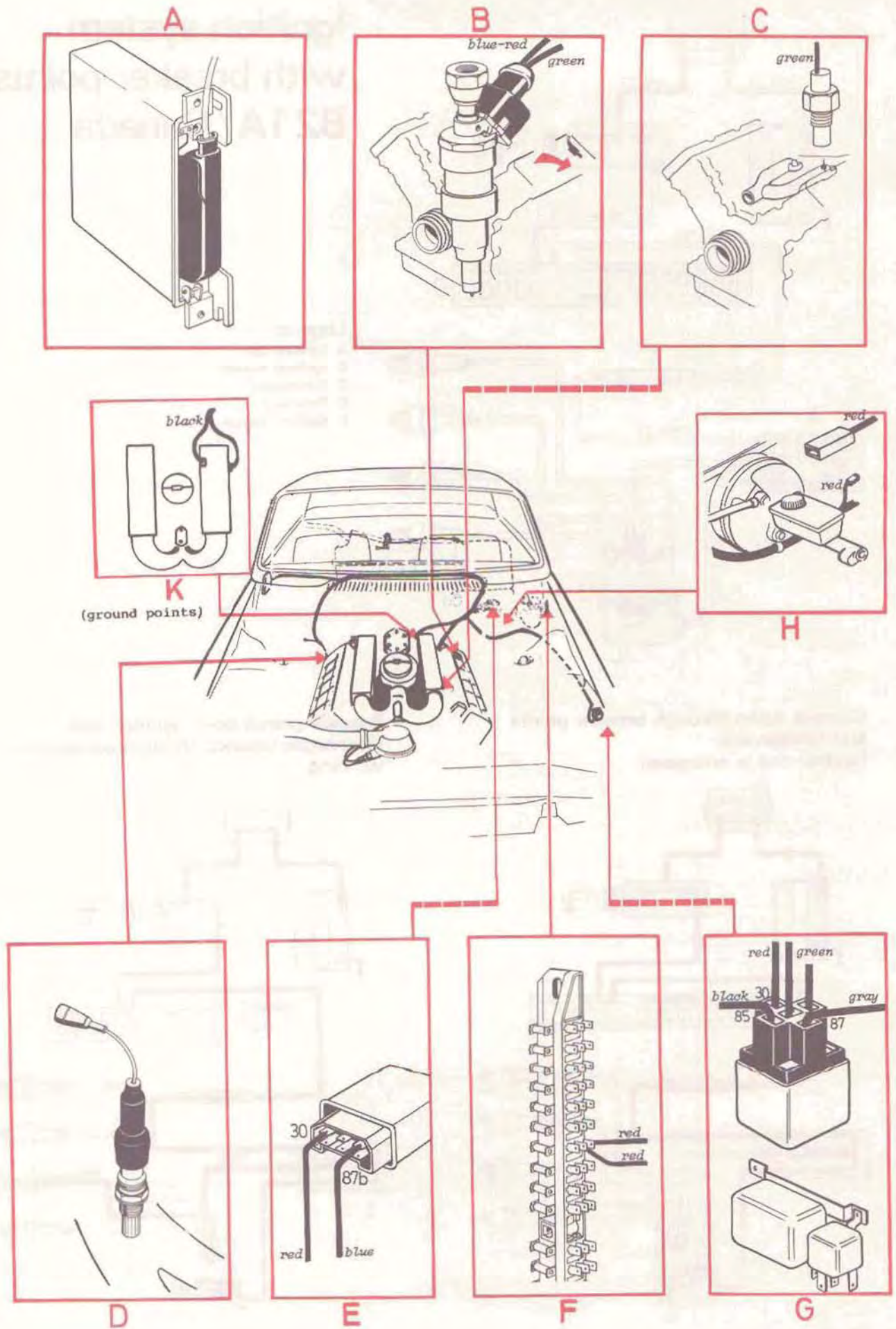
Legend:

- 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

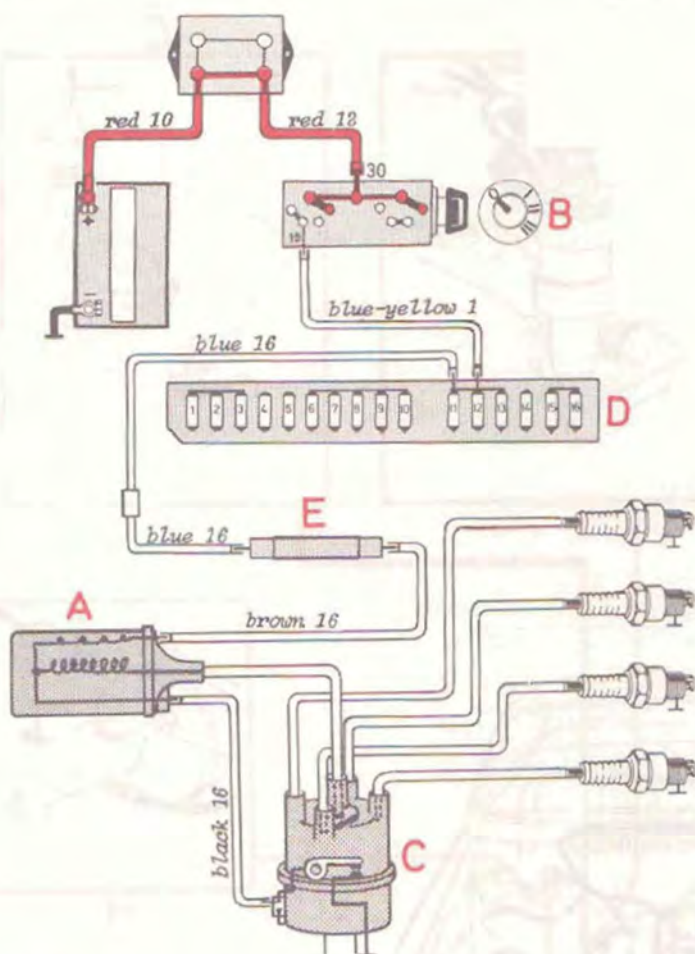


Frequency valve operating

Dotted line
indicates
frequency valve
current



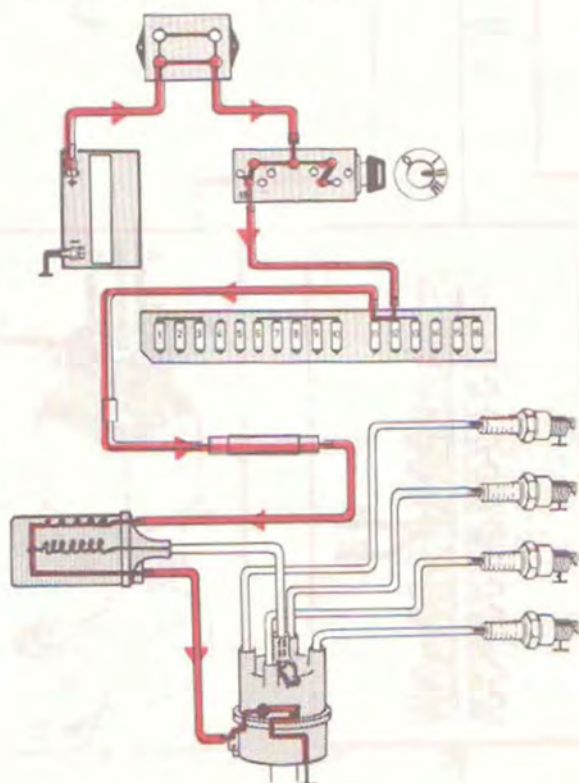
Ignition system with breaker points, B21A/Canada



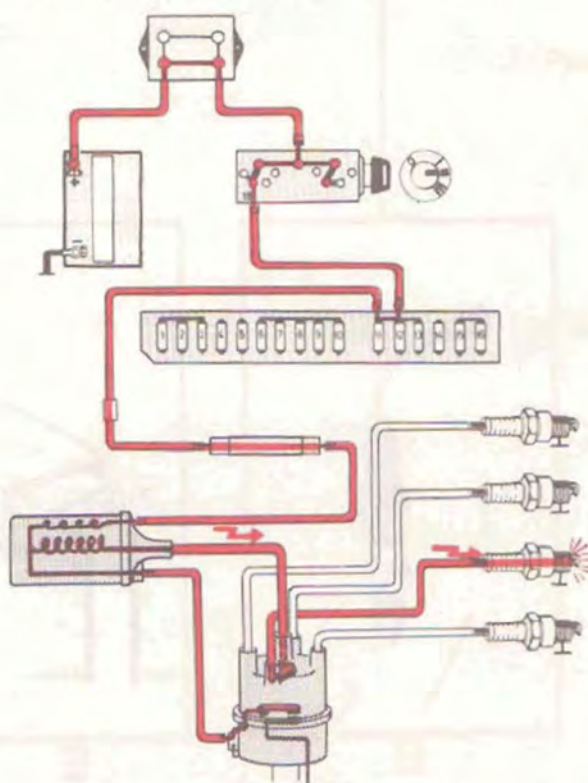
Legend:

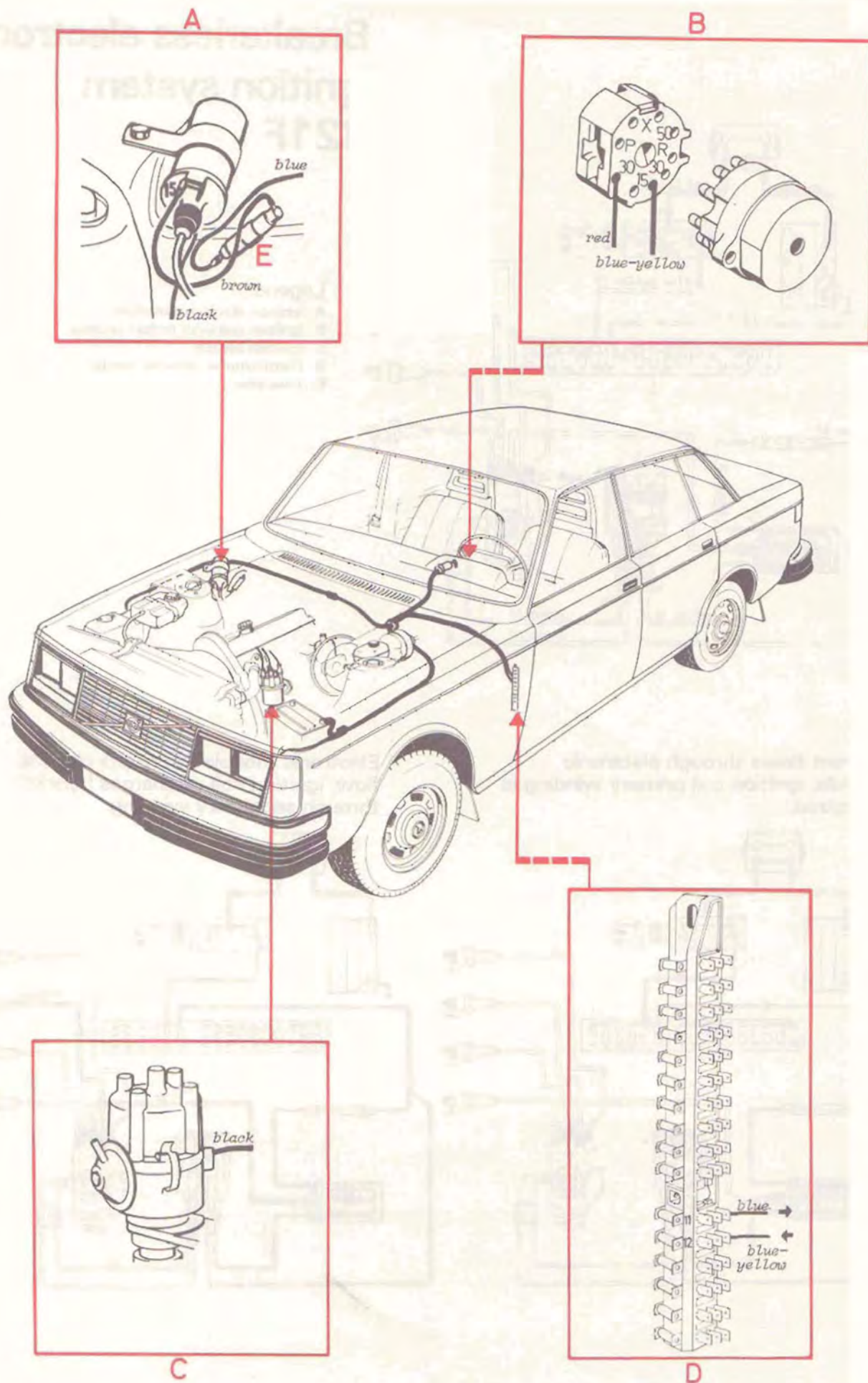
- A Ignition coil
- B Ignition switch
- C Distributor
- D Fuse box
- E Ballast resistor

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

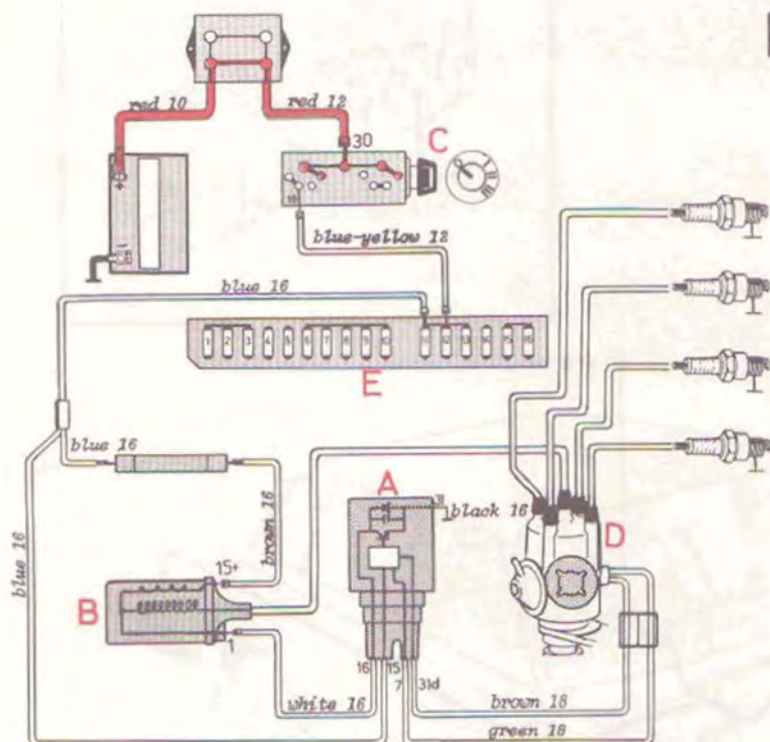


Breaker points open, ignition coil discharges (sparks) through secondary winding.





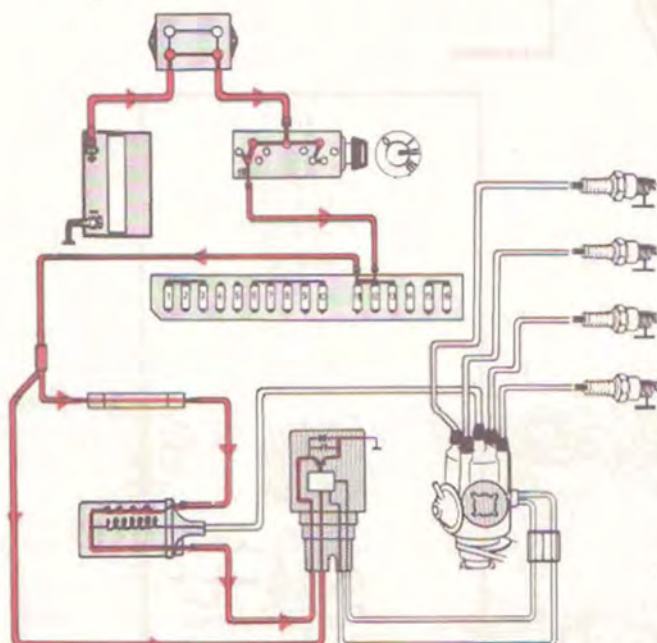
Breakerless electronic ignition system B2 1F



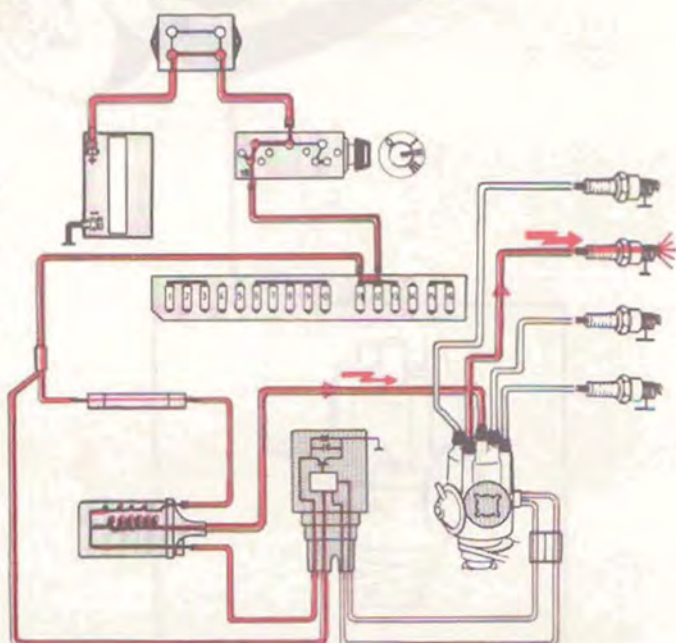
Legend:

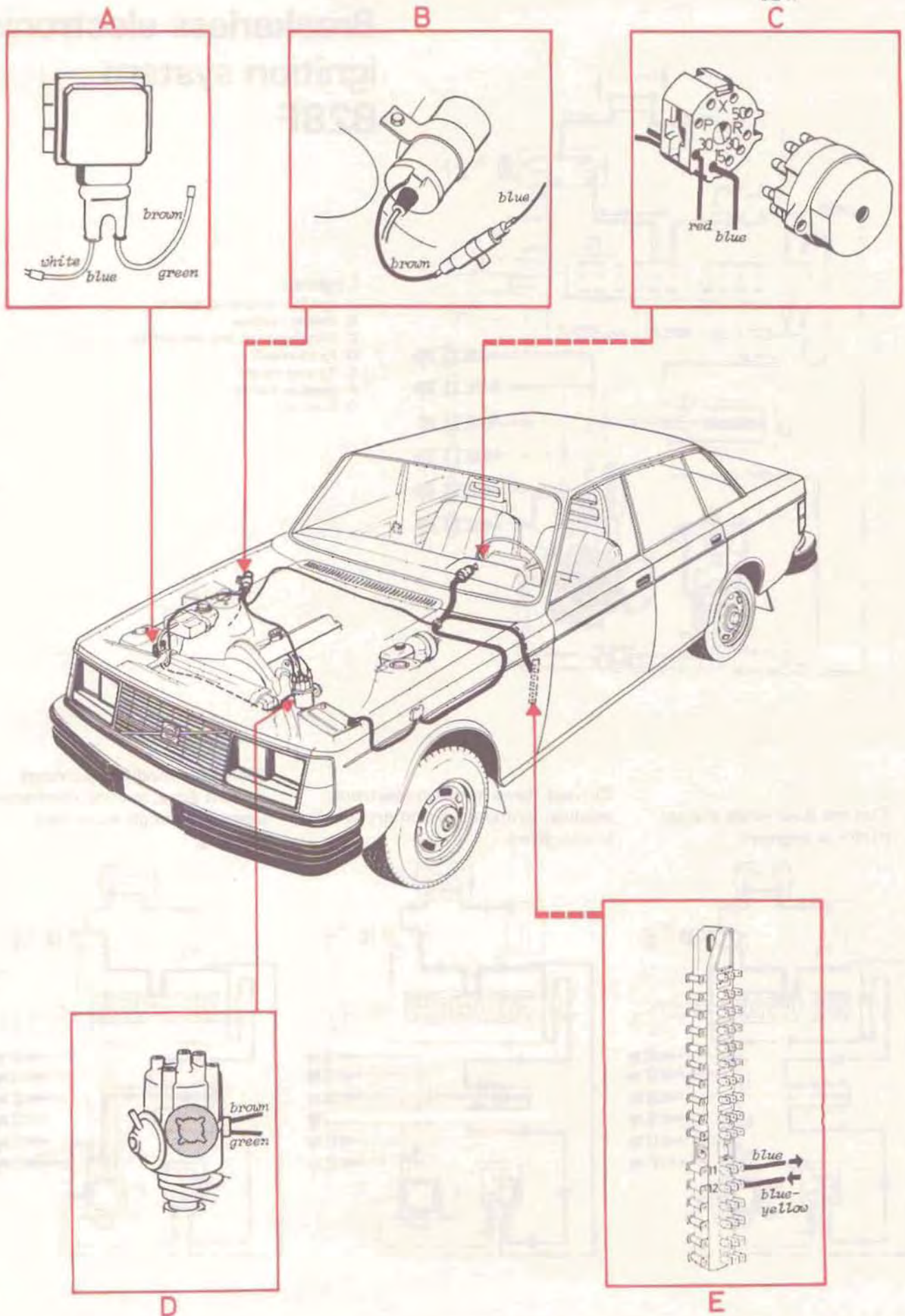
- A Ignition electronic module
- B Ignition coil with ballast resistor
- C Ignition switch
- D Distributor w. impulse sender
- E Fuse box

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

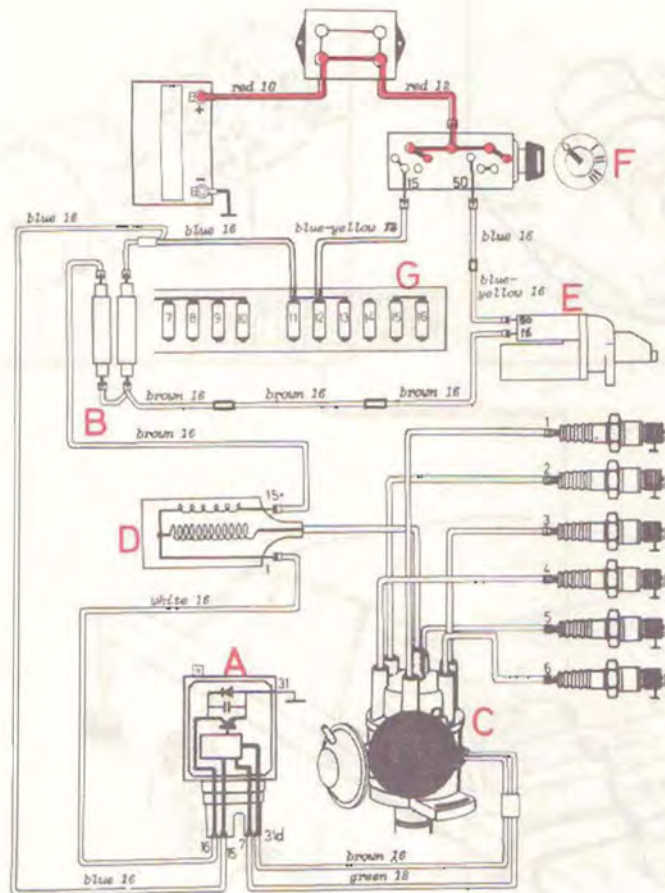


Electronic module interrupts current flow, ignition coil discharges (sparks) through secondary winding.





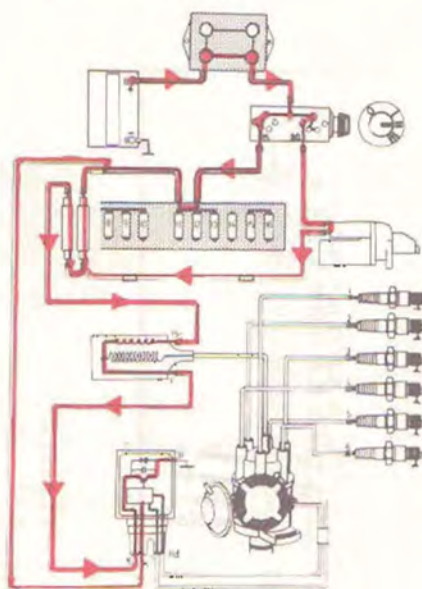
Breakerless electronic ignition system B28F



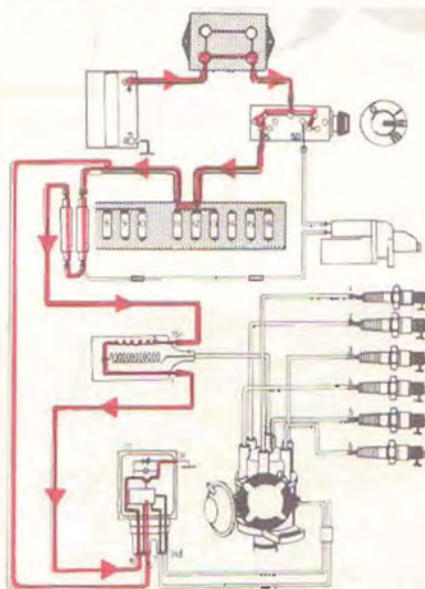
Legend:

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

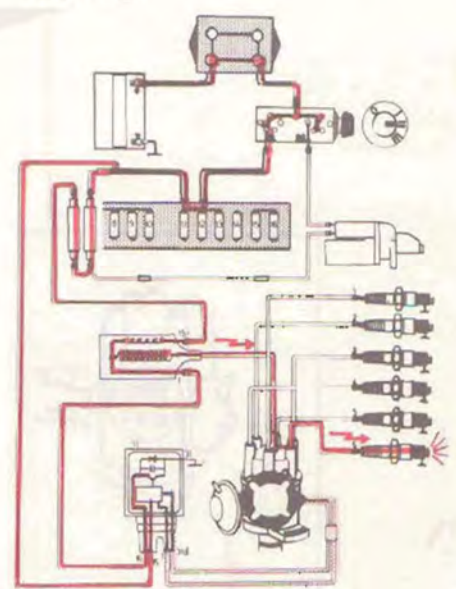
Current flow while starter
motor is engaged.

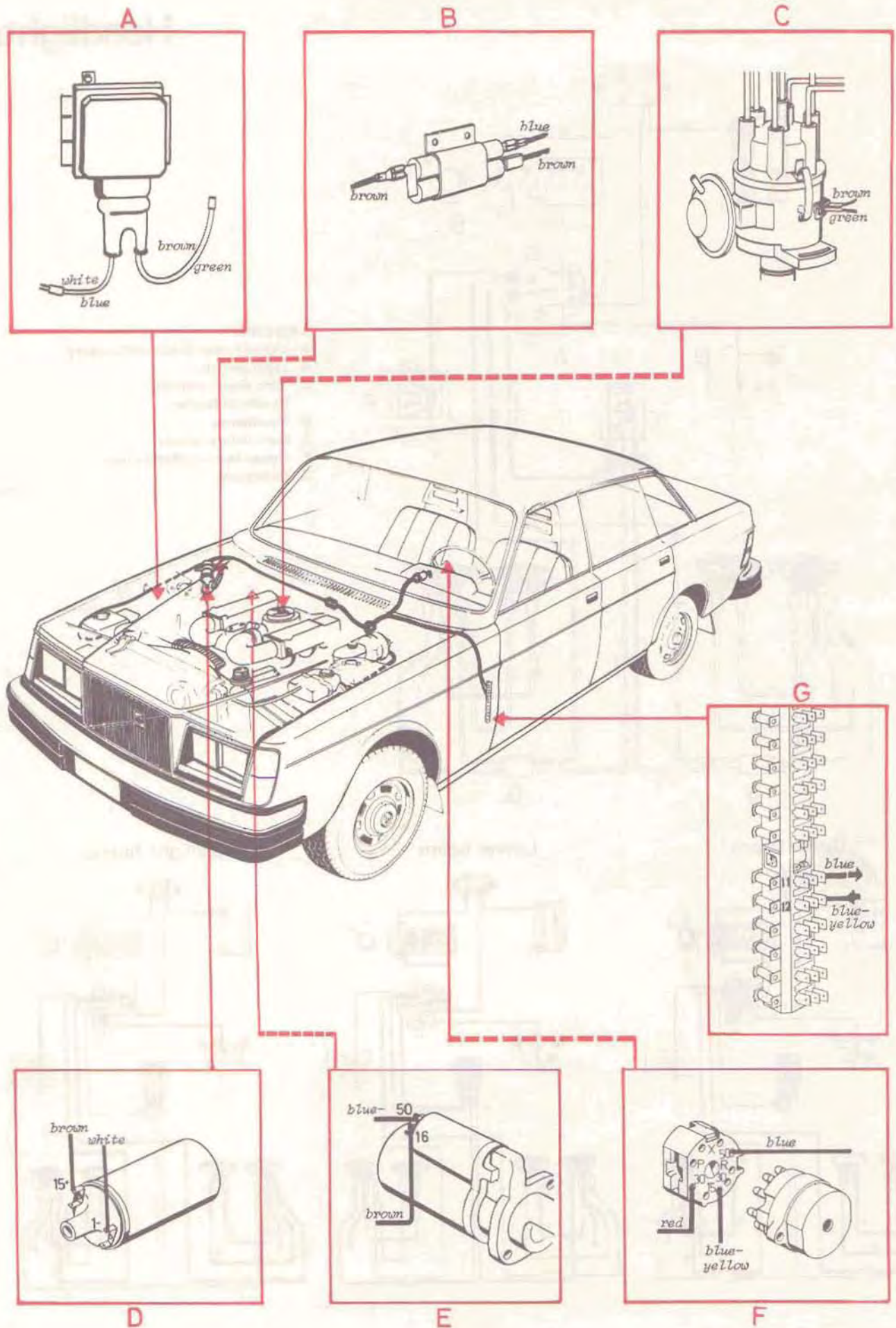


Current flows through electronic
module, ignition coil primary winding
is energized.

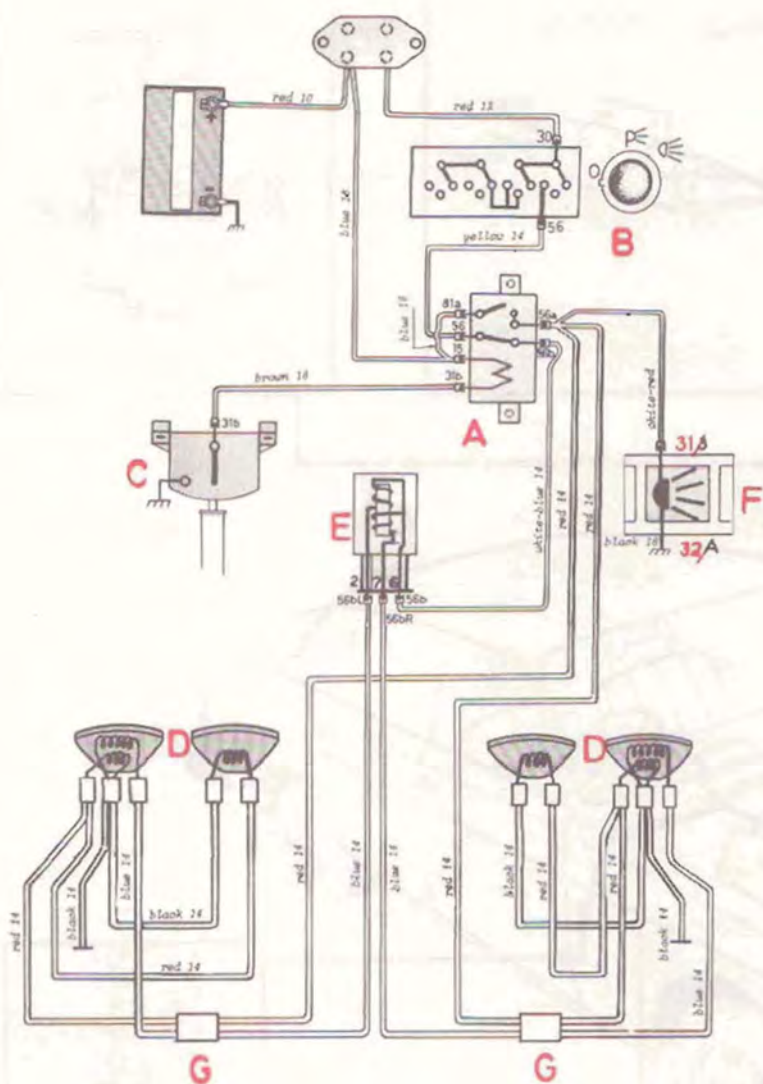


Electronic module interrupts
current flow, ignition discharges
(sparks) through secondary
winding.





Headlights



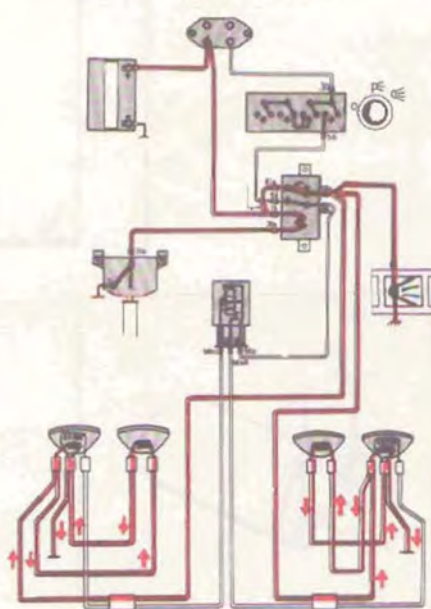
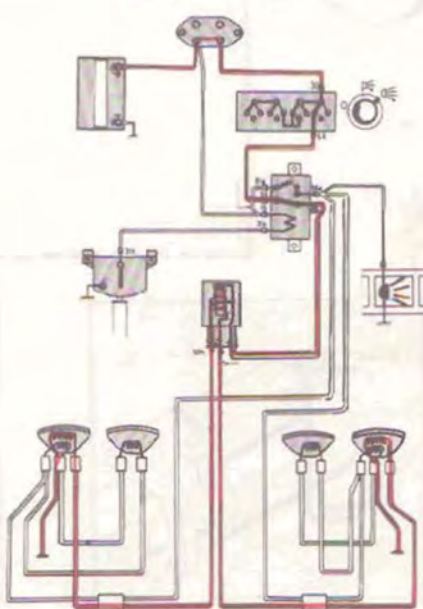
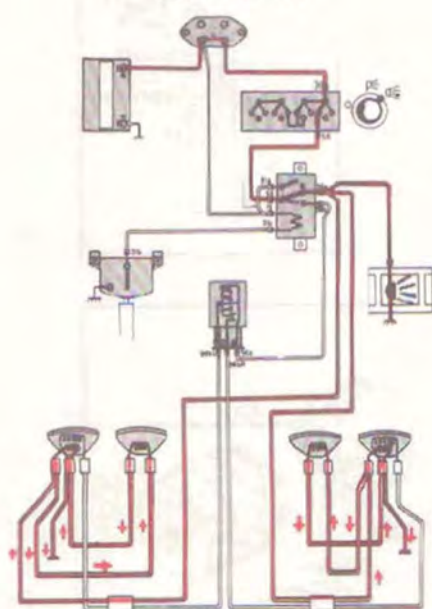
Legend:

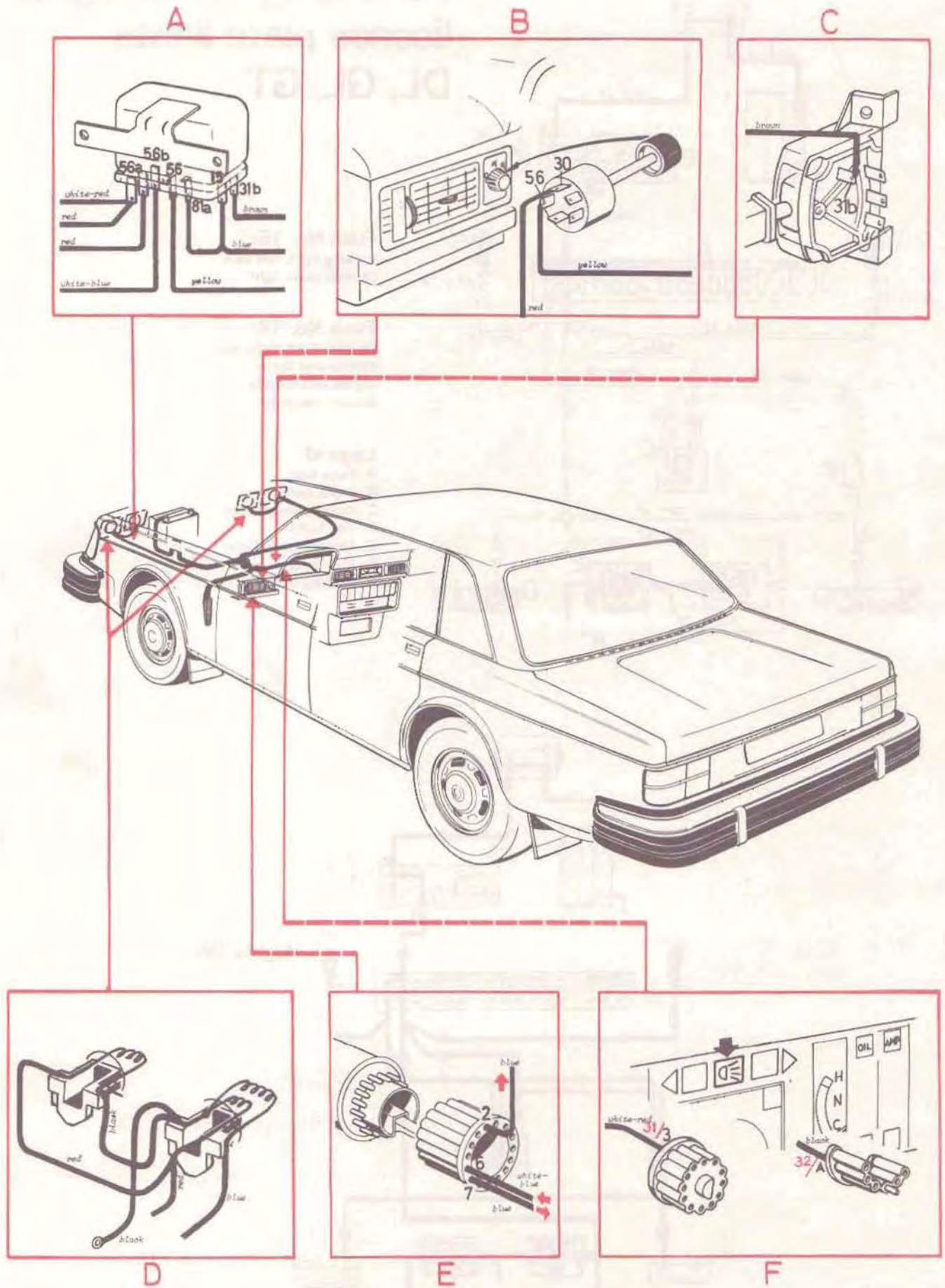
- A Upper/lower beam switch relay
- B Light switch
- C Turn signal switch/
headlight flasher
- D Headlamps
- E Bulb failure sensor
- F Upper beam indicator light
- G Connector

Upper beam

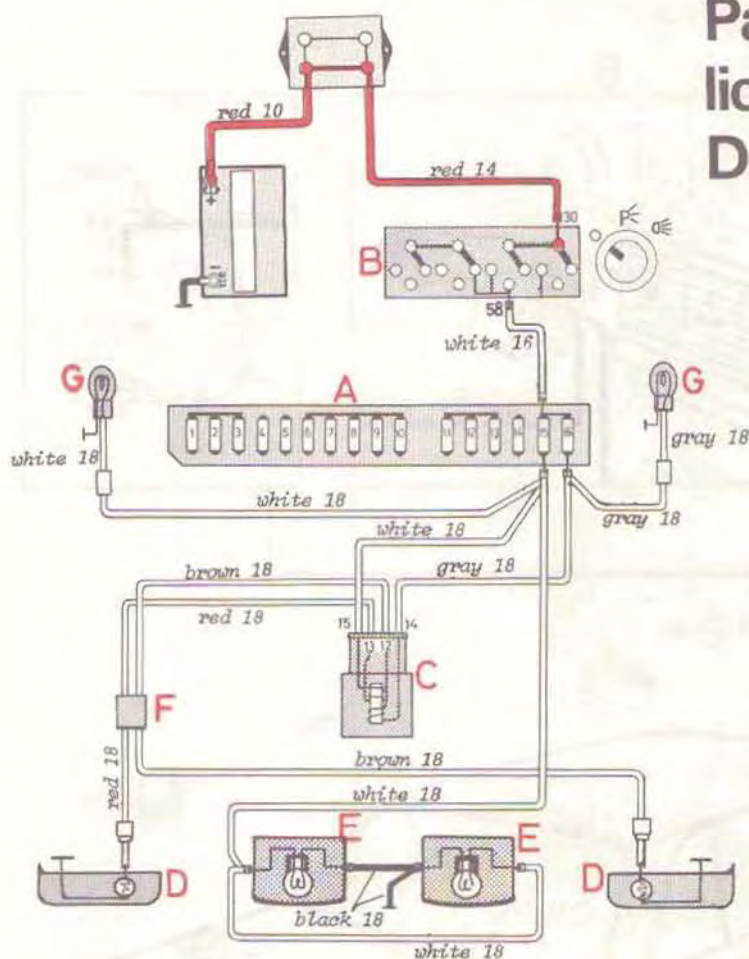
Lower beam

Headlight flasher





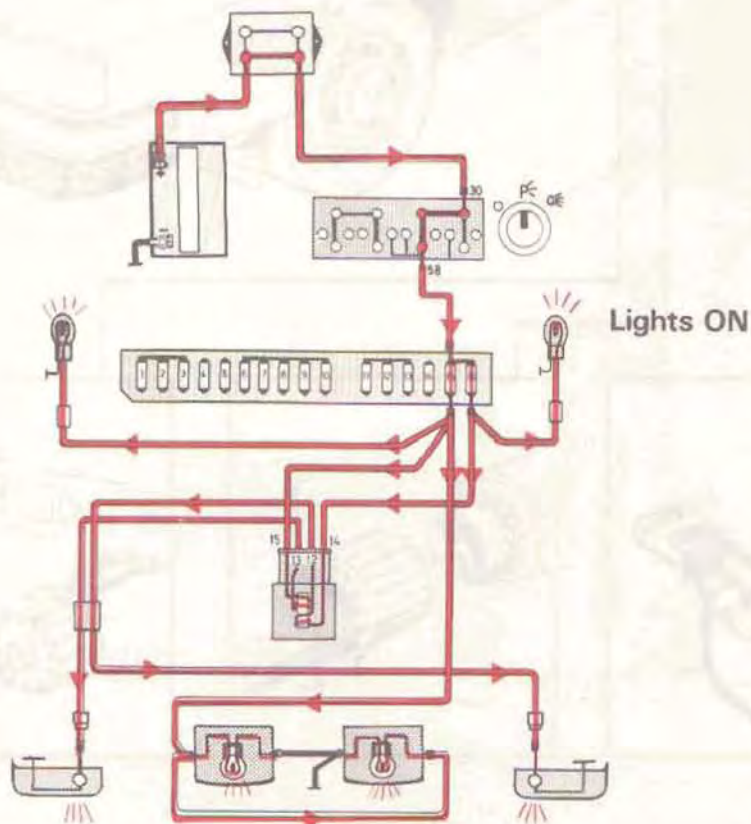
Parking lights, tail lights, license plate lights DL, GL, GT

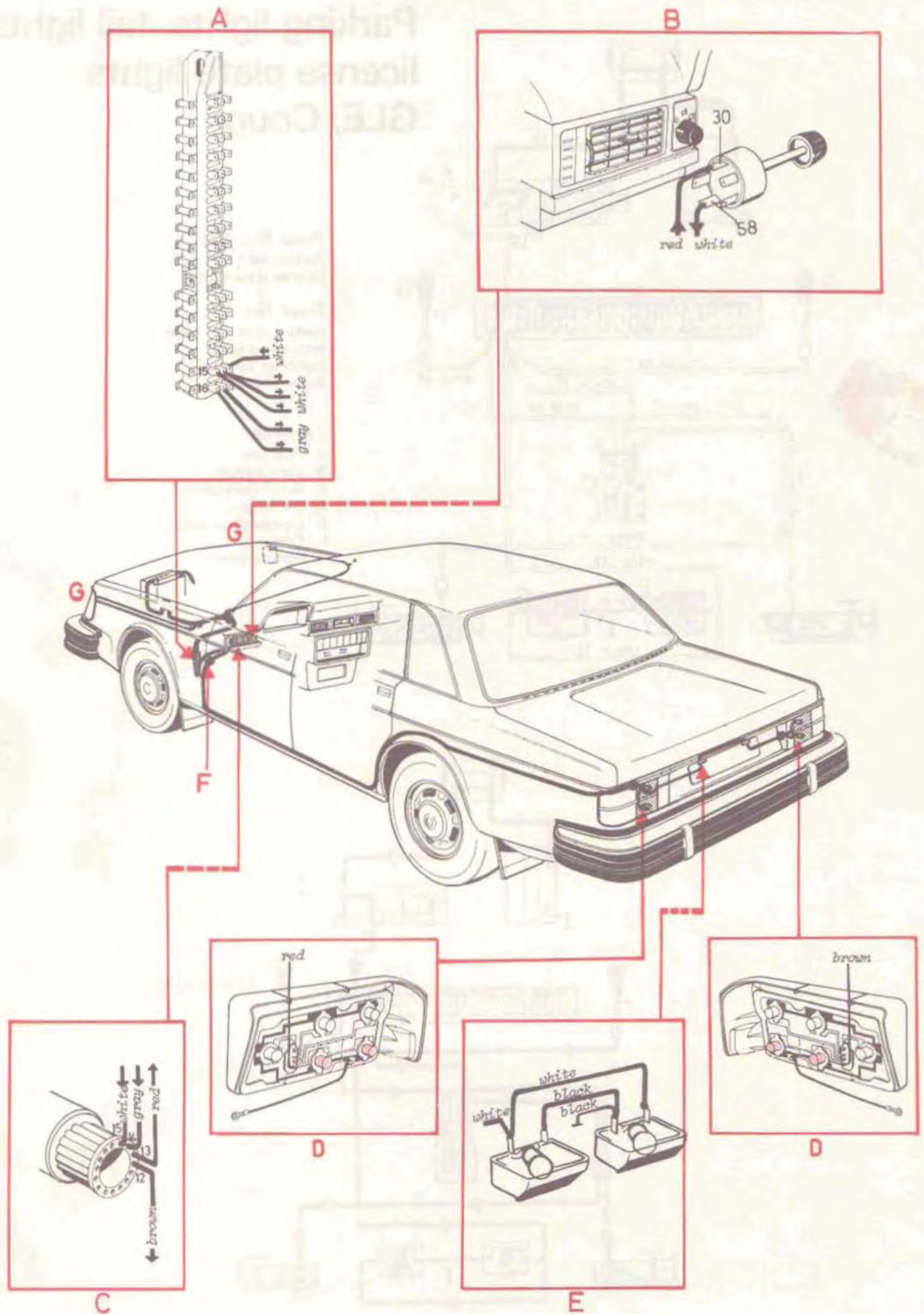


Fuse No. 15:
Parking light, left side
License plate light

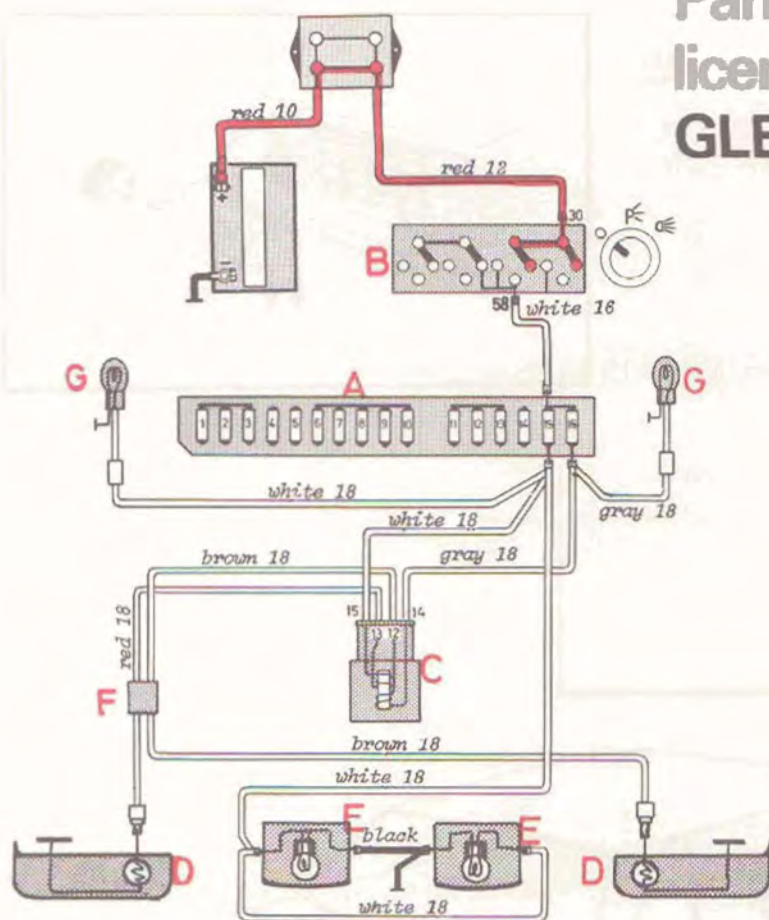
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

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





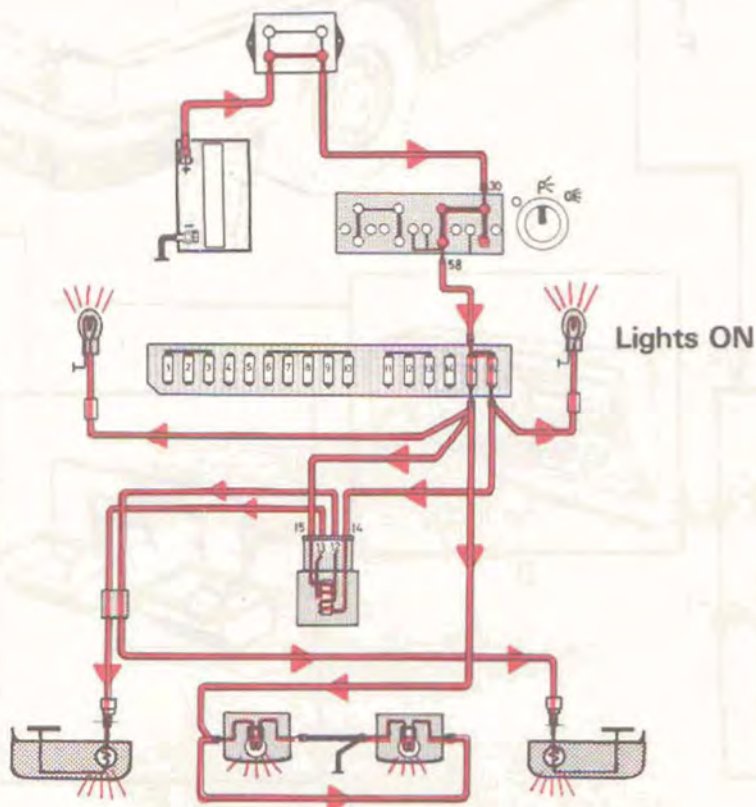
Parking lights, tail lights, license plate lights GLE, Coupe

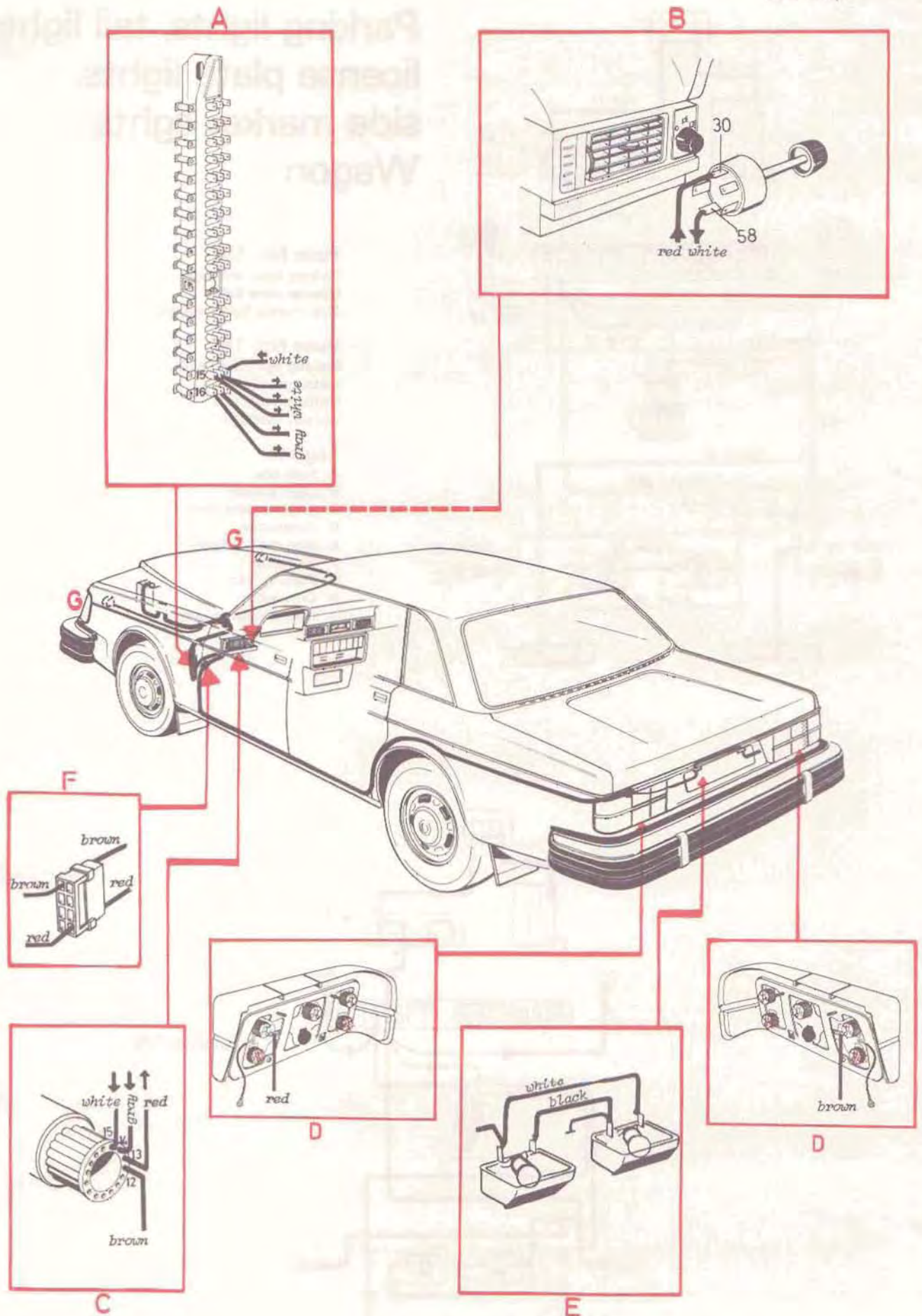


Fuse No. 15:
Parking light, left side
License plate light

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

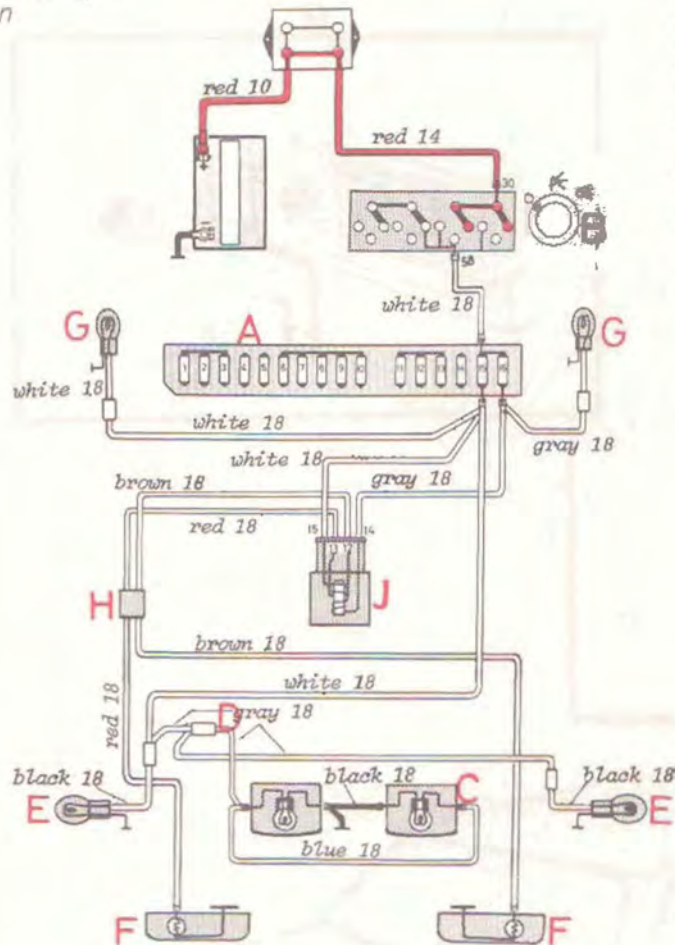
Legend:
A Fuse box
B Light switch
C Bulb failure sensor
D Tail lamp
E License plate lamp
F Connector
G Parking lamp





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

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

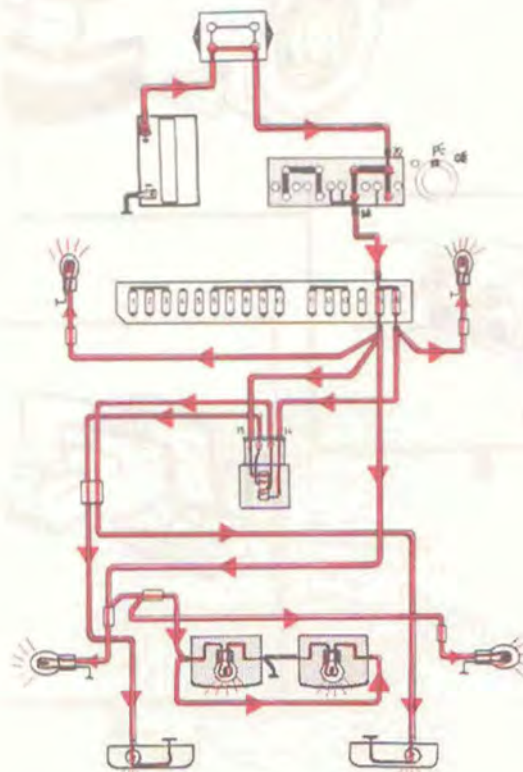


Fuse No. 15:
Parking light, left side
License plate light
Side marker light (wagon)

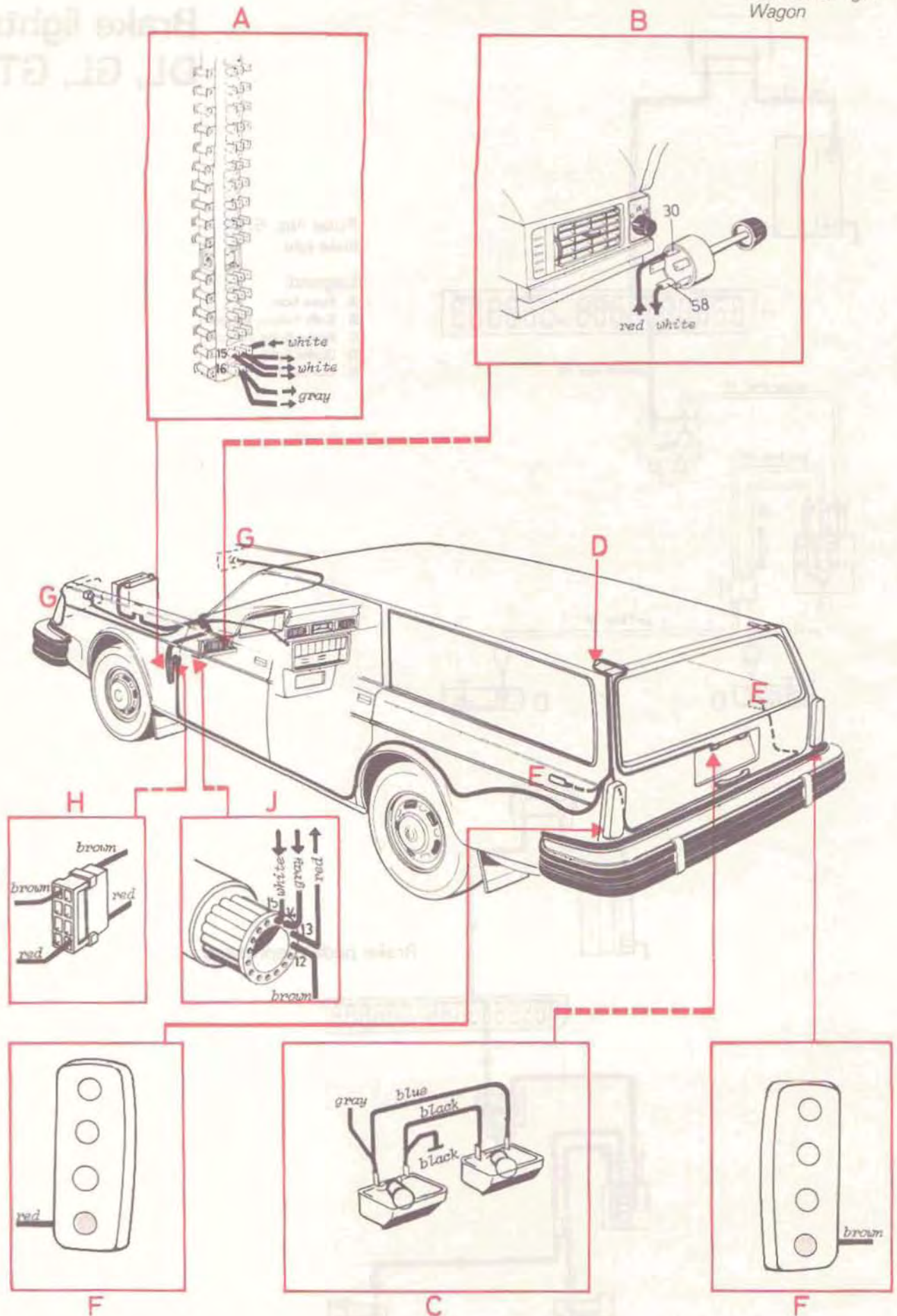
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

