

Wiring Diagrams 1980

Section 3	Group 39
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Wiring Diagrams 1980 Models

VOLVO

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NOTE:

Diesel circuitry is generally = GLE

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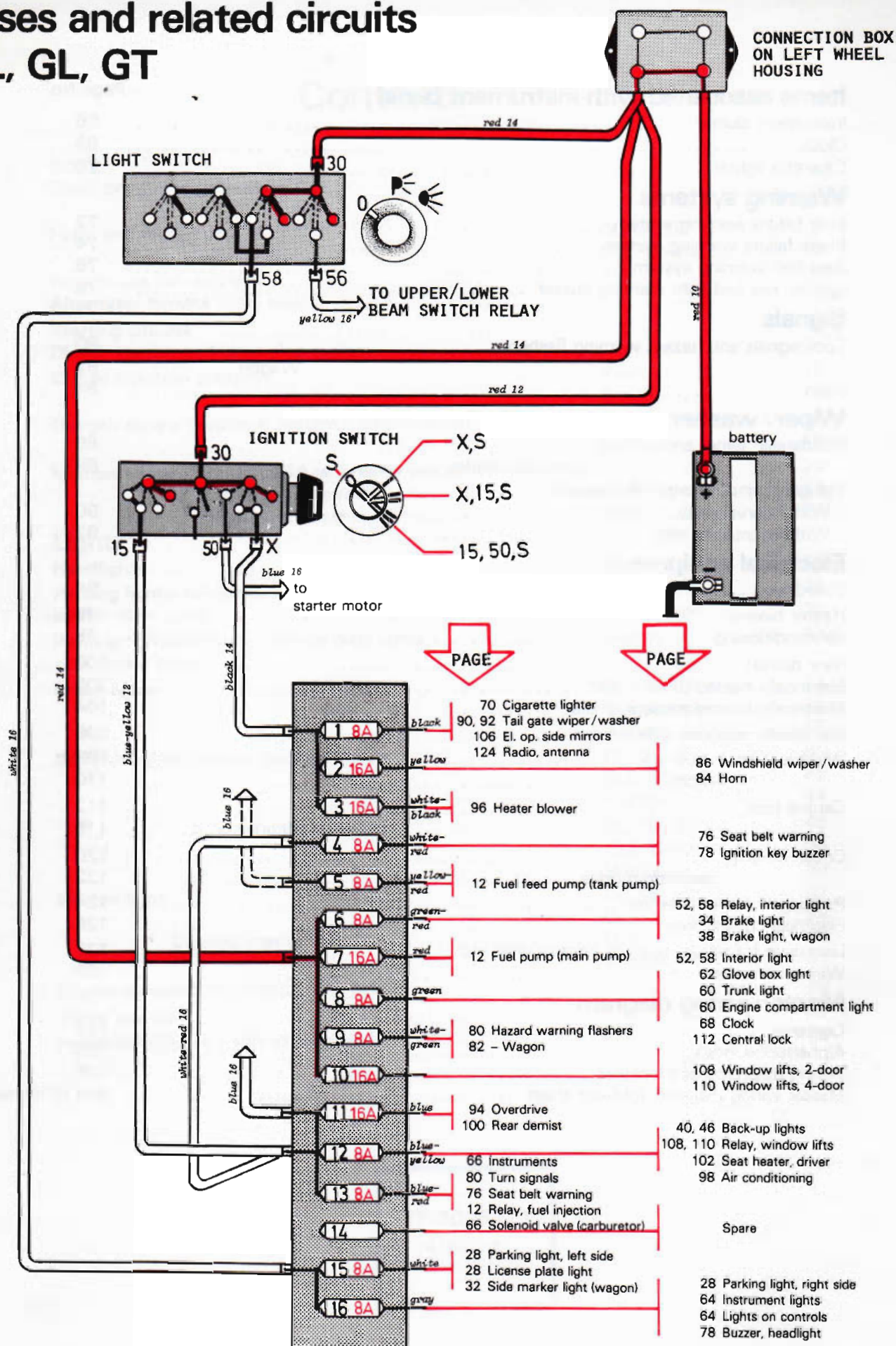
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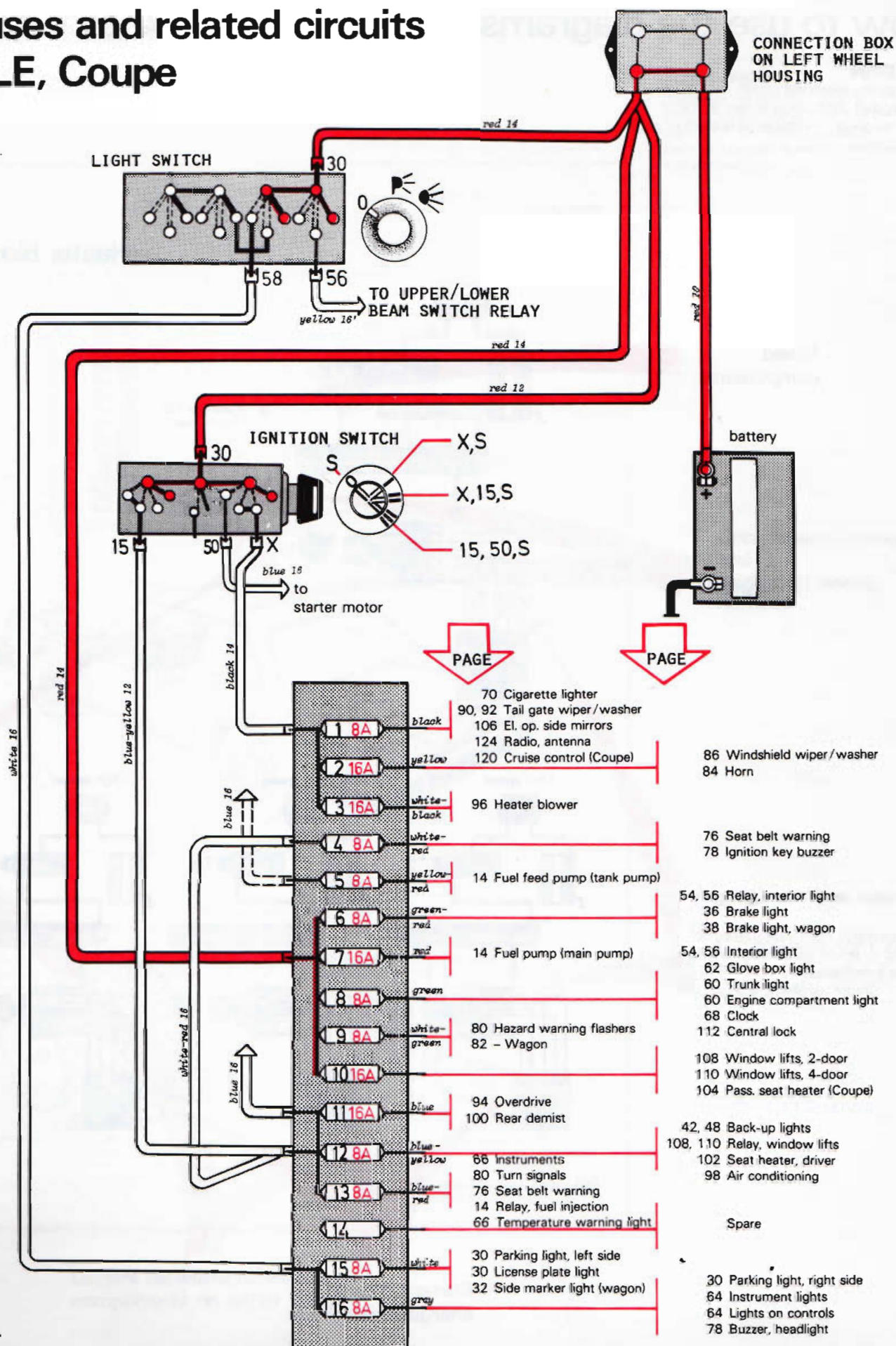
Master wiring diagram

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Fuses and related circuits DL, GL, GT



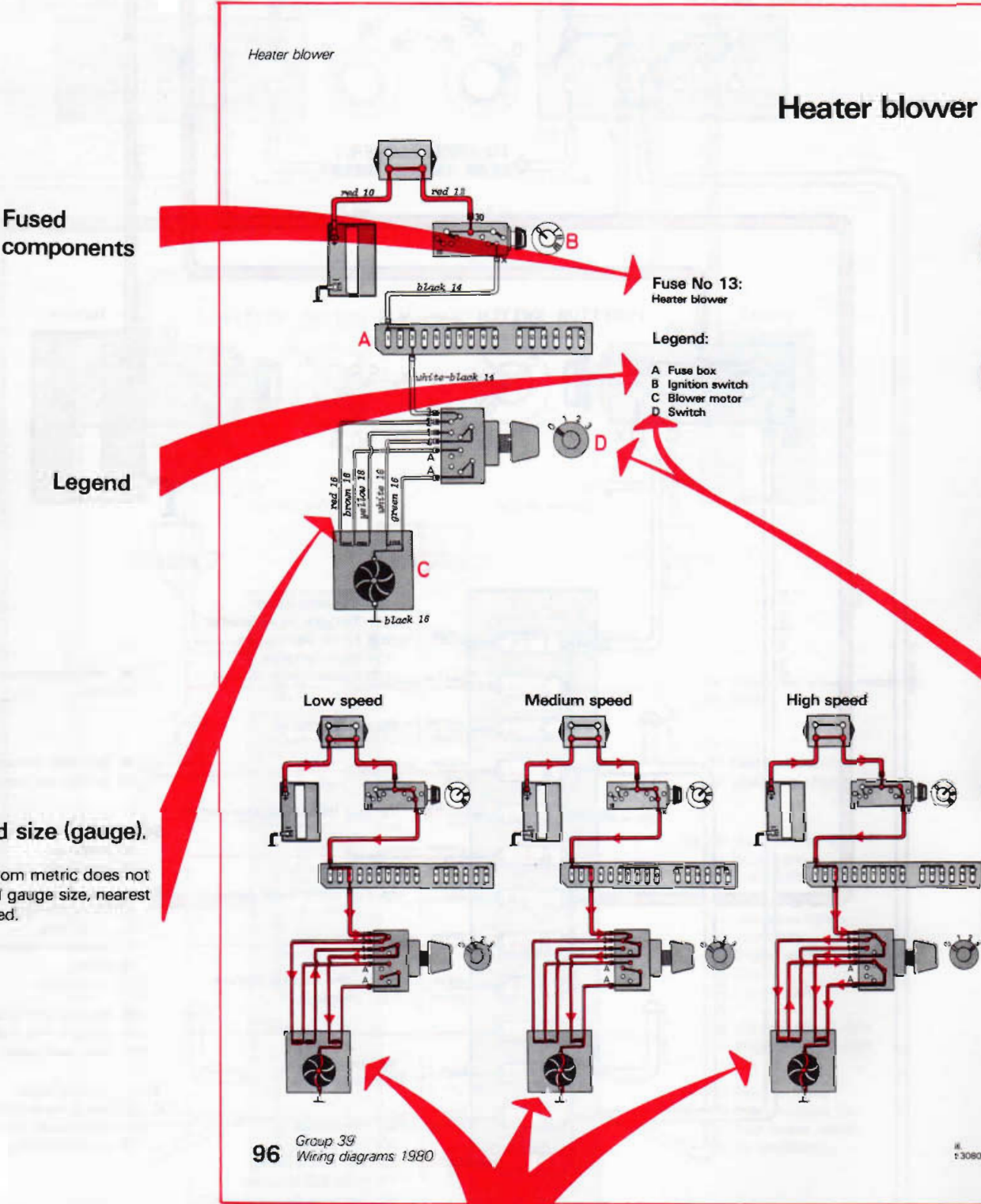
Fuses and related circuits GLE, Coupe



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.



How to use the diagrams

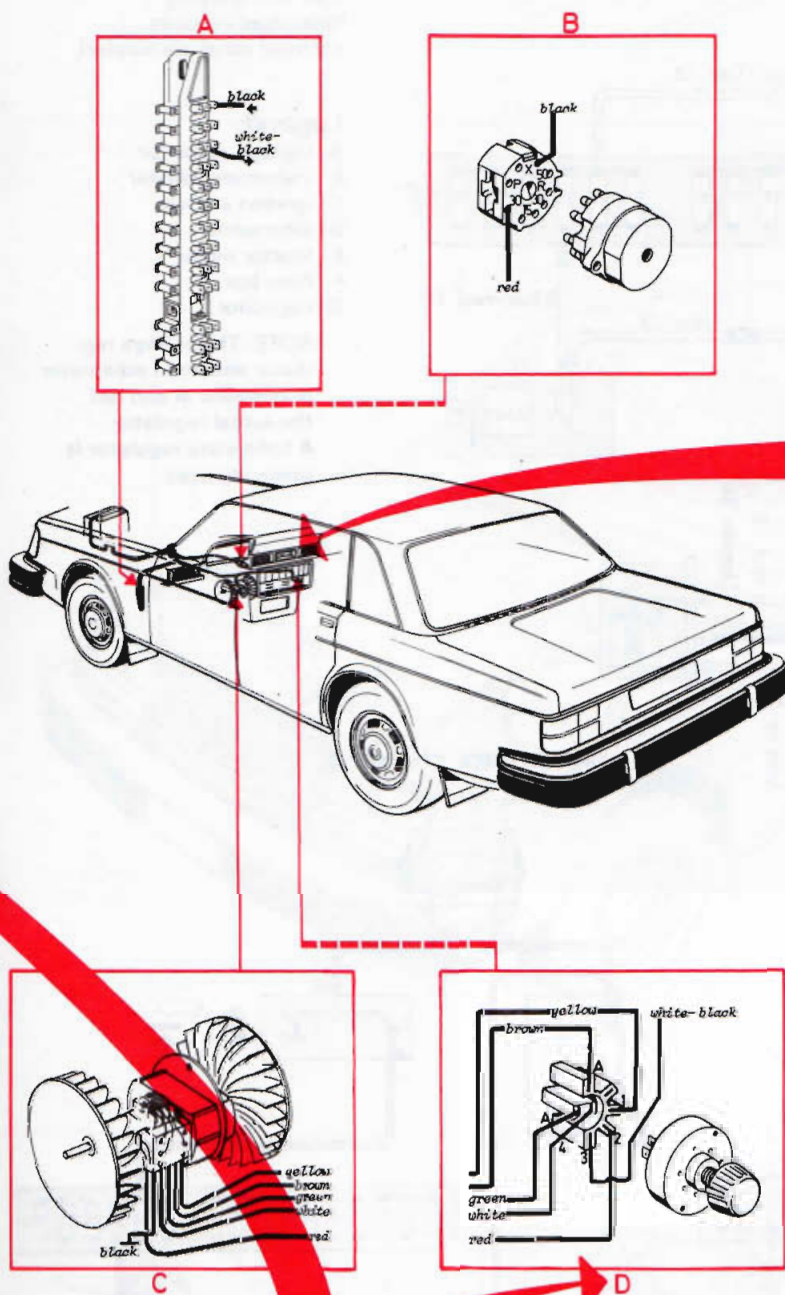
Right page

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

Heater blower

Component location and routing of wiring harness

Component terminals and wire connections

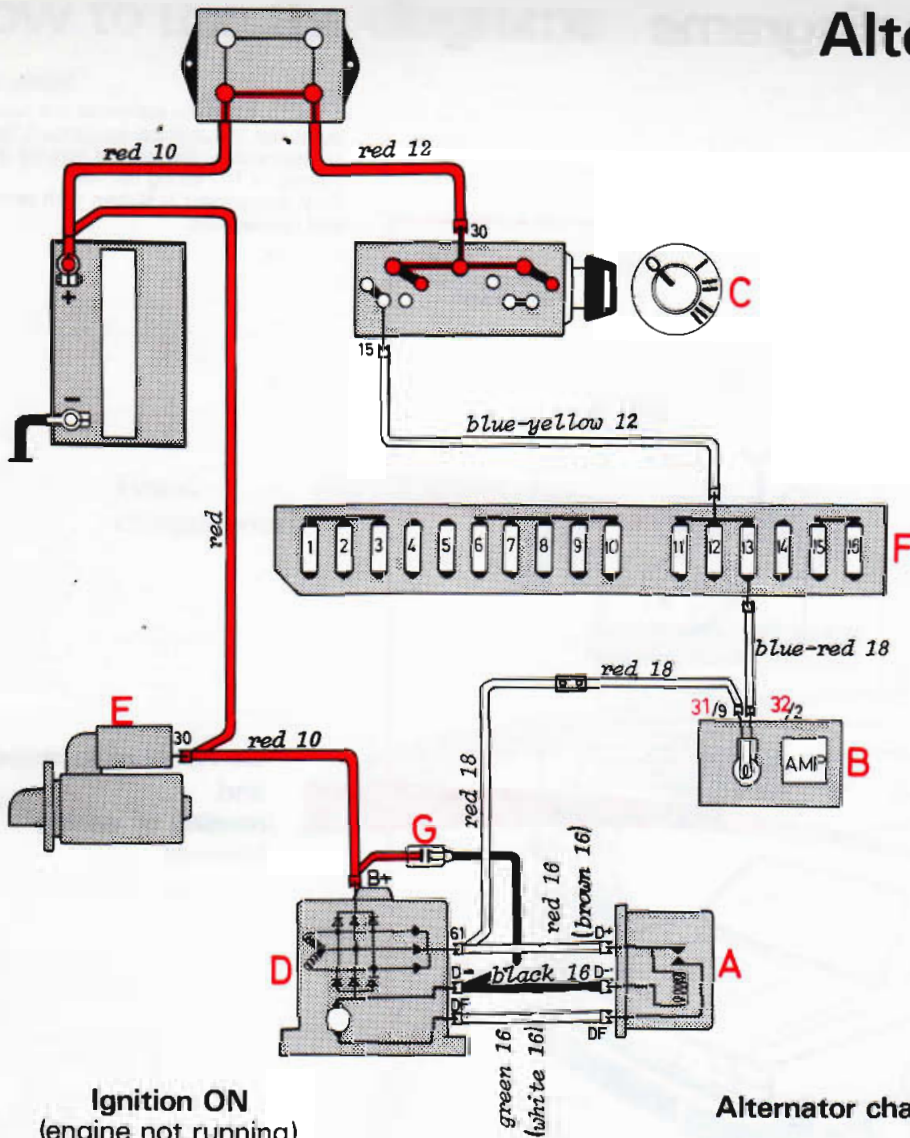


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Letters facilitate referencing components on either page

Alternator circuits



Fuse No. 13:

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

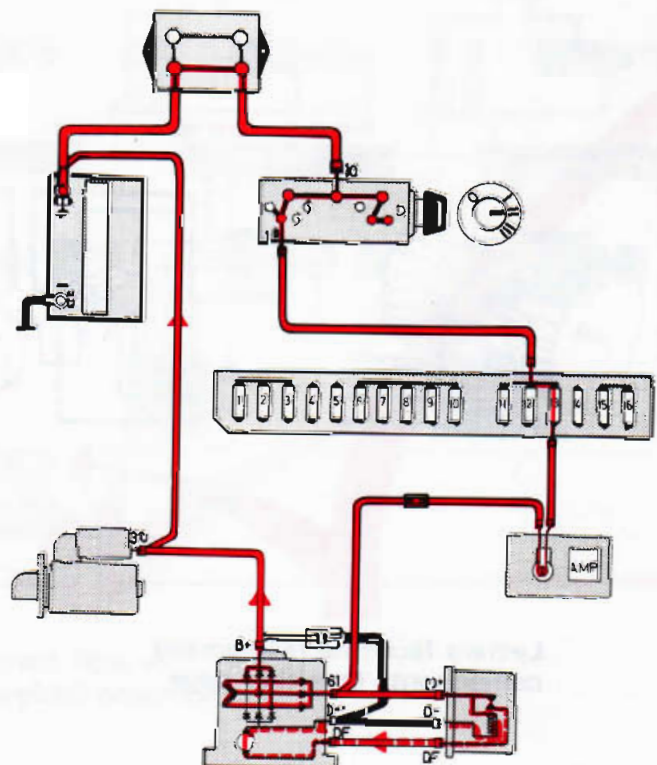
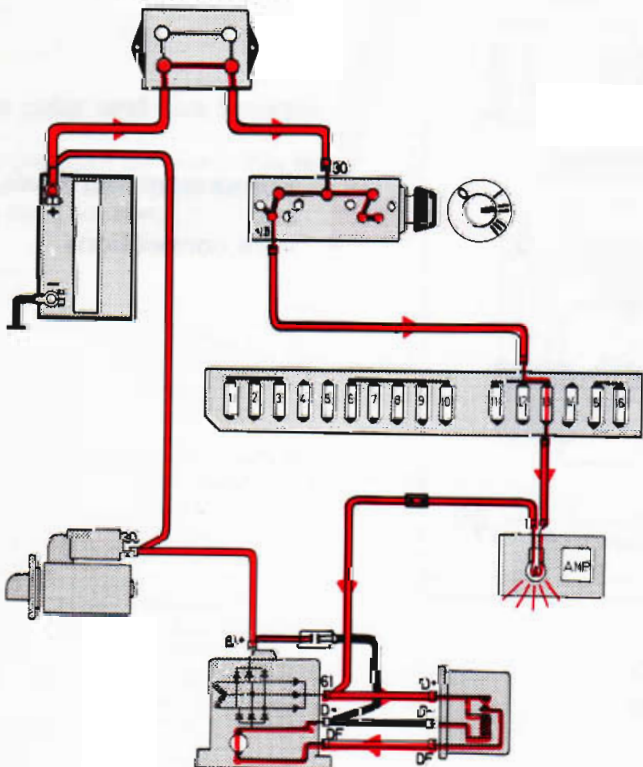
Legend:

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

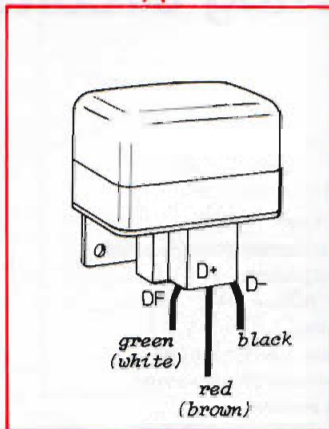
NOTE: The voltage regulator shown in schematic is symbolic of and not the actual regulator. A solid state regulator is presently used.

Ignition ON
(engine not running)

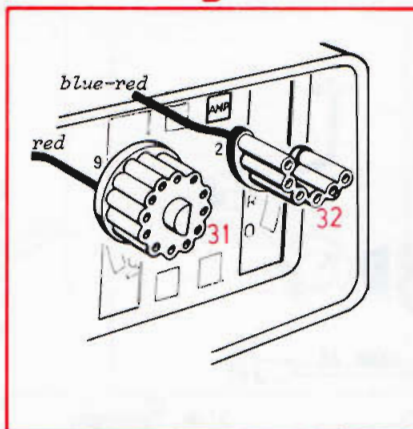
Alternator charging



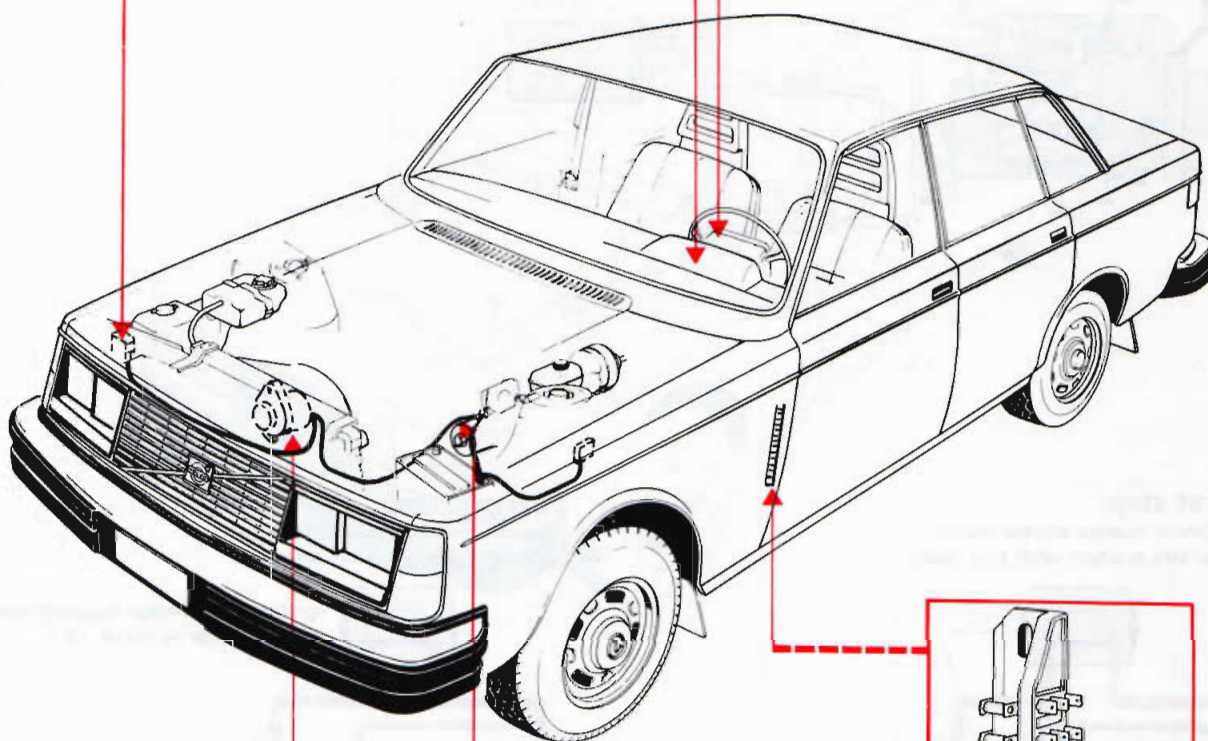
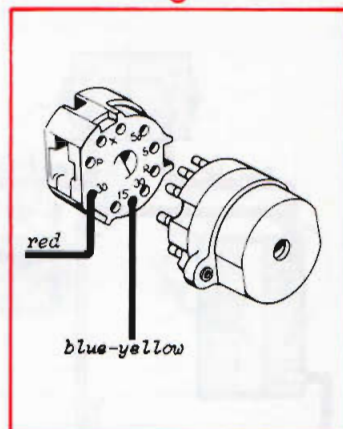
A



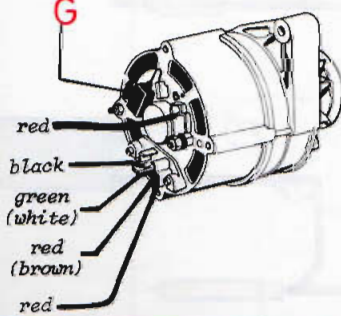
B



C

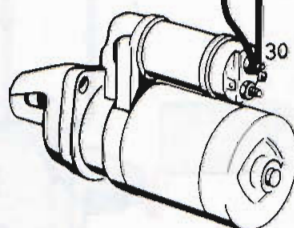


G

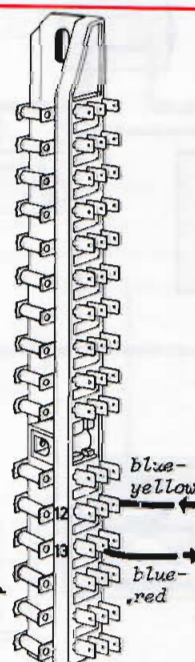


D

red red

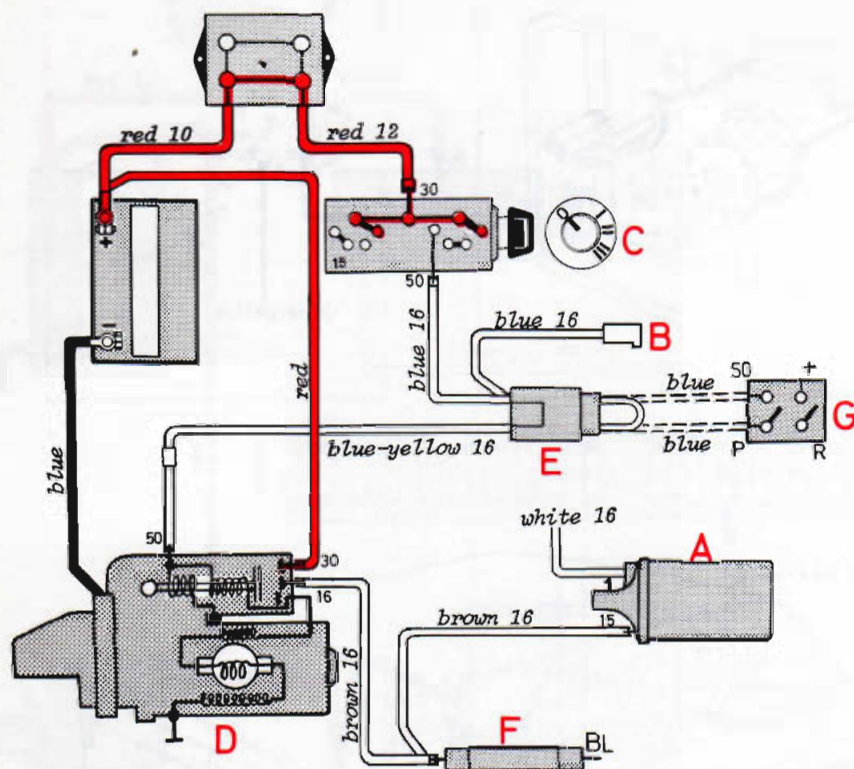


E



F

Starting circuits

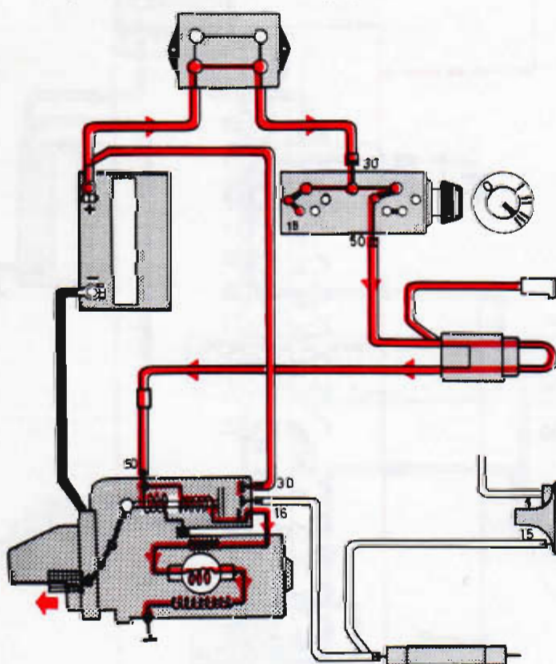


Legend:

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

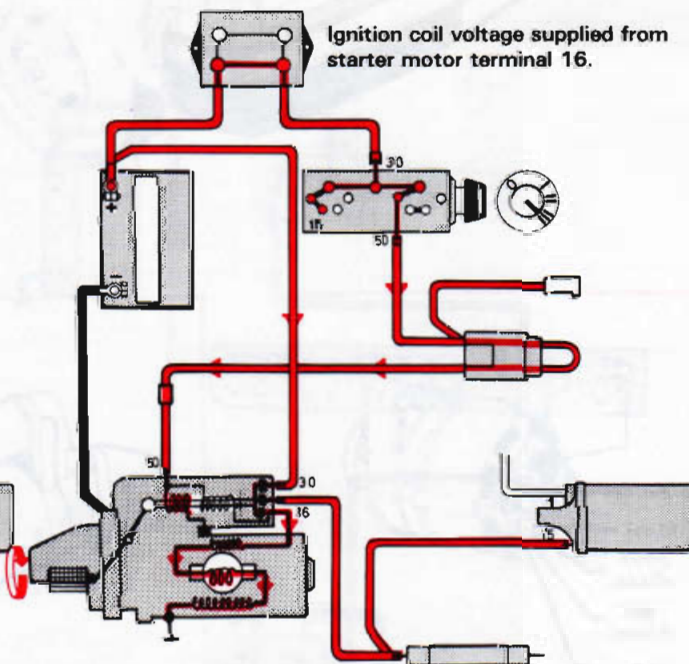
First step:

Solenoid pushes starter motor gear into contact with ring gear.

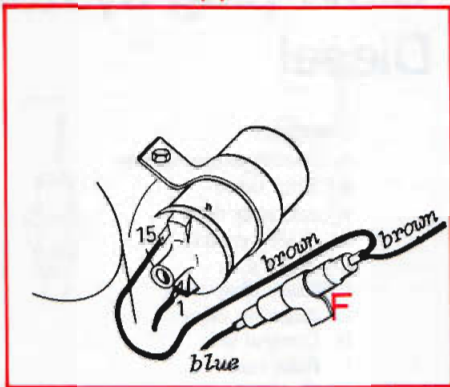


Second step:

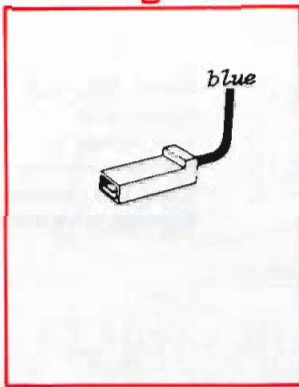
Gears connected, starter motor contacts close, starter operates.



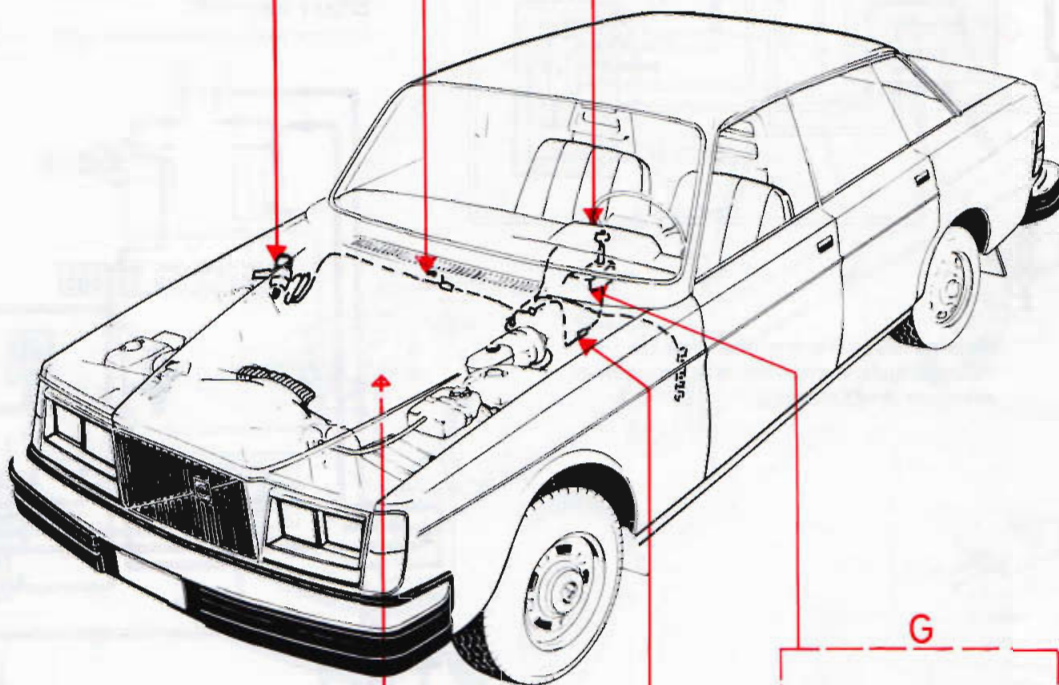
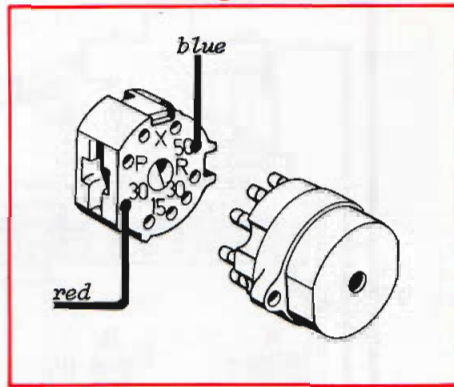
A



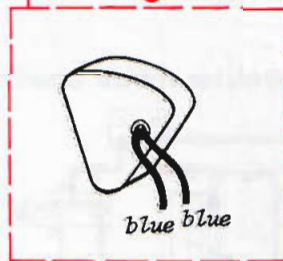
B



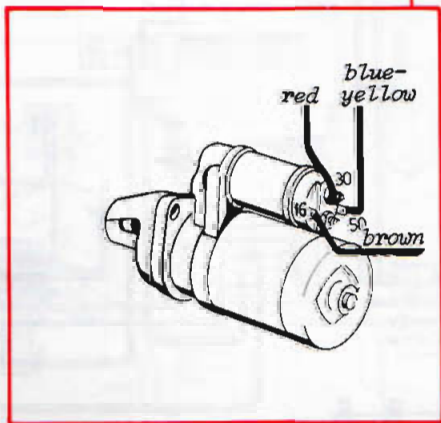
C



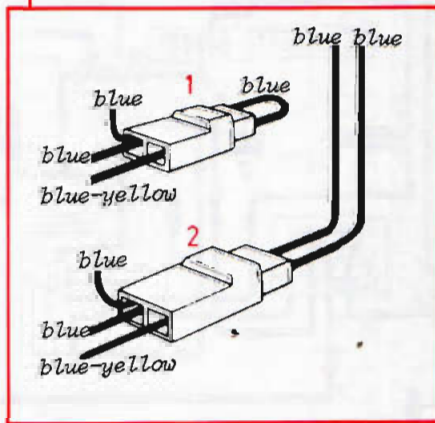
G



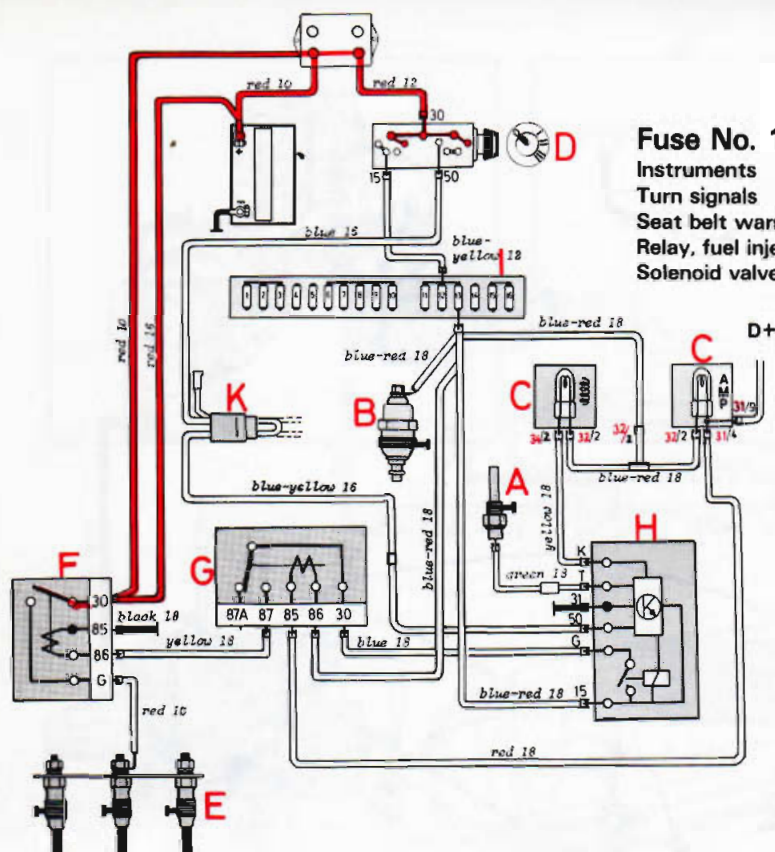
D



E



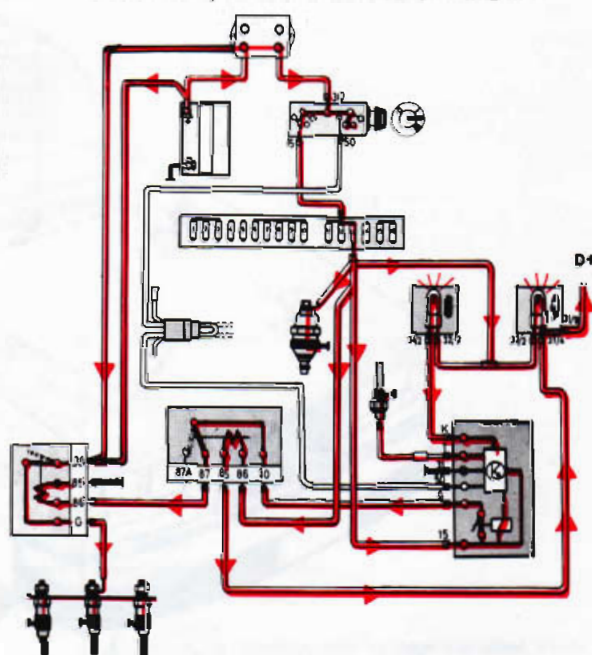
Glow plug system Diesel



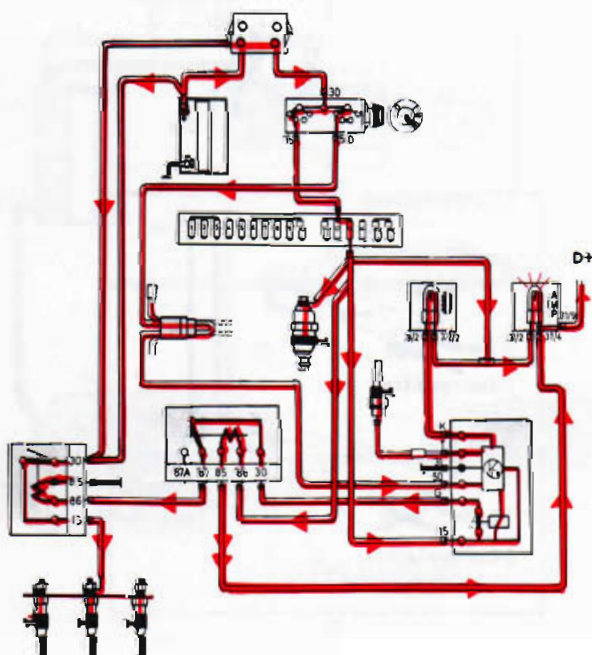
Blocking relay (G) is grounded through voltage regulator and alternator circuit when alternator is not charging.