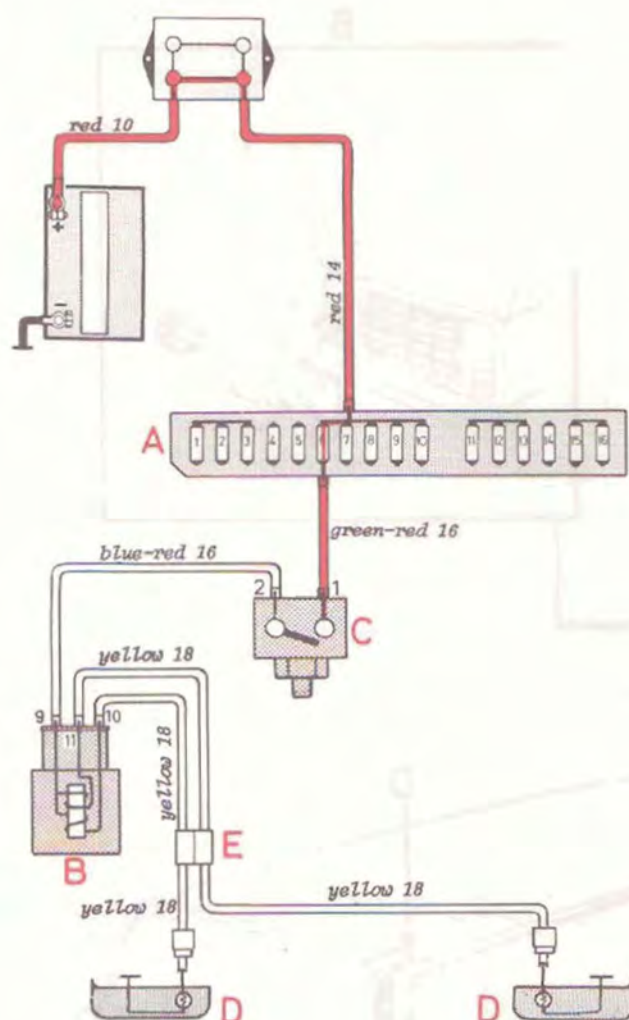
- A Fuse box
- B Light switch
- C License plate lamp
- D Connector
- E Side marker light
- F Tail lamp
- G Parking light
- H Connector
- J Bulb failure sensor



Lights ON



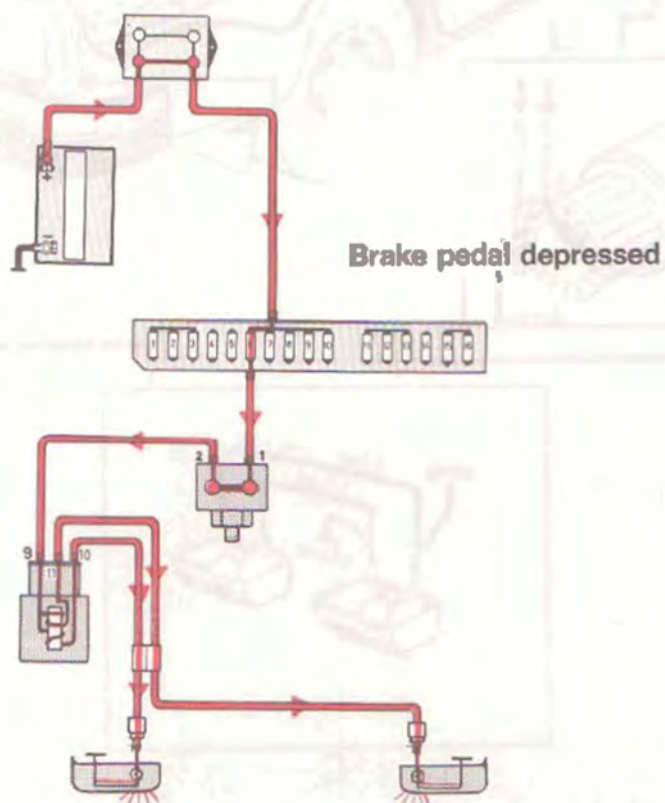
Brake lights DL, GL, GT

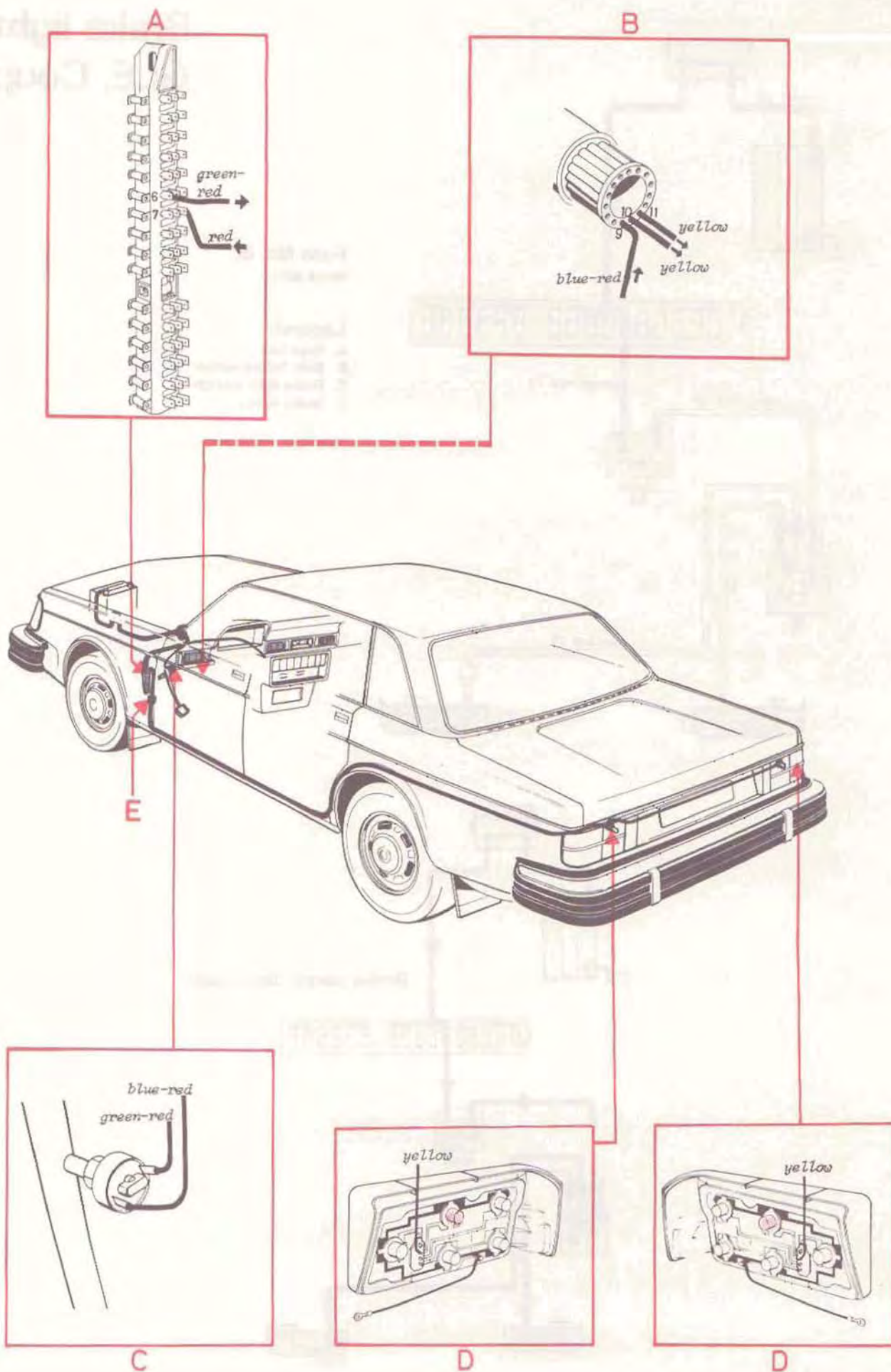


Fuse No. 6:
Brake light

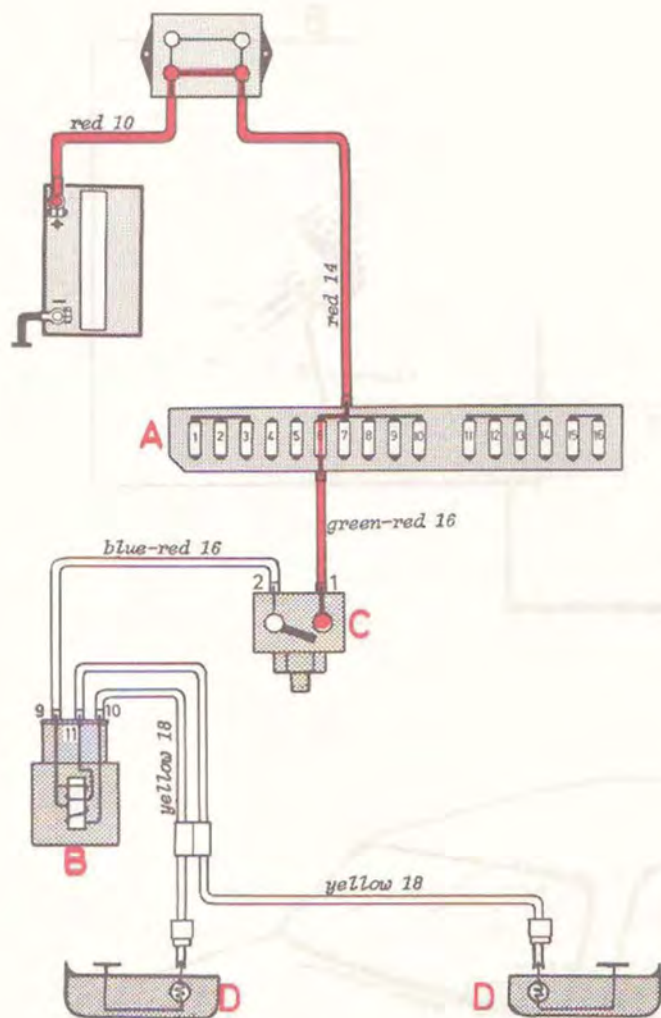
Legend:

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





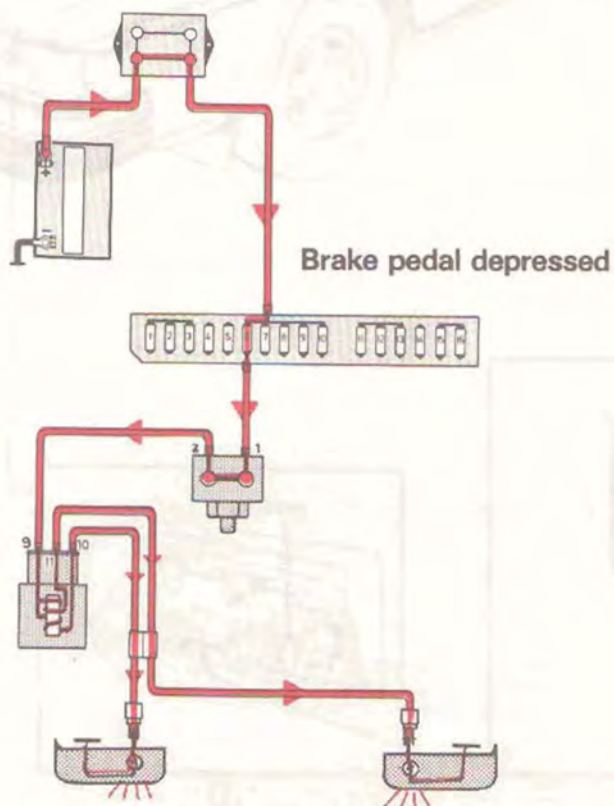
Brake lights GLE, Coupe

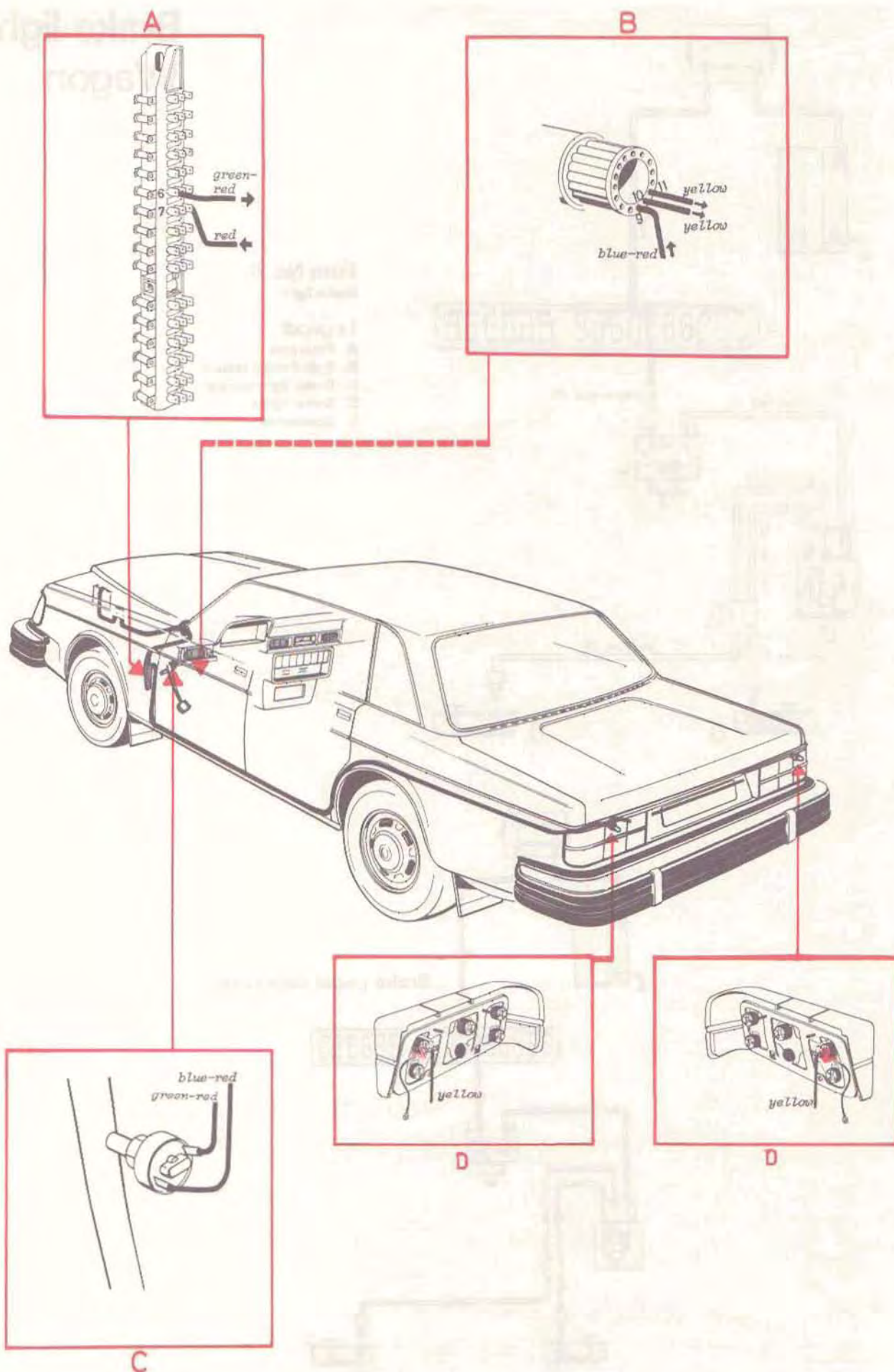


Fuse No. 6:
Brake light

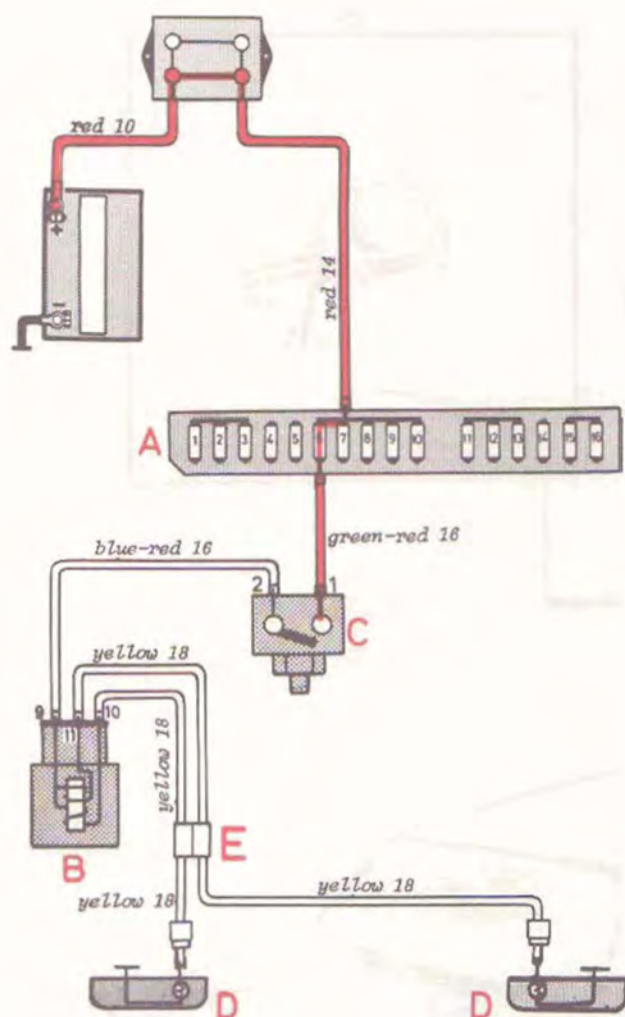
Legend:

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





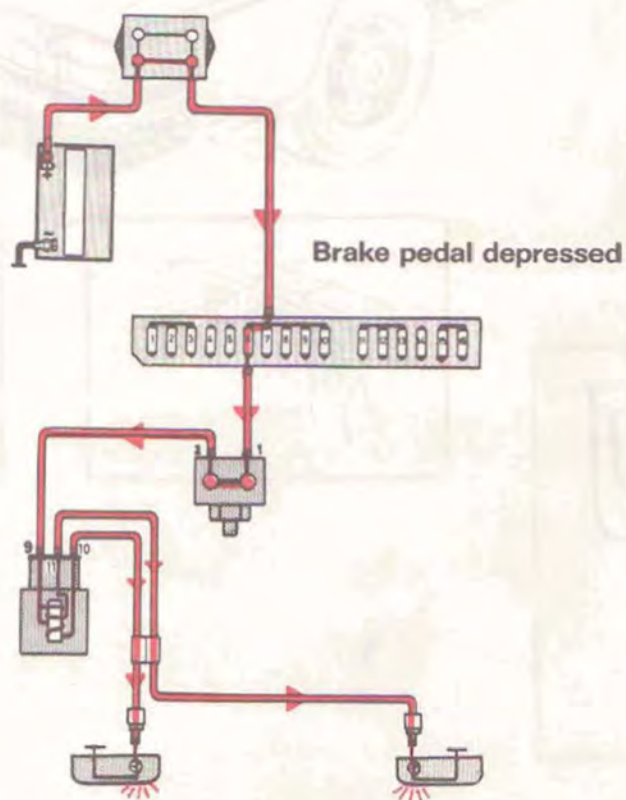
Brake lights Wagon

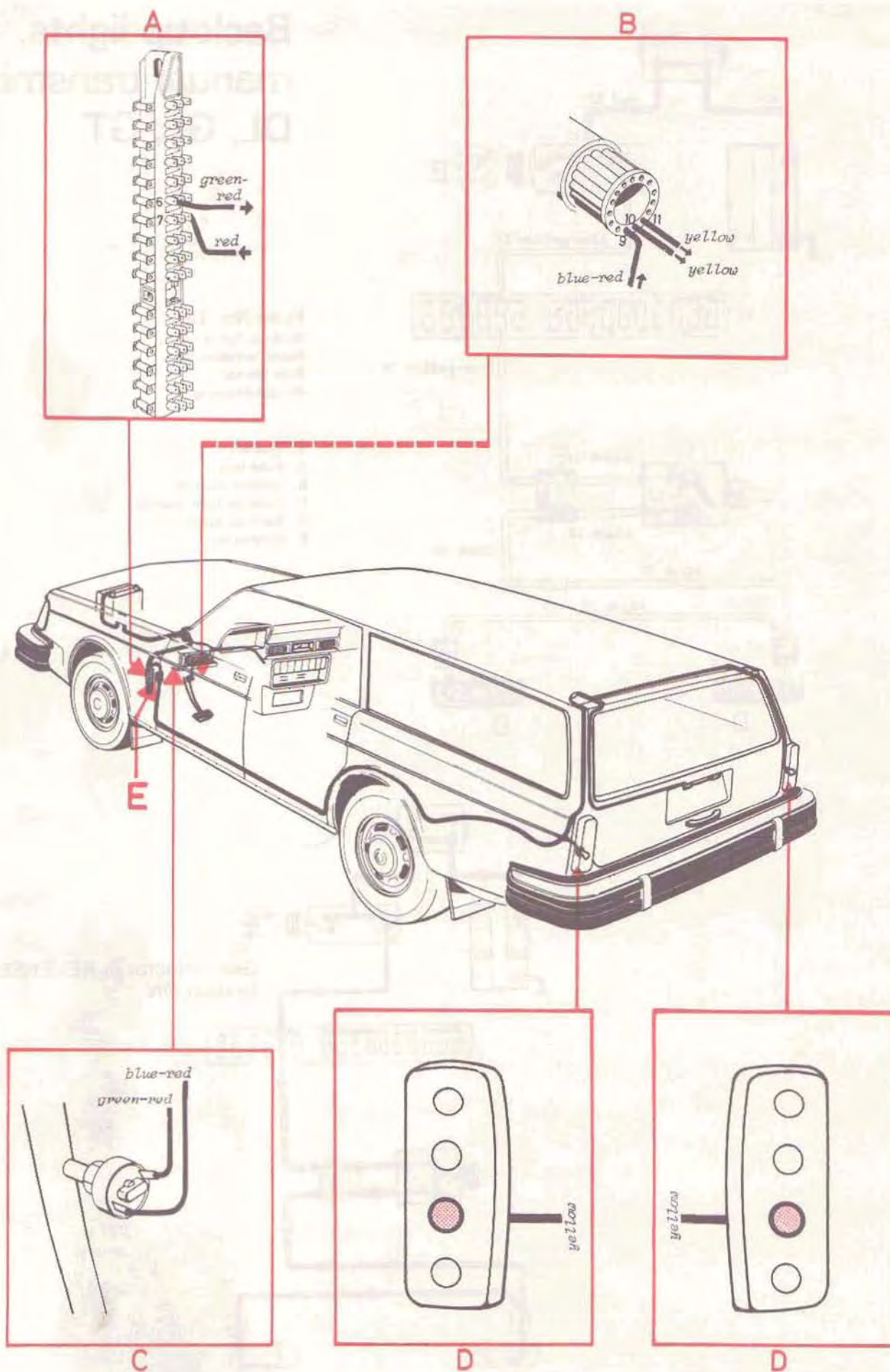


Fuse No. 6:
Brake light

Legend:

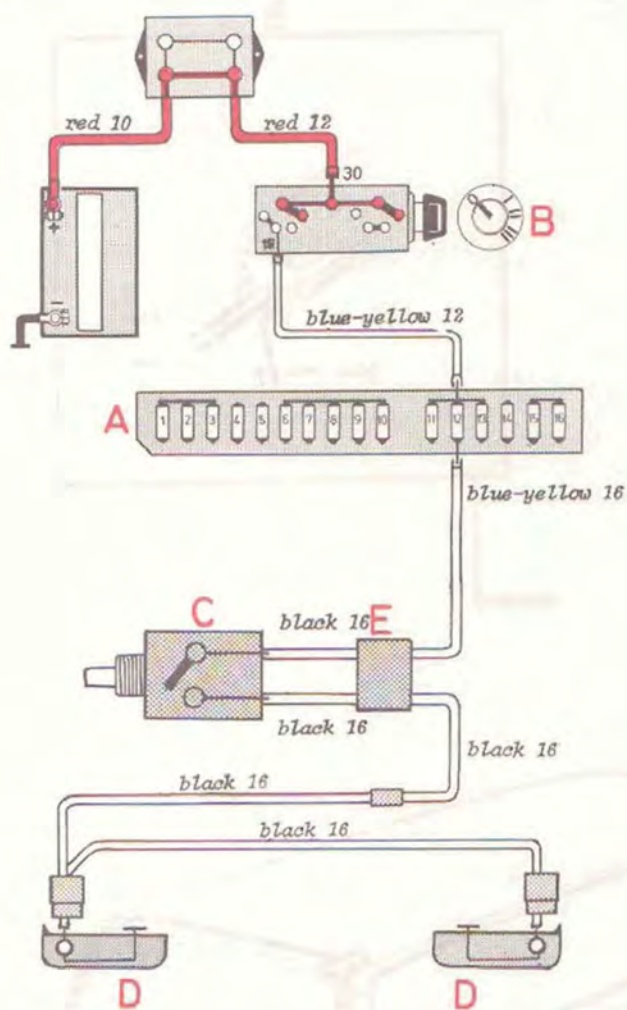
- A Fuse box
- B Bulb failure sensor
- C Brake light switch
- D Brake lights
- E Connector





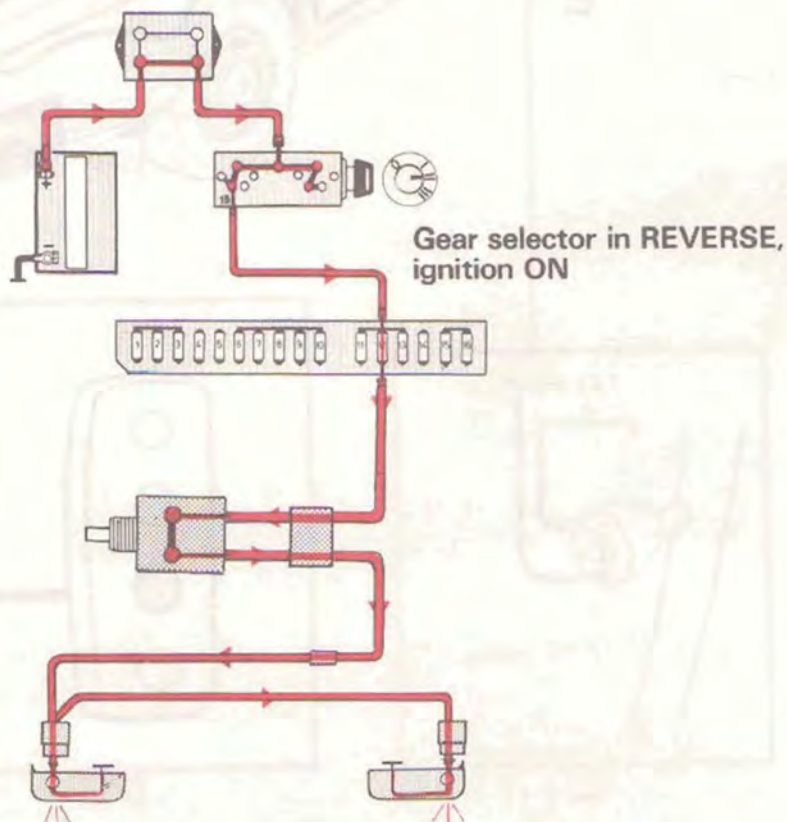
Back-up lights,
manual transmission
DL, GL, GT

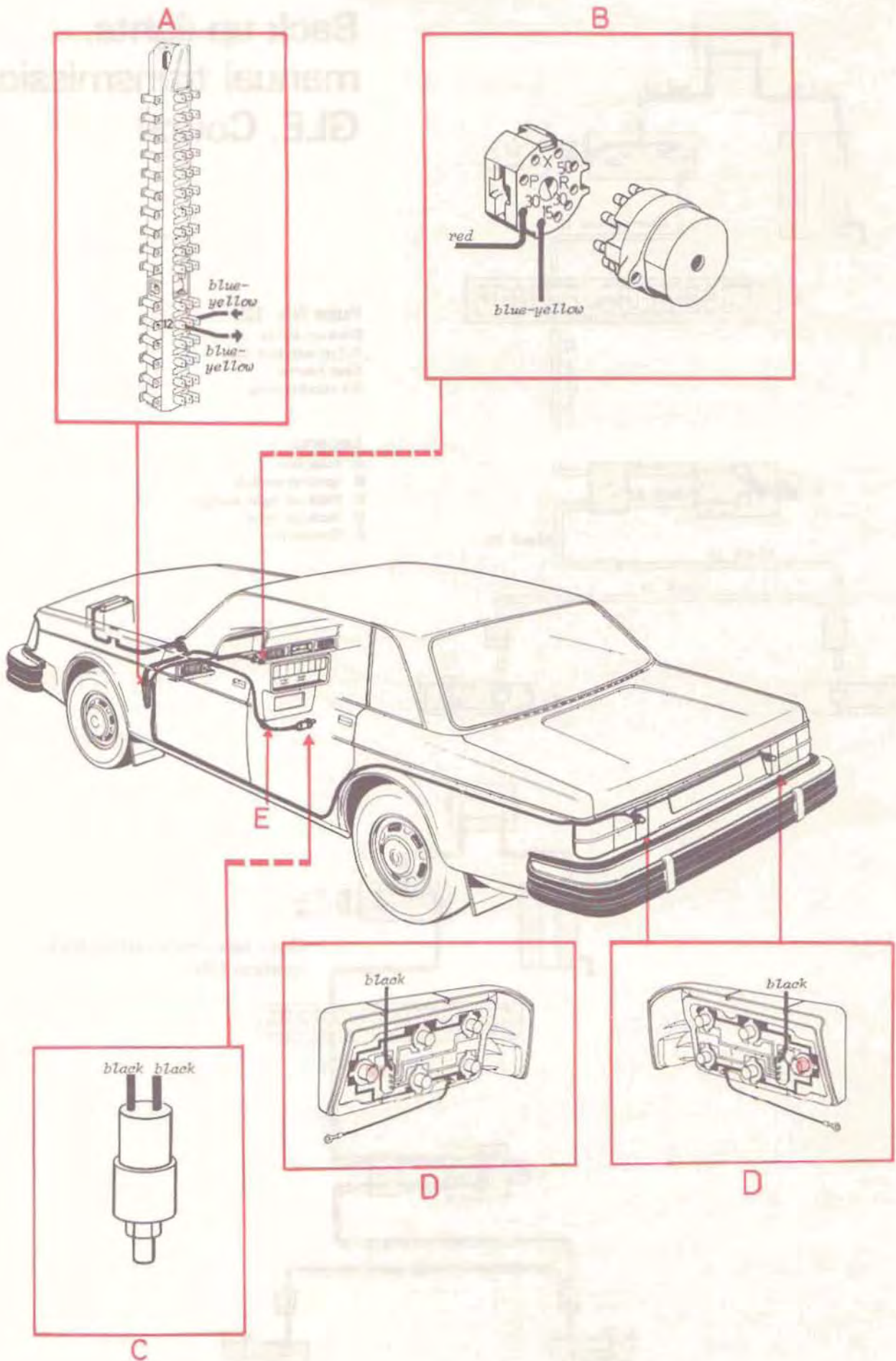
Back-up lights, manual transmission DL, GL, GT



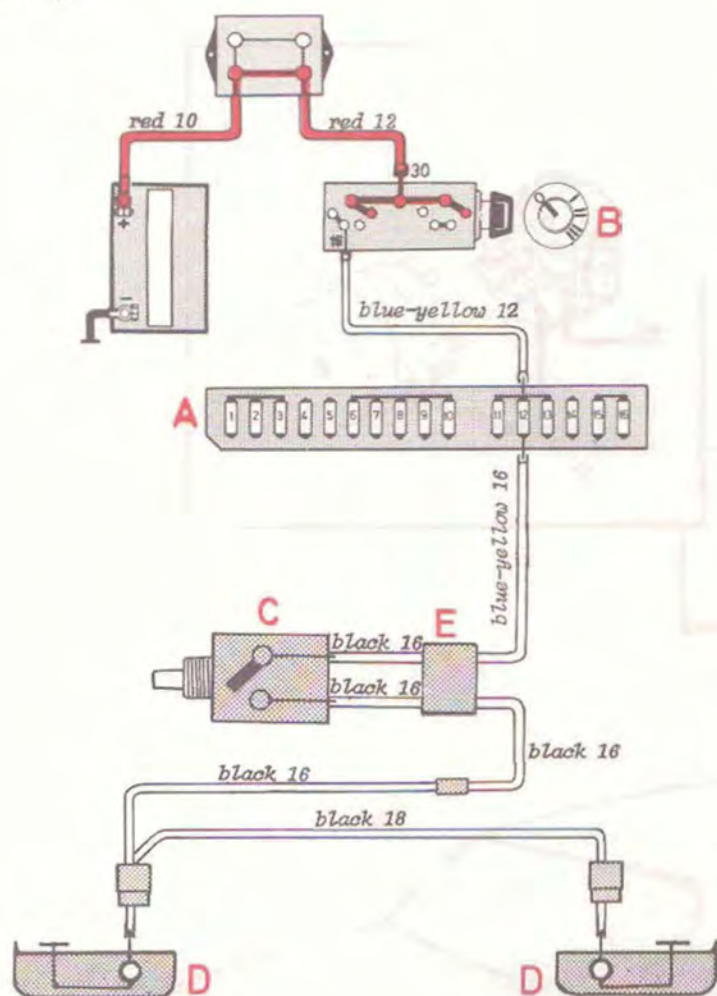
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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

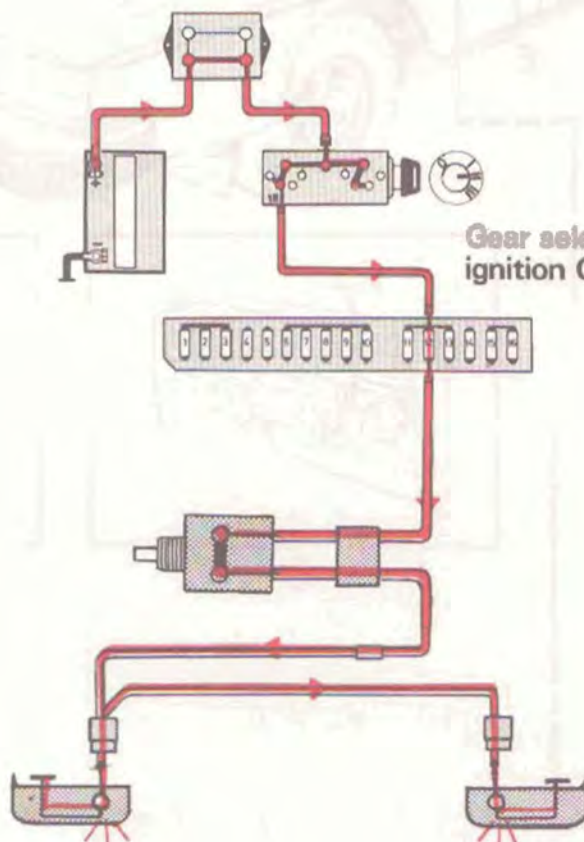


Fuse No. 12:

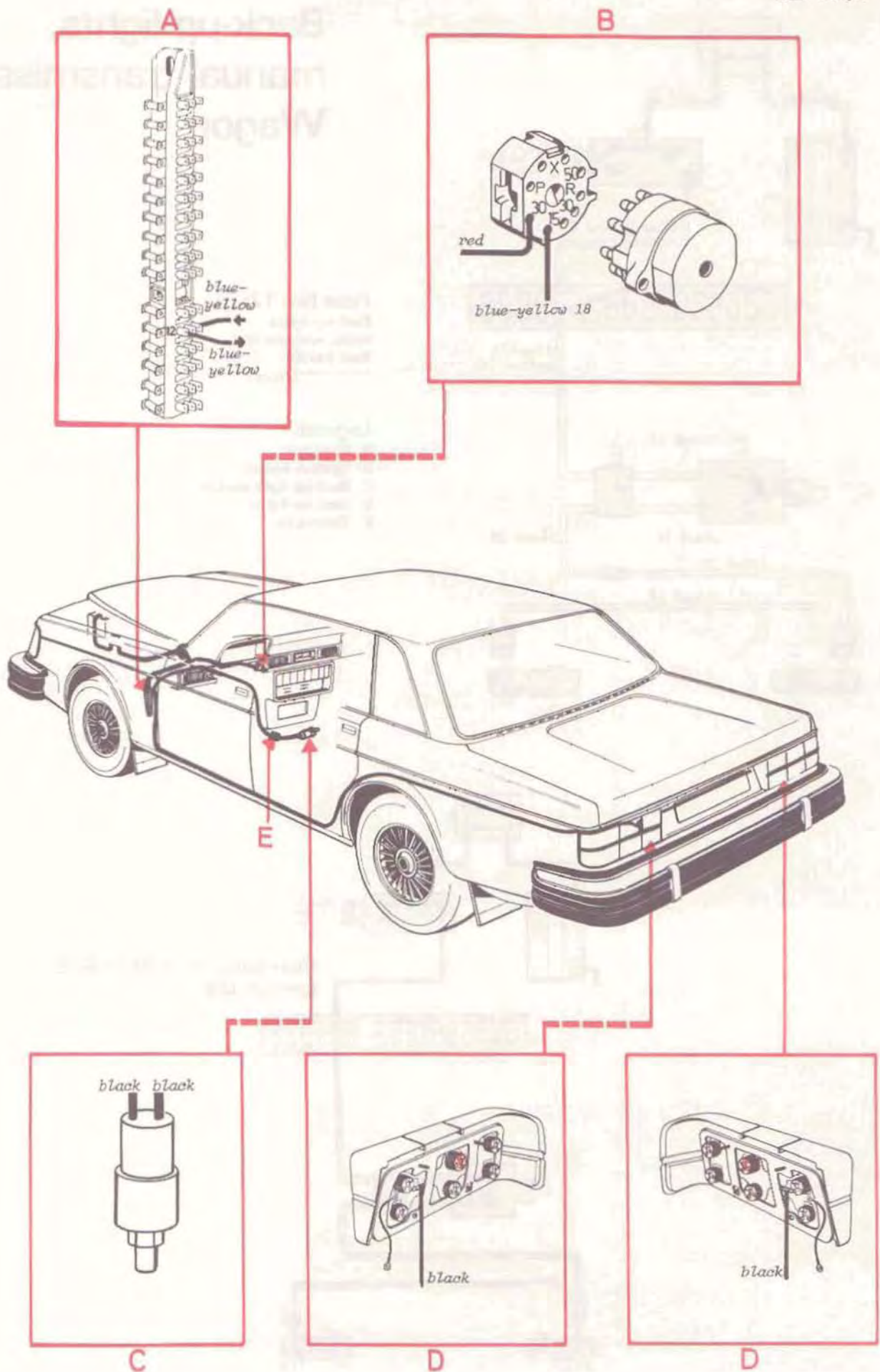
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

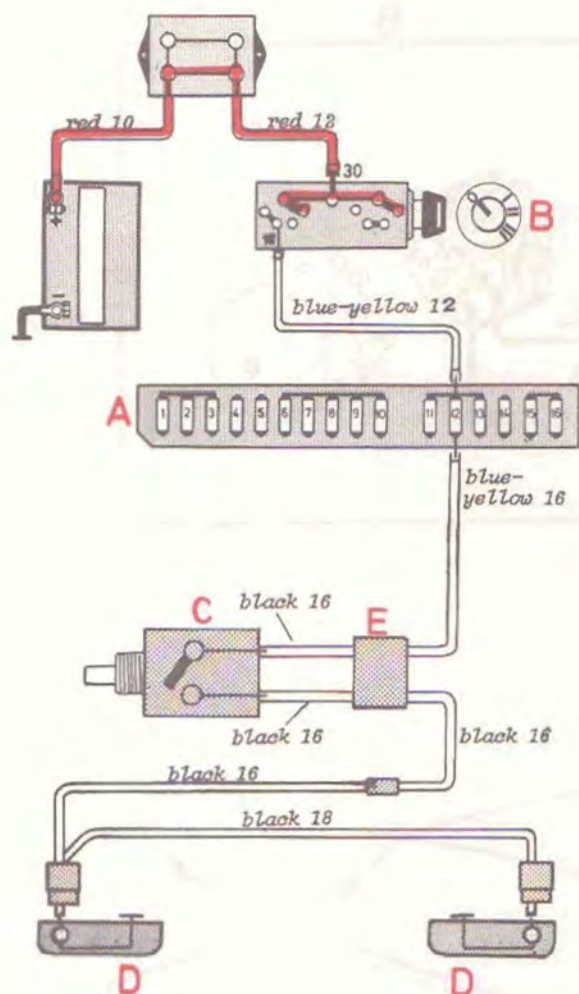
- A Fuse box
- B Ignition switch
- C Back-up light switch
- D Back-up light
- E Connector



**Gear selector in REVERSE,
ignition ON**



Back-up lights, manual transmission Wagon

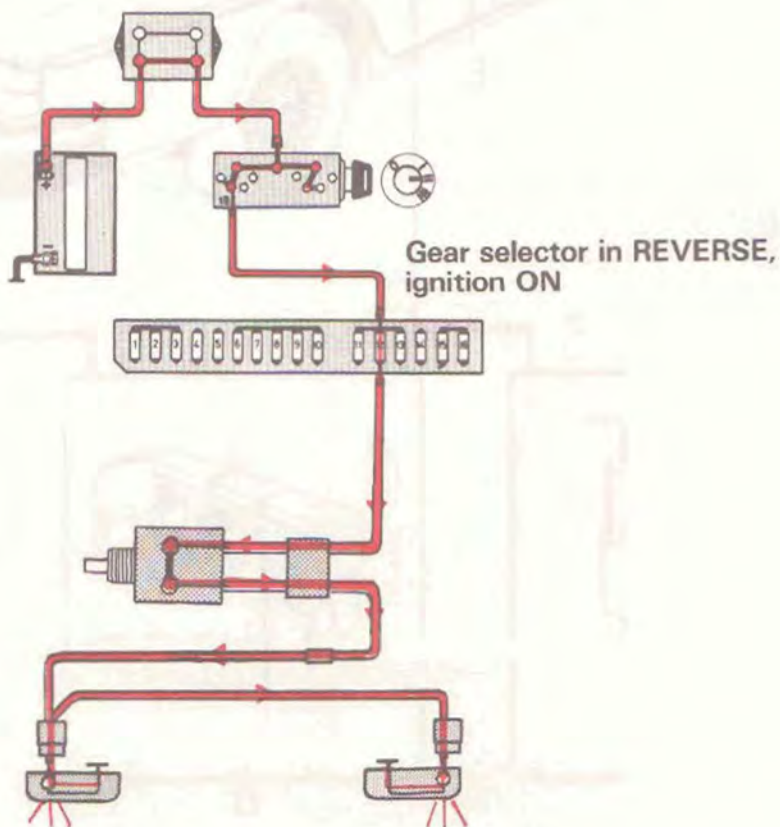


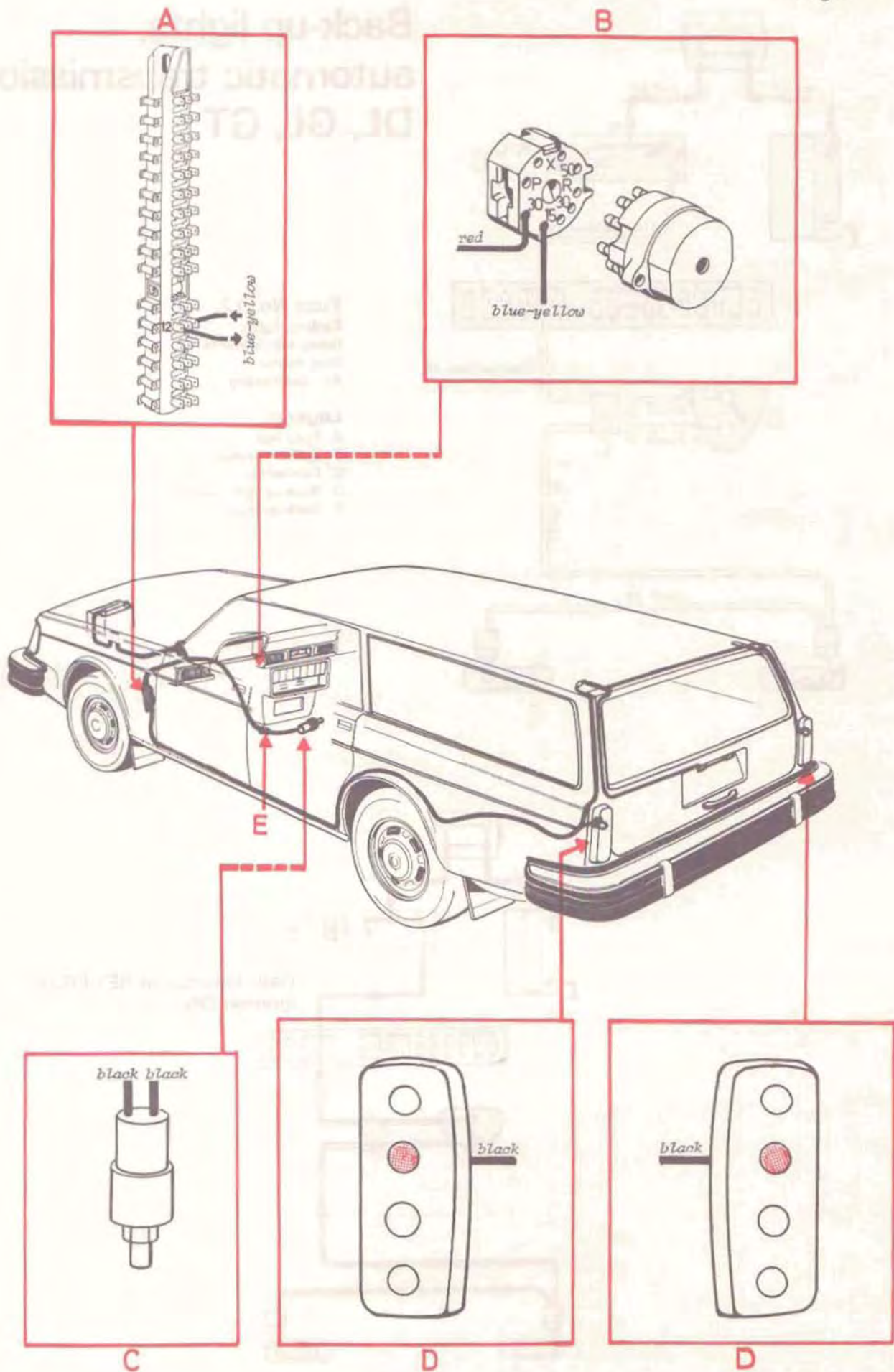
Fuse No. 12:

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

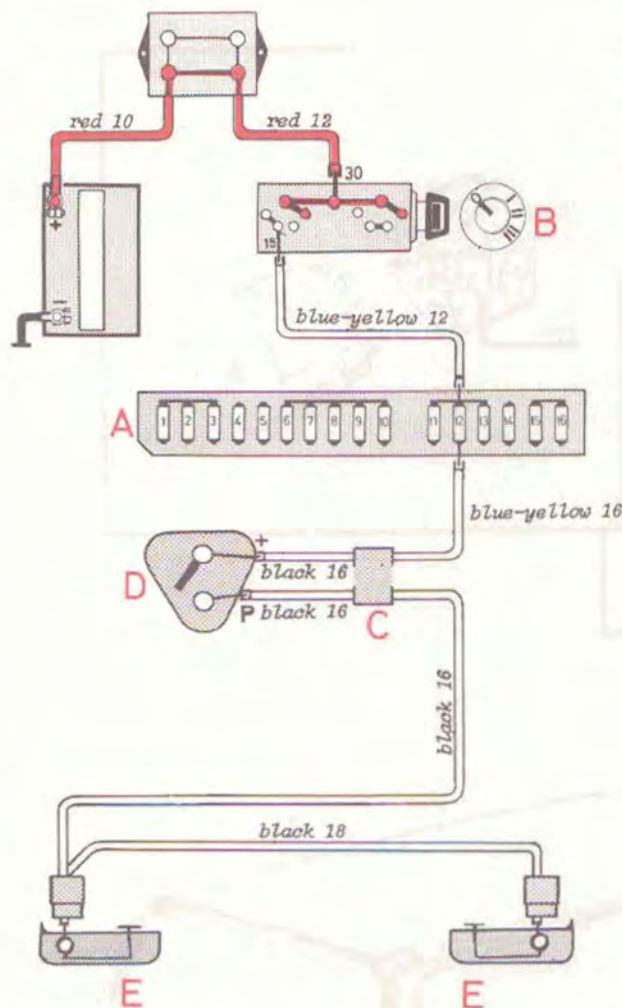
Legend:

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



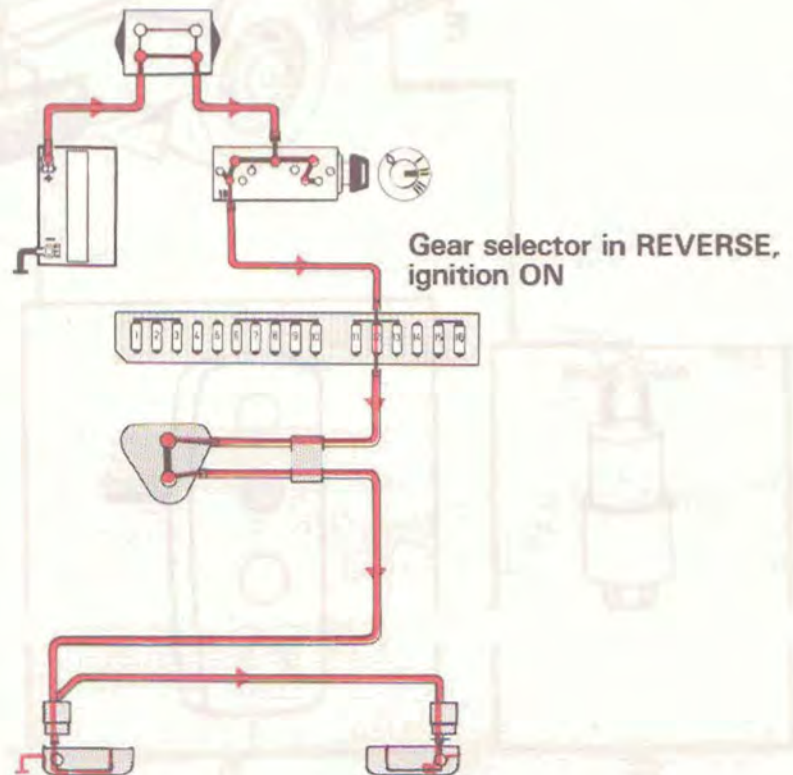


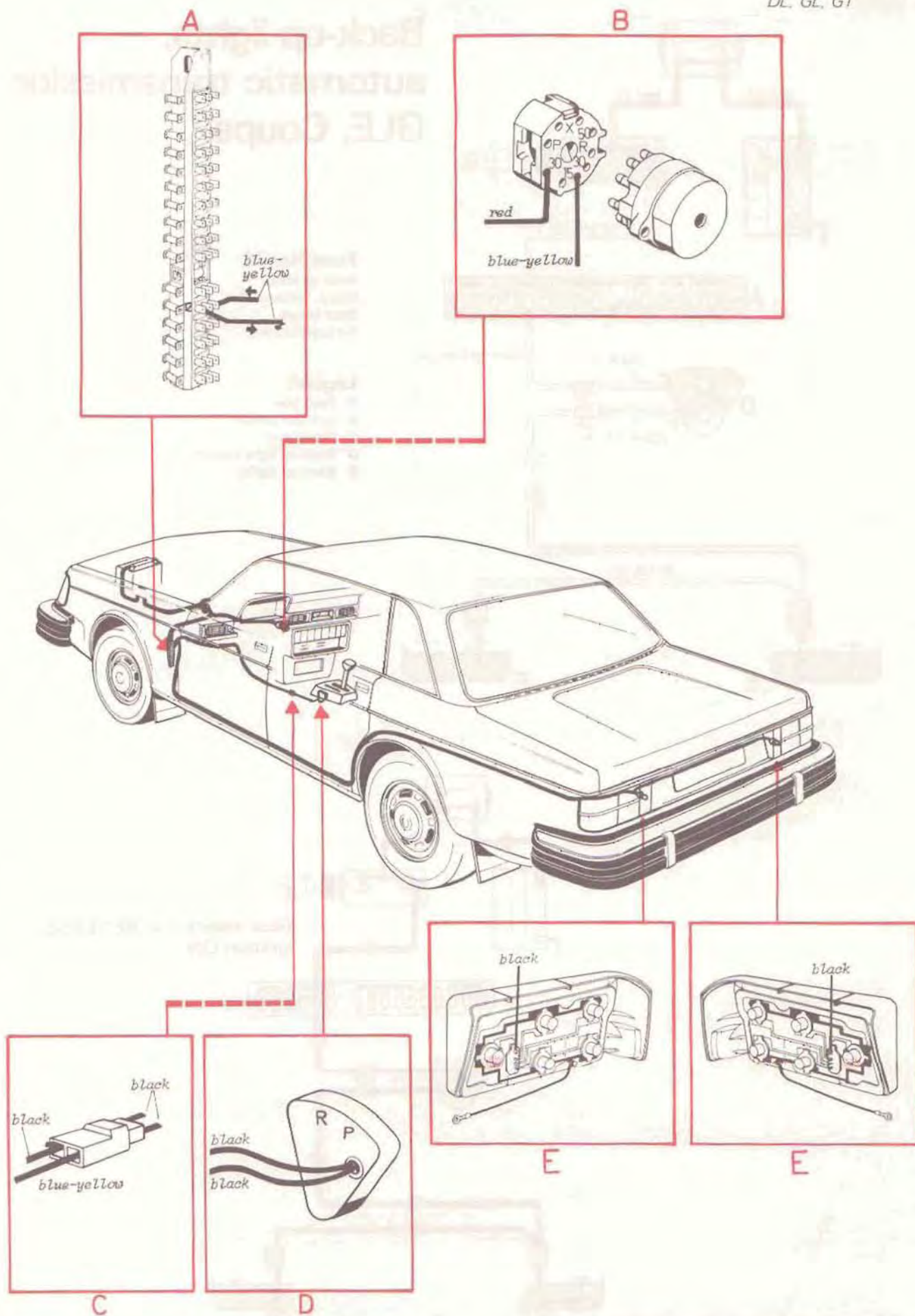
Back-up lights, automatic transmission DL, GL, GT



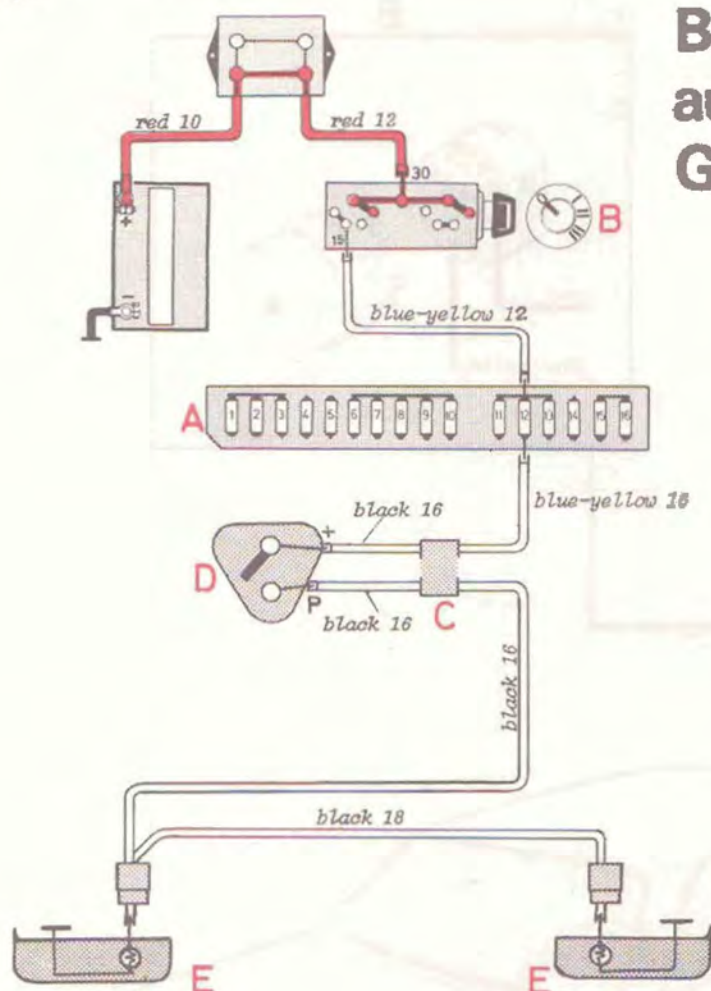
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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



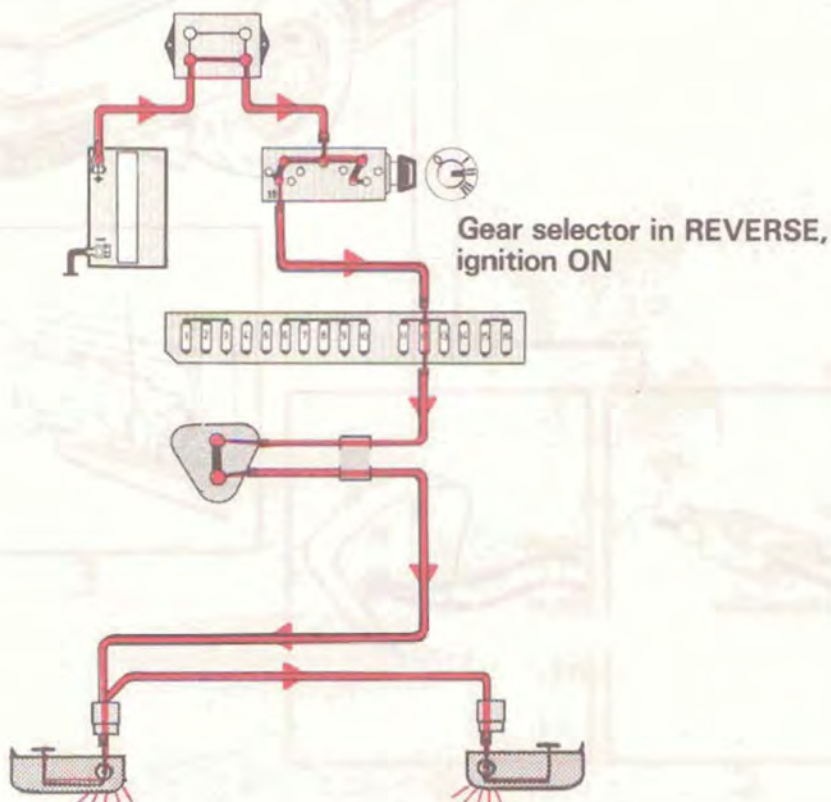


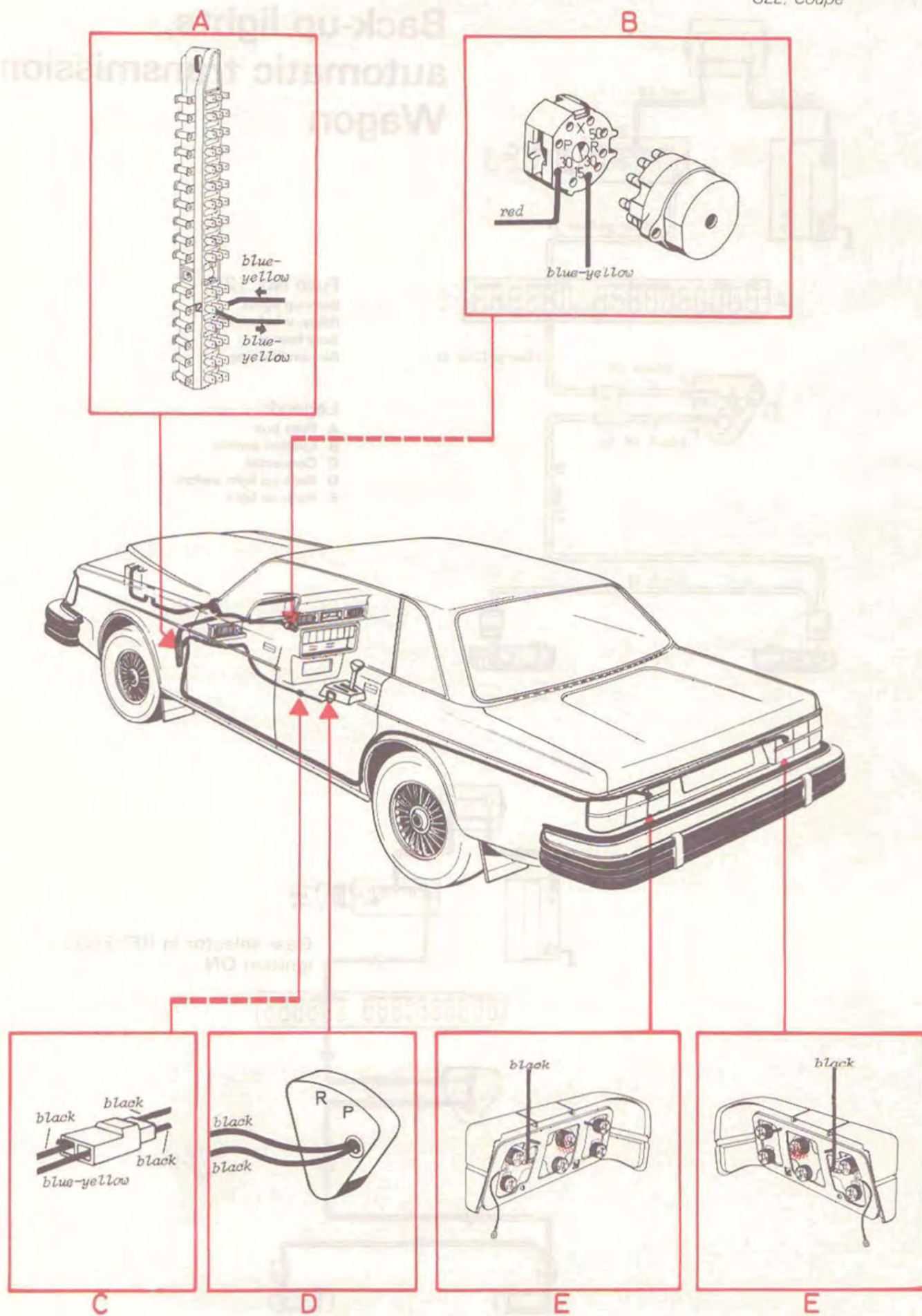
Back-up lights, automatic transmission GLE, Coupe



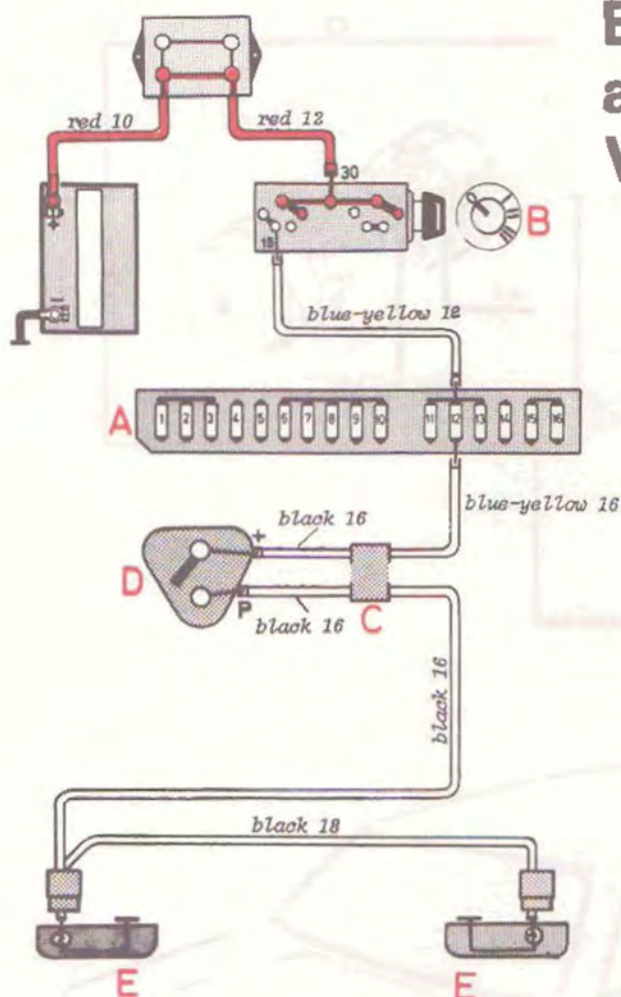
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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