Start key ON

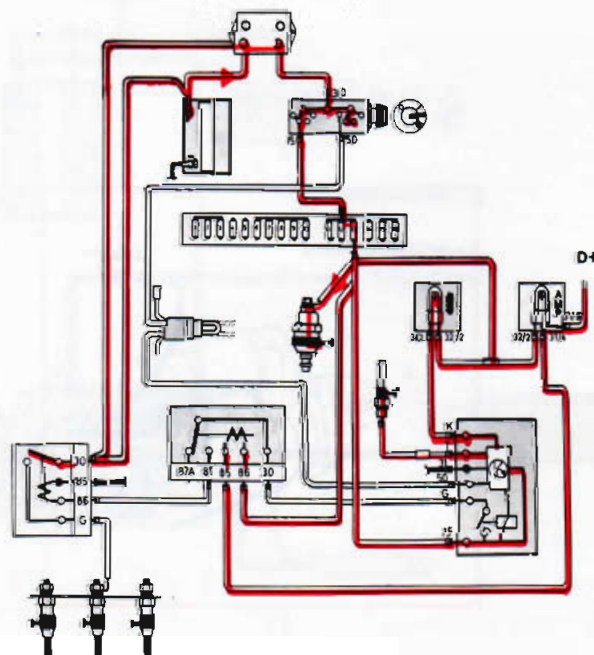
Coolant temperature below $+50^{\circ}\text{C} = 122^{\circ}\text{F}$

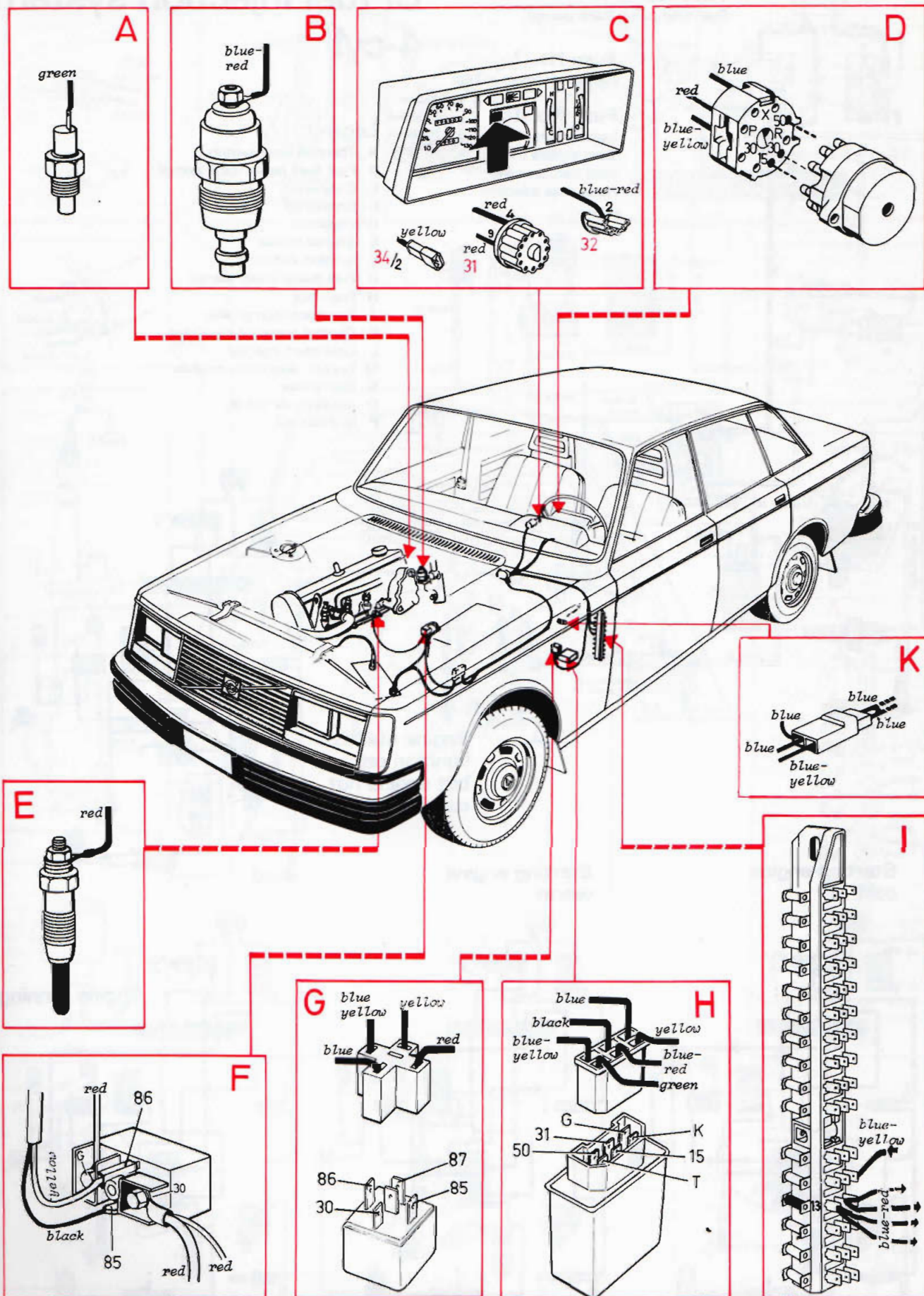


Starter motor operating

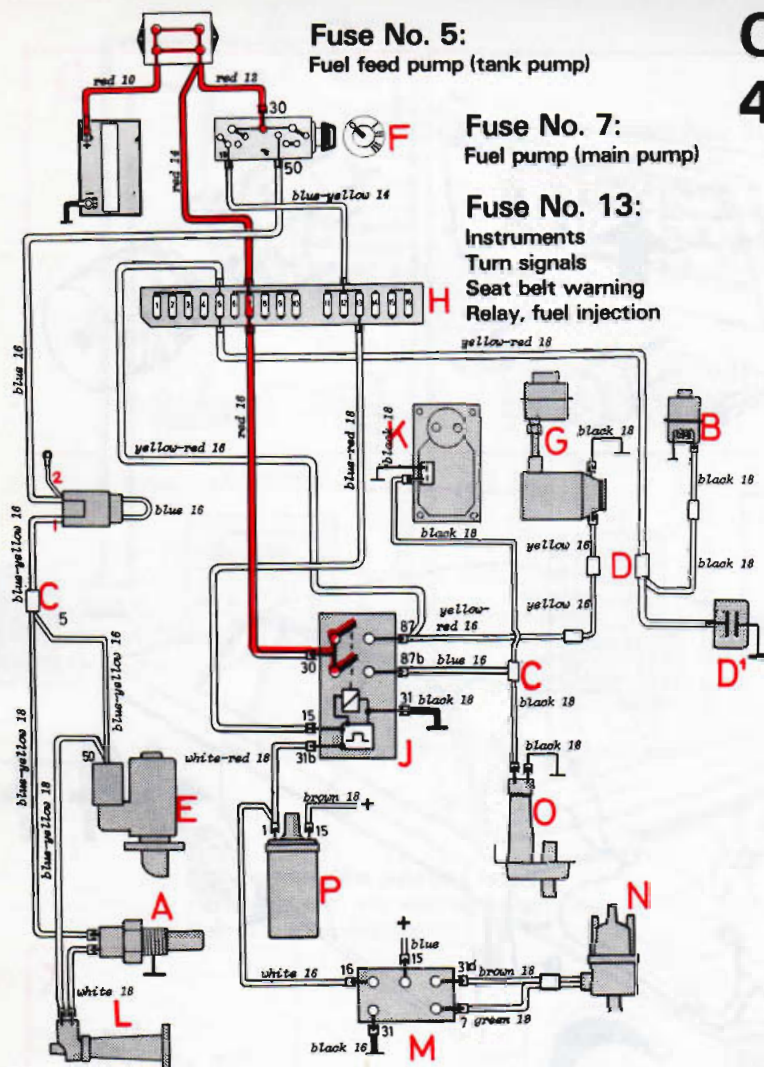


Engine running

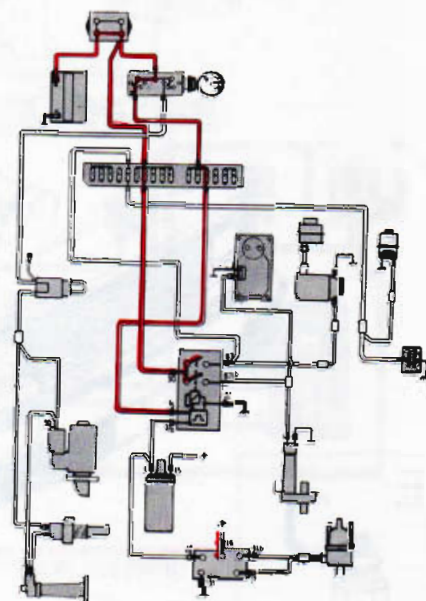




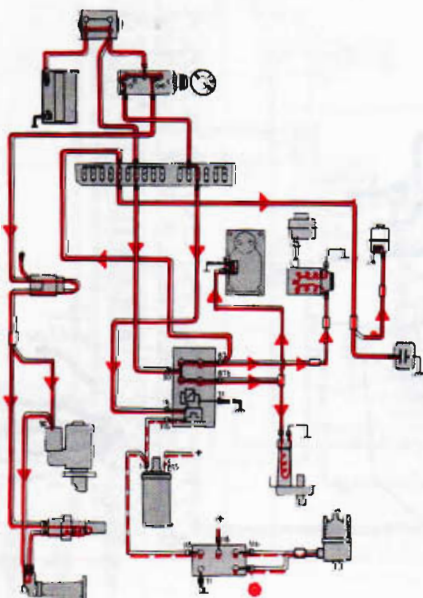
CI fuel injection system 4-cyl



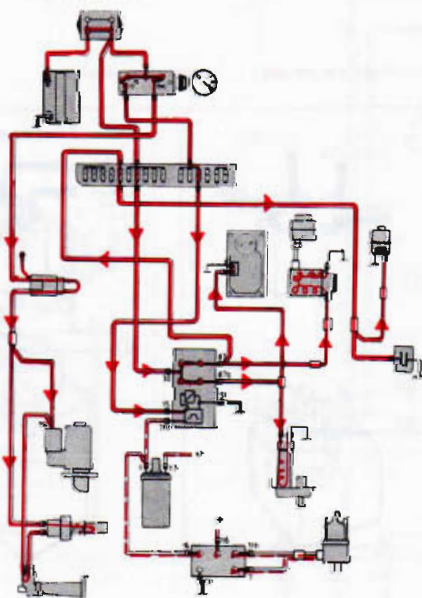
Engine stalled
(ignition on,
but engine not
running)



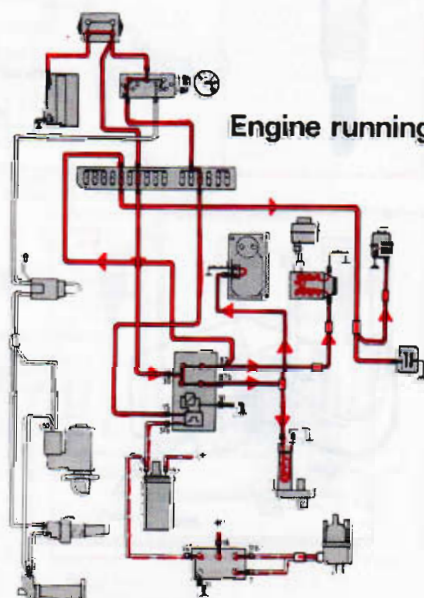
Starting engine
cold

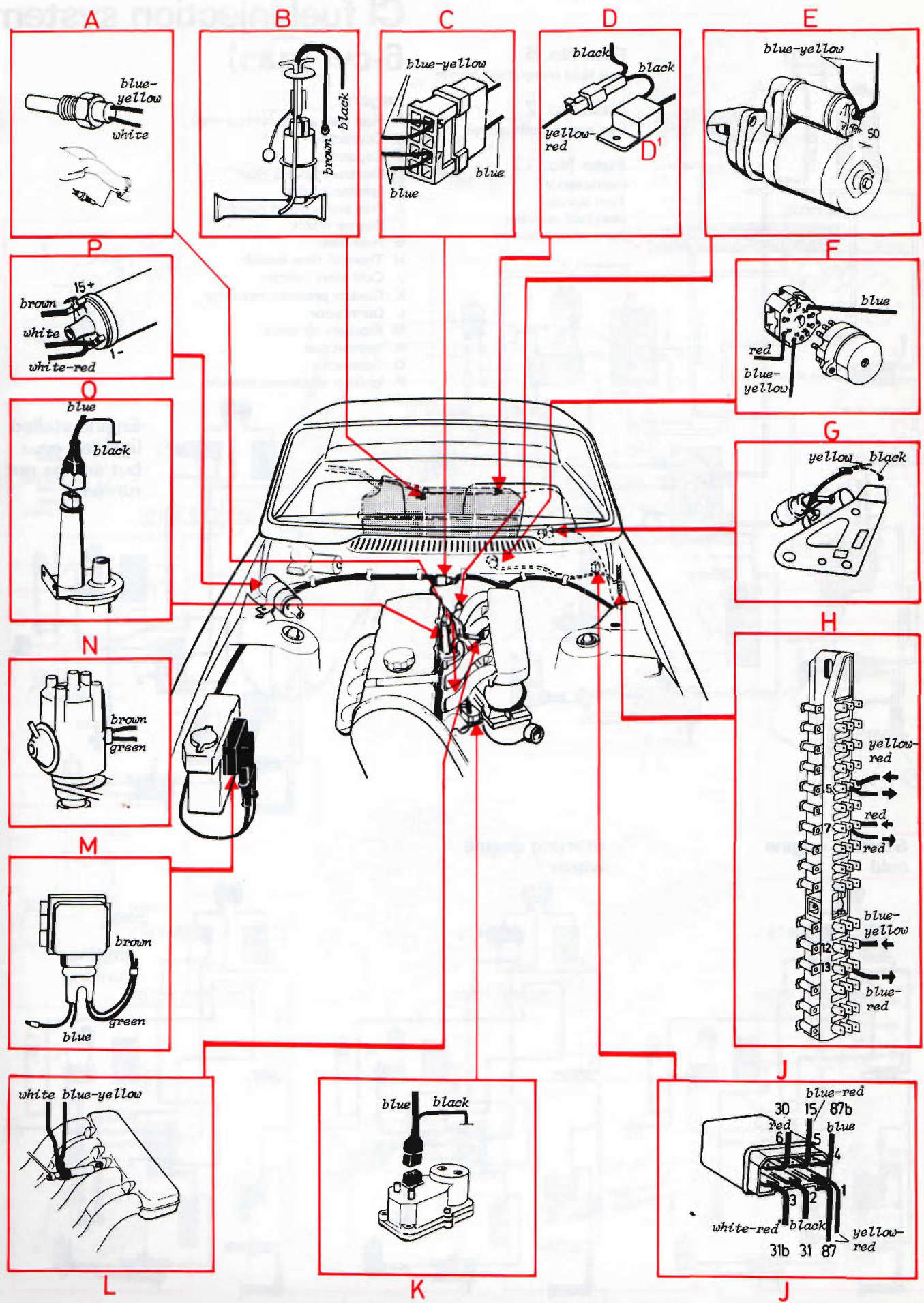


Starting engine
warm



Engine running





CI fuel injection system 6-cyl (gas)

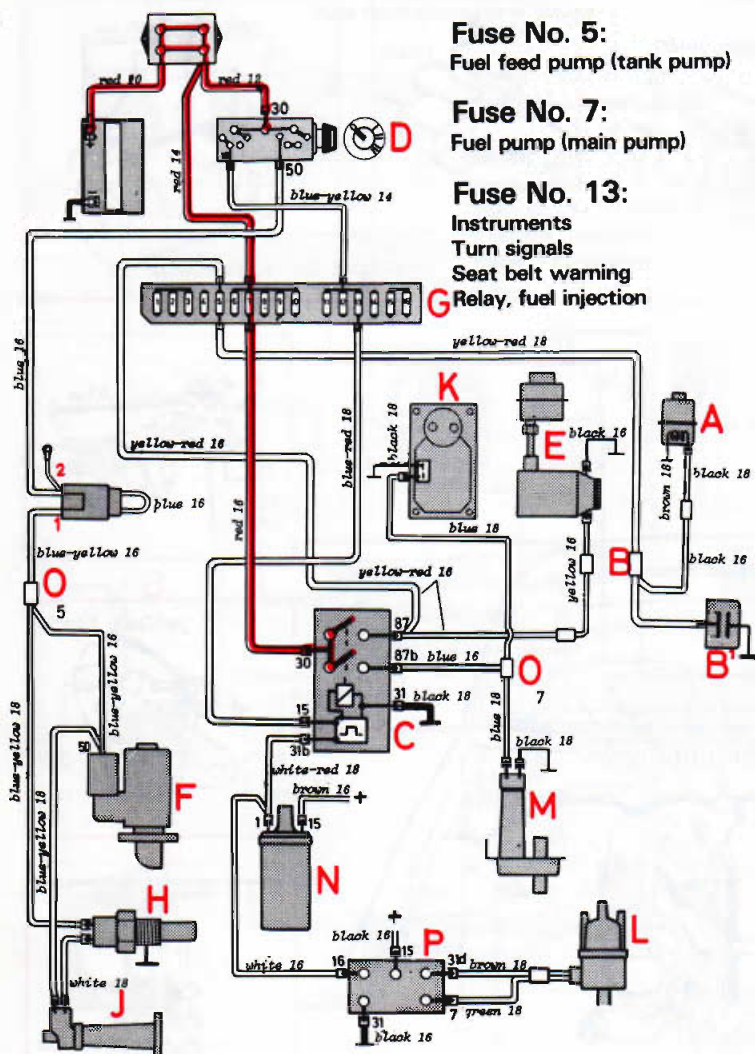
Legend:

- A Fuel feed pump (tank pump)
- B Connector
- B' Capacitor
- C Electronic pump relay
- D Ignition switch
- E Fuel pump (main pump)
- F Starter motor
- G Fuse box
- H Thermal time switch
- J Cold start injector
- K Control pressure regulator
- L Distributor
- M Auxiliary air valve
- N Ignition coil
- O Connector
- P Ignition electronic module

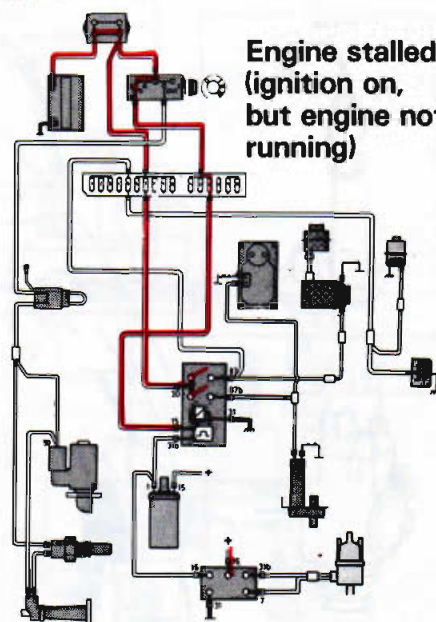
Fuse No. 5:
Fuel feed pump (tank pump)

Fuse No. 7:
Fuel pump (main pump)

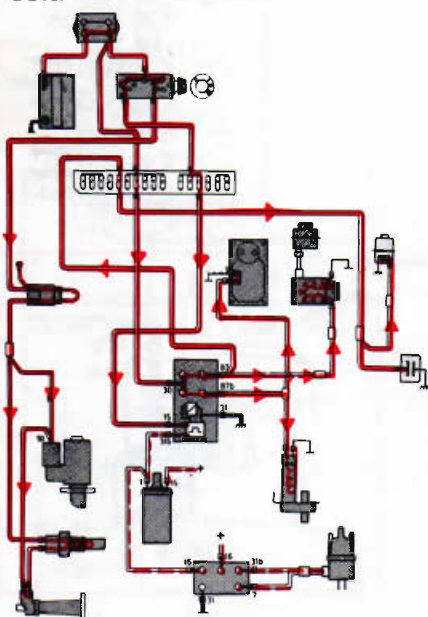
Fuse No. 13:
Instruments
Turn signals
Seat belt warning
Relay, fuel injection



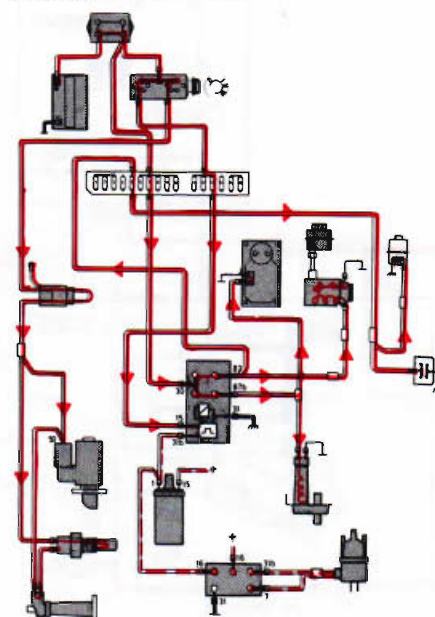
**Engine stalled
(ignition on,
but engine not
running)**



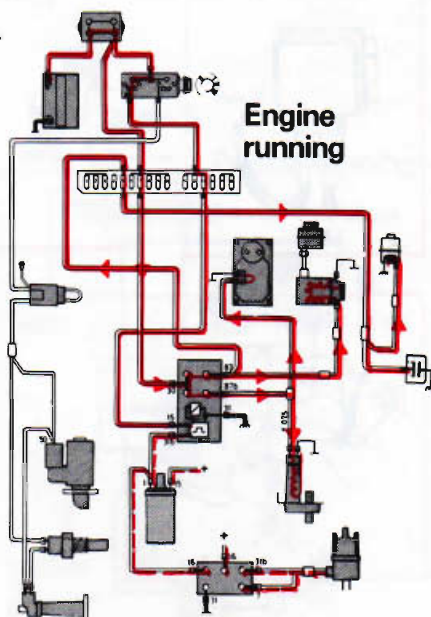
**Starting engine
cold**

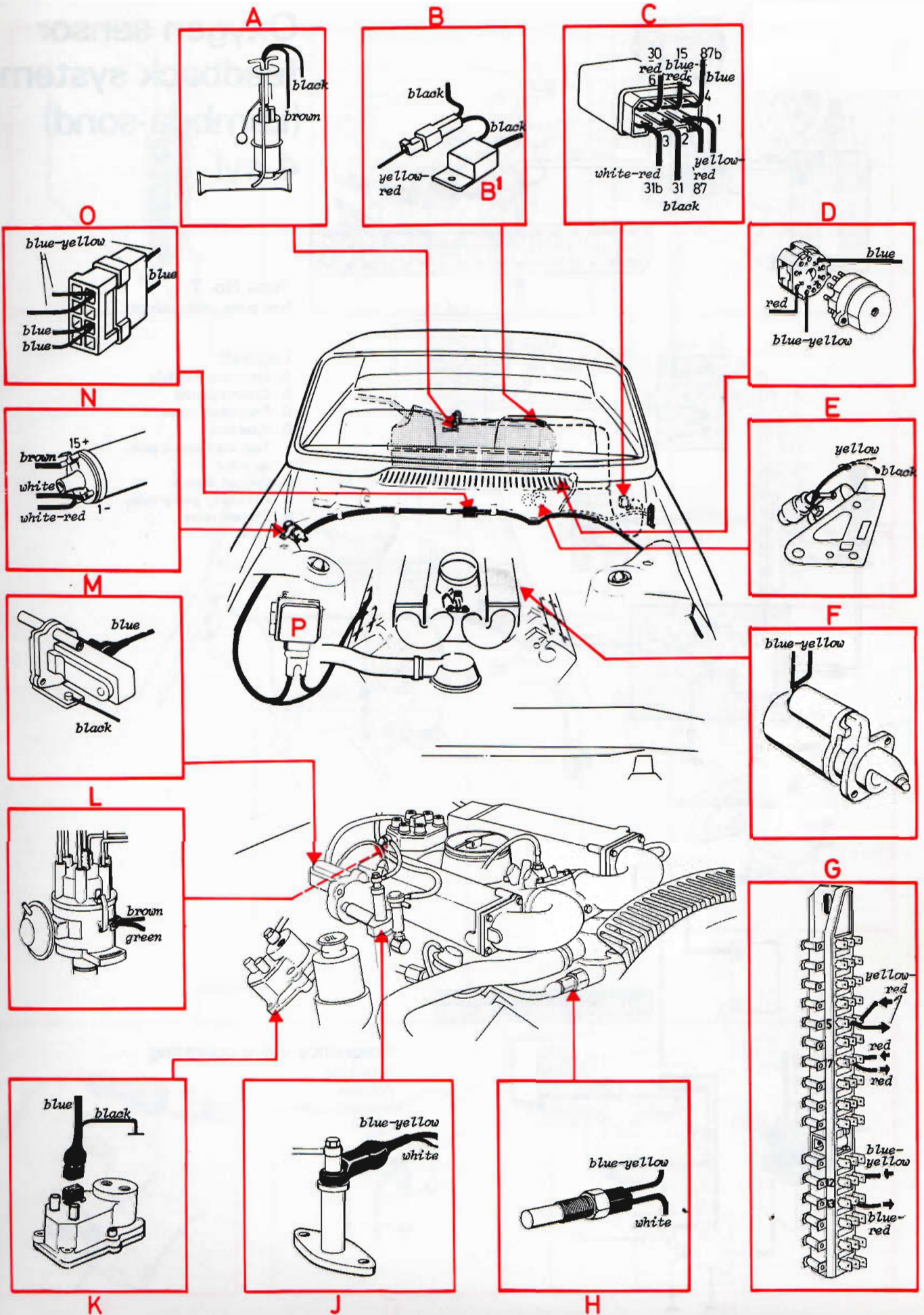


**Starting engine
warm**

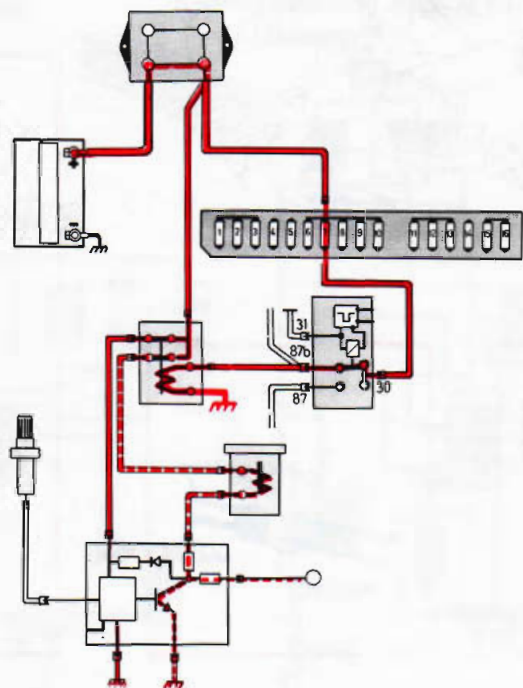
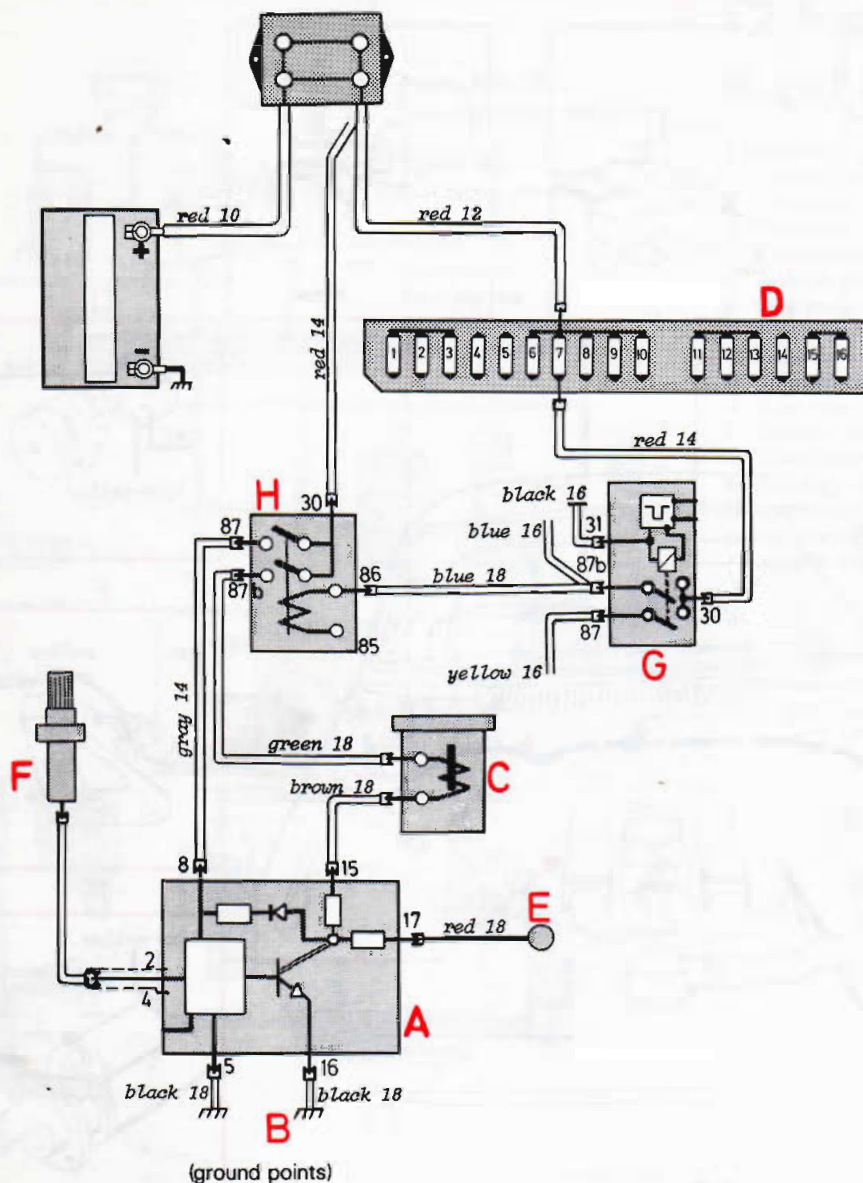


**Engine
running**





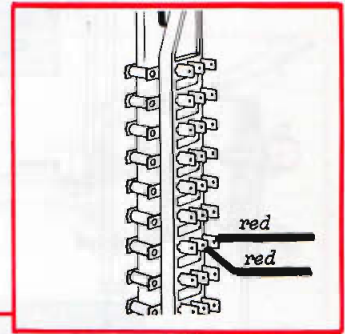
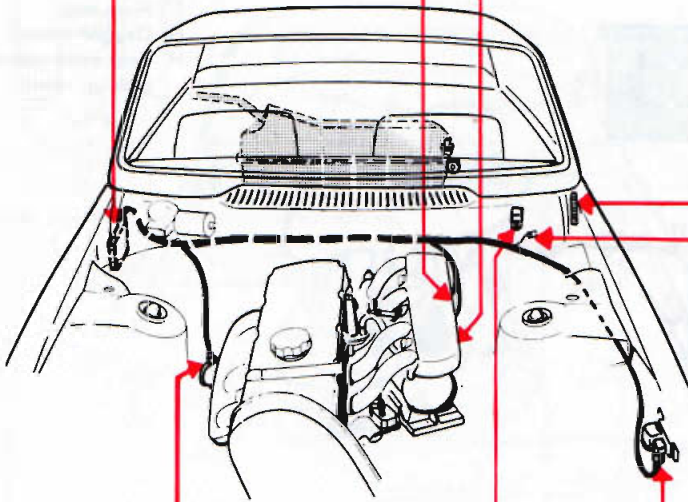
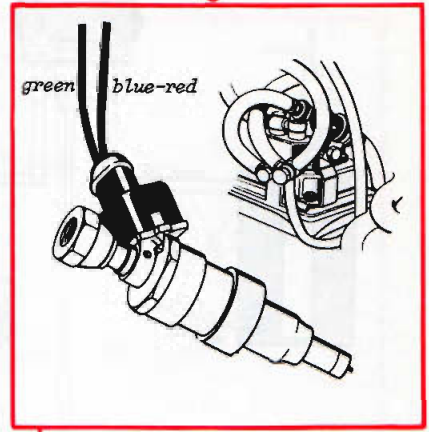
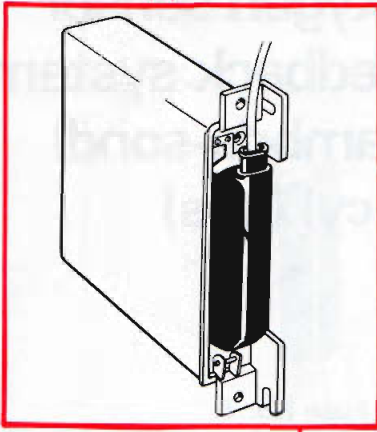
Oxygen sensor feedback system (Lambda-sond) 4-cyl



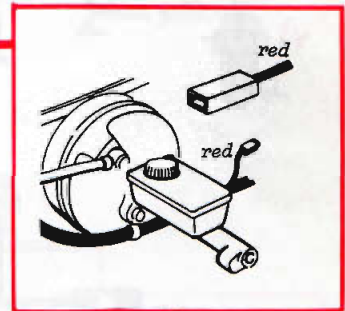
A

B

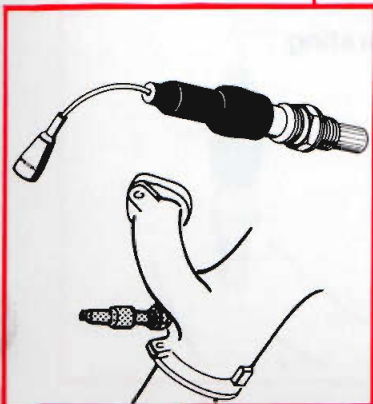
C



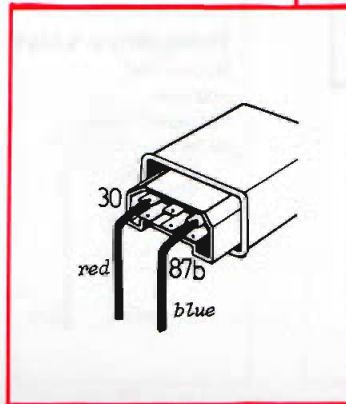
D



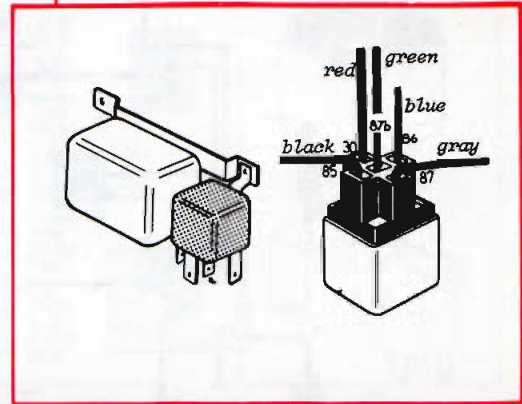
E



F

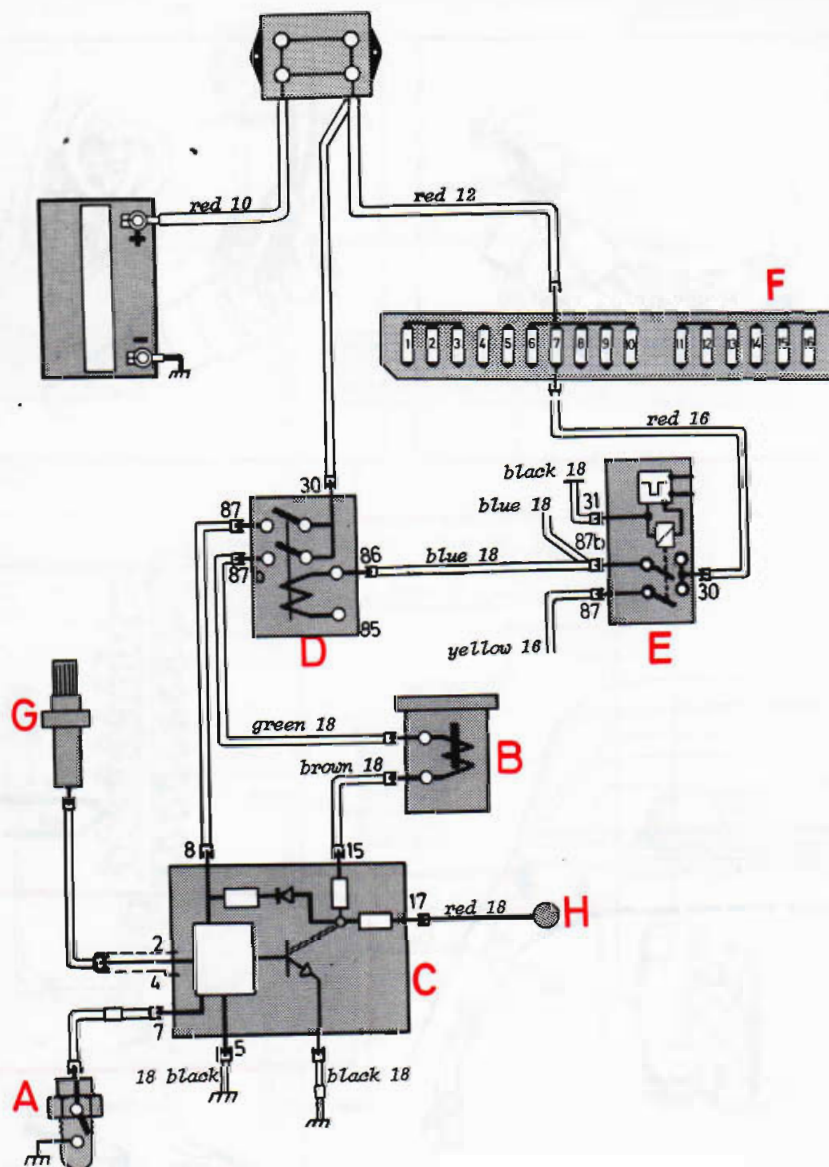


G



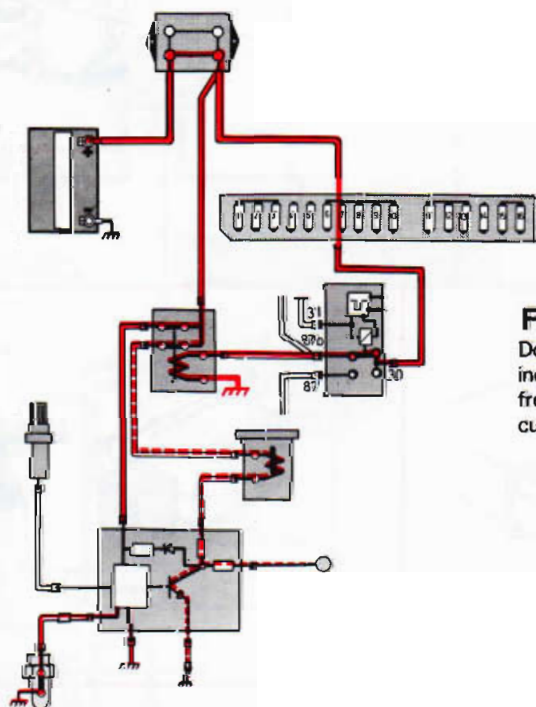
H

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

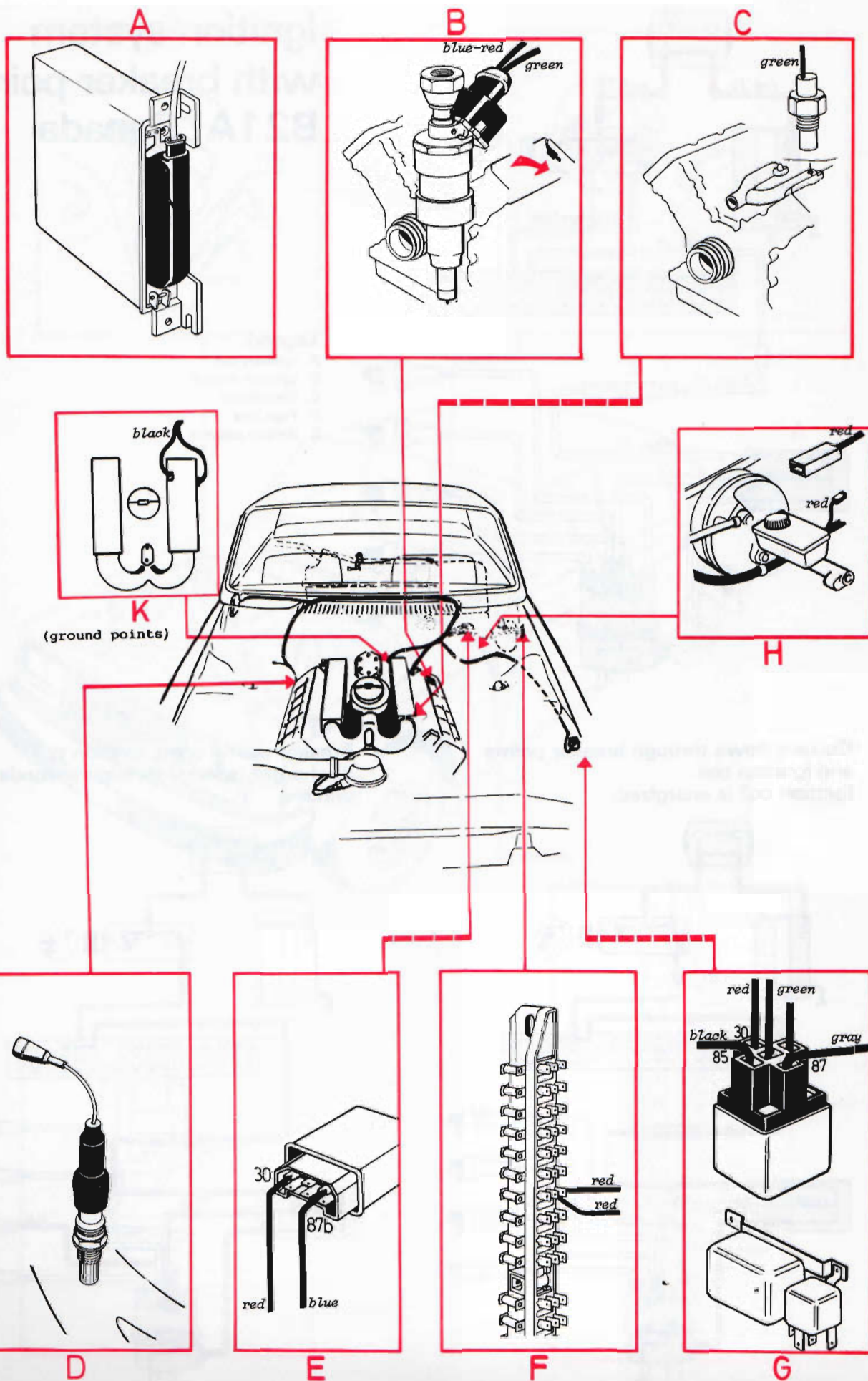


Fuse No. 7:
Fuel pump (main pump)

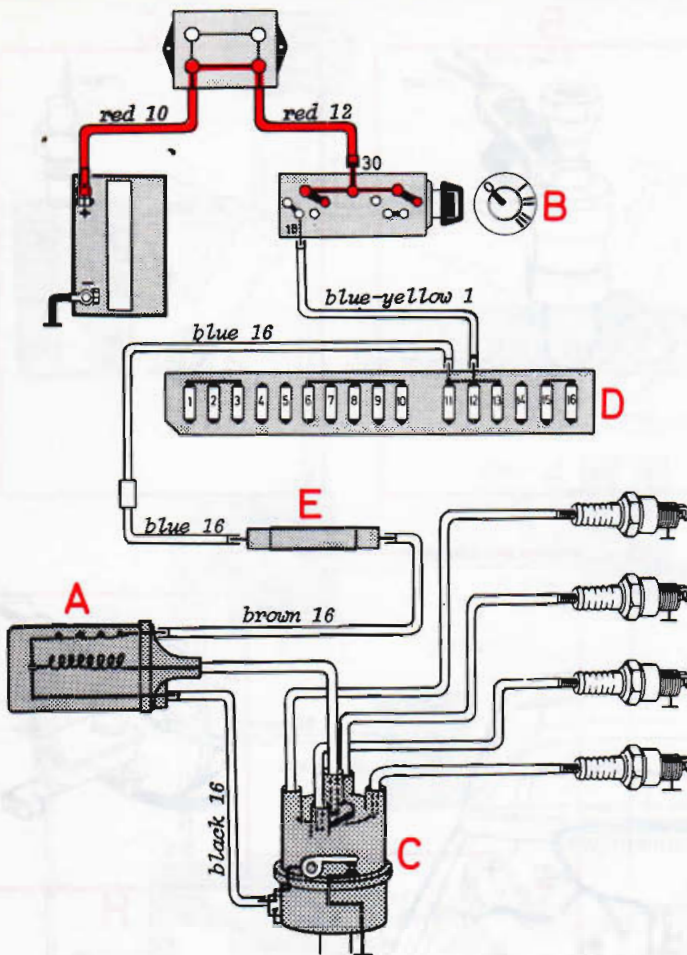
Legend:
A Thermal switch
B Frequency valve
C Electronic module
D System relay
E Electronic pump relay
F Fuse box
G Oxygen sensor
H Test instrument
pick-up point



Frequency valve operating
Dotted line
indicates
frequency valve
current

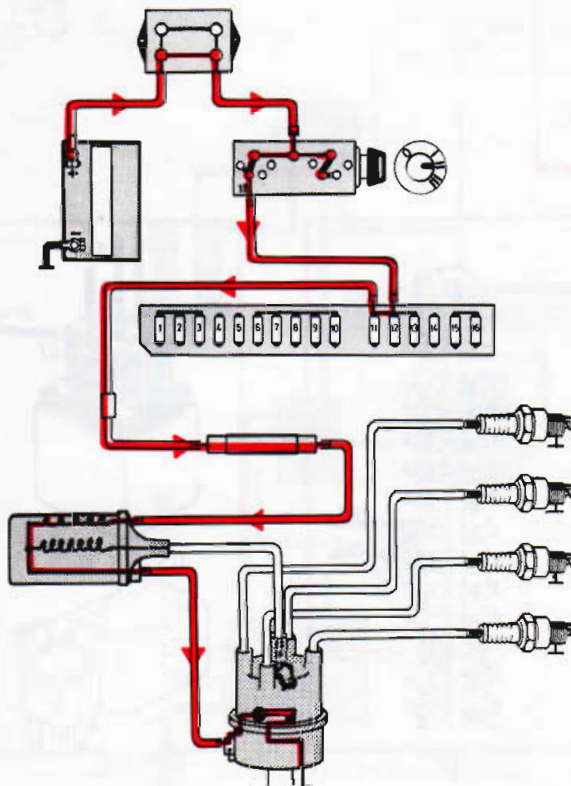


Ignition system with breaker points, B21A/Canada

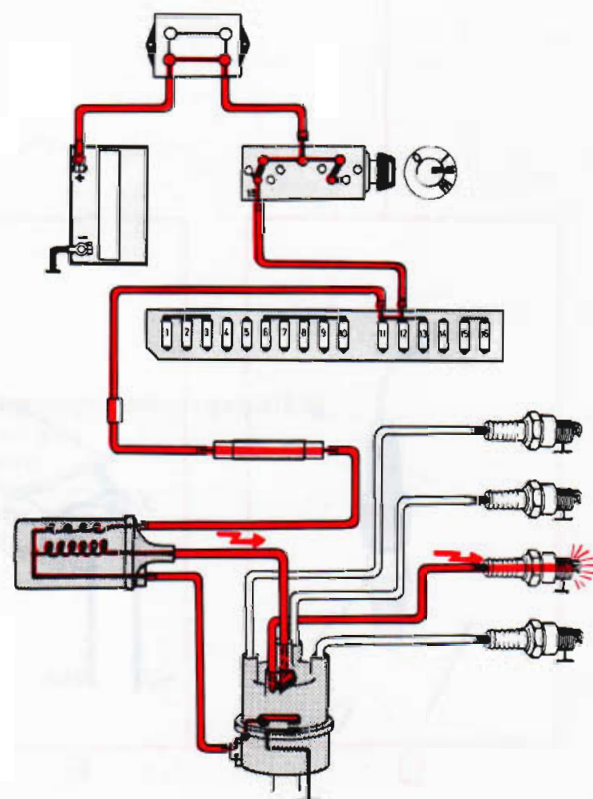


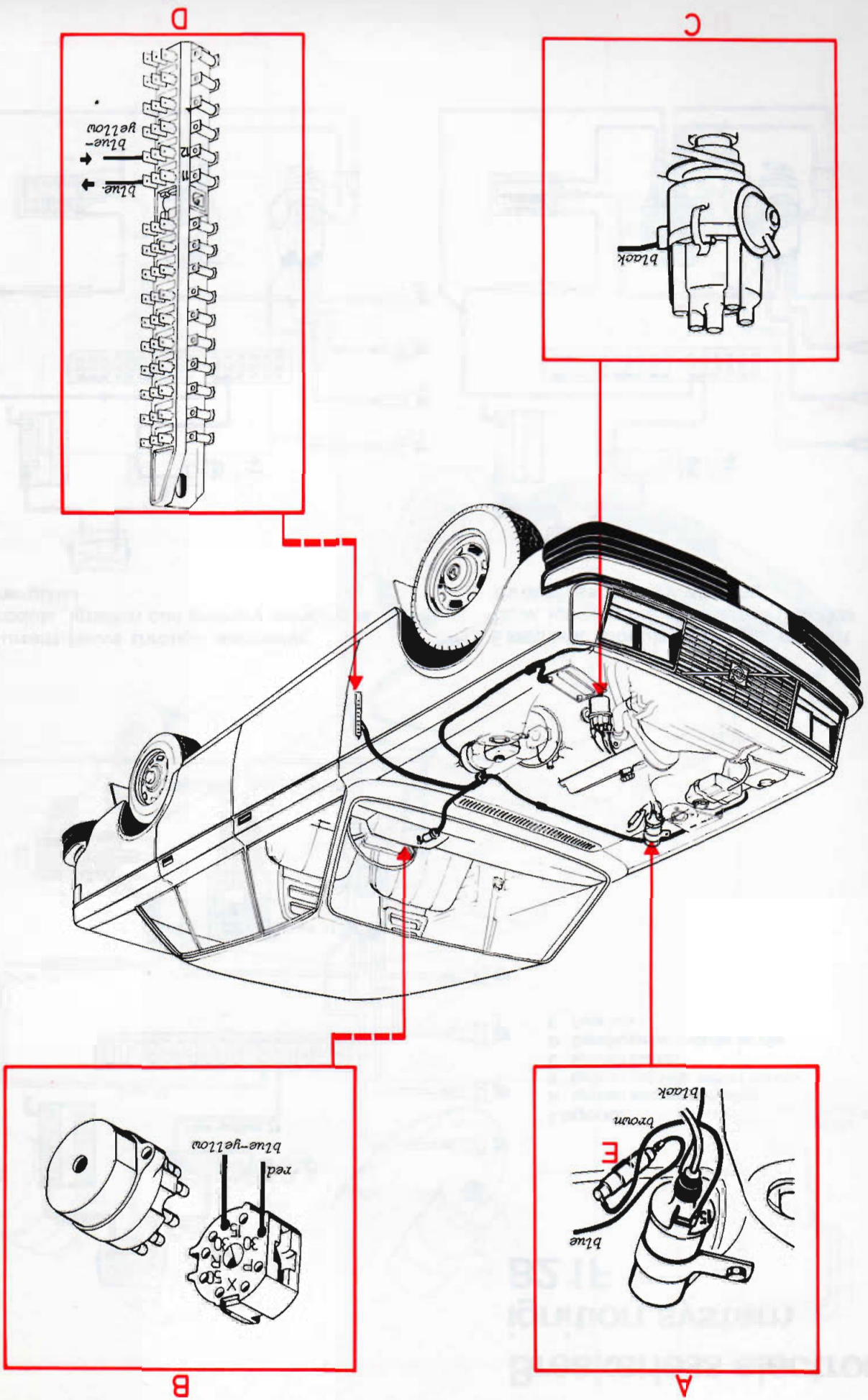
- Legend:**
A Ignition coil
B Ignition switch
C Distributor
D Fuse box
E Ballast resistor

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

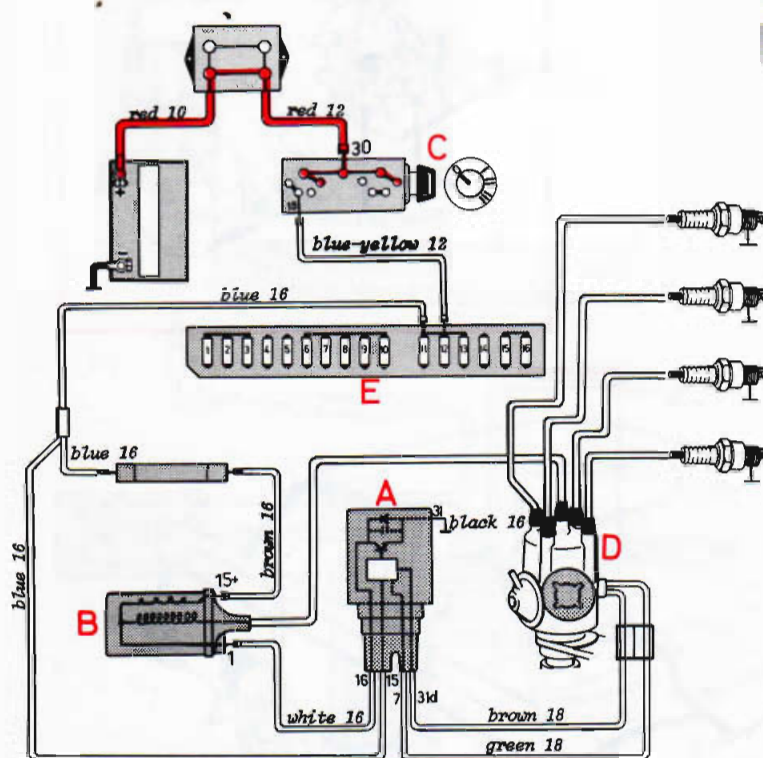


Breaker points open, ignition coil
discharges (sparks) through secondary
winding.