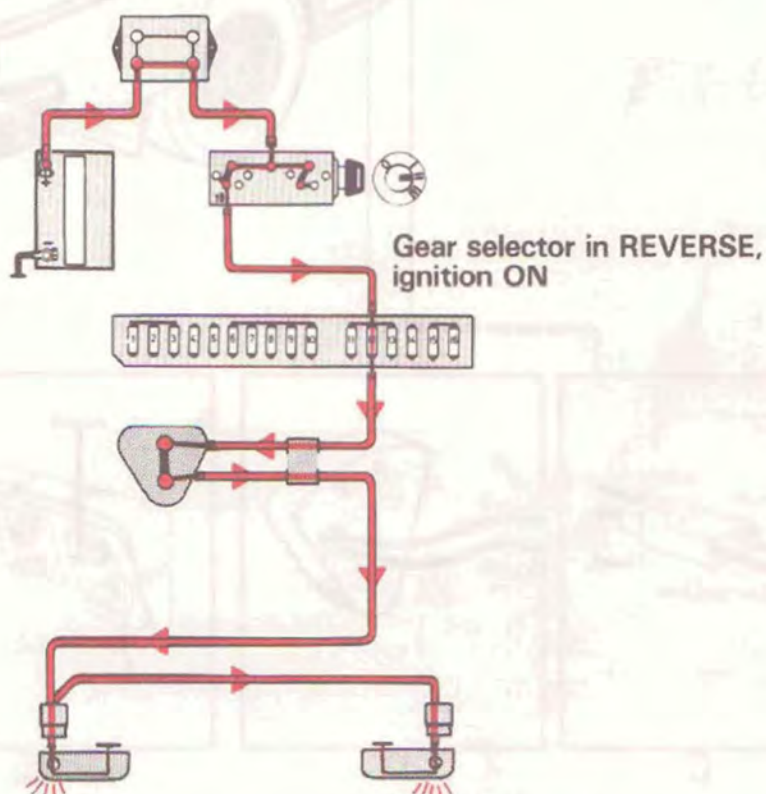
**Back-up lights,
automatic transmission
Wagon**

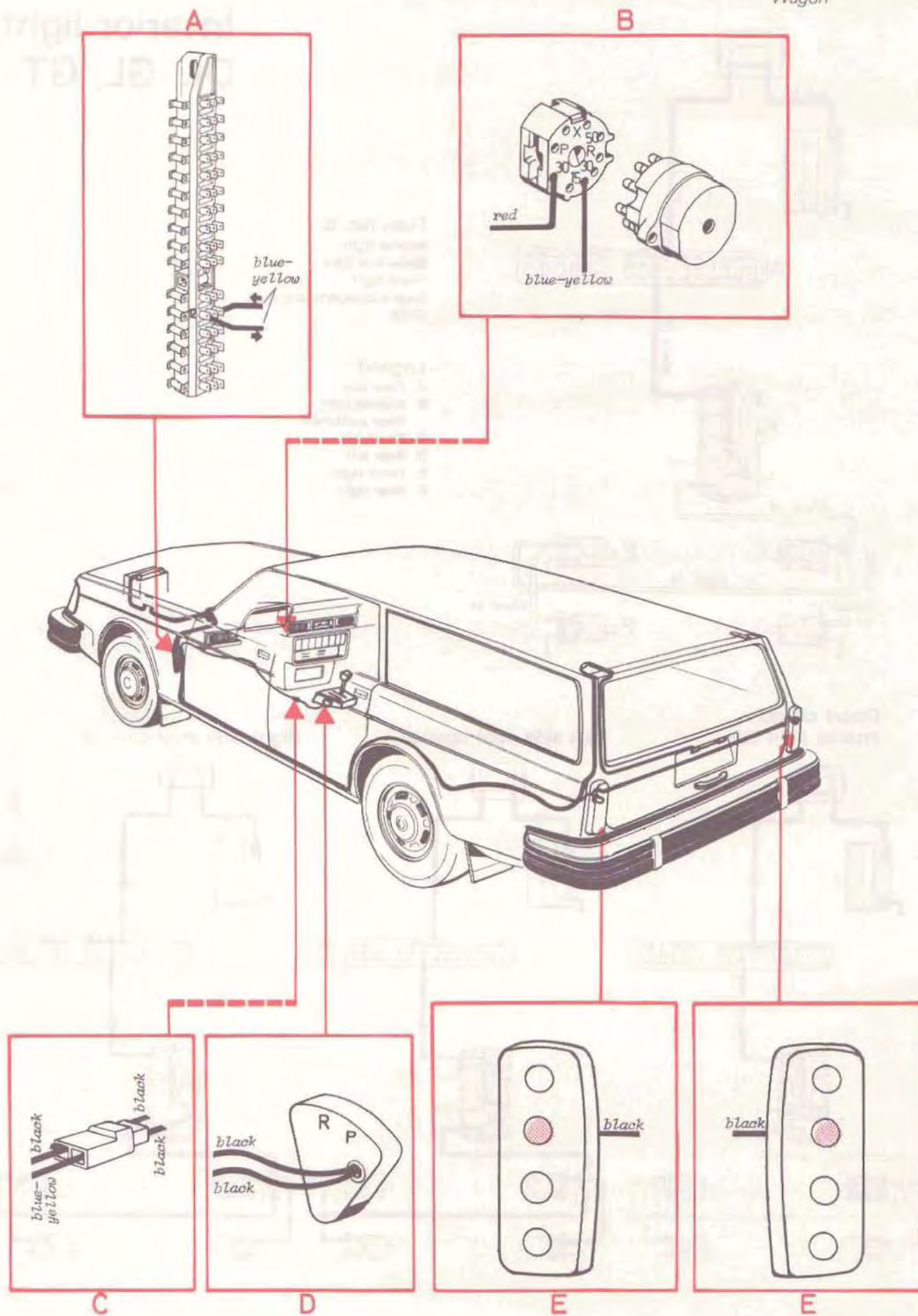


Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

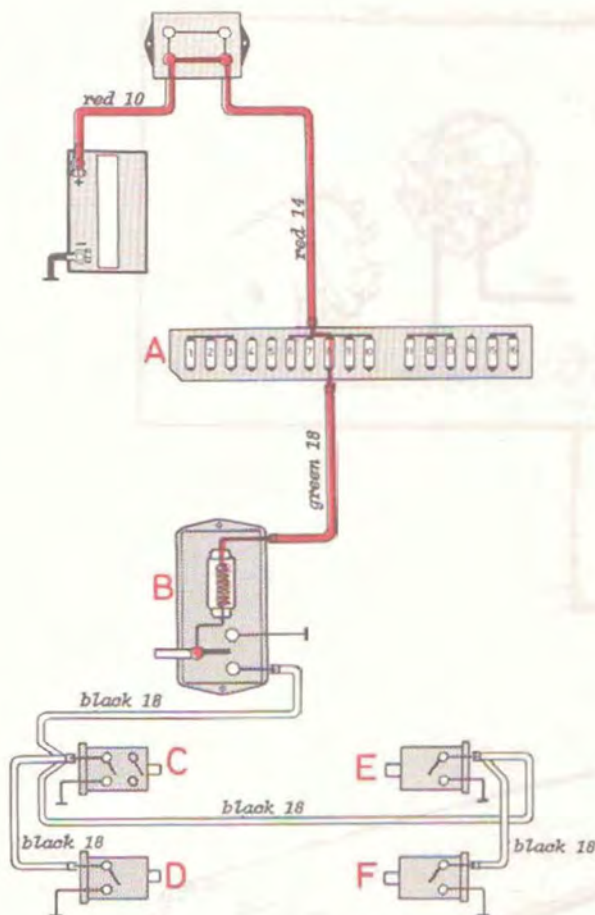
Legend:

- 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

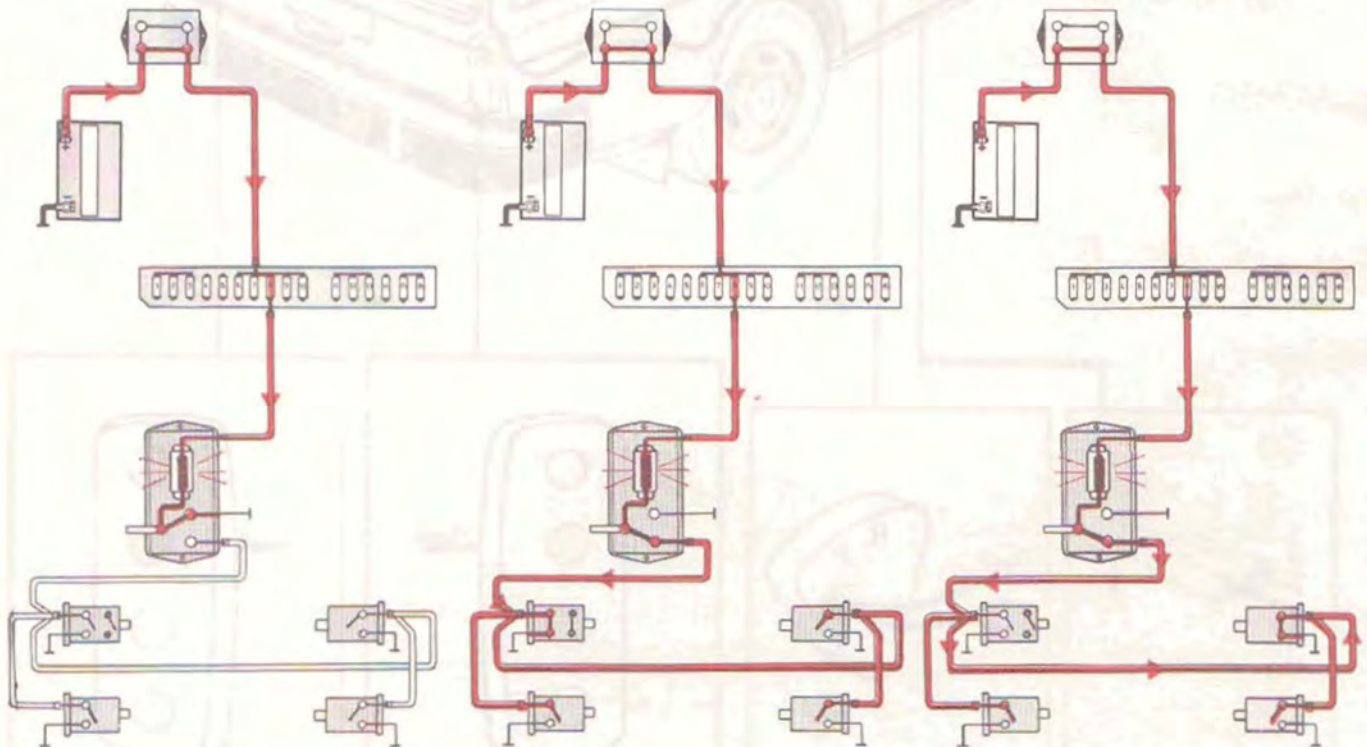
Legend:

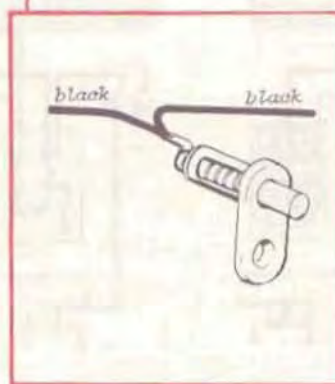
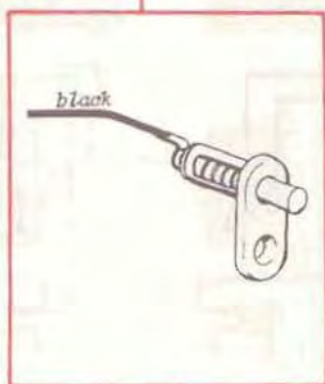
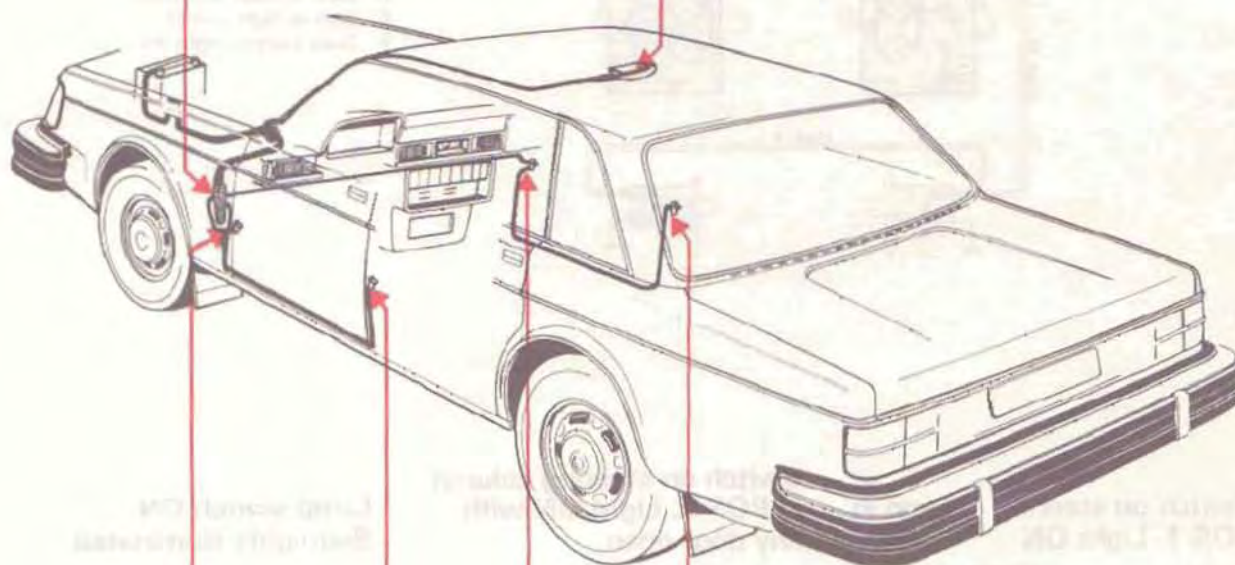
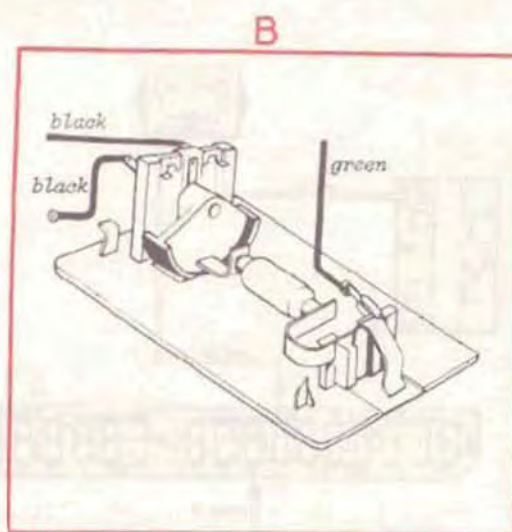
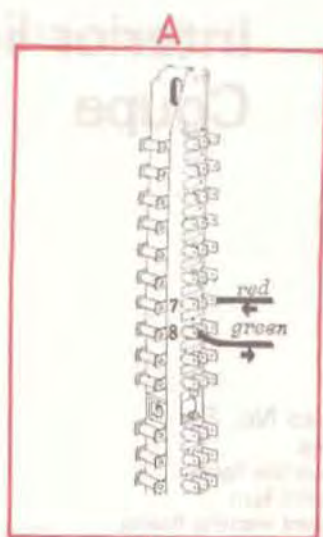
A Fuse box
B Interior light
Door switches:
C Front left
D Rear left
E Front right
F Rear right

Doors closed,
interior light ON

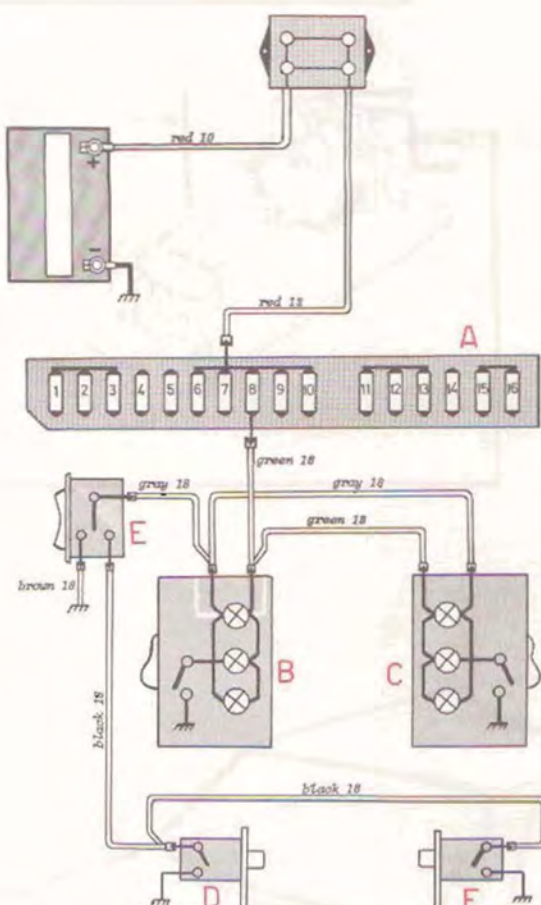
Left side door opened

Right side door opened





Interior light Coupe



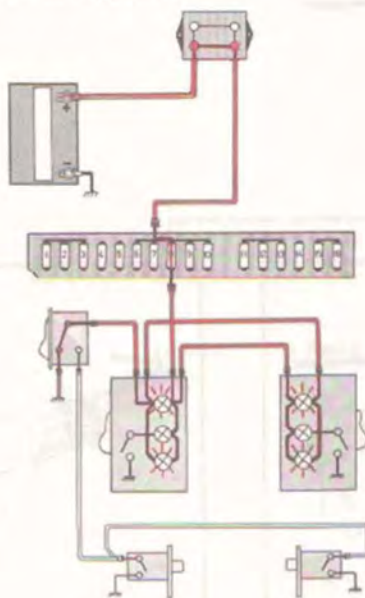
Fuse No. 8

Clock
Glove box light
Interior light
Hazard warning flasher

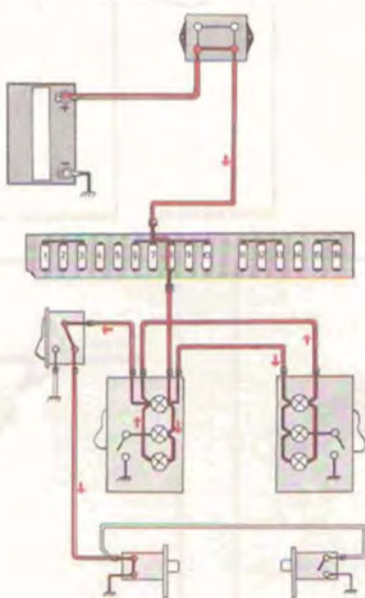
Legend:

- 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

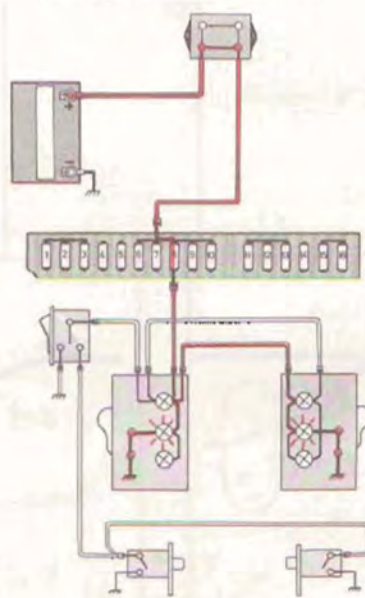
Switch on steering column
in POS 1. Light ON

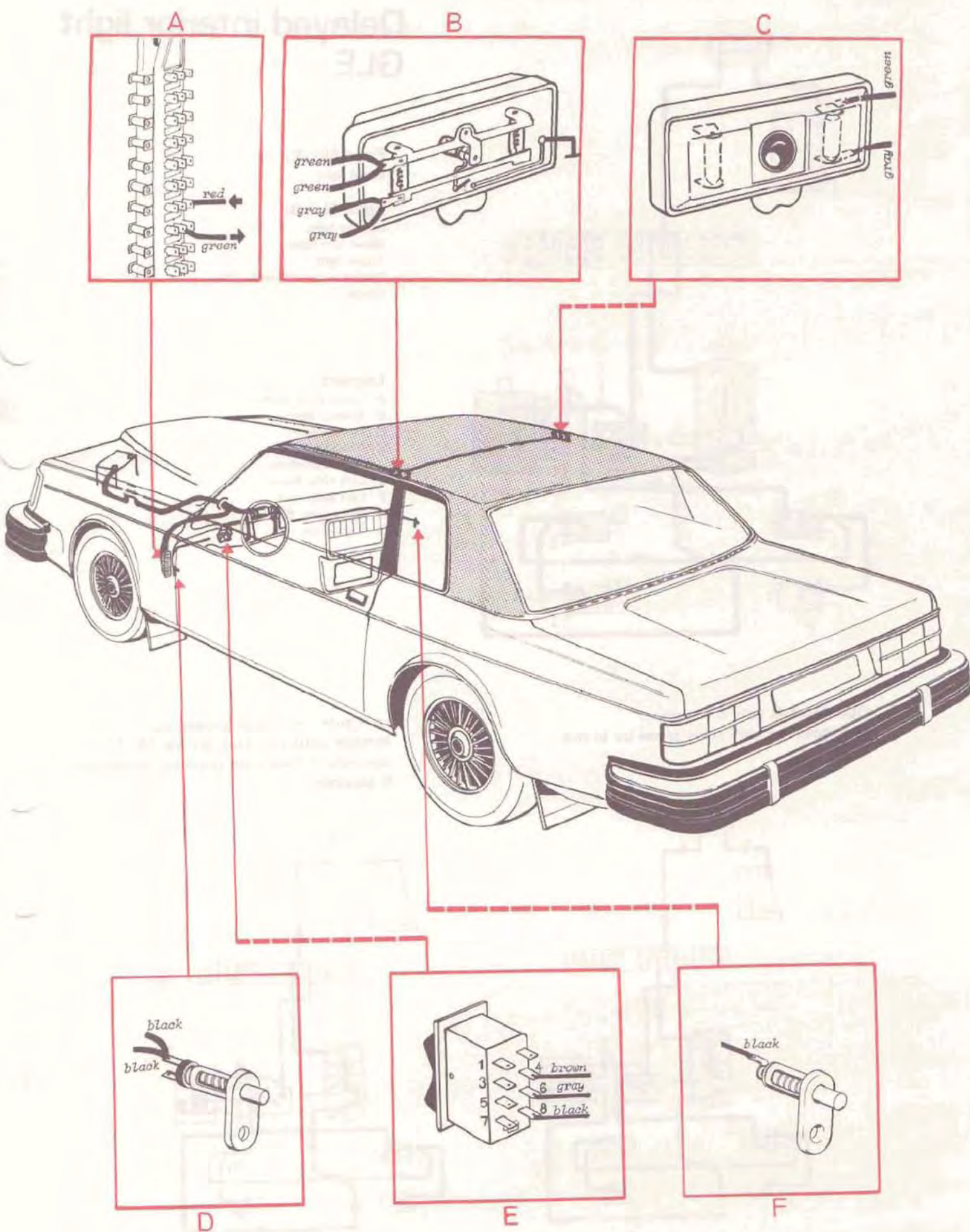


Switch on steering column
in POS 2. Light ON with
any door open.

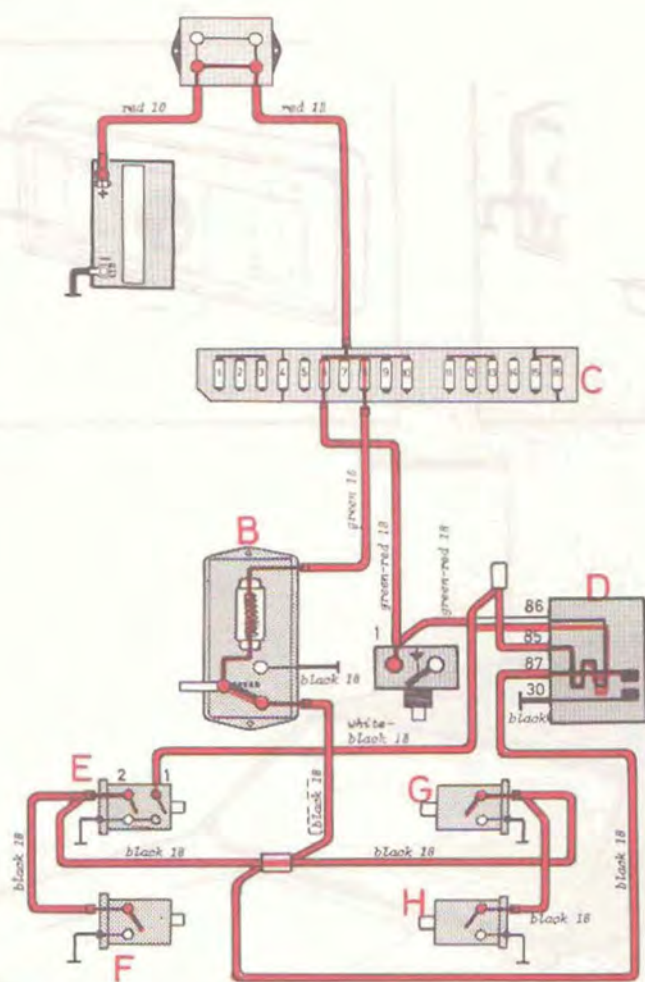


Lamp switch ON.
Spotlights illuminated.





Delayed interior light GLE



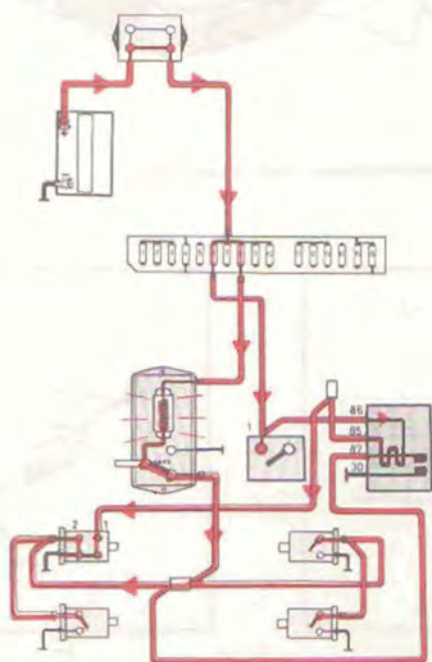
Fuse No. 6:
Brake light

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

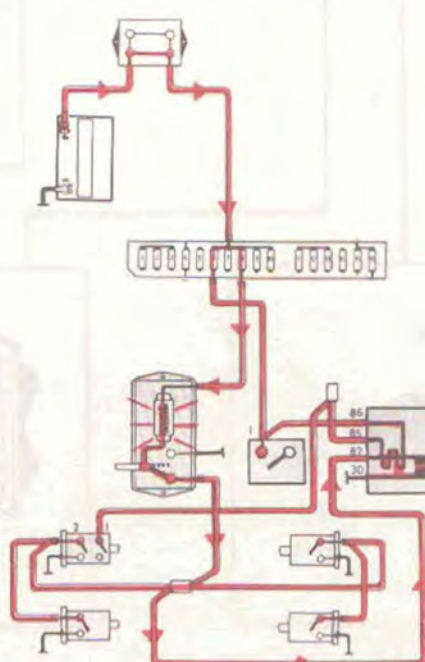
Legend:

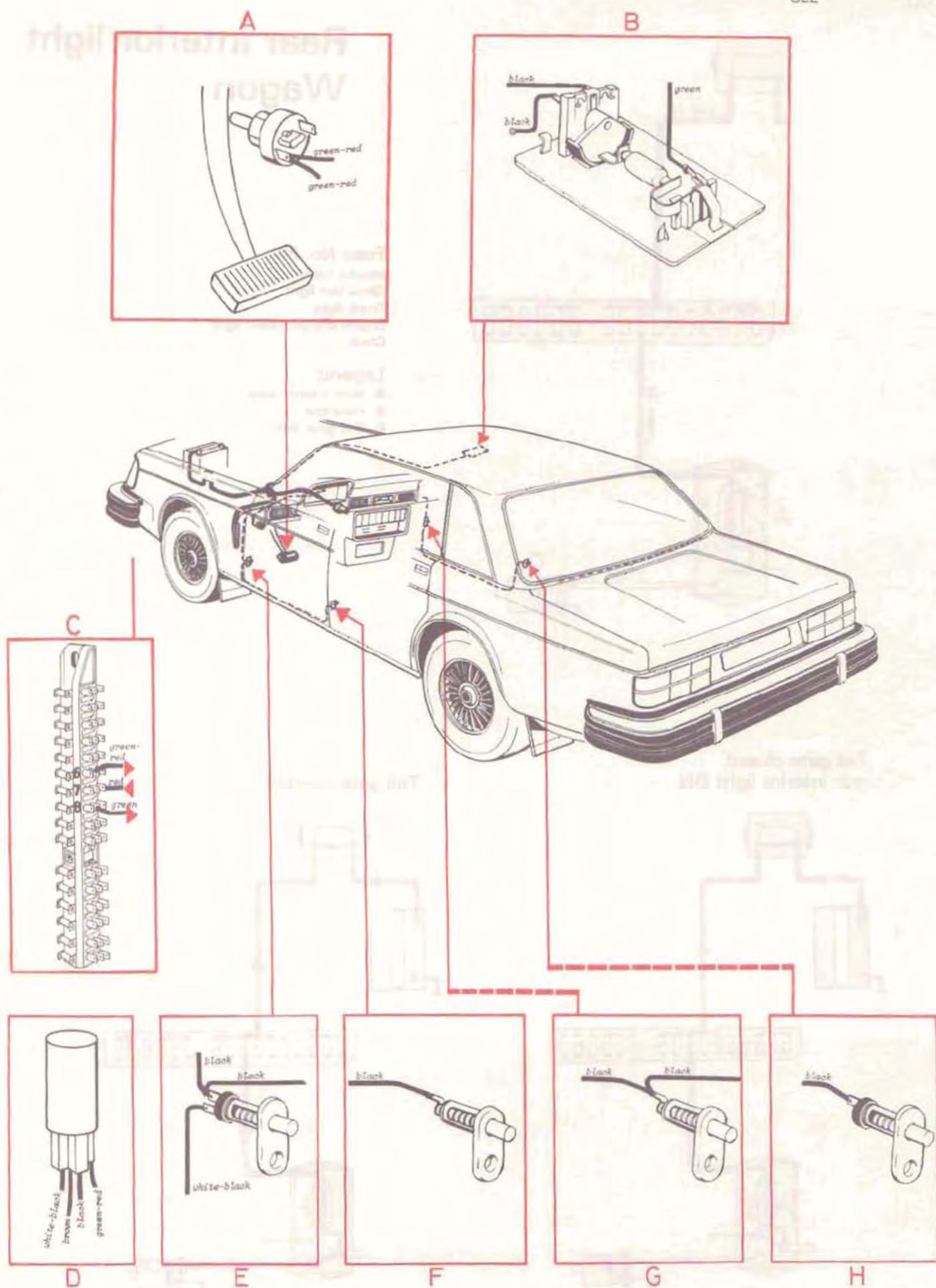
- A Brake light switch
- B Interior light
- C Fuse box
- D Delay relay
- Door switches:
- E Left side, front
- F Left side, rear
- G Right side, front
- H Right side, rear

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

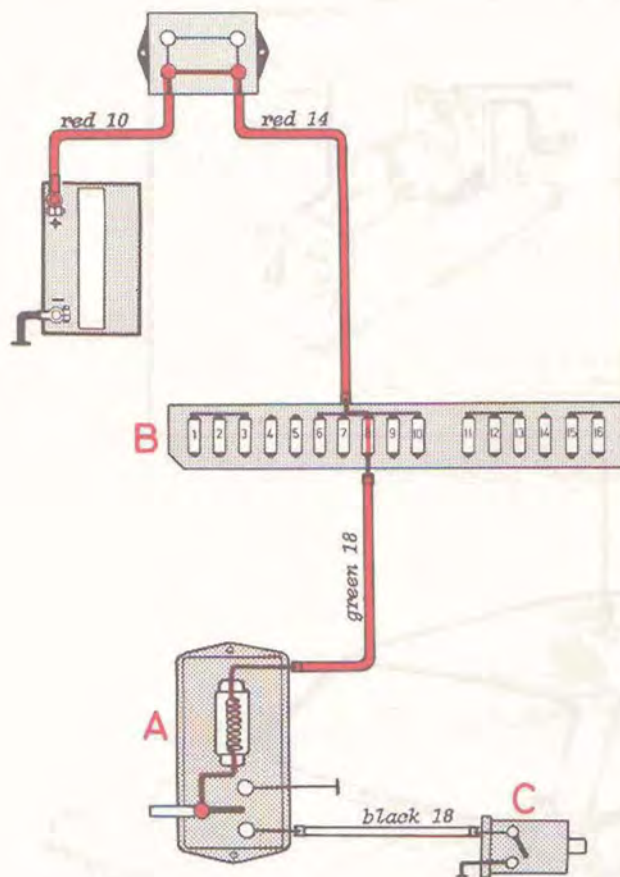


Left side front door closed again.
Interior light will stay on for 10-17 seconds if door was open for minimum 6 seconds.





Rear interior light Wagon



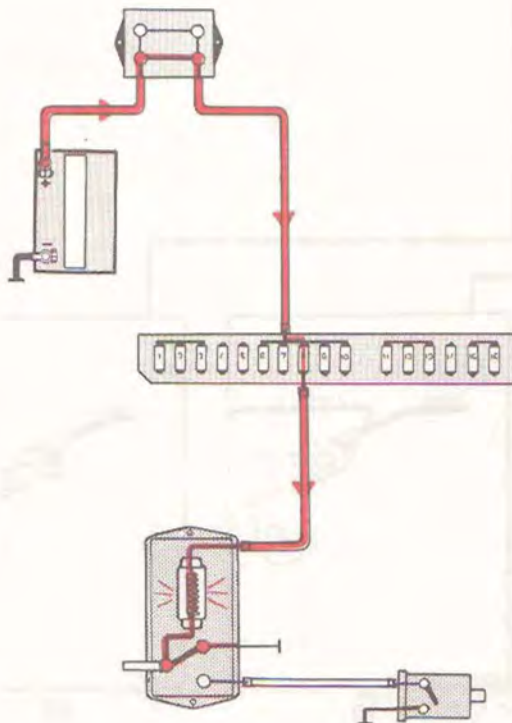
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

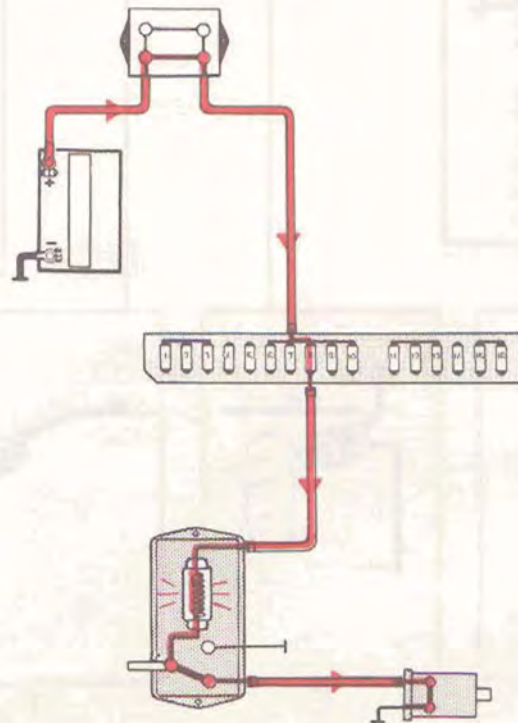
Legend:

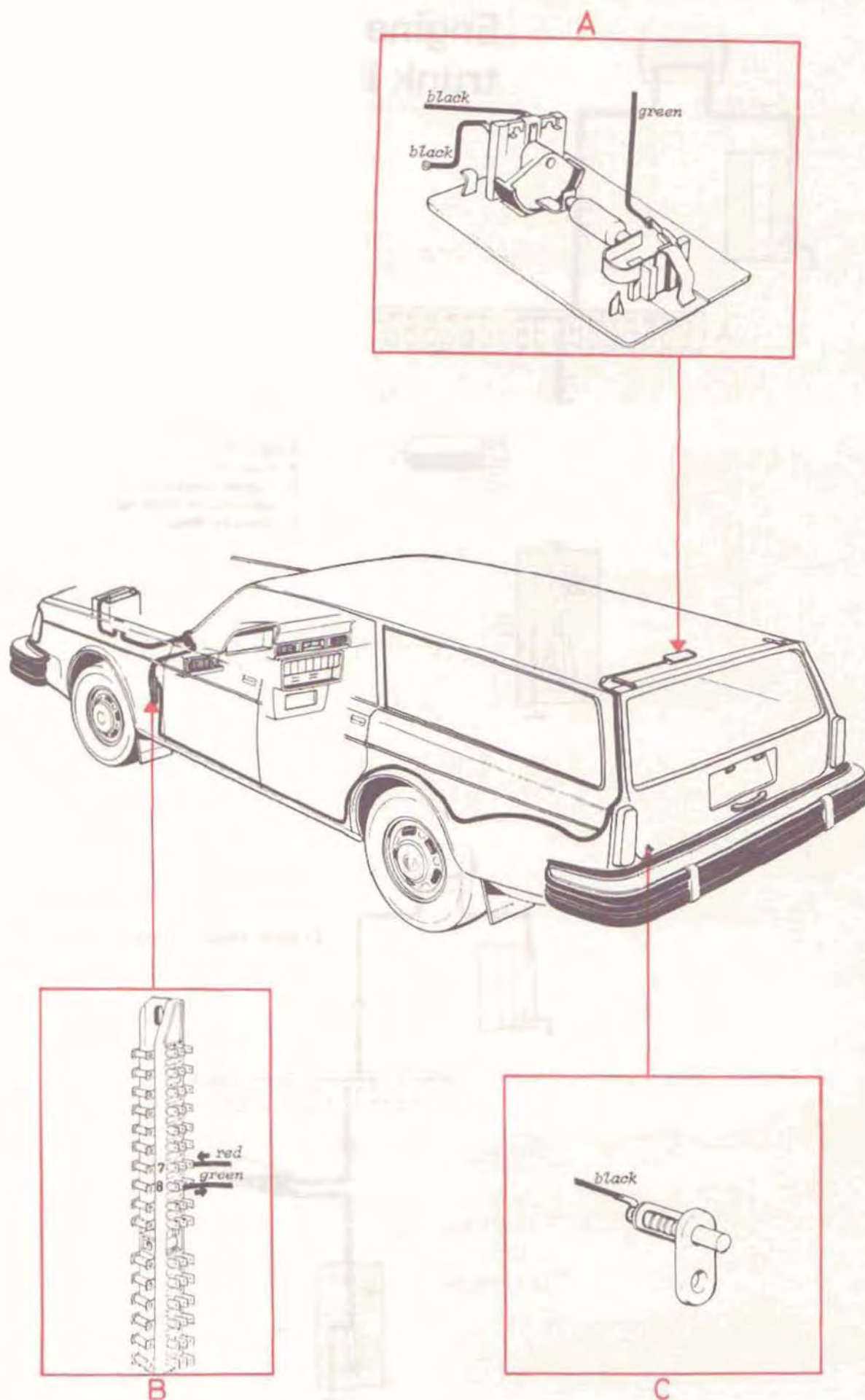
A Rear interior light
B Fuse box
C Tail gate switch

Tail gate closed,
rear interior light ON

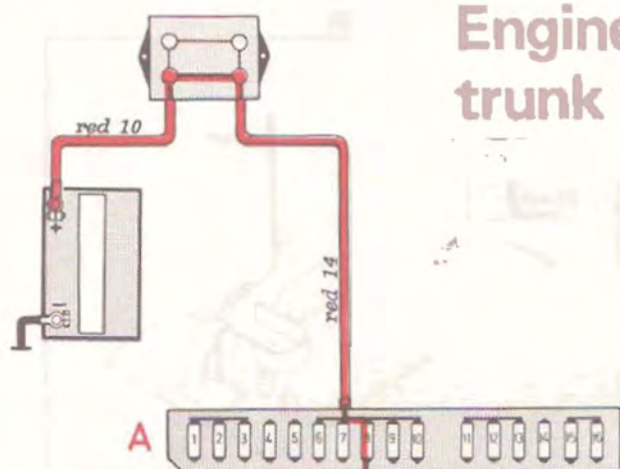


Tail gate opened





Engine compartment light, trunk light

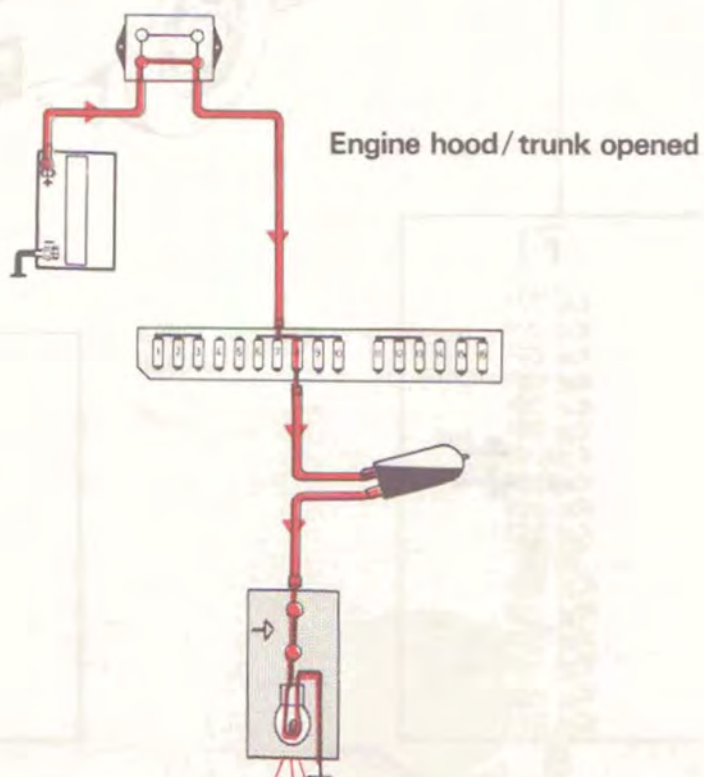


Fuse No. 8:

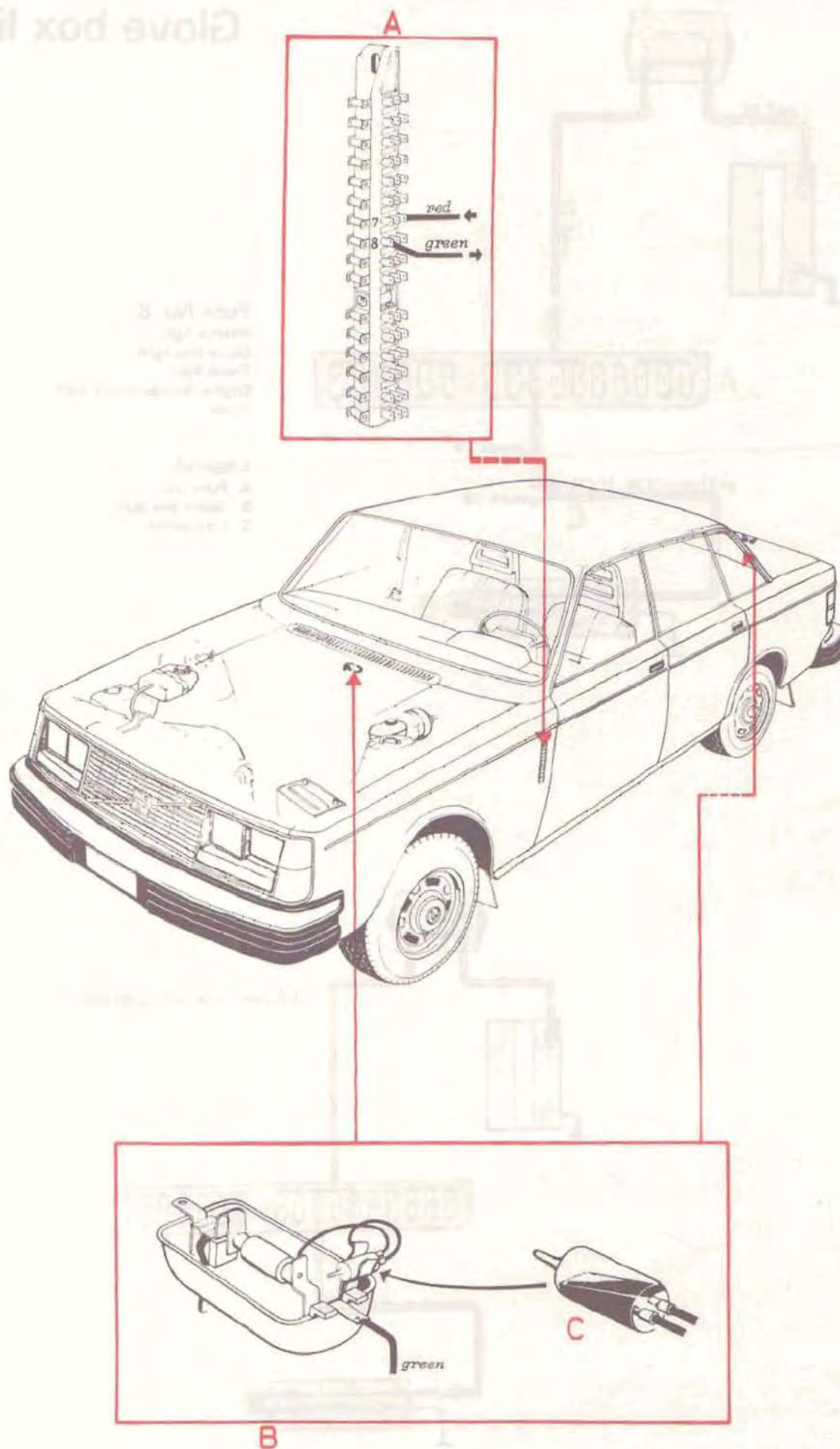
Interior light
Glove box light
Trunk light
Engine compartment light
Clock

Legend:

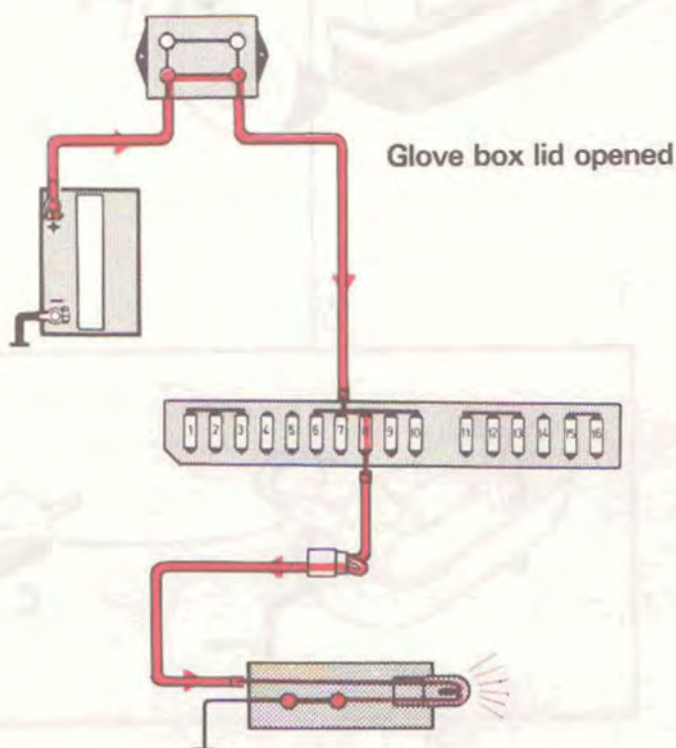
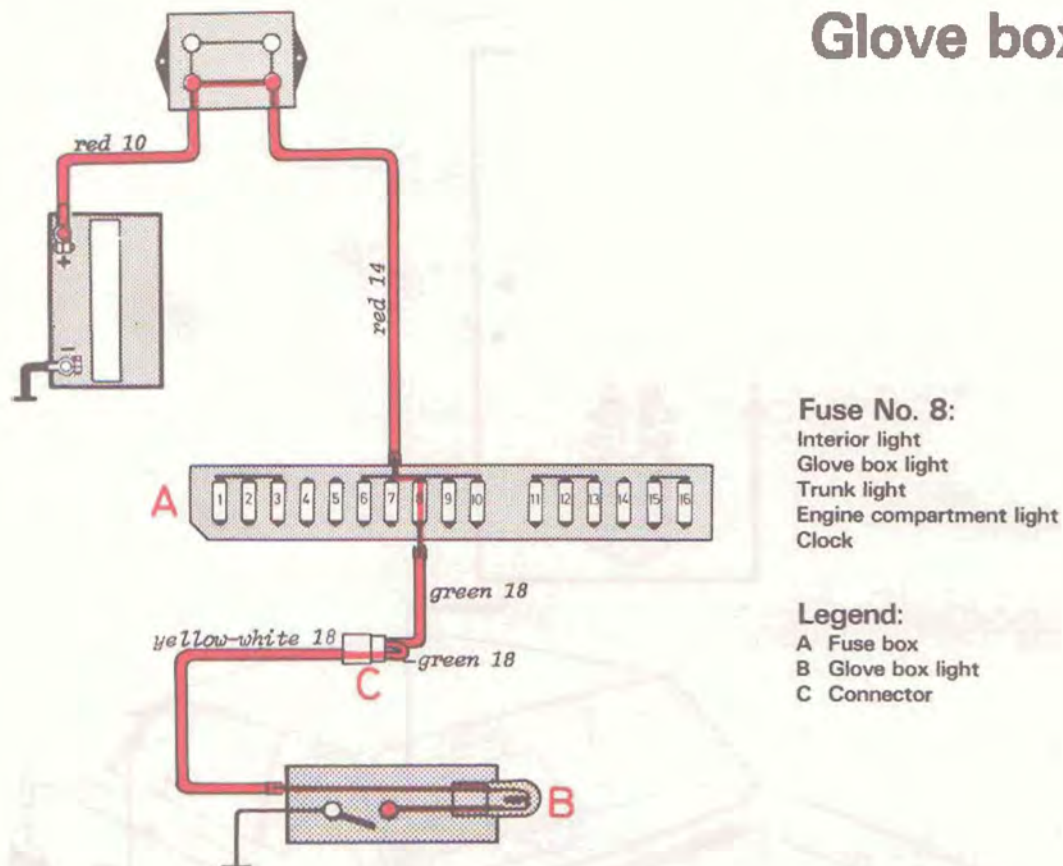
A Fuse box
B Engine compartment
light and/or trunk light
C Mercury switch

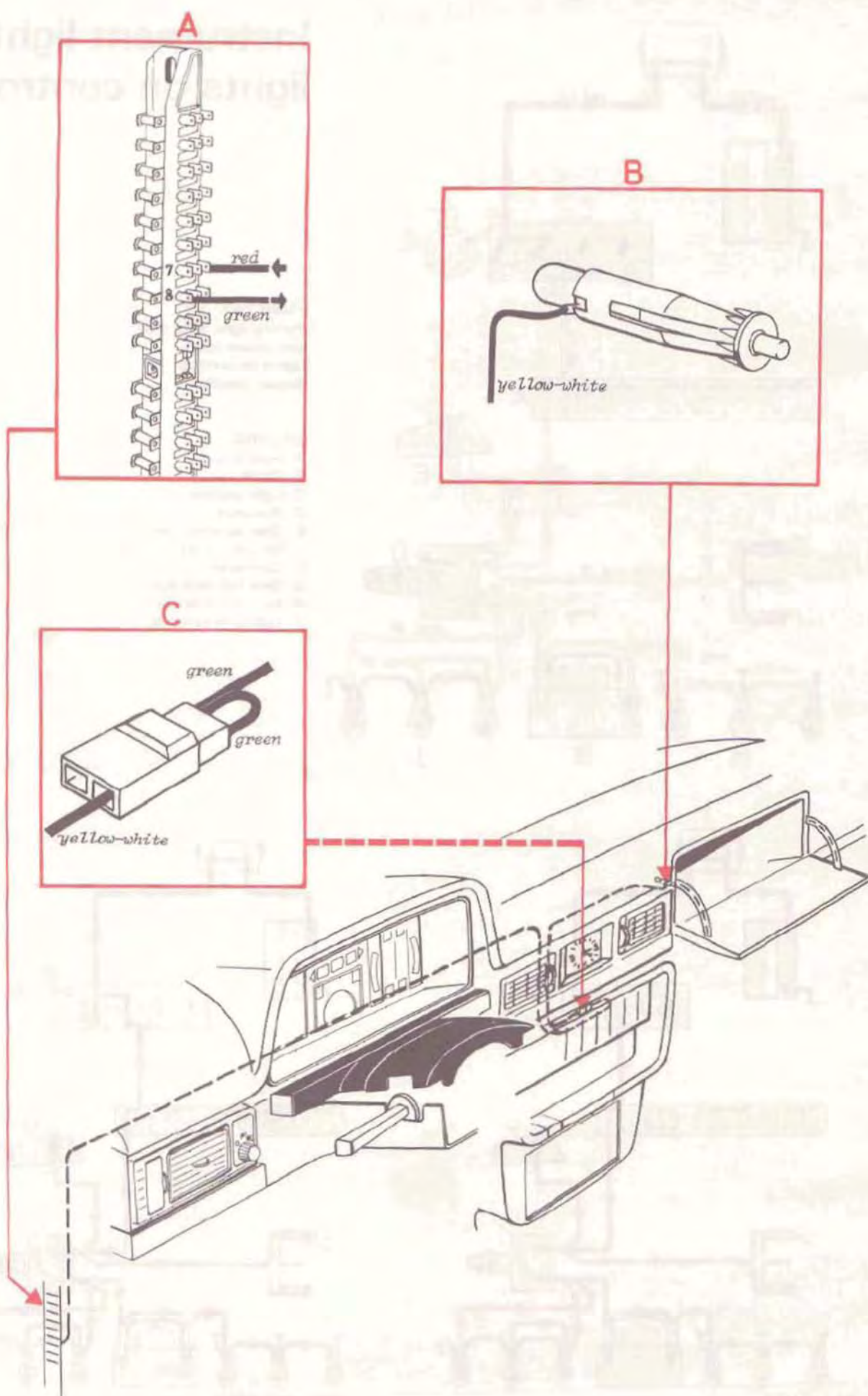


Engine compartment light,
trunk light

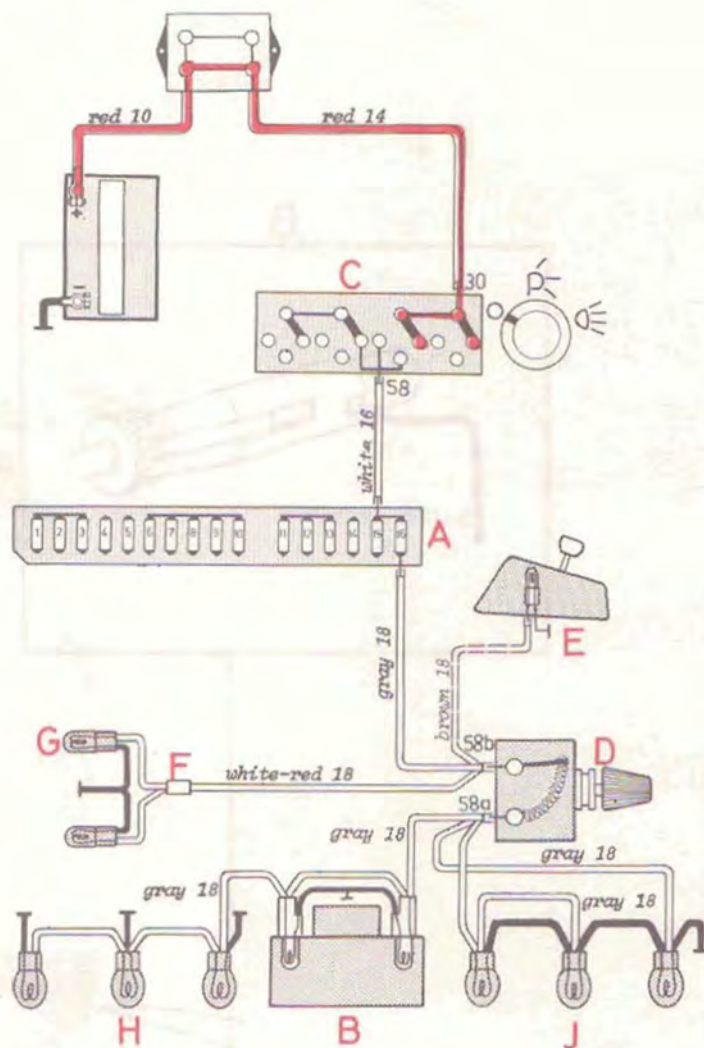


Glove box light





Instrument lights, lights on controls

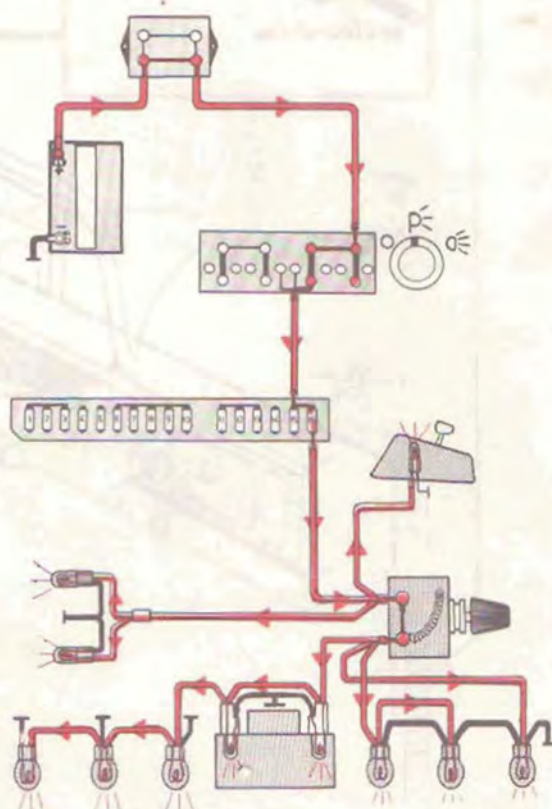
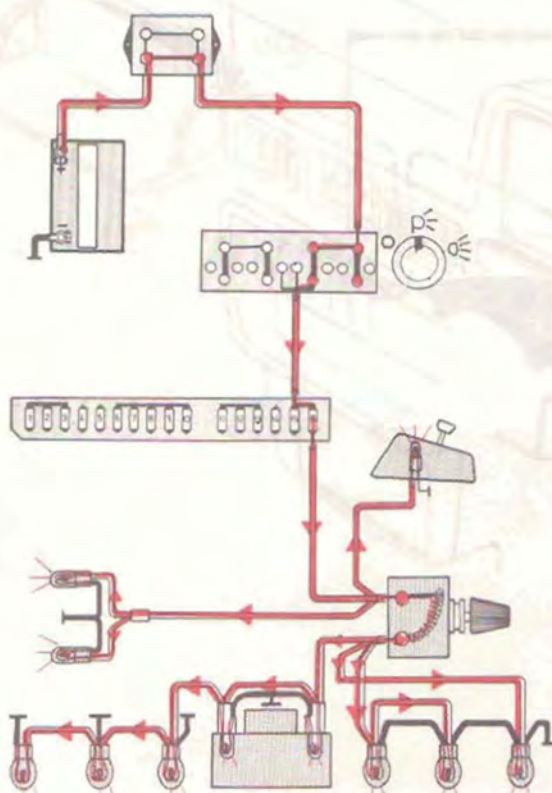


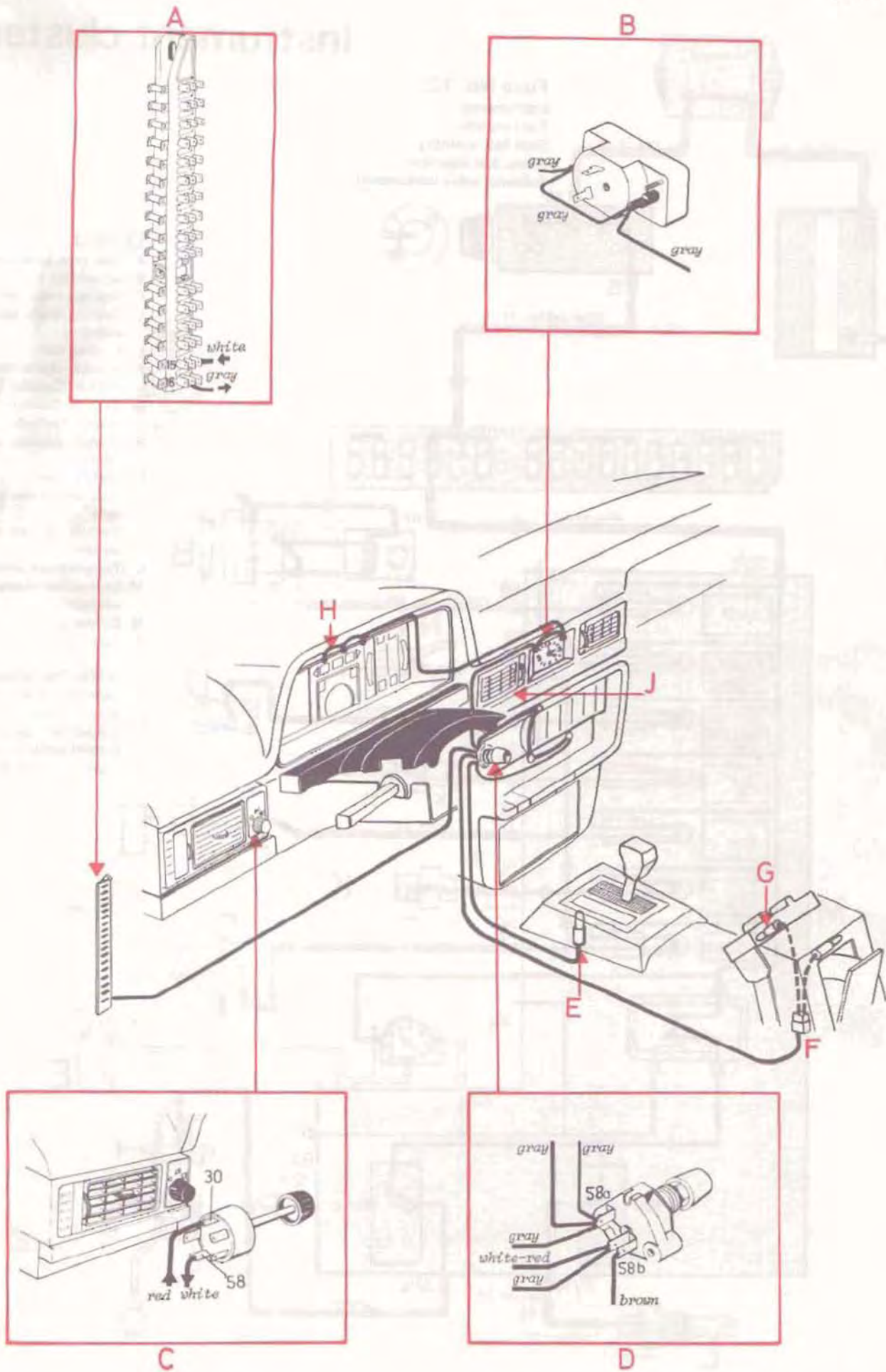
Fuse No. 16:

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

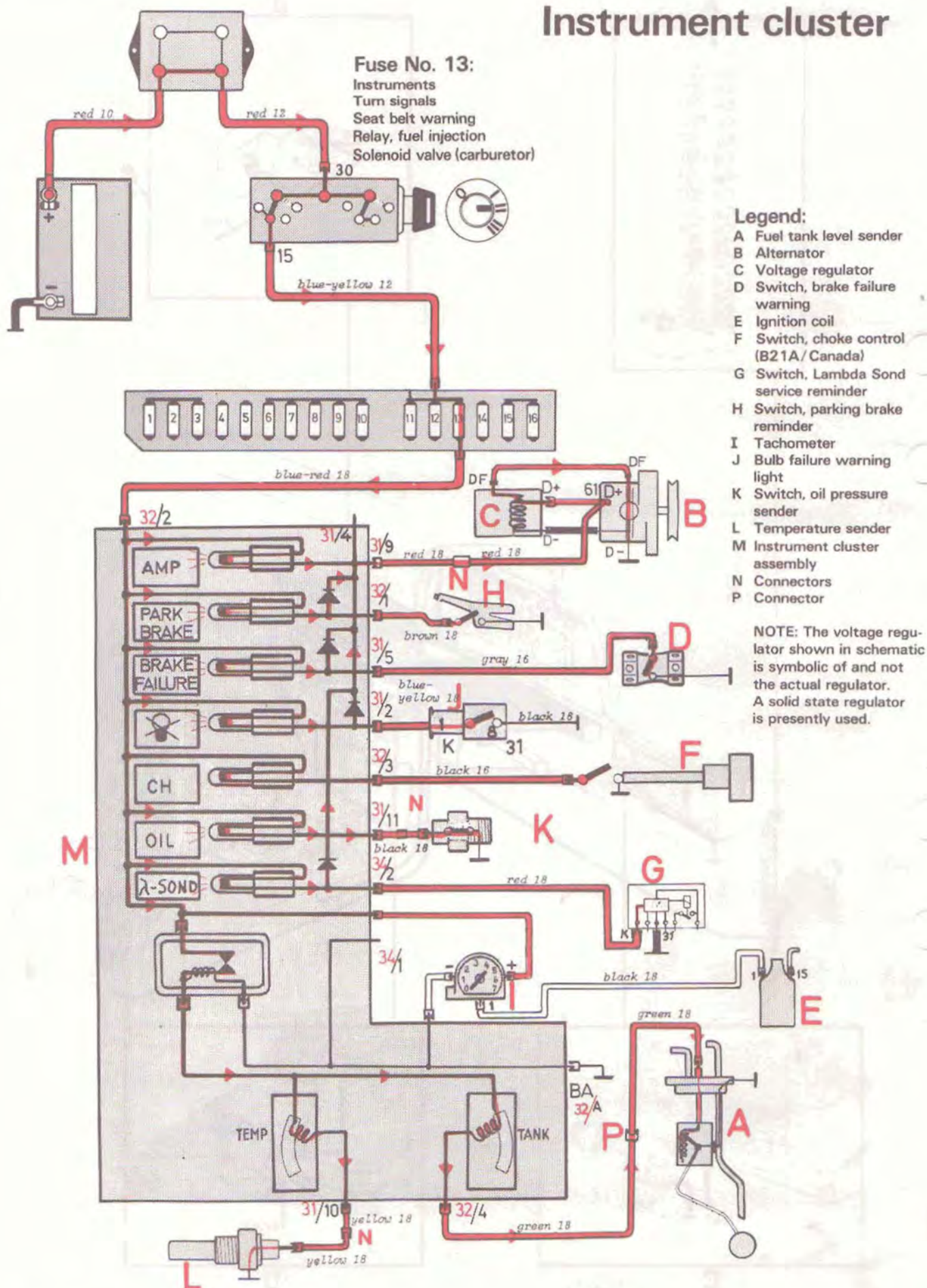
Legend:

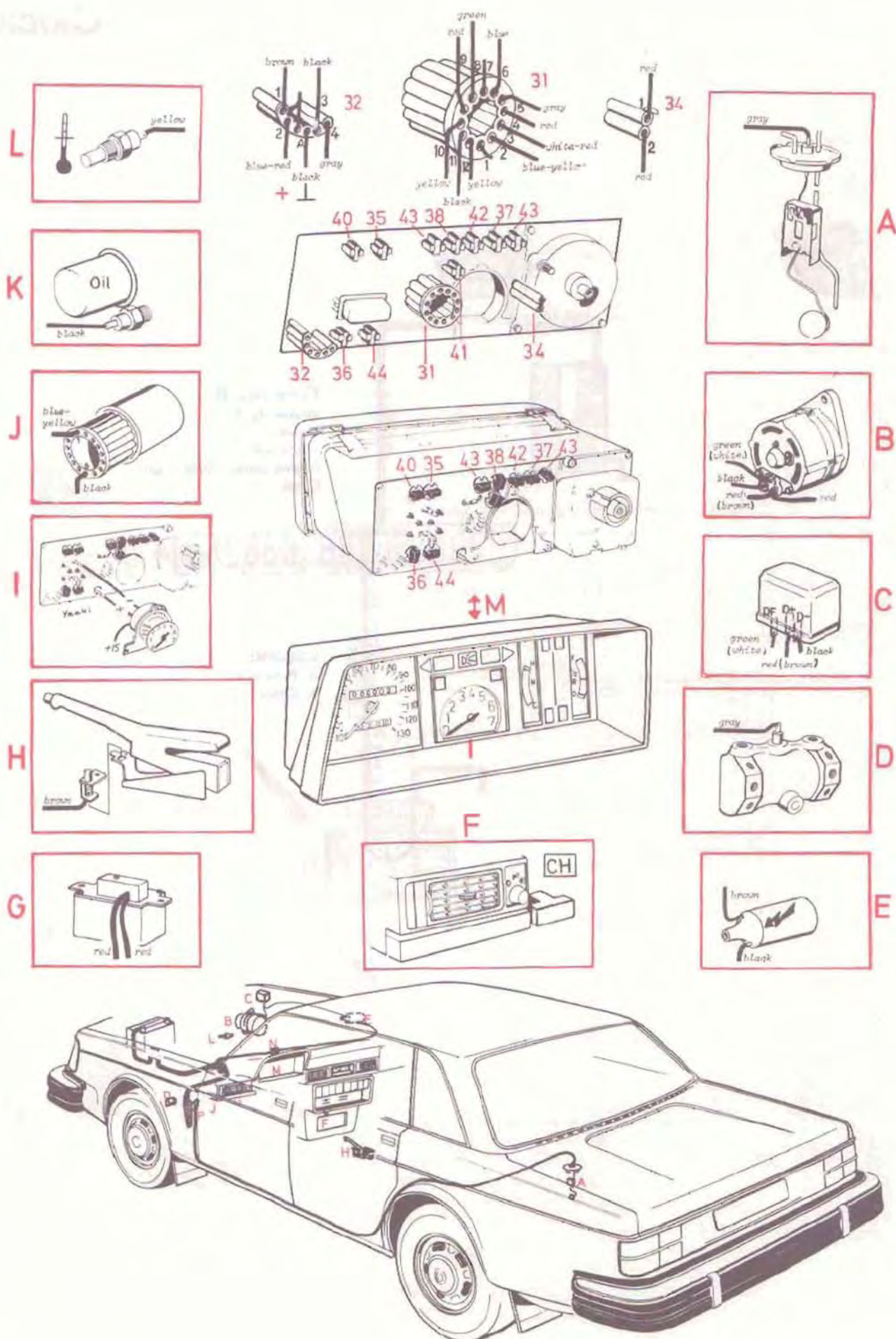
- A Fuse box
- B Clock
- C Light switch
- D Rheostat
- E Gear selector light
(automatic transmission)
- F Connector
- G Seat belt lock light
- H Instrument lights
- J Lights on controls

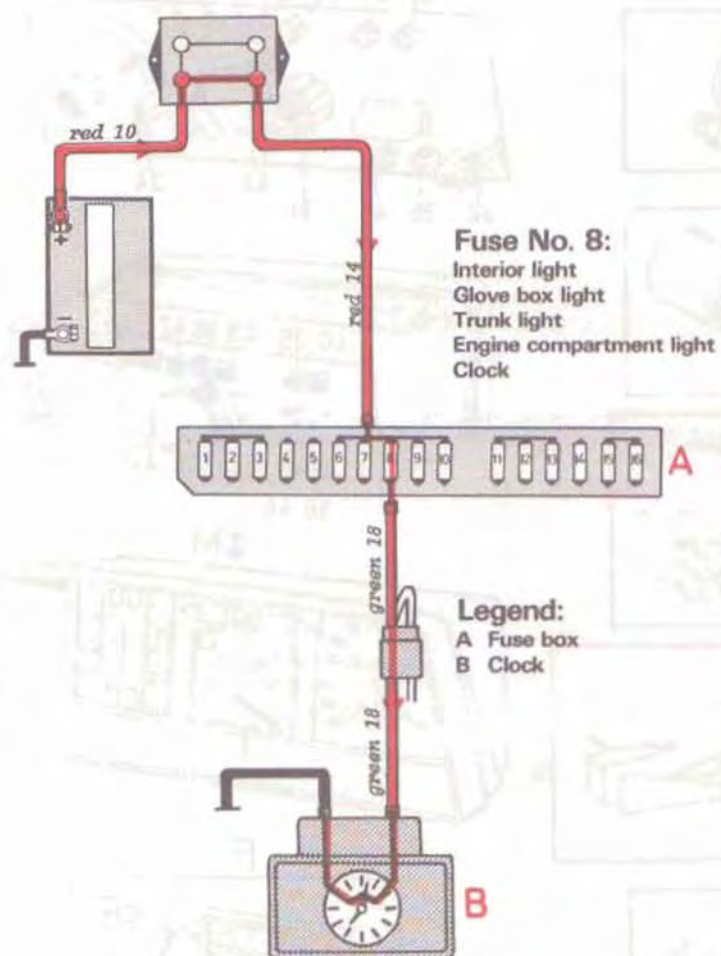


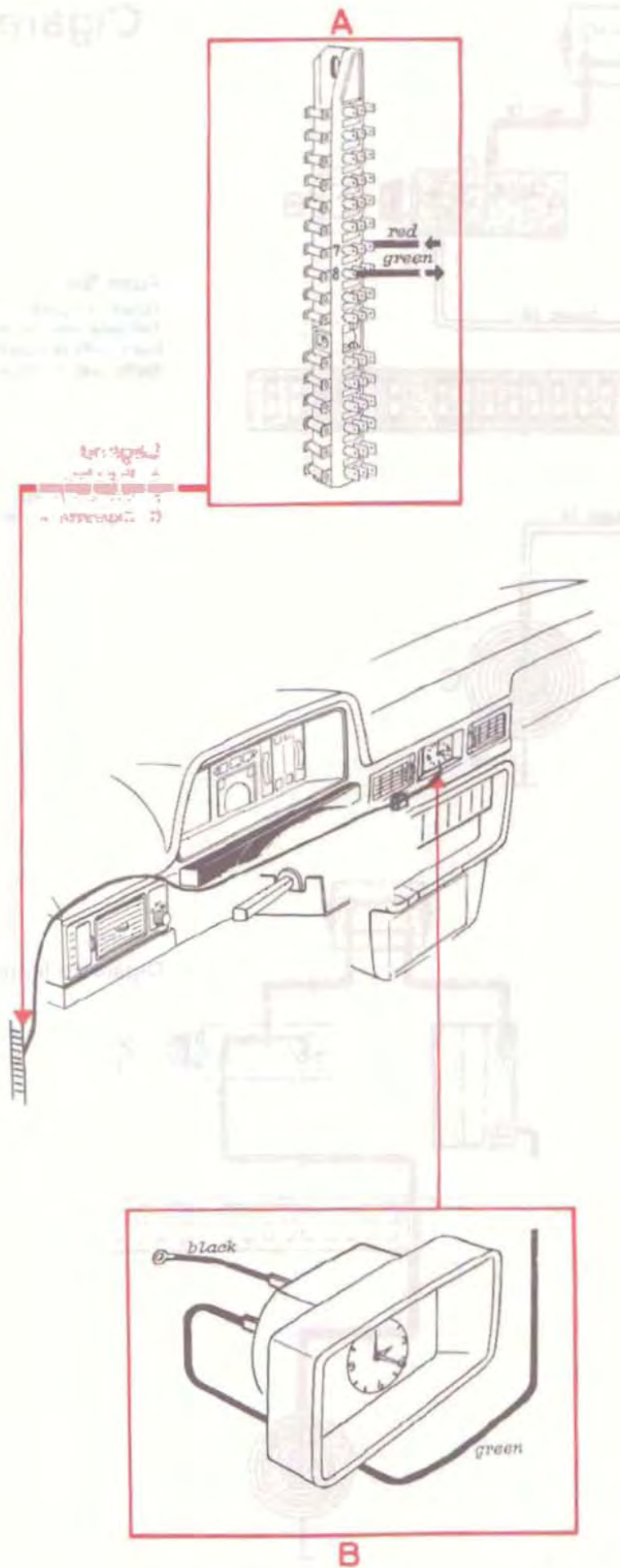


Instrument cluster

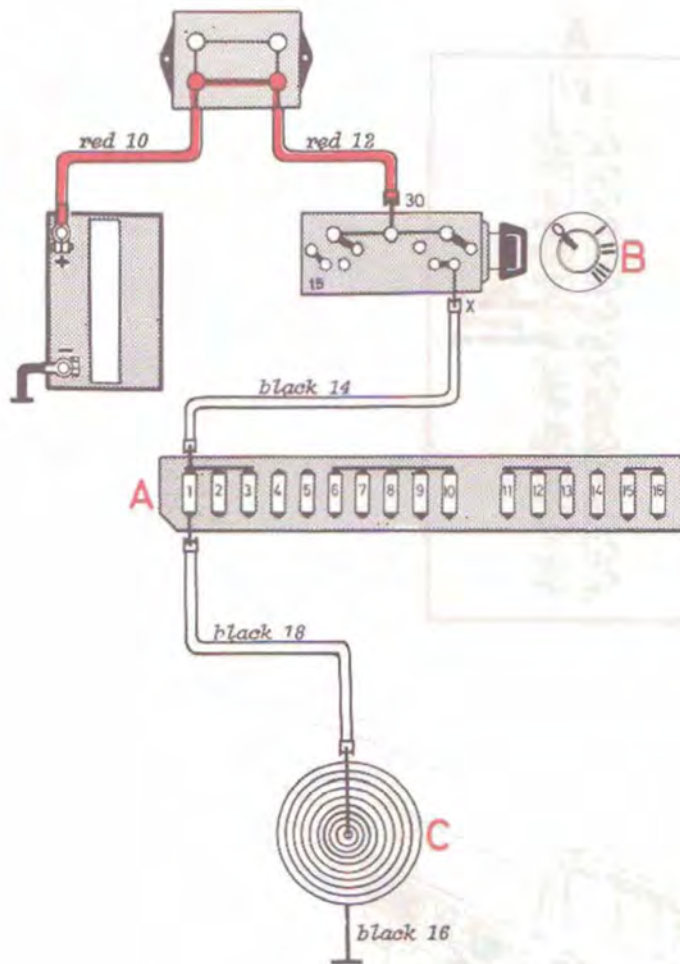








Cigarette lighter



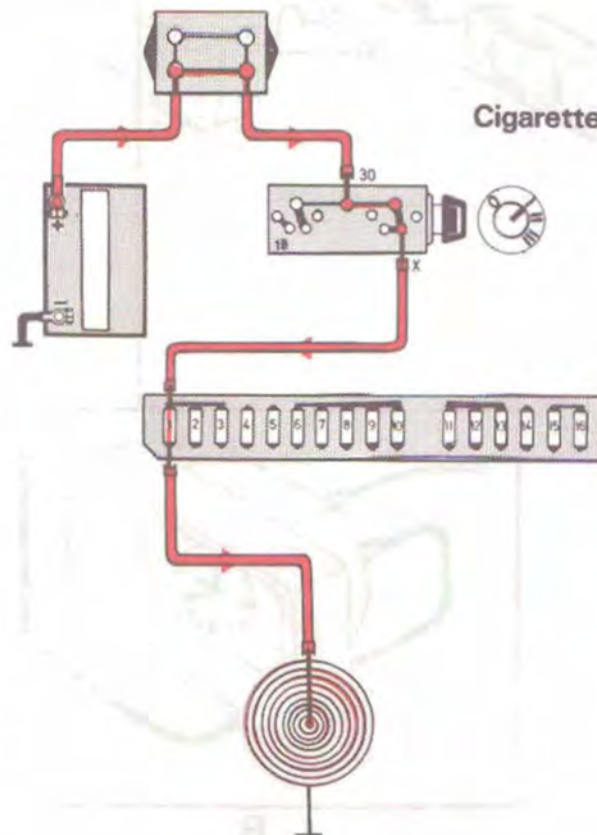
Fuse No. 1:

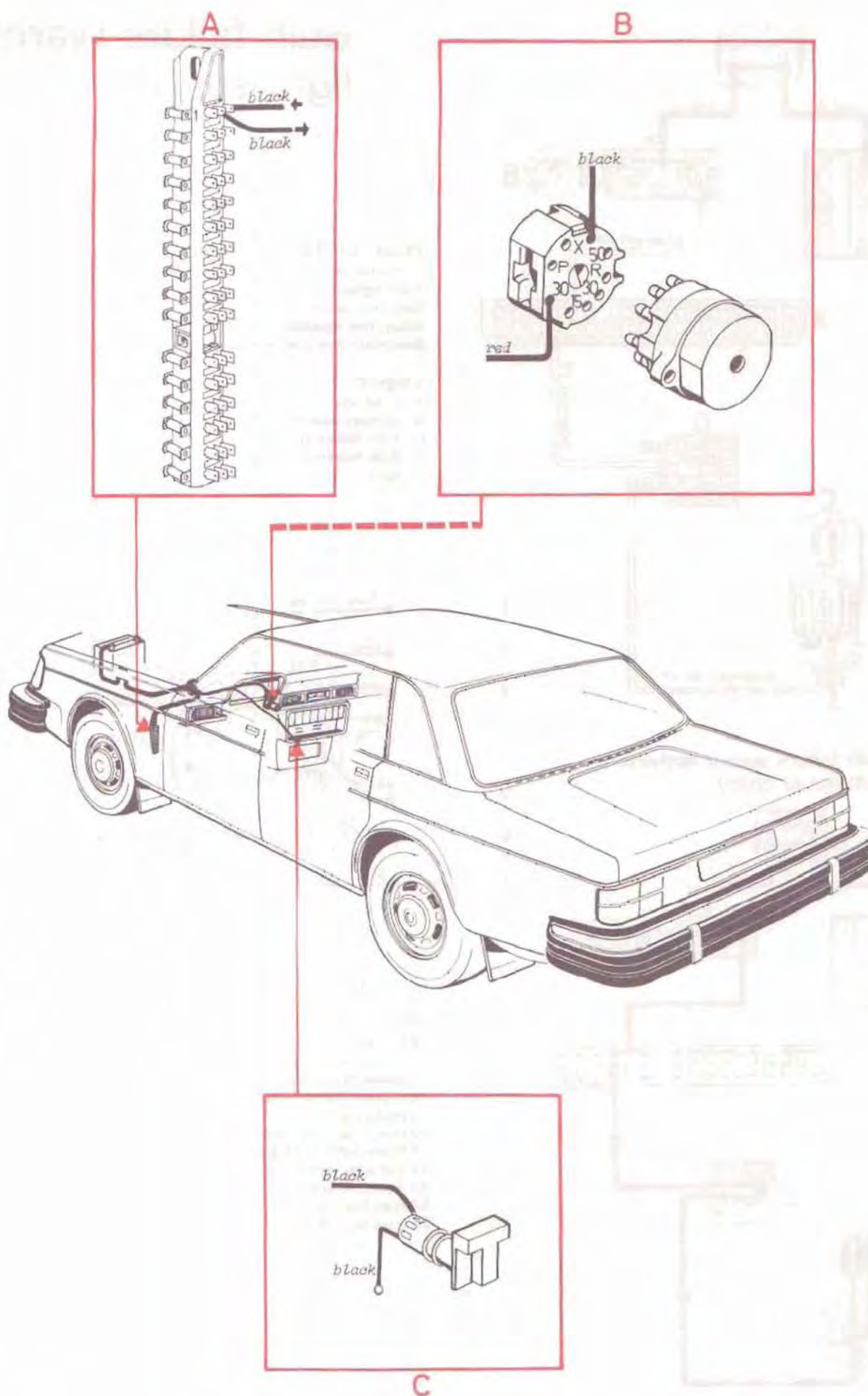
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)

Legend:

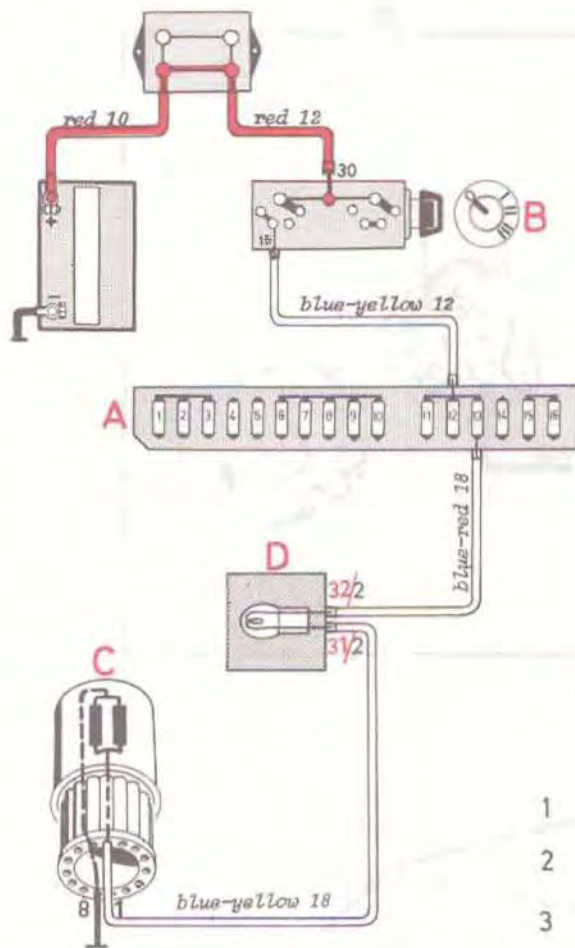
A Fuse box
B Ignition switch
C Cigarette lighter

Cigarette lighter ON.





Bulb failure warning light system



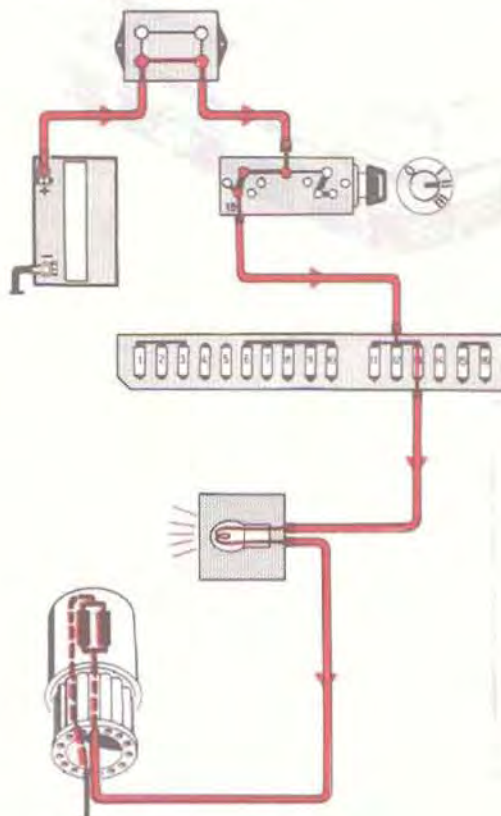
Fuse No. 13:

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

Legend:

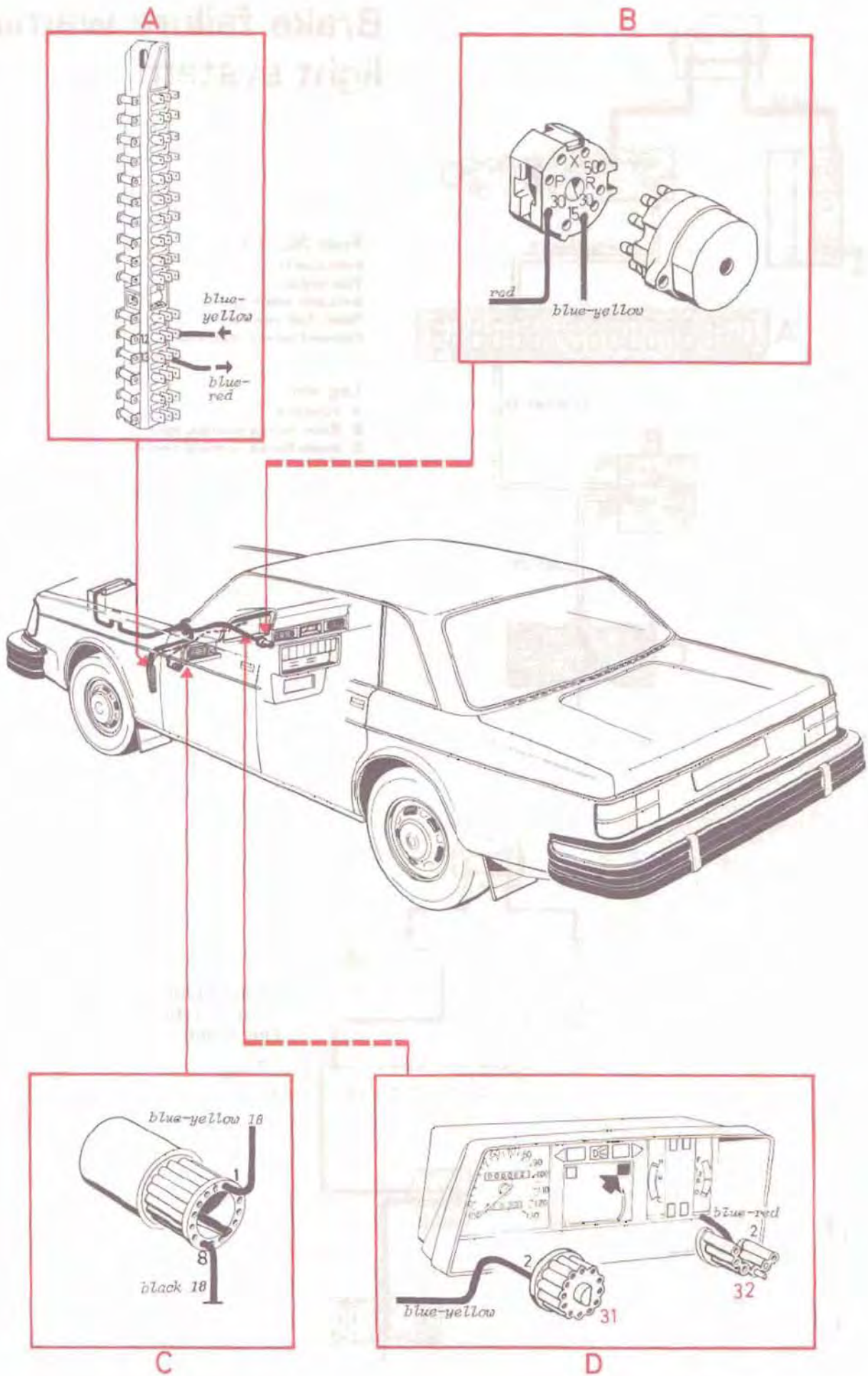
A Fuse box
B Ignition switch
C Bulb failure sensor
D Bulb failure warning light

Bulb failure sensor activated (bulb out of order)

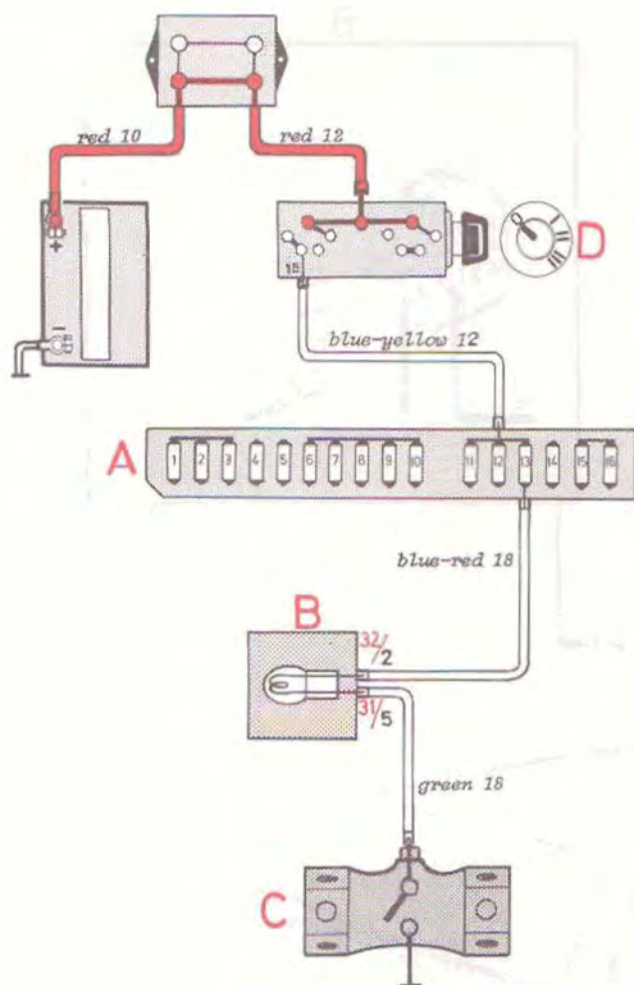


Connections

- 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

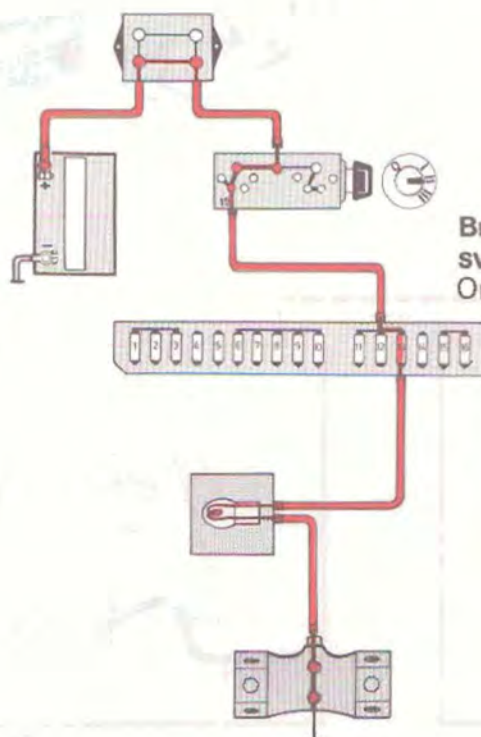


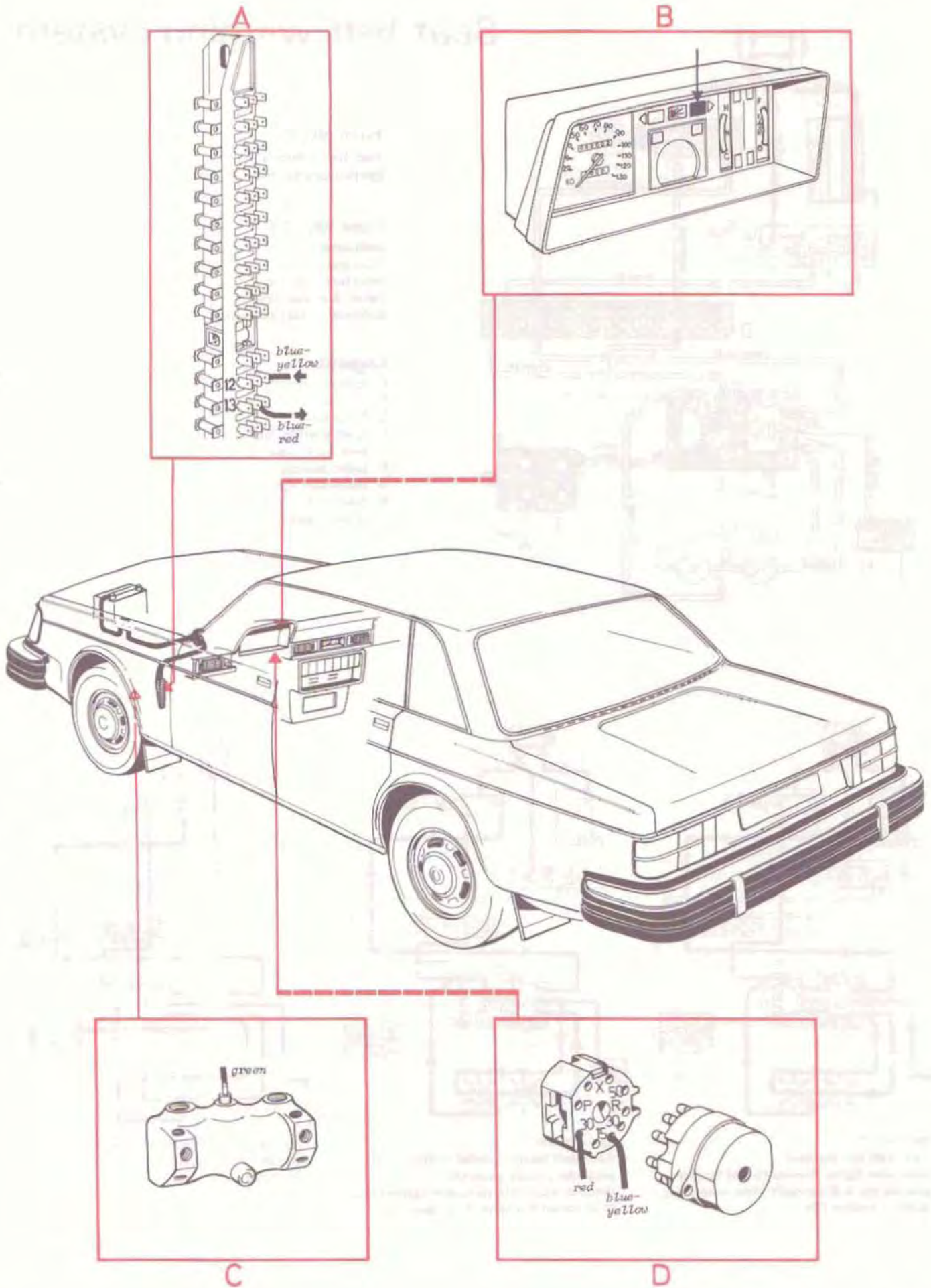
Fuse No. 13:

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

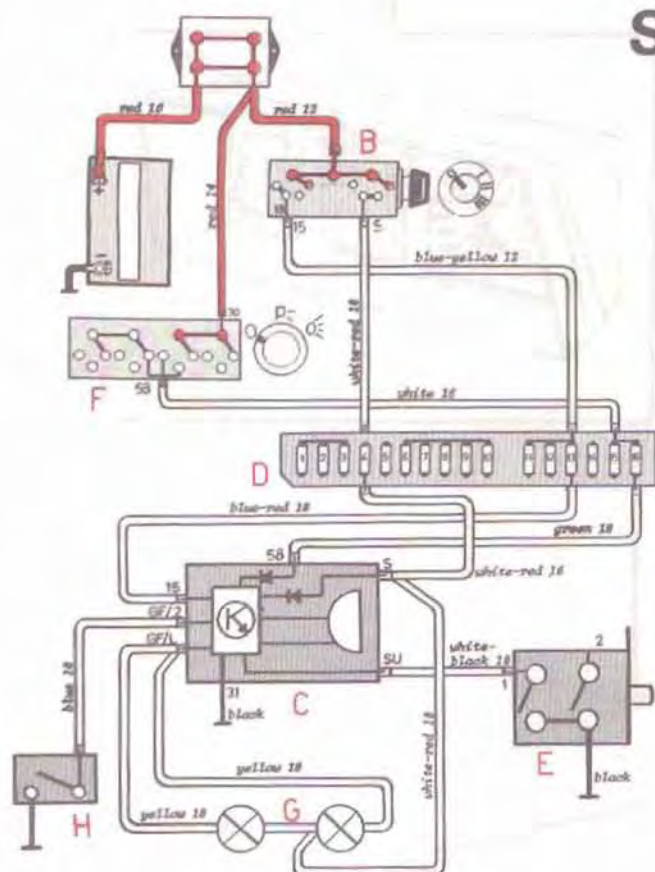
Legend:

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





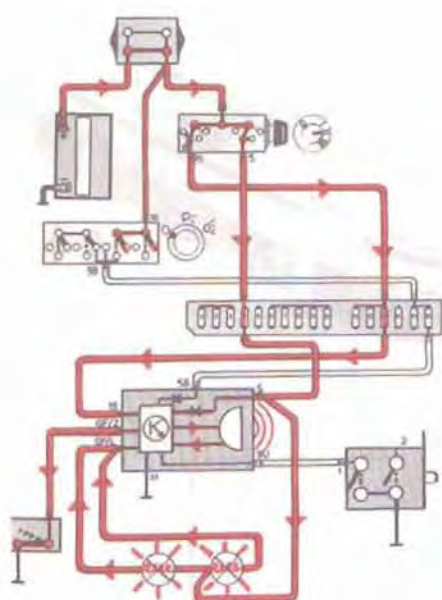
Seat belt warning system



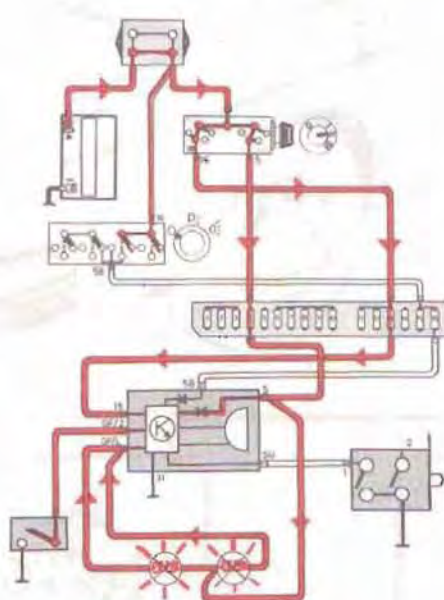
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

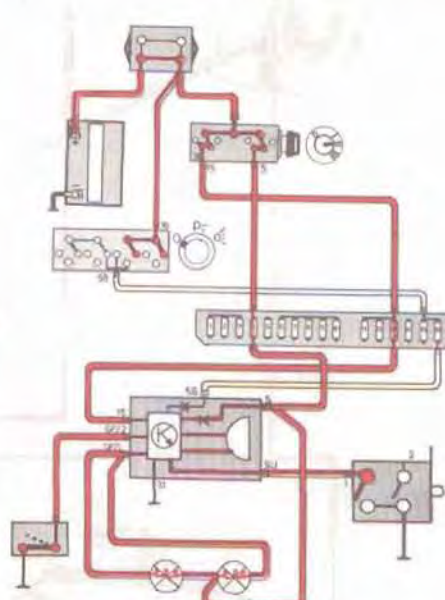
Legend:
B Ignition switch
C Buzzer relay
D Fuse box
E Door switch, left
side front door
F Light switch
G Reminder lights
H Switch for seat belt,
driver's seat



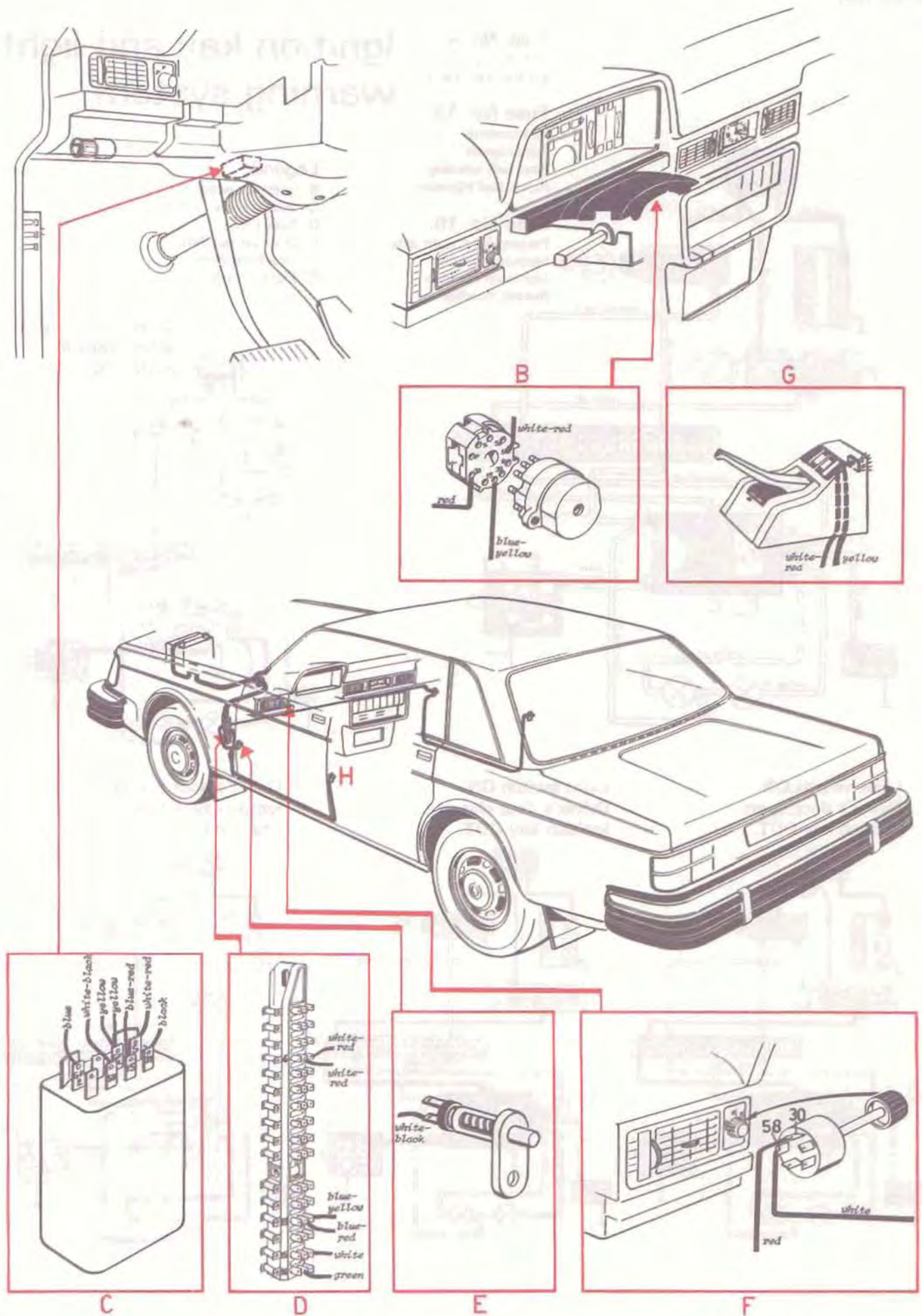
Ignition ON
Seat belt not buckled.
Reminder lights illuminate and buzzer
sounds for 4-8 seconds after switching
ignition switch ON.



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

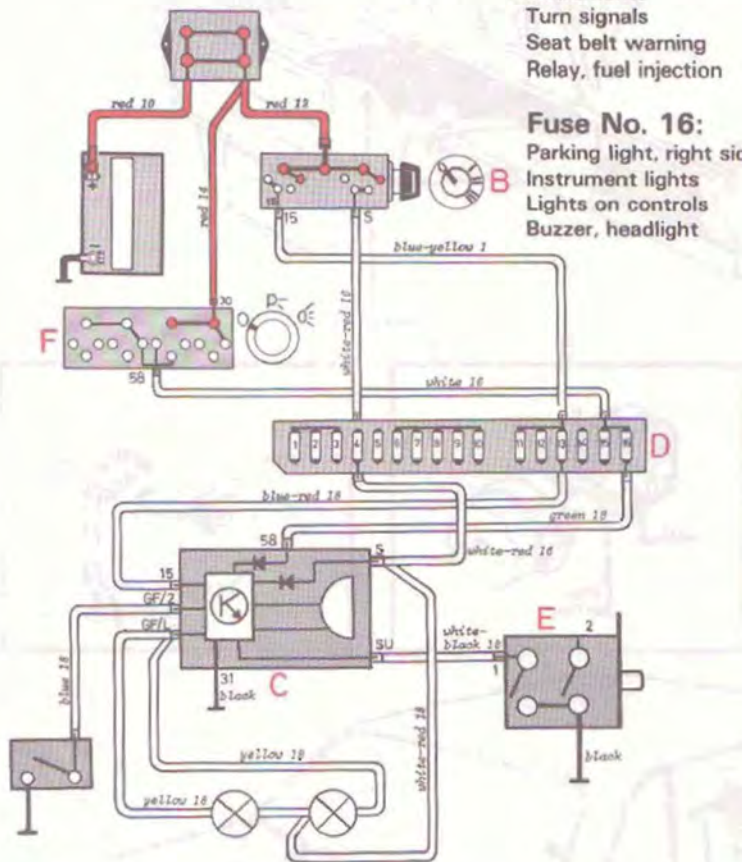
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

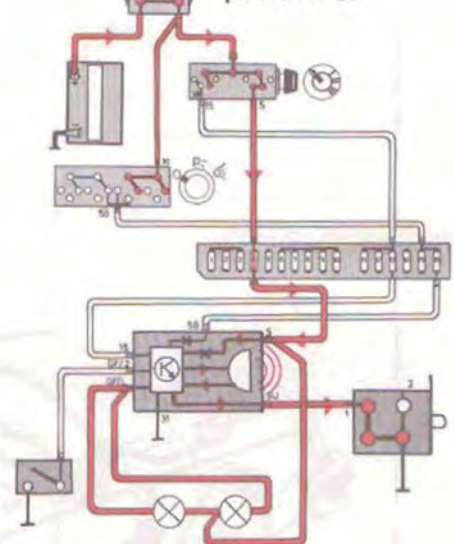
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

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



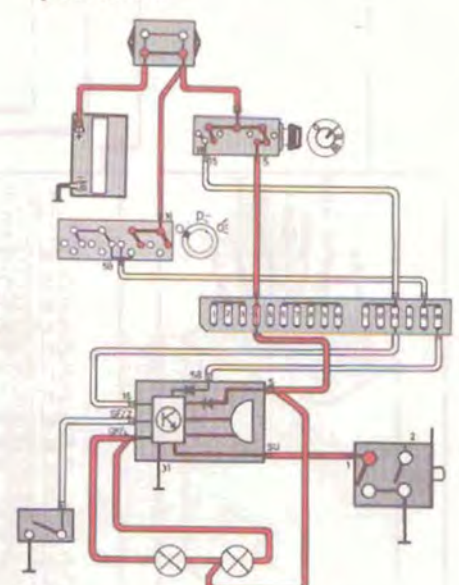
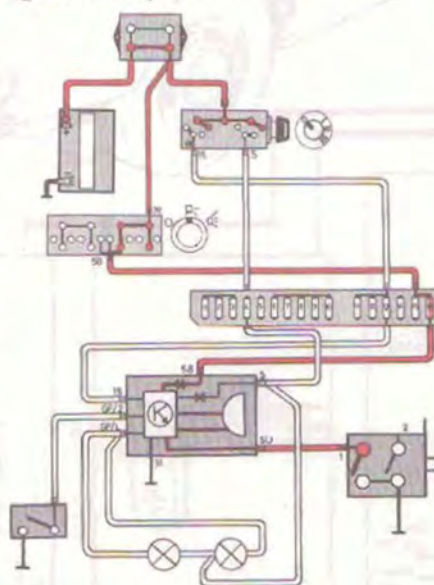
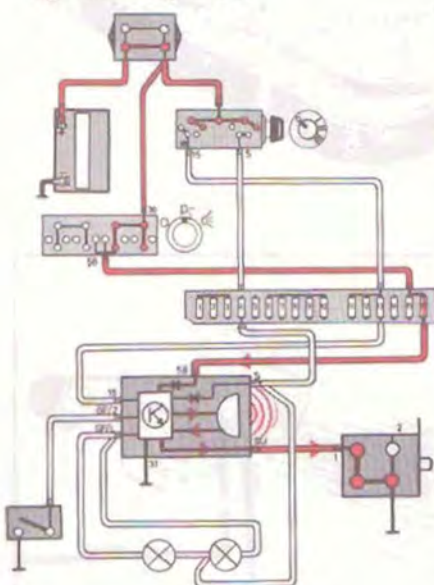
Driver's door open.
Ignition key in
position 0.



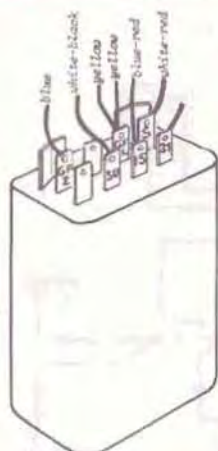
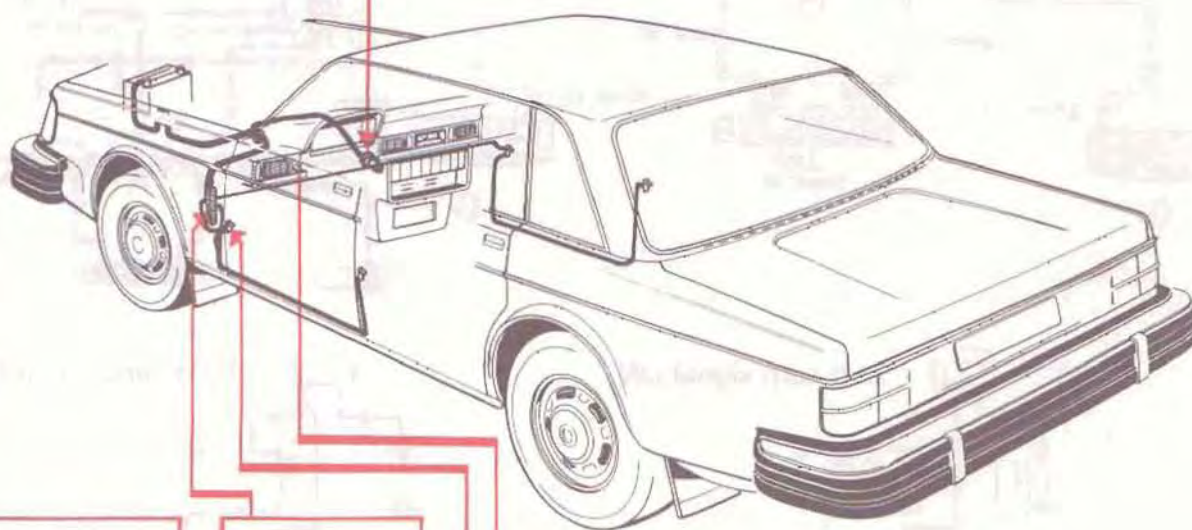
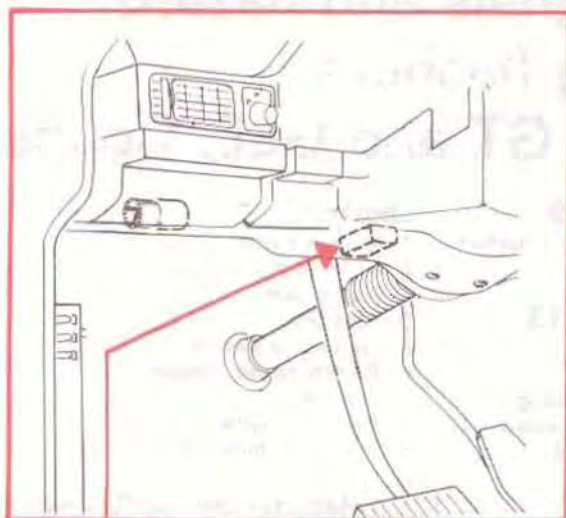
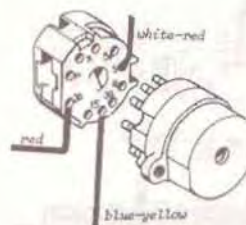
Light switch ON.
Driver's door open.
Ignition key OUT.

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

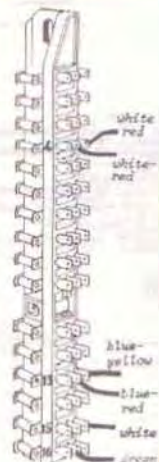
Driver's door closed.
Ignition switch in
position 1.



B



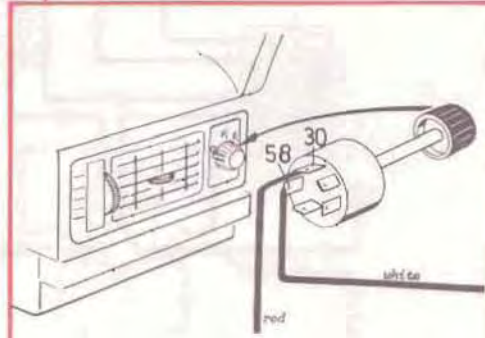
C



D

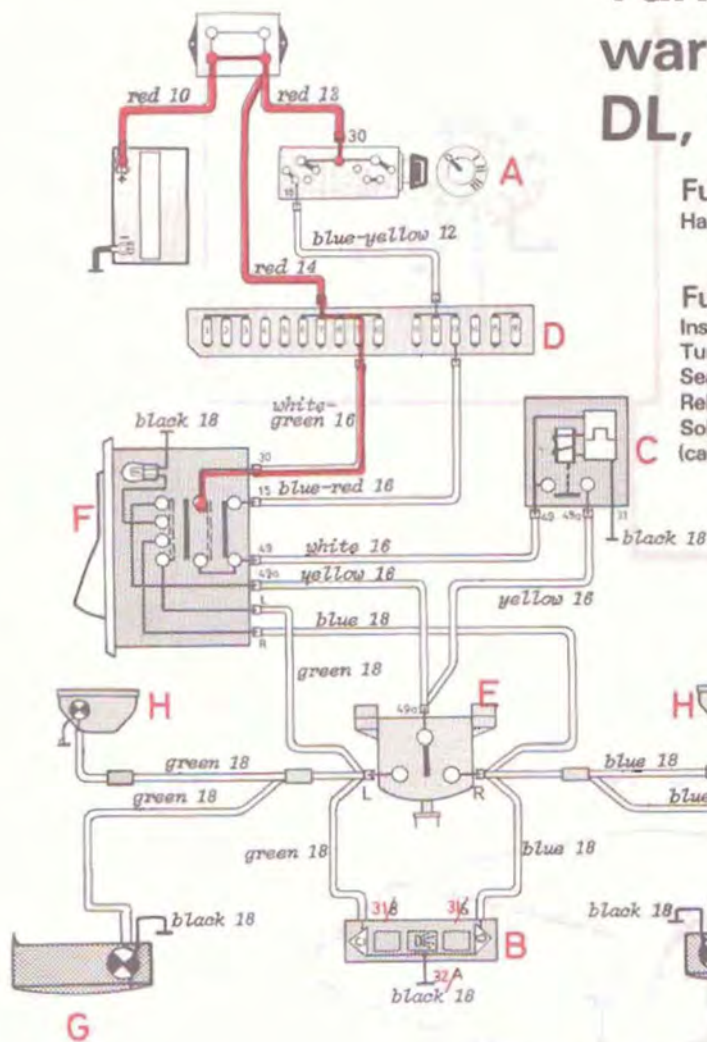


E



F

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

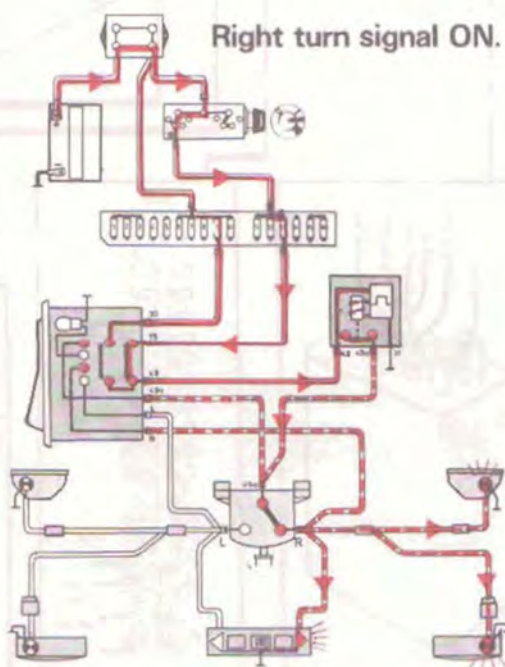
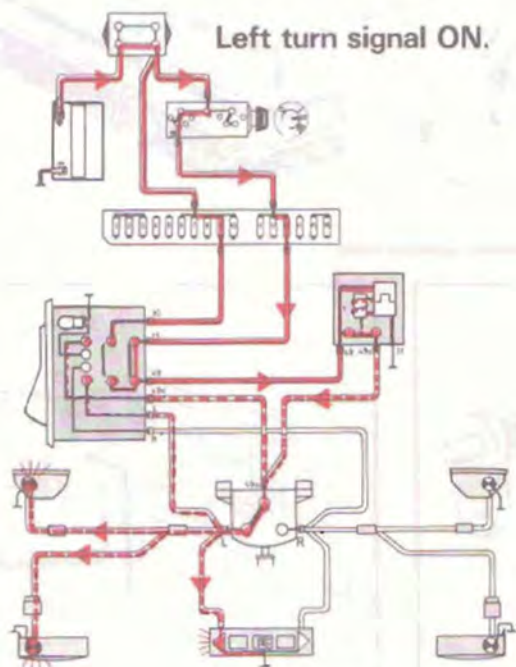
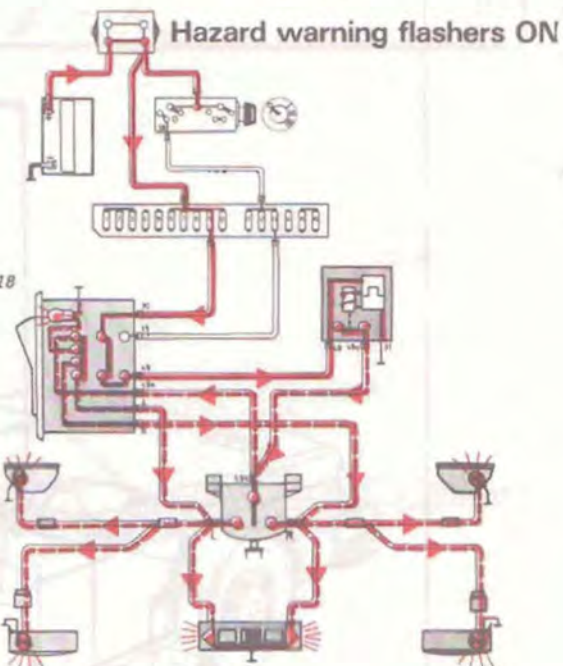


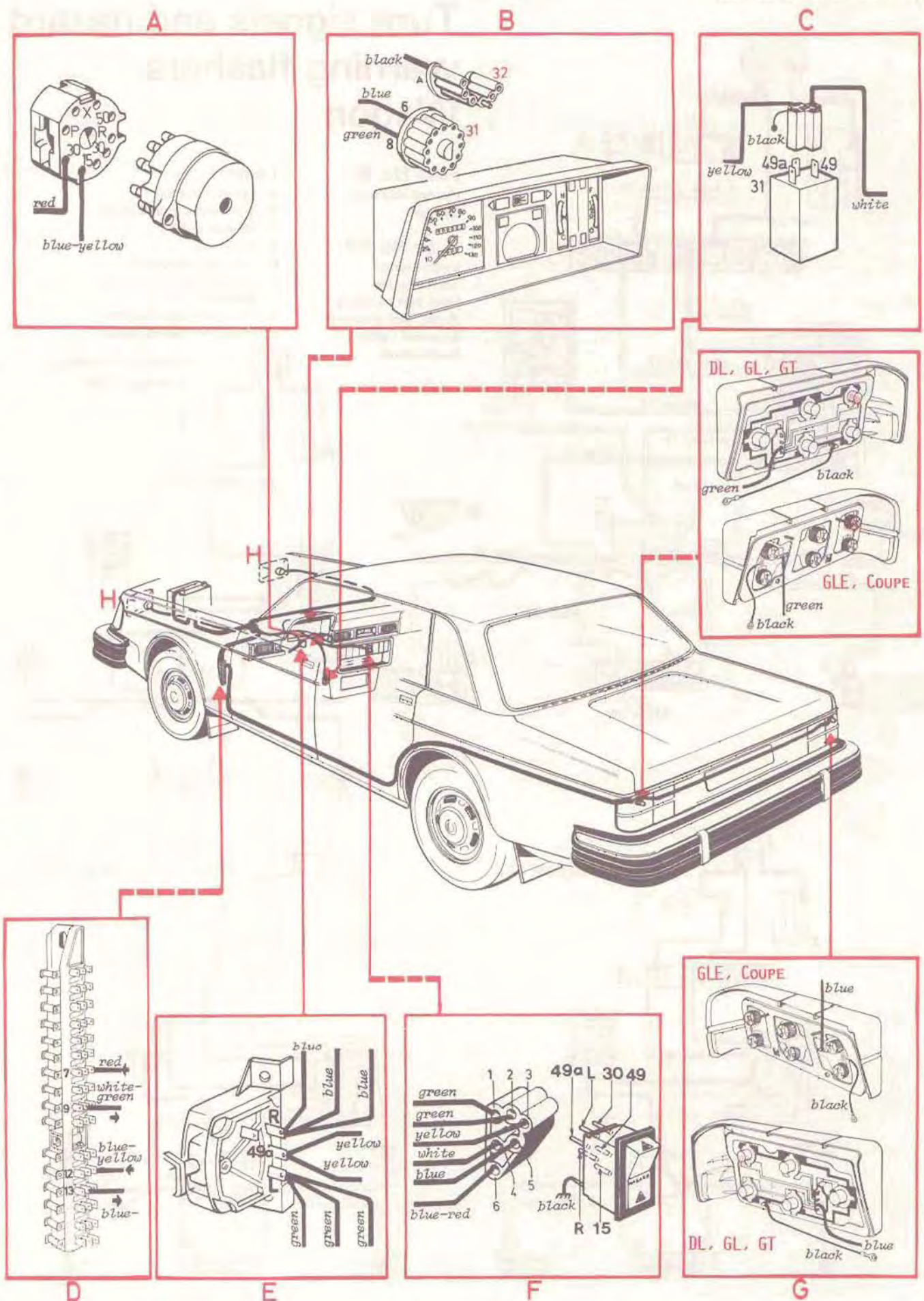
Fuse No. 9:
Hazard warning flashers

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

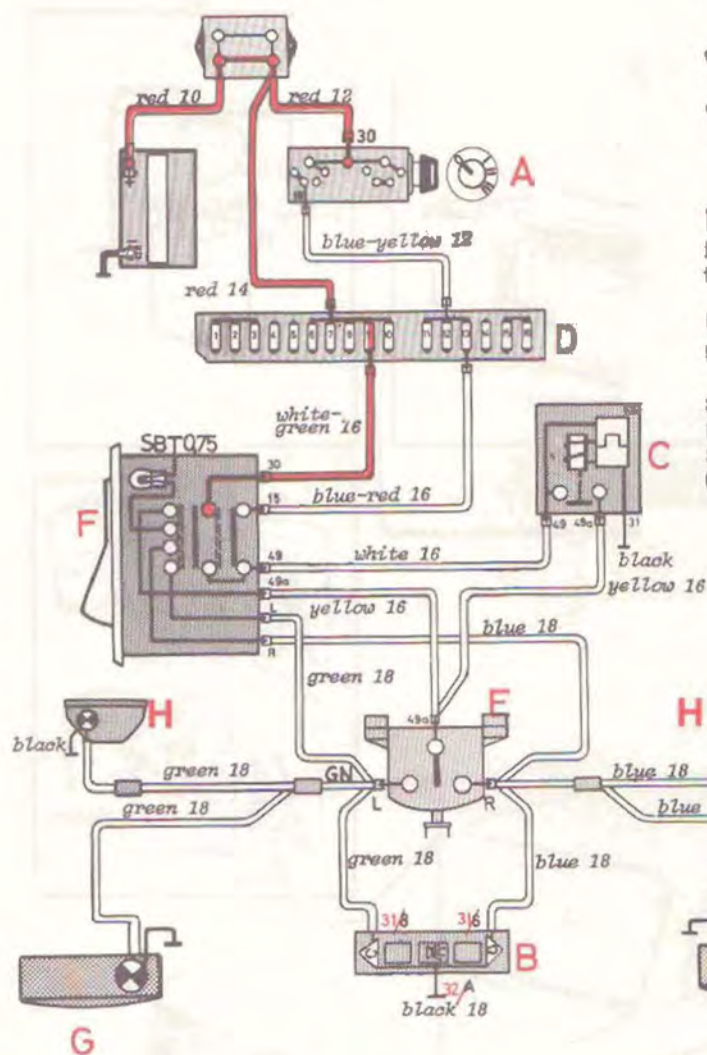
Legend:

- 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



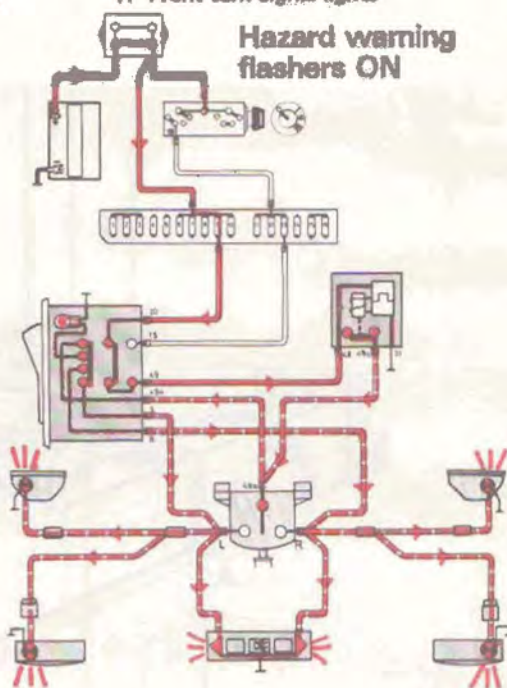
Fuse No. 9:
Hazard warning
flashers

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

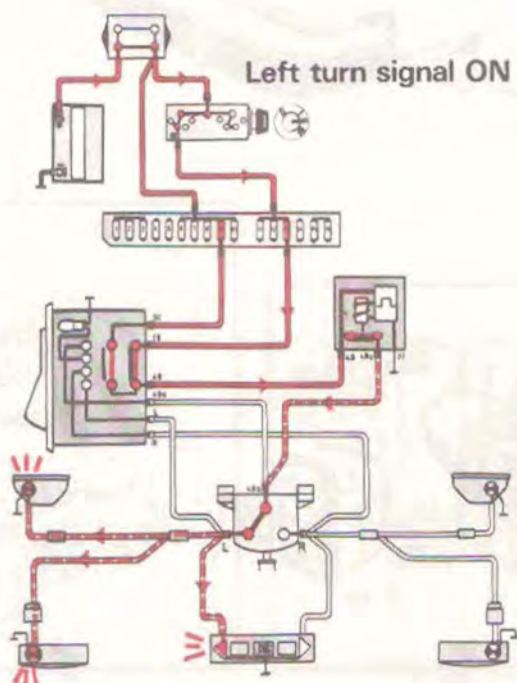
Legend:

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

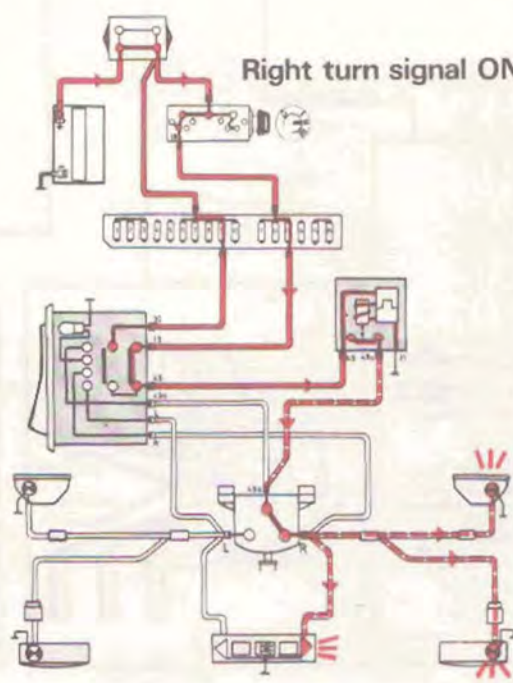
Hazard warning flashers ON

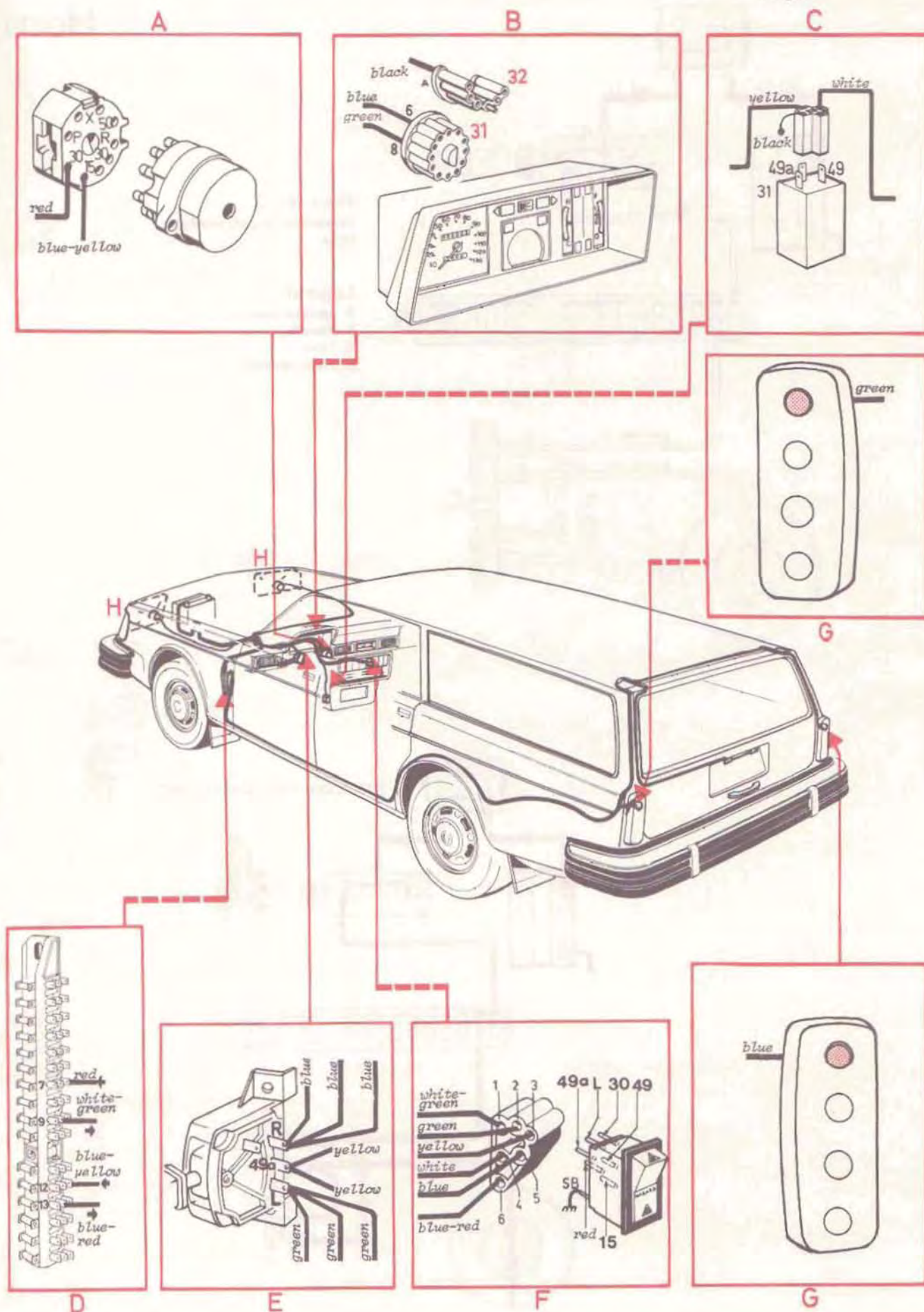


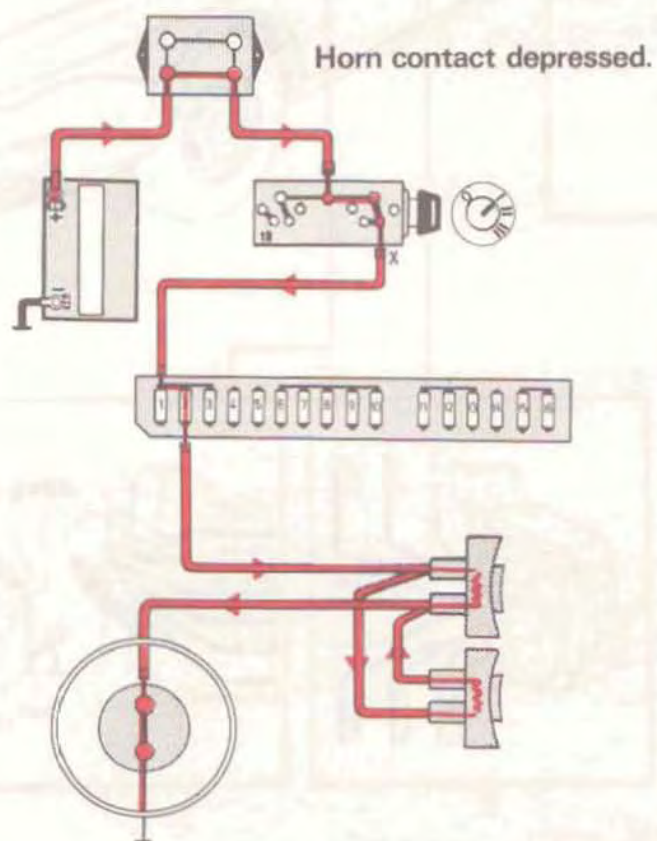
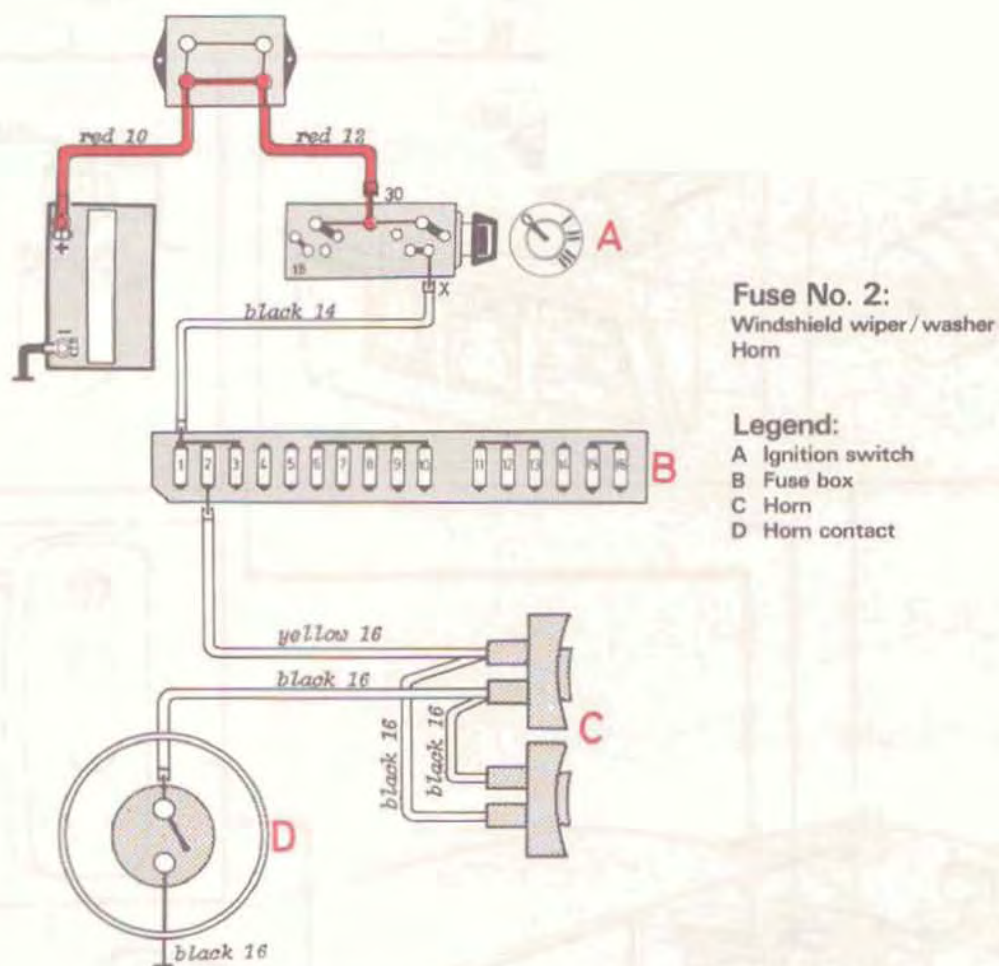
Left turn signal ON

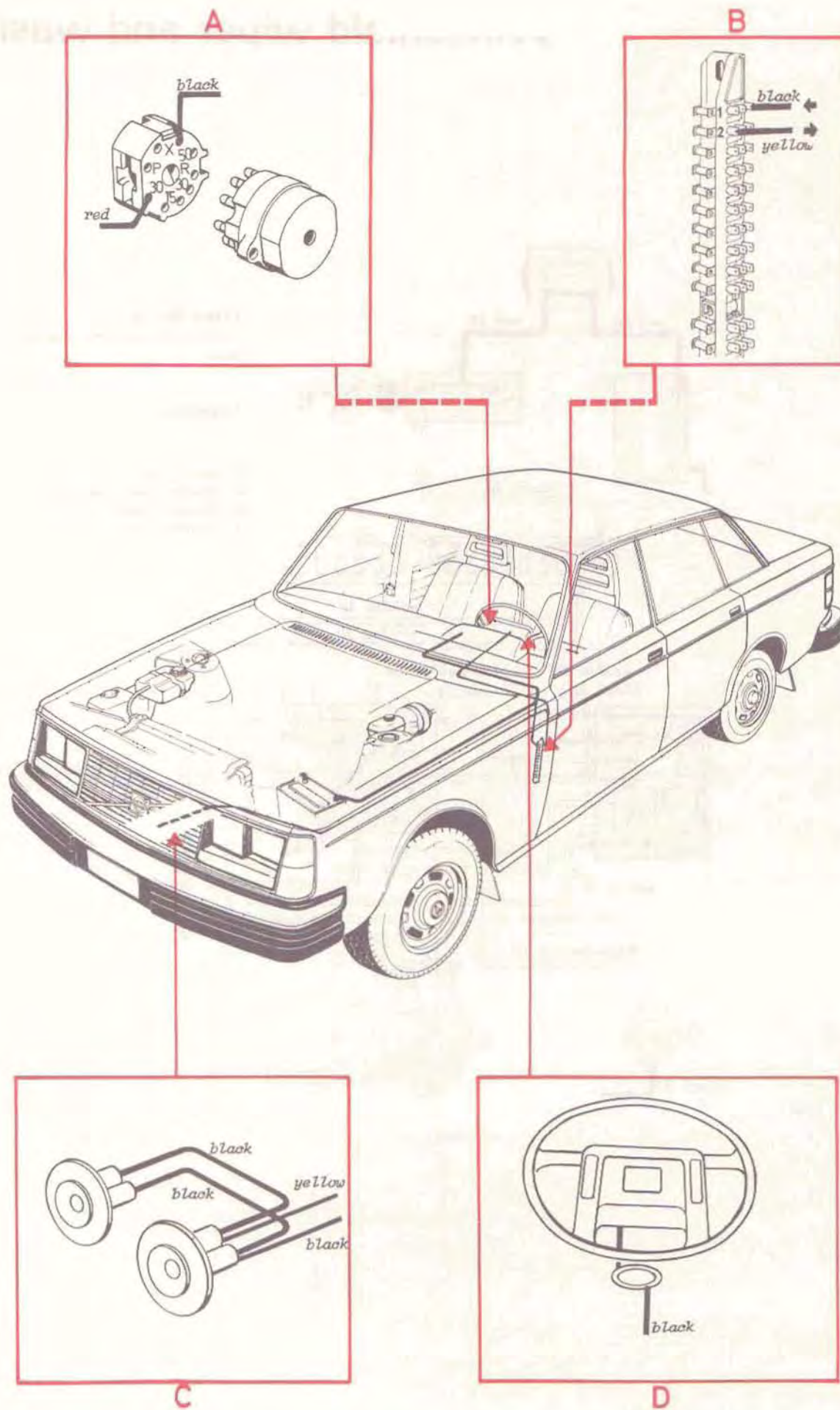


Right turn signal ON

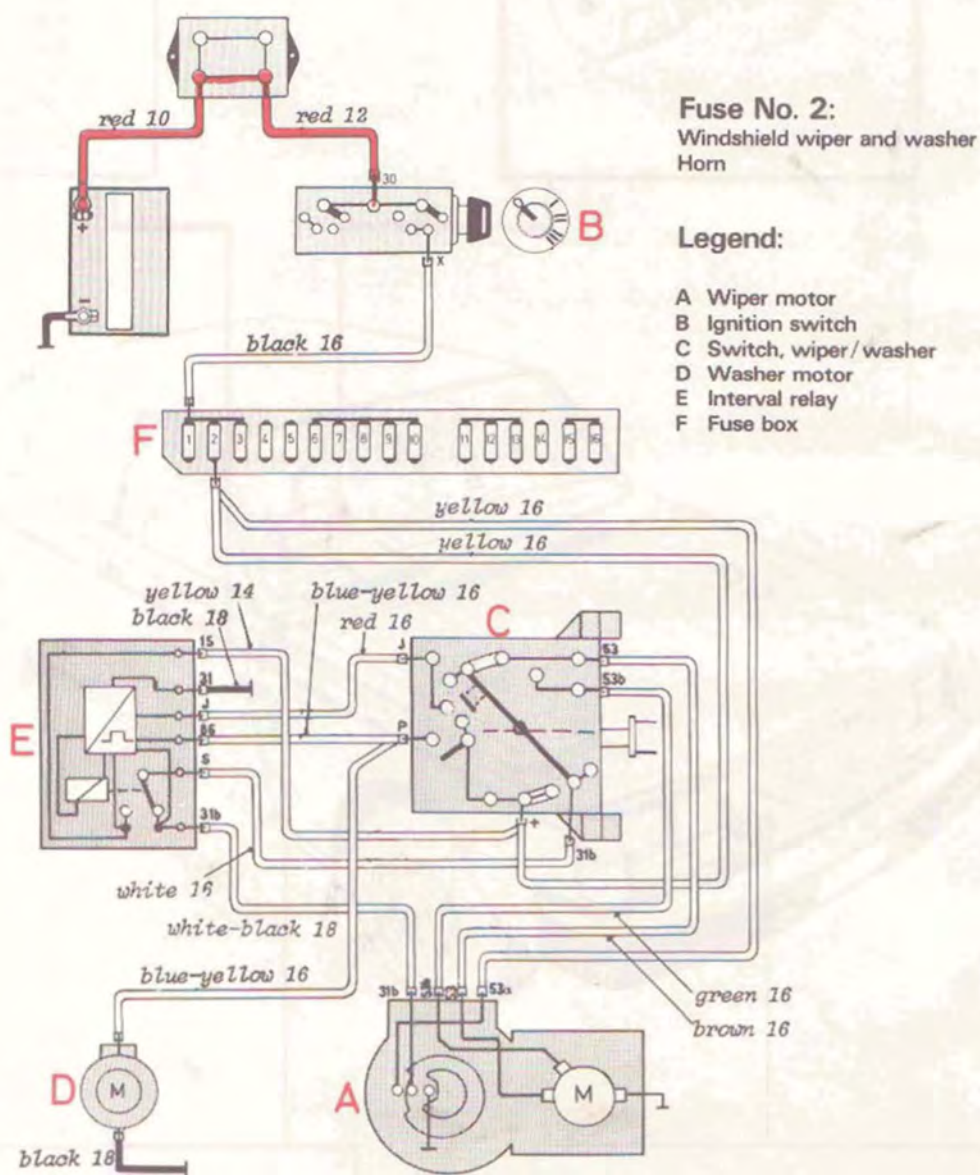


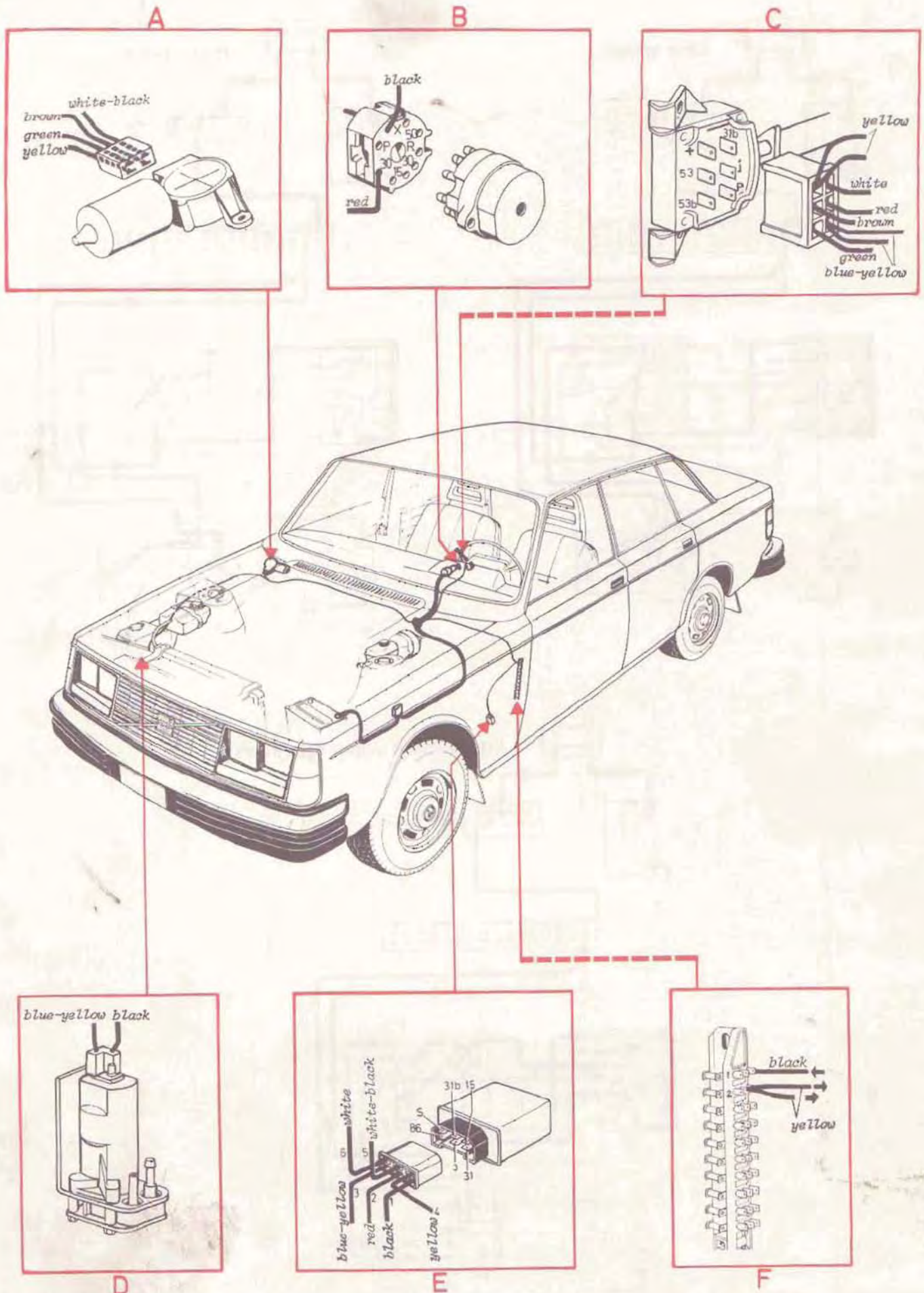


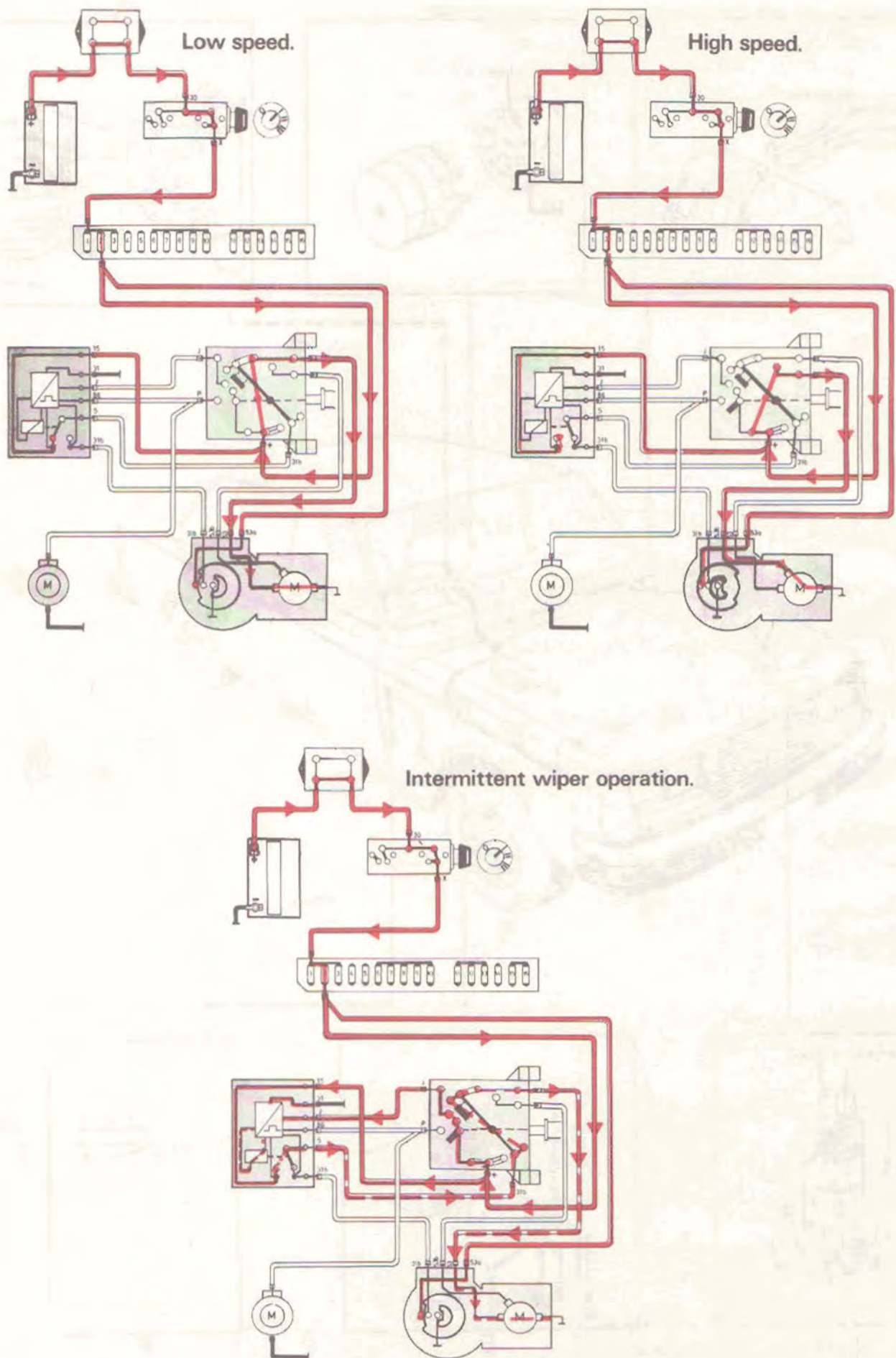


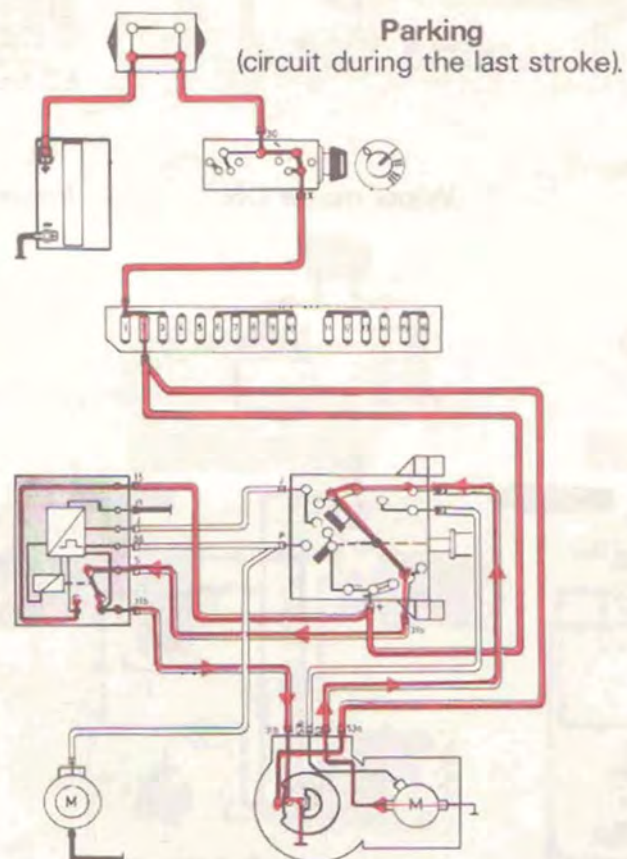
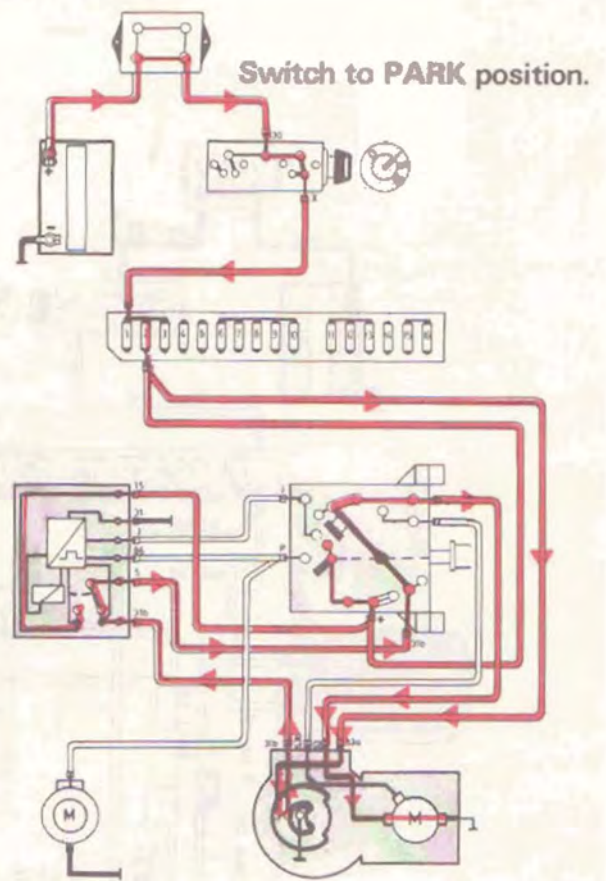
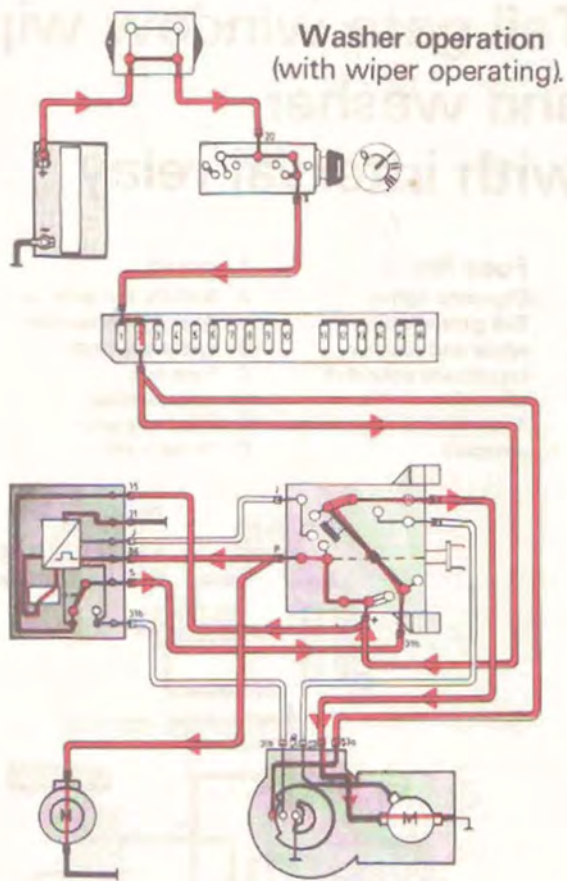


Windshield wiper and washer

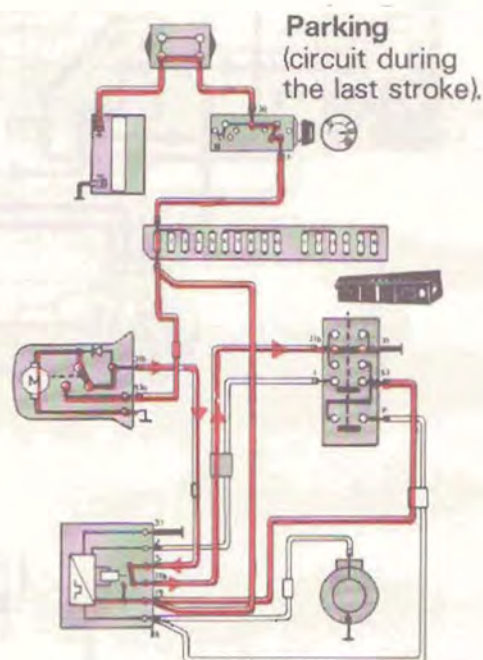
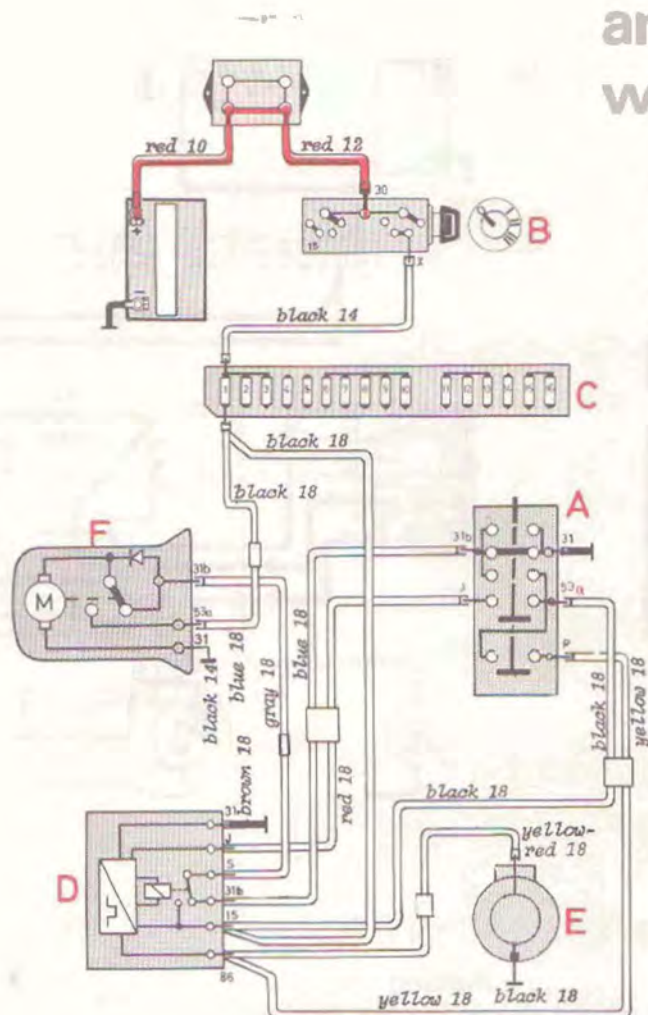




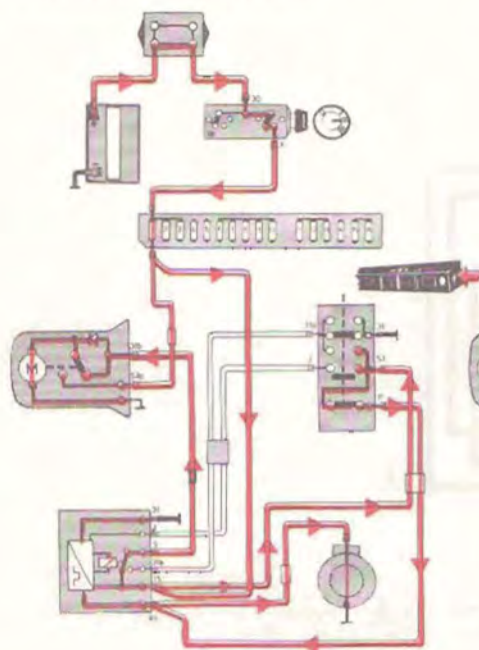




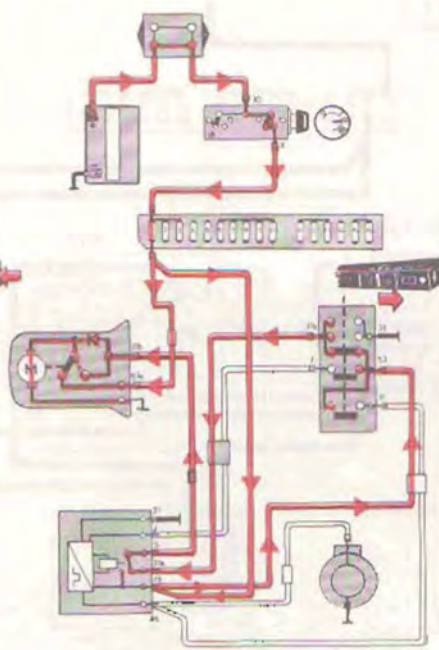
Tail gate window wiper and washer, with interval relay



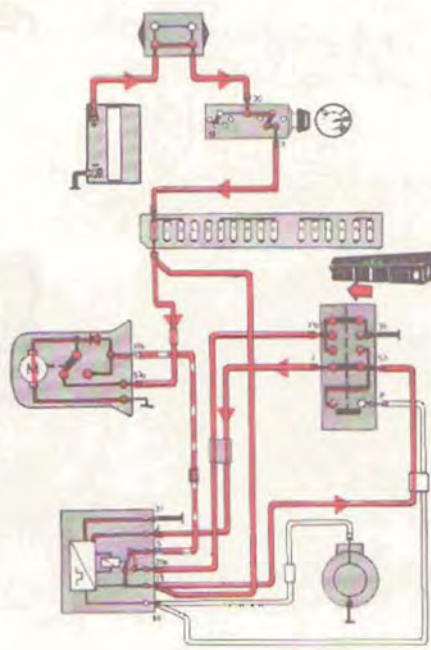
**Washer ON. Wiper motor
makes a few strokes.**

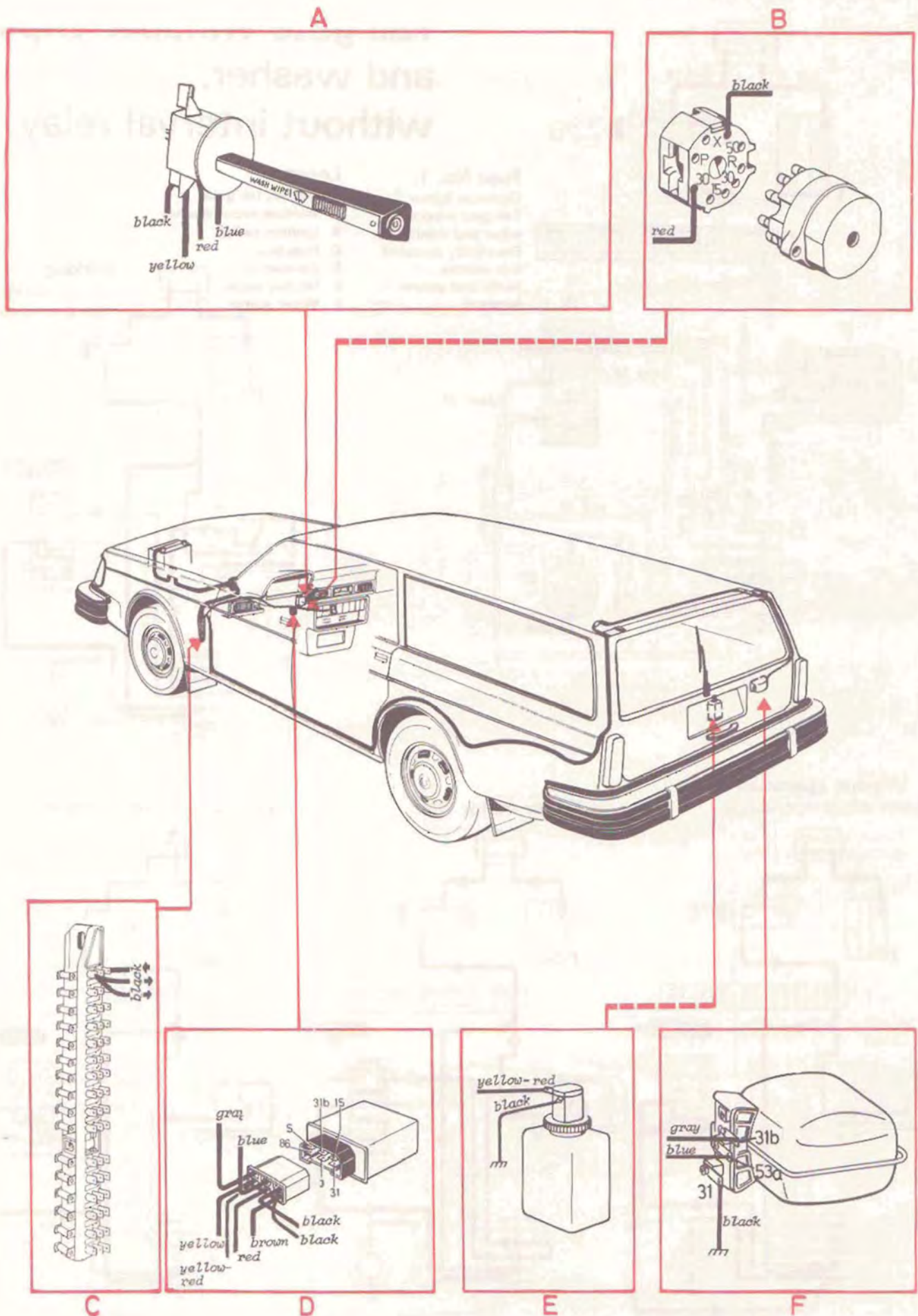


Wiper motor ON.

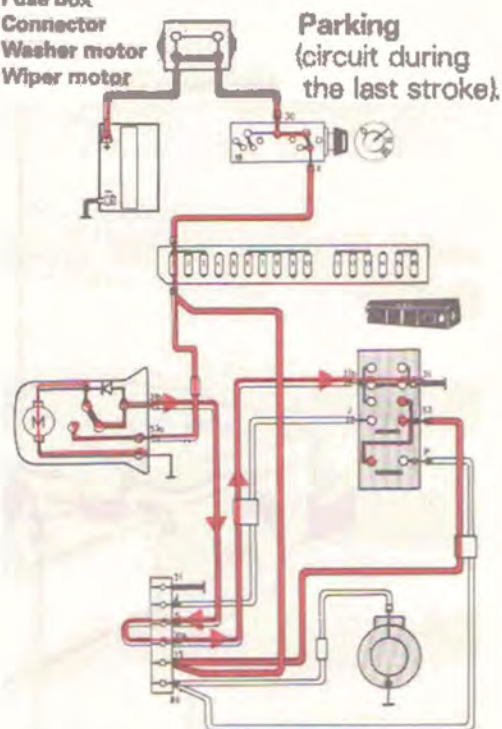
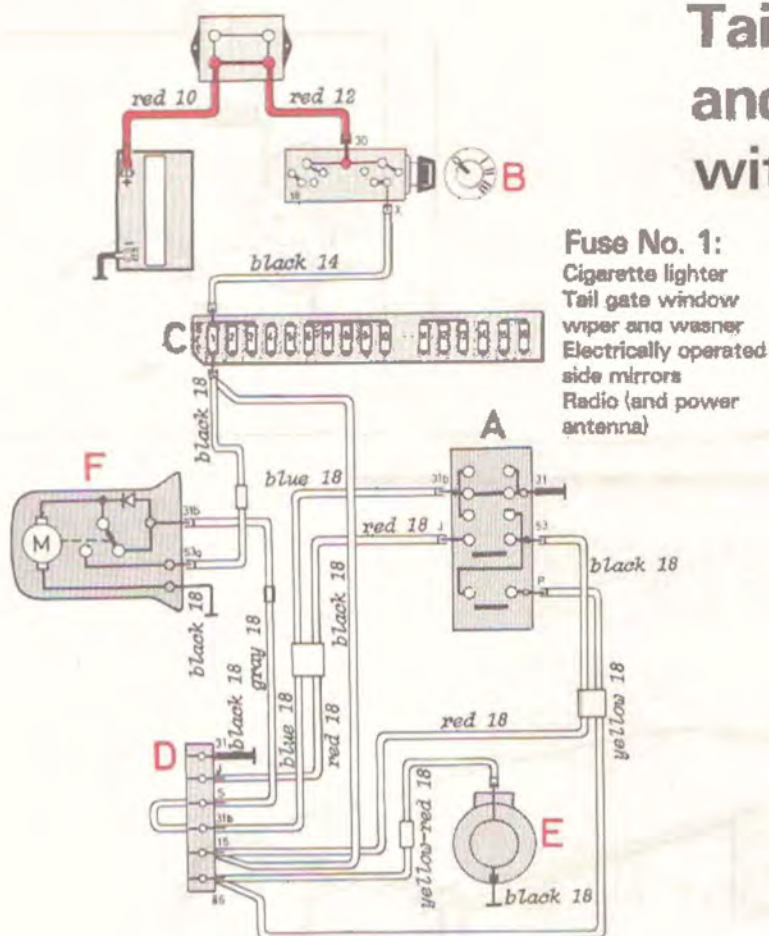


Intermittent wiper operation.

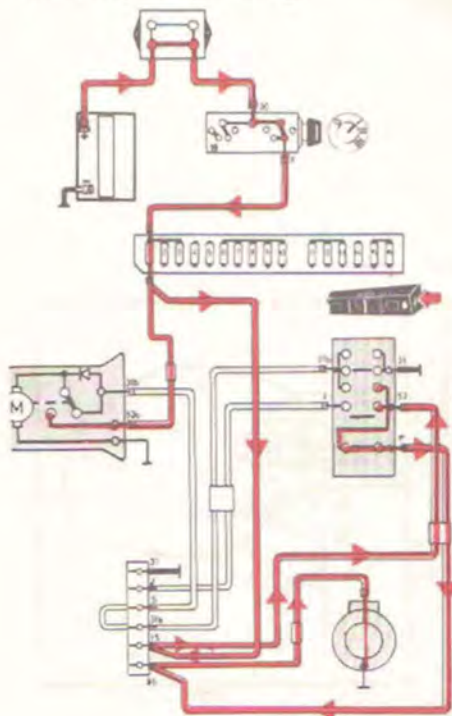




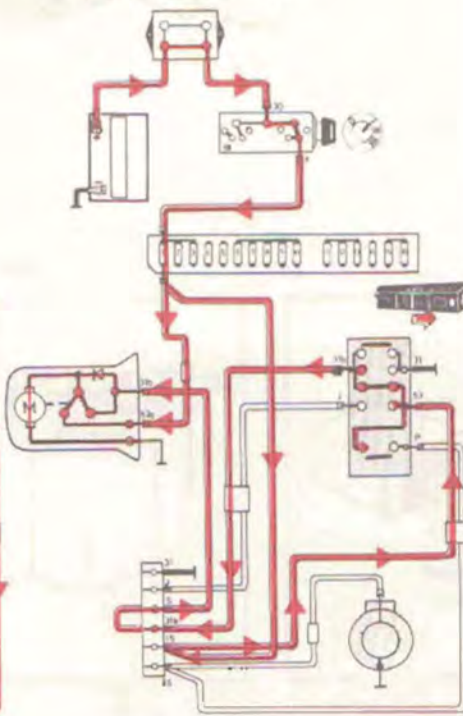
Tail gate window wiper and washer, without interval relay



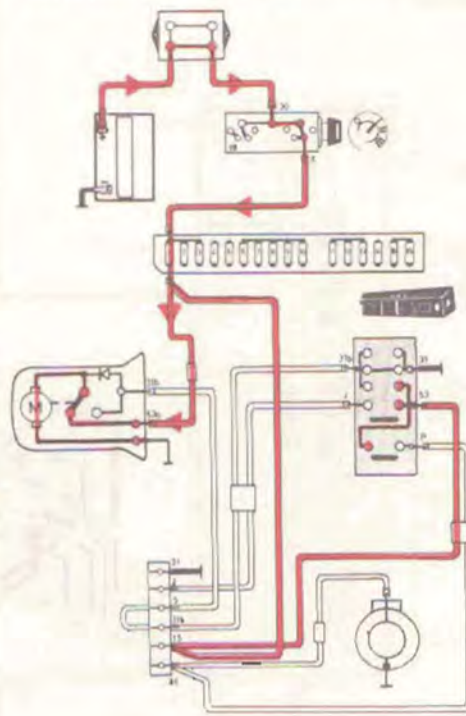
Washer operation
(with wiper operating).



Wiper motor ON.

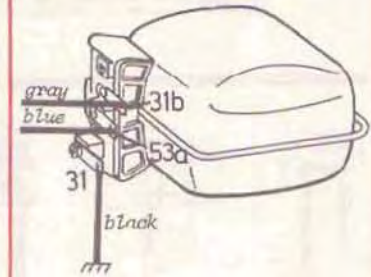
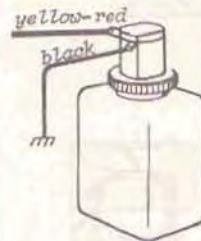
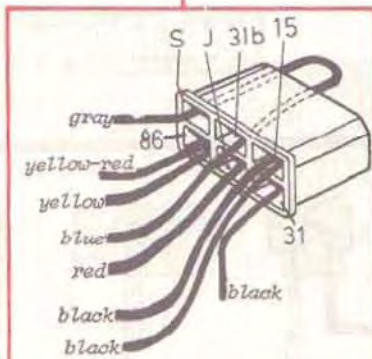
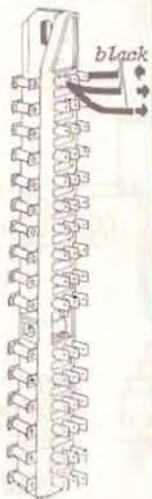
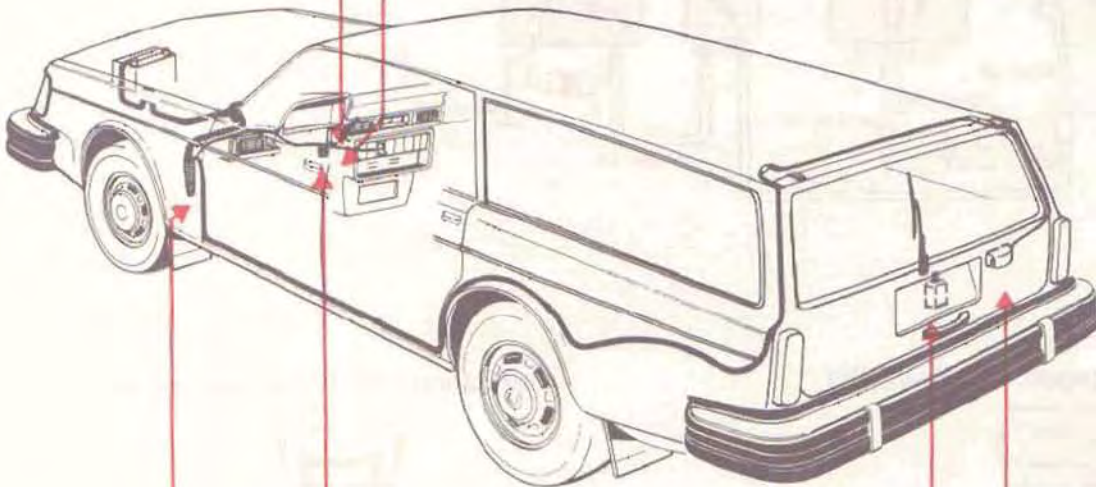
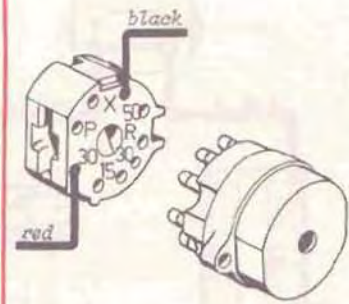
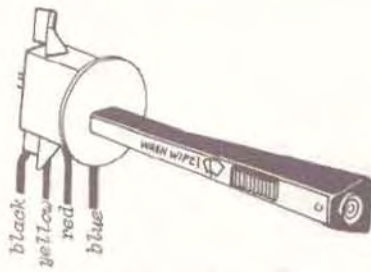


Switch to PARK position.



A

B



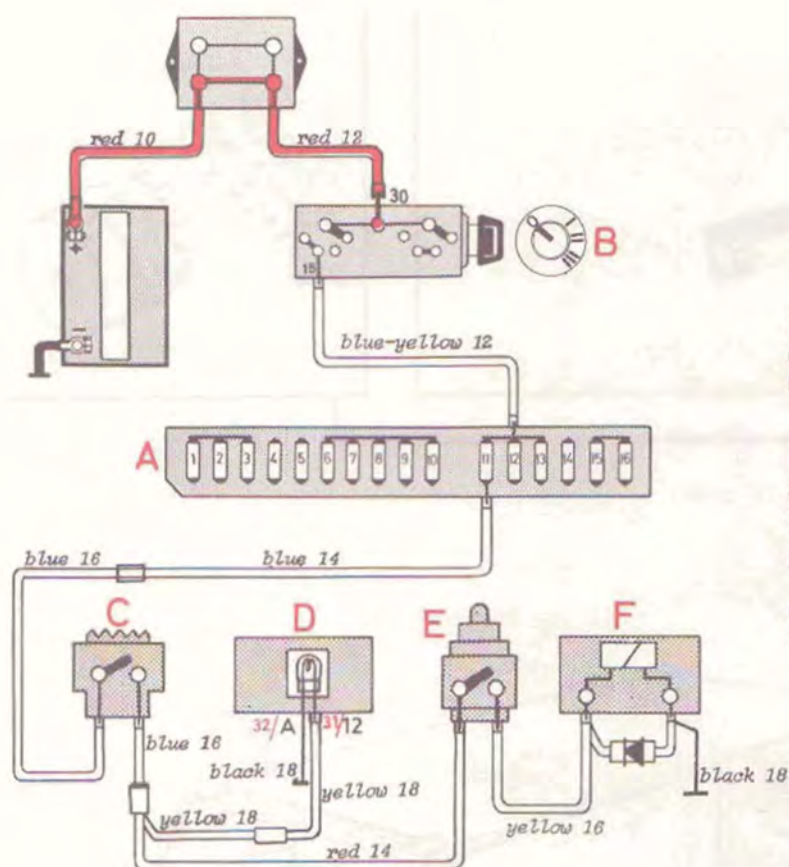
C

D

E

F

Overdrive

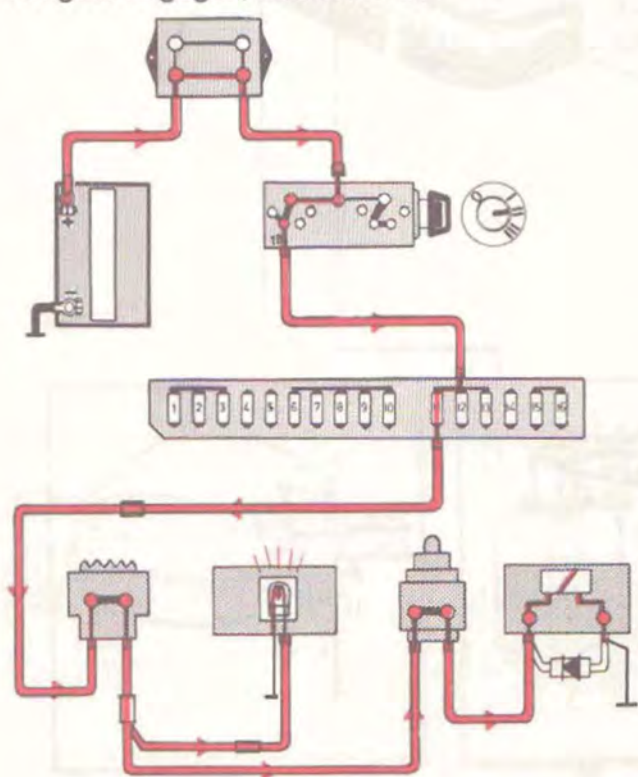


Fuse No. 11:
Overdrive
Rear demist

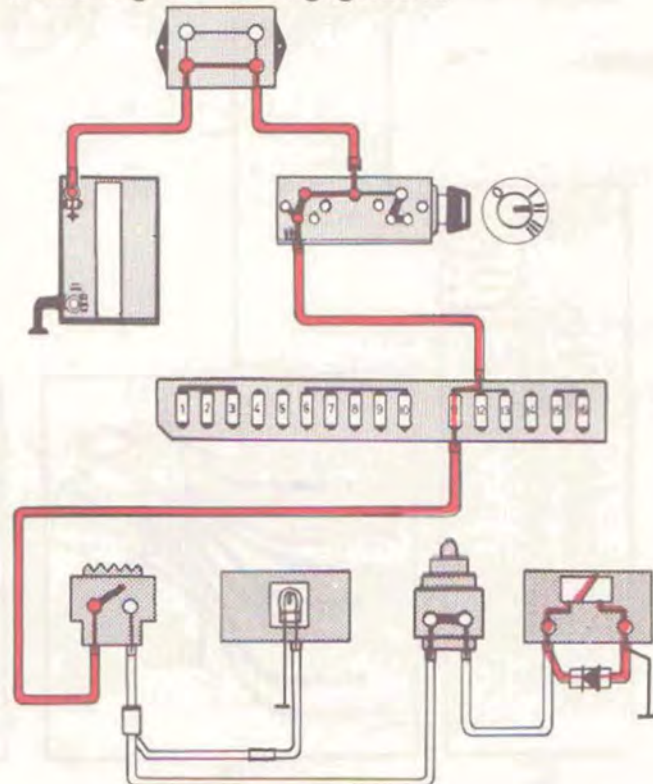
Legend:

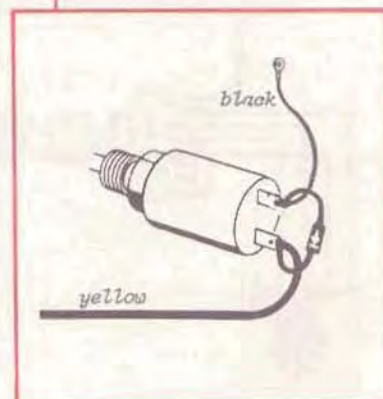
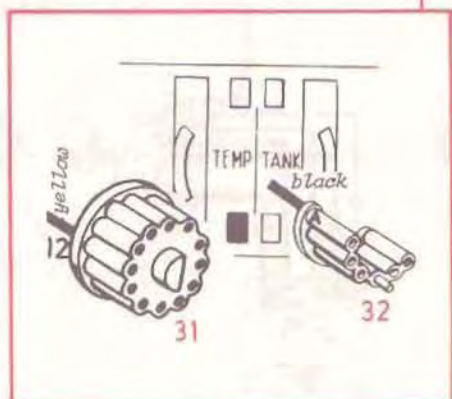
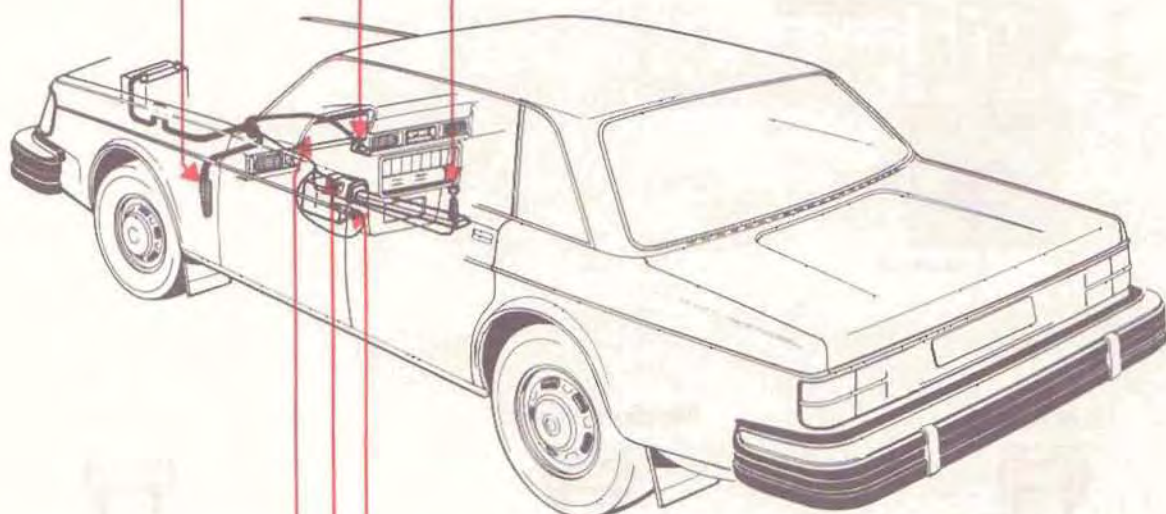
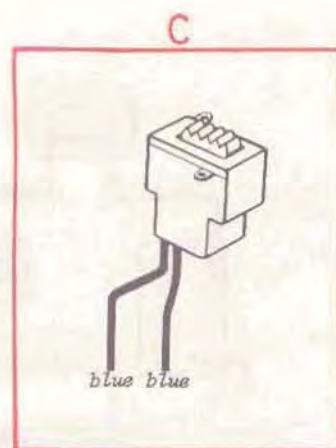
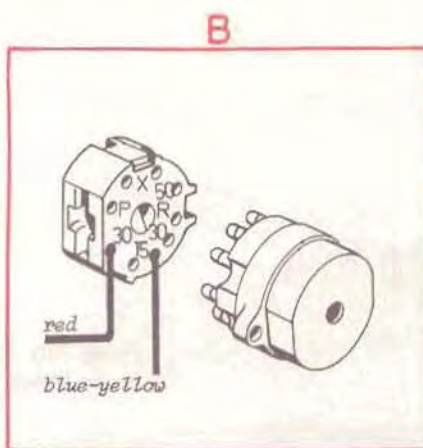
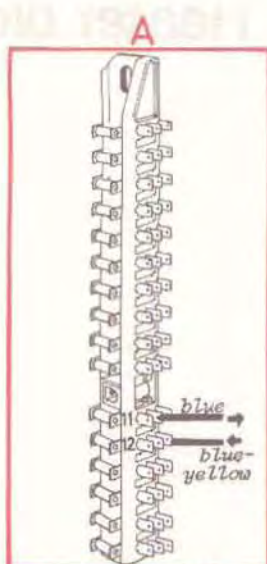
- A Fuse box
- B Ignition switch
- C Switch, overdrive
- D Indicator light in instrument cluster
- E Switch, on transmission
- F Solenoid with diode

4th gear engaged, overdrive ON

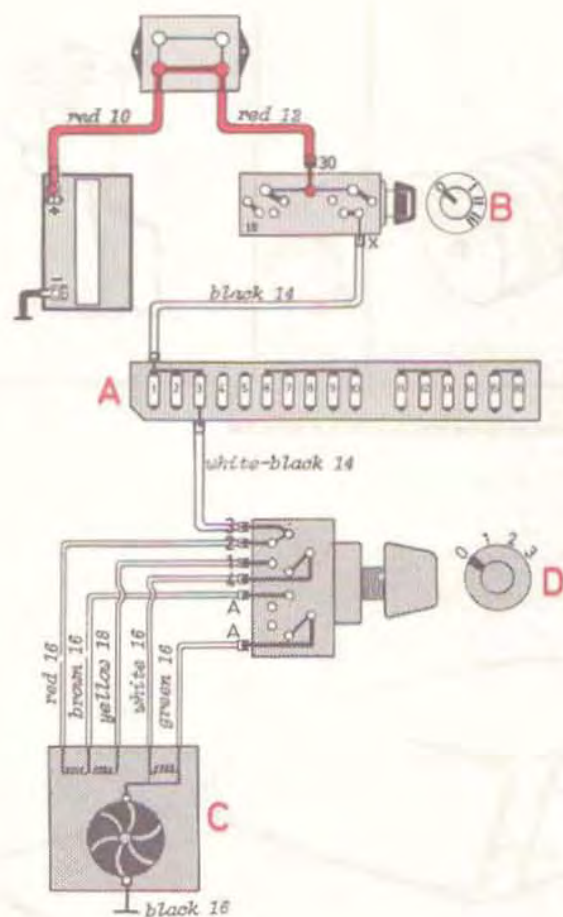


Switching OFF (disengagement)





Heater blower

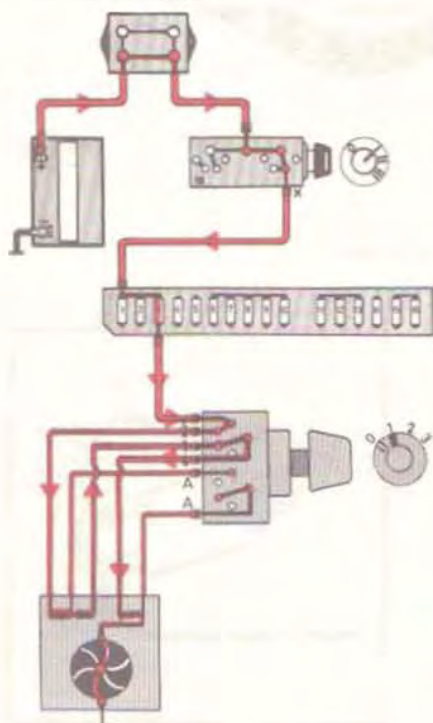


Fuse No 13:
Heater blower

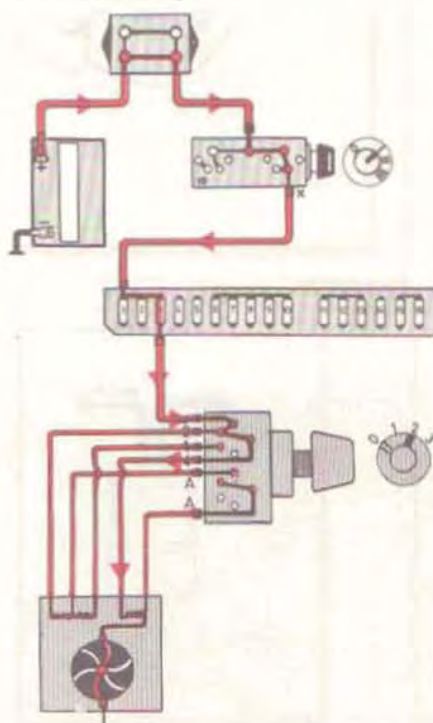
Legend:

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

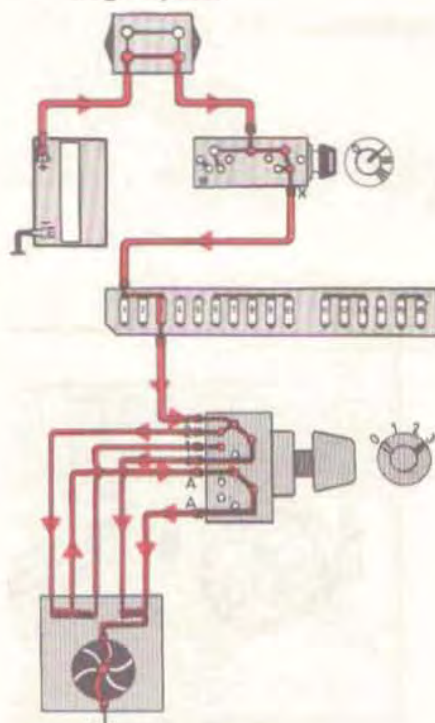
Low speed

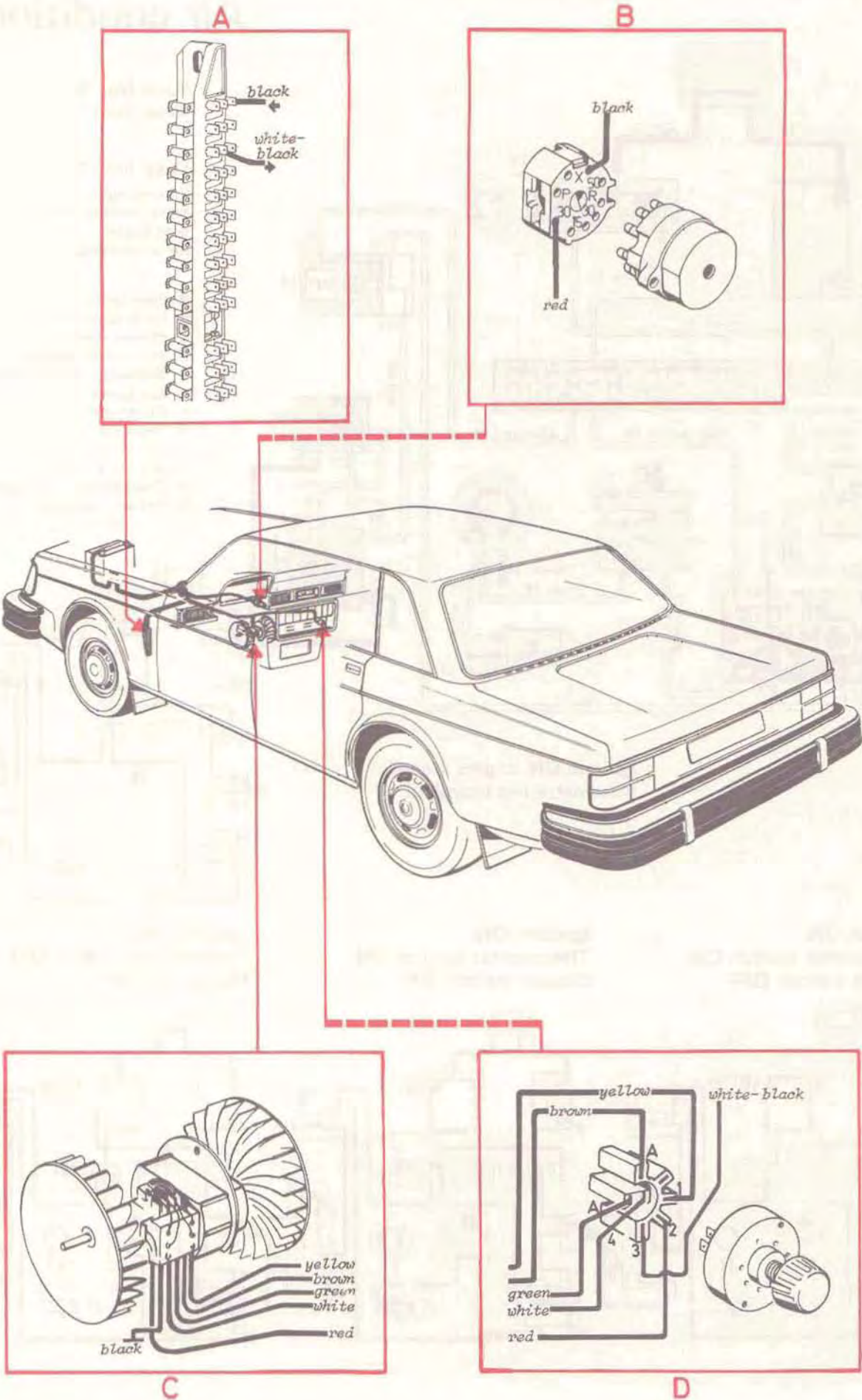


Medium speed

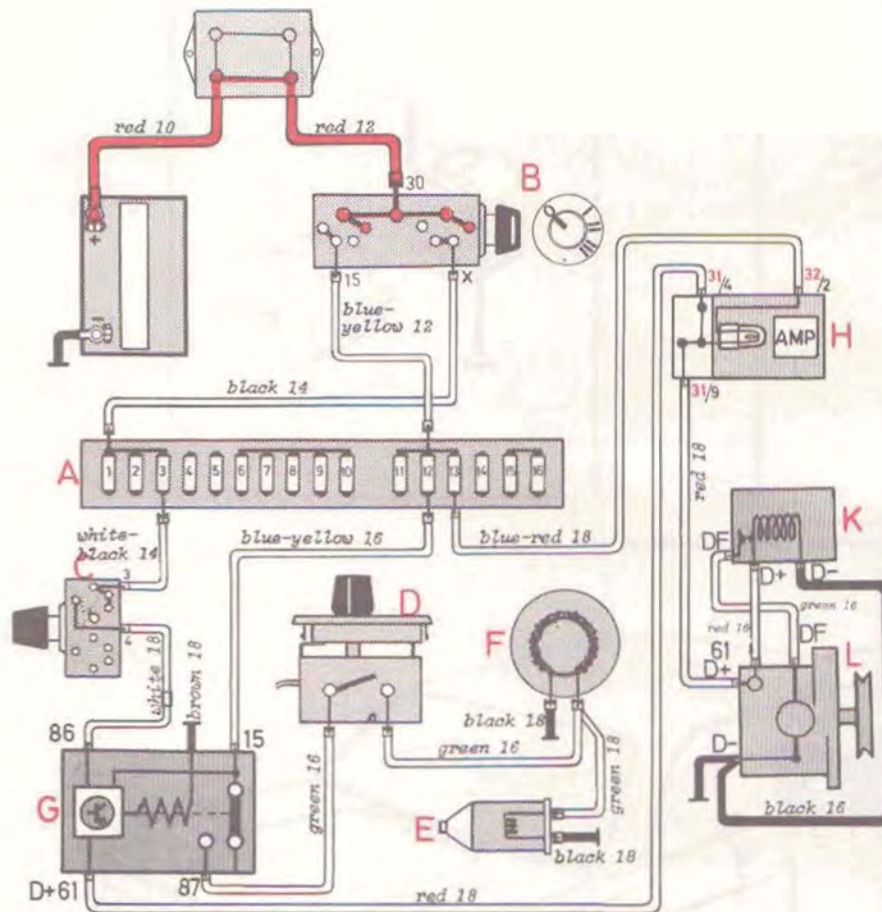


High speed





Air conditioning

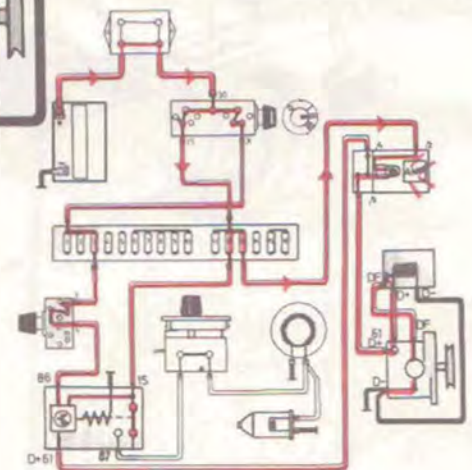


Fuse No. 3:
Heater blower

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

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

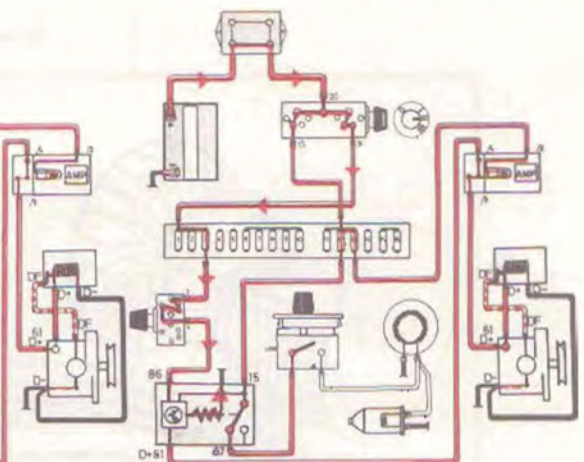
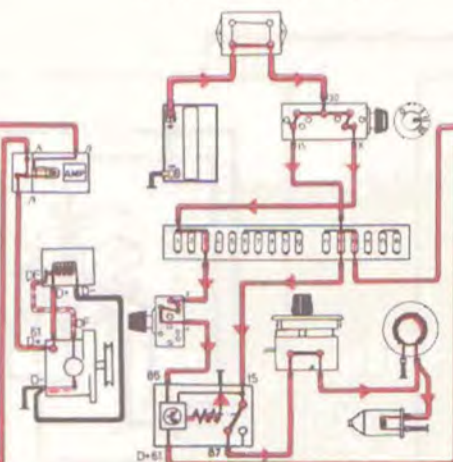
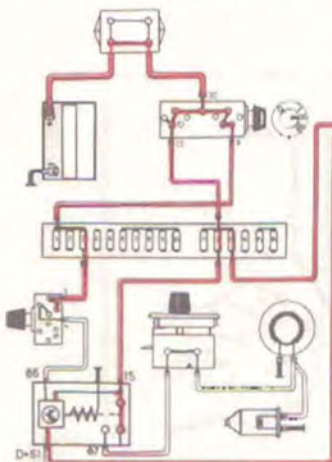
Ignition ON, engine stalled.
(Alternator not charging).

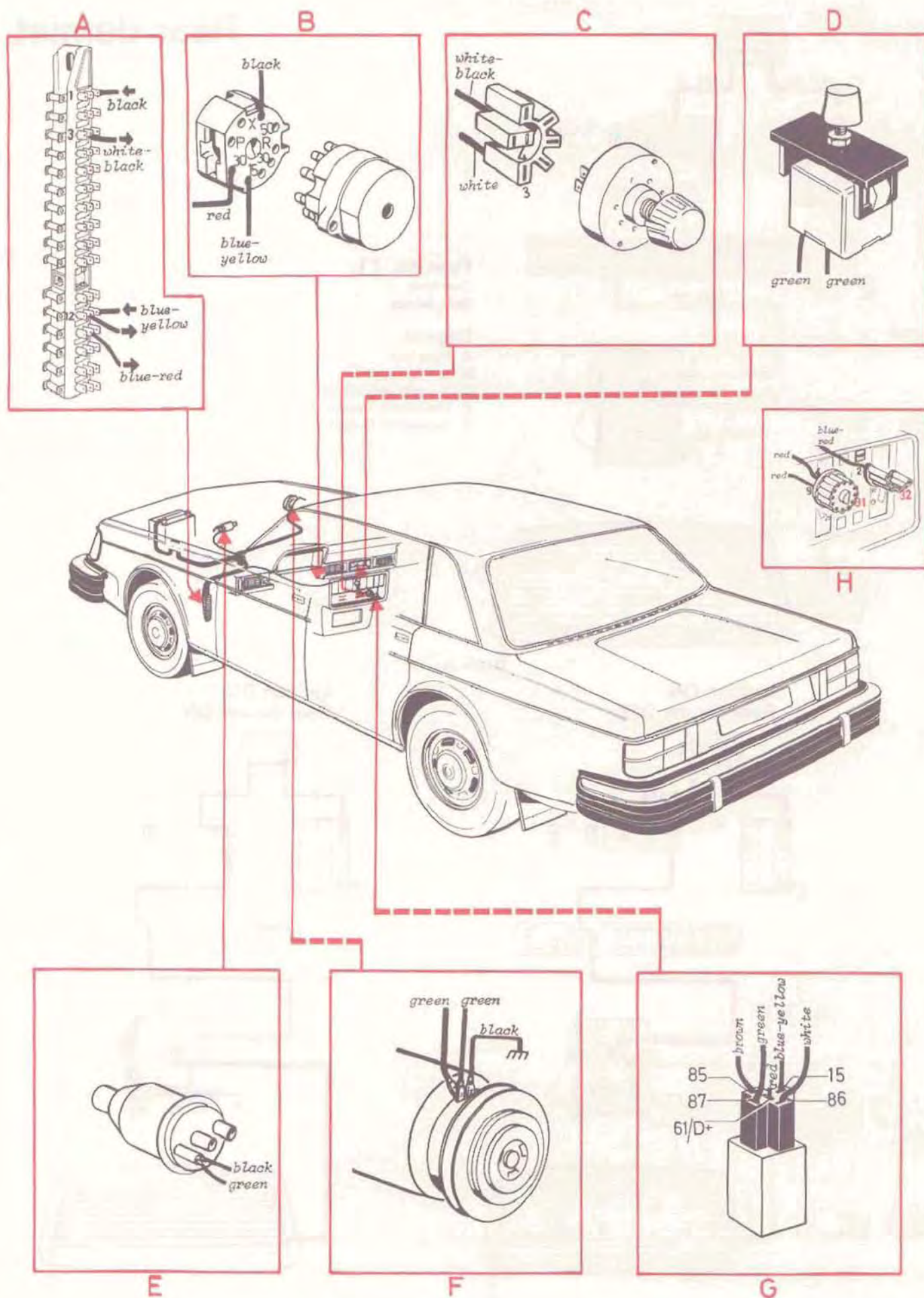


Ignition ON.
Thermostat switch ON.
Blower switch OFF.

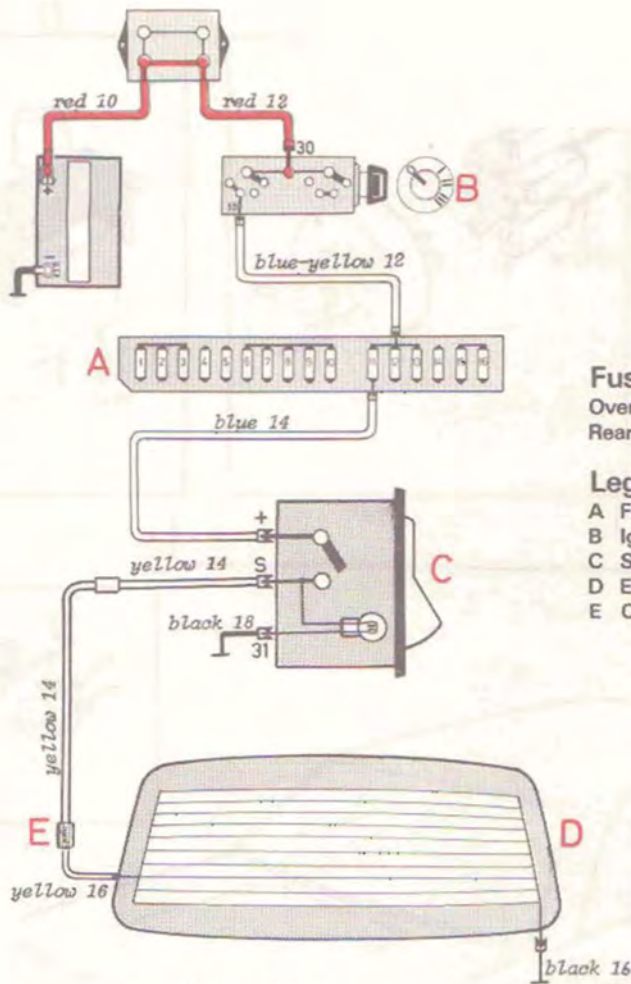
Ignition ON.
Thermostat switch ON.
Blower switch ON.

Ignition ON.
Thermostat switch OFF.
Blower switch ON.





Rear demist

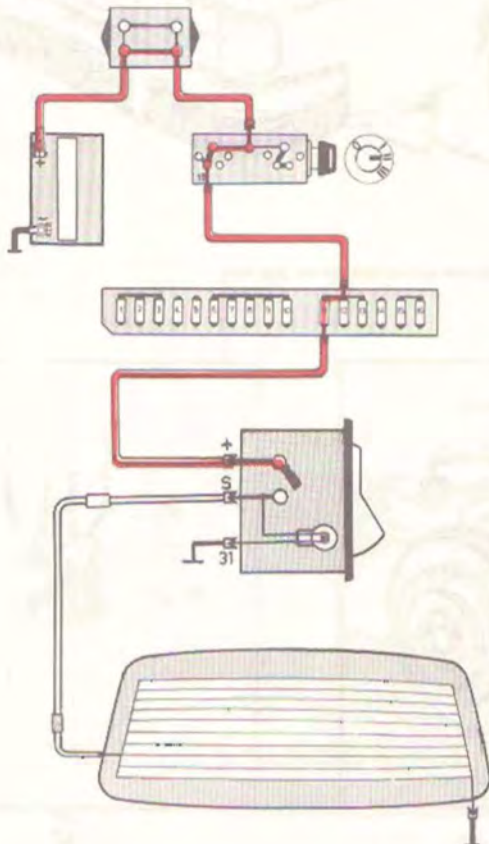


Fuse No. 11:
Overdrive
Rear demist

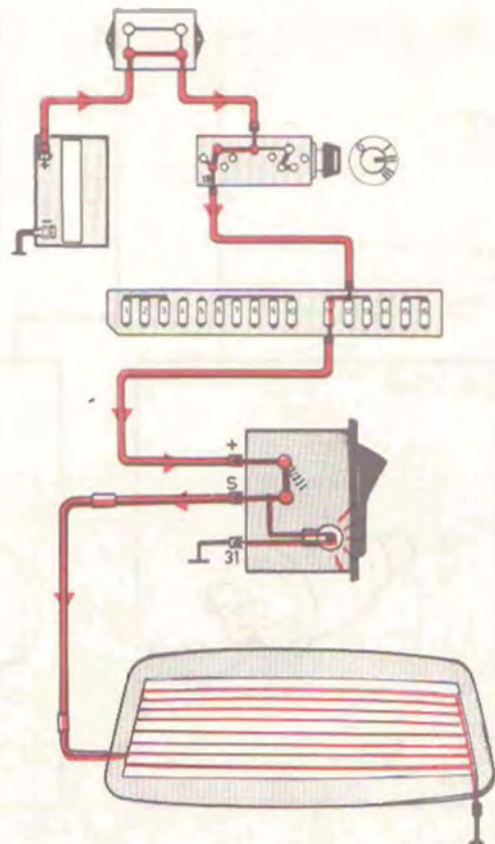
Legend:

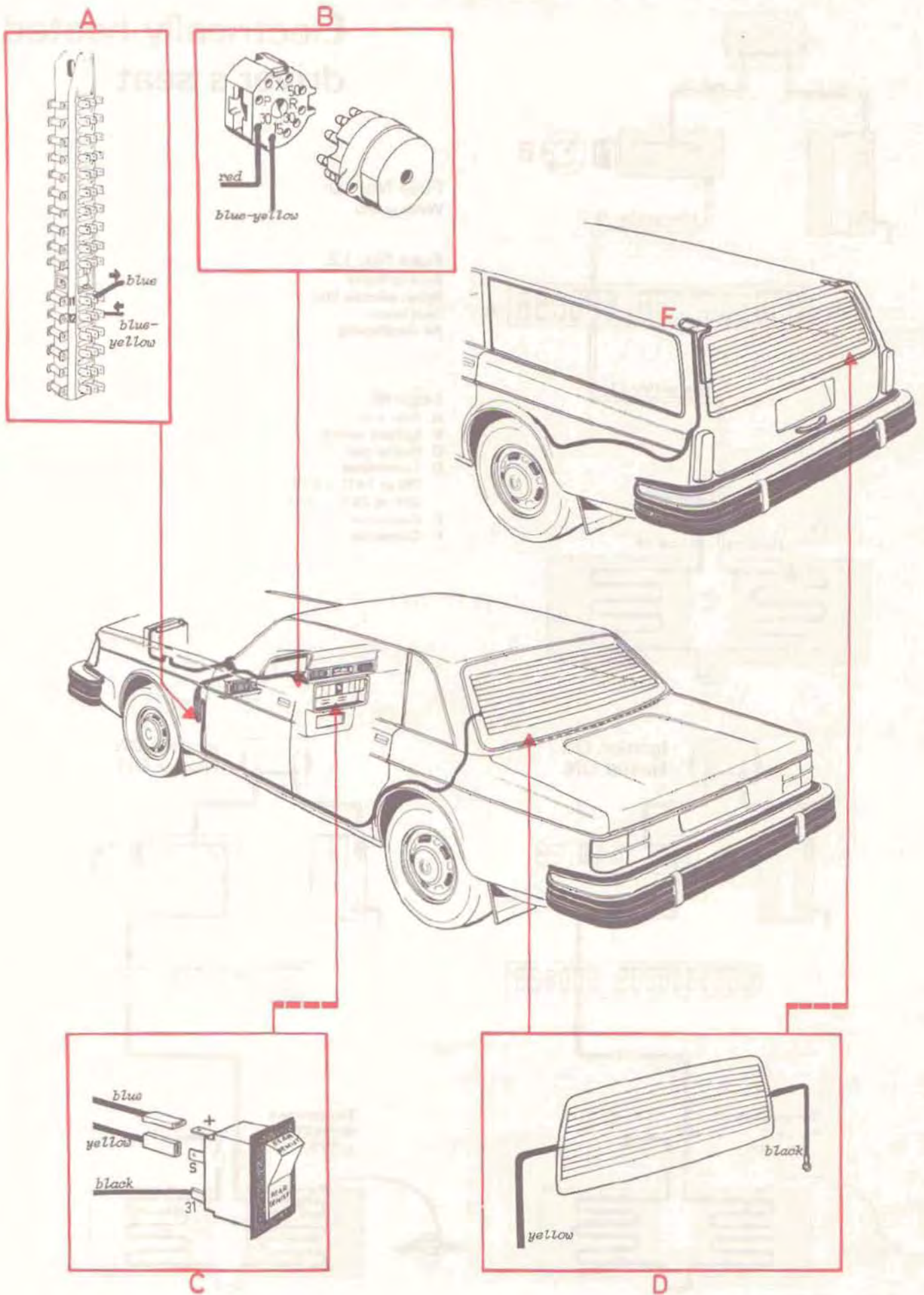
- A Fuse box
- B Ignition switch
- C Switch, rear demist
- D Electrically heated rear window
- E Connector (wagon)

**Ignition ON.
Rear demist OFF.**

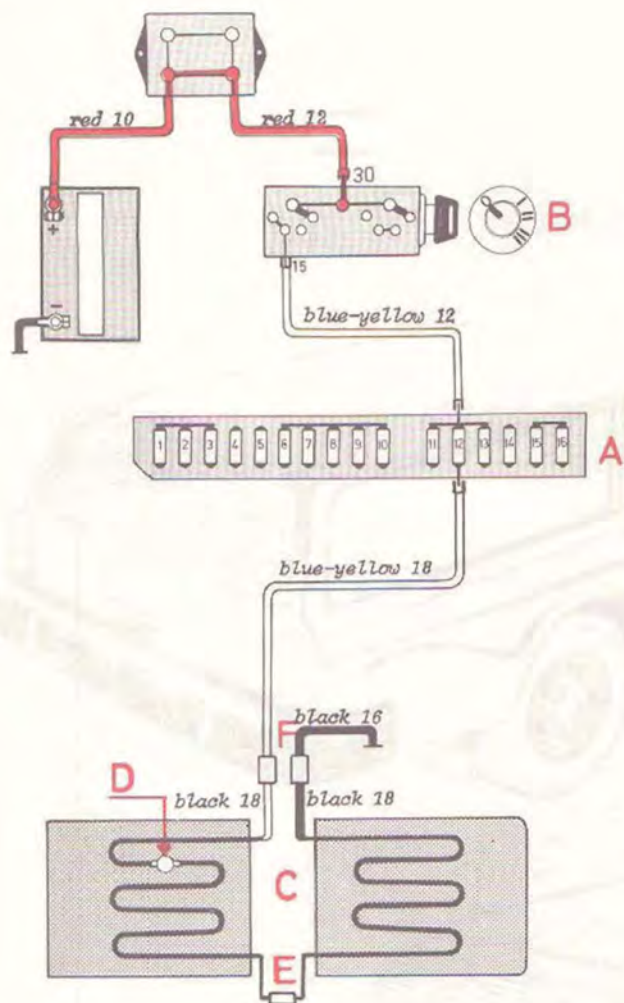


**Ignition ON.
Rear demist ON.**





Electrically heated driver's seat

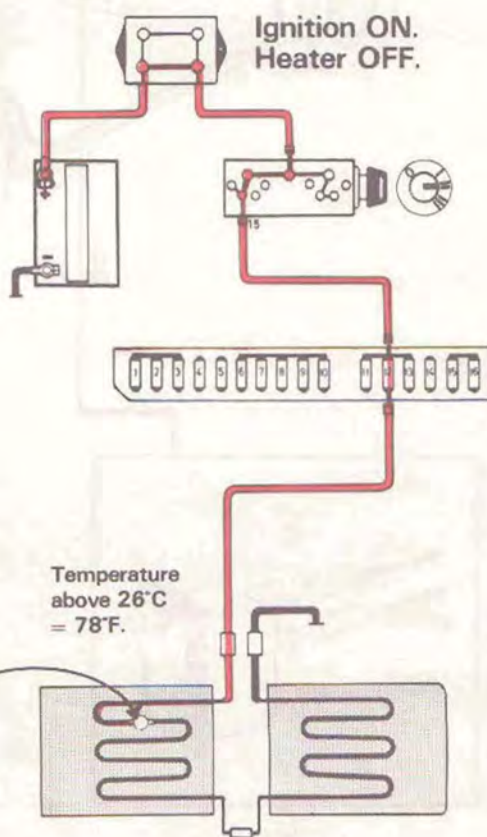
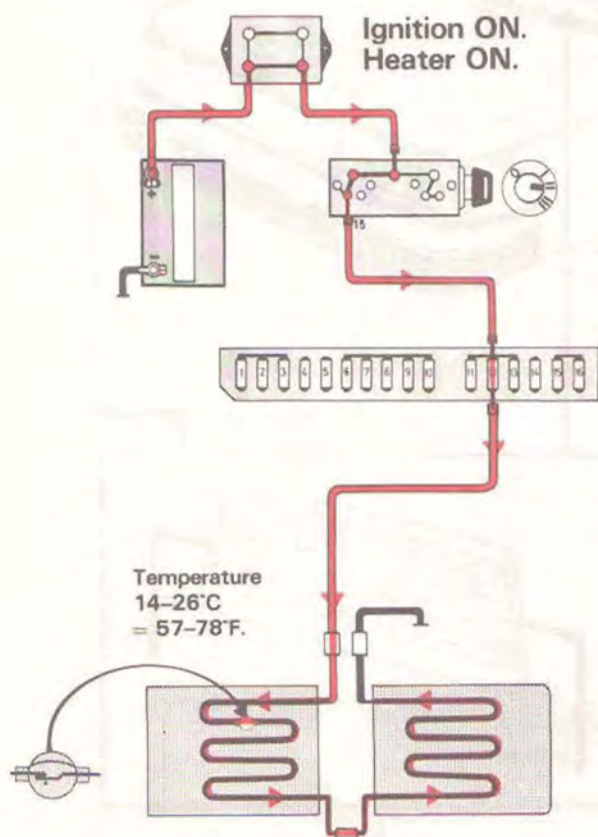


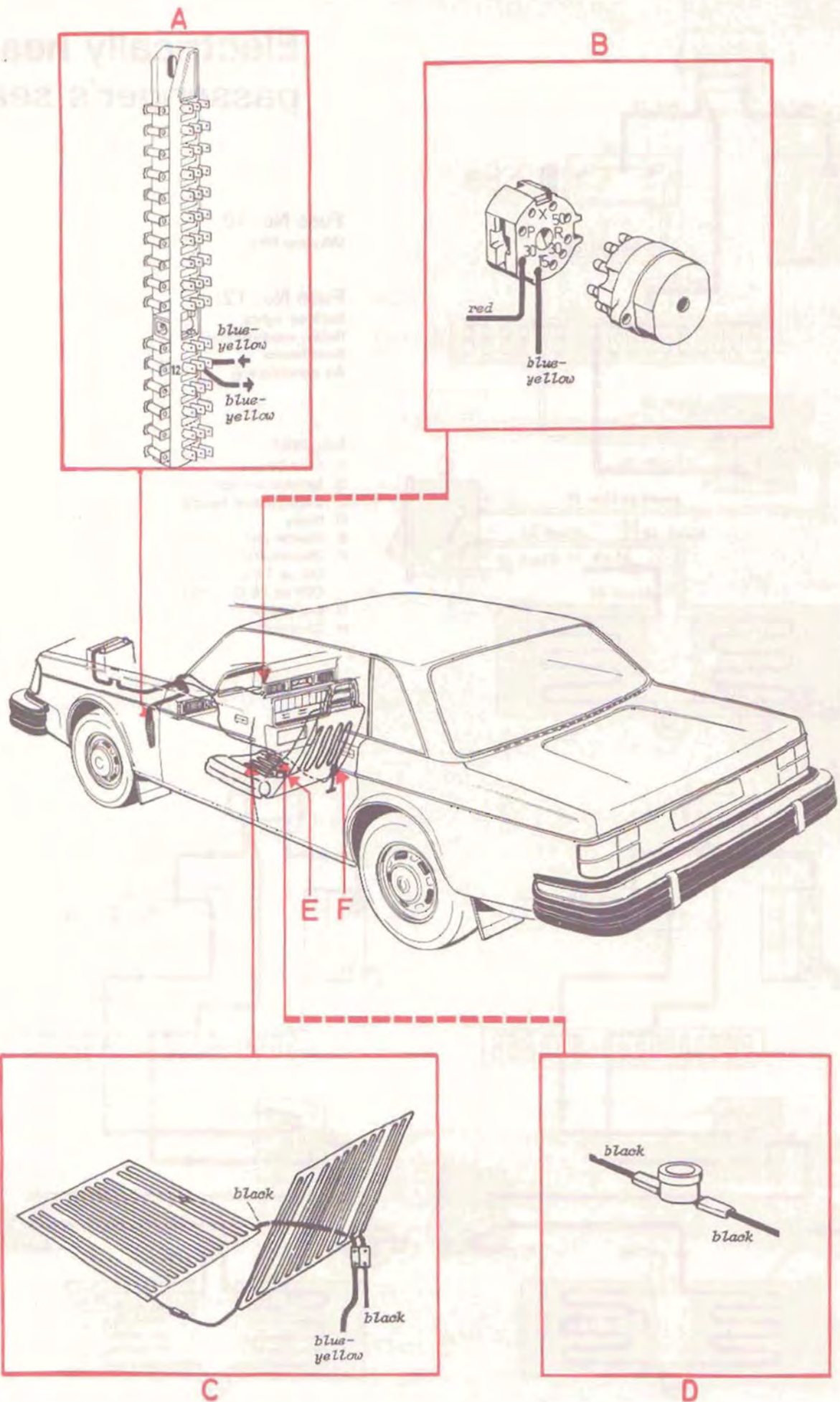
Fuse No. 10:
Window lifts

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

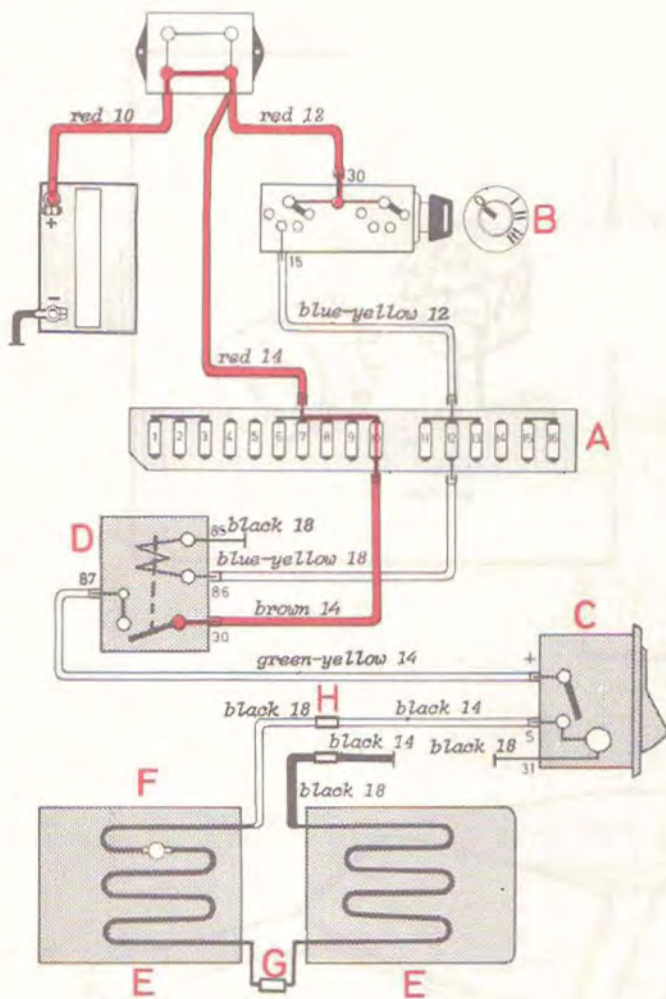
Legend:

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





Electrically heated passenger's seat



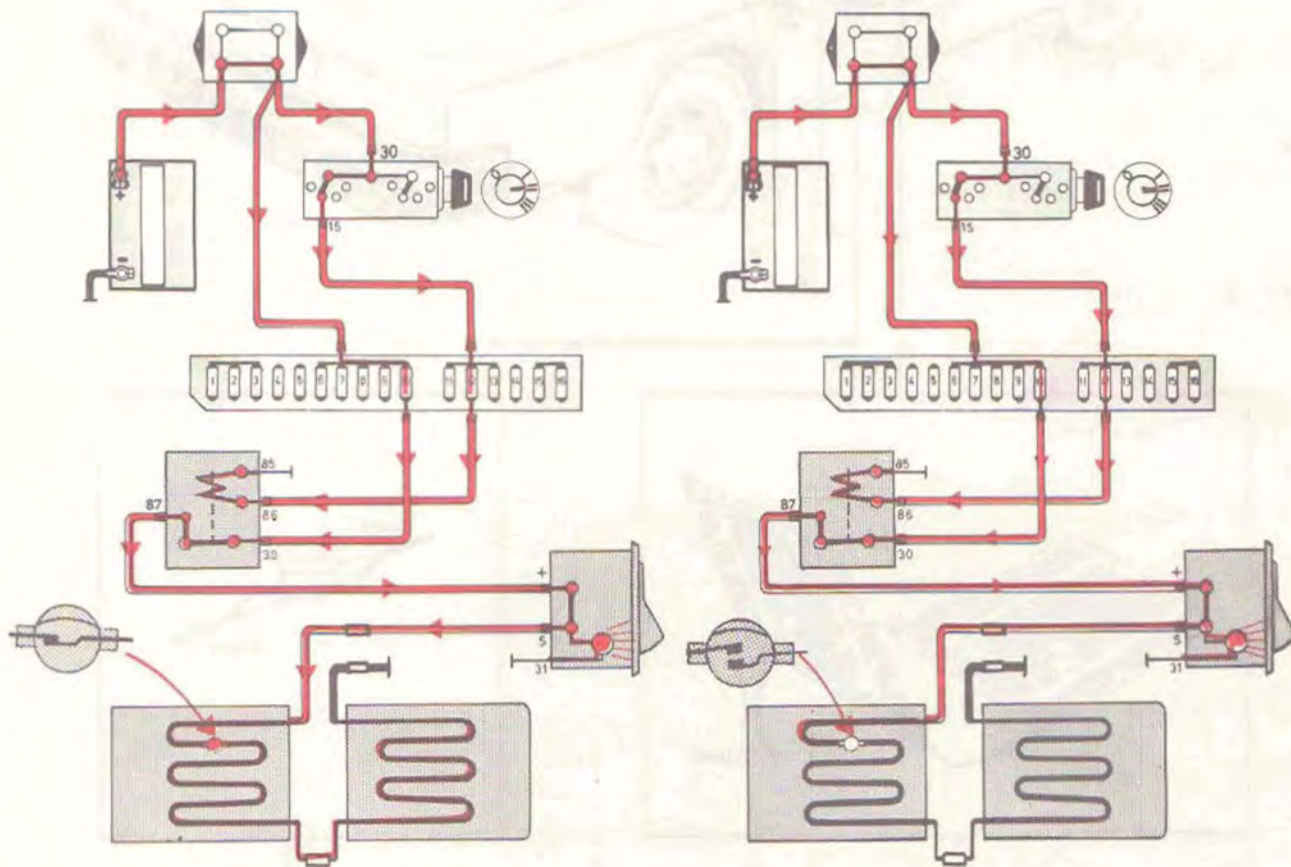
Fuse No. 10:

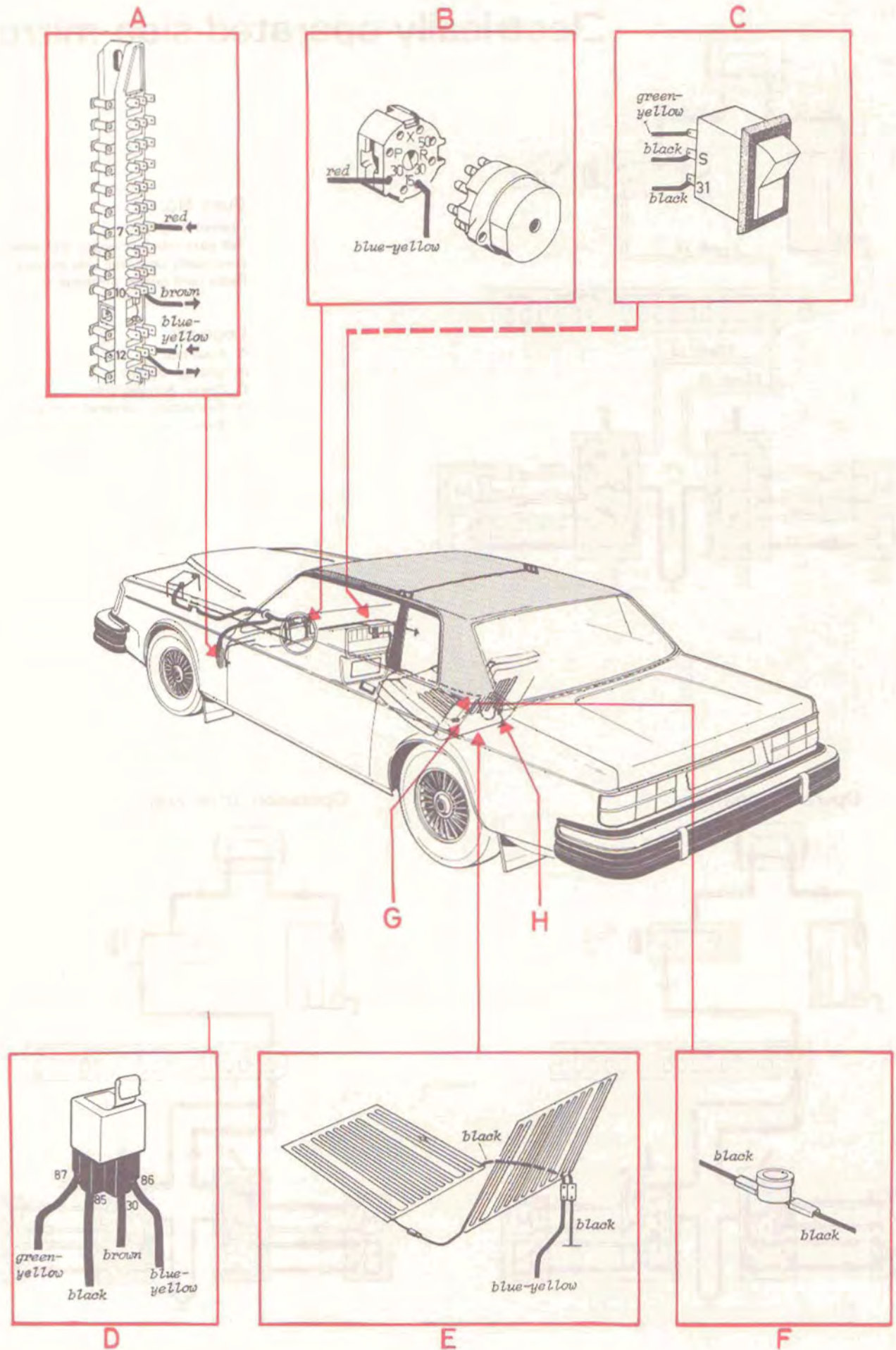
Fuse No. 12:

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

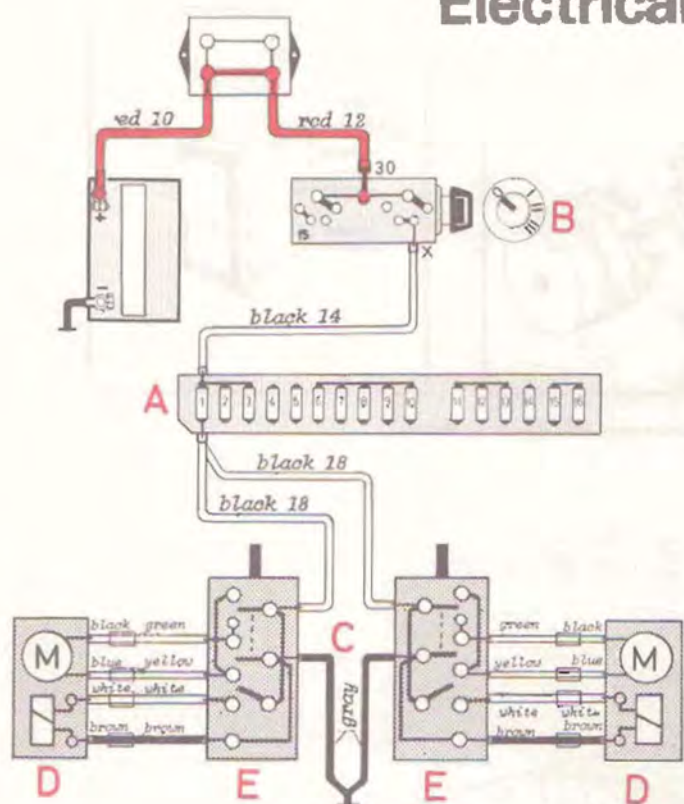
Legend:

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





Electrically operated side mirrors



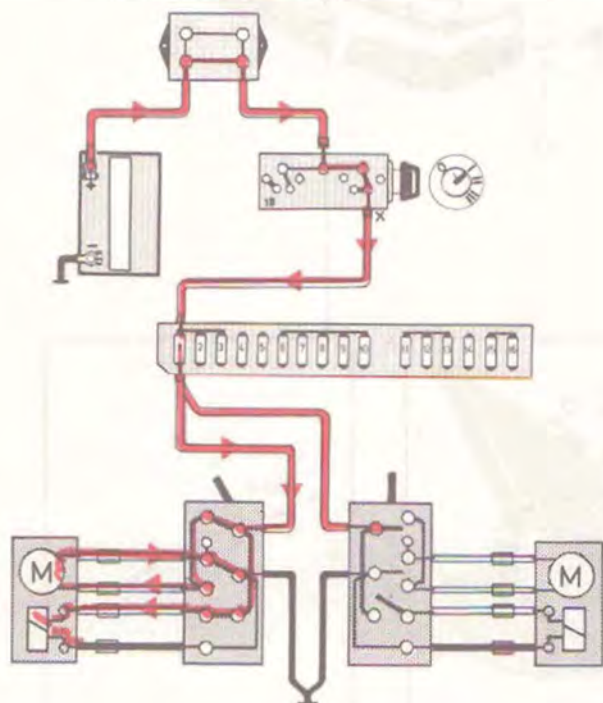
Fuse No. 1:

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

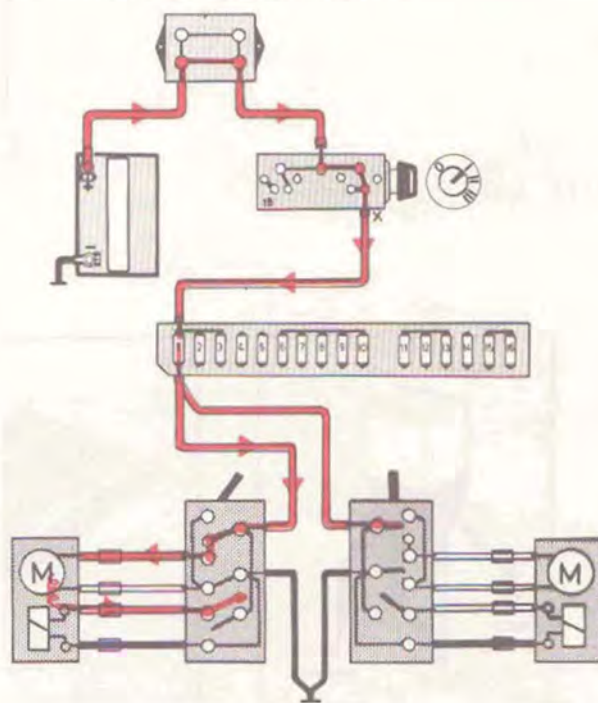
Legend:

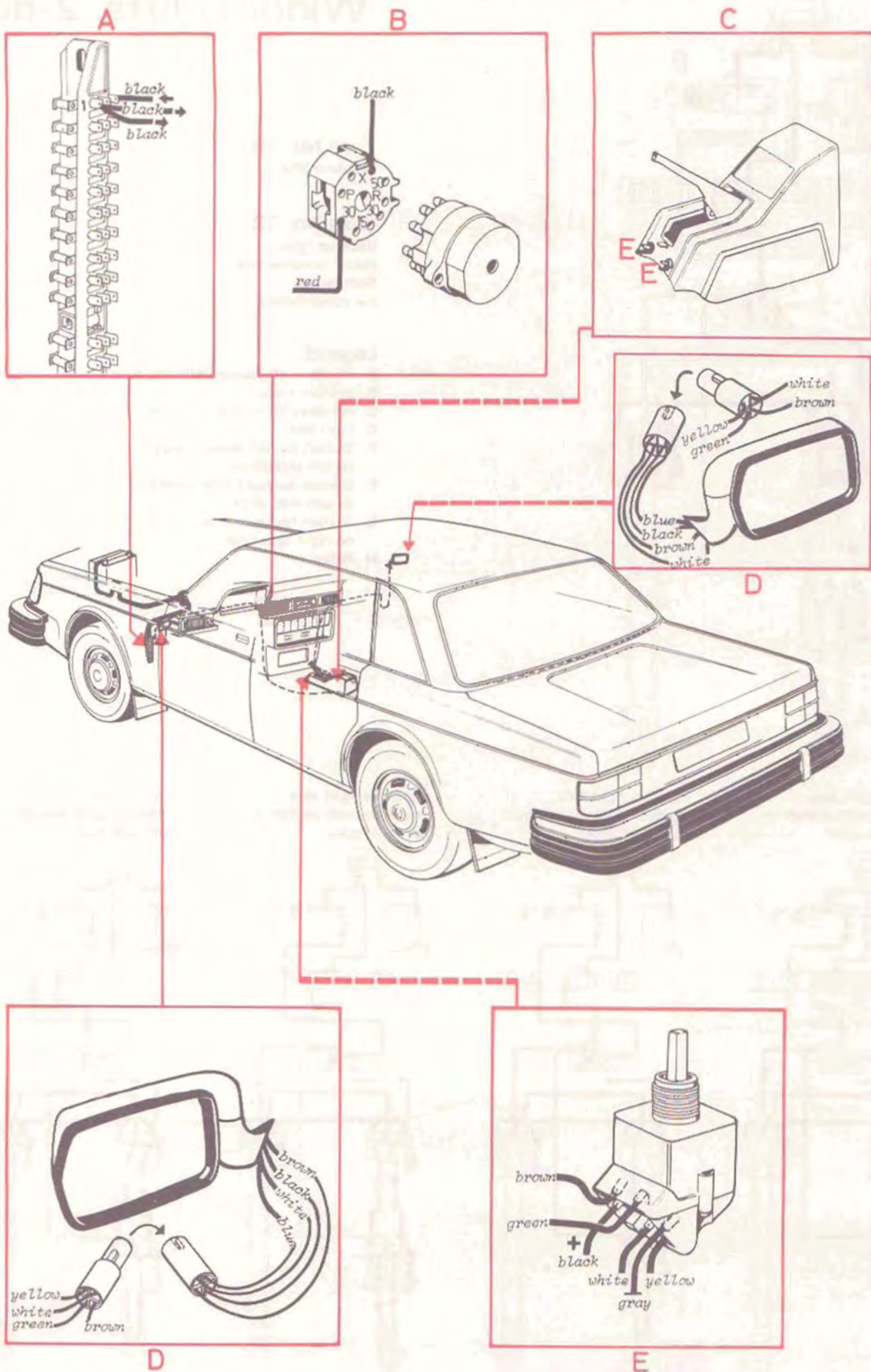
- A Fuse box
- B Ignition switch
- C Cover, parking brake
- D Electrically operated mirrors
- E Switches

Operation one way.

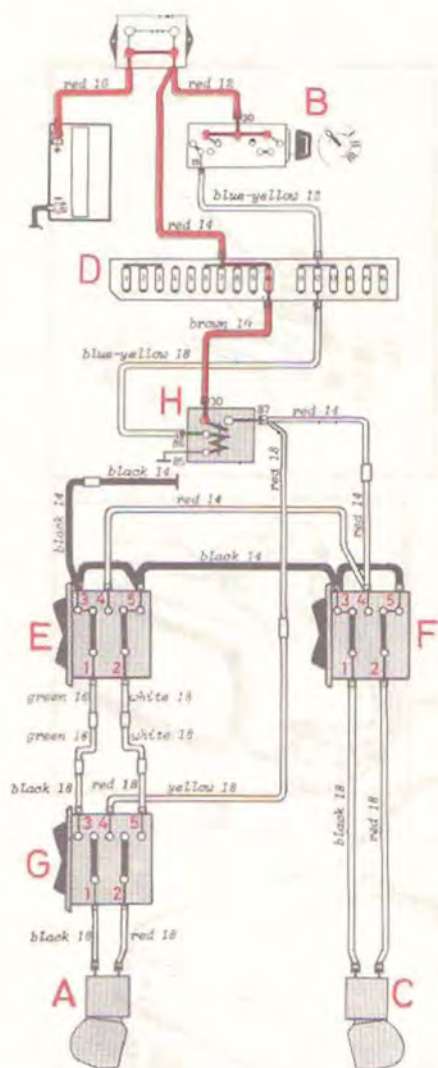


Operation other way.