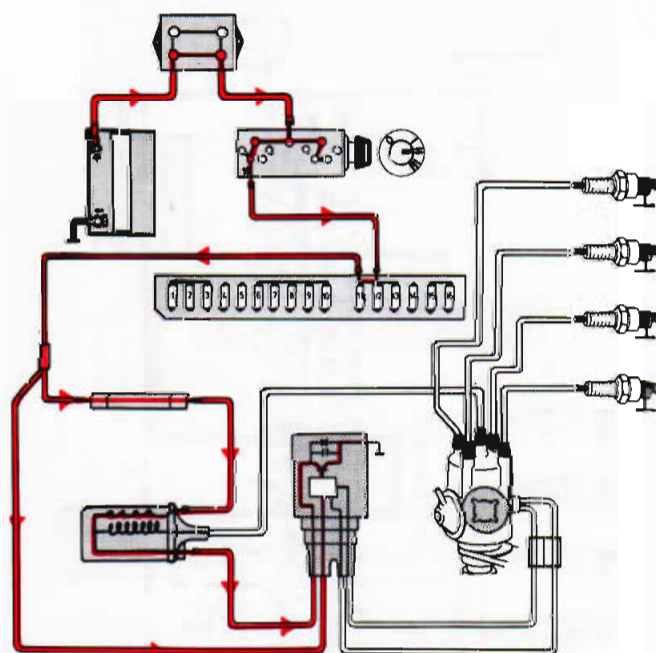
Breakerless electronic ignition system B2 1F



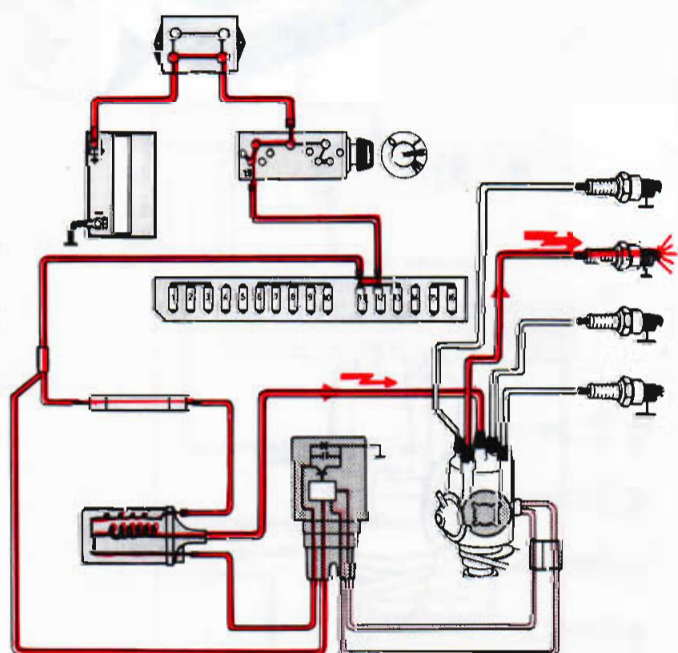
Legend:

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

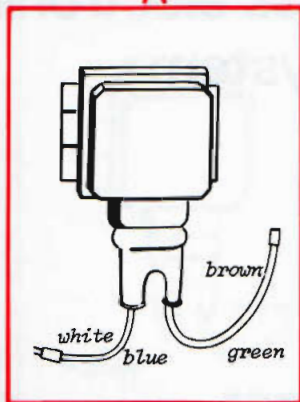
Current flows through electronic module, ignition coil primary winding is energized.



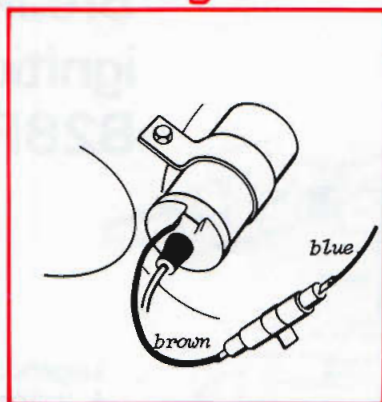
Electronic module interrupts current flow, ignition coil discharges (sparks) through secondary winding.



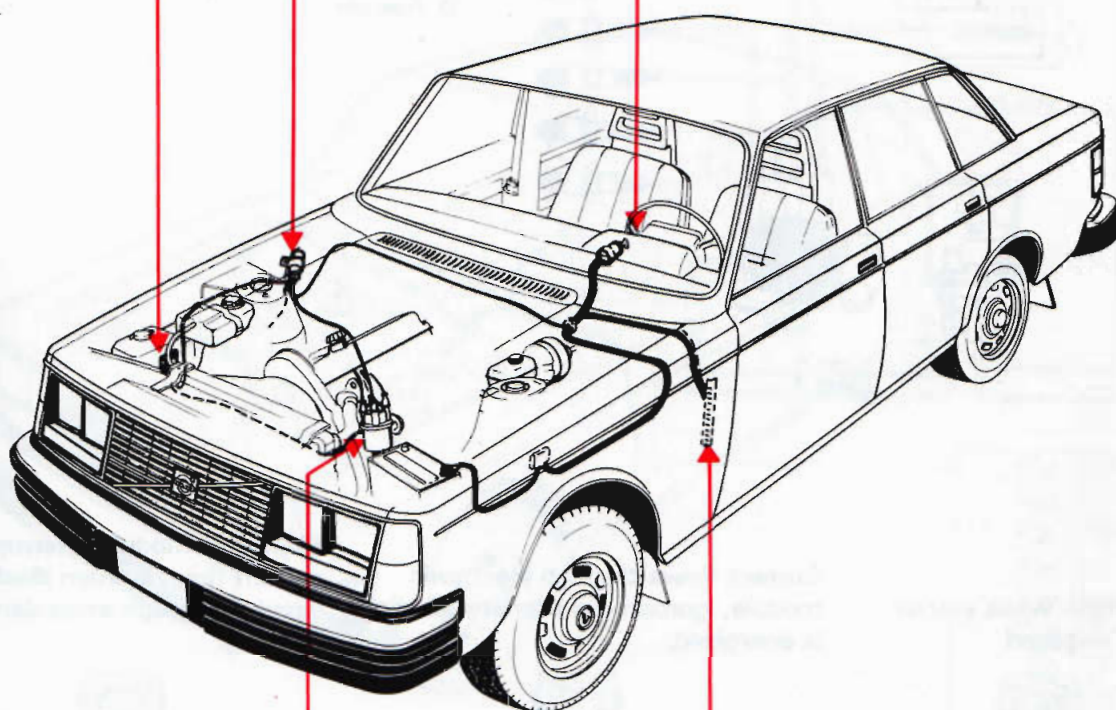
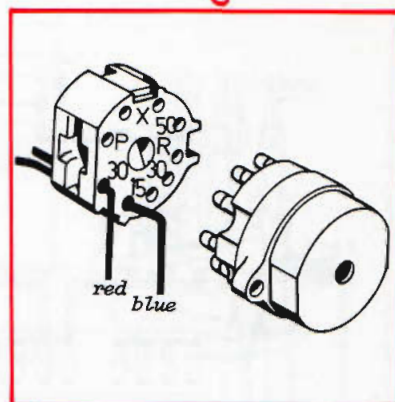
A



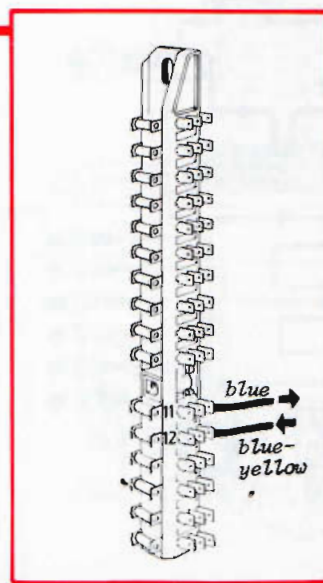
B



C

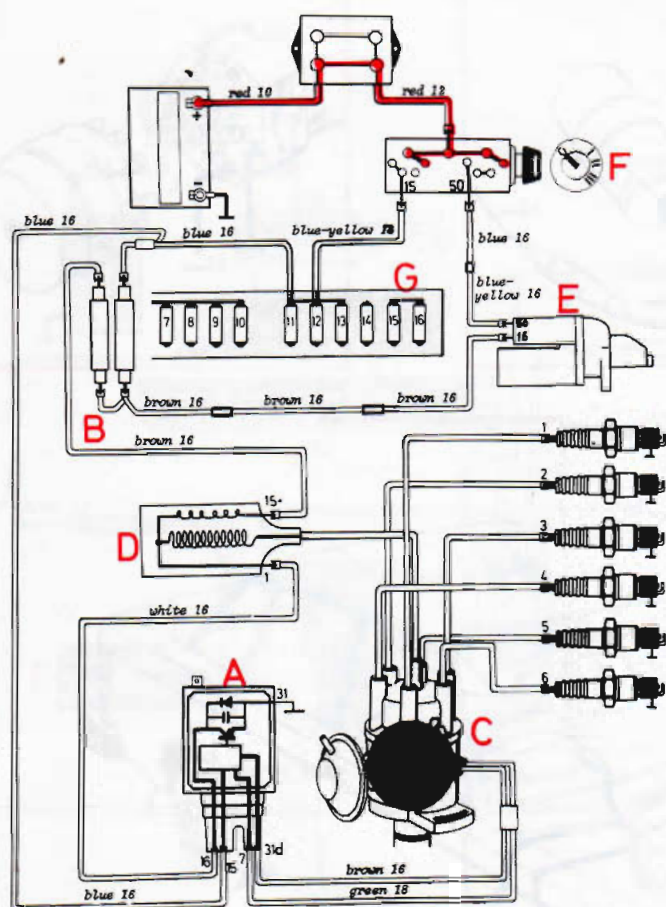


D



E

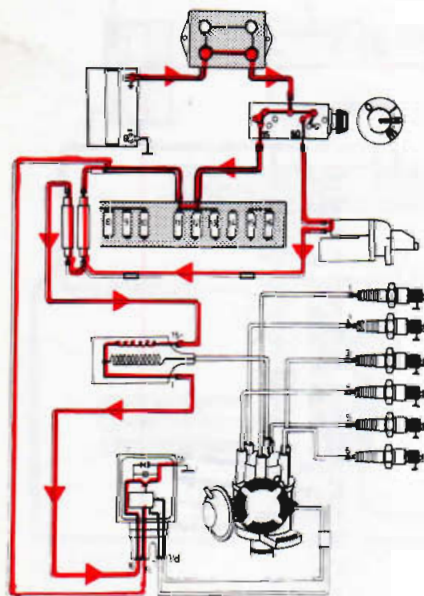
Breakerless electronic ignition system B28F



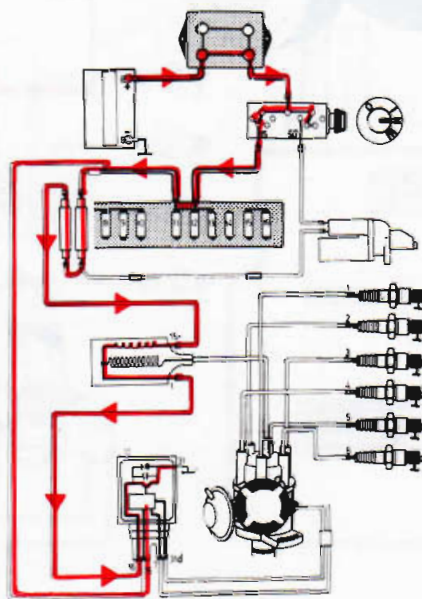
Legend:

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

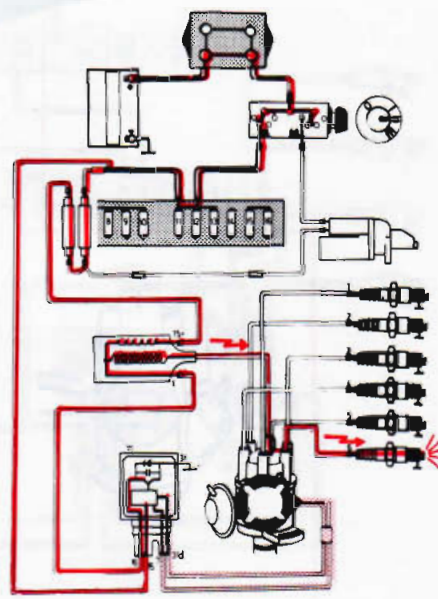
Current flow while starter
motor is engaged.



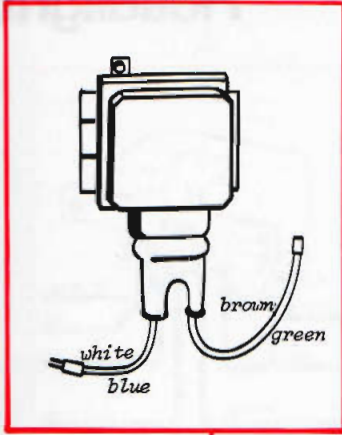
Current flows through electronic
module, ignition coil primary winding
is energized.



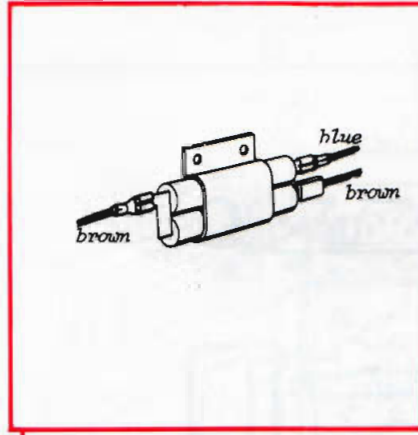
Electronic module interrupts
current flow, ignition discharges
(sparks) through secondary
winding.



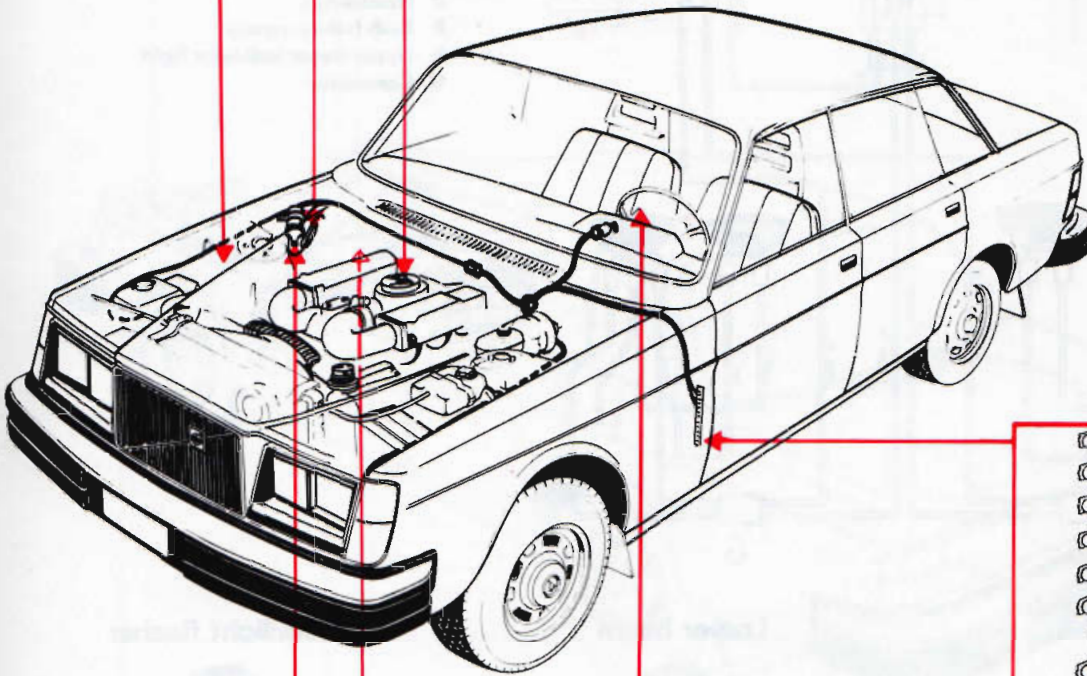
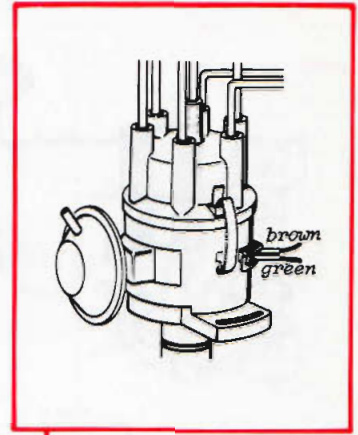
A



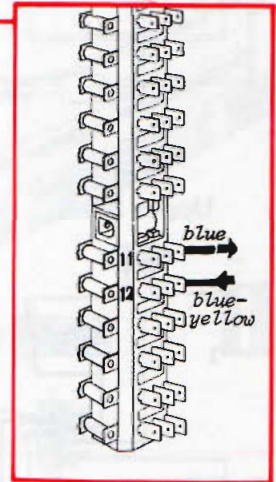
B



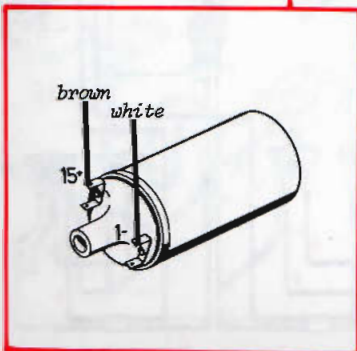
C



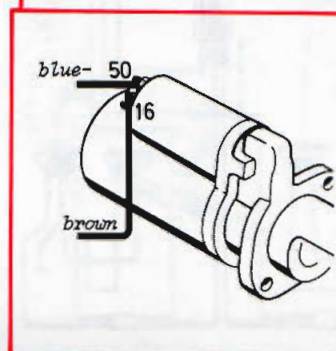
G



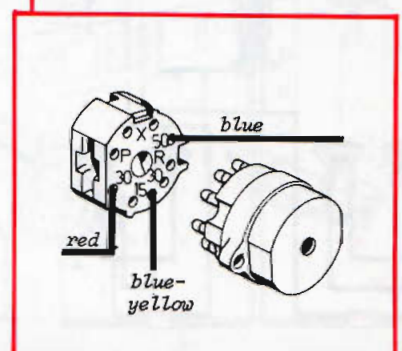
D



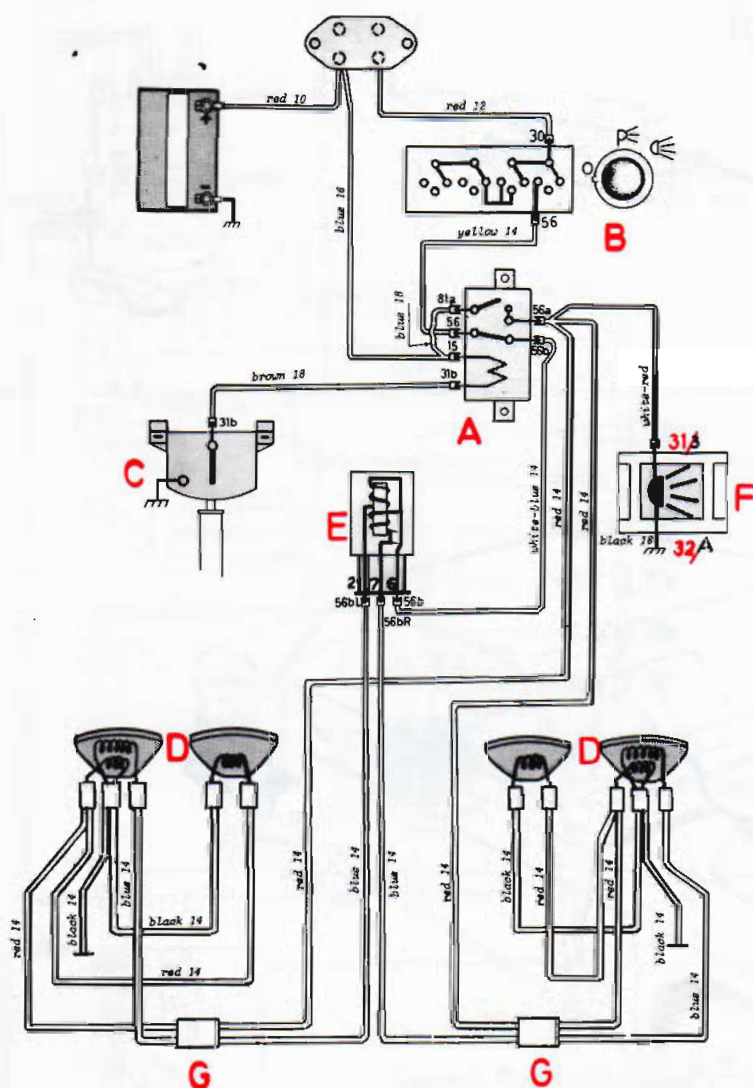
E



F



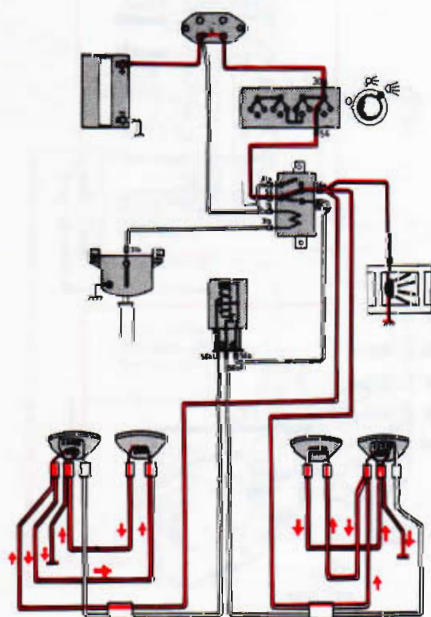
Headlights



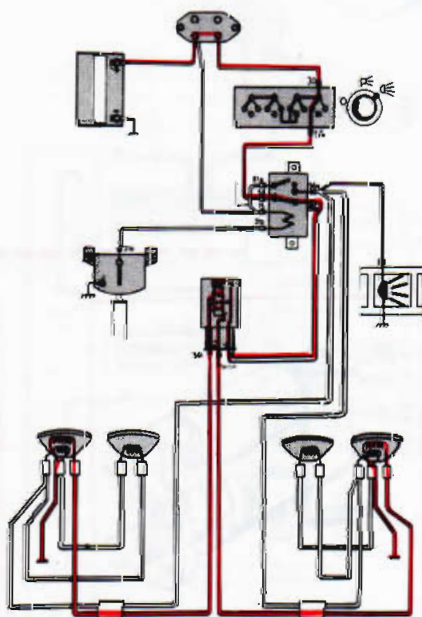
Legend:

- 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

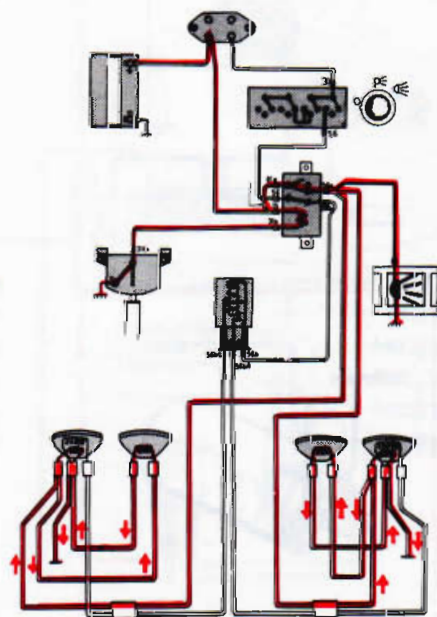
Upper beam

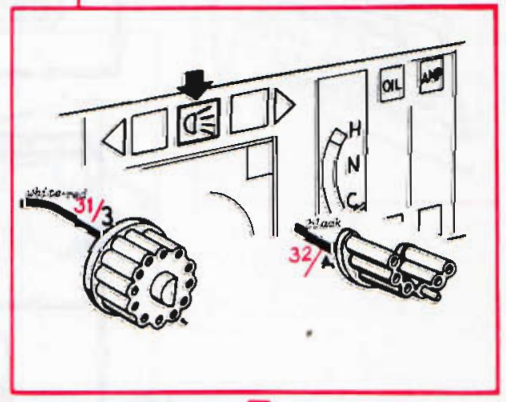
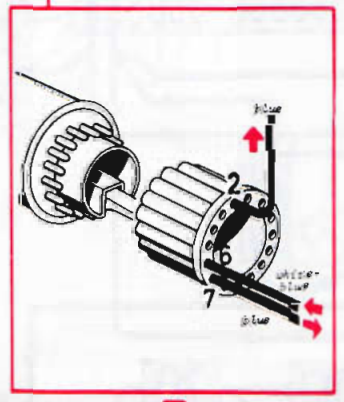
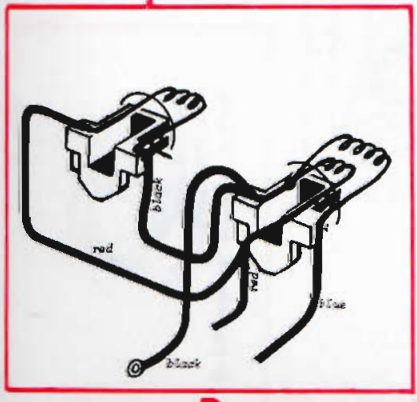
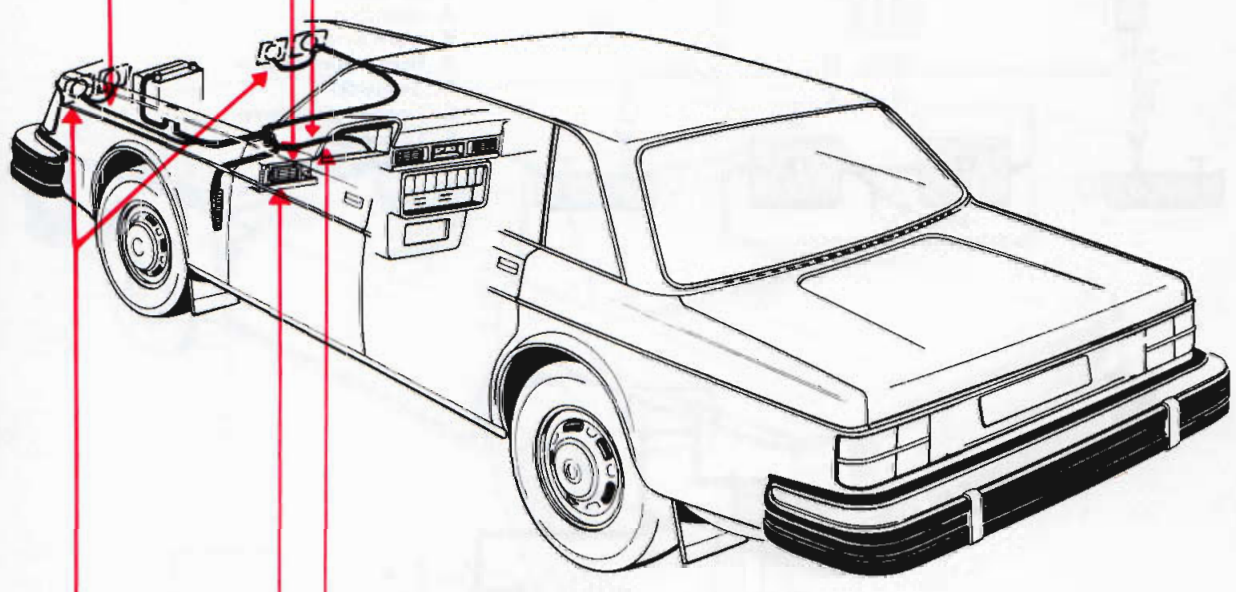
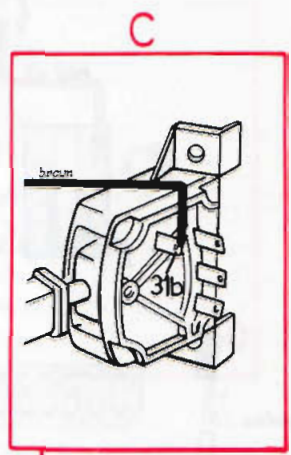
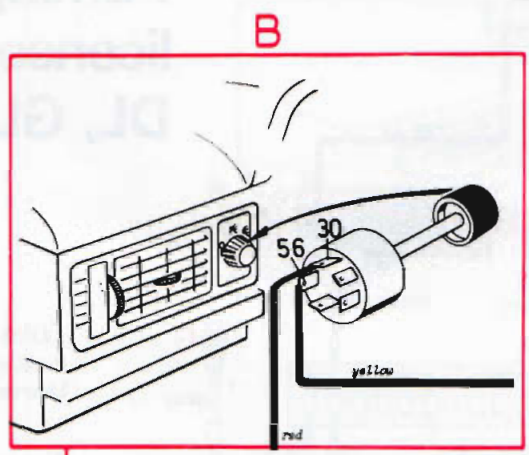
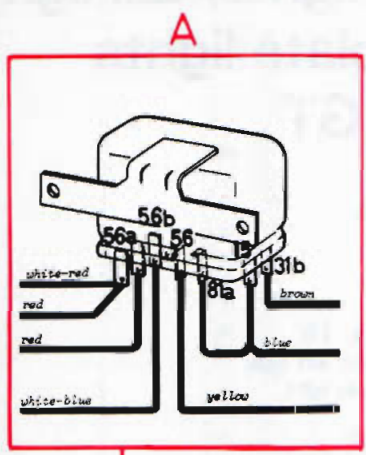


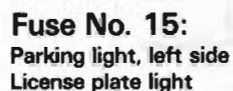
Lower beam



Headlight flasher

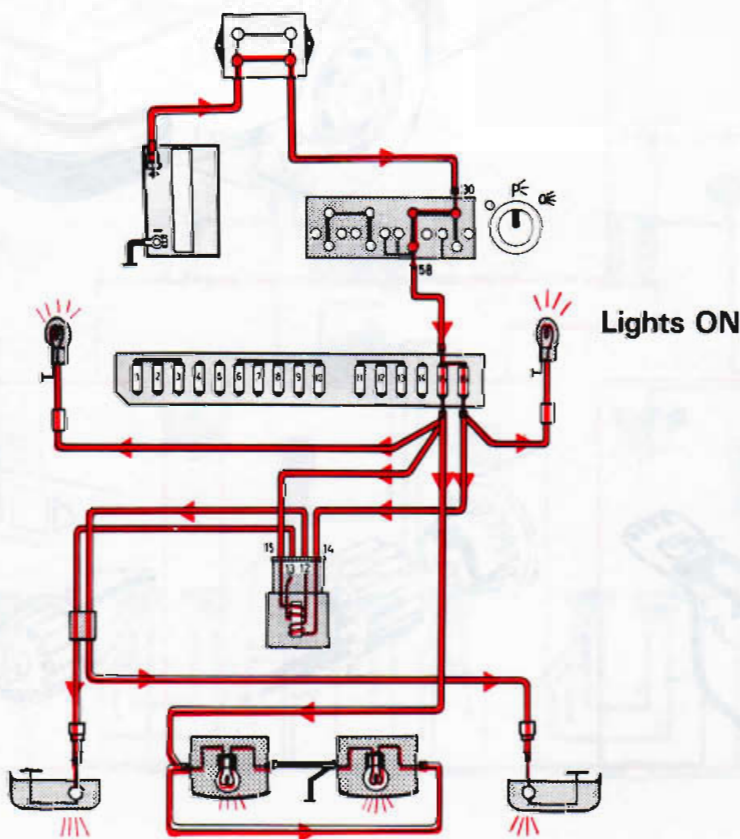


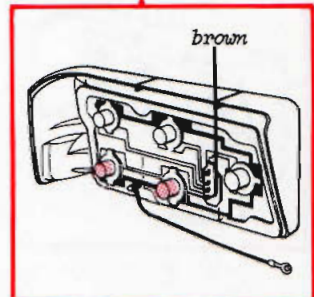
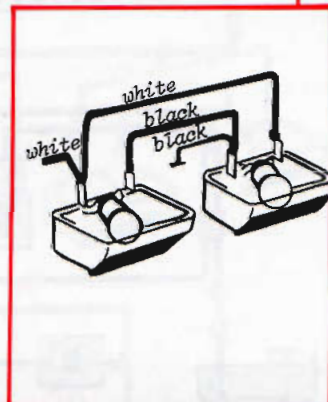
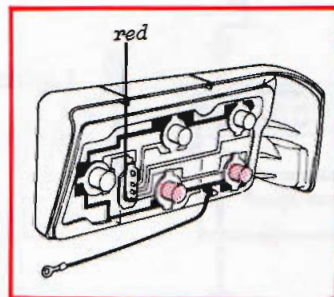
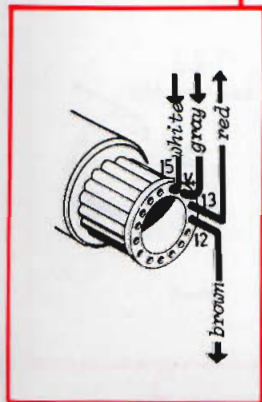
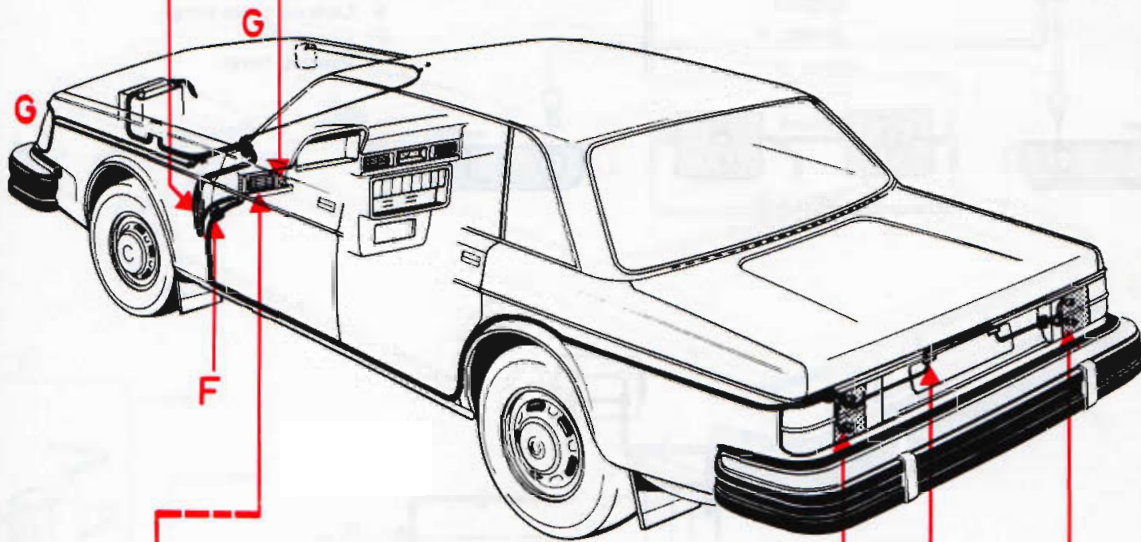
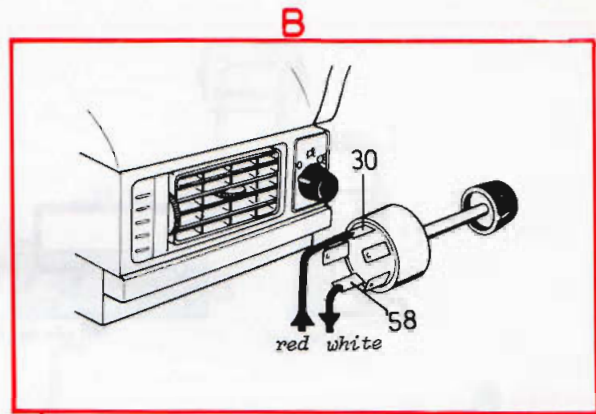
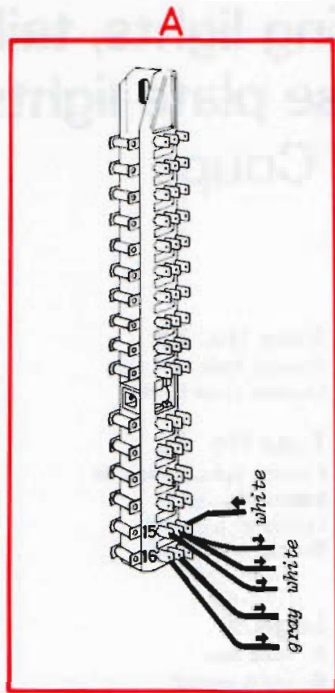




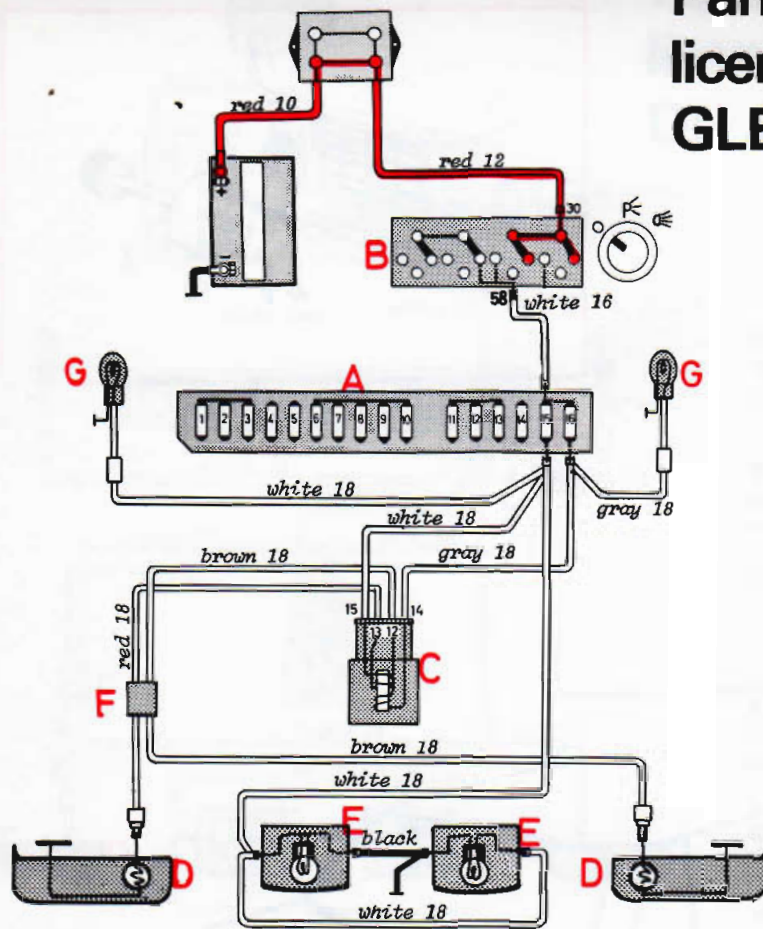
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

- 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

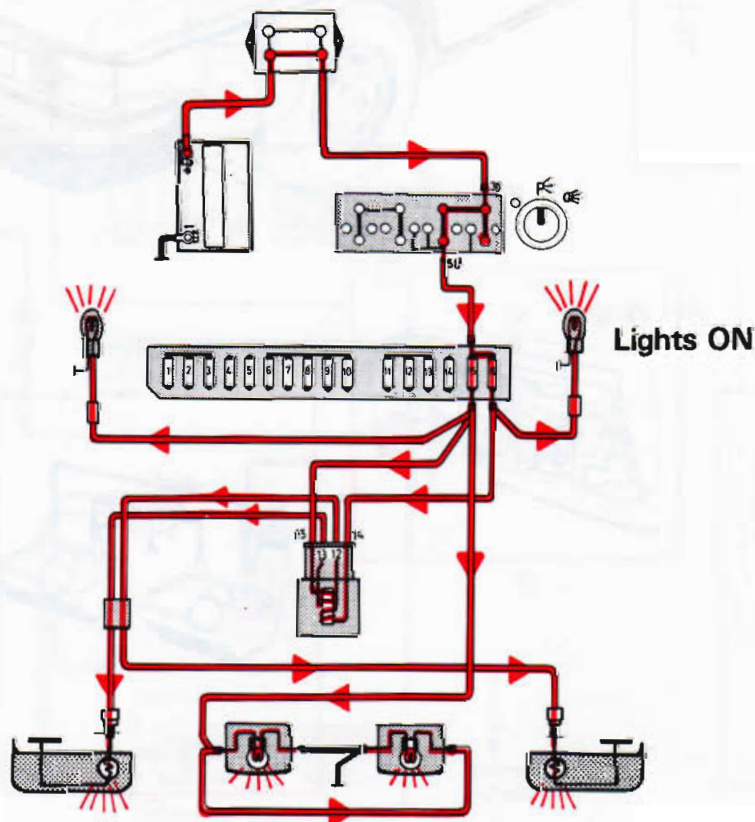


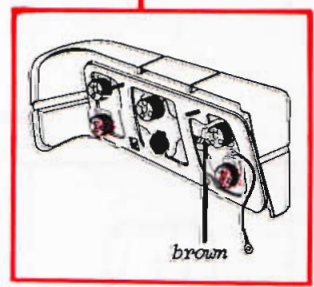
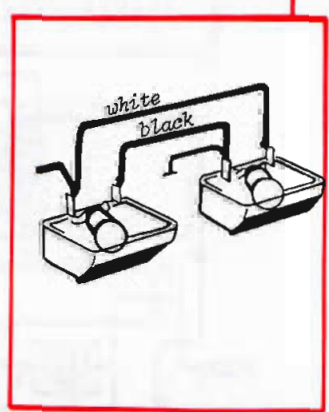
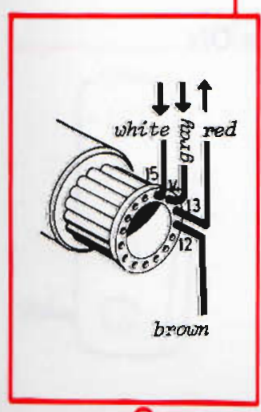
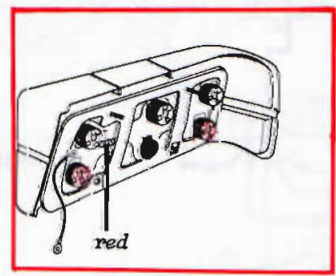
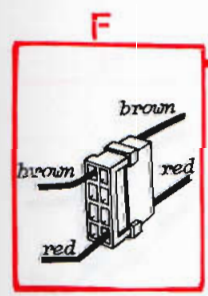
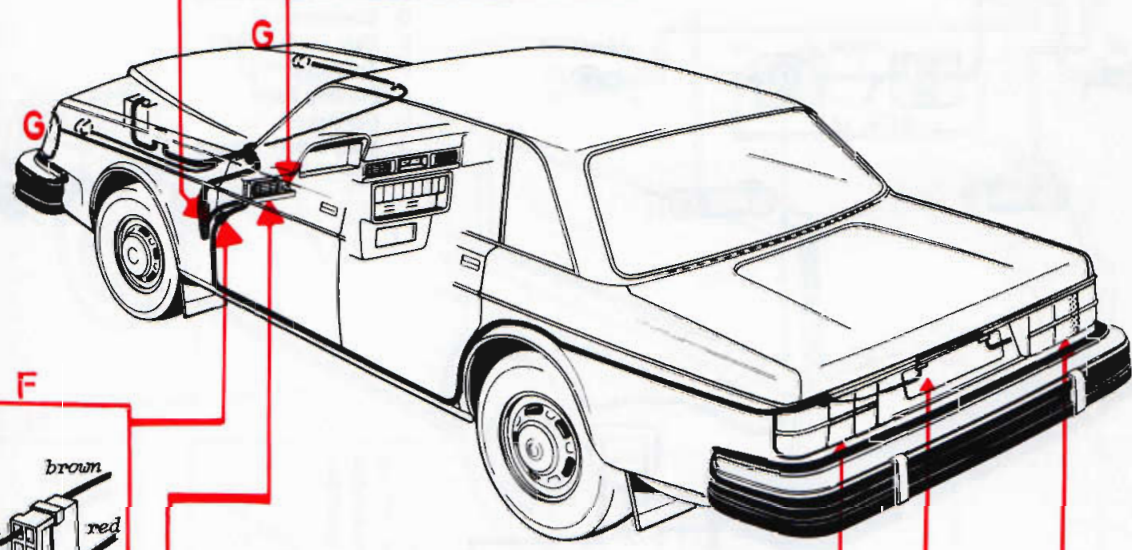
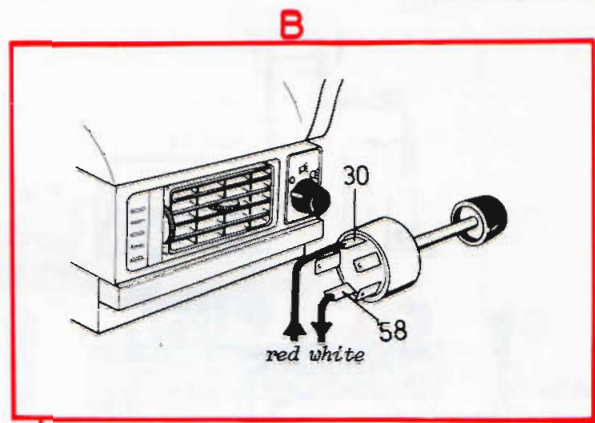
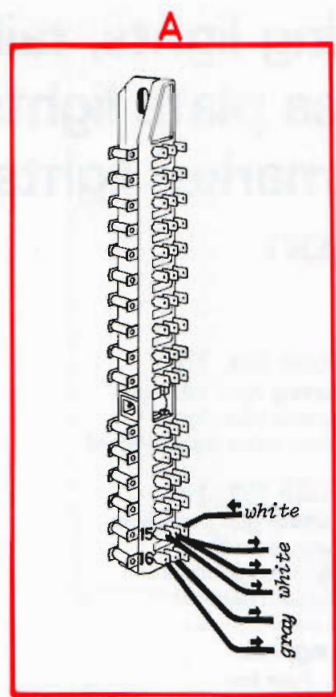
Fuse No. 15:
Parking light, left side
License plate light

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

Legend:

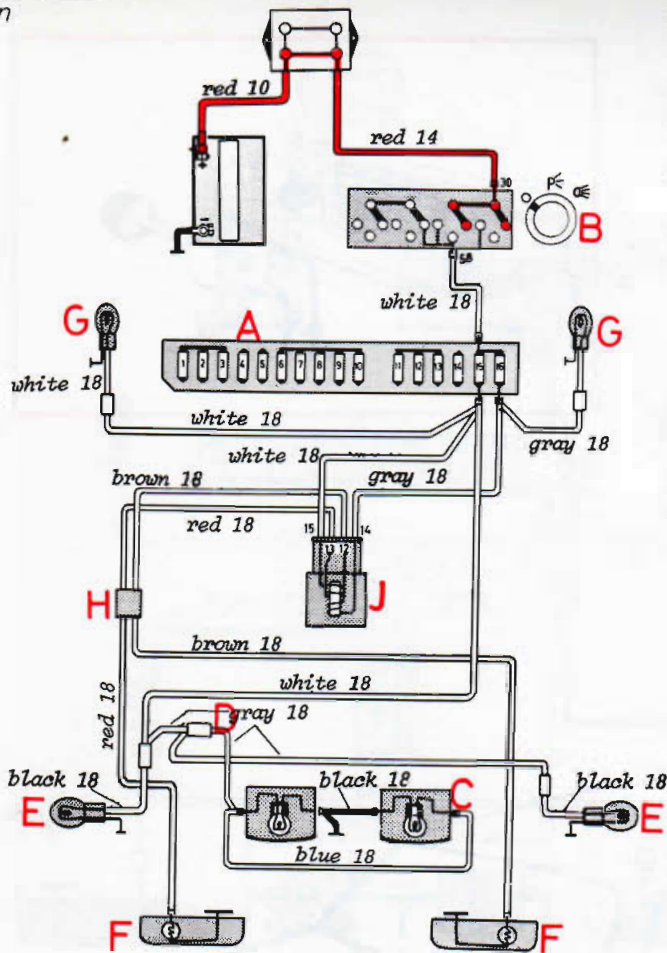
- A Fuse box
- B Light switch
- C Bulb failure sensor
- D Tail lamp
- E License plate lamp
- F Connector
- G Parking lamp





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

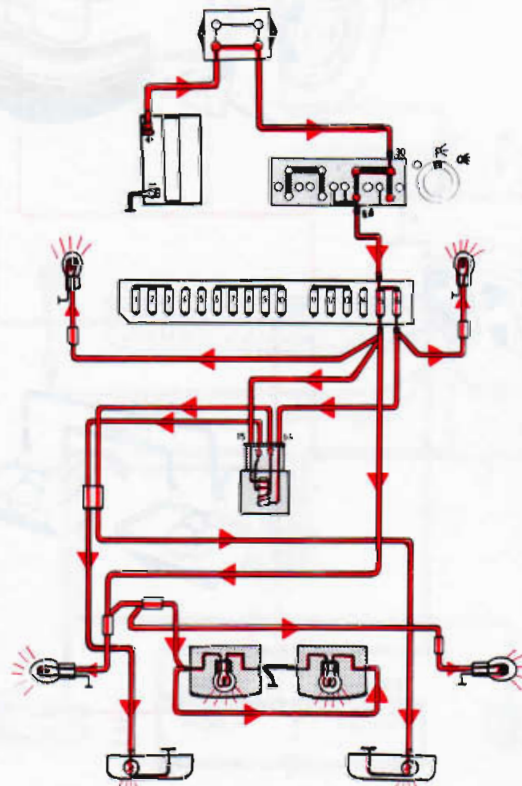
Parking lights, tail lights license plate lights, side marker lights Wagon



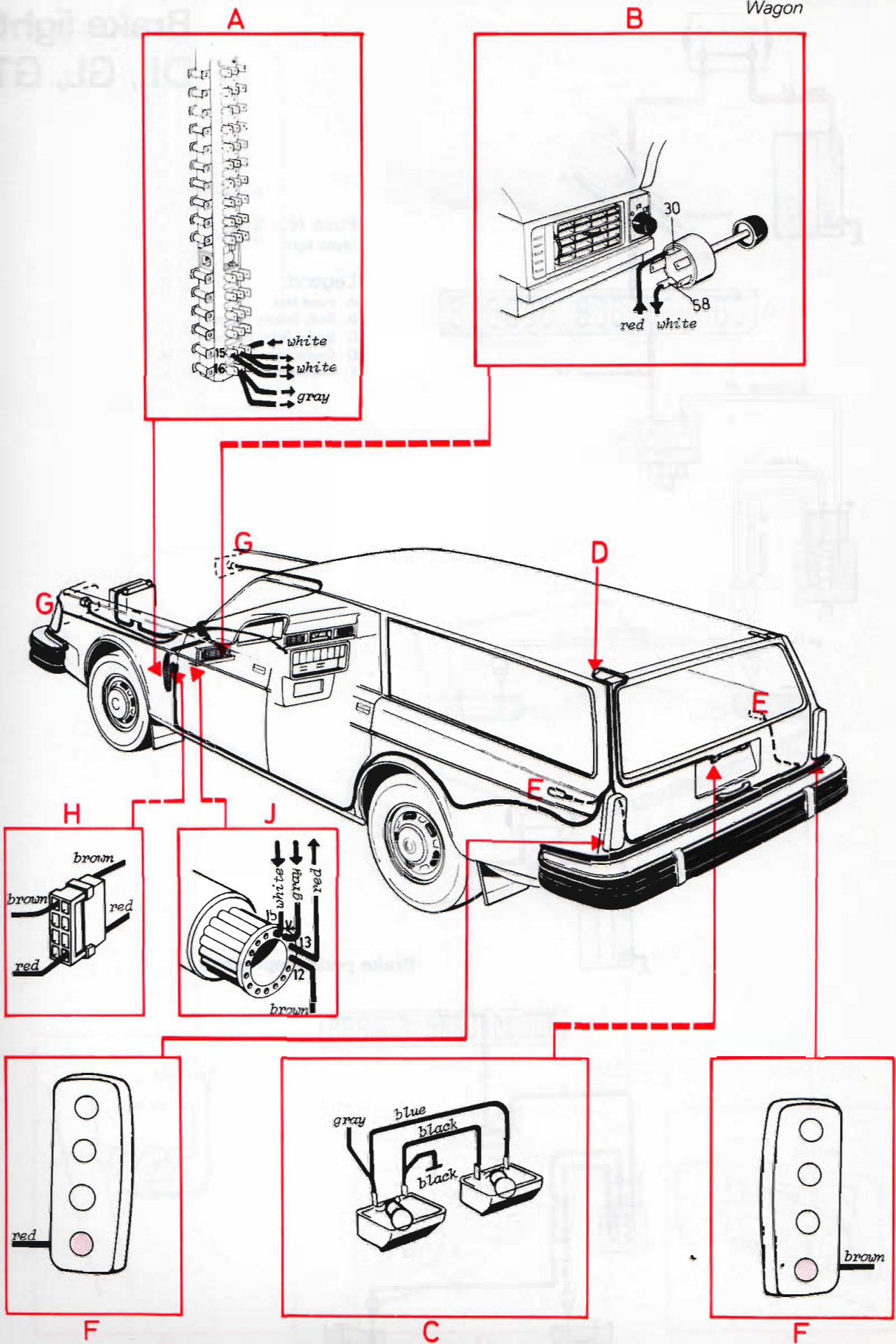
Fuse No. 15:
Parking light, left side
License plate light
Side marker light (wagon)

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

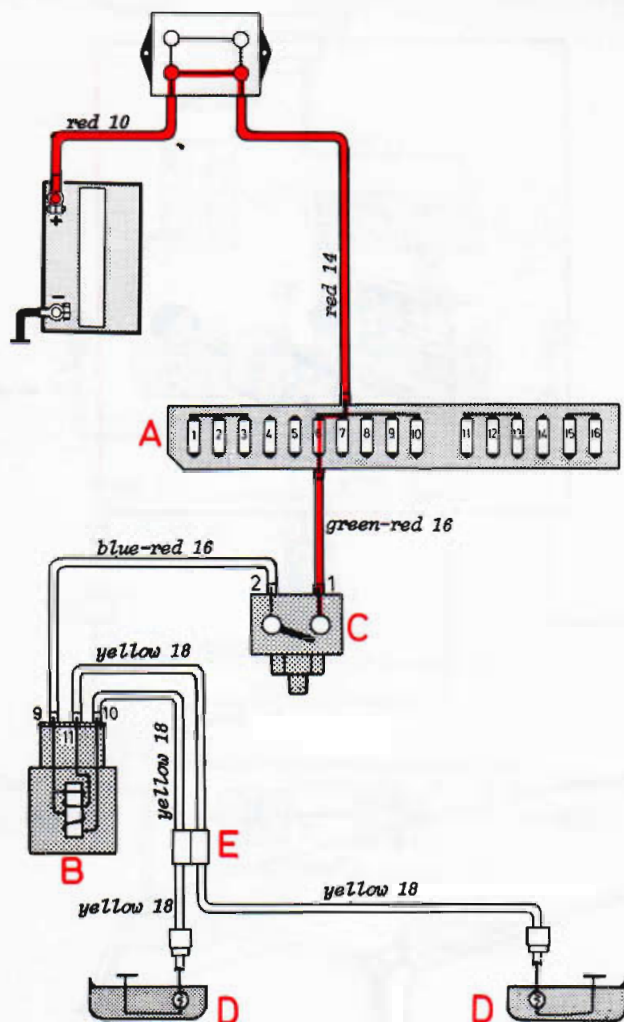
Legend:
A Fuse box
B Light switch
C License plate lamp
D Connector
E Side marker light
F Tail lamp
G Parking light
H Connector
J Bulb failure sensor



Lights ON



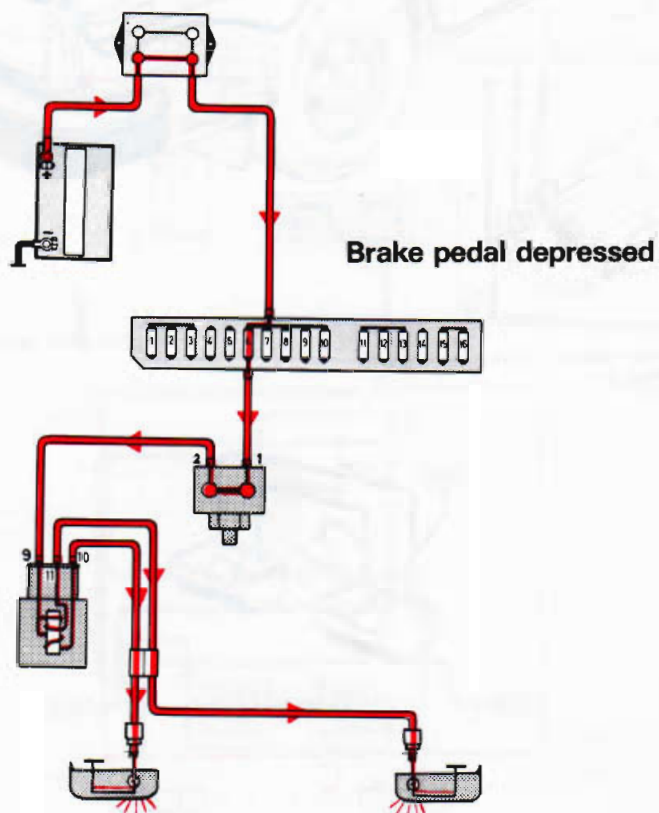
Brake lights DL, GL, GT

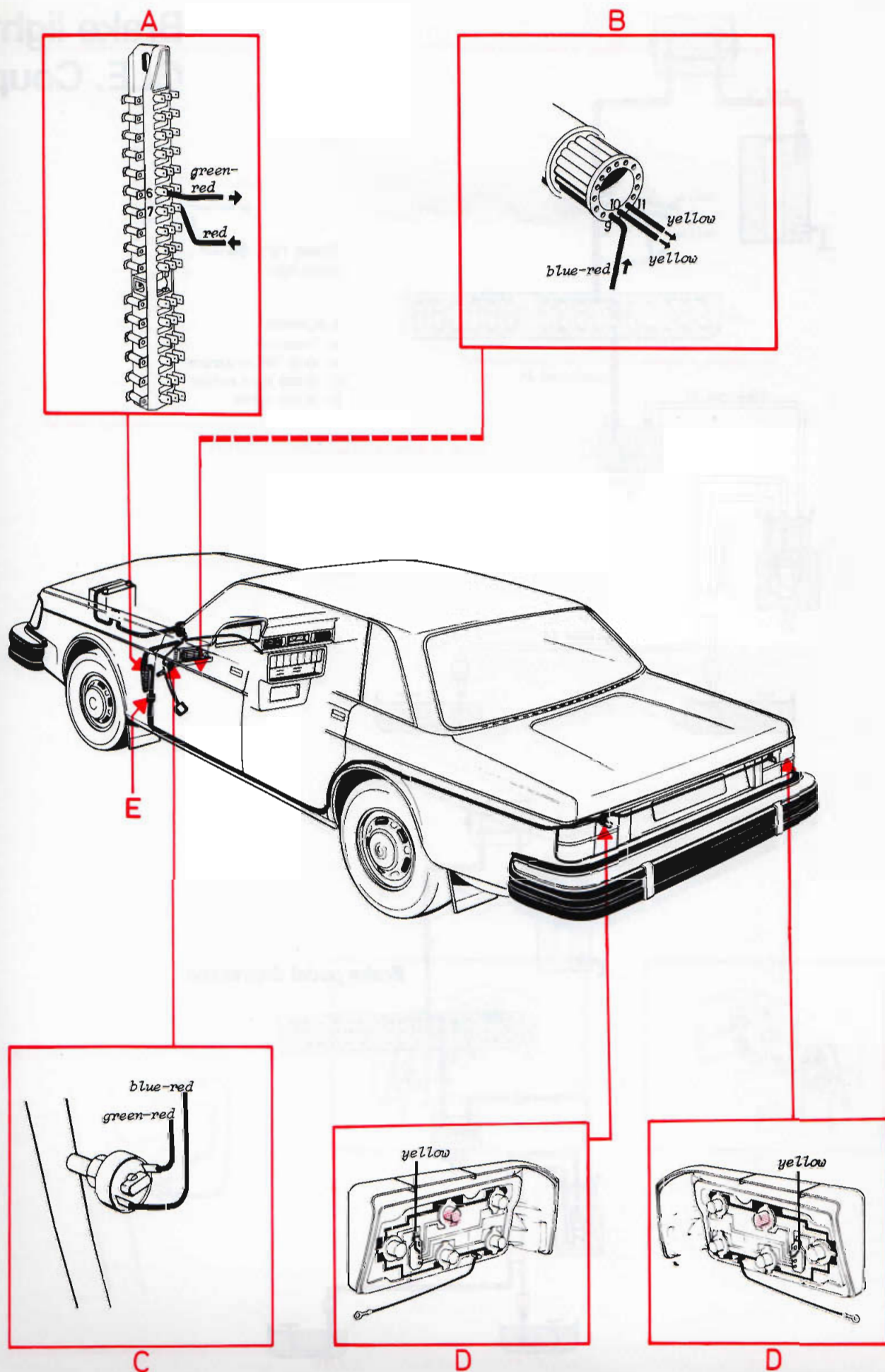


Fuse No. 6:
Brake light

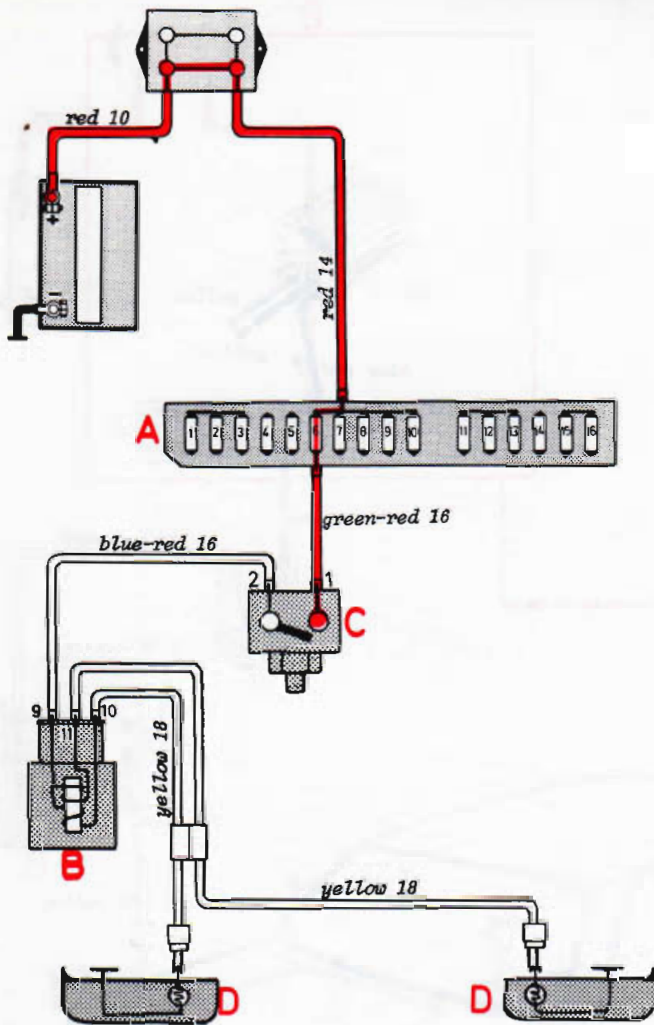
Legend:

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



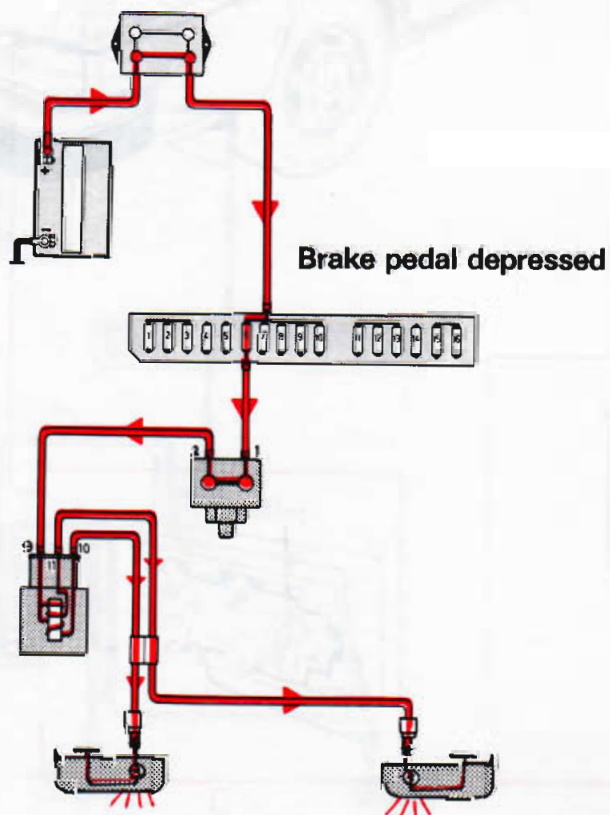


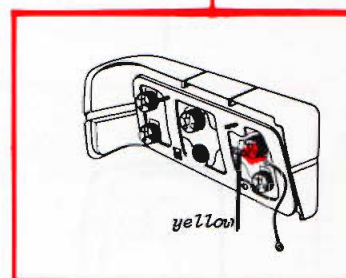
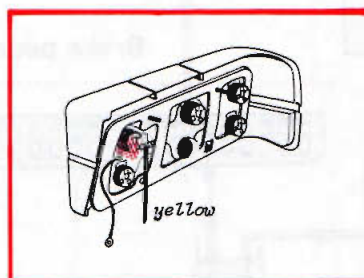
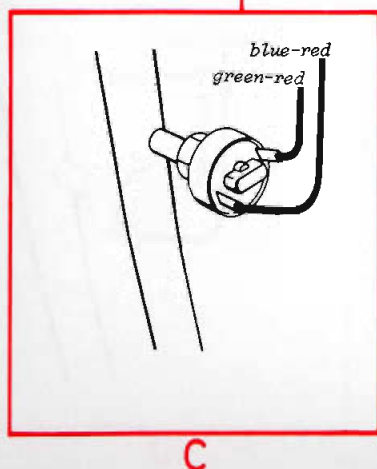
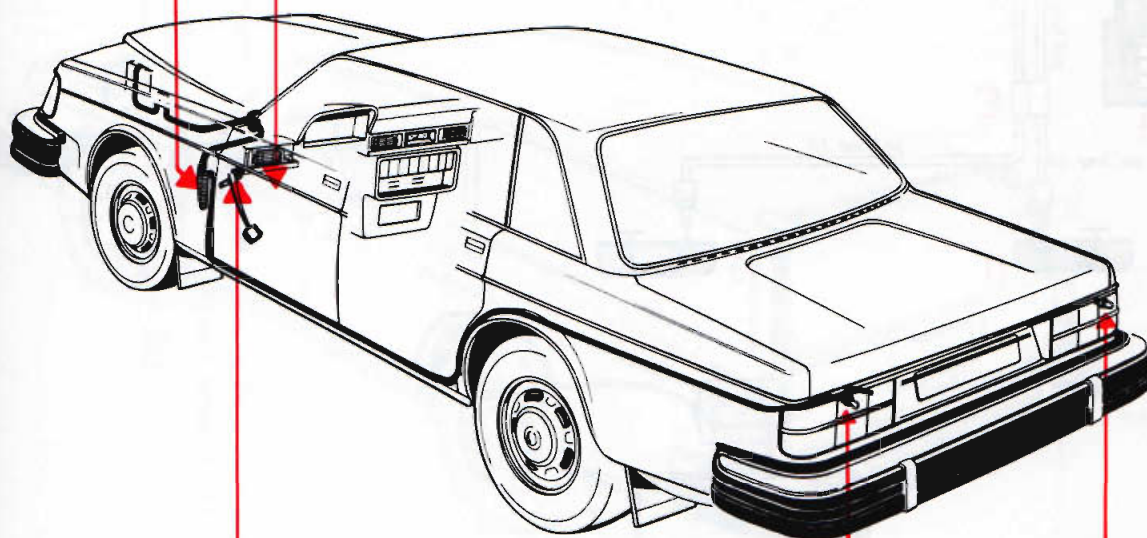
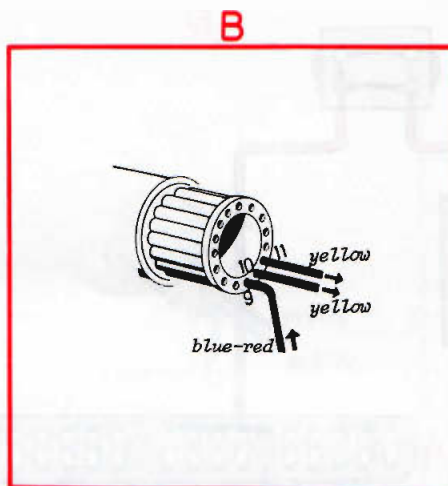
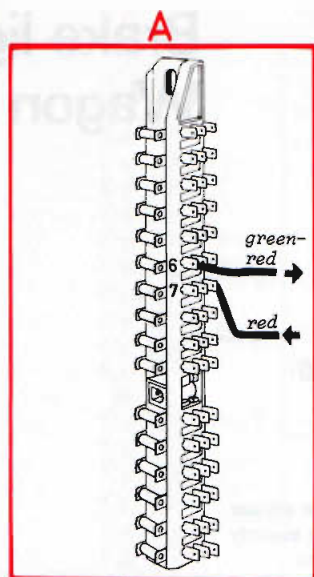
Brake lights GLE, Coupe



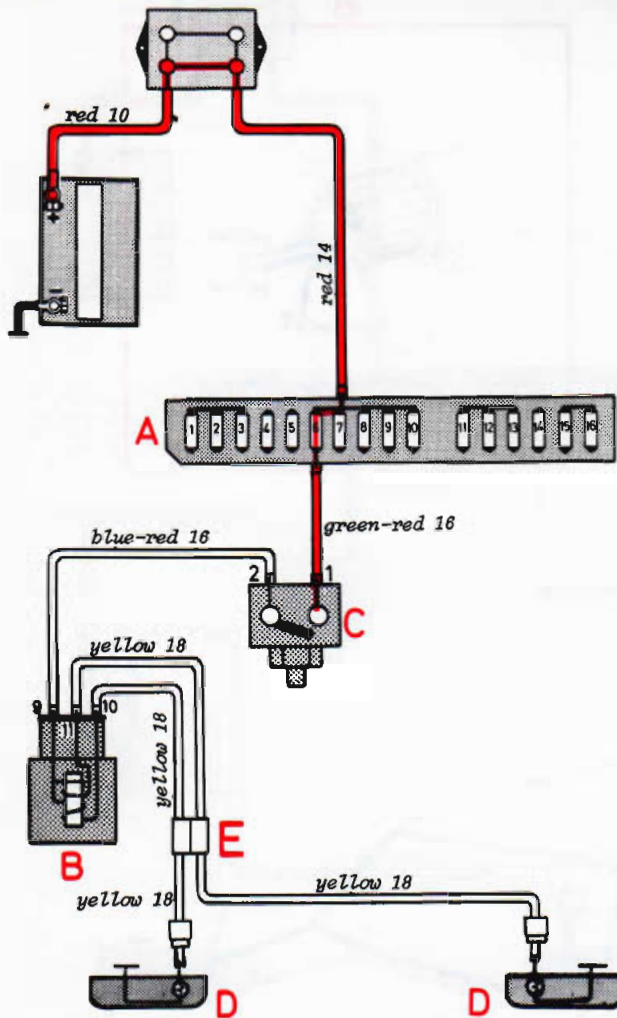
Fuse No. 6:
Brake light

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





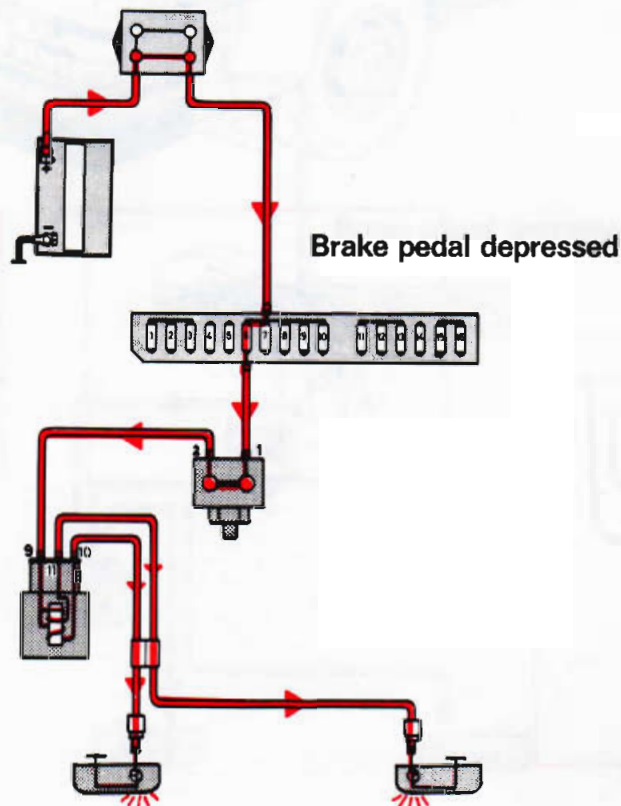
Brake lights Wagon

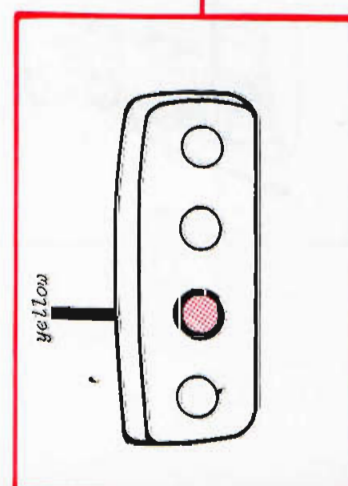
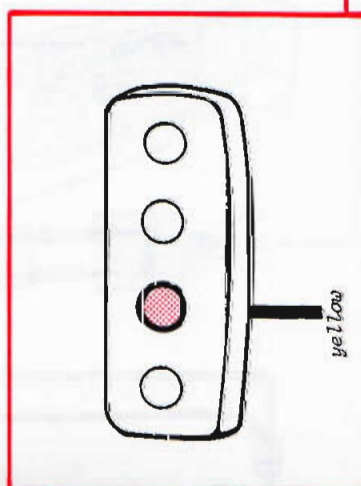
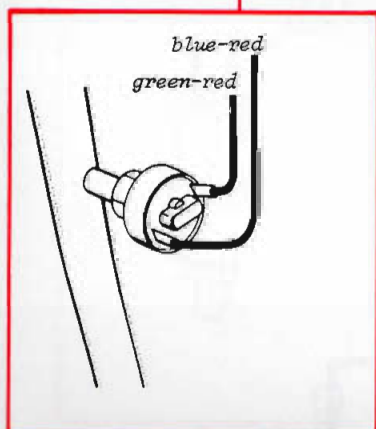
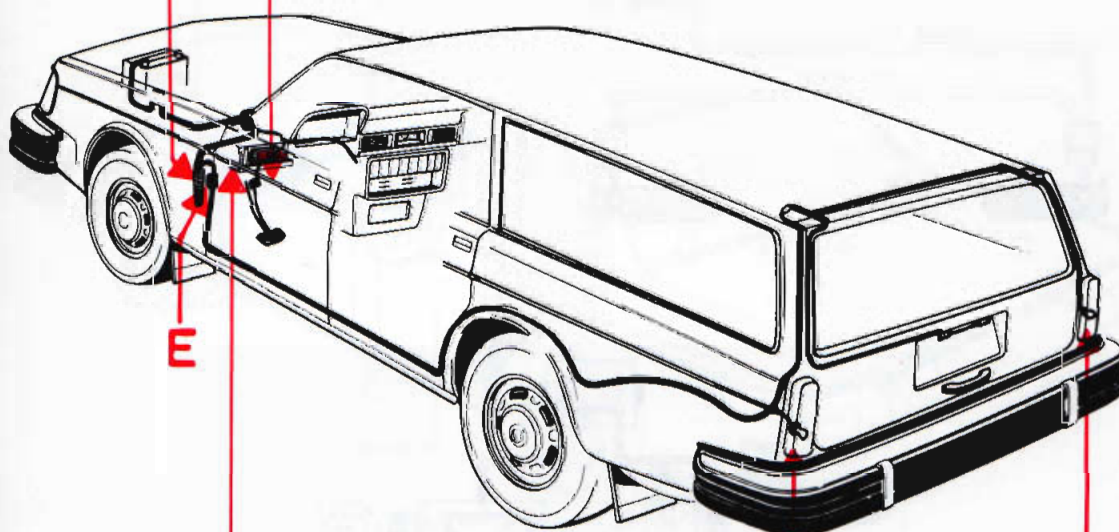
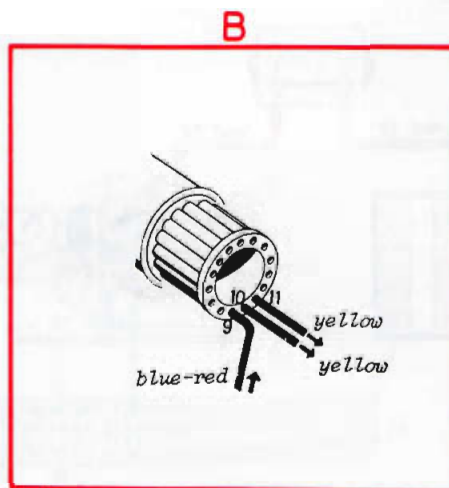
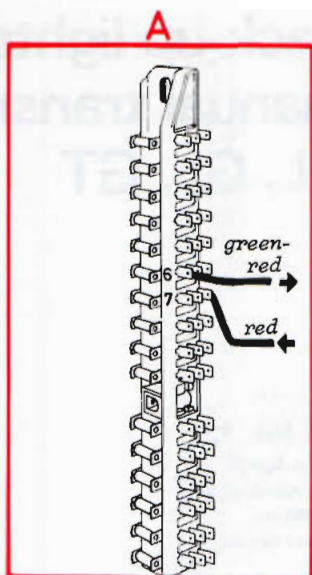


Fuse No. 6:
Brake light

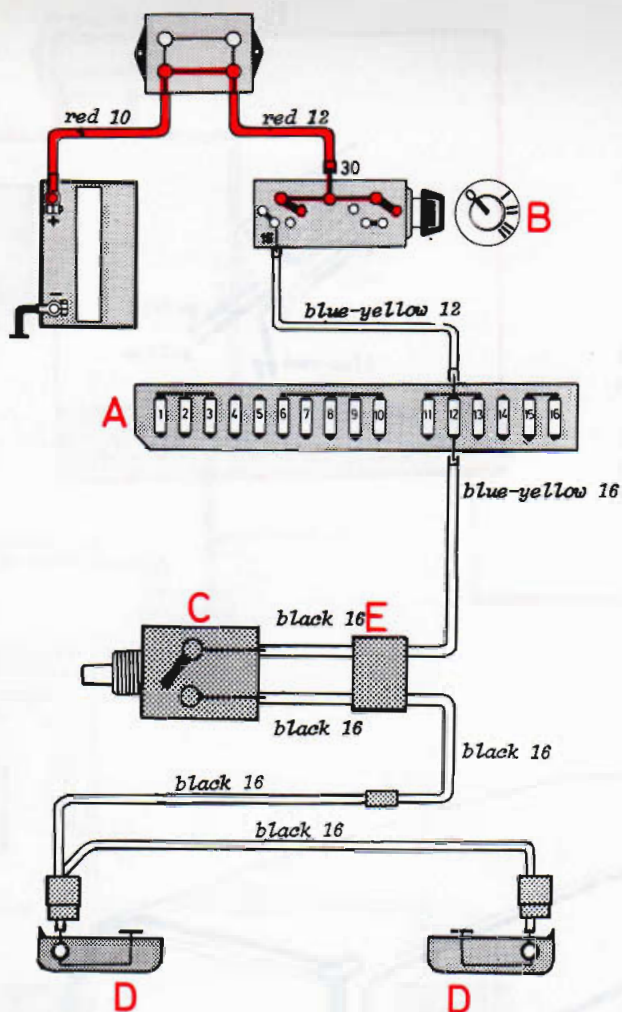
Legend:

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



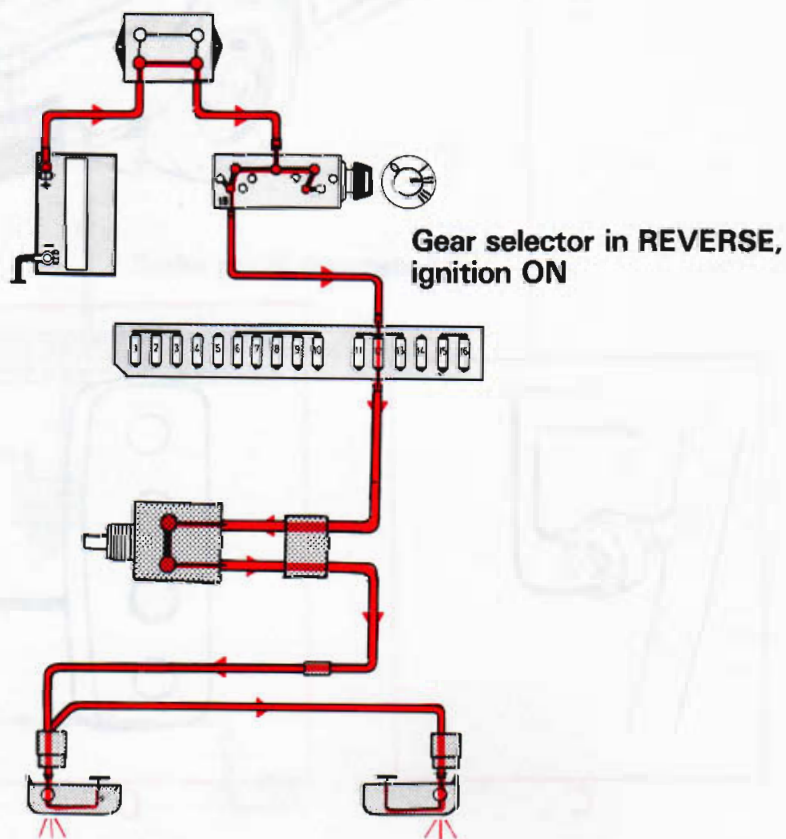


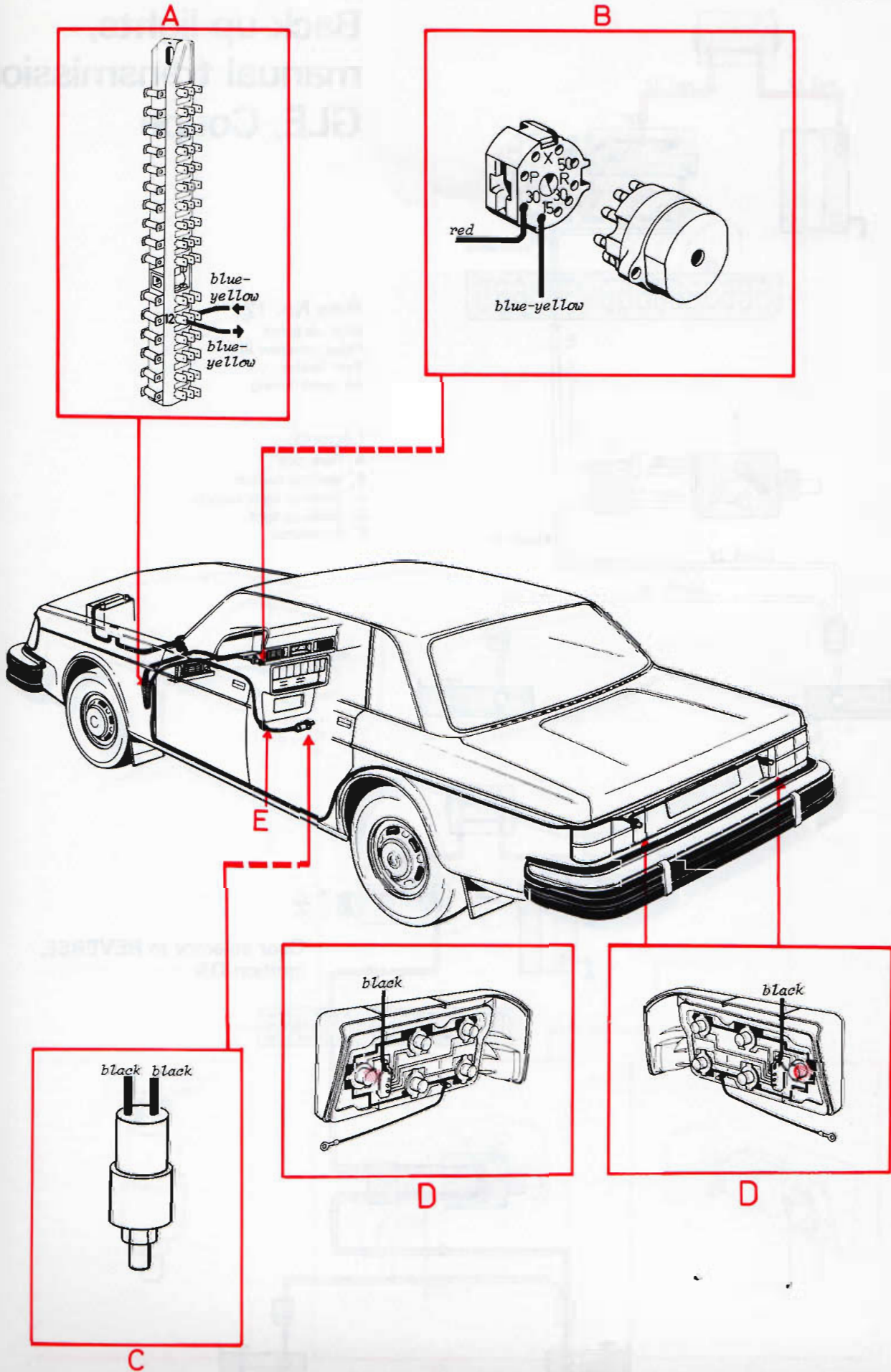
Back-up lights, manual transmission DL, GL, GT



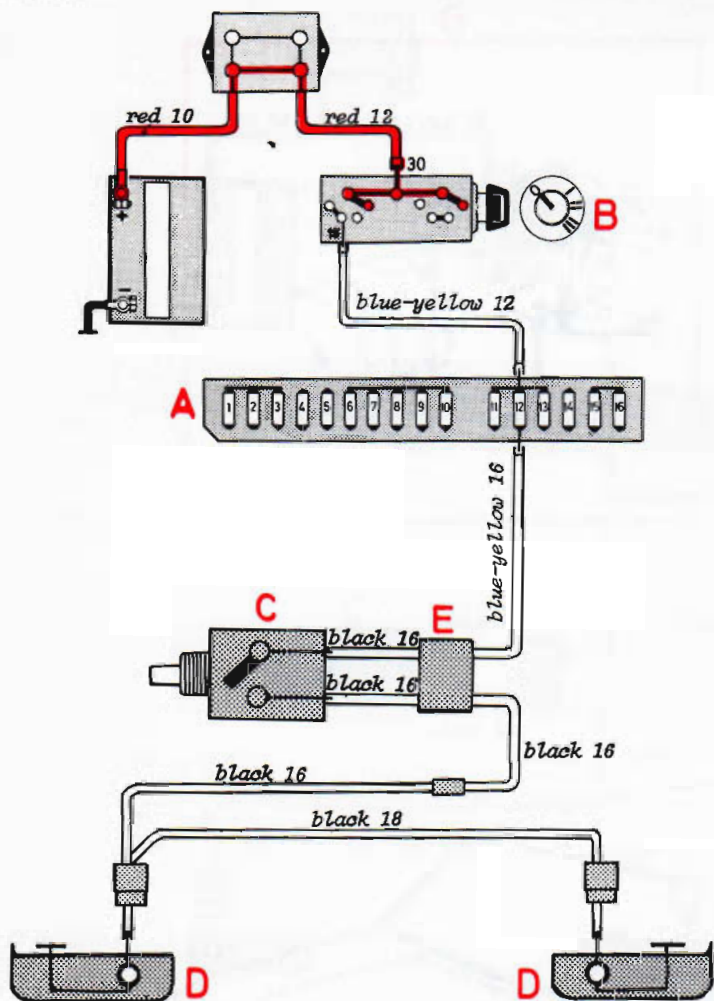
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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



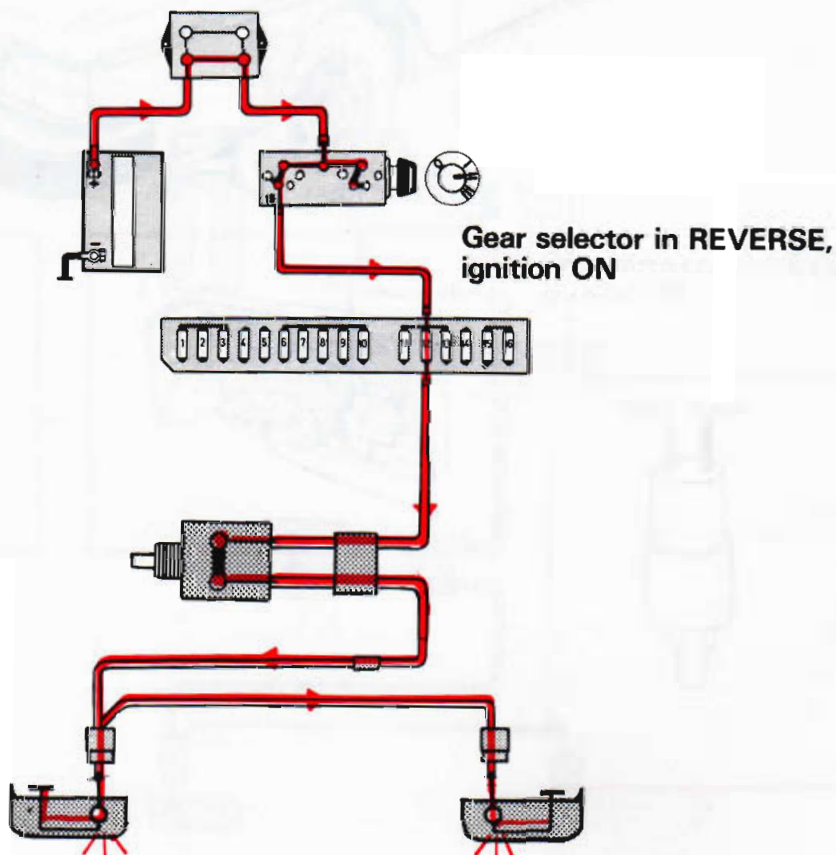


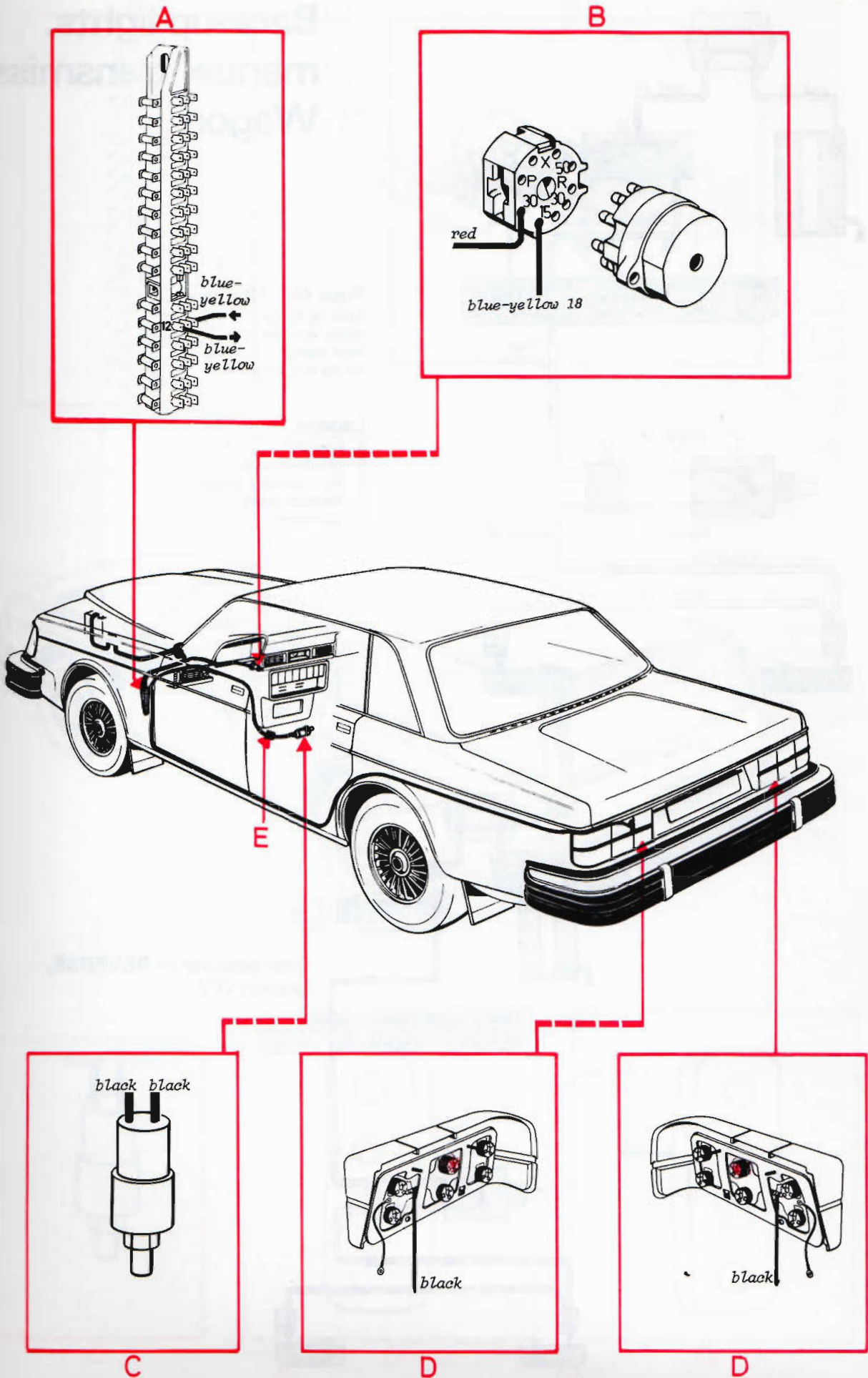
Back-up lights, manual transmission GLE, Coupe