Window lifts, 2-door



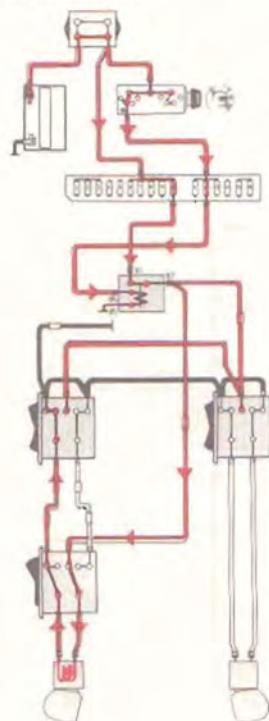
Fuse No. 10:
Window lifts

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

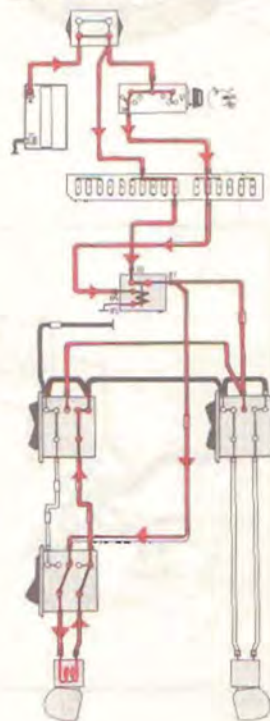
Legend:

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

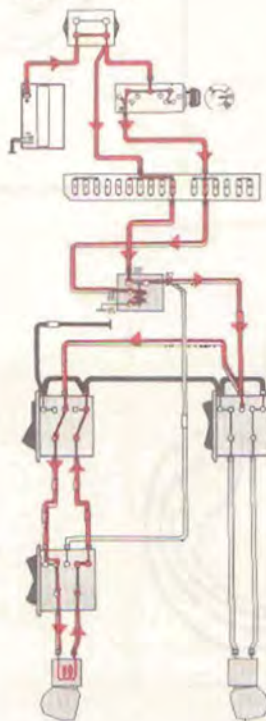
Closing right side window with switch on right side door



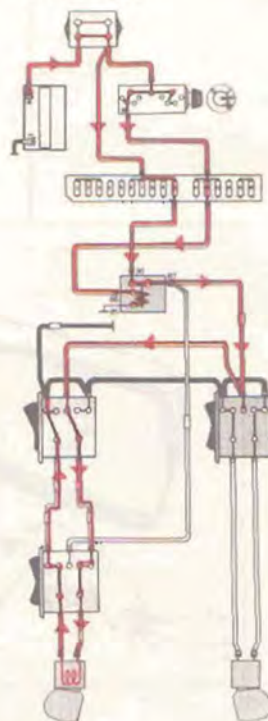
Opening right side window with switch on right side door

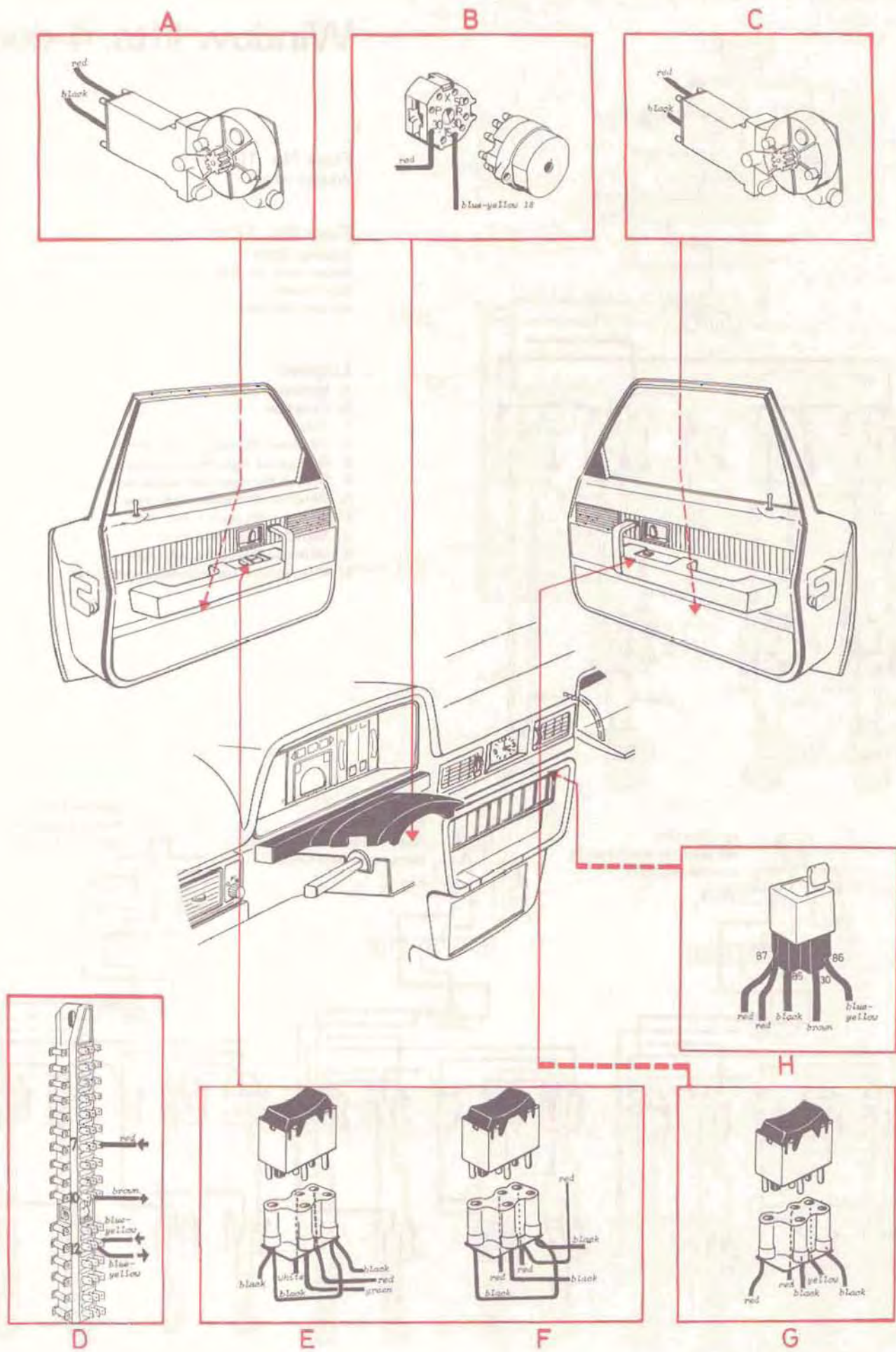


Opening right side window with switch on left side door



Closing right side window with switch on left side door





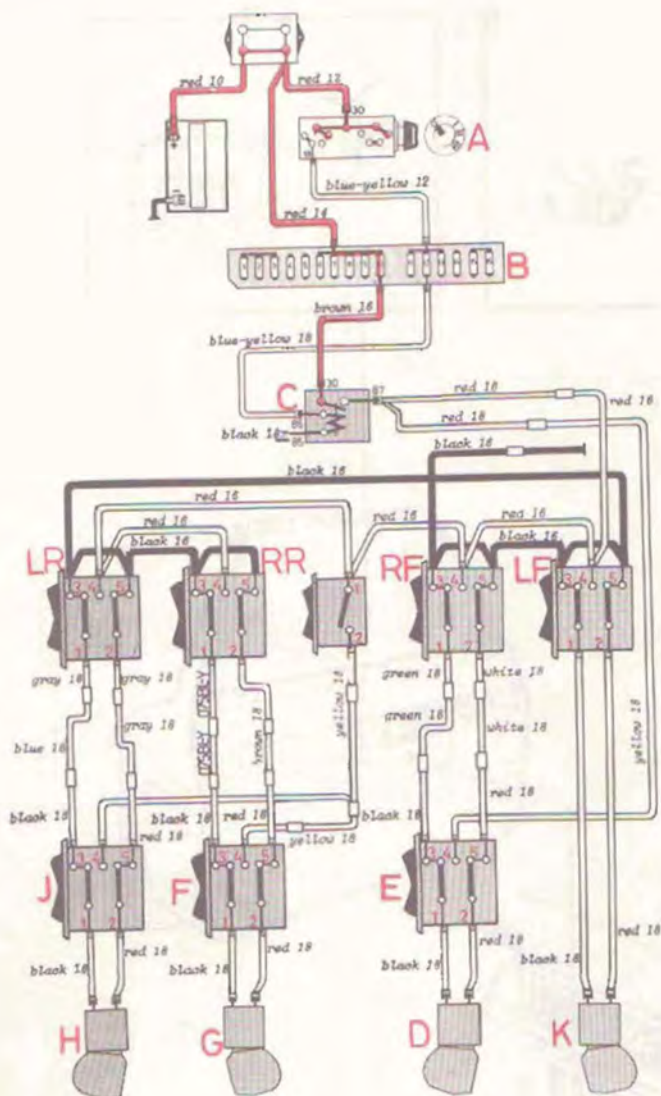
Window lifts, 4-door

Fuse No. 10:
Window lifts

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

Legend:

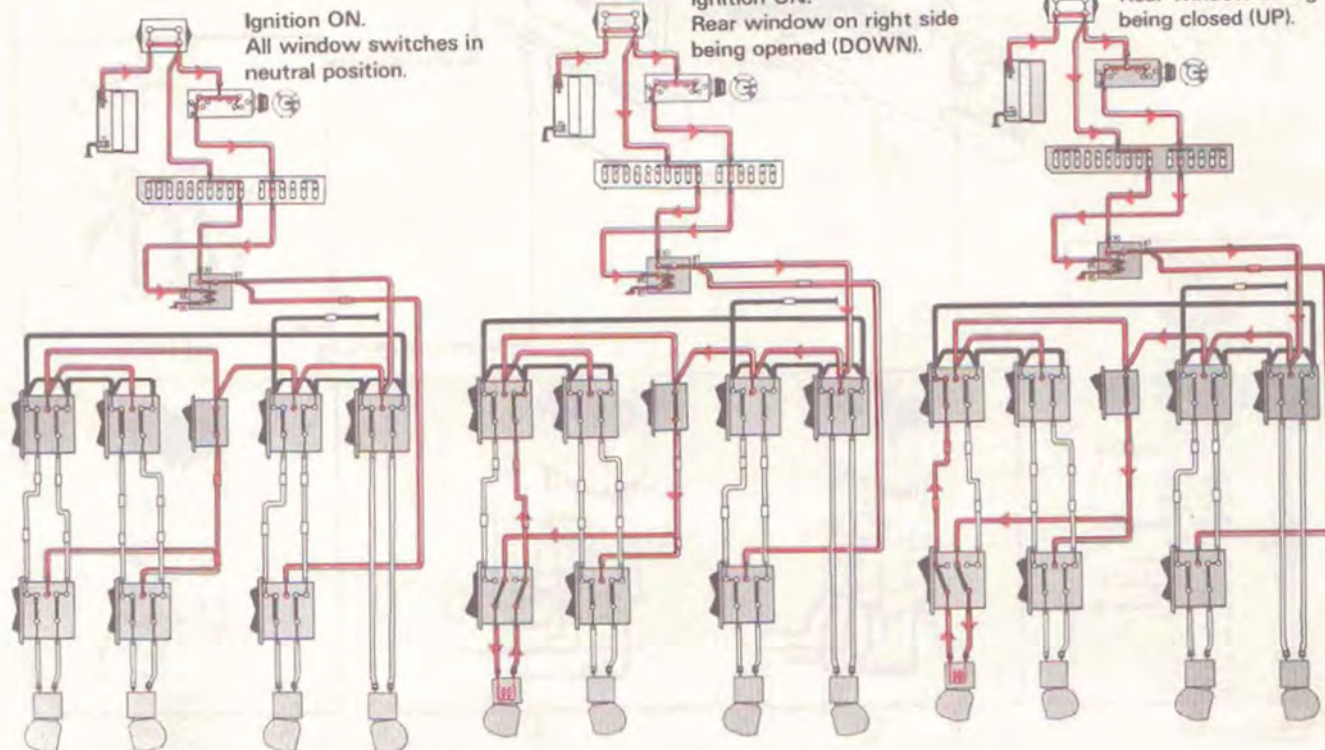
- A Ignition switch
- B Fuse box
- C Relay
- D Window lift motor, right front
- E Switch for right front window
- F Switch for right rear window
- G Window lift motor, right rear
- H Window lift motor, left rear
- J Switch for left rear window
- K Window lift motor, left front
- L Main switch for rear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

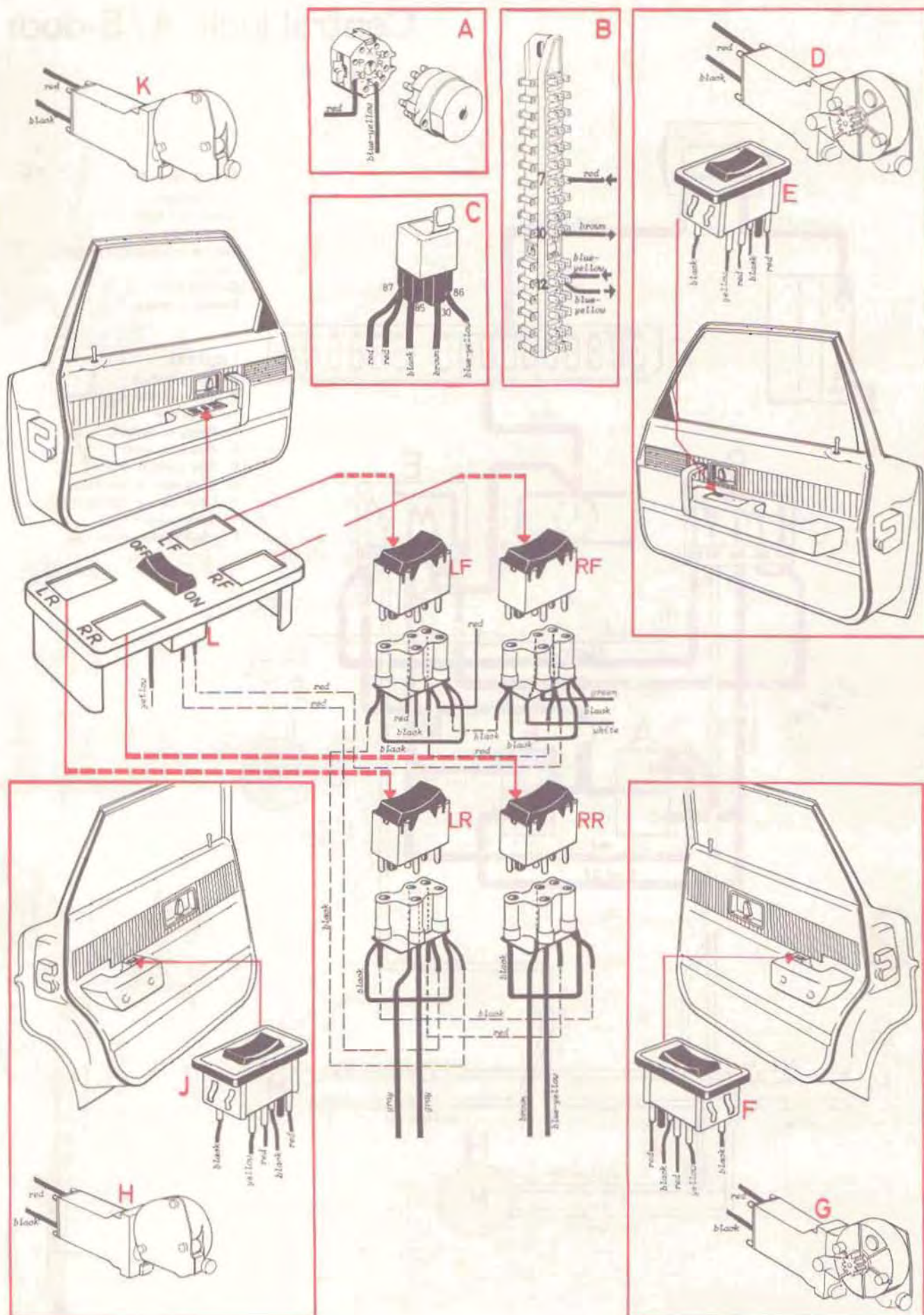


Ignition ON.
All window switches in
neutral position.

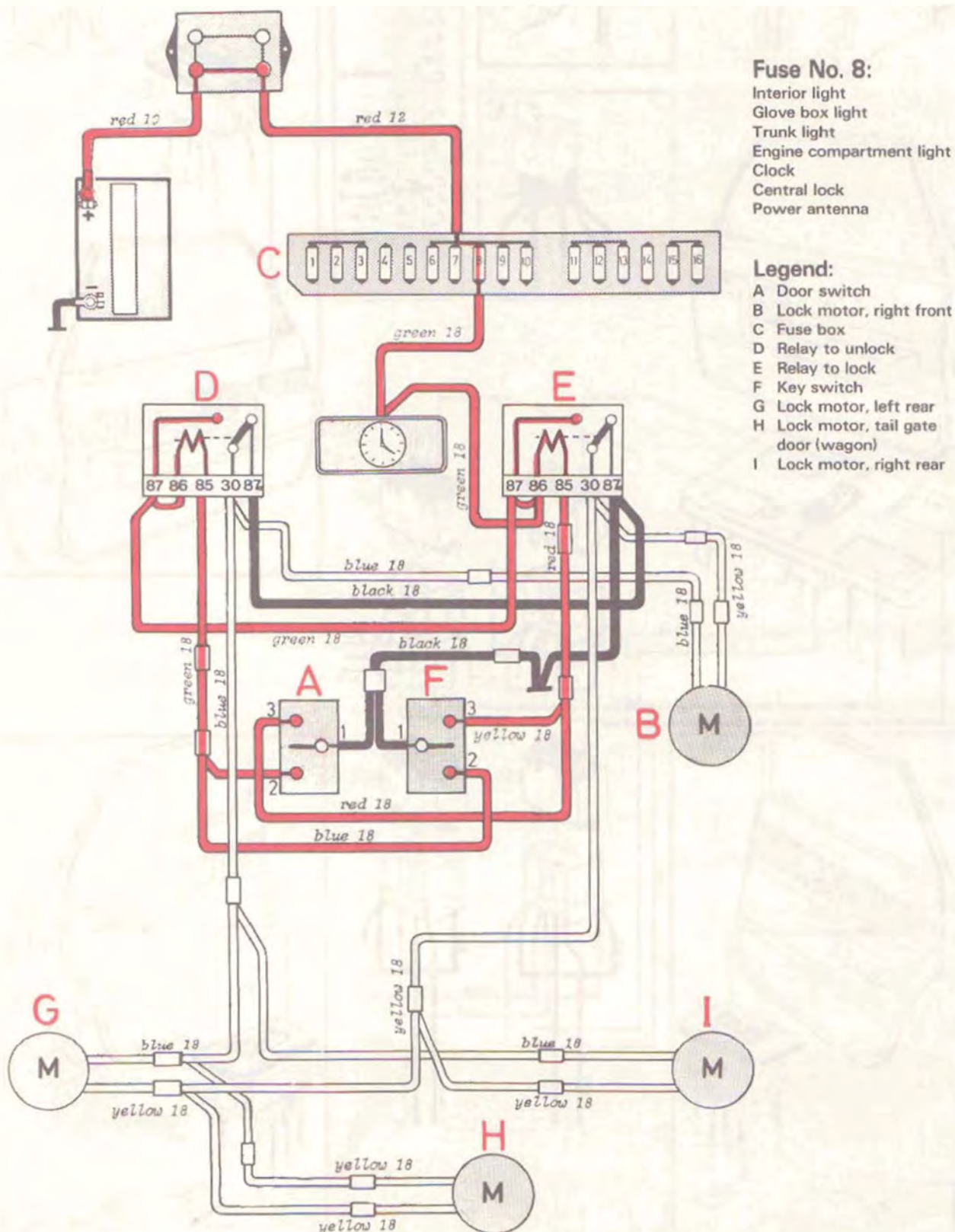
Ignition ON.
Rear window on right side
being opened (DOWN).

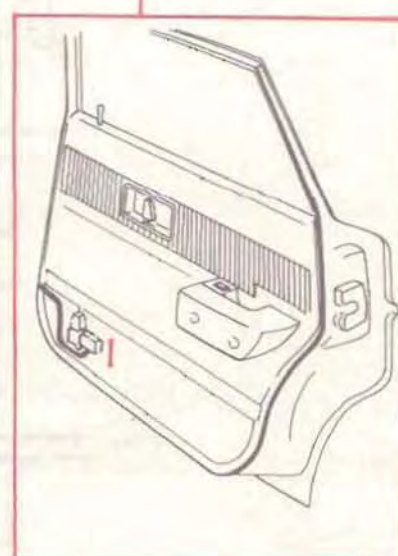
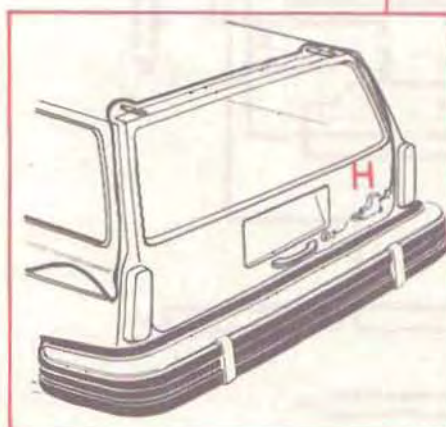
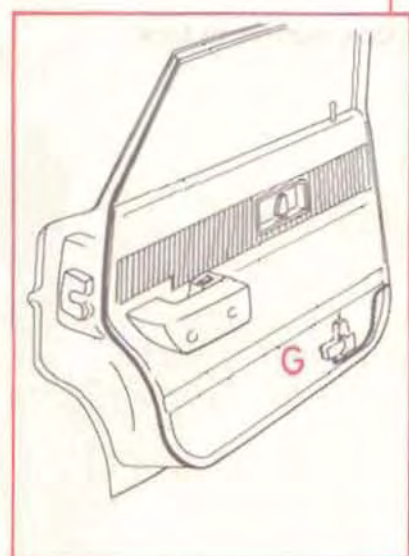
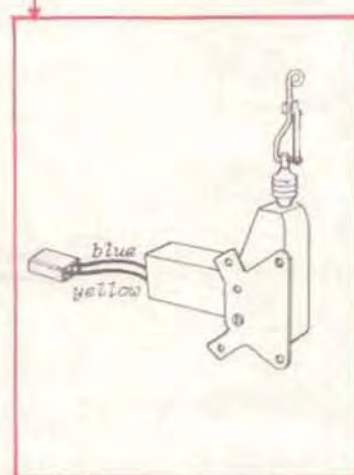
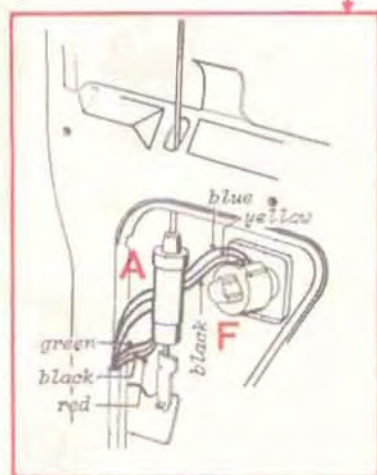
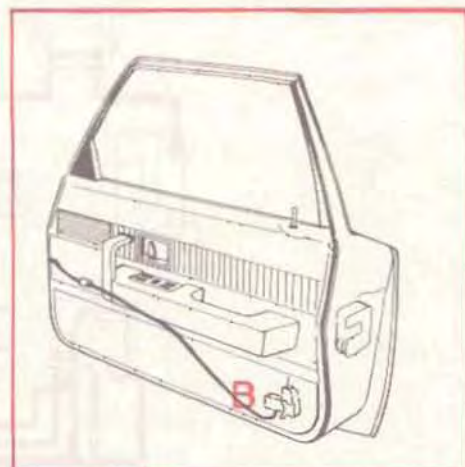
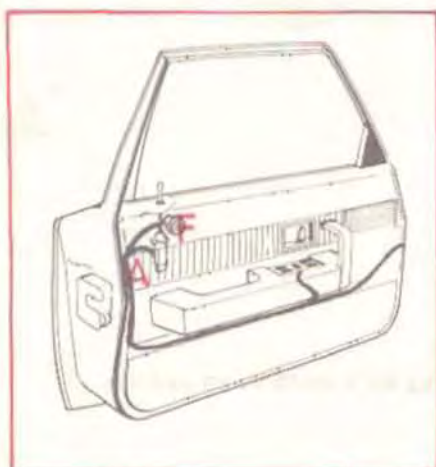
Ignition ON.
Rear window on right side
being closed (UP).

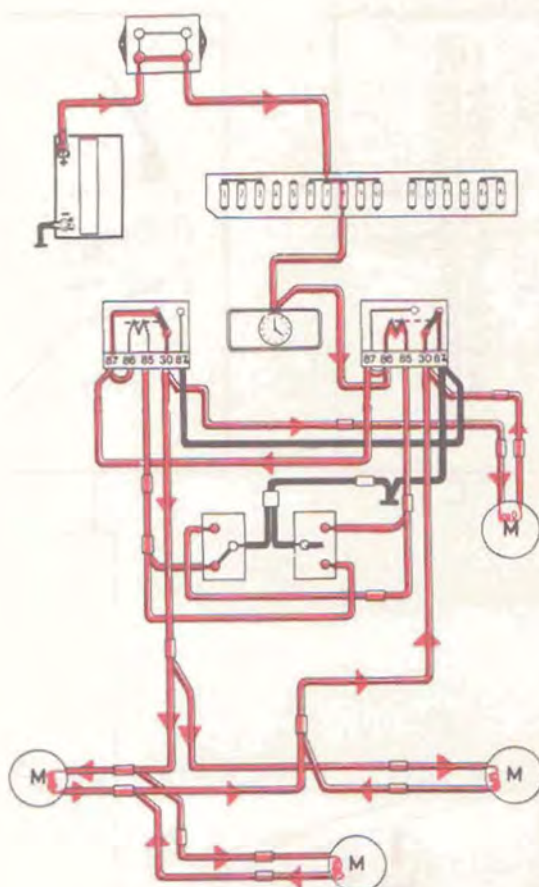




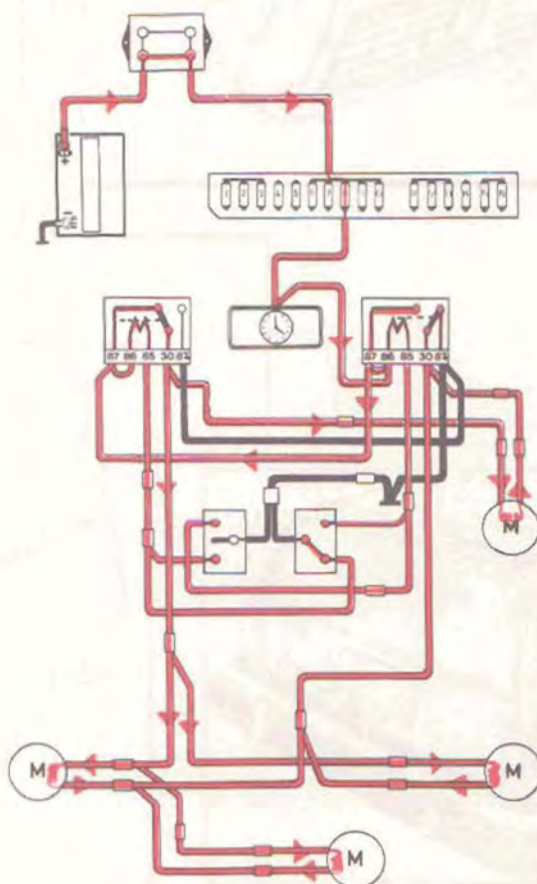
Central lock, 4/5-door



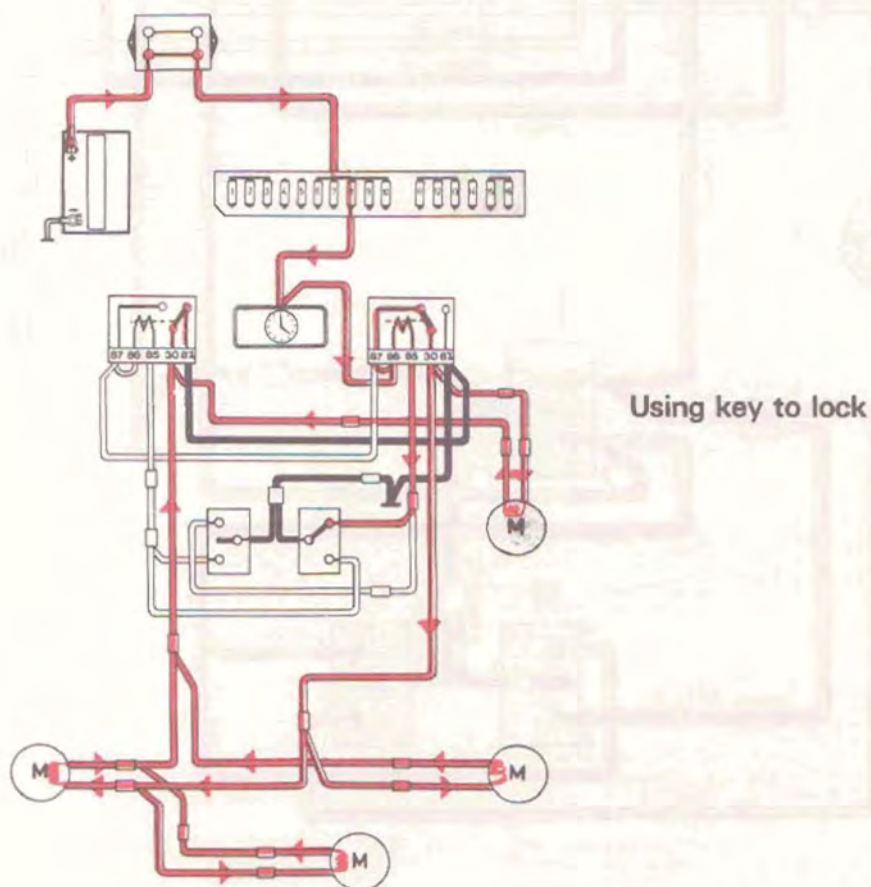
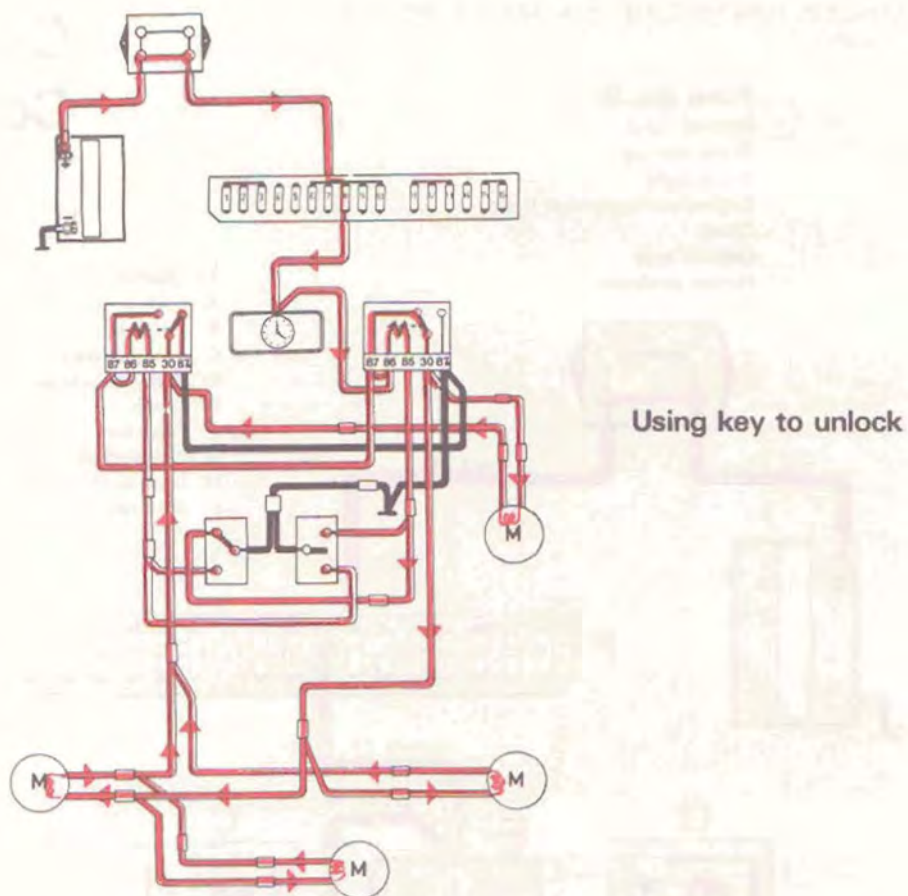




Using lock button to unlock



Using lock button to lock



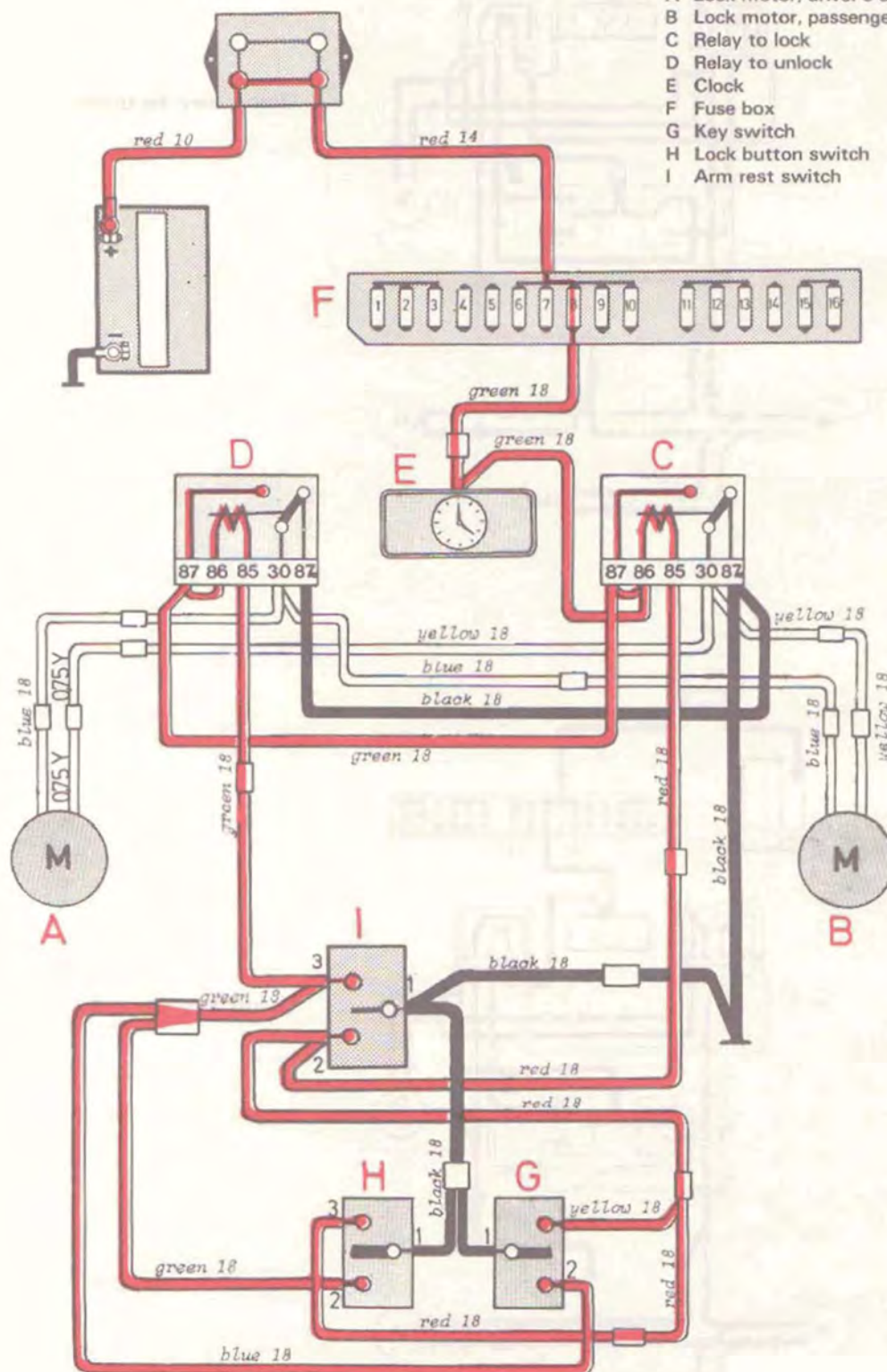
Central lock, Coupe

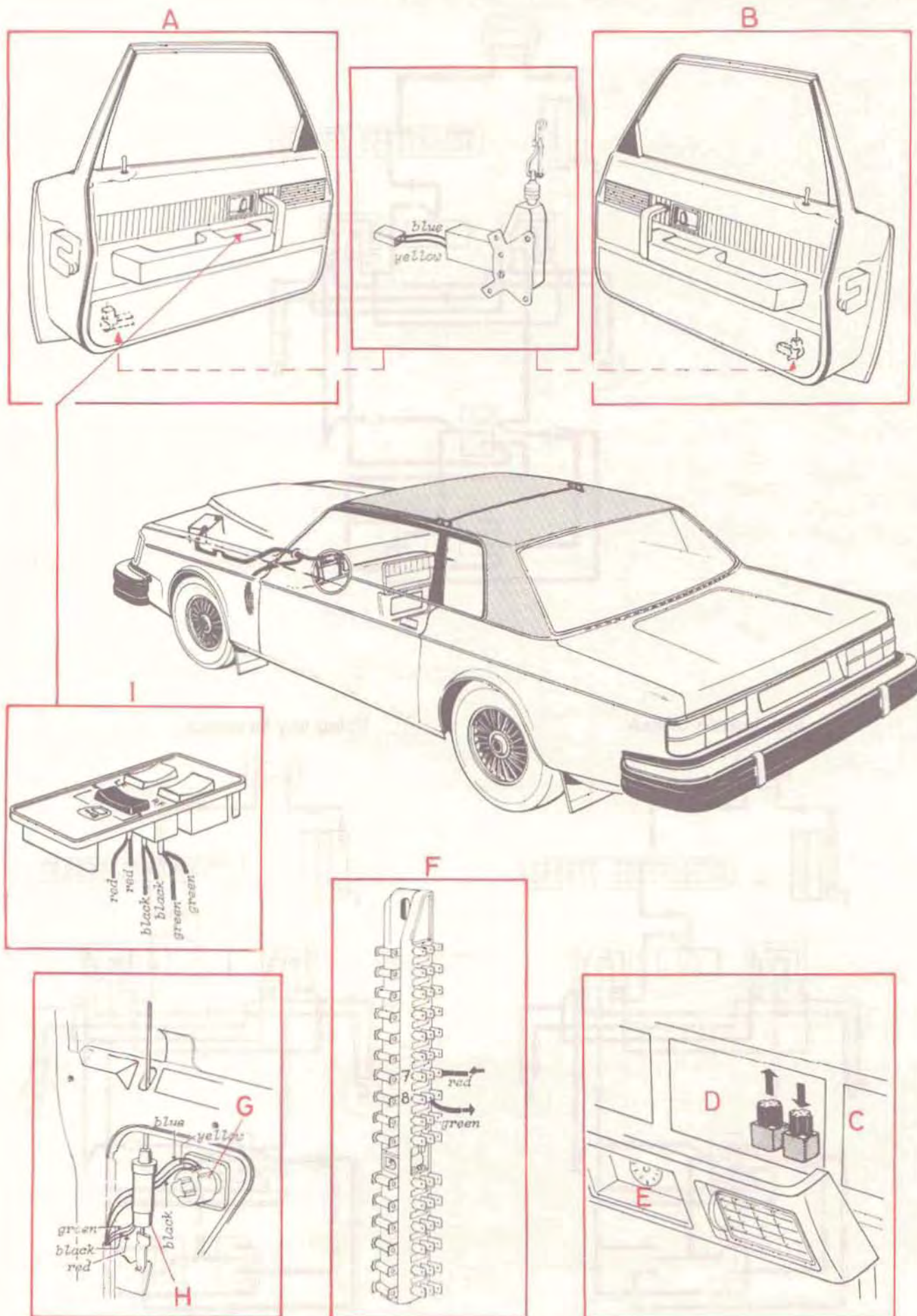
Fuse No. 8:

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

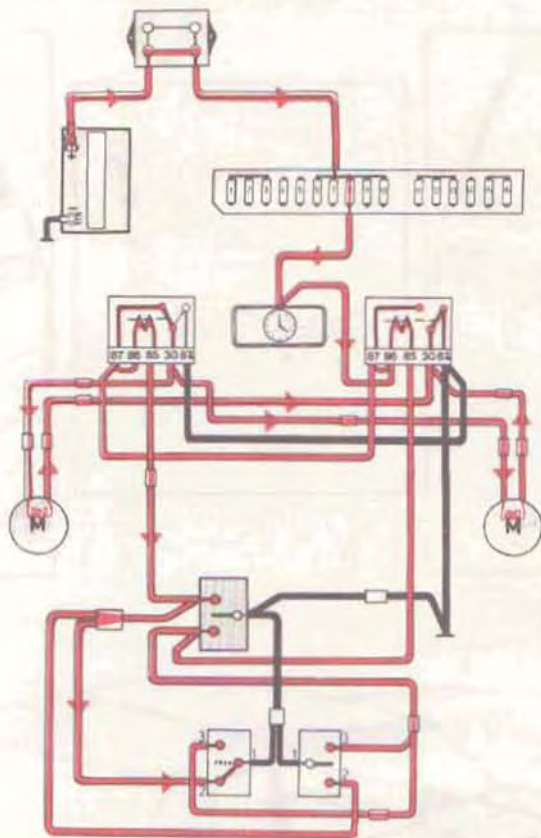
Legend:

- 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

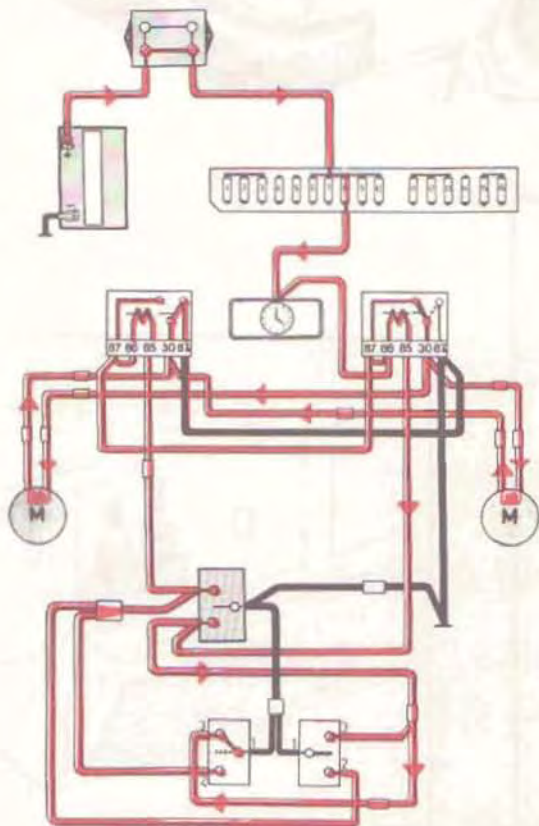




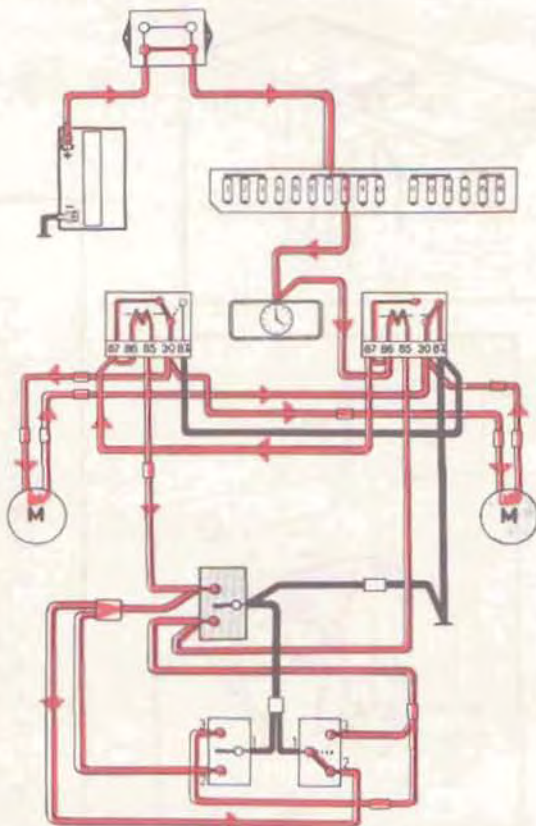
Using lock button to unlock



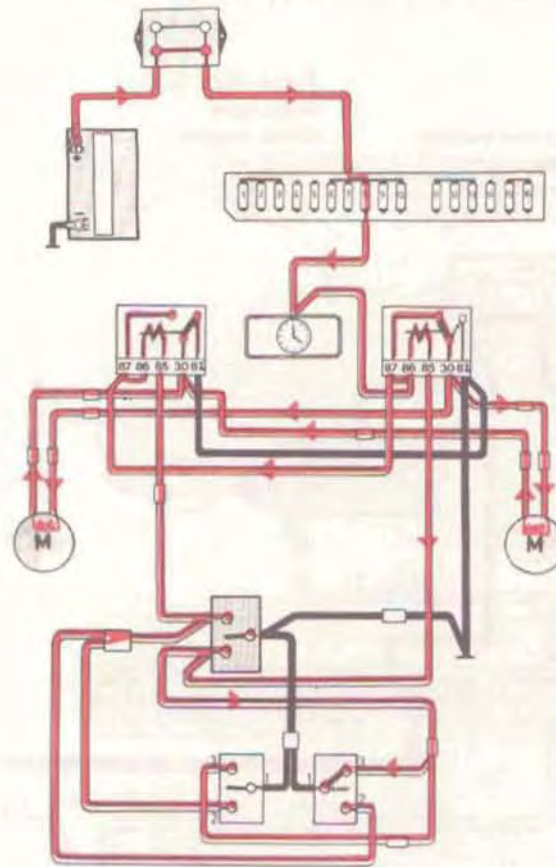
Using lock button to lock



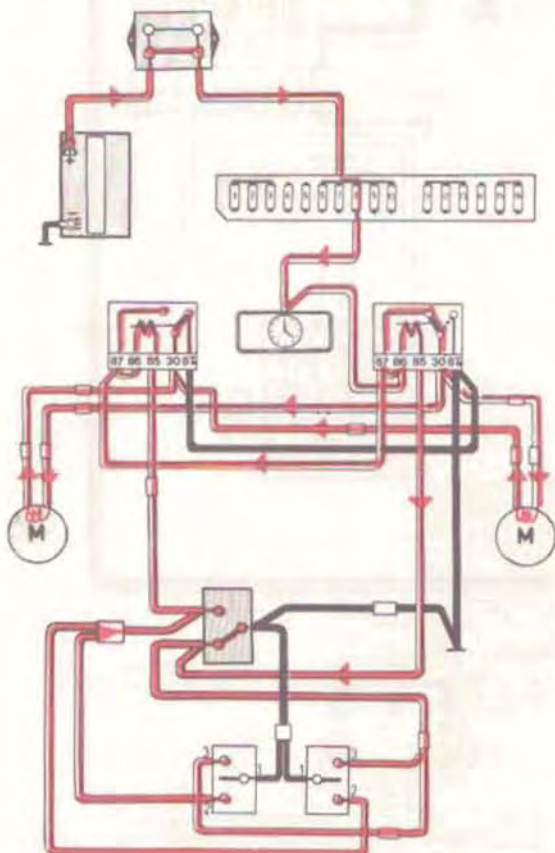
Using key to unlock



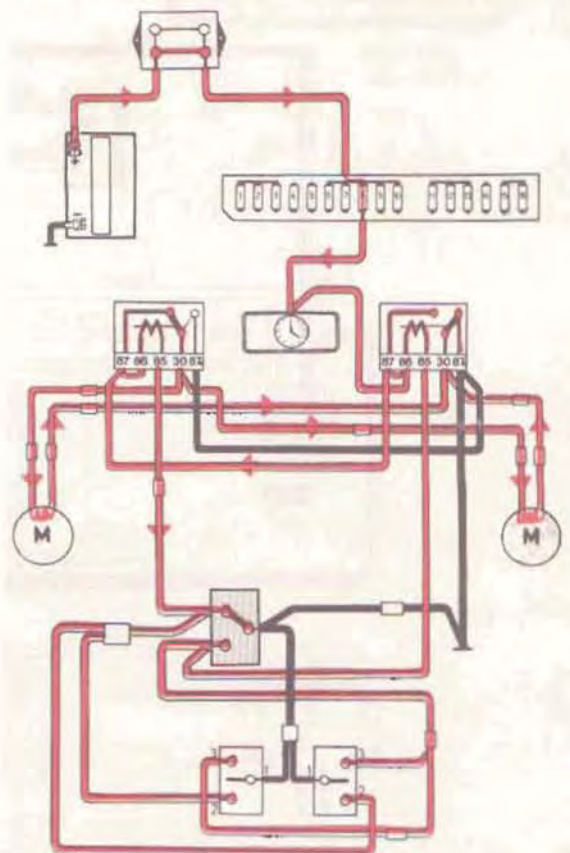
Using key to lock



Using arm rest switch to lock



Using arm rest switch to unlock



Cruise control

Fuse No. 1:

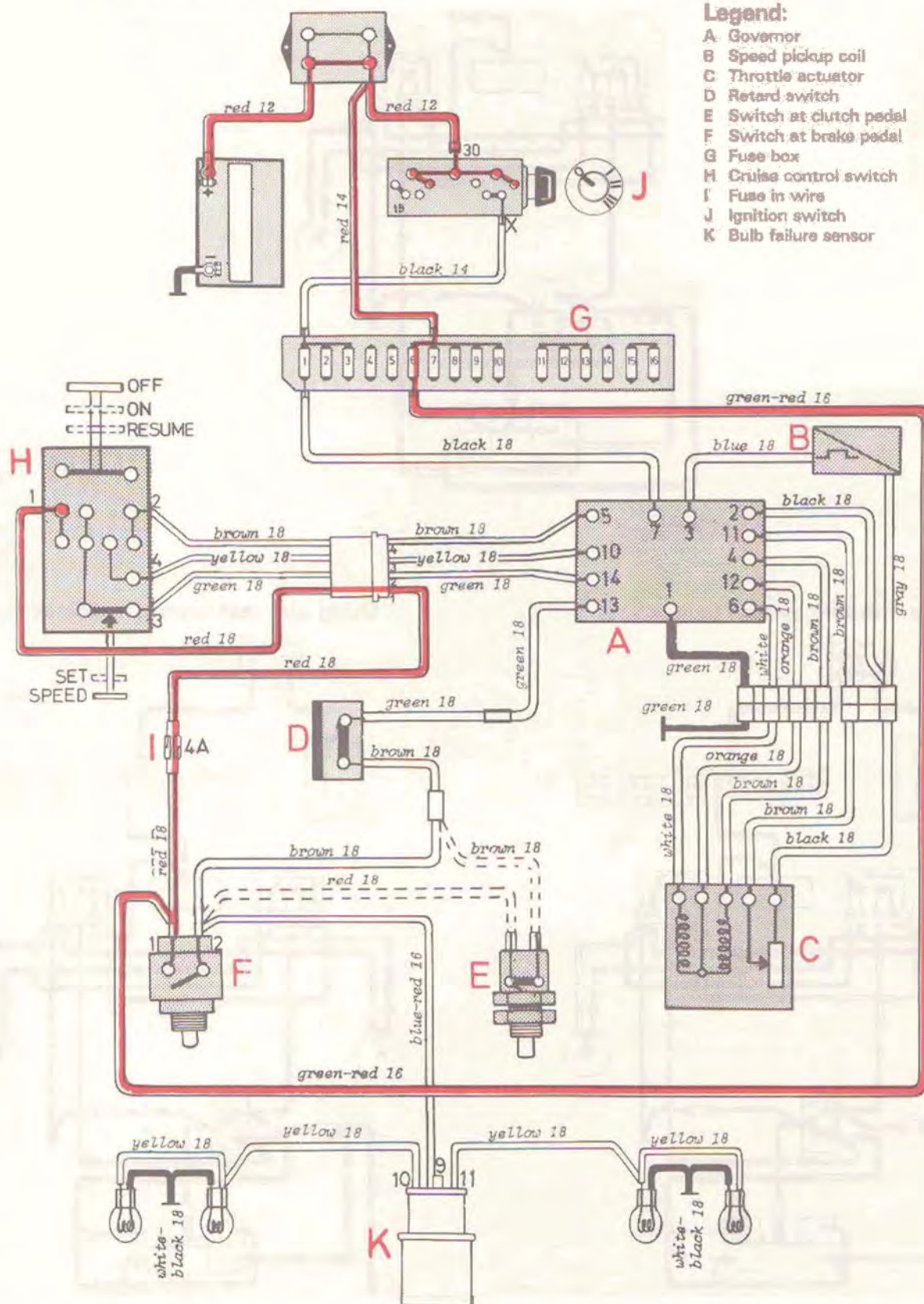
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)
Cruise control

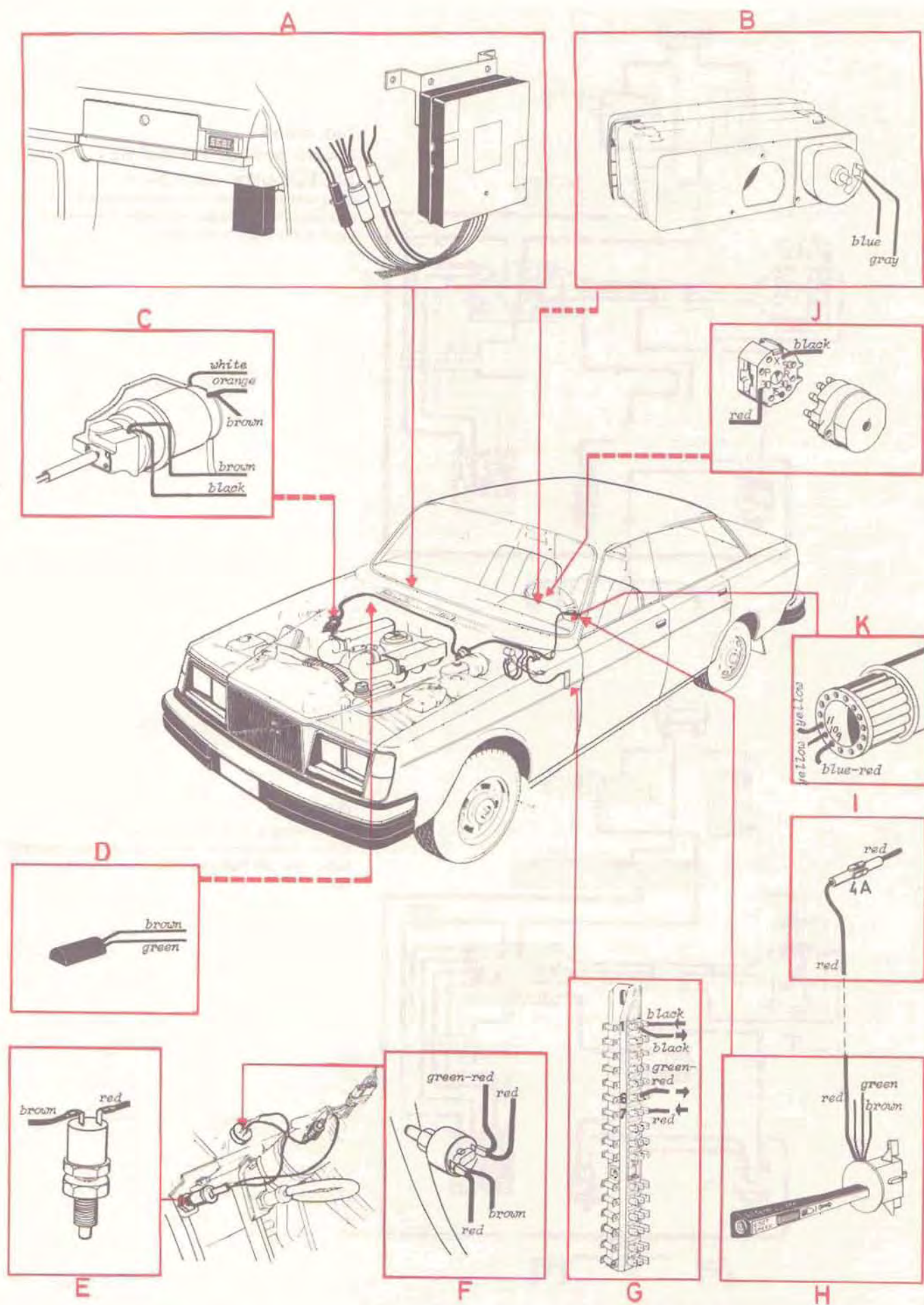
Fuse No. 6:

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



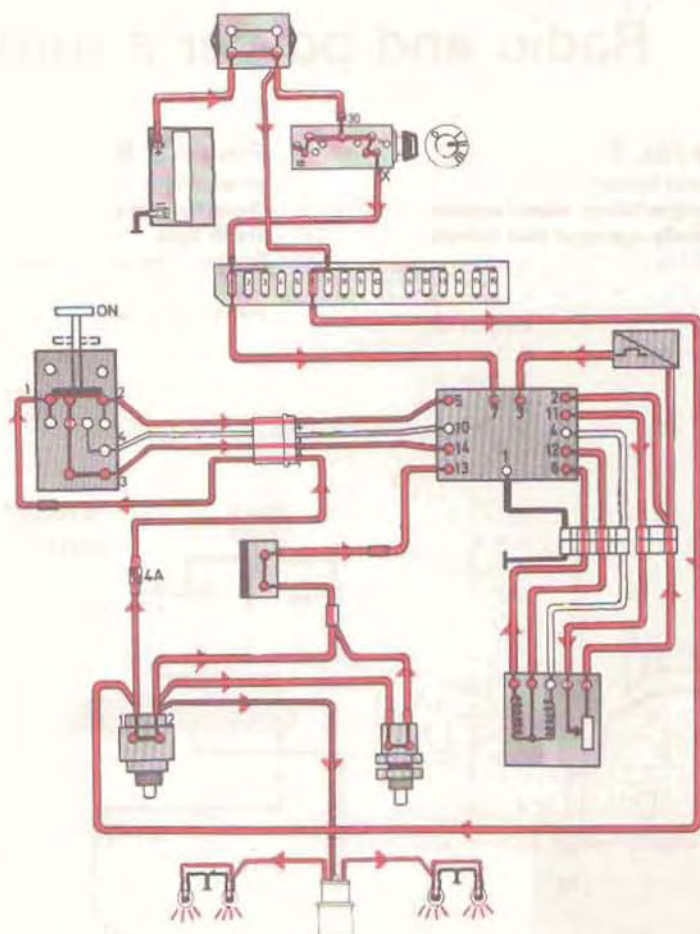




Relay and vacuum valve in throttle actuator grounded through brake light bulbs. Current is too small to illuminate brake lights.

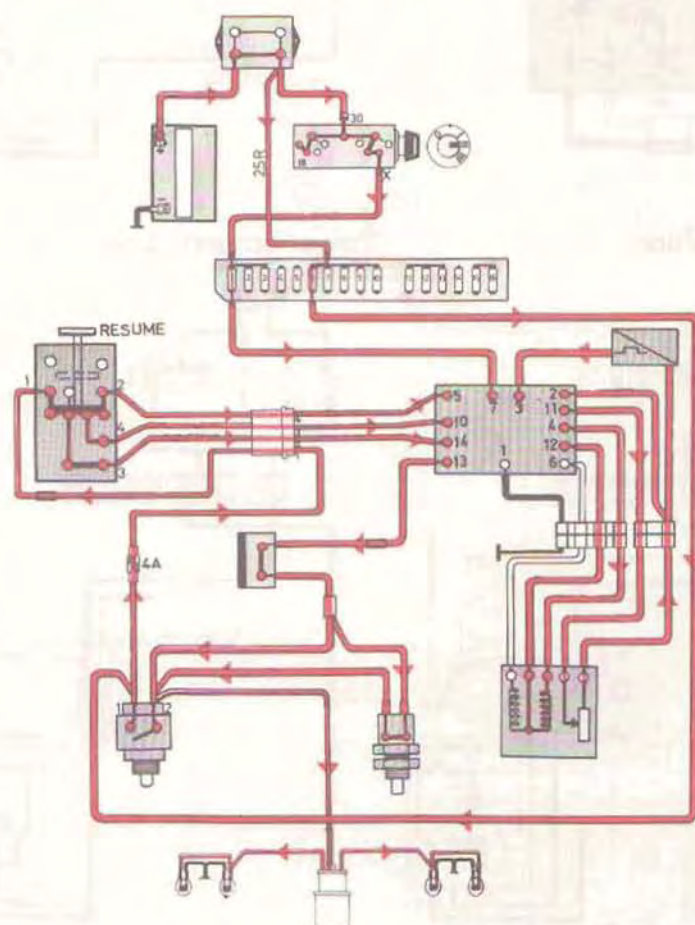


Self-holding relay in throttle actuator receives current from governor terminal 2 (provided speed is higher than 35 mph and brake and clutch not engaged).