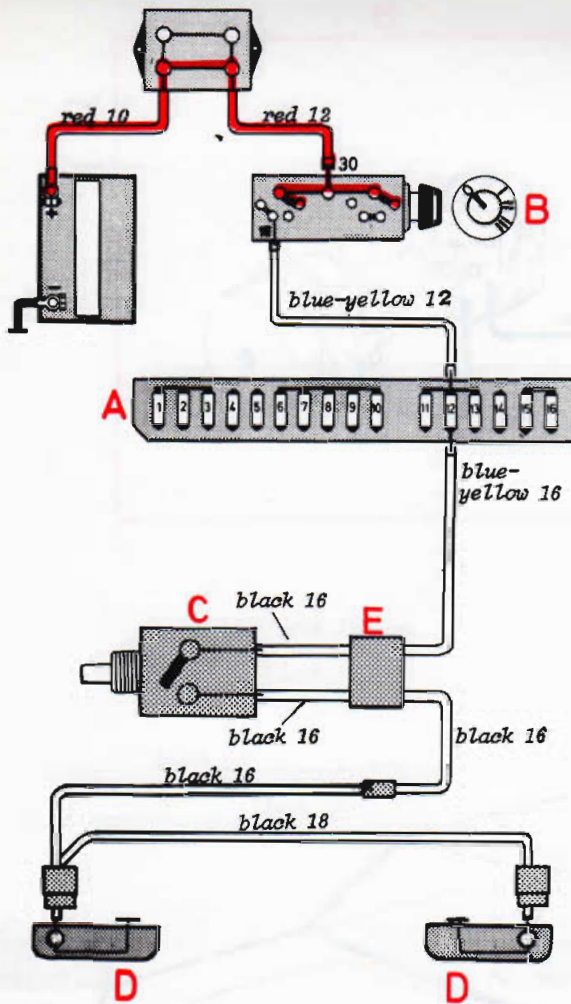
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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





Back-up lights, manual transmission Wagon

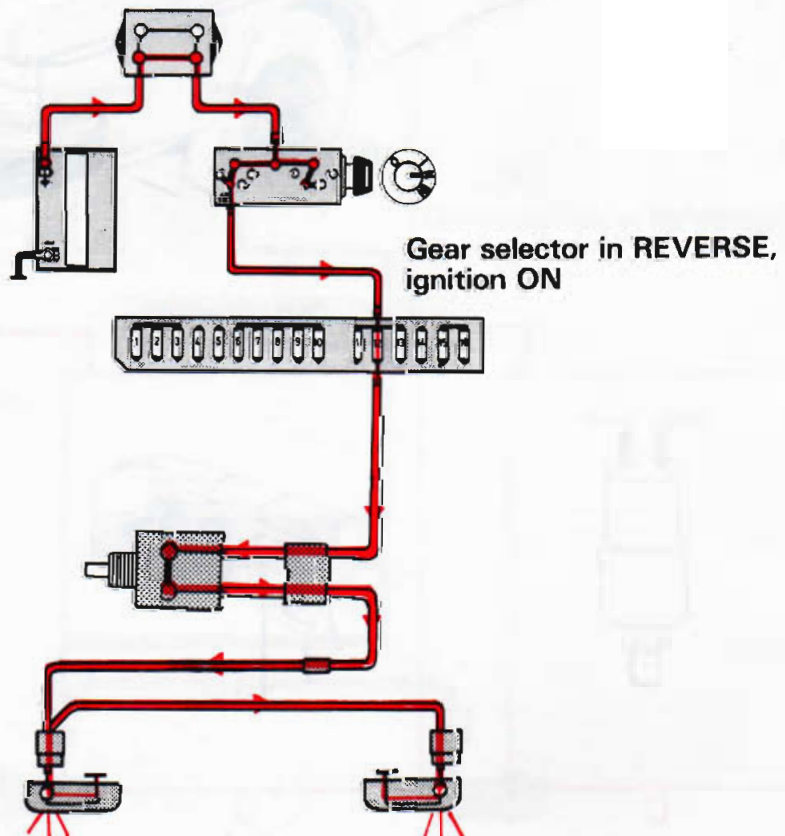


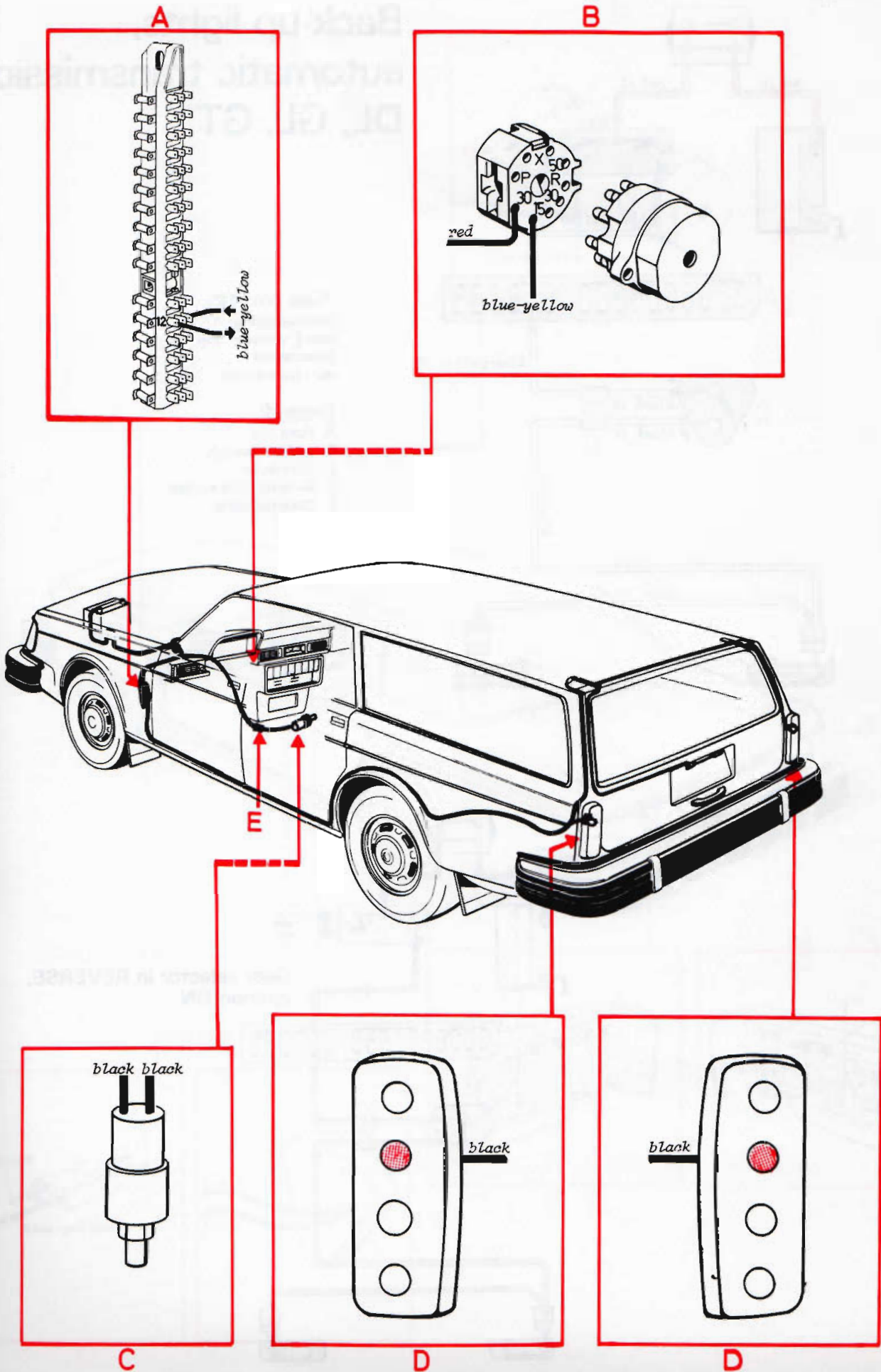
Fuse No. 12:

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

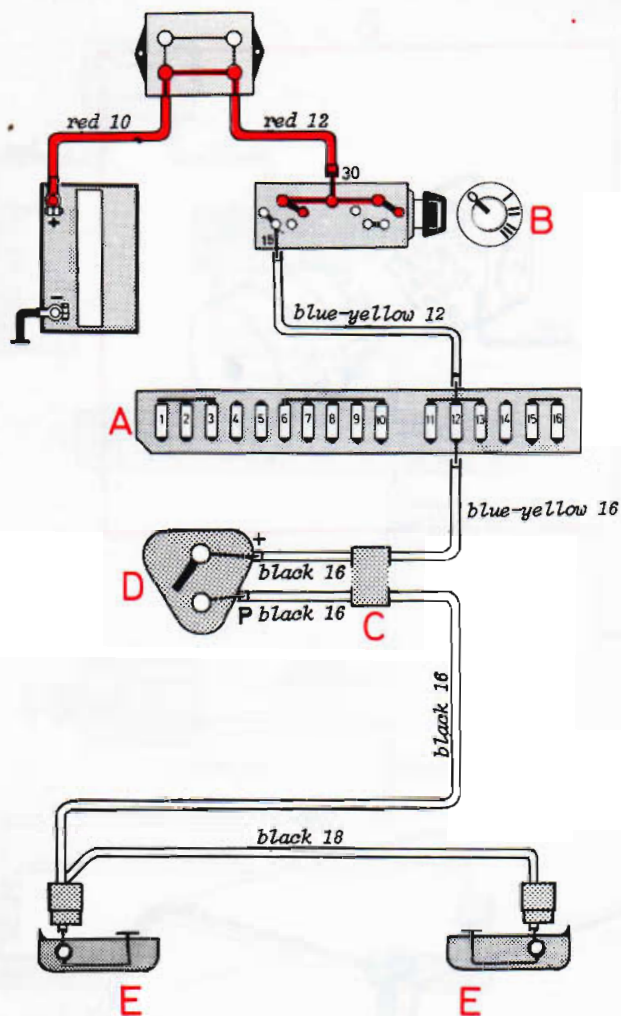
Legend:

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



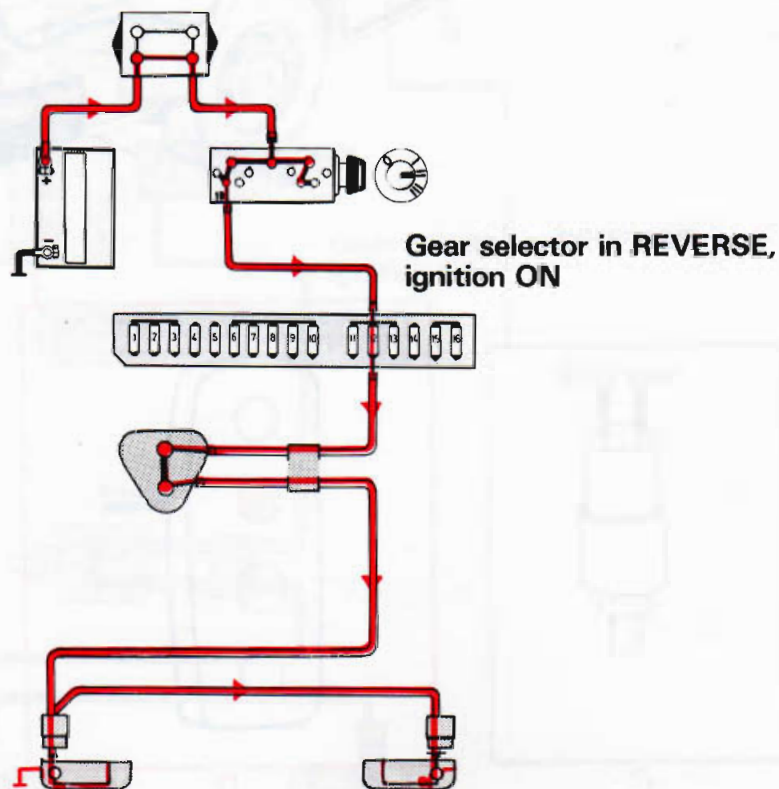


Back-up lights, automatic transmission DL, GL, GT

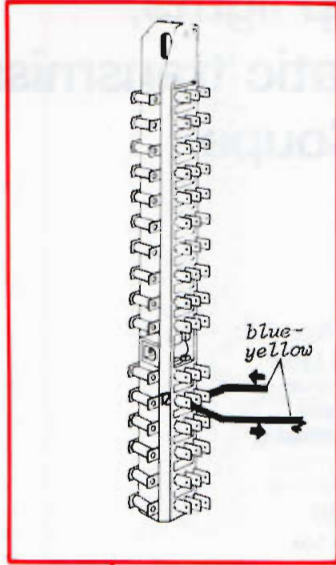


Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

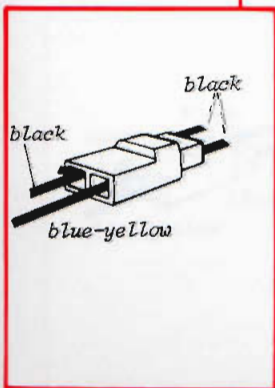
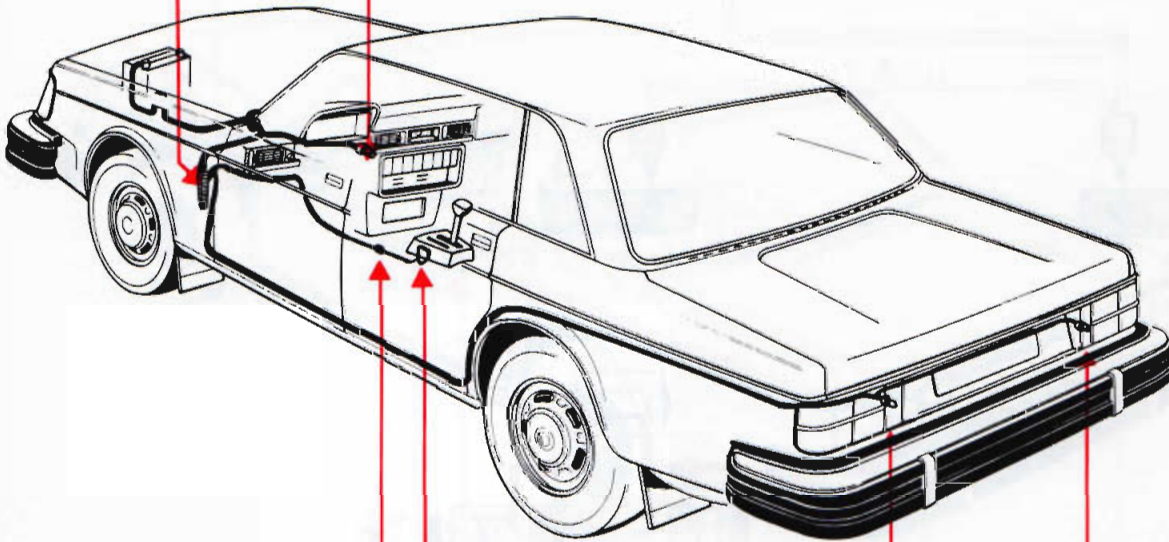
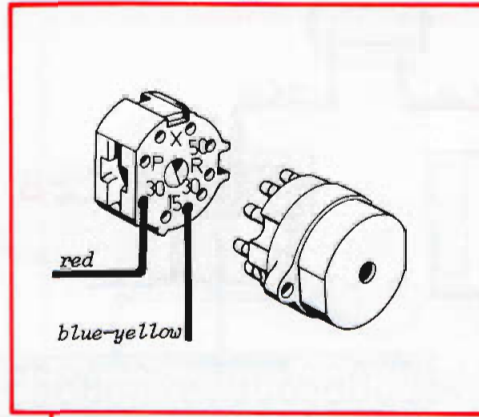
Legend:
A Fuse box
B Ignition switch
C Connector
D Back-up light switch
E Back-up lights



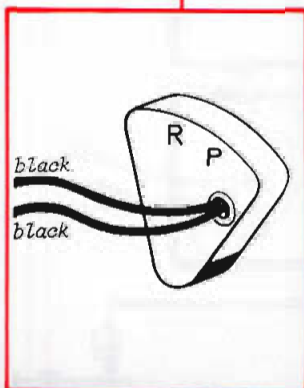
A



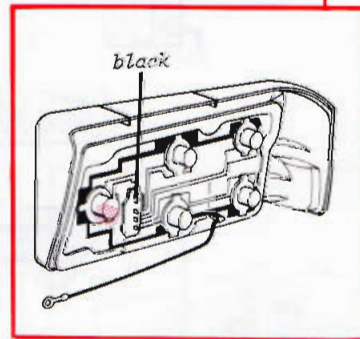
B



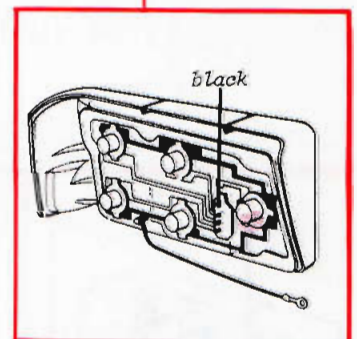
C



D

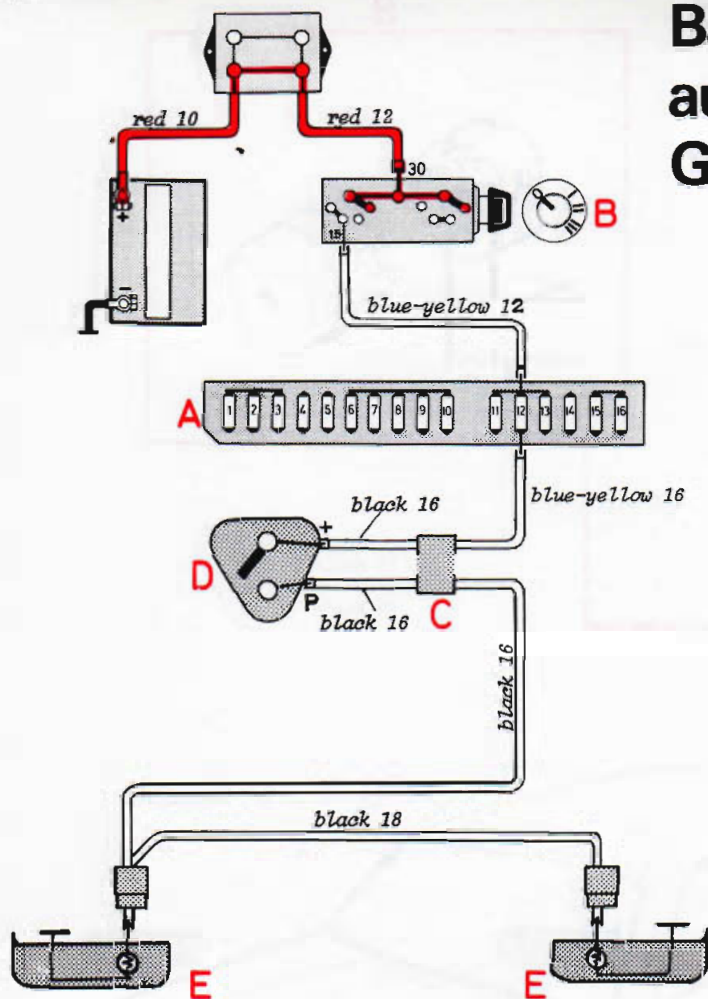


E



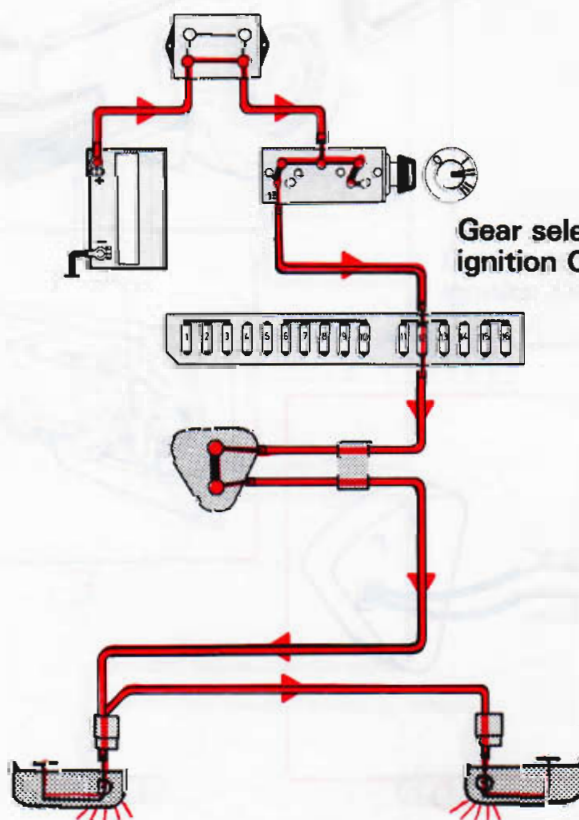
E

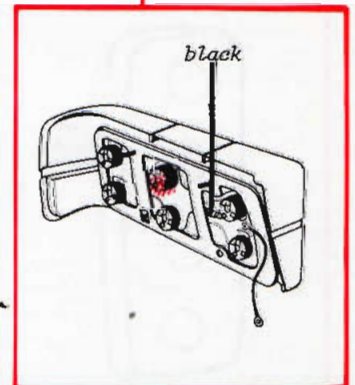
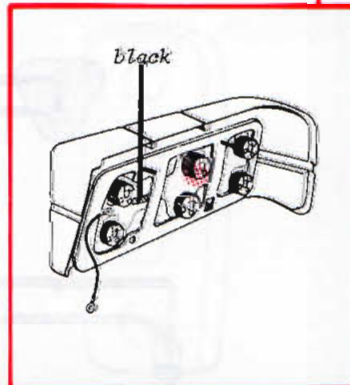
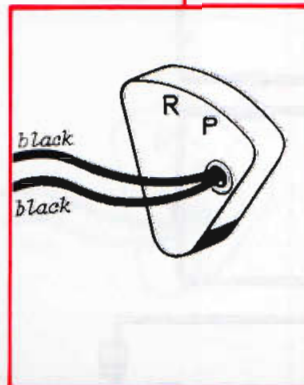
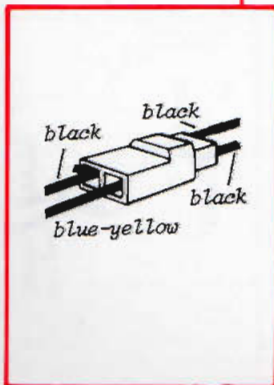
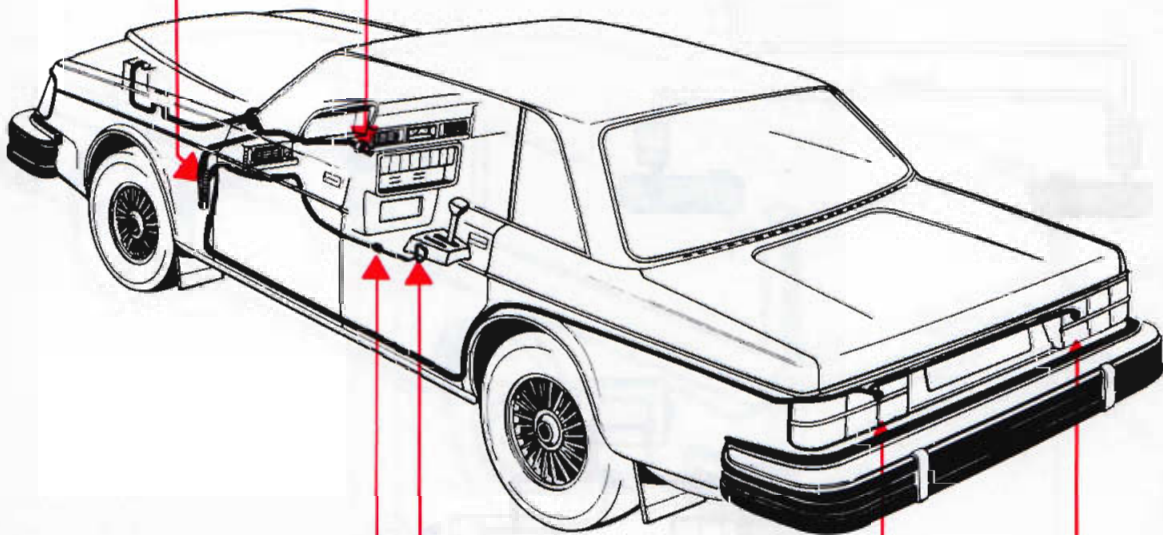
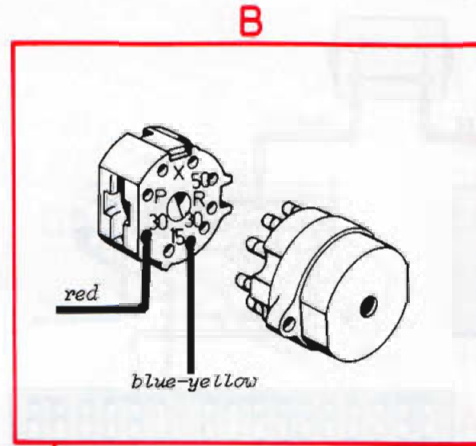
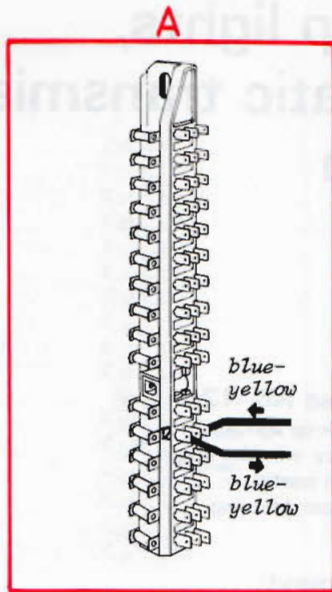
Back-up lights, automatic transmission GLE, Coupe



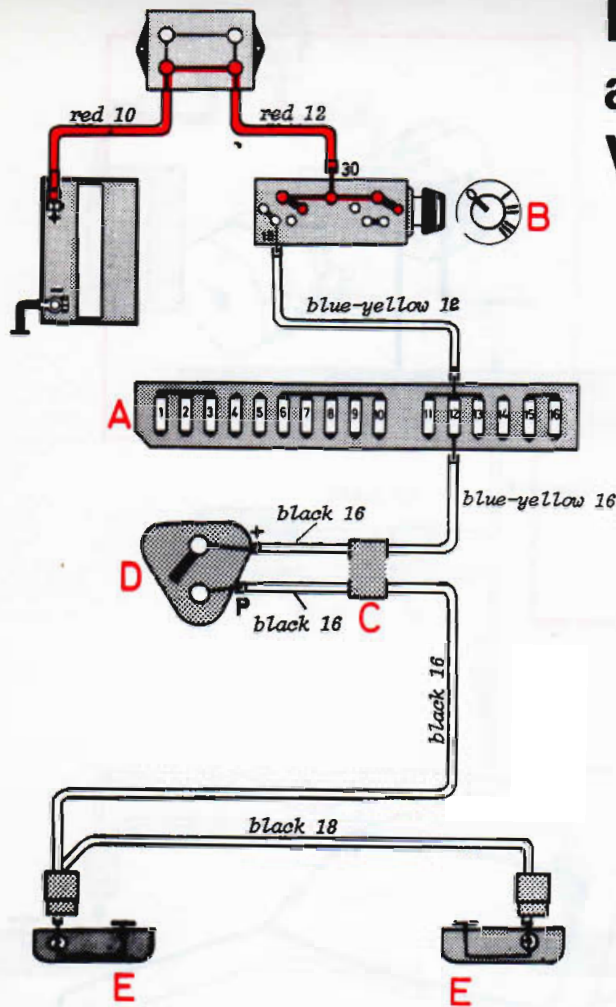
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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



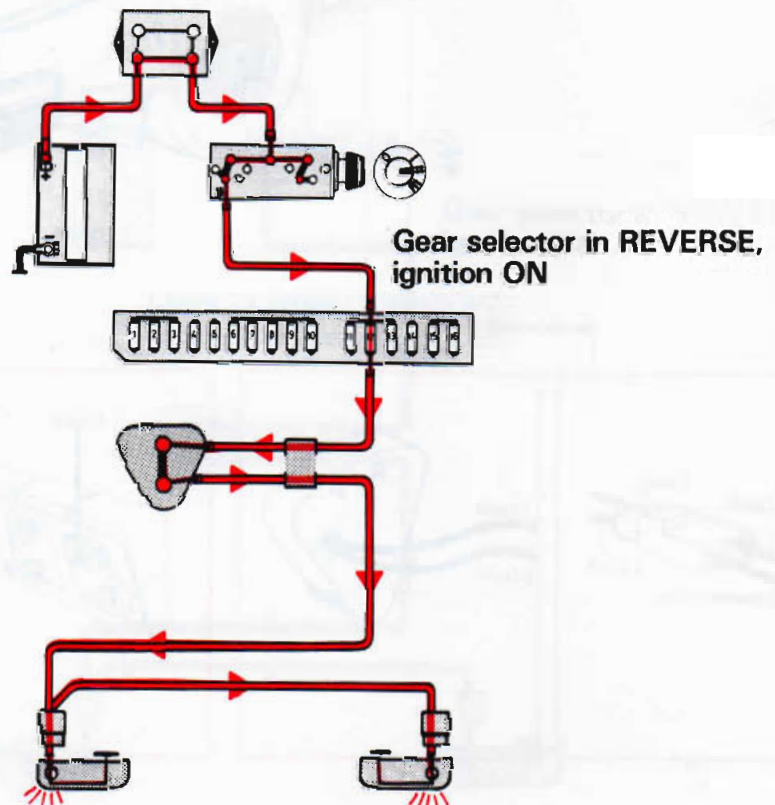


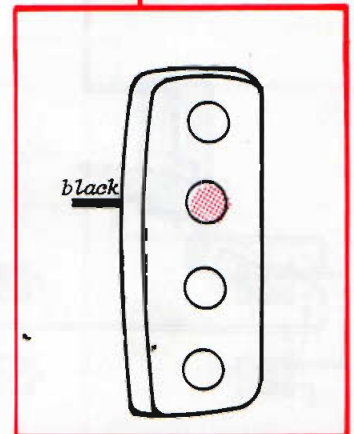
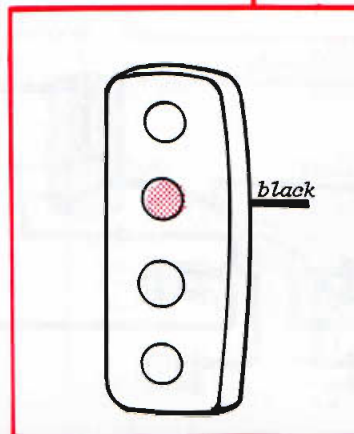
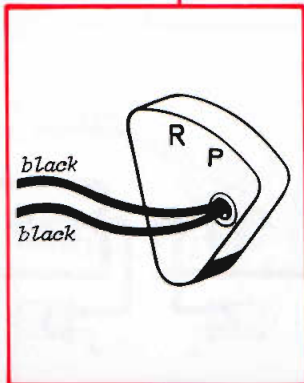
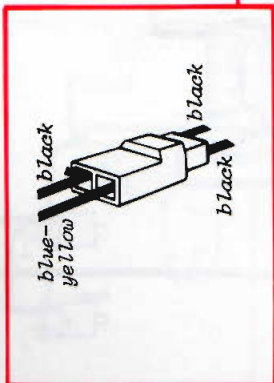
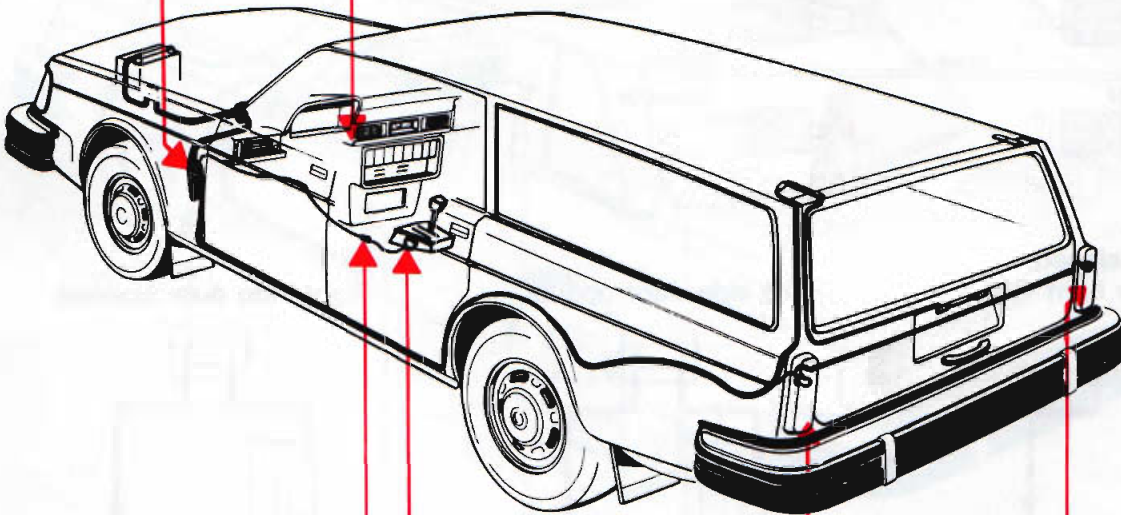
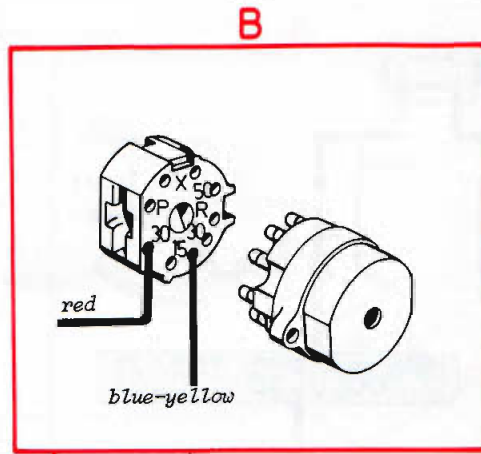
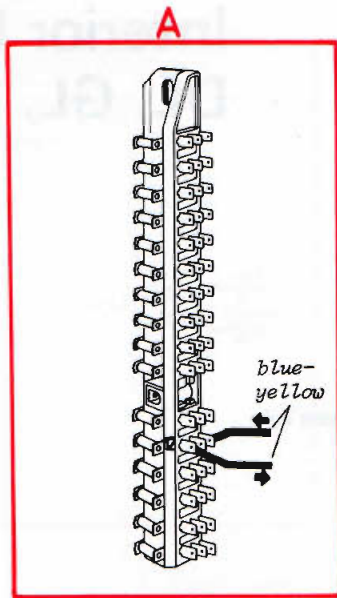
Back-up lights, automatic transmission Wagon



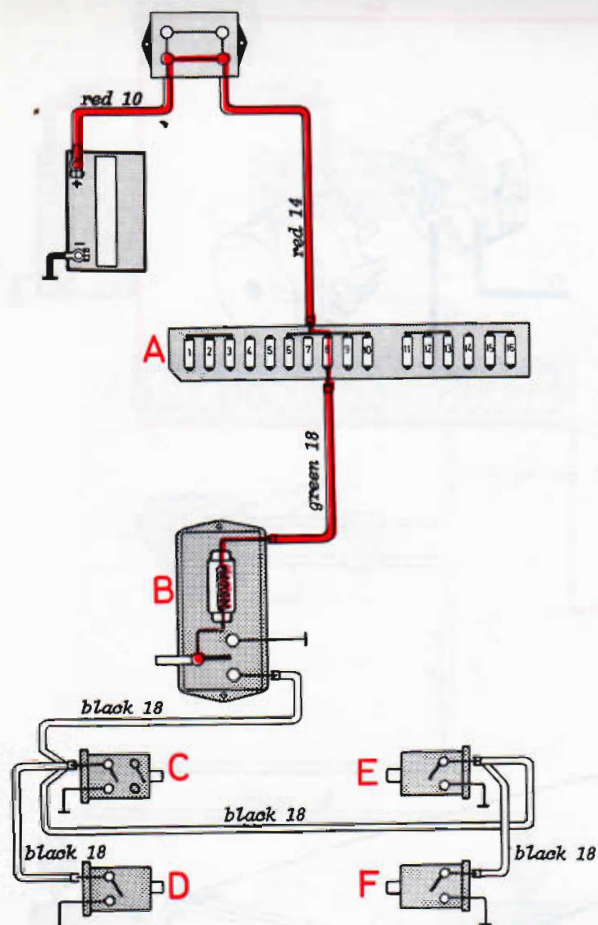
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

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





Interior light DL, GL, GT



Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

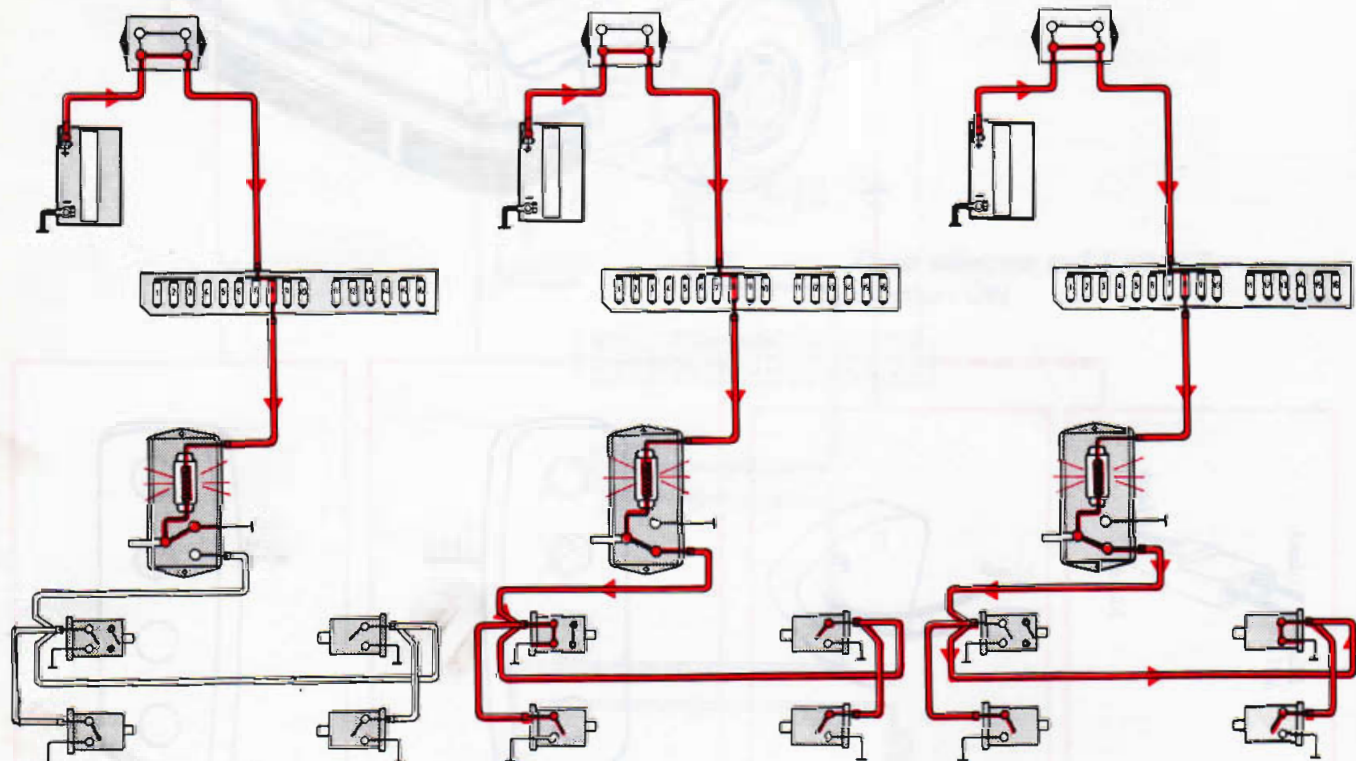
Legend:

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

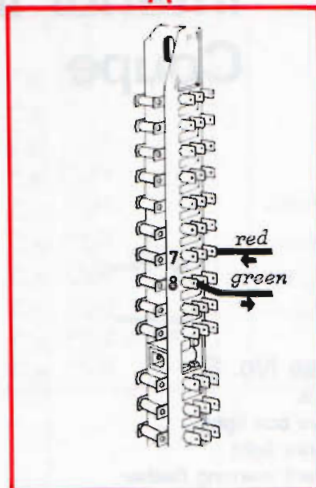
Doors closed,
interior light ON

Left side door opened

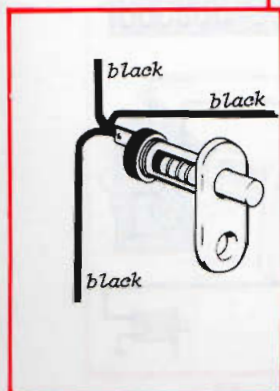
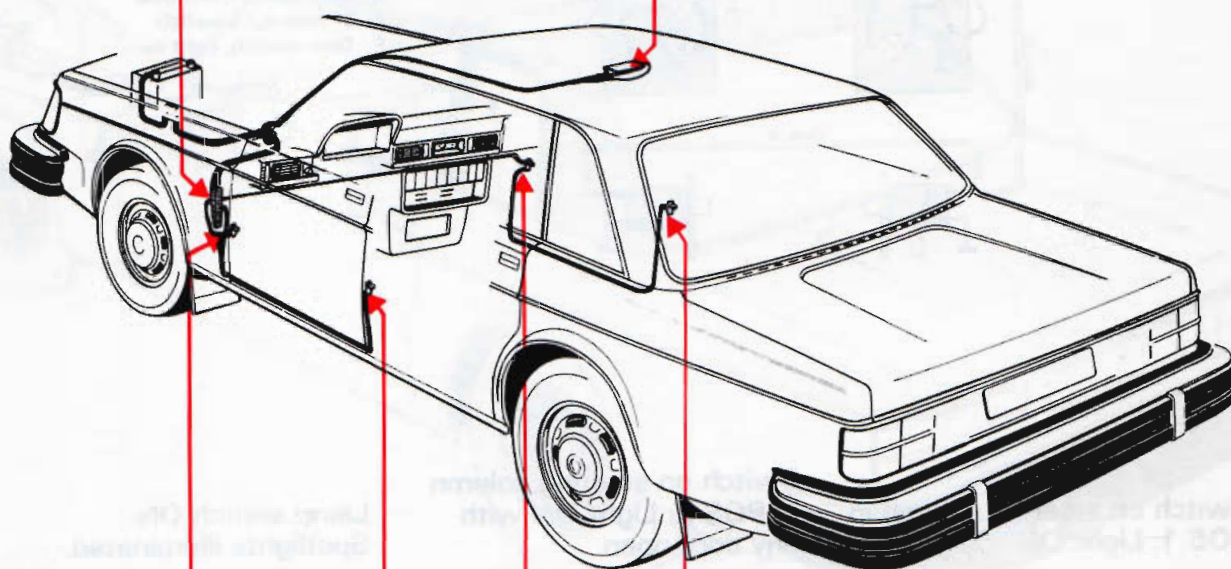
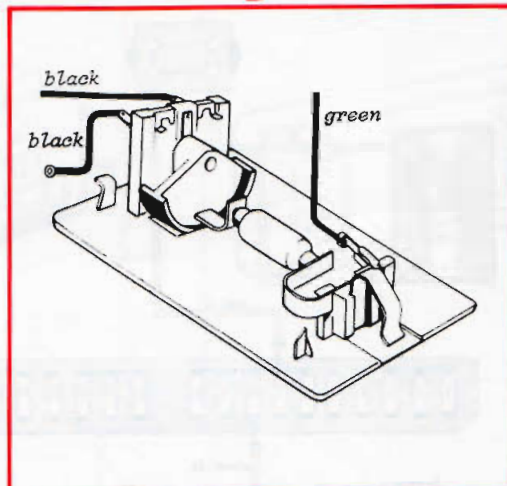
Right side door opened