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:

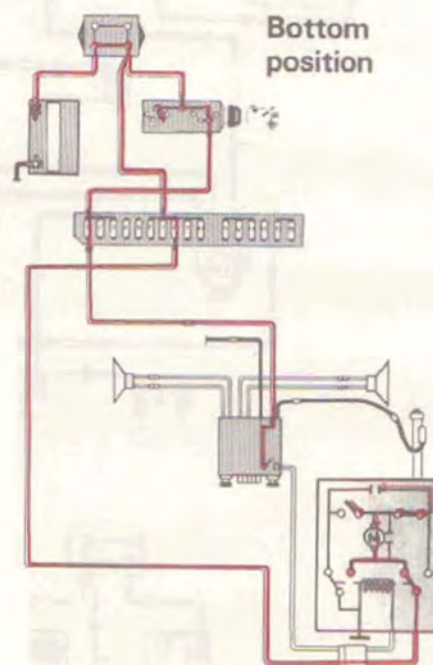
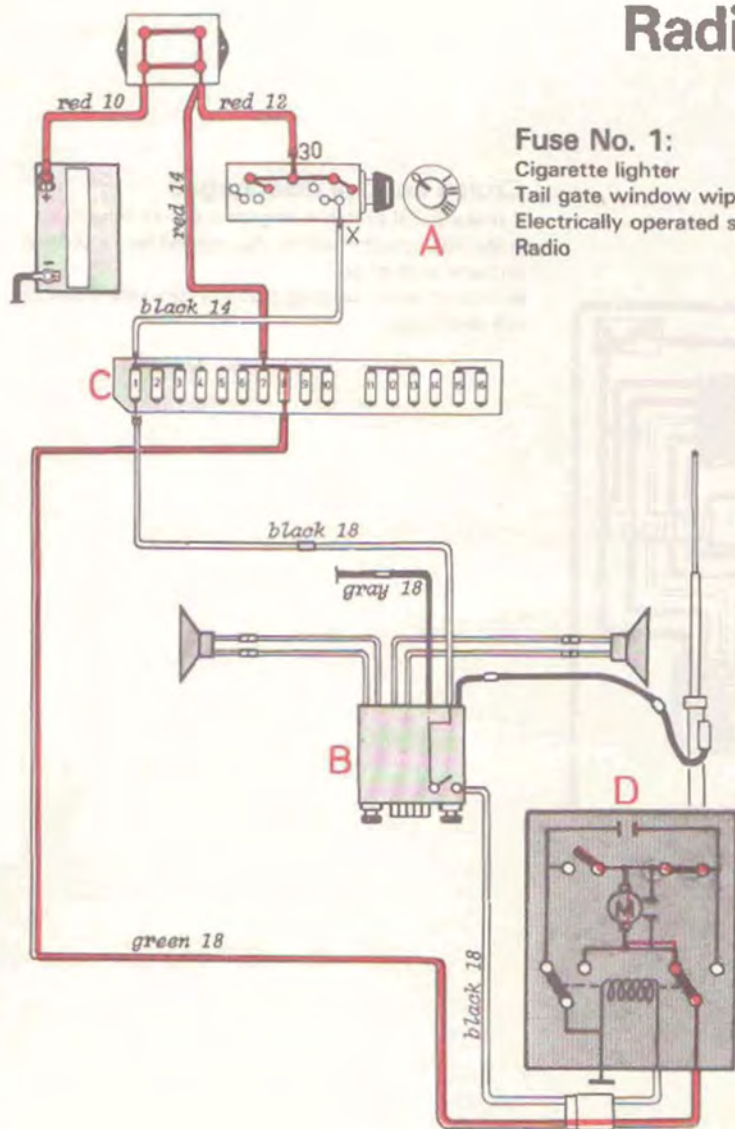
Cigarette lighter
Tail gate window wiper/washer
Electrically operated side mirrors
Radio

Fuse No. 8

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

Legend:

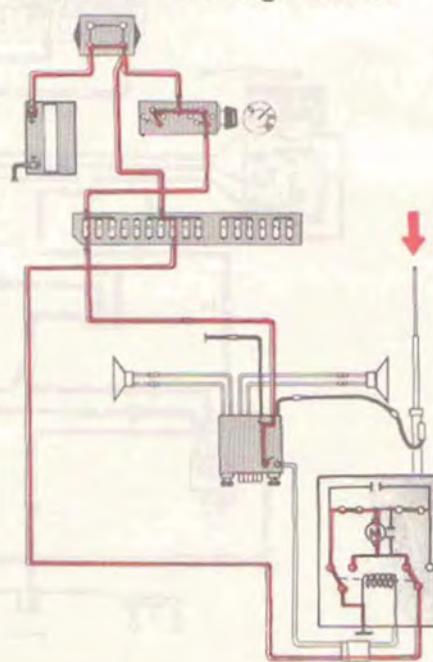
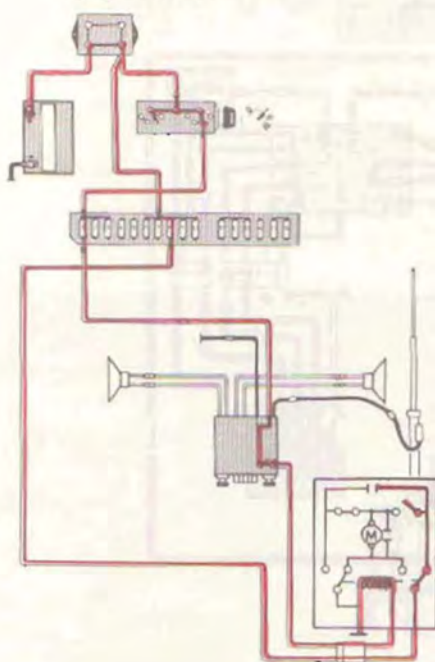
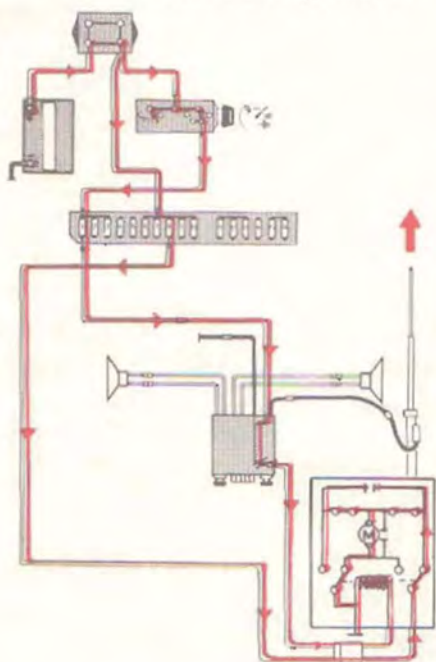
A Ignition switch
B Switch
C Fuse box
D Motor, power antenna

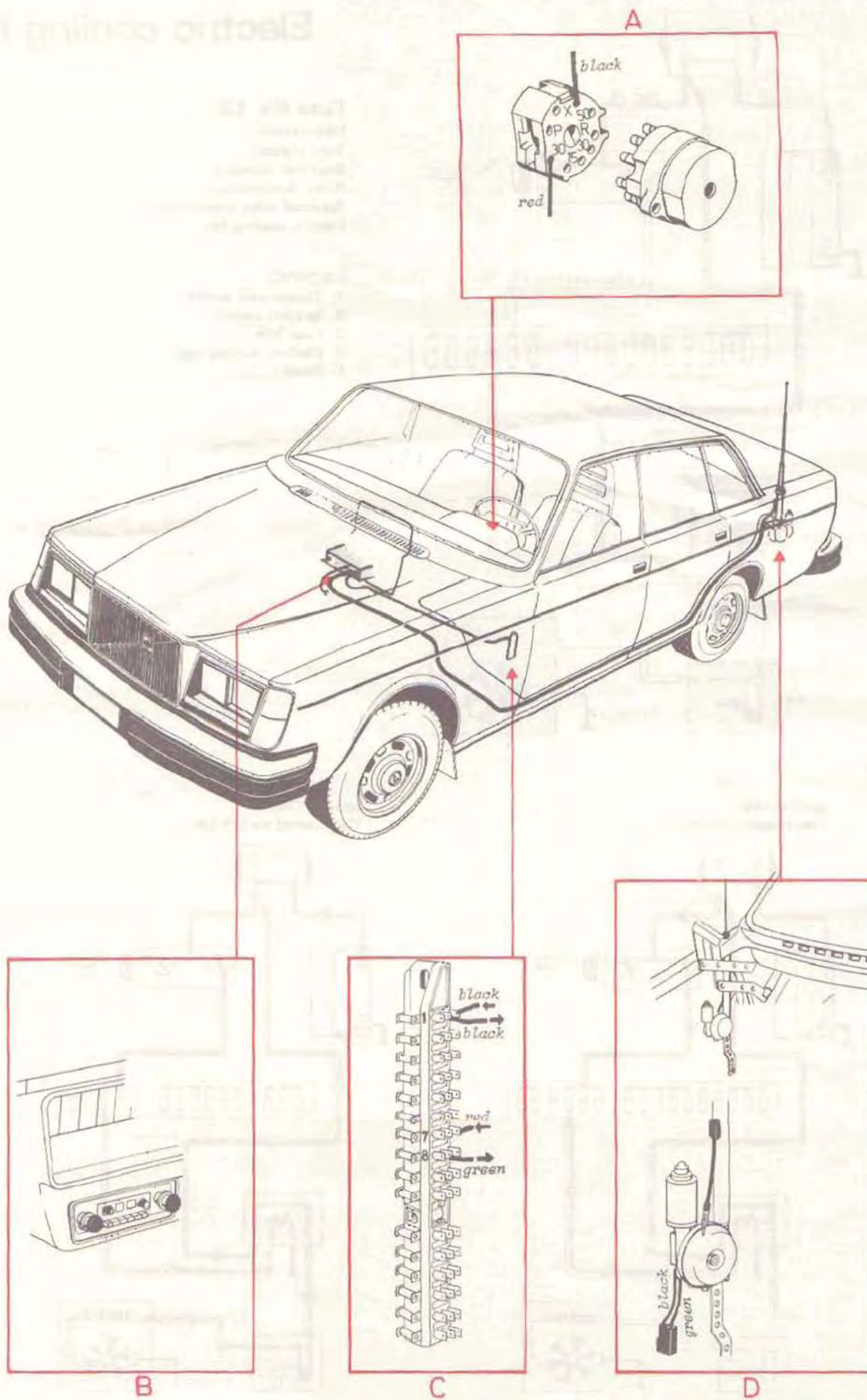


Power antenna being raised

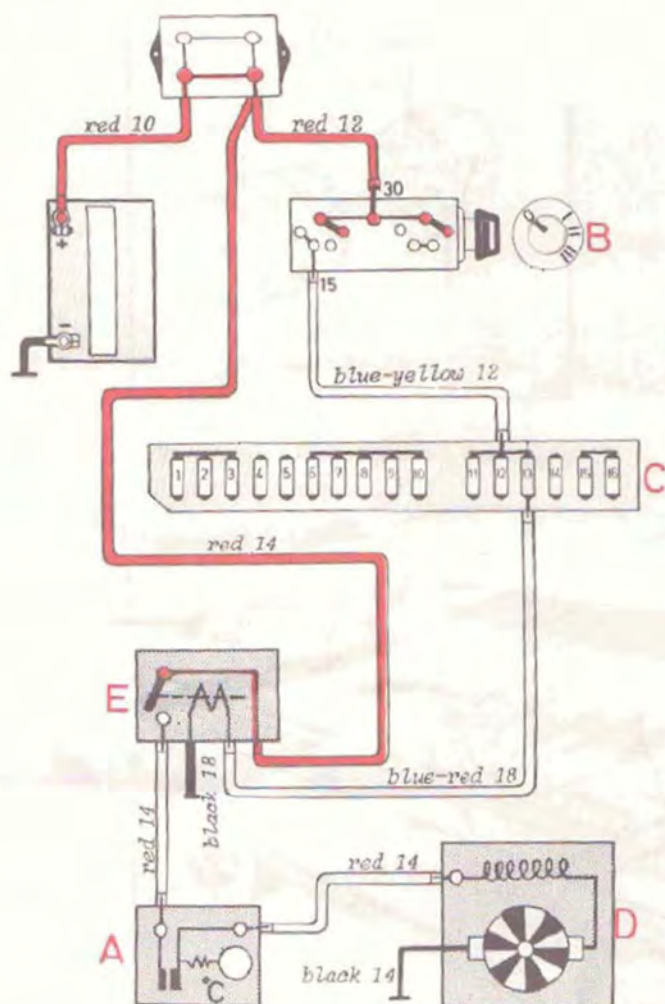
Top position

Power antenna being lowered





Electric cooling fan



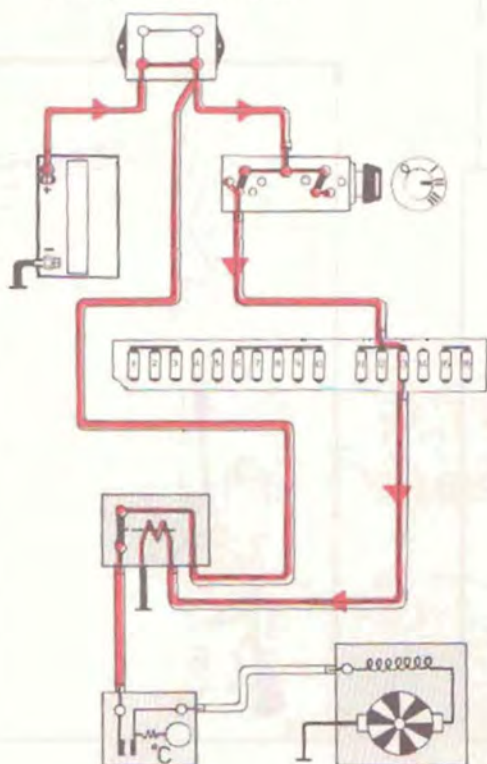
Fuse No. 13:

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

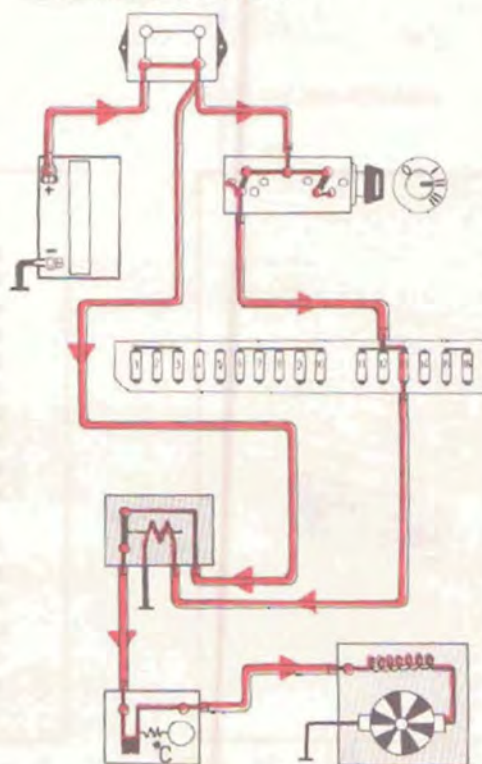
Legend:

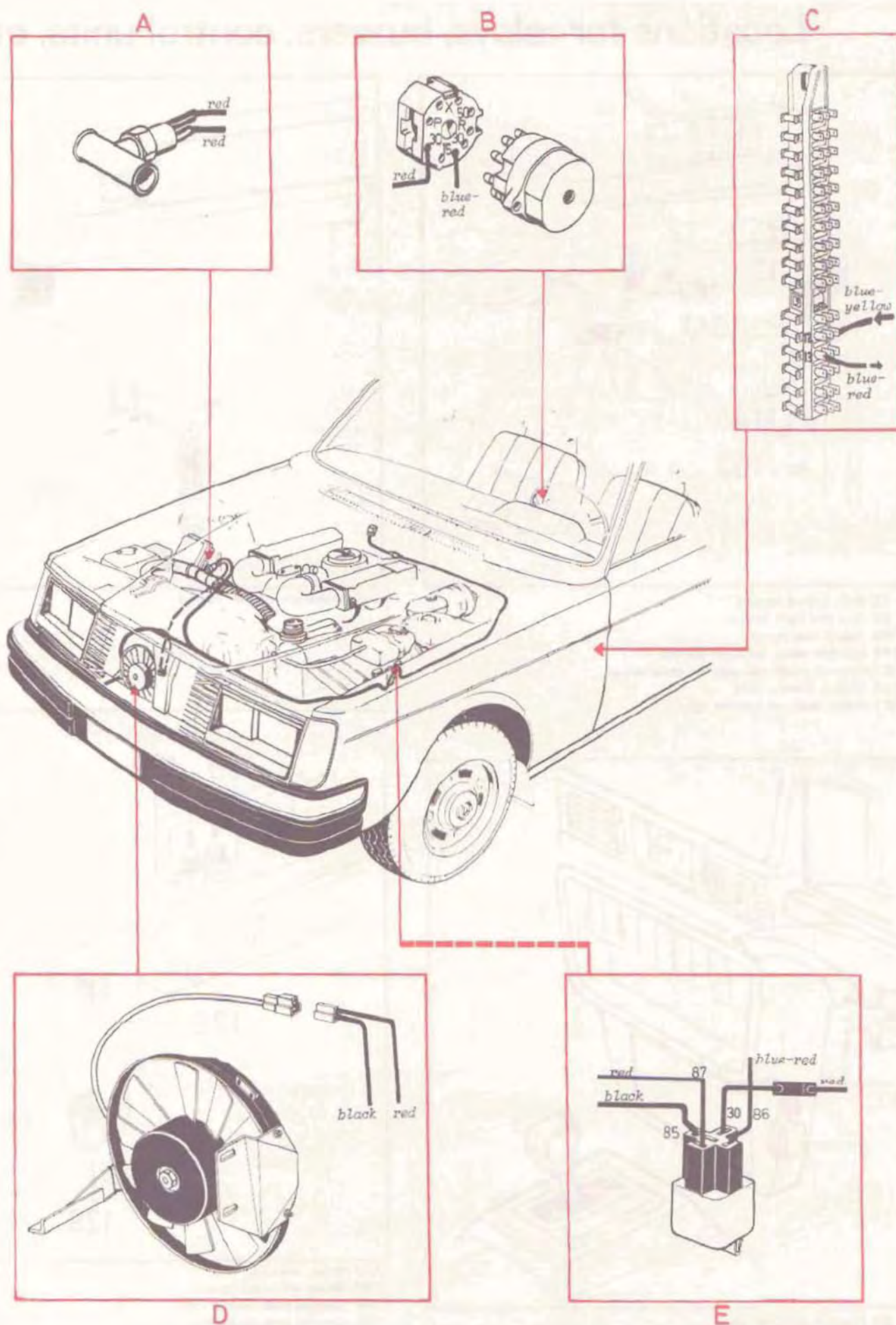
A Thermostat switch
B Ignition switch
C Fuse box
D Electric cooling fan
E Relay

Ignition ON.
Thermostat switch OFF.

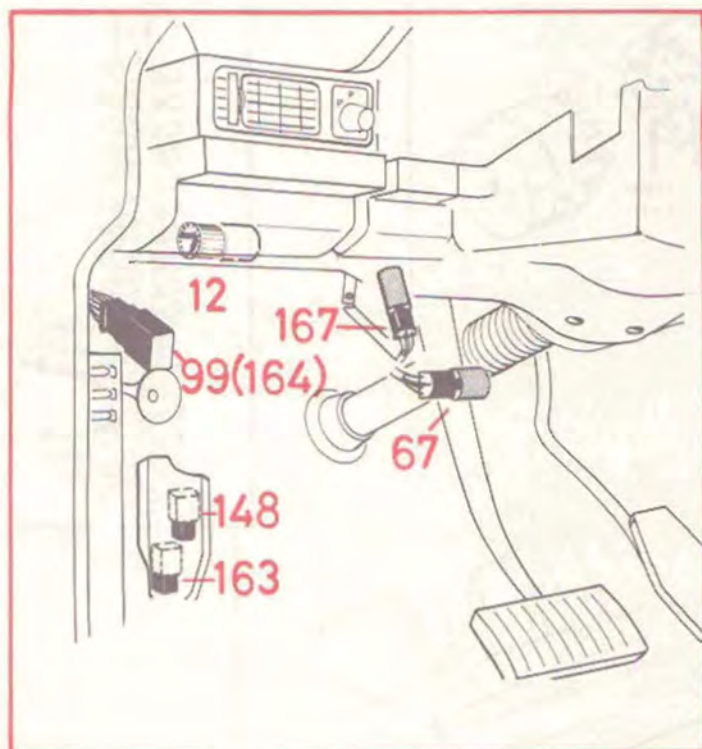


Ignition ON.
Thermostat switch ON.

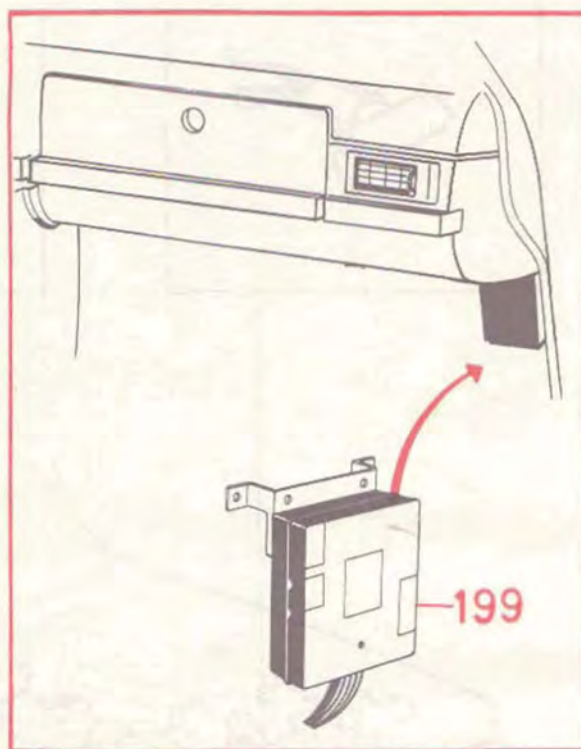




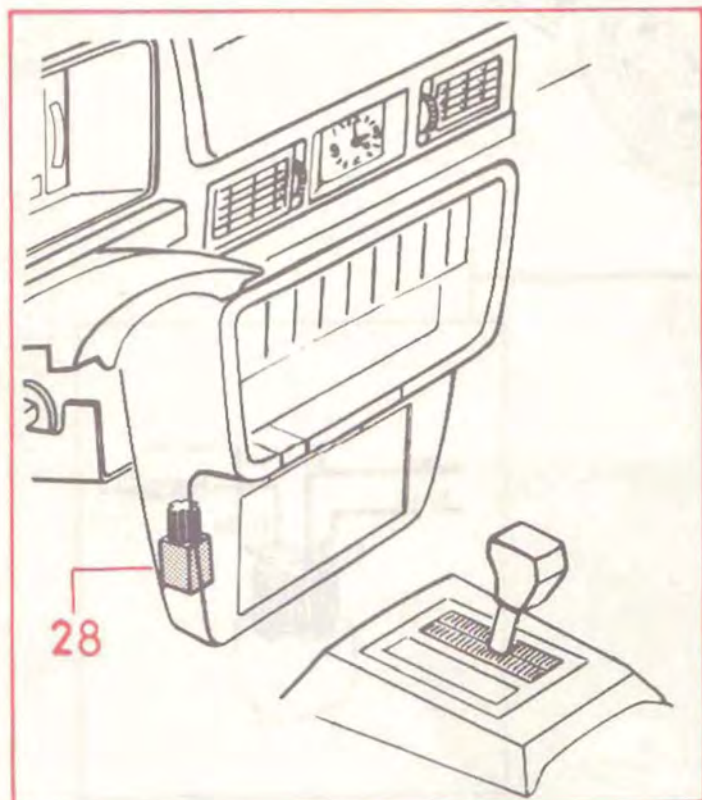
Locations for relays, buzzers, control units, etc



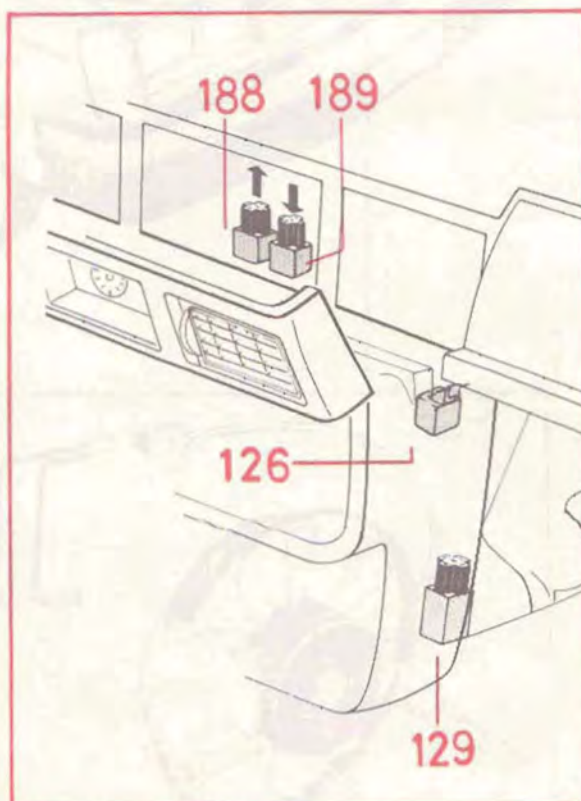
- 12 Bulb failure sensor
- 67 Key and light buzzer
- 99 Relay, fuel pump
- 148 Interval relay, window wipers
- 163 Interval relay, tail gate window wiper
- 164 Diesel, control unit
- 167 Relay, delayed interior light



199 Governor, cruise control



28 Flasher, turn signals



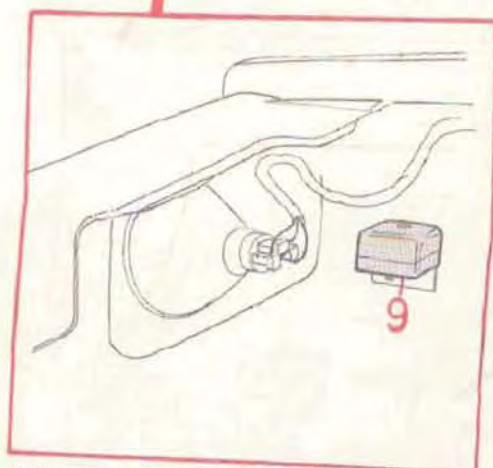
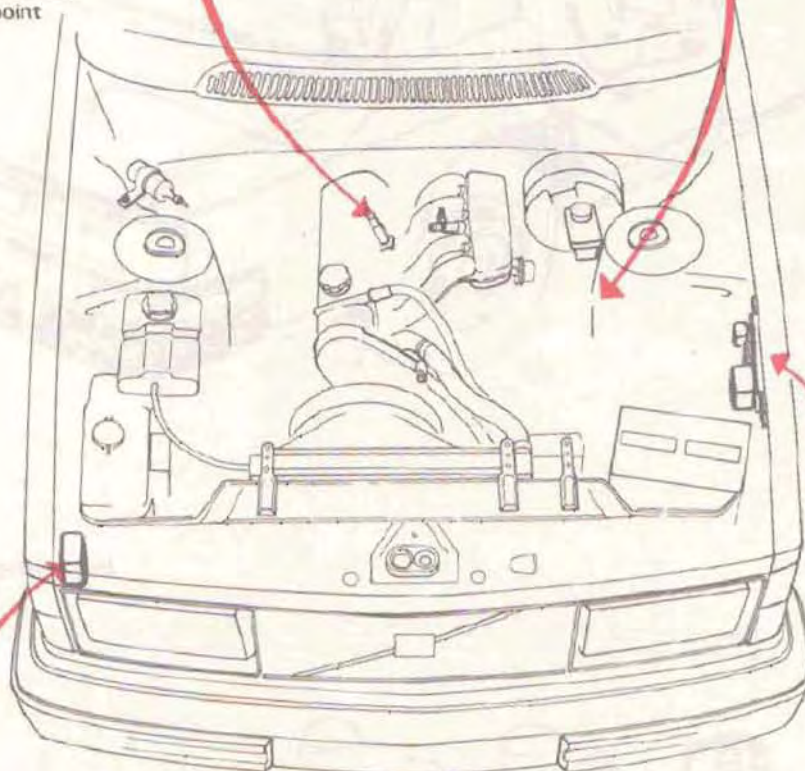
- 126 Relay, window lifts
- 129 Relay, air conditioning
- 188 Central lock, unlock relay
- 189 Central lock, lock relay



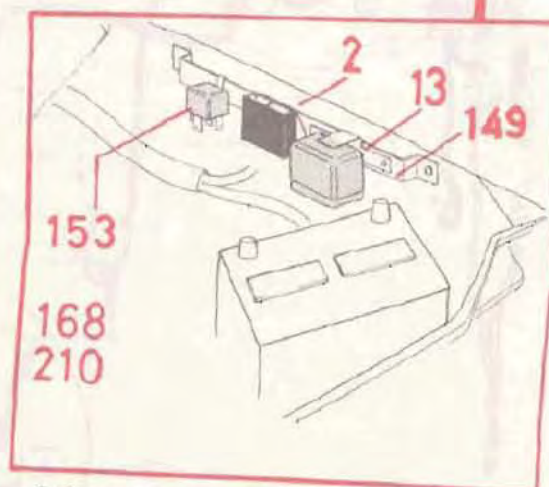
119 Test instrument pick-up point



165 Diesel glow plug relay



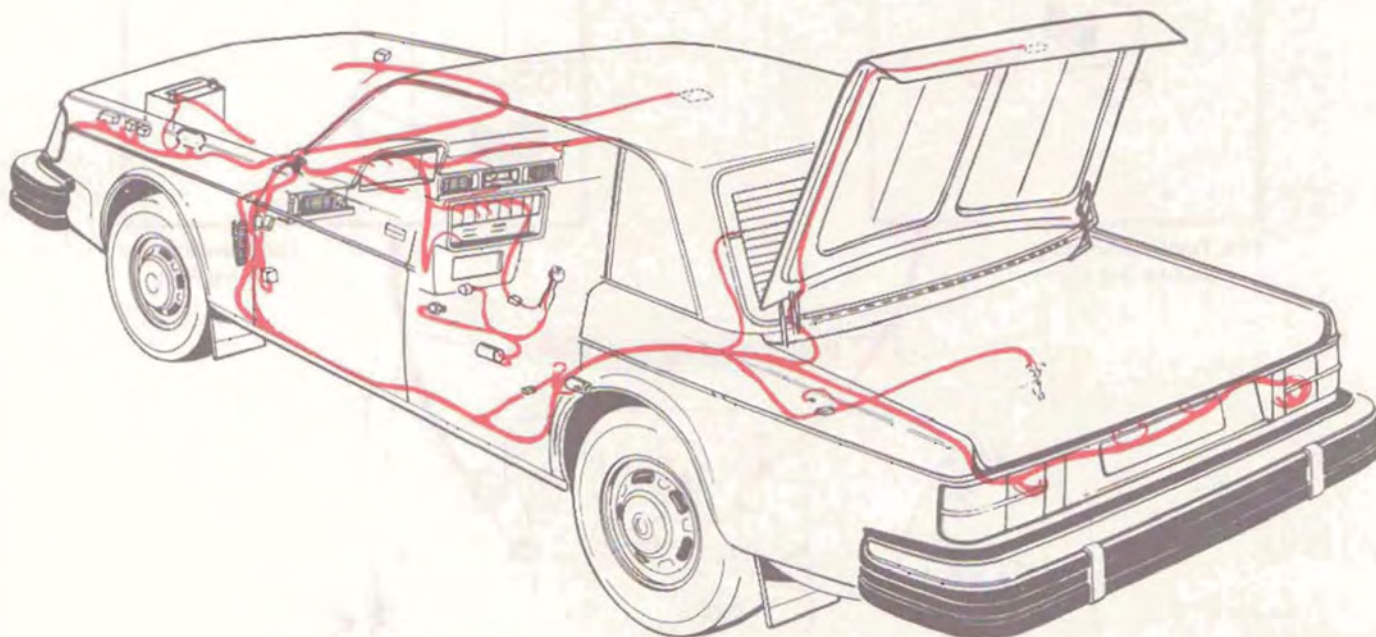
9 Voltage regulator



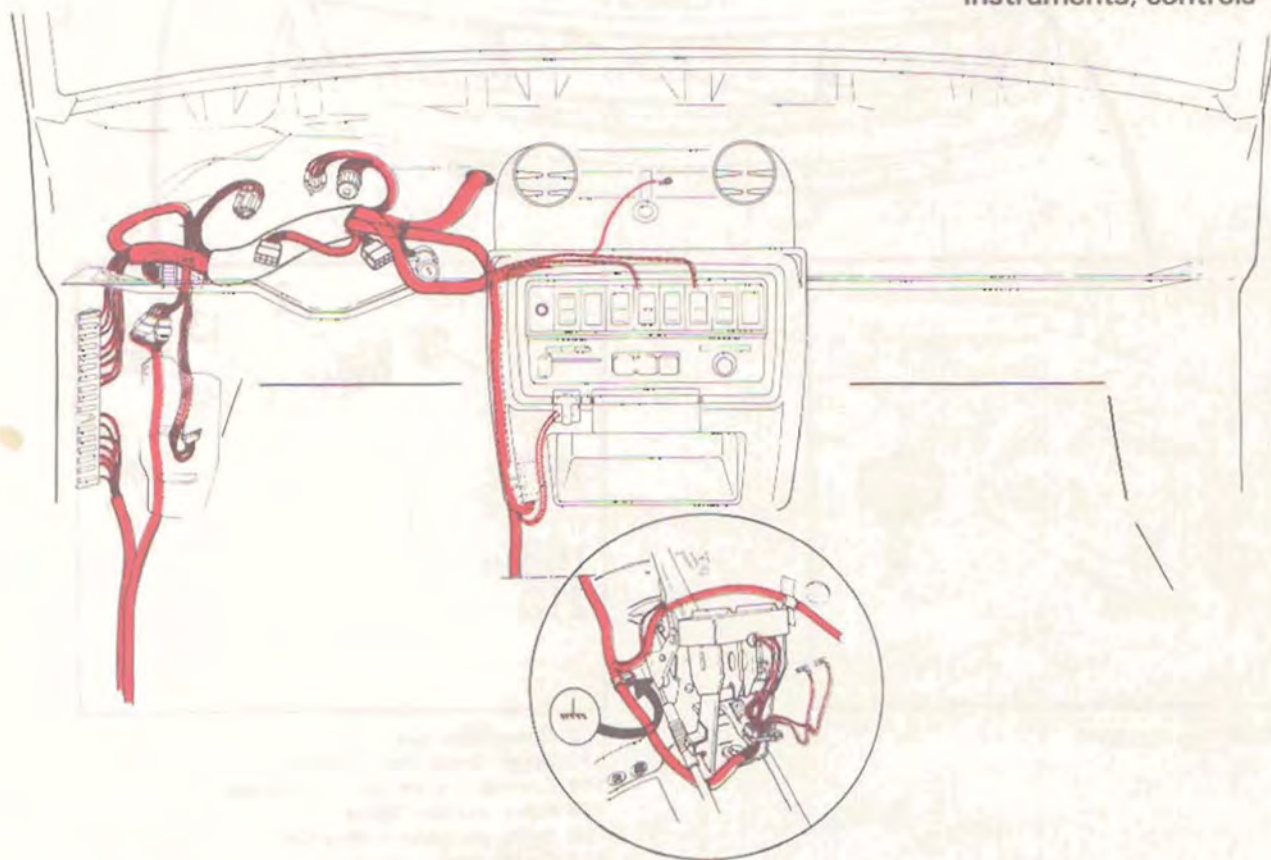
- 2 Connection box
- 13 Upper/lower beam switch relay
- 149 Lambda system test pick-up point
- 153 Relay, auxiliary lights
- 168 Relay, electrical cooling fan
- 210 Diesel, relay, control unit

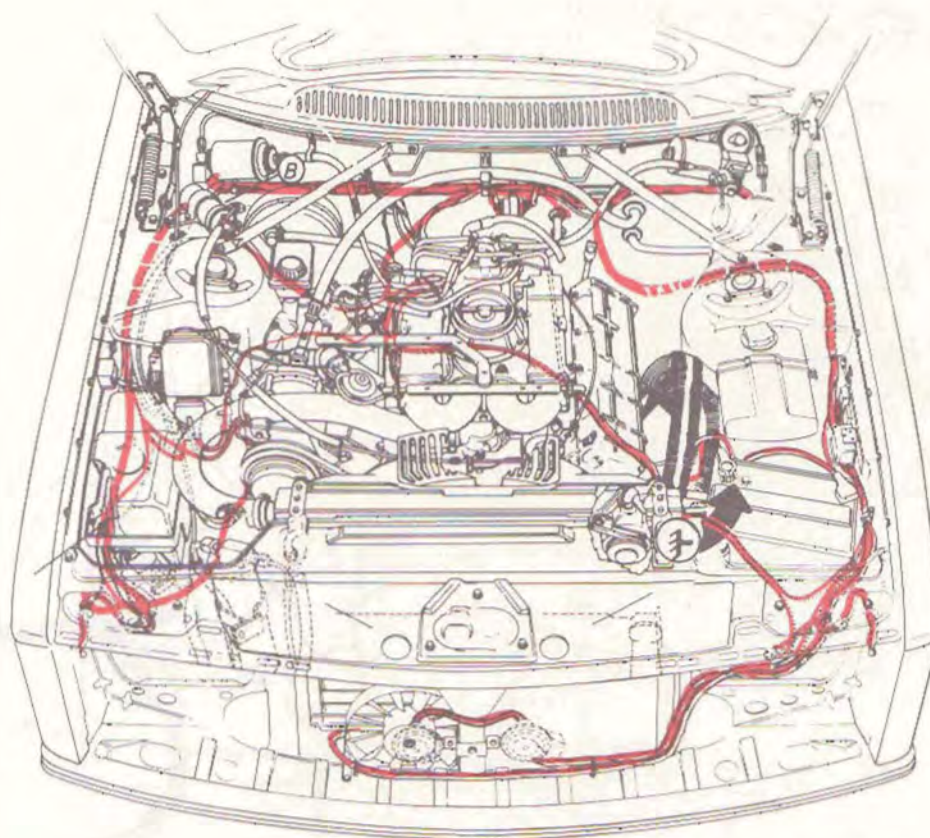
Wiring harnesses

Main wiring harness

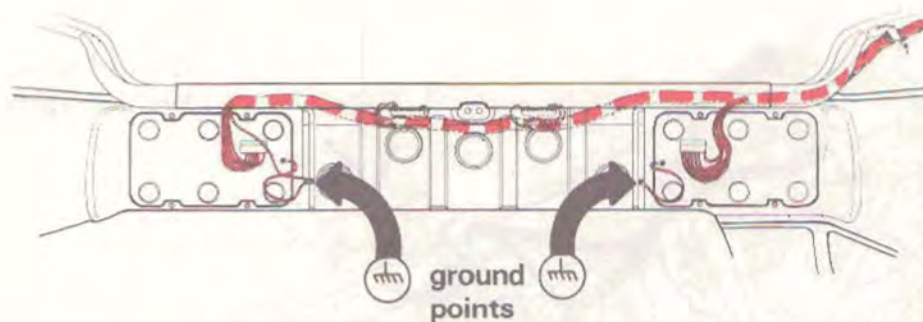


Instruments, controls



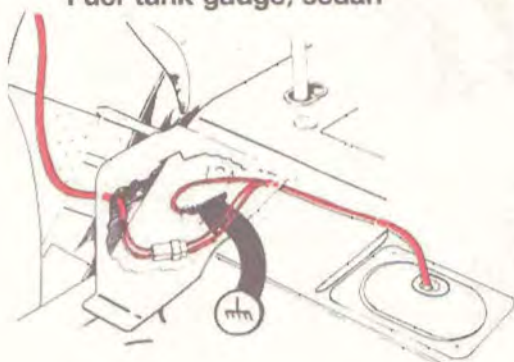


Engine compartment

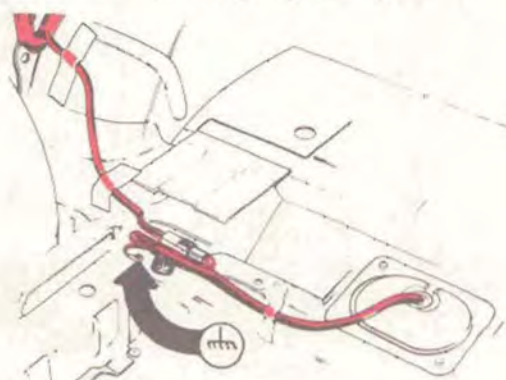


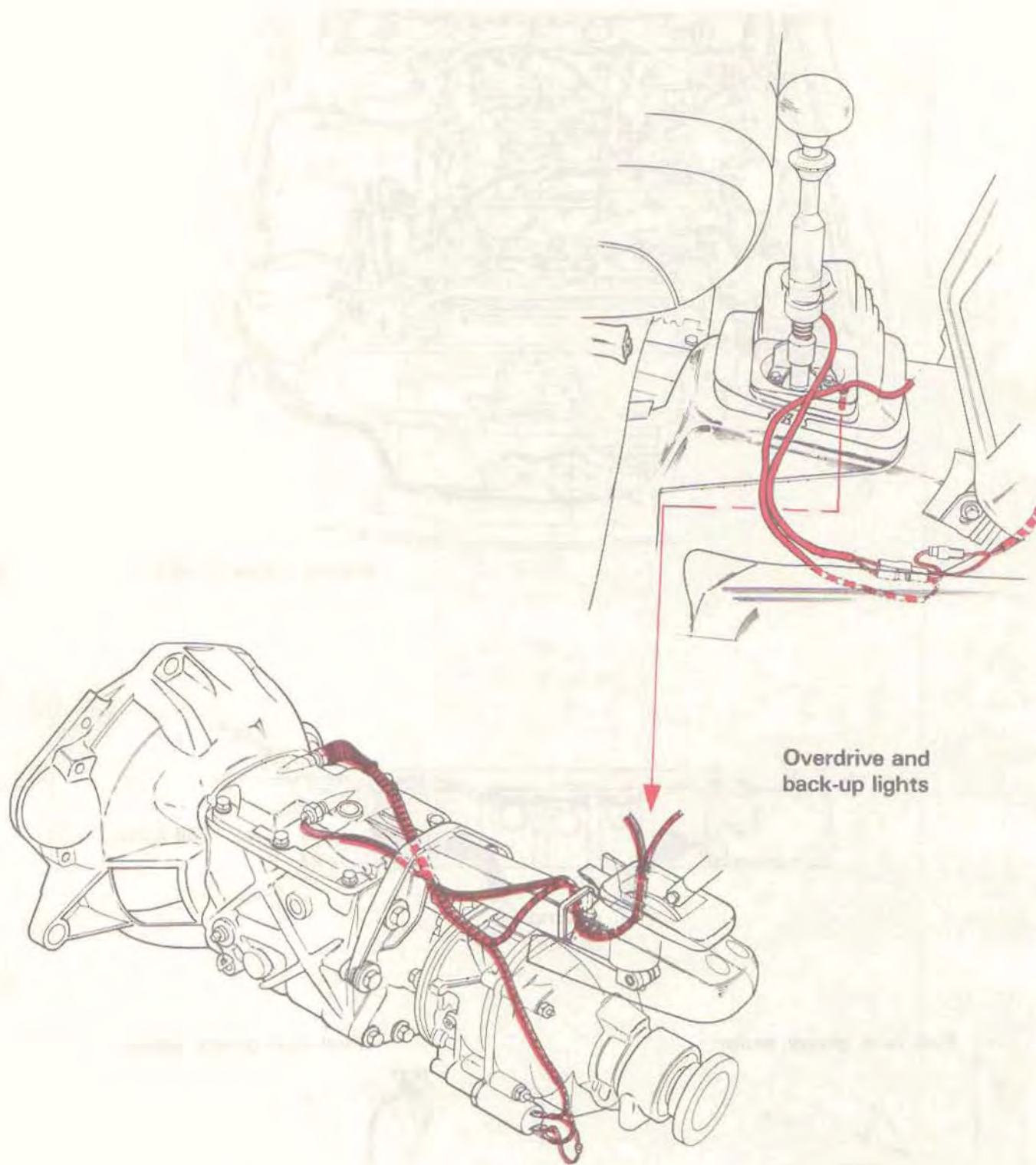
Tail lights

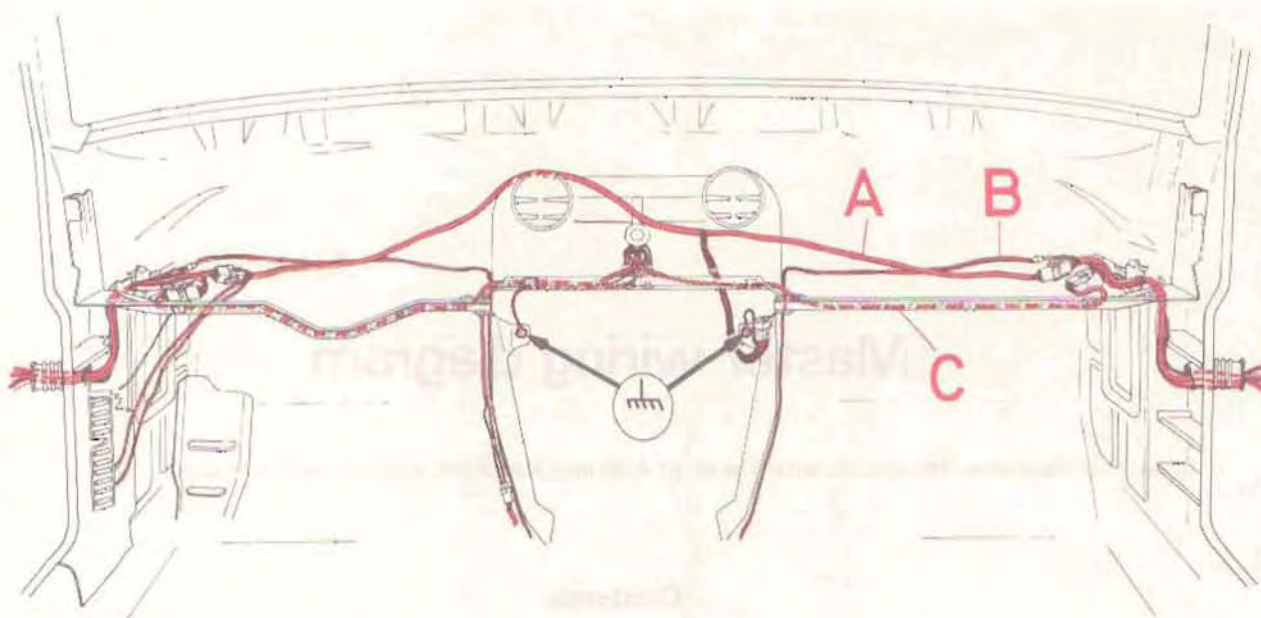
Fuel tank gauge, sedan



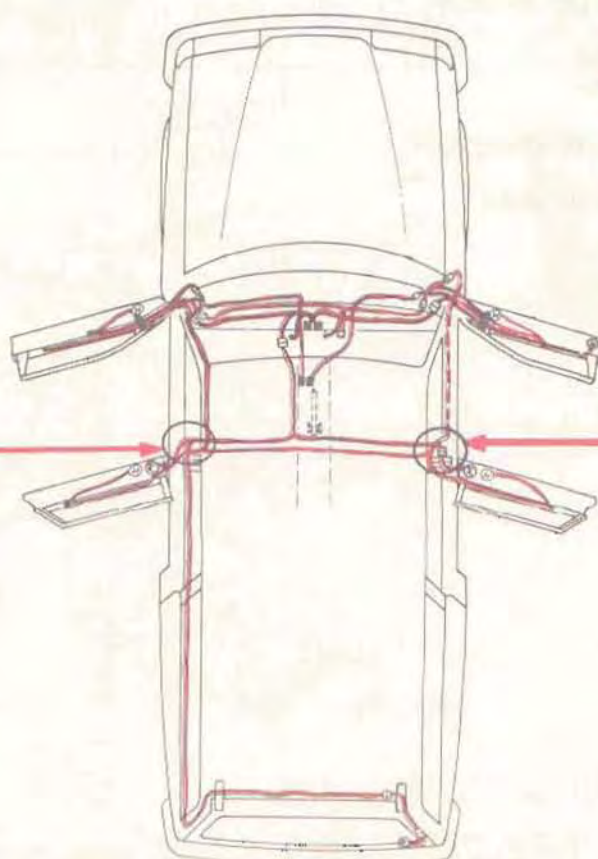
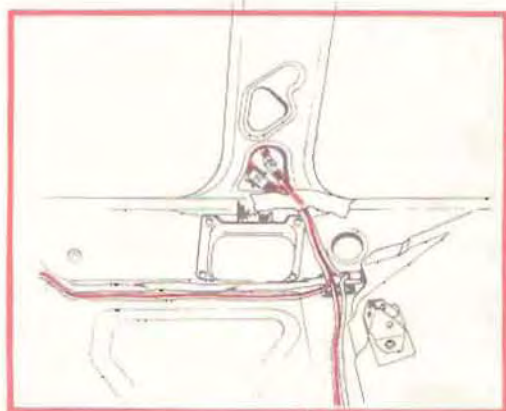
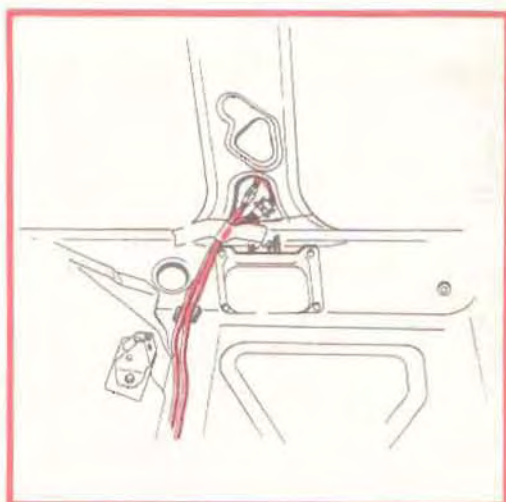
Fuel tank gauge, wagon







- 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.

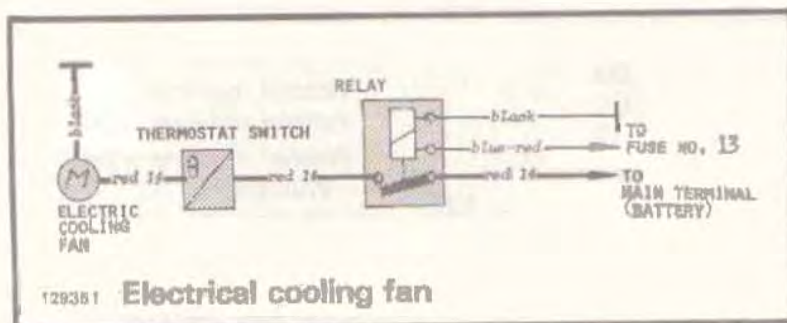
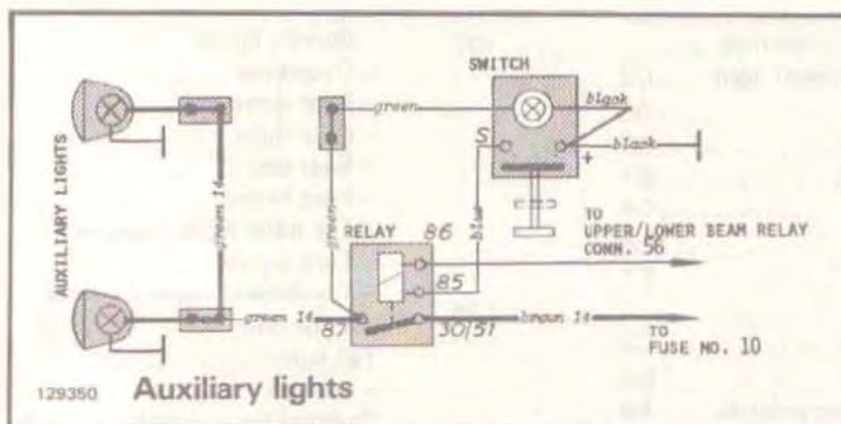
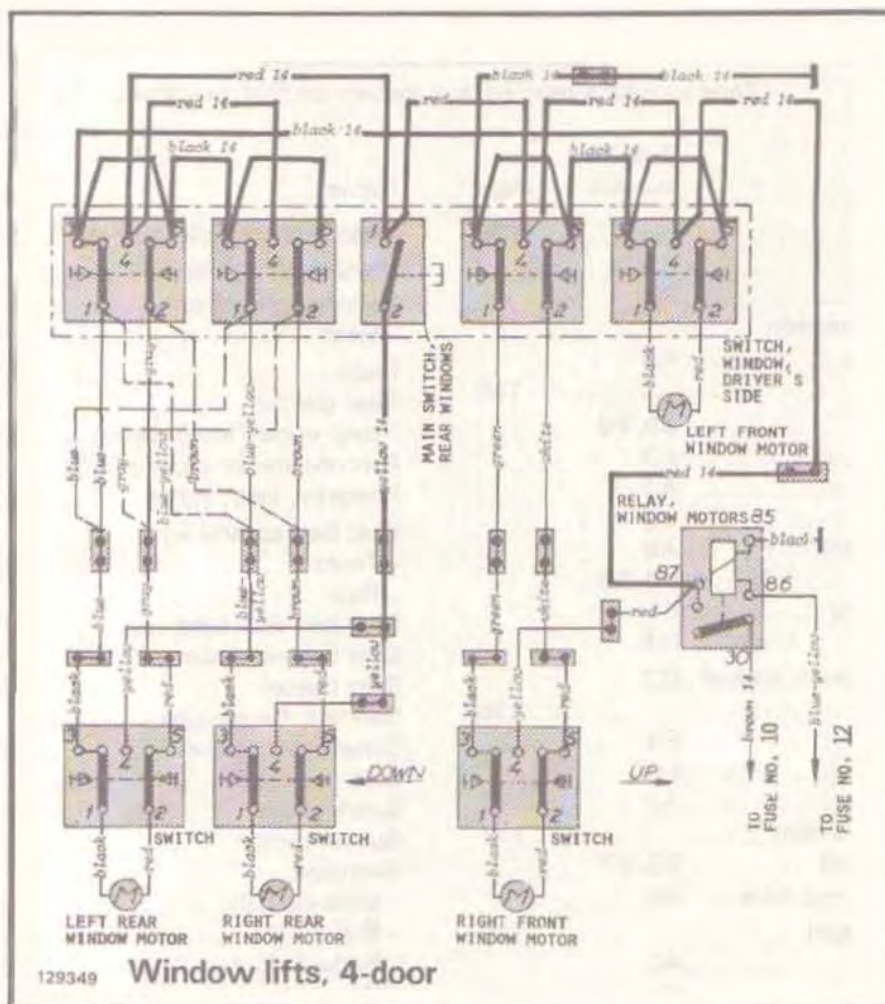
Contents

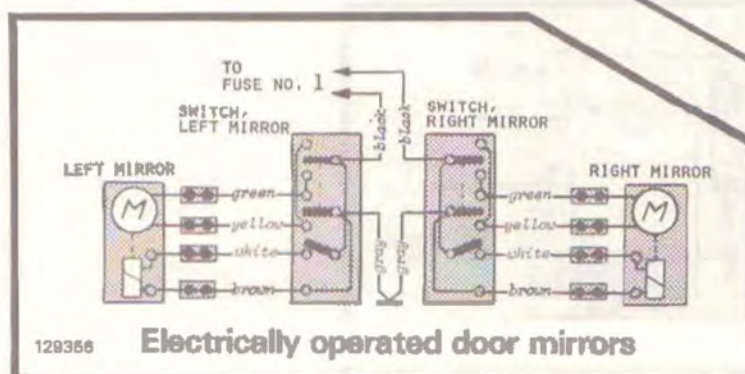
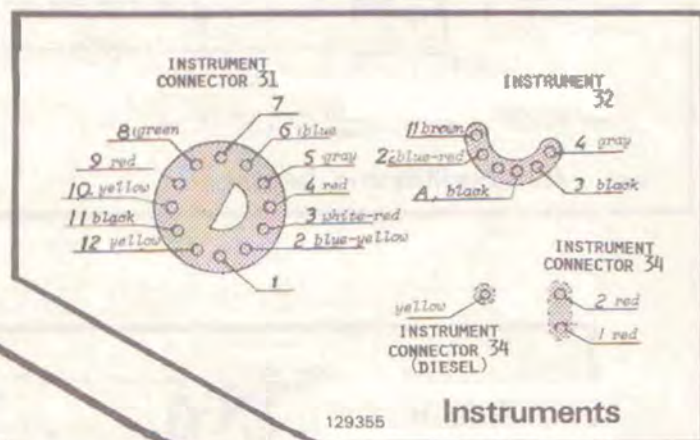
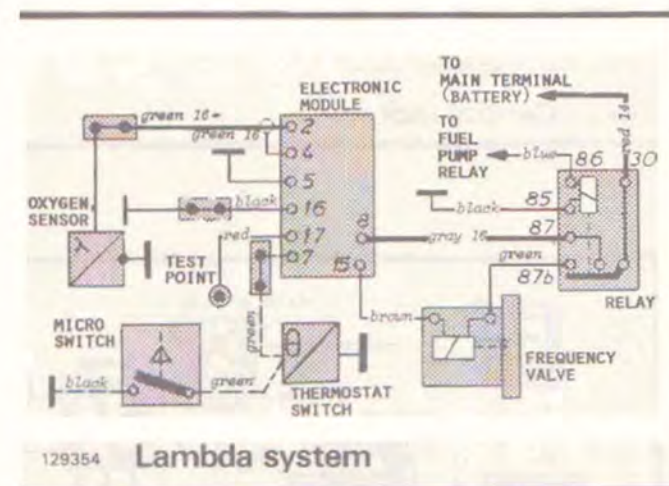
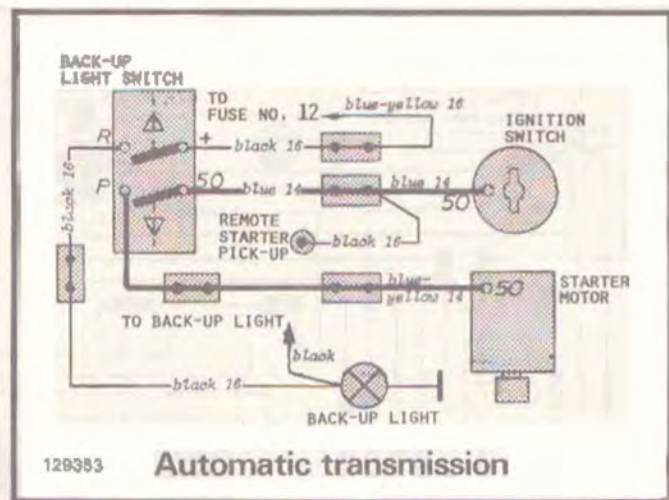
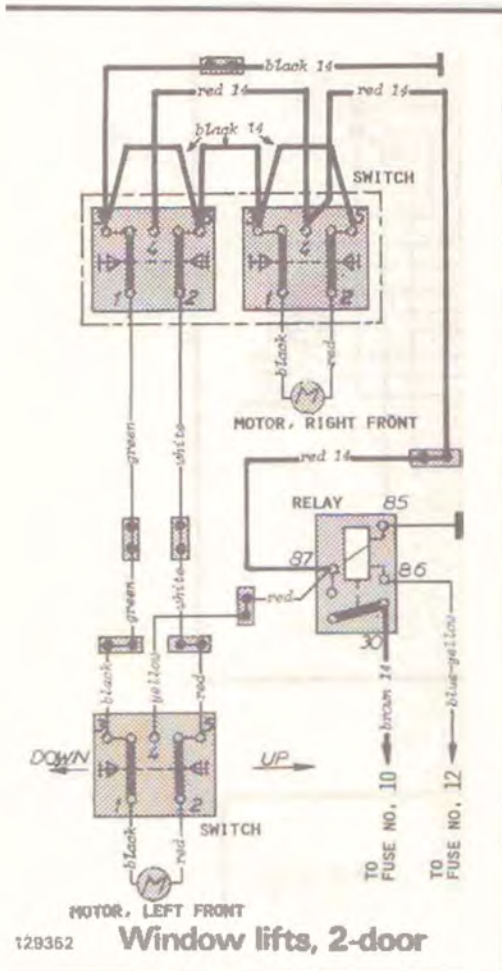
	Page
Window lifts, 4-door	136
Auxiliary lights	
Electrical cooling fan	
Window lifts, 2-door	137
Automatic transmission	
Lambda system	
Instrument connectors	
Electrically operated door mirrors	
Central lock	138
Air conditioning, heater	
Seat belt reminder	
Coupe	139
Radio	
Delayed interior light	140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

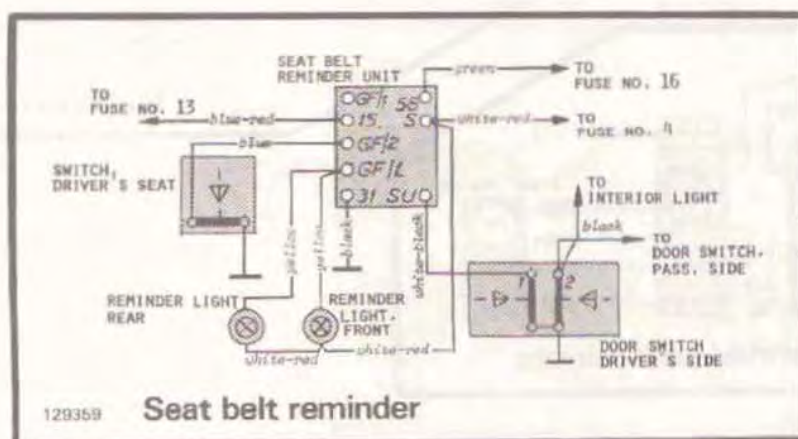
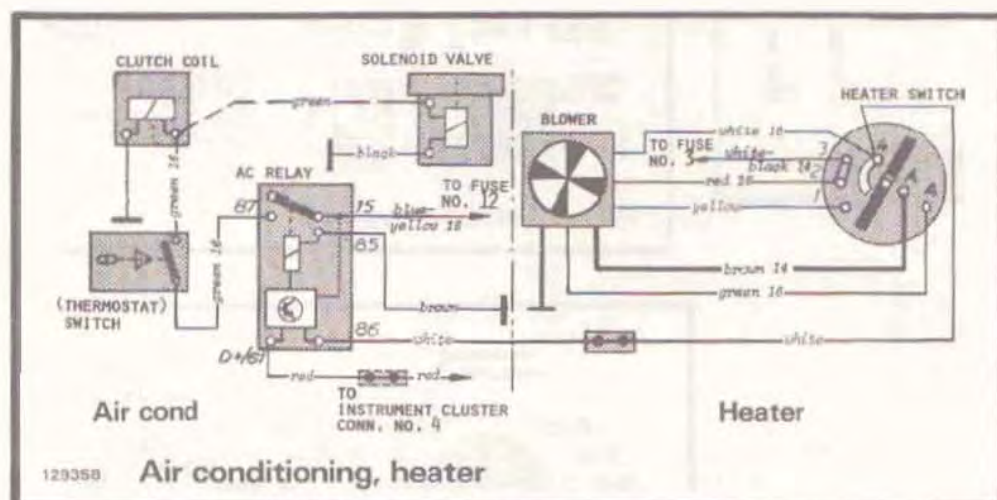
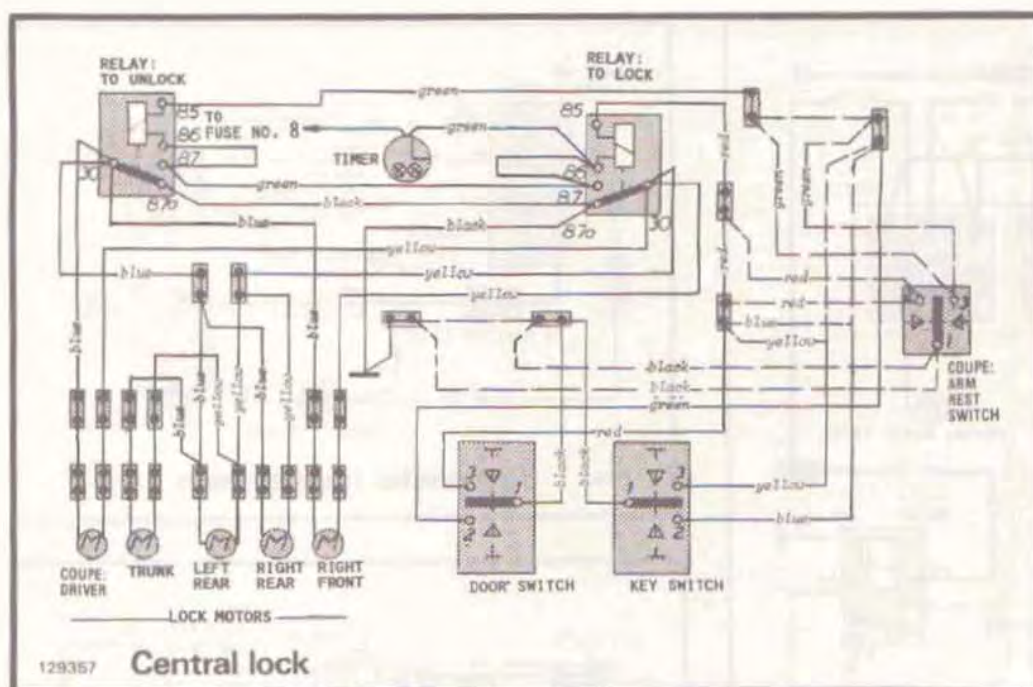
Alphabetical index

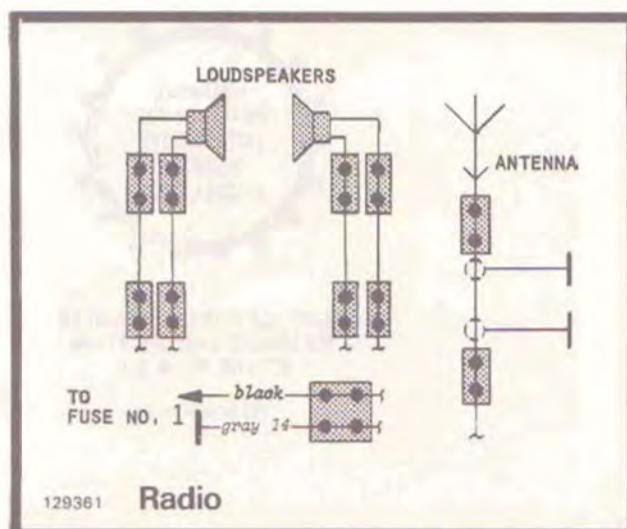
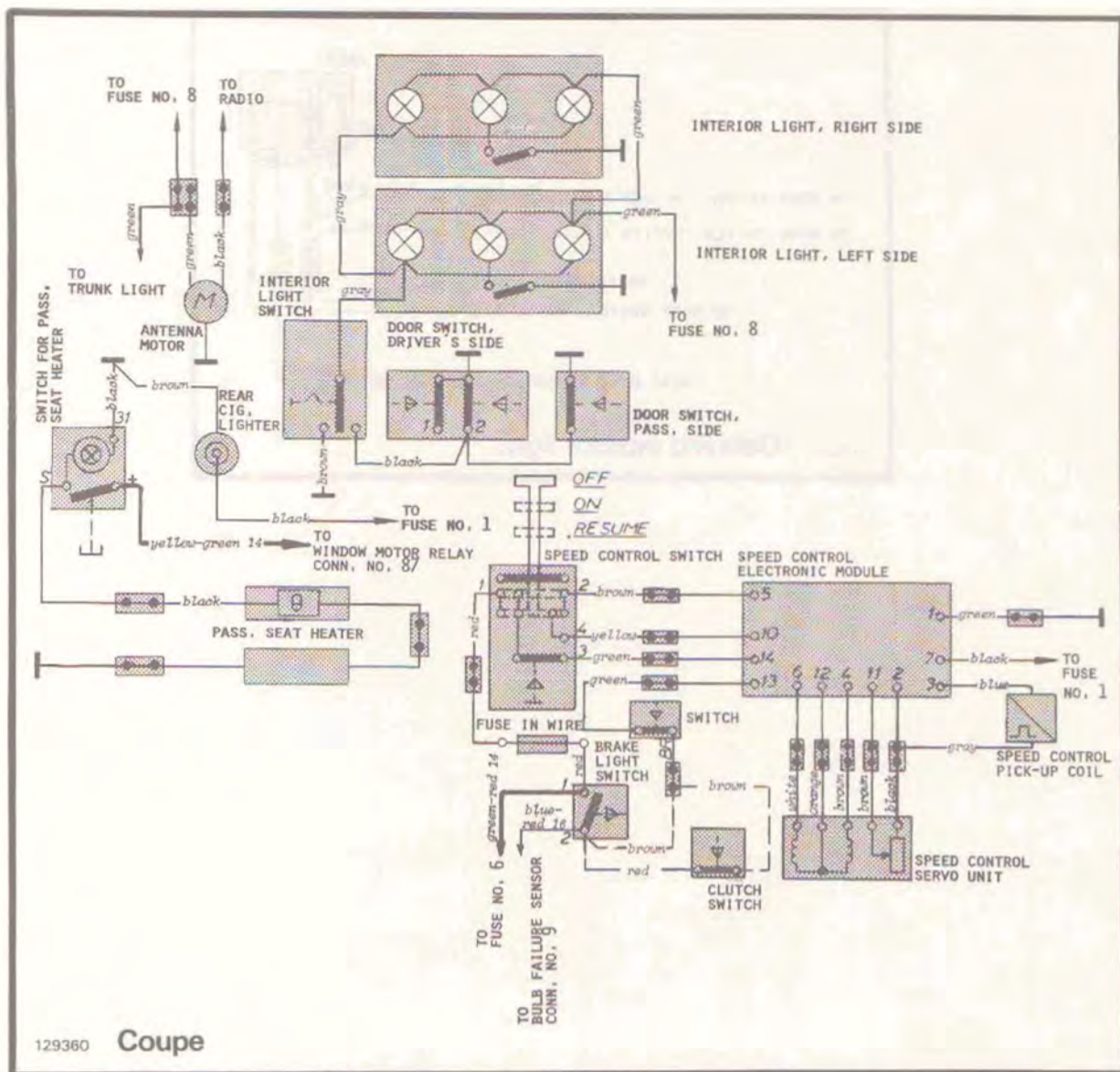
Zone locations refer to grid system on fold-out sheet.

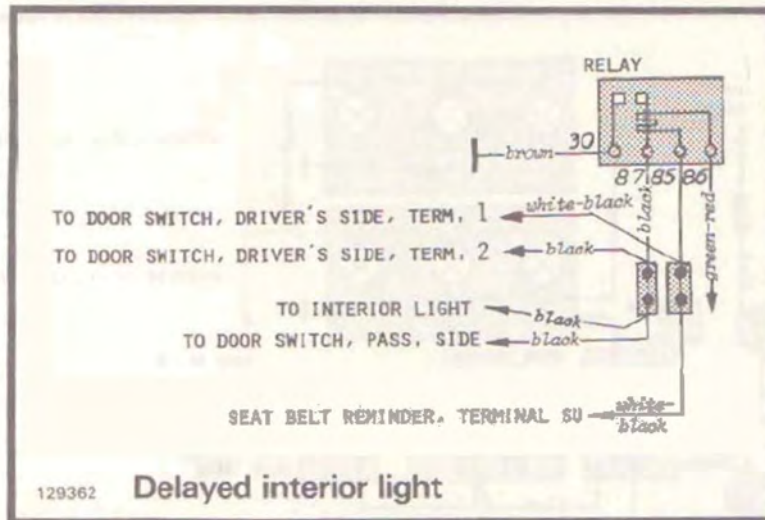
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Fuel gauge	B8		– Rear door	D9	
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Glove box light	E7		– Turn signal	D7	
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VOLVO SUPPORTS VOLUNTARY
MECHANIC CERTIFICATION
BY THE N.I.A.S.E.

(U.S.A. Only)

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