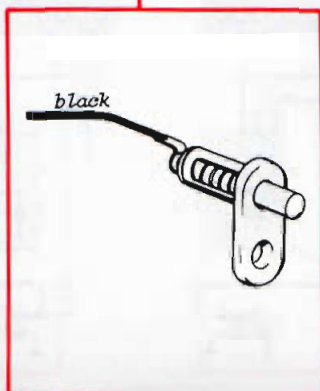
A



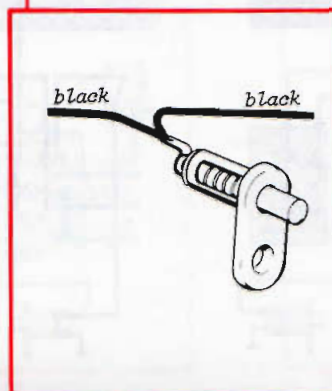
B



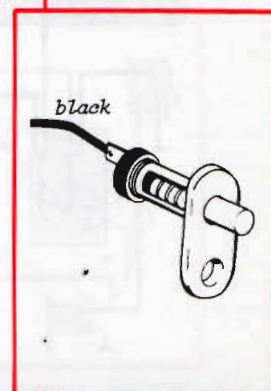
C



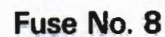
D



E



F



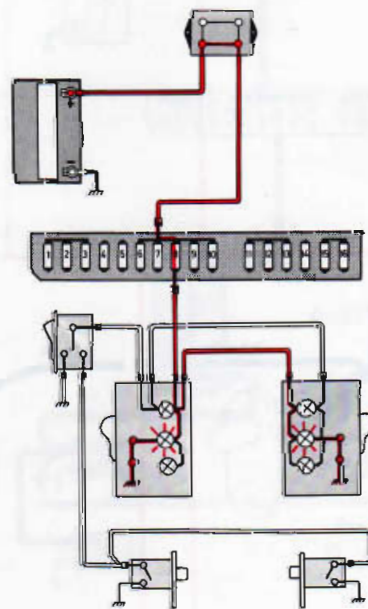
Clock
Glove box light
Interior light
Hazard warning flasher

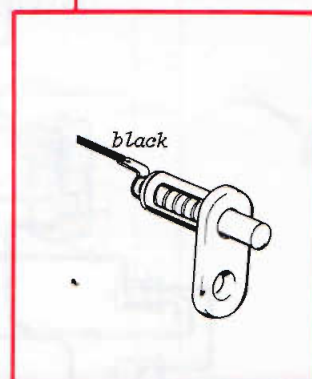
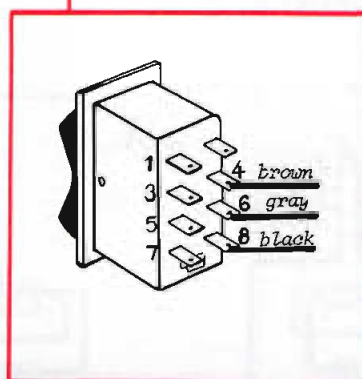
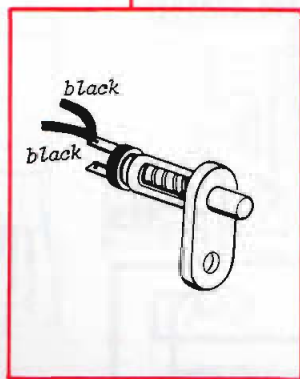
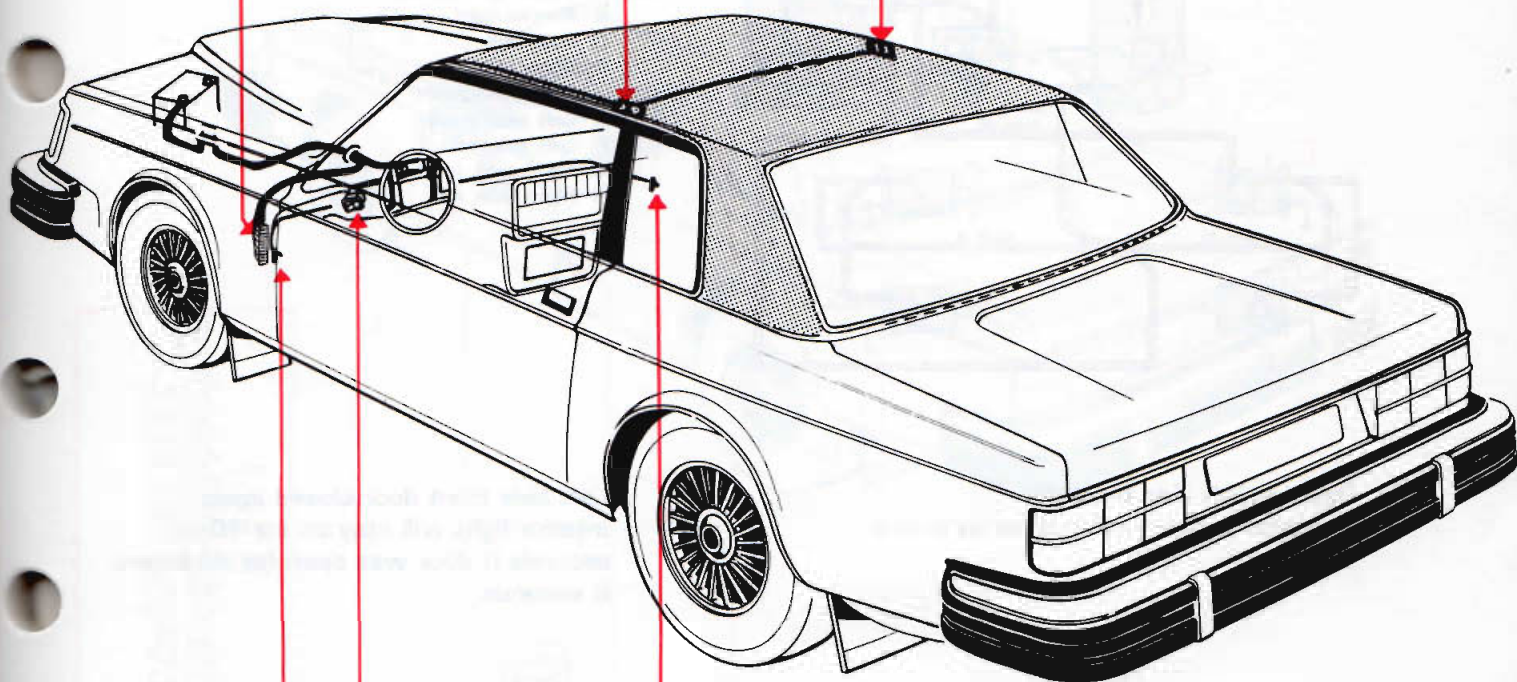
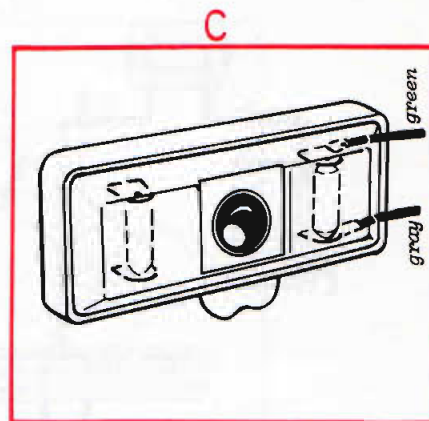
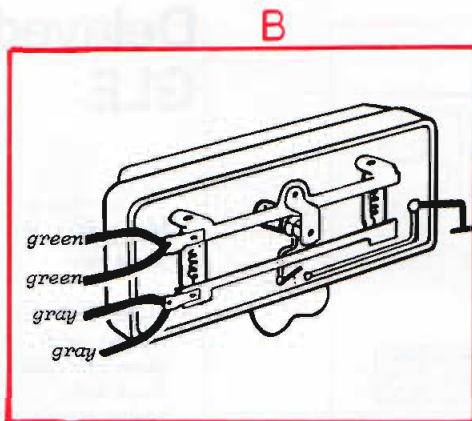
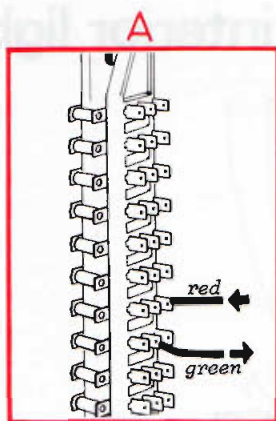
Legend:

- 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 2. Light ON with any door open.

**Lamp switch ON.
Spotlights illuminated.**





Delayed interior light GLE

Brake light

Interior light

Trunk light

Clock

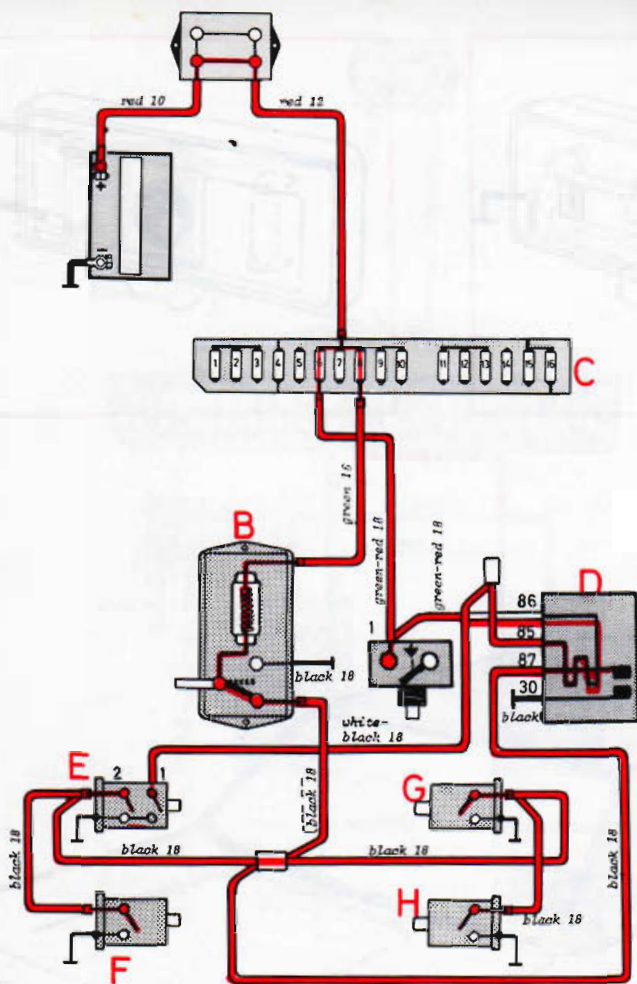
Legend:

B Interior light

D Delay rela

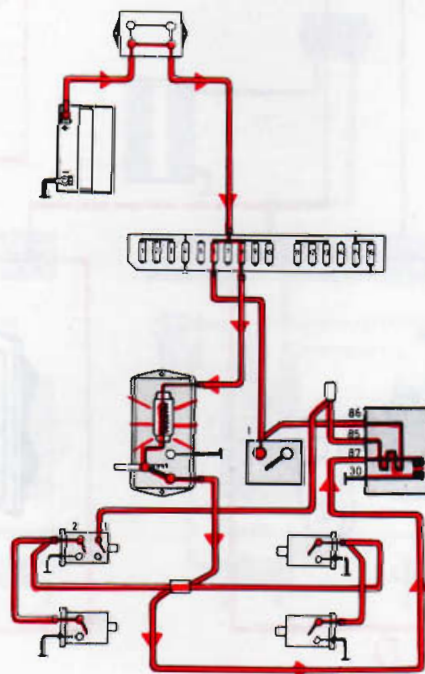
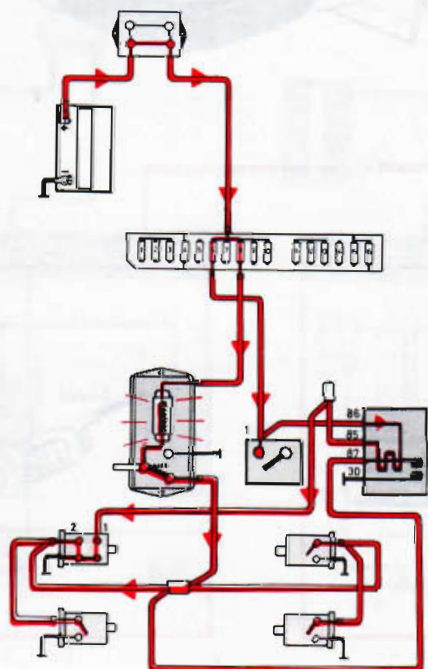
E Left side, fr

G Right side, from

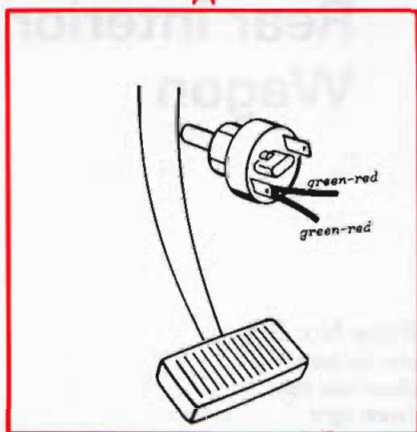


**Opening left side front door.
Contacts in delay relay close by bi-metal action.**

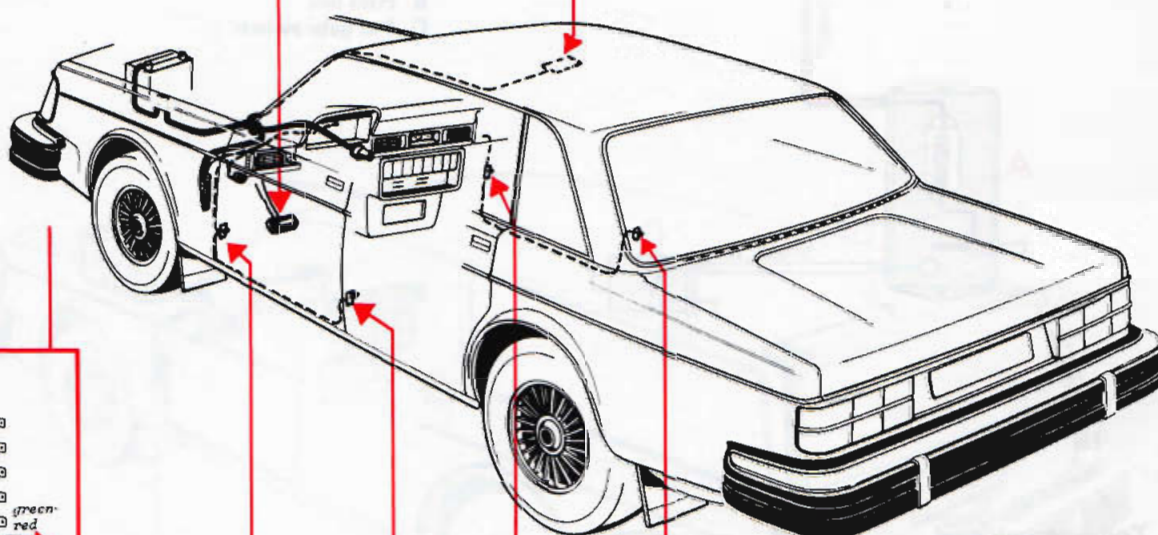
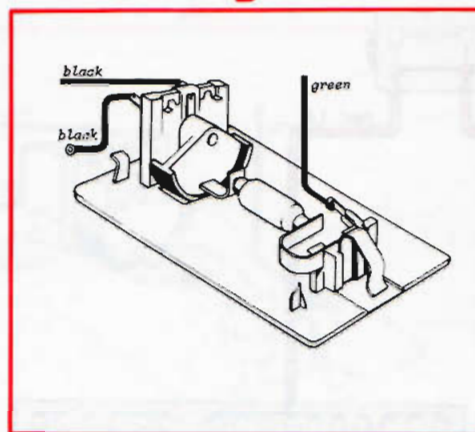
**Left side front door closed again.
Interior light will stay on for 10-17
seconds if door was open for minimum
6 seconds.**



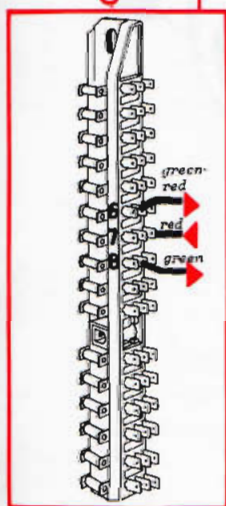
A



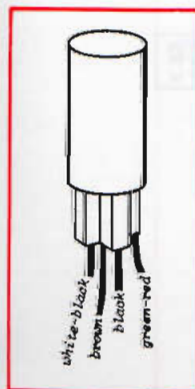
B



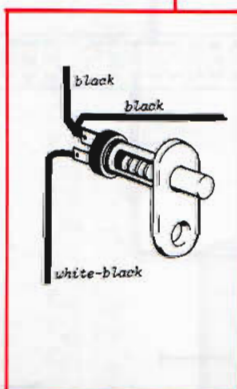
C



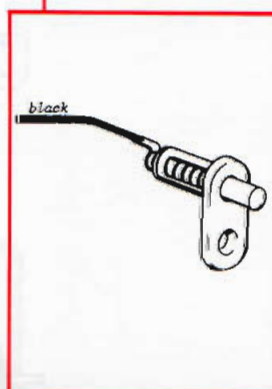
D



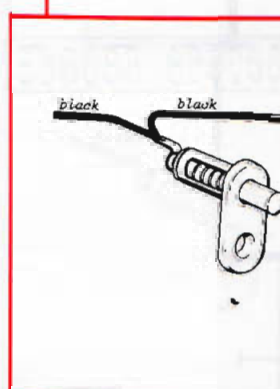
E



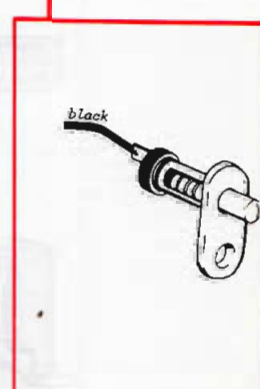
F



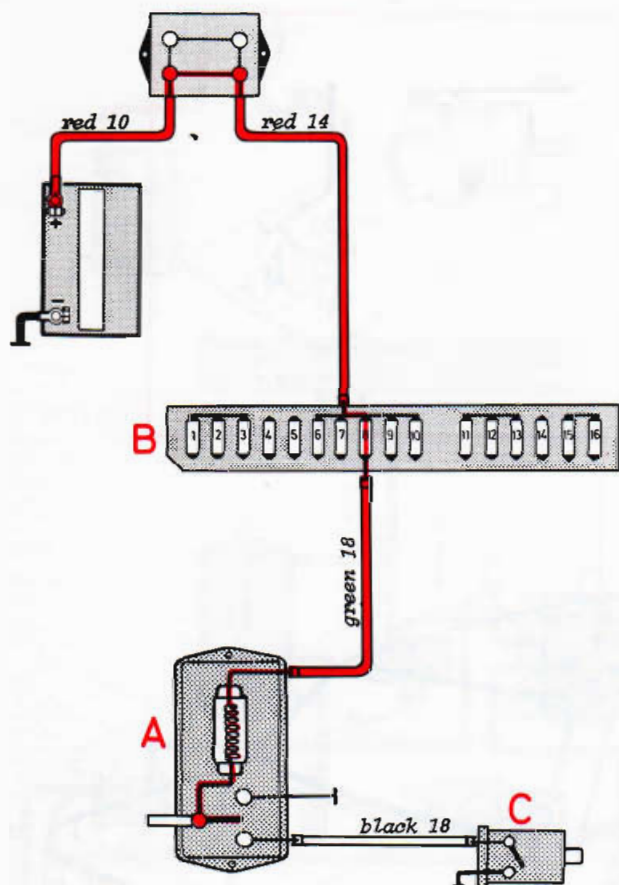
G



H



Rear interior light Wagon



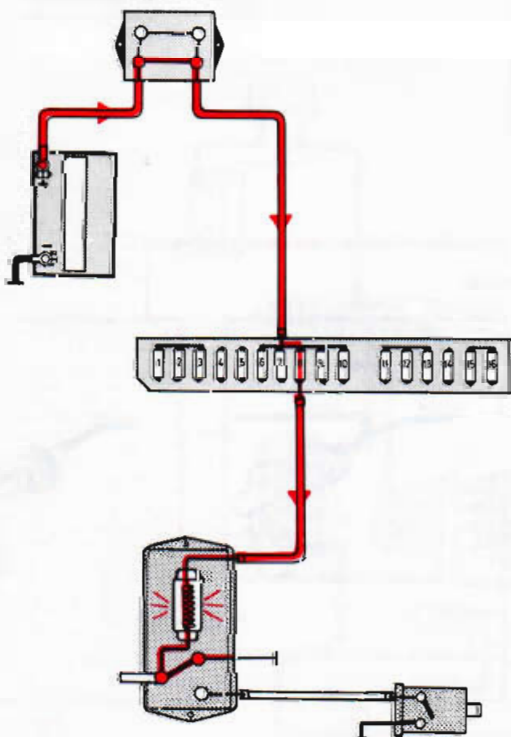
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

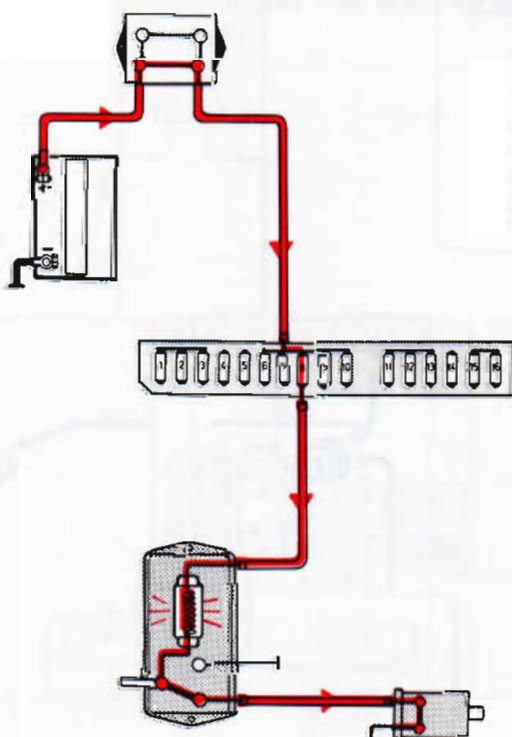
Legend:

A Rear interior light
B Fuse box
C Tail gate switch

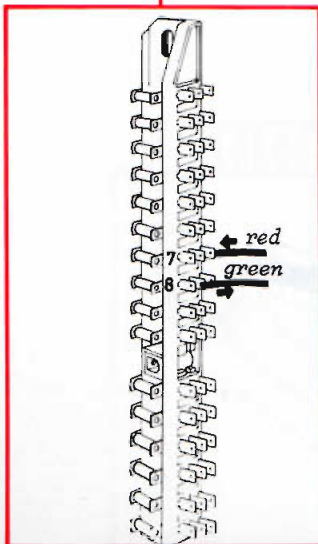
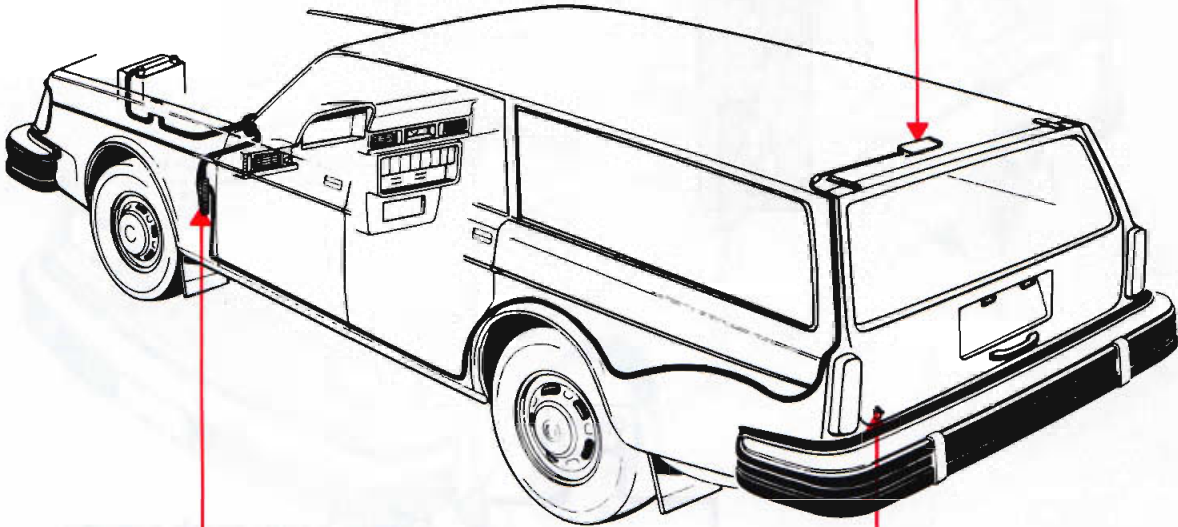
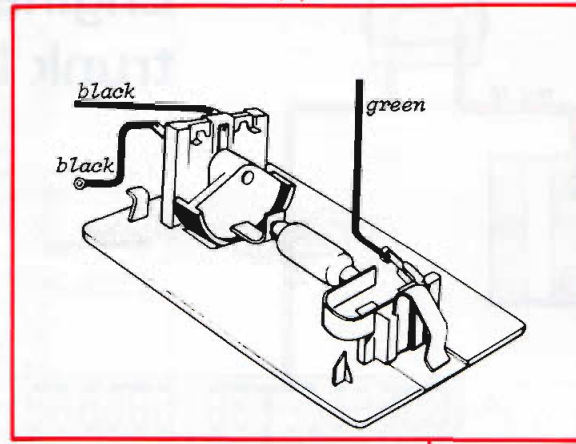
Tail gate closed,
rear interior light ON



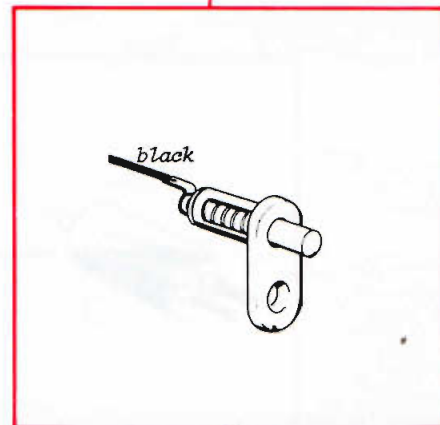
Tail gate opened



A

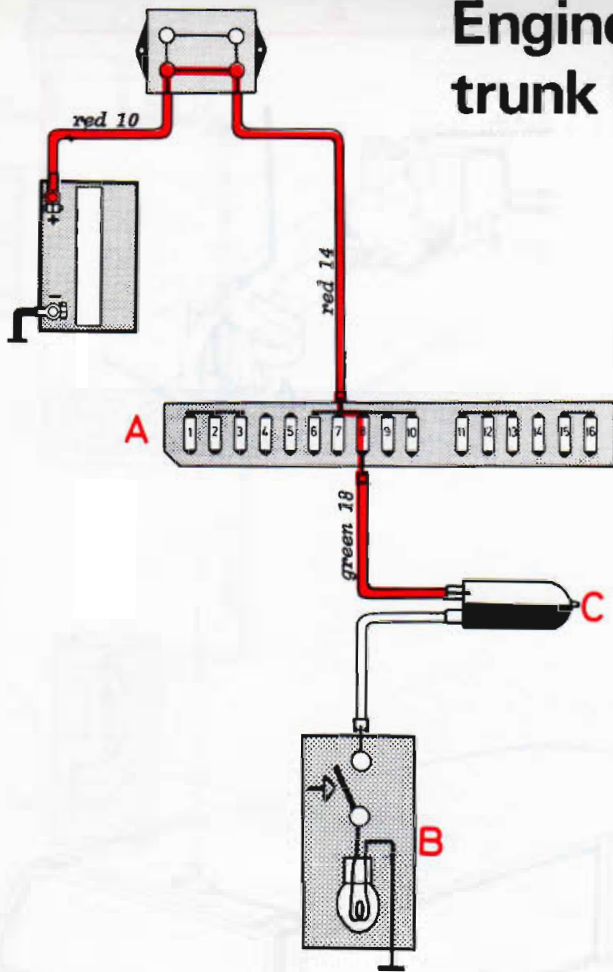


B



C

Engine compartment light, trunk light

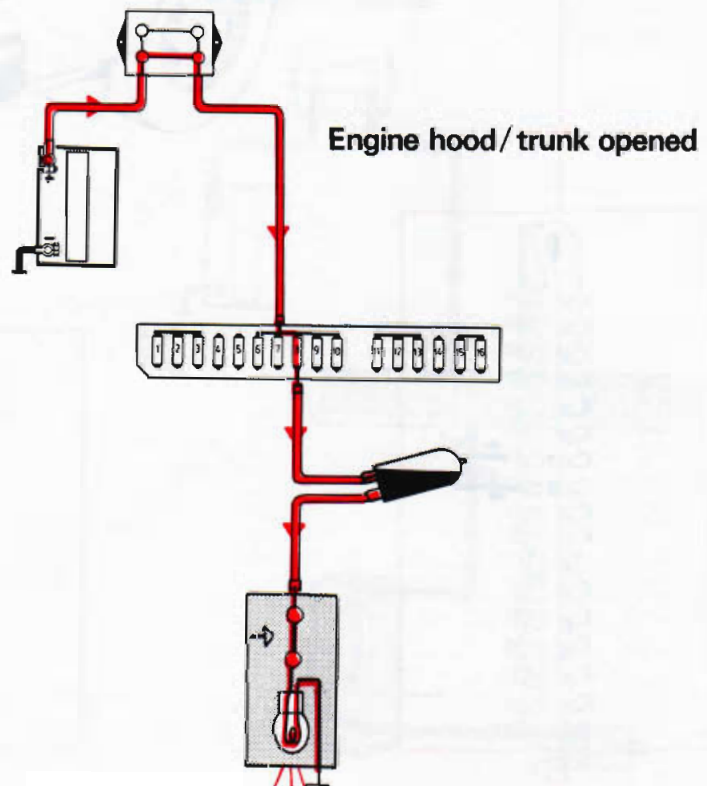


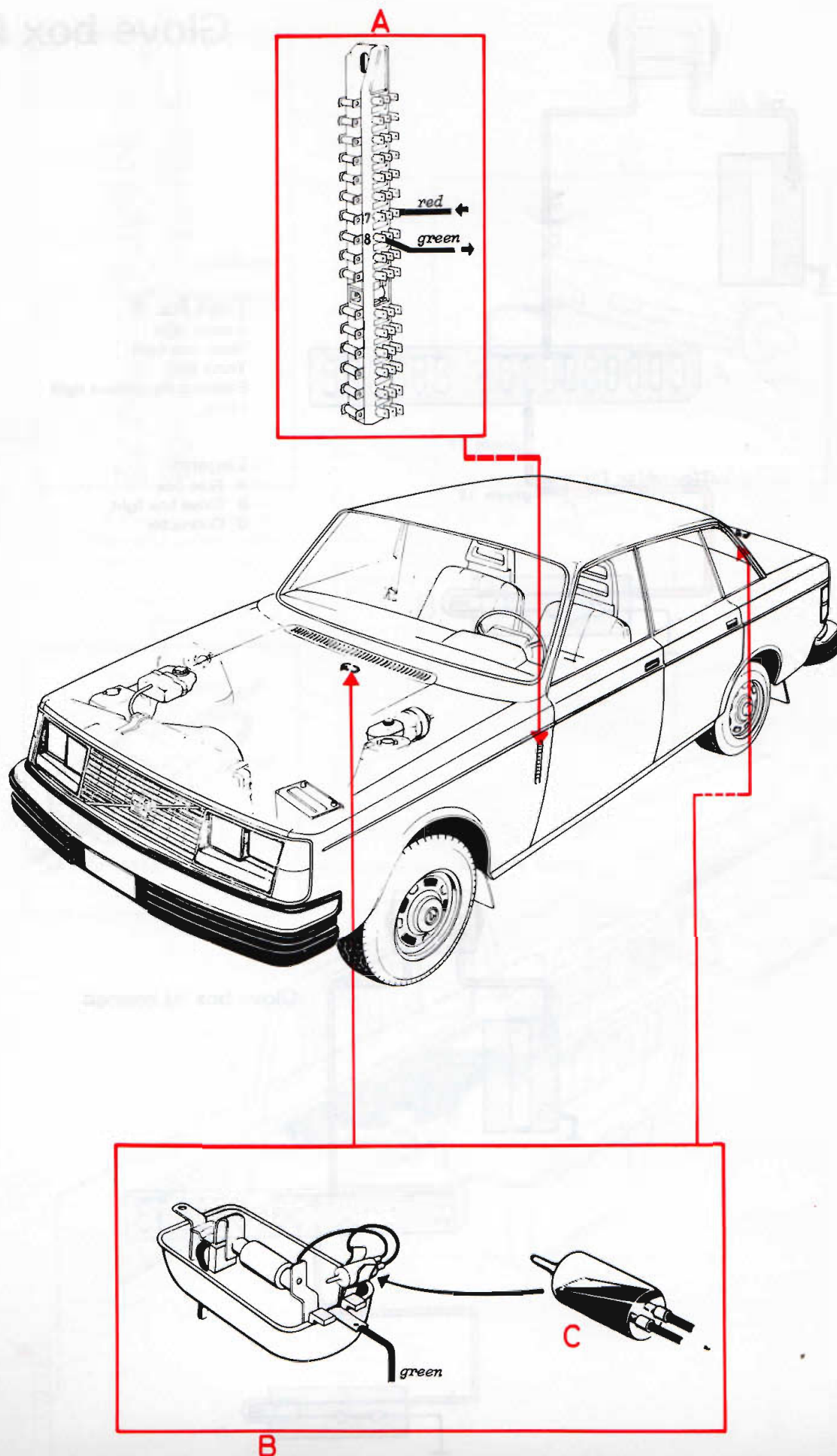
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

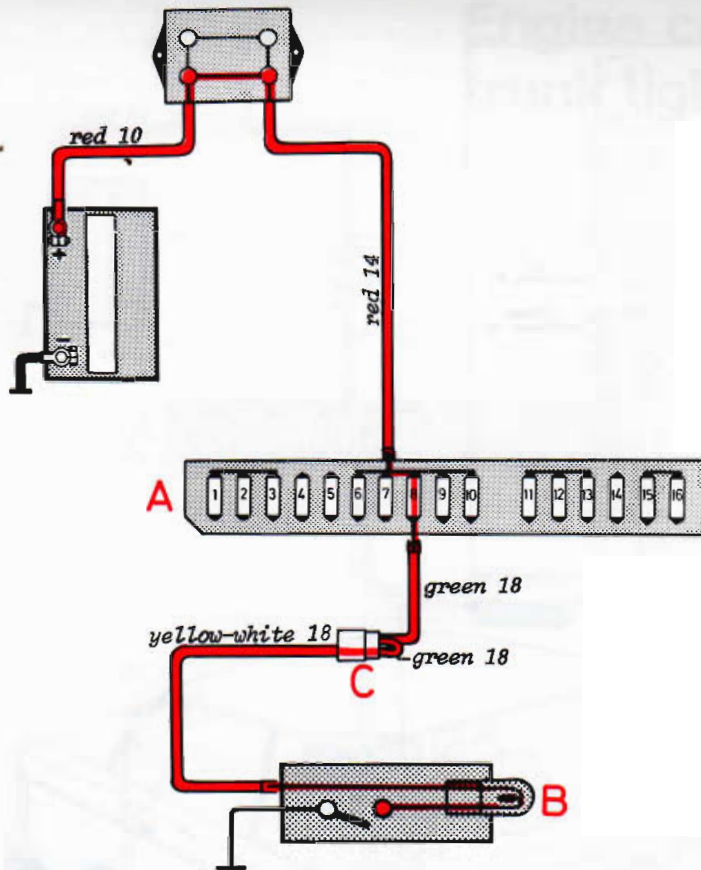
Legend:

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





Glove box light

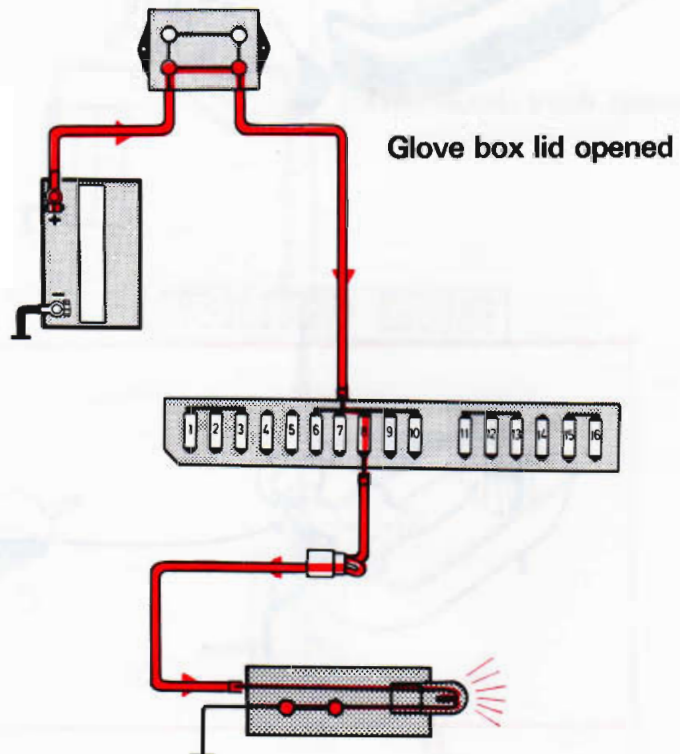


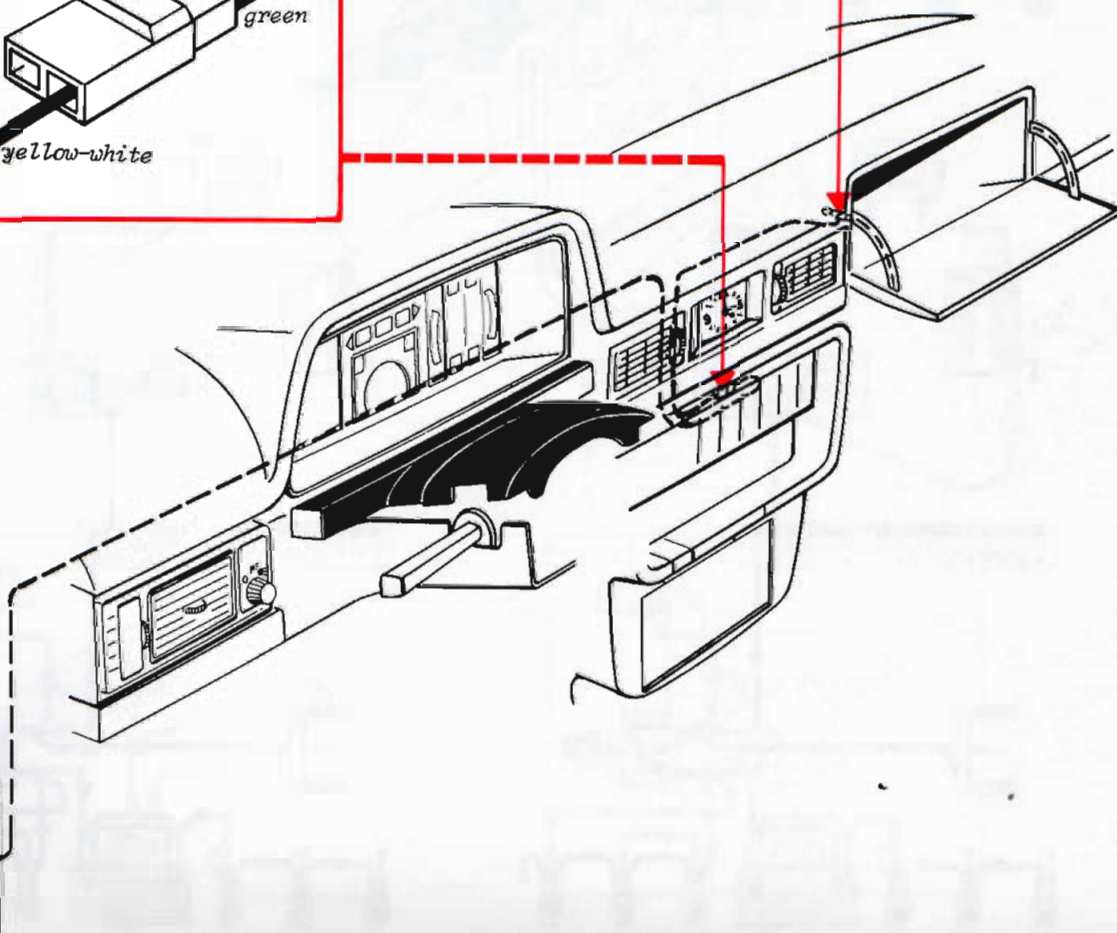
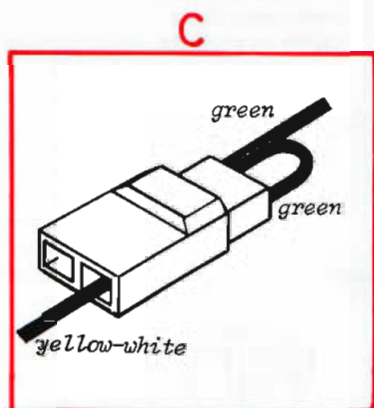
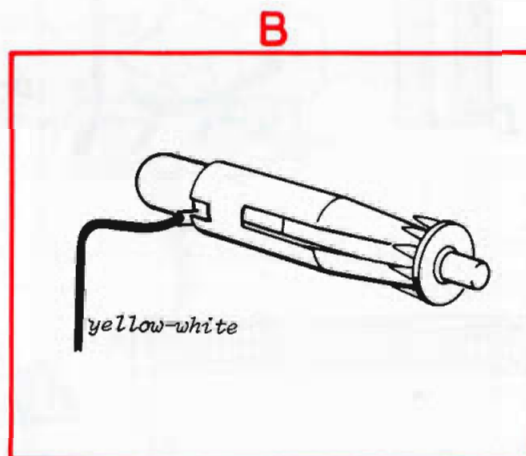
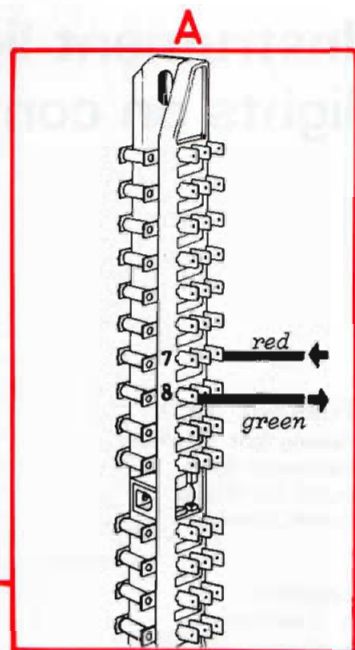
Fuse No. 8:

Interior light
Glove box light
Trunk light
Engine compartment light
Clock

Legend:

A Fuse box
B Glove box light
C Connector



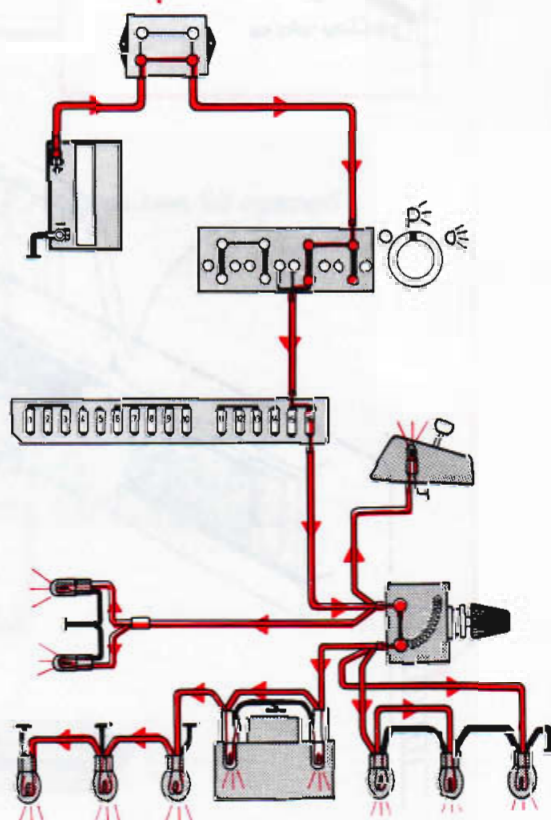


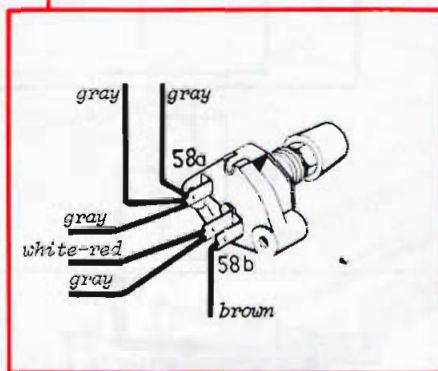
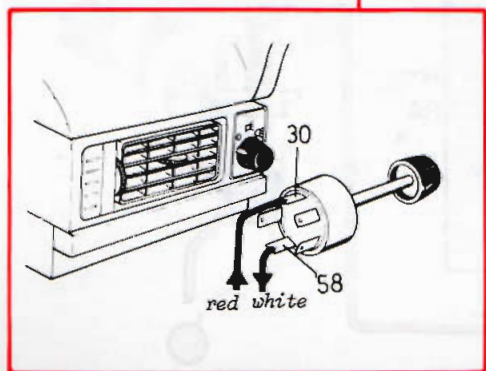
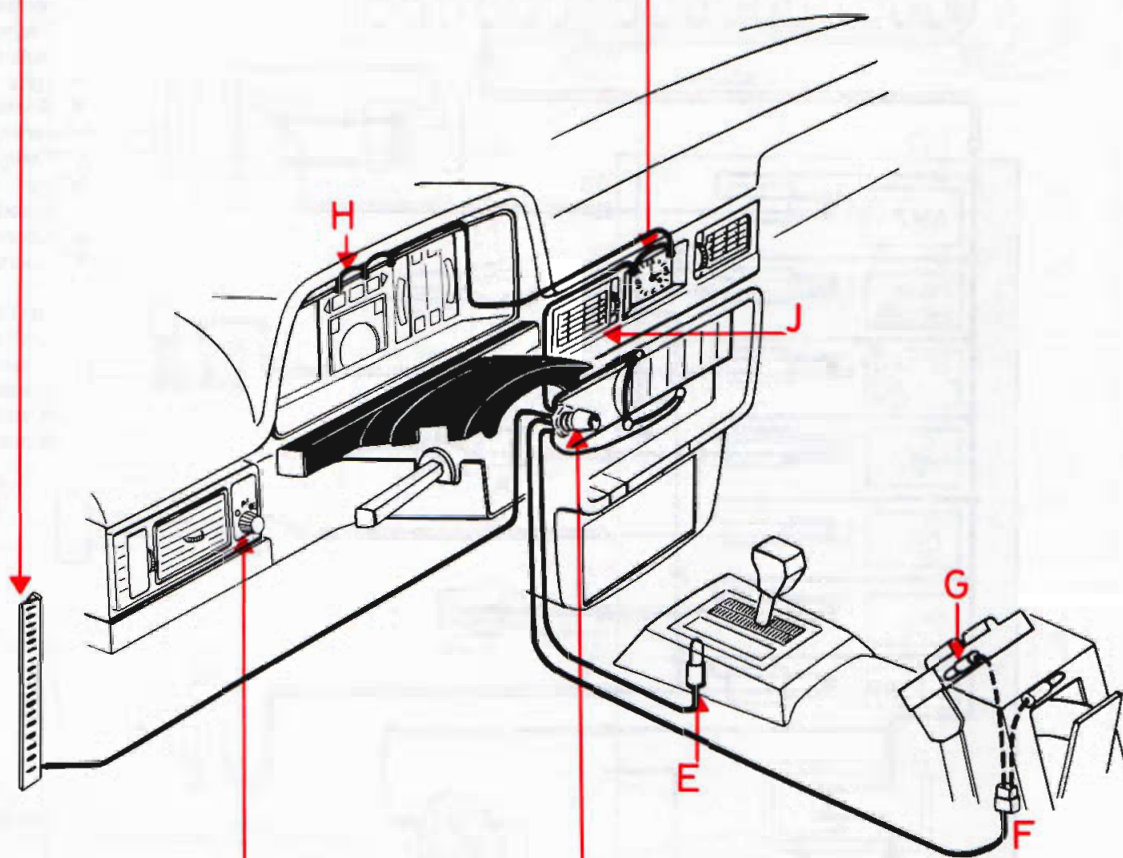
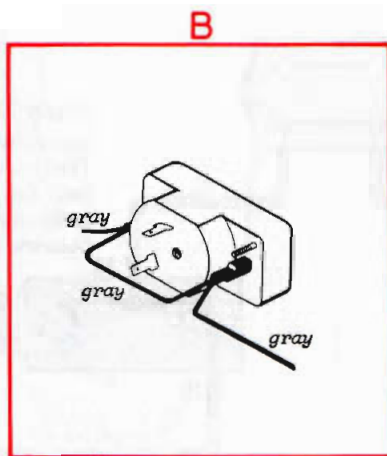
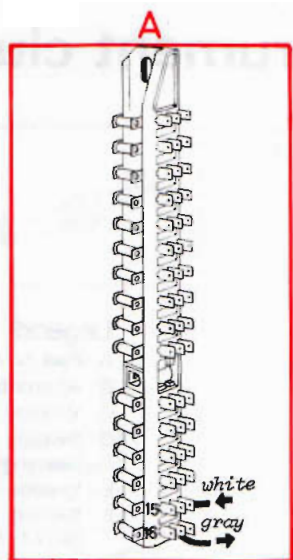


Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

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

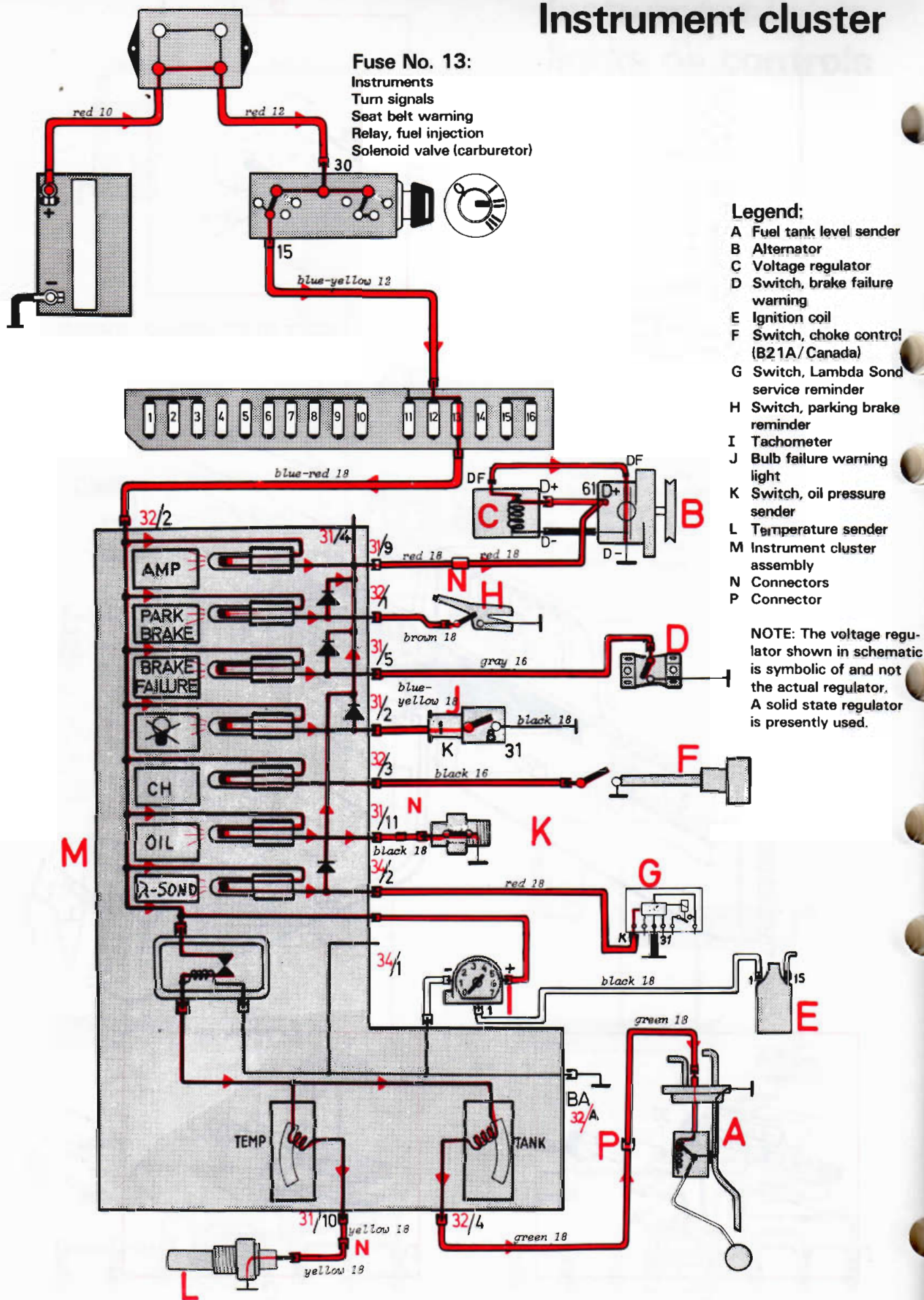




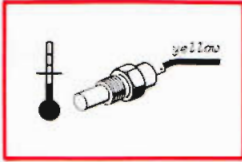
C

D

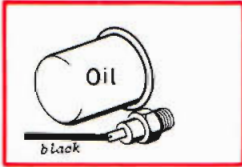
Instrument cluster



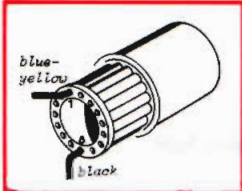
L



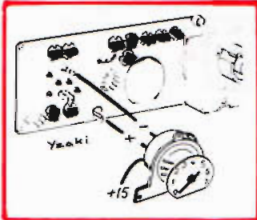
K



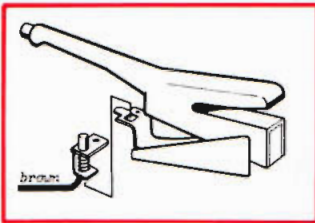
J



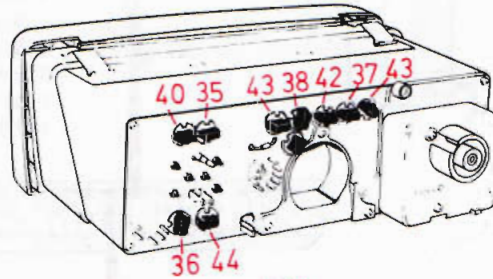
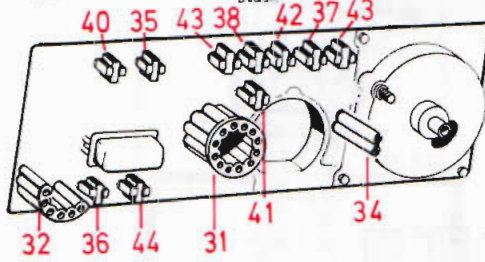
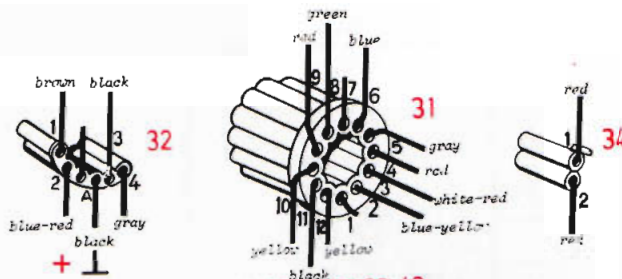
I



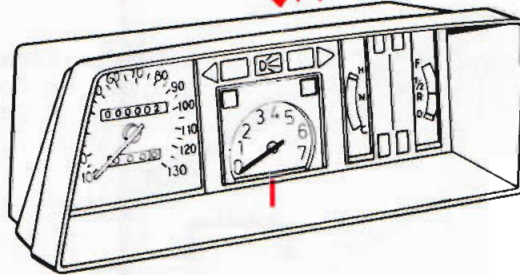
H



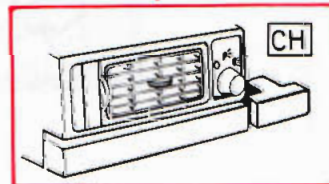
G



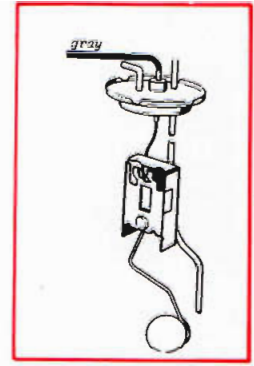
M



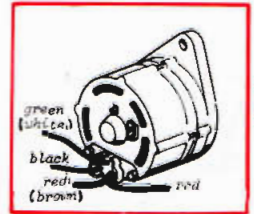
F



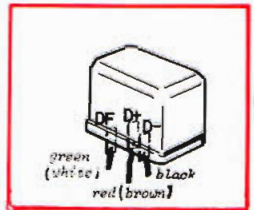
A



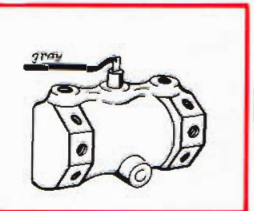
B



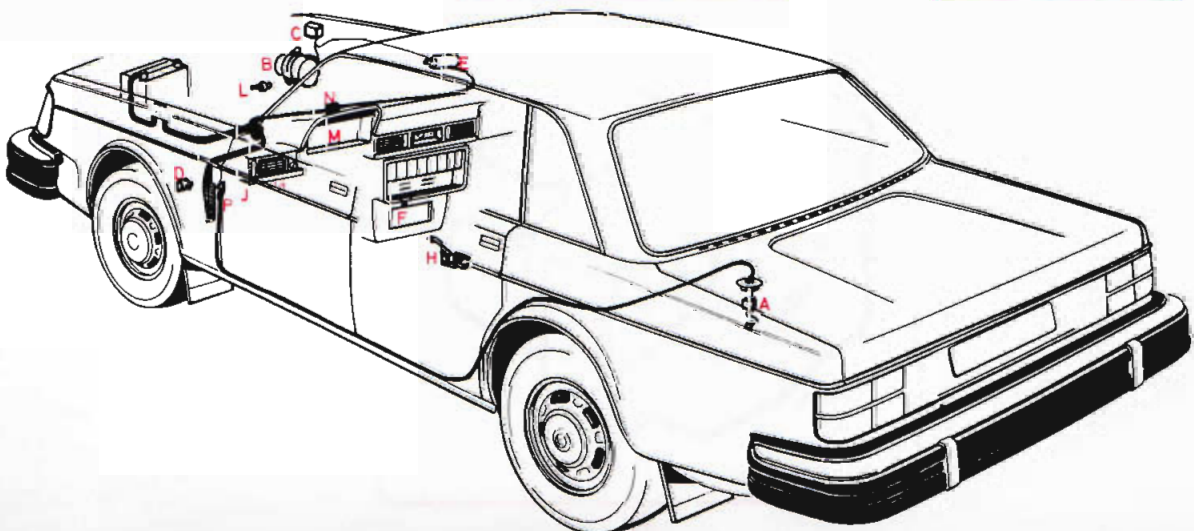
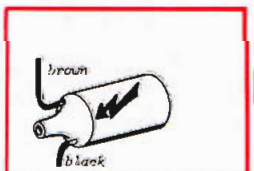
C

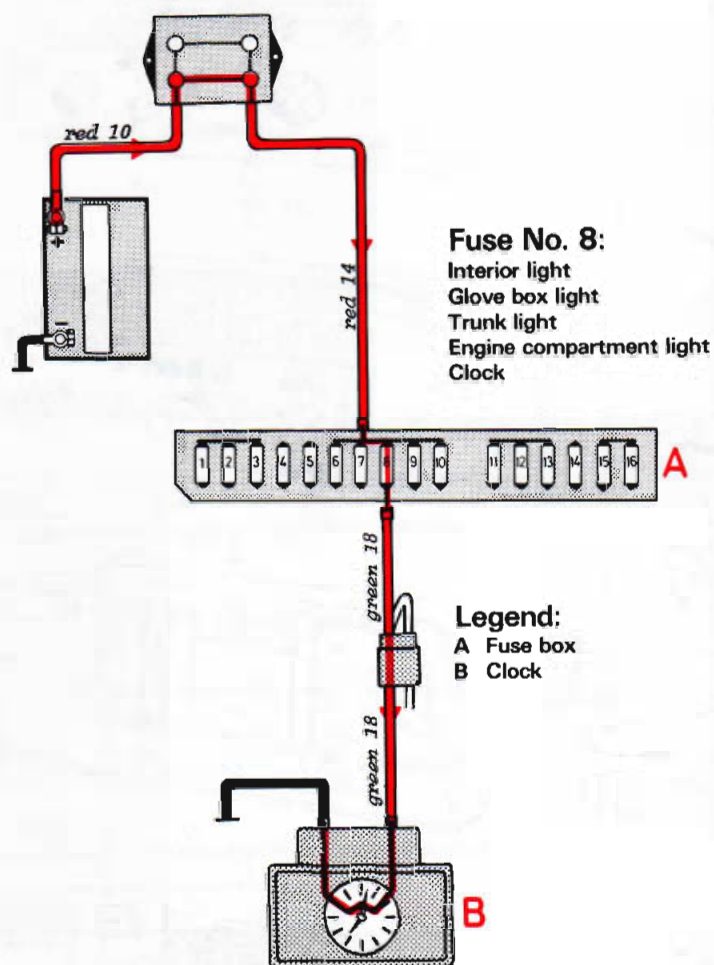


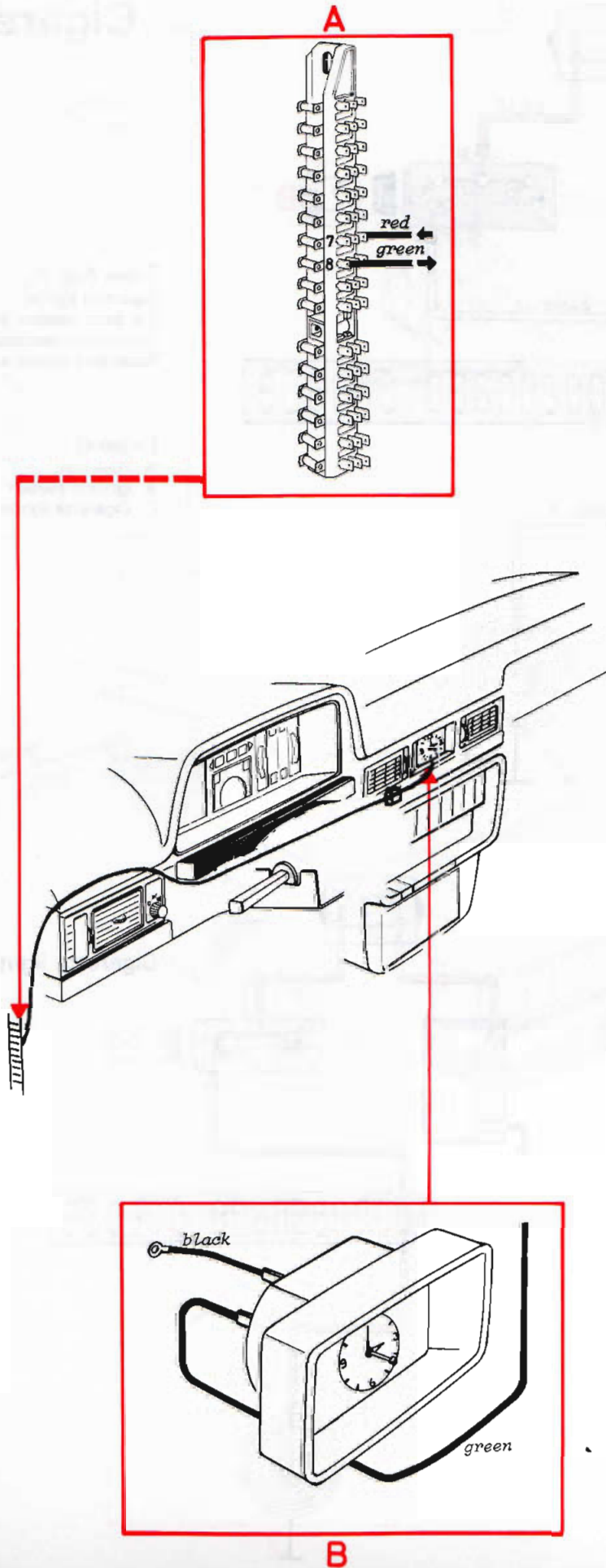
D



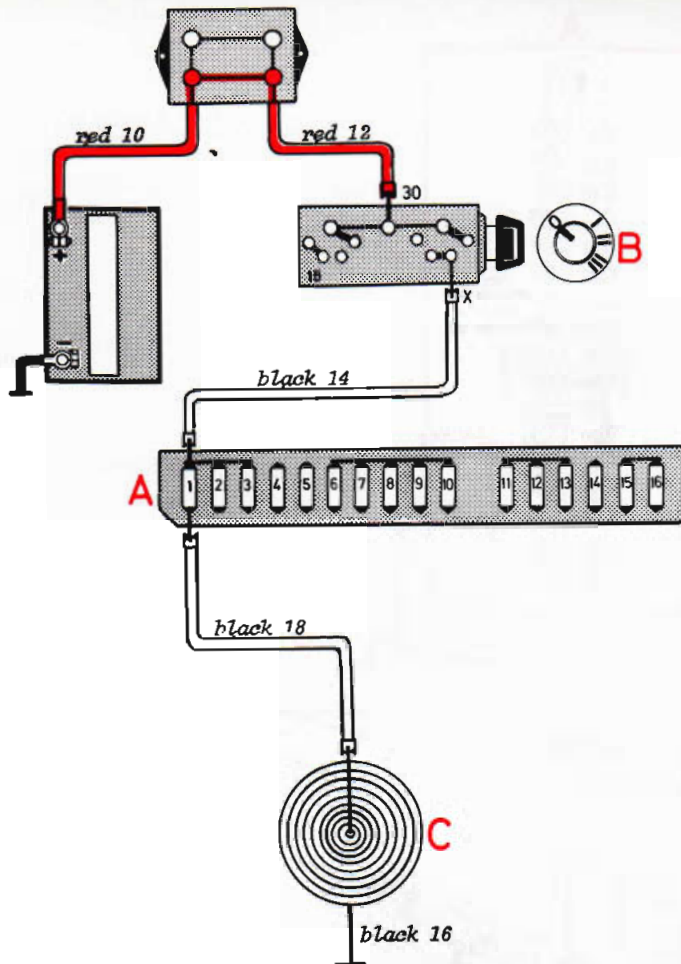
E







Cigarette lighter

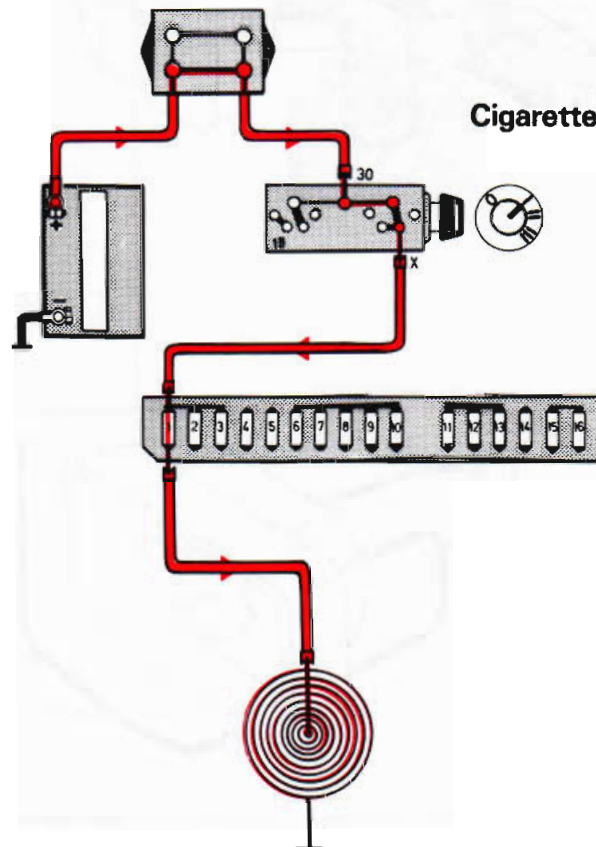


Fuse No. 1:

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

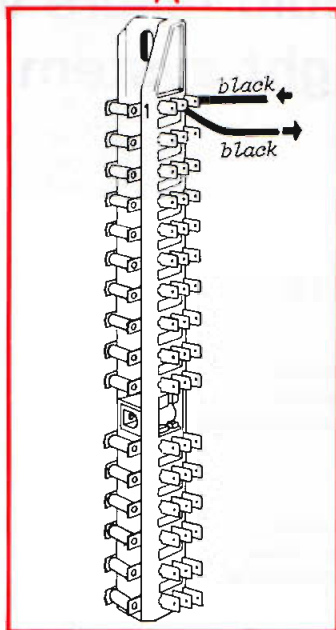
Legend:

A Fuse box
B Ignition switch
C Cigarette lighter

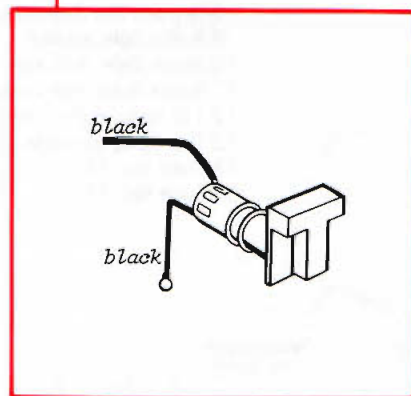
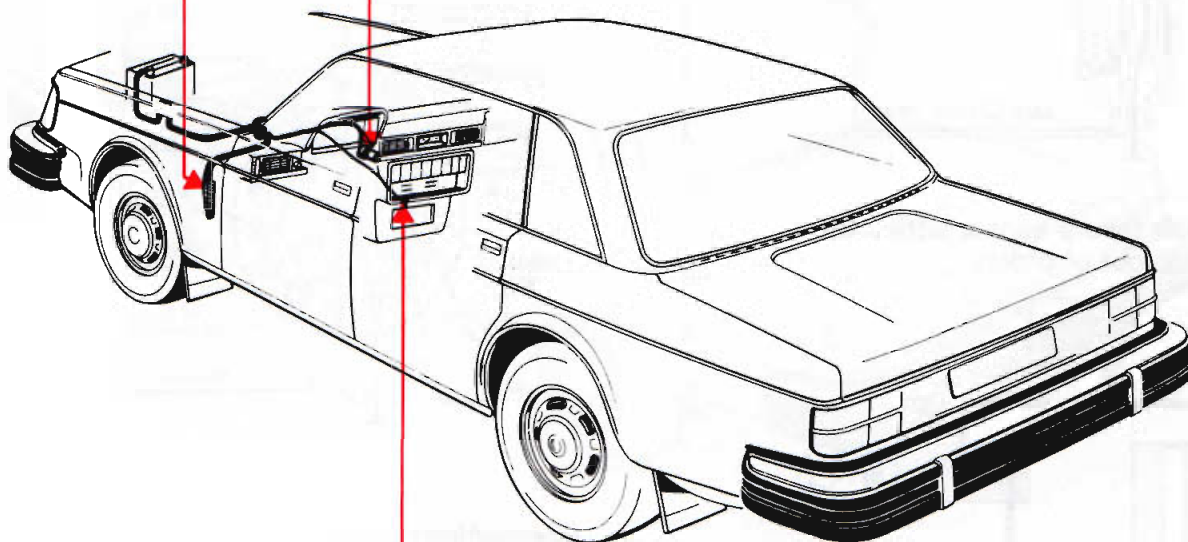
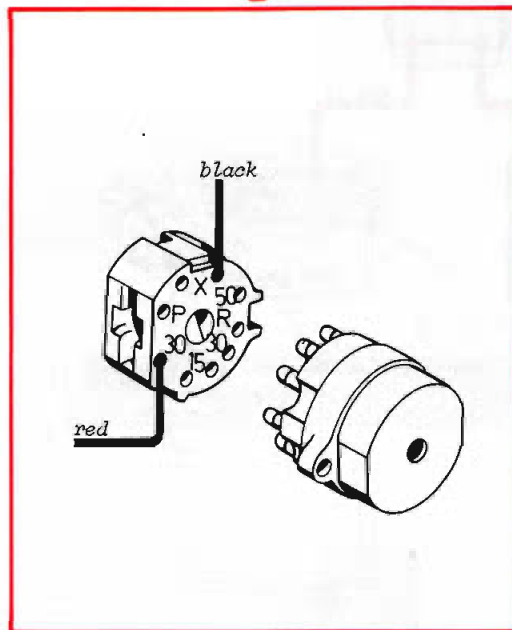


Cigarette lighter ON.

A

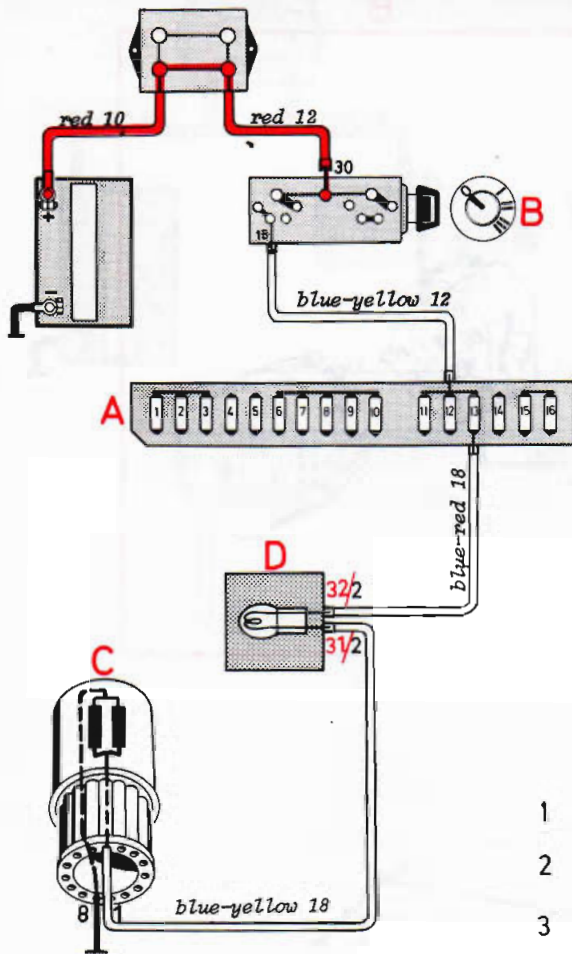


B



C

Bulb failure warning light system



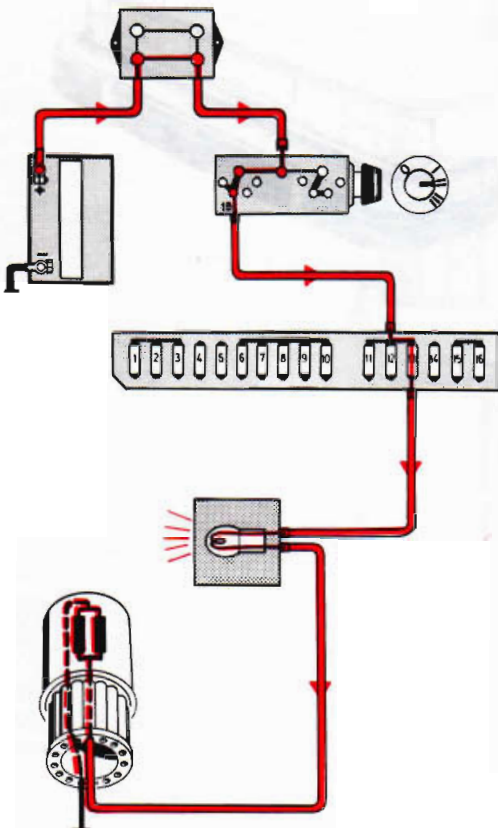
Fuse No. 13:

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

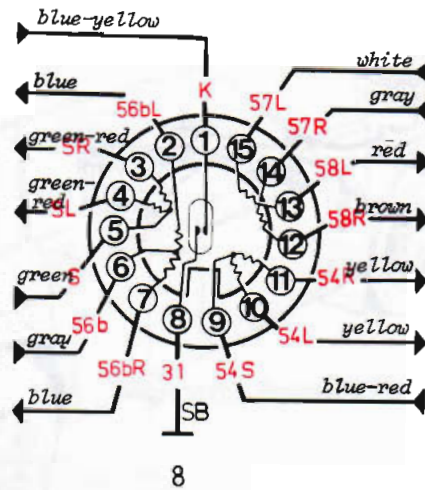
Legend:

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

Bulb failure sensor activated (bulb out of order)



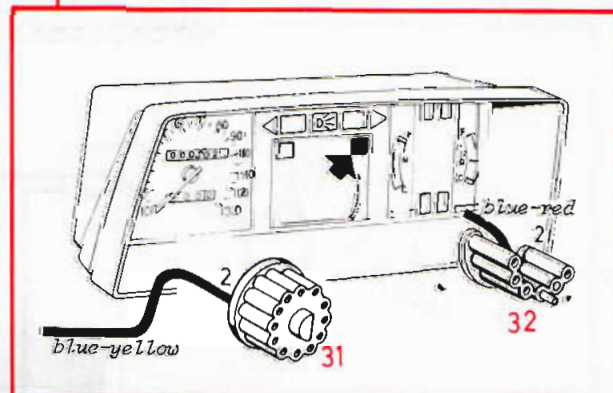
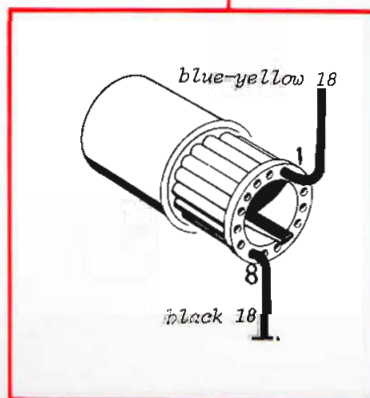
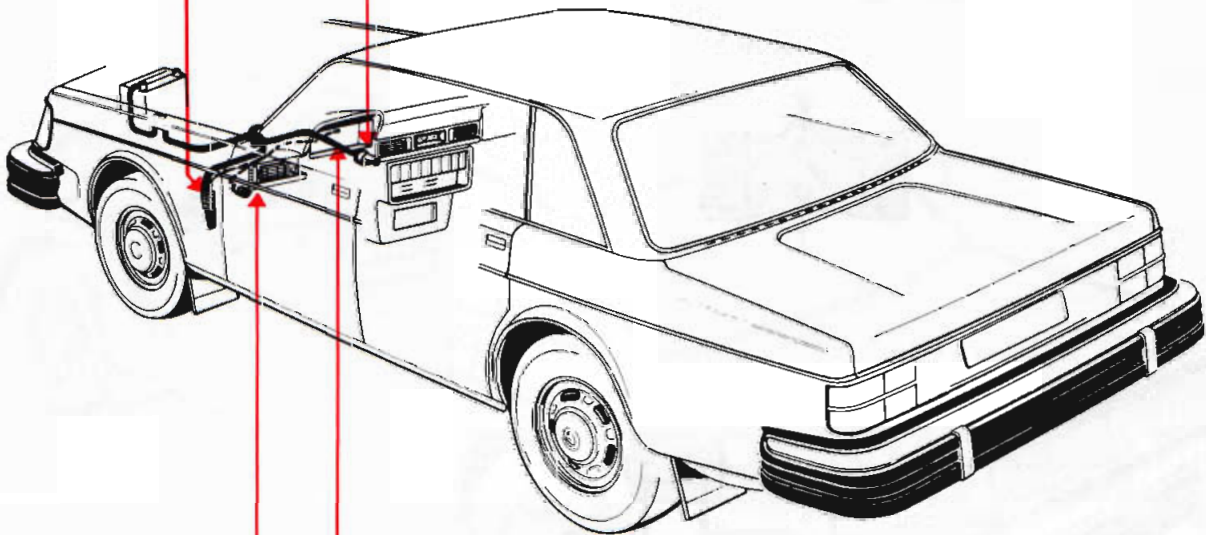
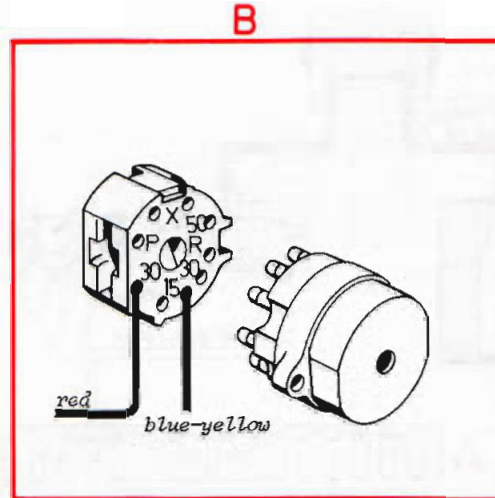
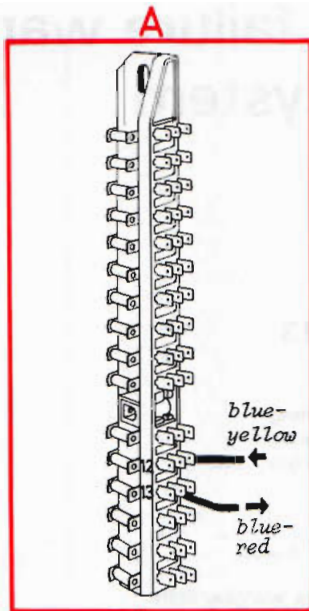
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2
3
4
5
6
7



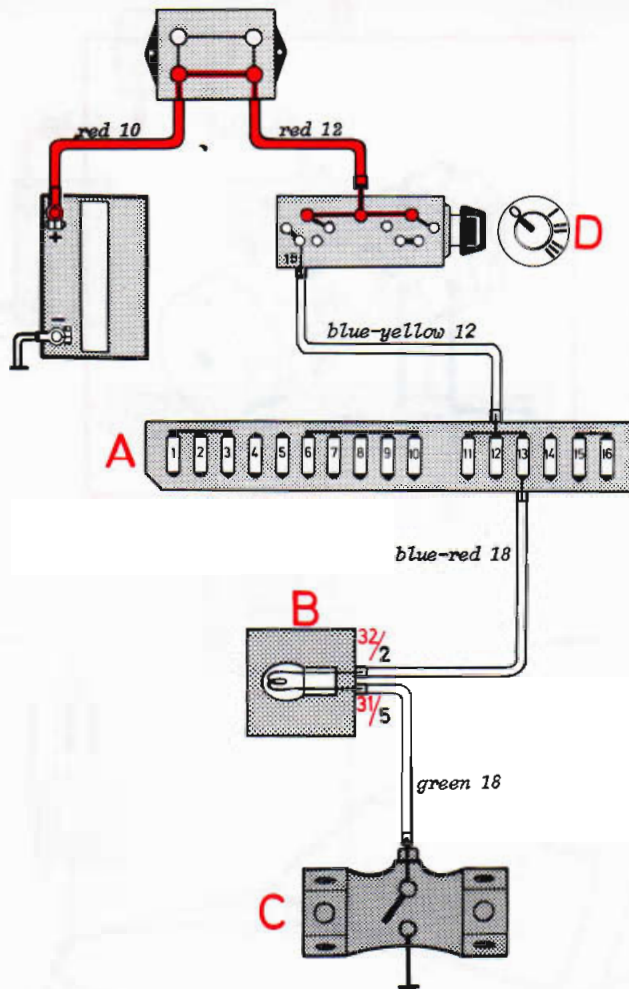
15
14
13
12
11
10
9

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

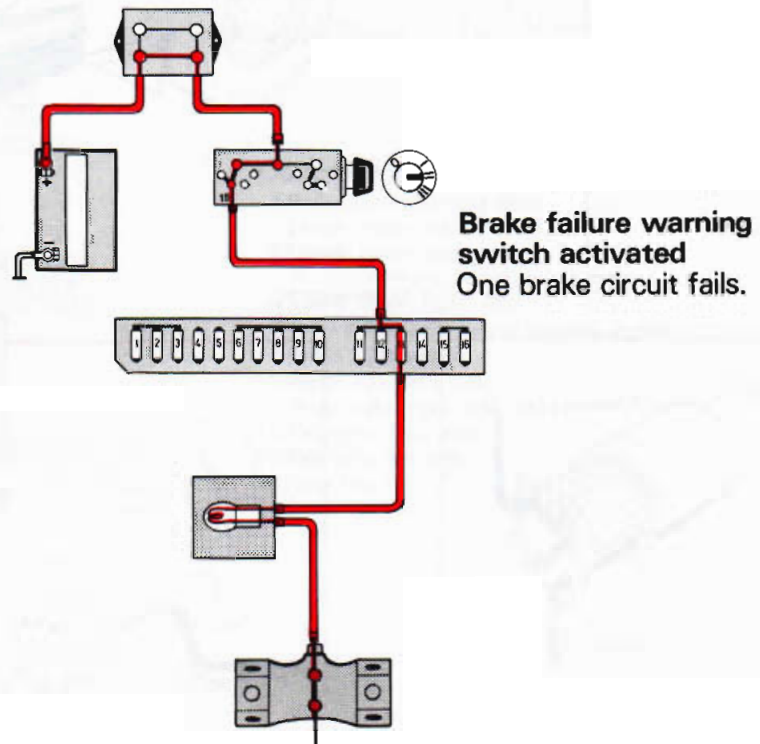


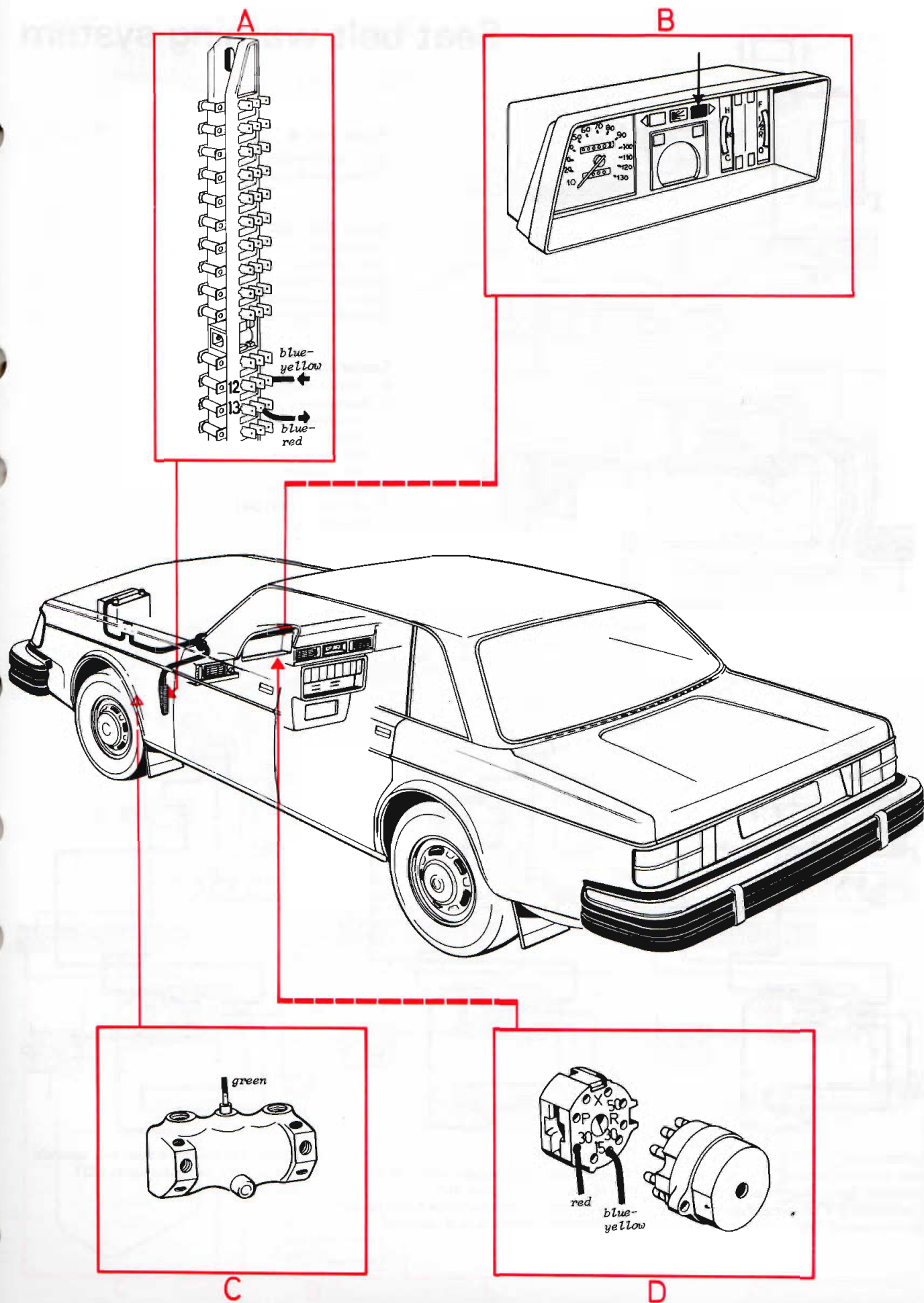
Fuse No. 13:

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

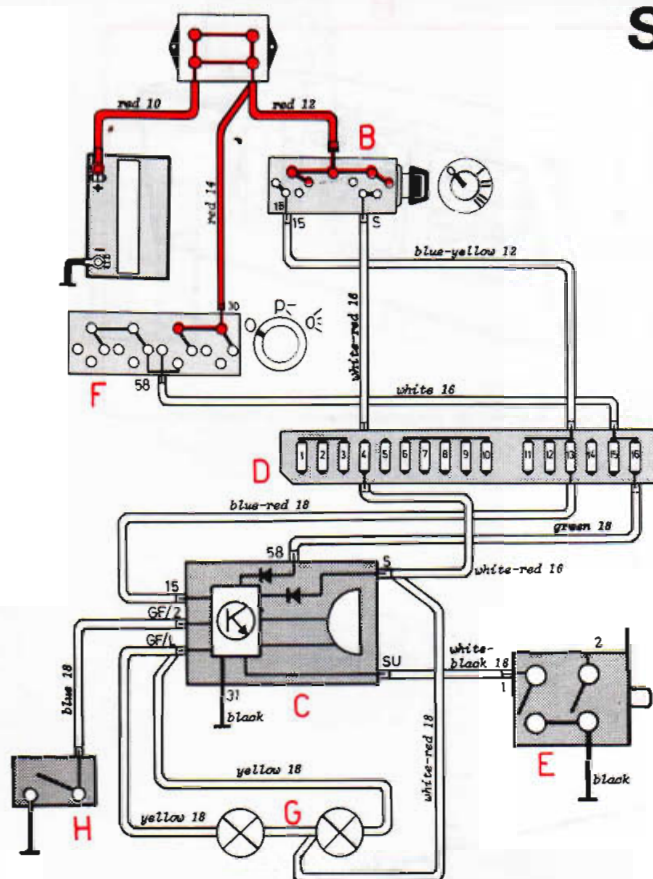
Legend:

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





Seat belt warning system



Fuse No. 4:

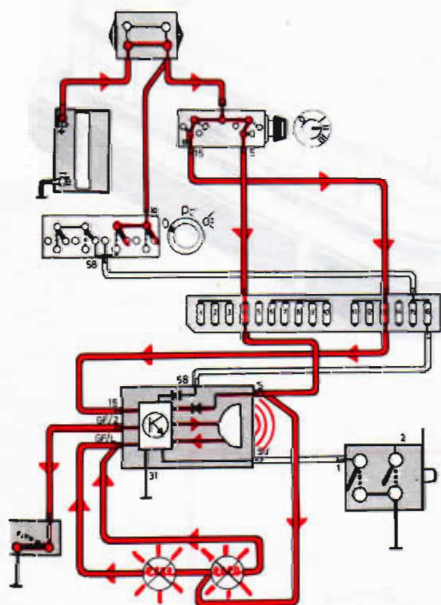
Seat belt warning
Ignition key buzzer

Fuse No. 13:

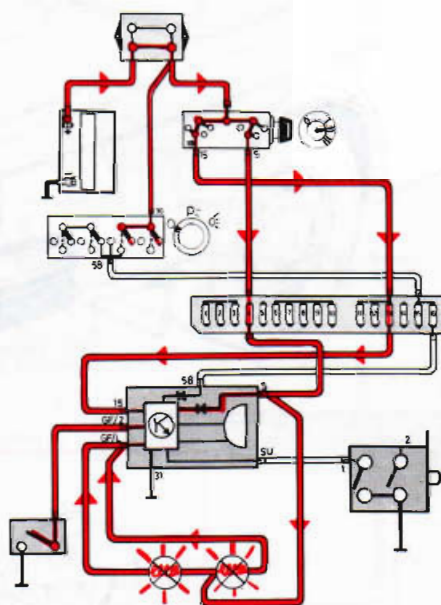
Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve (carburetor)

Legend:

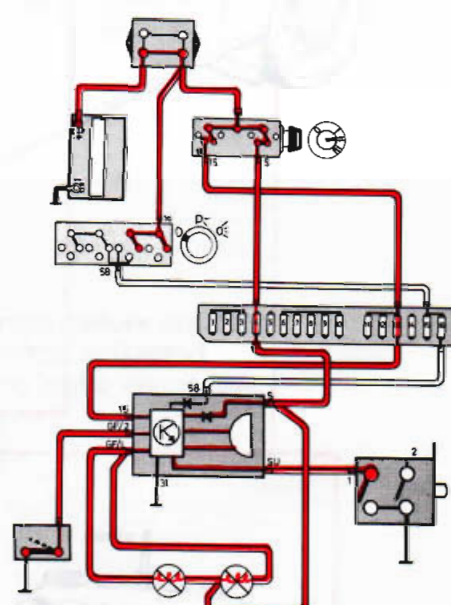
- B Ignition switch
- C Buzzer relay
- D Fuse box
- E Door switch, left side front door
- F Light switch
- G Reminder lights
- H Switch for seat belt, driver's seat



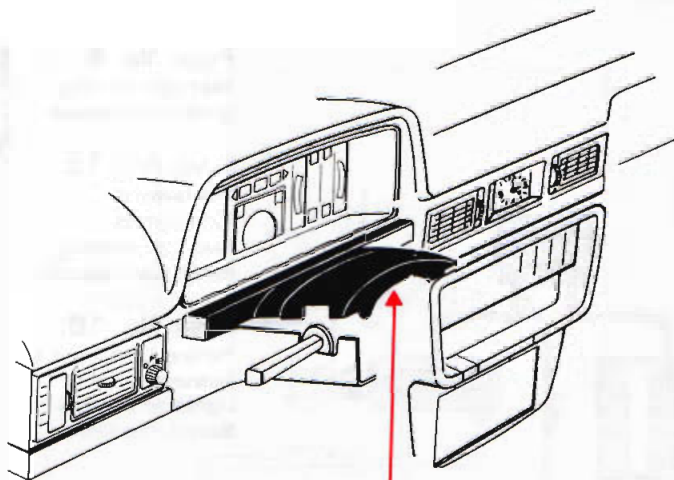
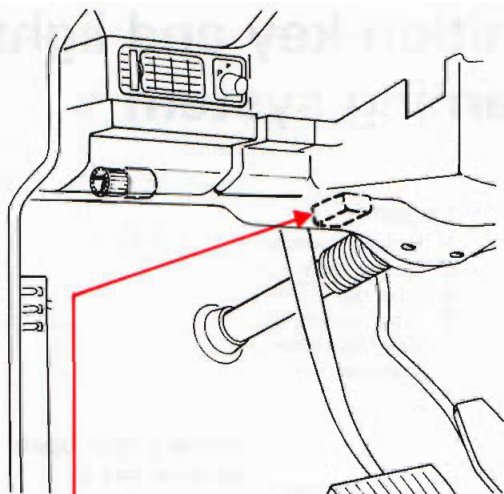
Ignition ON
Seat belt not buckled.
Reminder lights illuminate and buzzer sounds for 4-8 seconds after switching ignition switch ON.



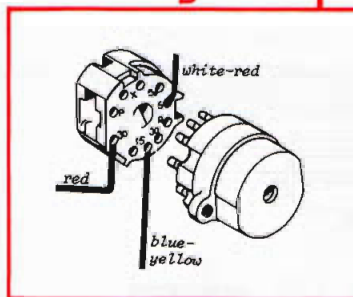
Ignition ON
Seat belt being buckled within 4-8 seconds: buzzer goes OUT.
With ignition ON, reminder lights remain illuminated full time (4-8 seconds).



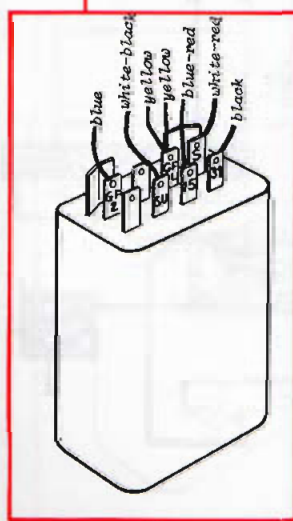
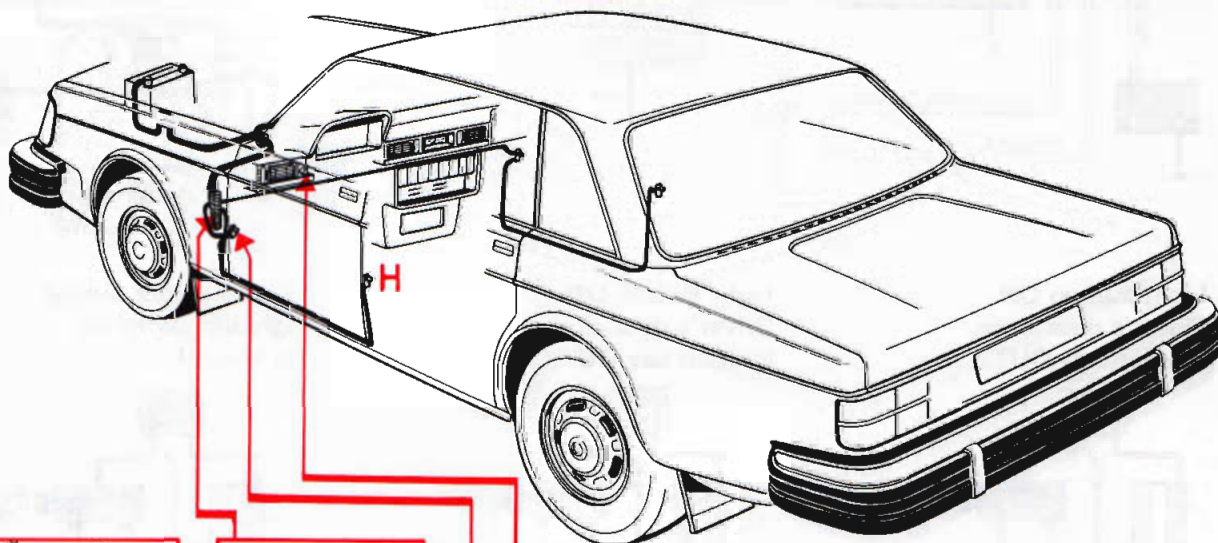
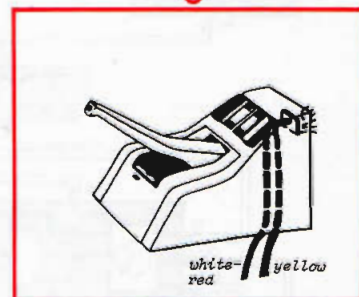
Ignition ON for more than 4-8 seconds.
Buzzer OUT, reminder lights NOT illuminated.



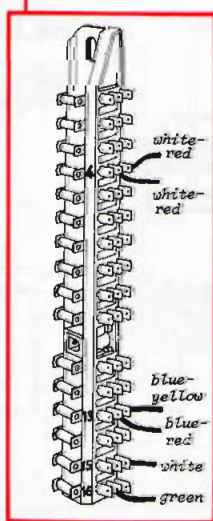
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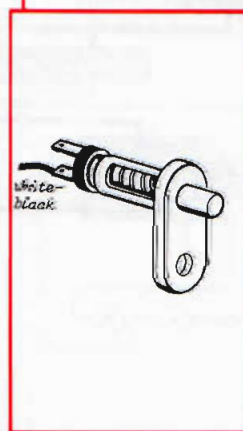
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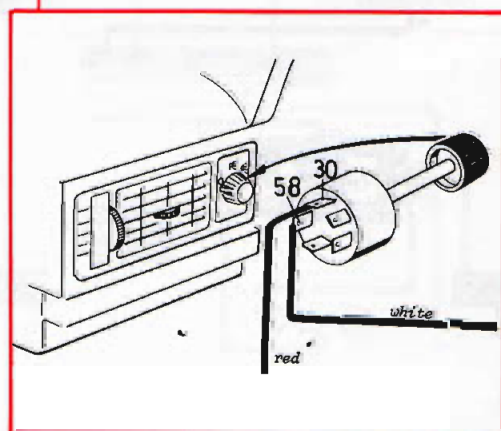
C



D



E



F

Ignition key and light warning system

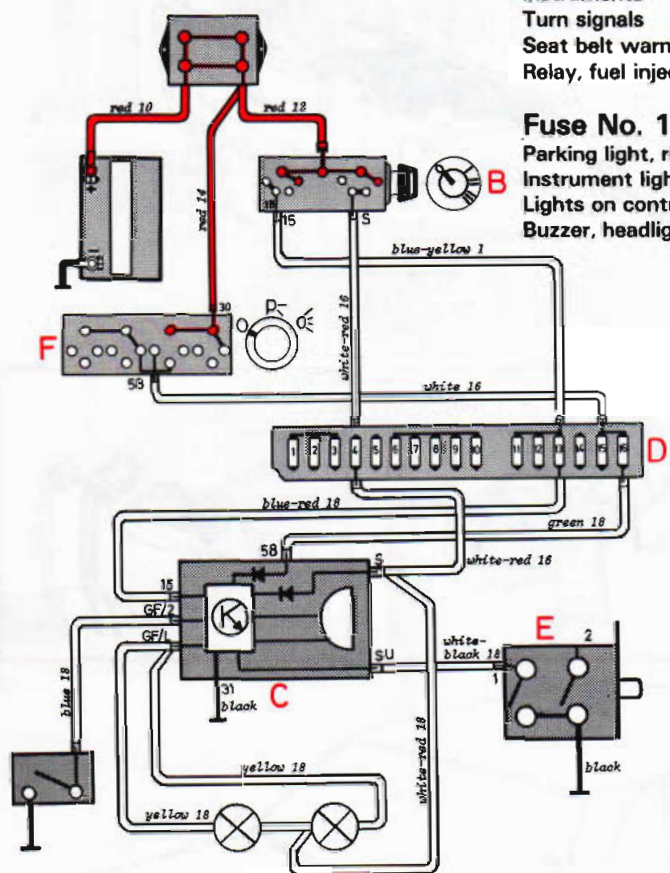
Fuse No. 4:
Seat belt warning
Ignition key buzzer

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

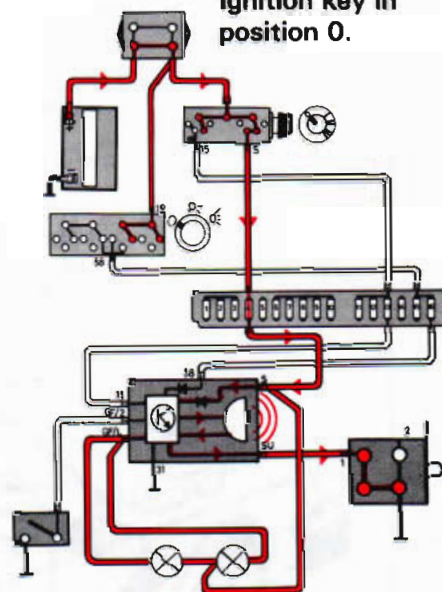
Fuse No. 16:
Parking light, right side
Instrument lights
Lights on controls
Buzzer, headlight

Legend:

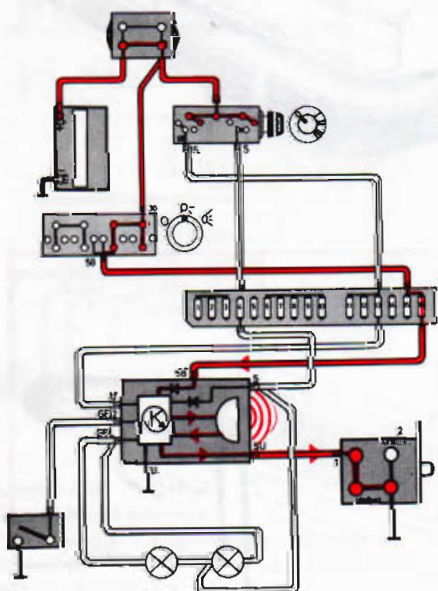
- B Ignition switch
- C Buzzer relay
- D Fuse box
- E Door switch, left side front door
- F Light switch



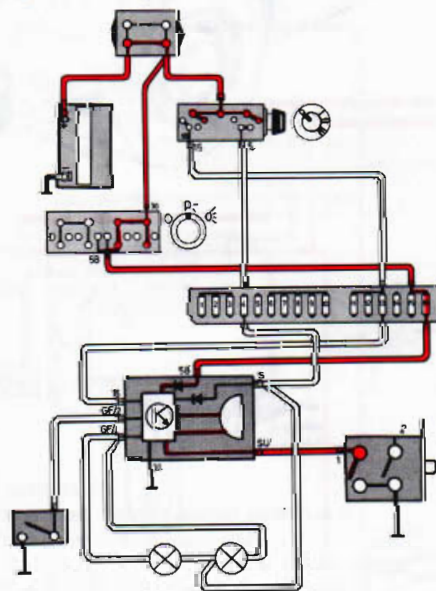
Driver's door open.
Ignition key in position 0.



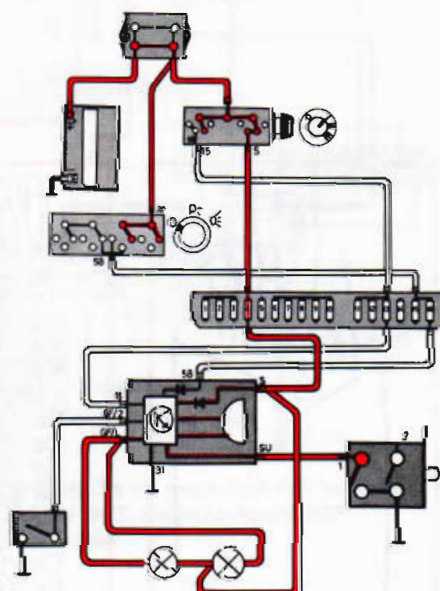
Light switch ON.
Driver's door open.
Ignition key OUT.

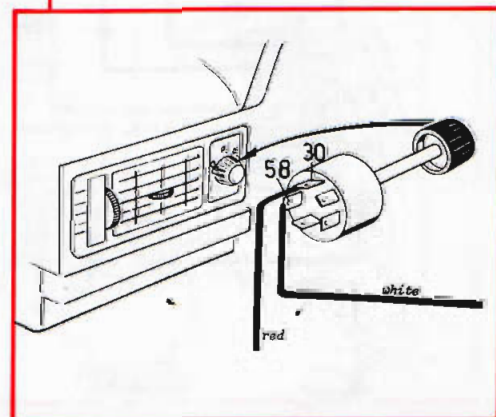
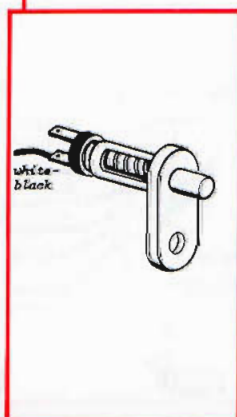
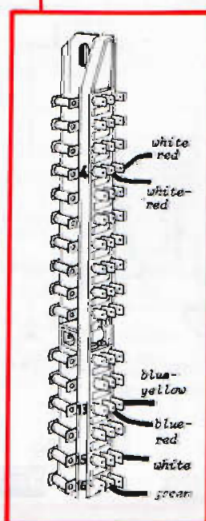
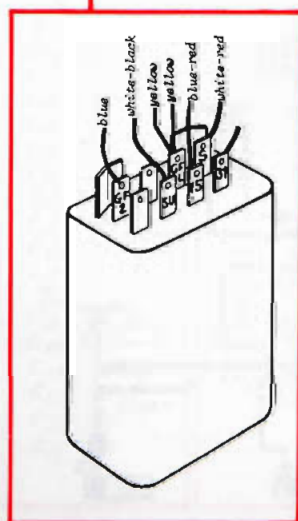
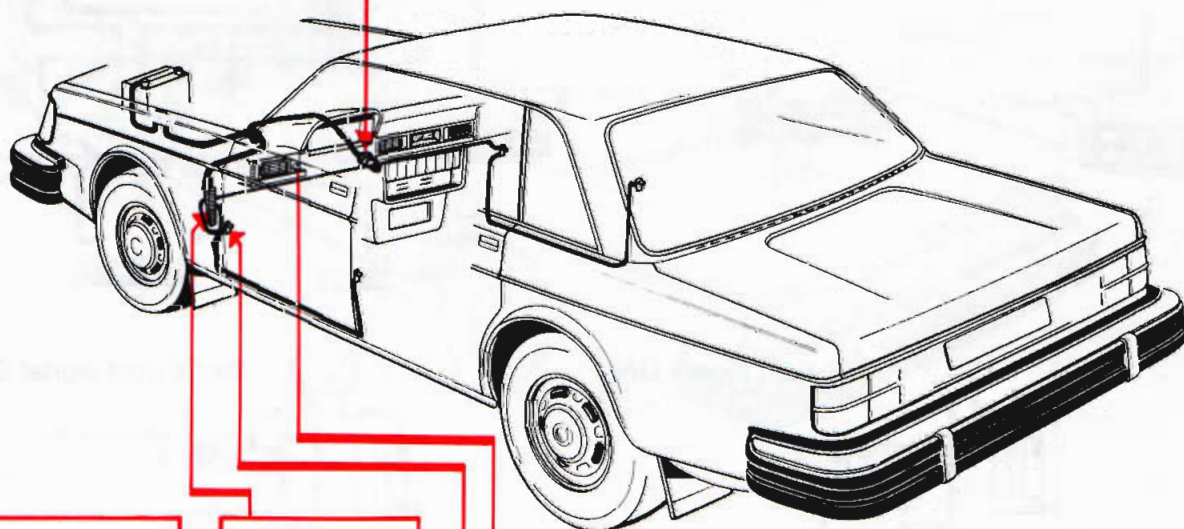
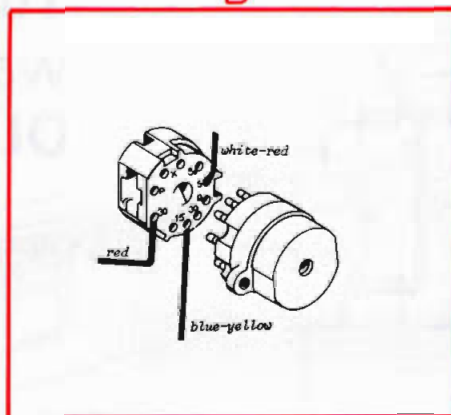
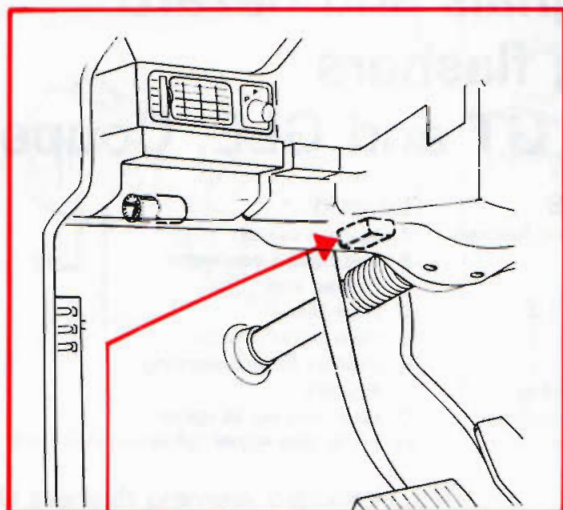


Light switch ON.
Driver's door closed.
Ignition key OUT.

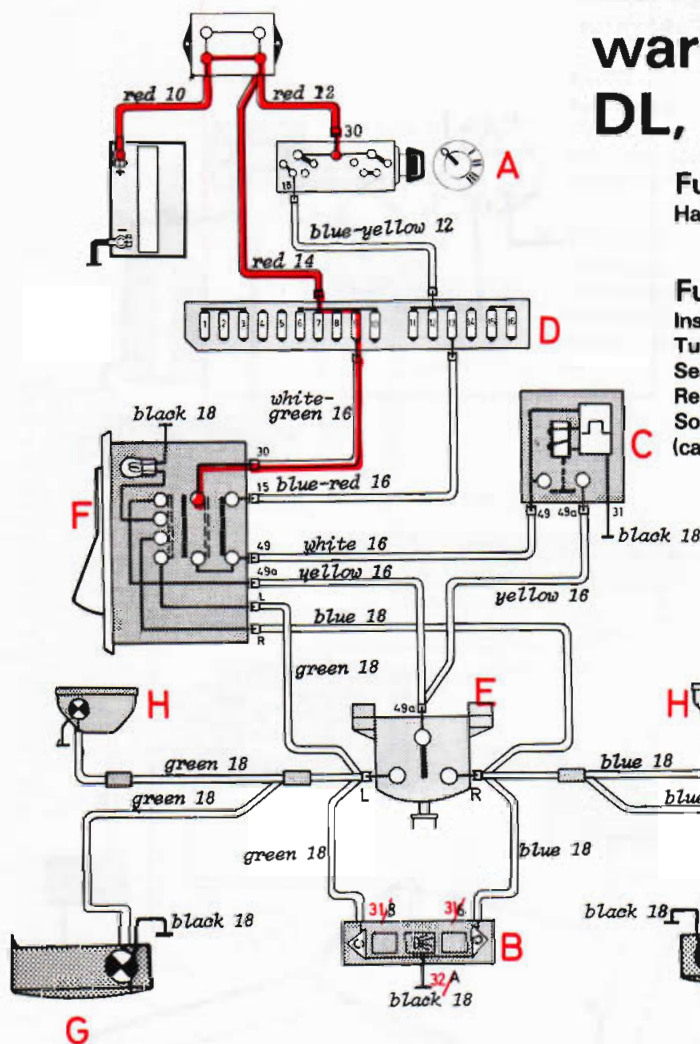


Driver's door closed.
Ignition switch in position I.





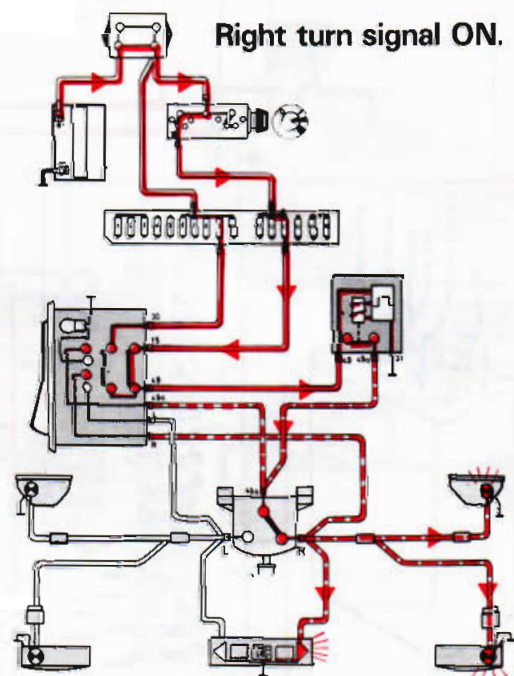
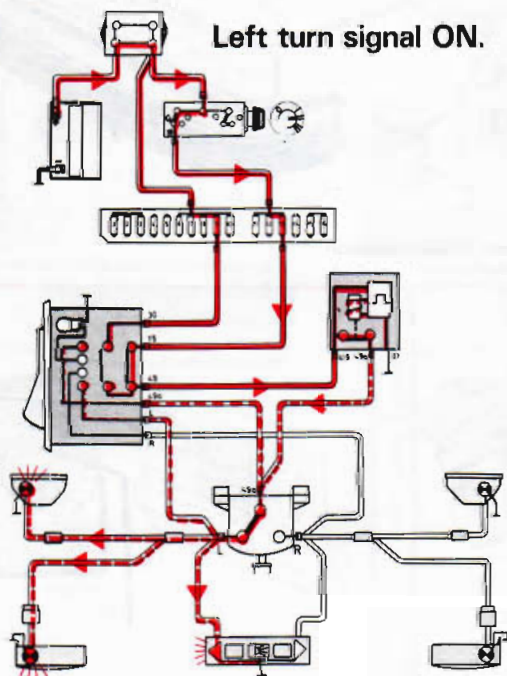
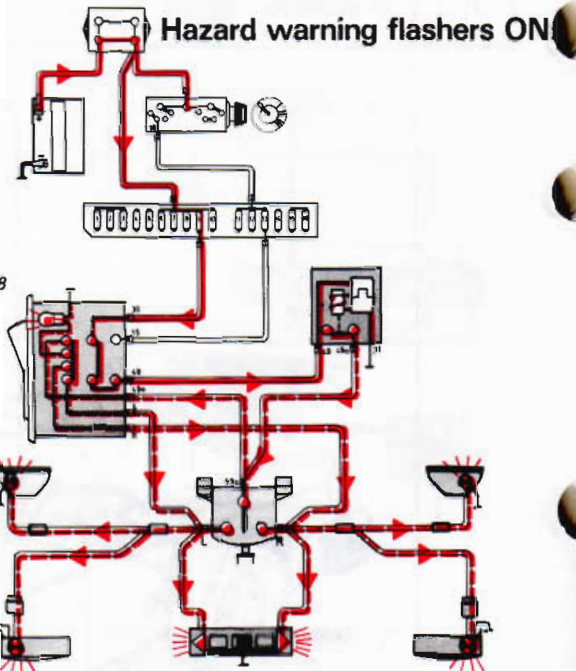
Turn signals and hazard warning flashers DL, GL, GT and GLE, Coupe



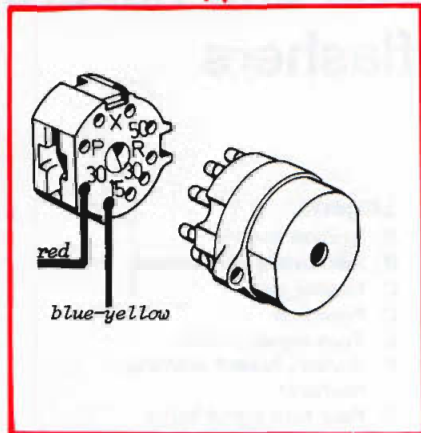
Fuse No. 9:
Hazard warning flashers

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

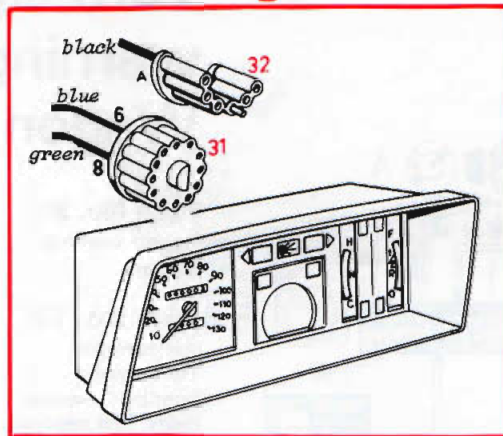
Legend:
A Ignition switch
B Instrument connector
C Flasher unit
D Fuse box
E Turn signal switch
F Switch, hazard warning
flashers
G Rear turn signal lights
H Front turn signal lights



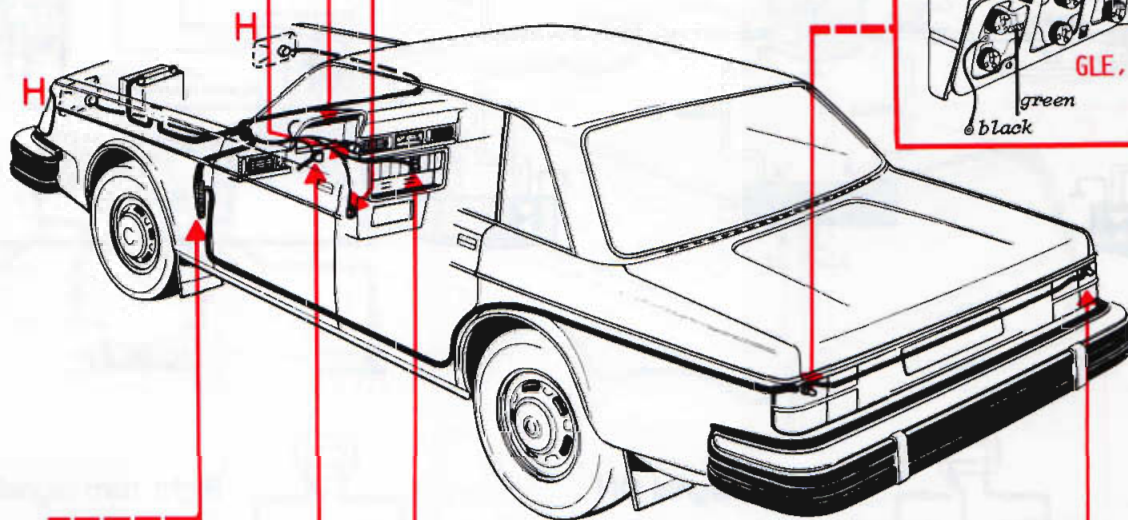
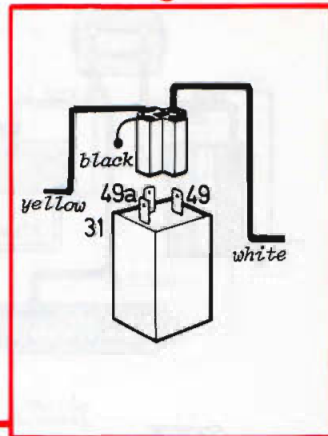
A



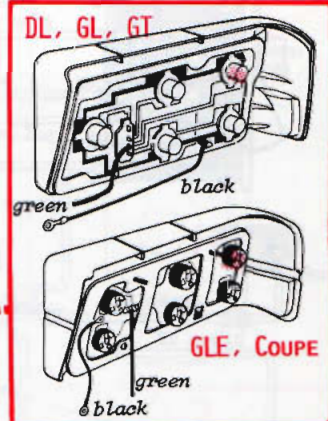
B



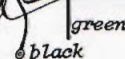
C



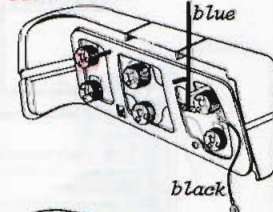
DL, GL, GT



GLE, COUPE



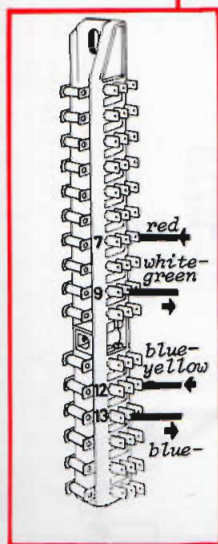
GLE, COUPE



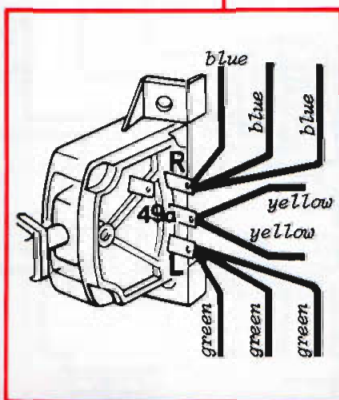
DL, GL, GT



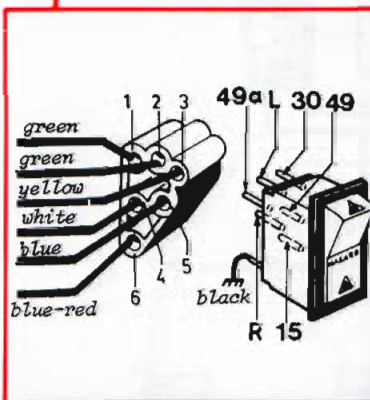
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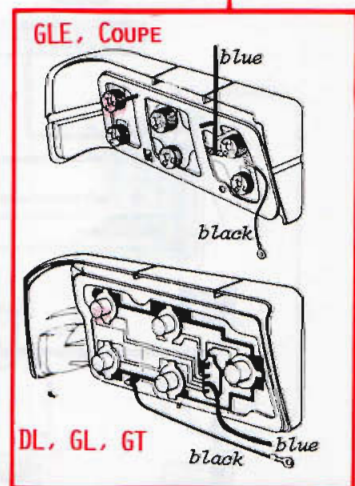
E



F



G



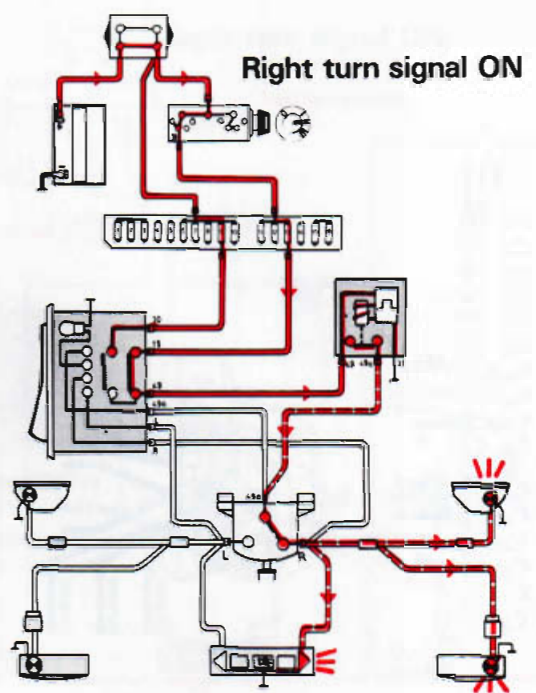
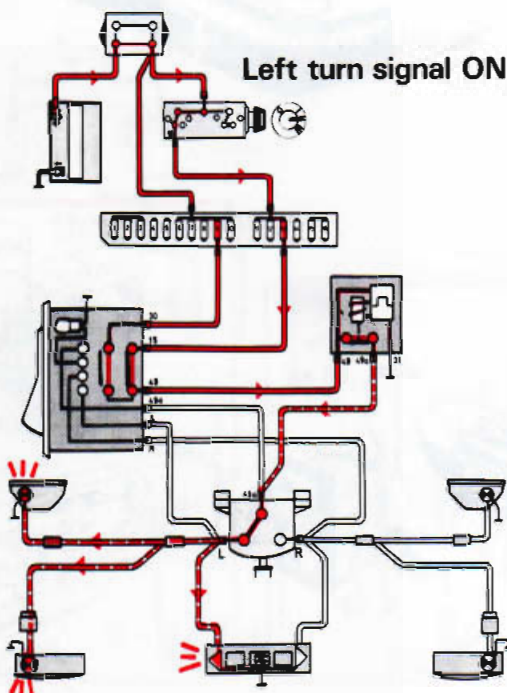
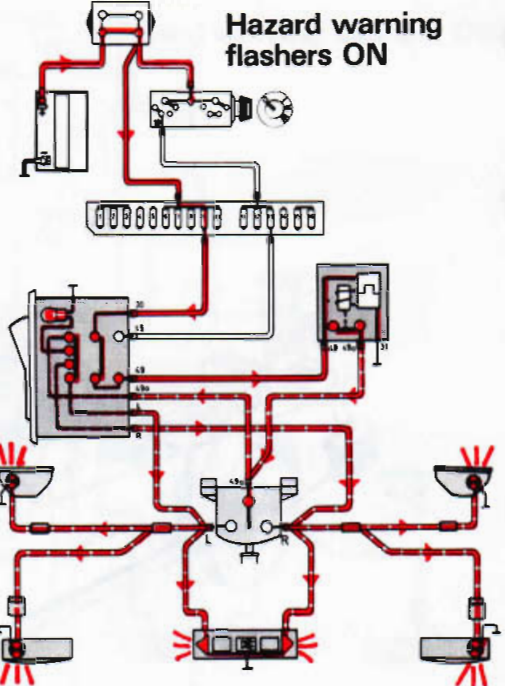
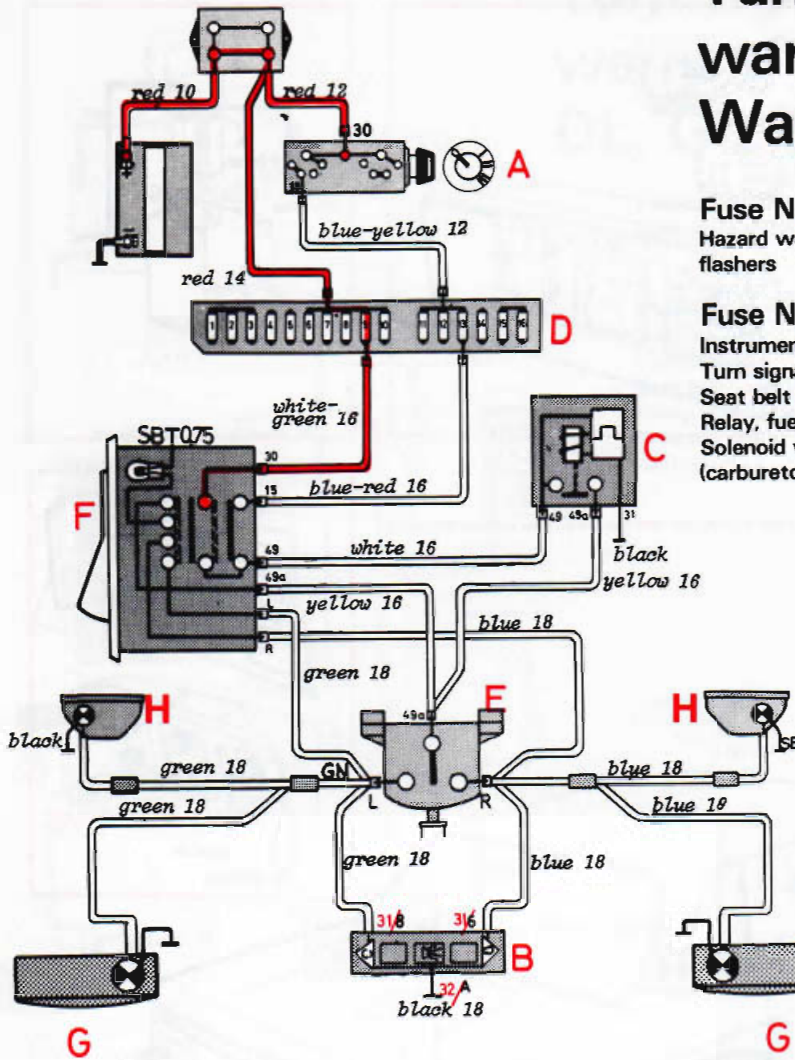
Turn signals and hazard warning flashers Wagon

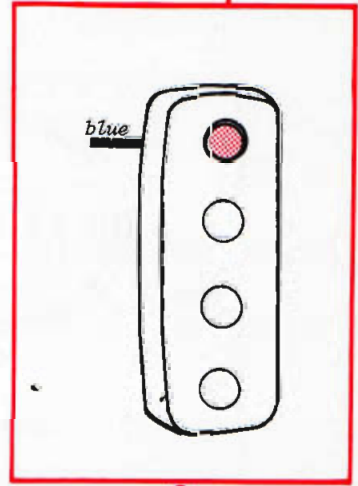
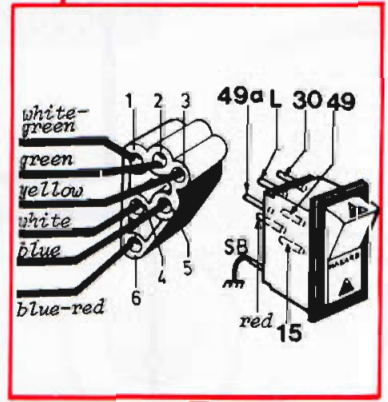
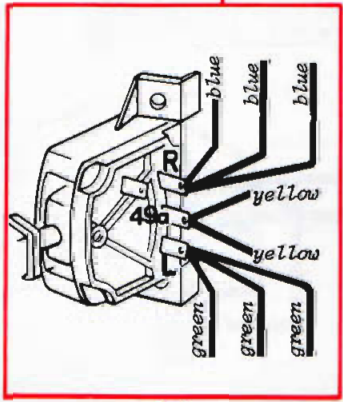
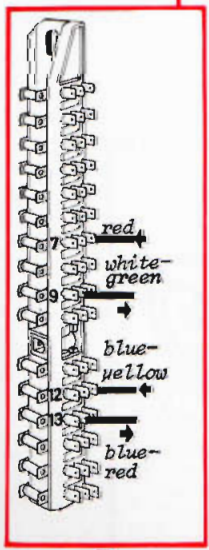
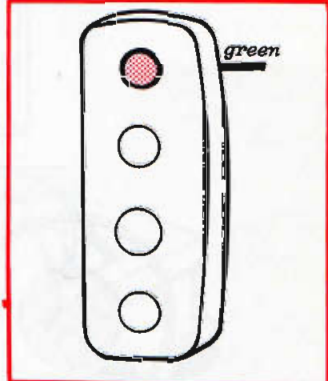
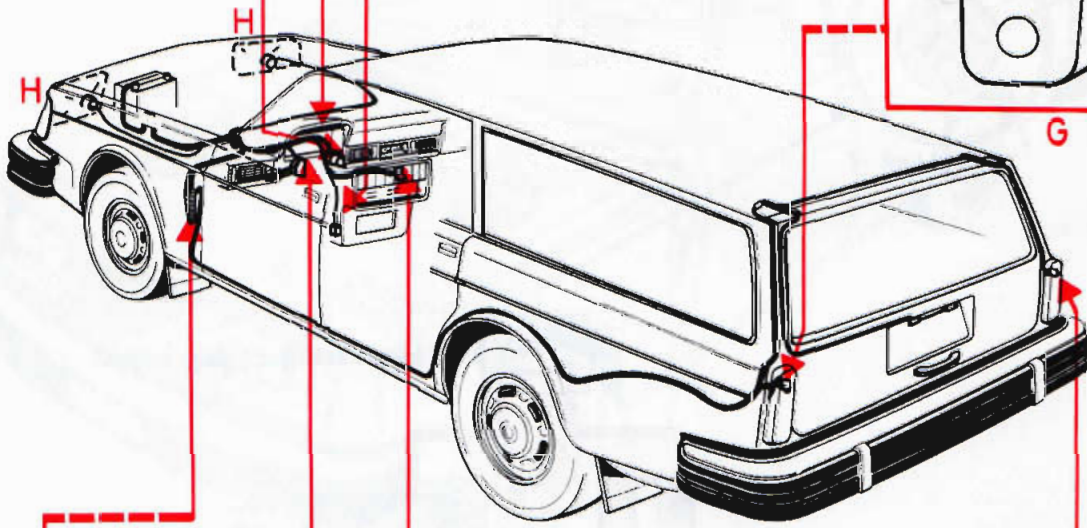
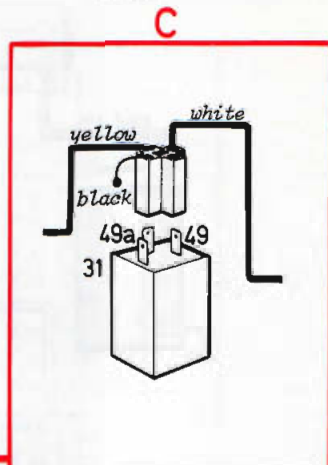
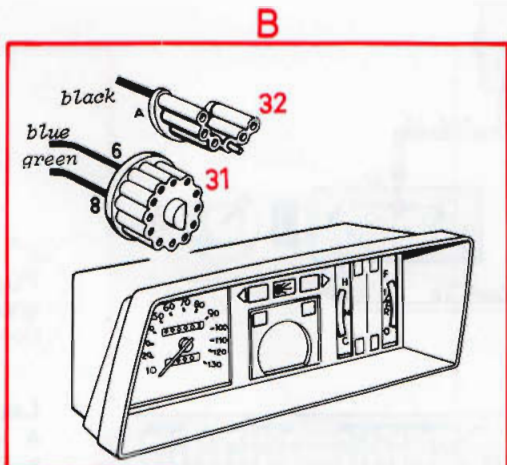
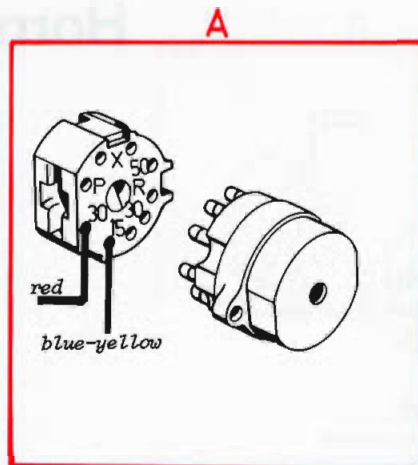
Fuse No. 9:
Hazard warning
flashers

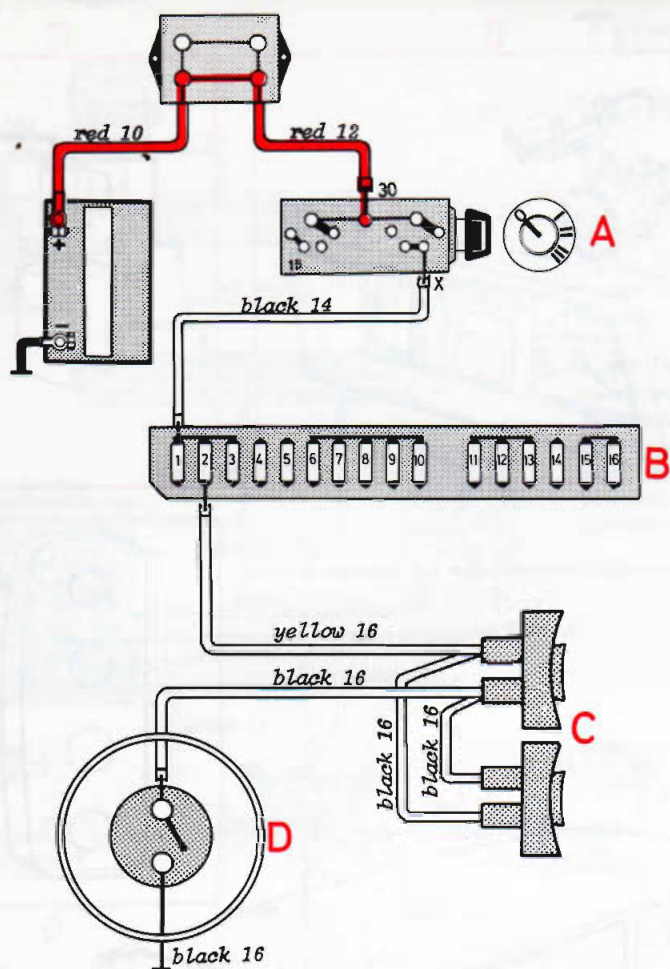
Fuse No. 13:
Instruments
Turn signals
Seat belt warning
Relay, fuel injection
Solenoid valve
(carburetor)

Legend:

- A Ignition switch
- B Instrument 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

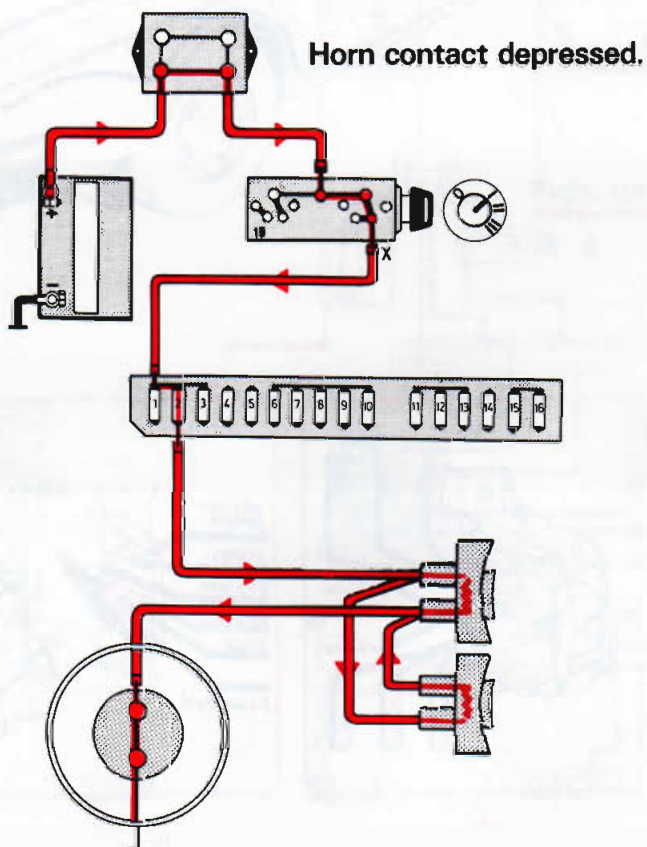




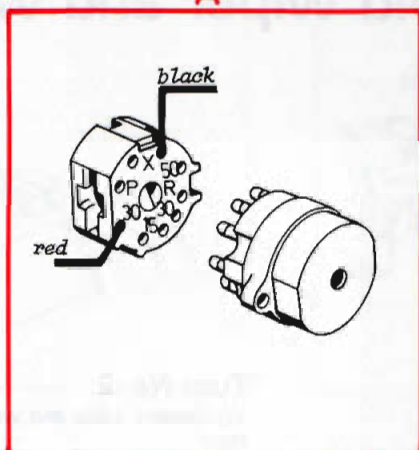


Fuse No. 2:
Windshield wiper/washer
Horn

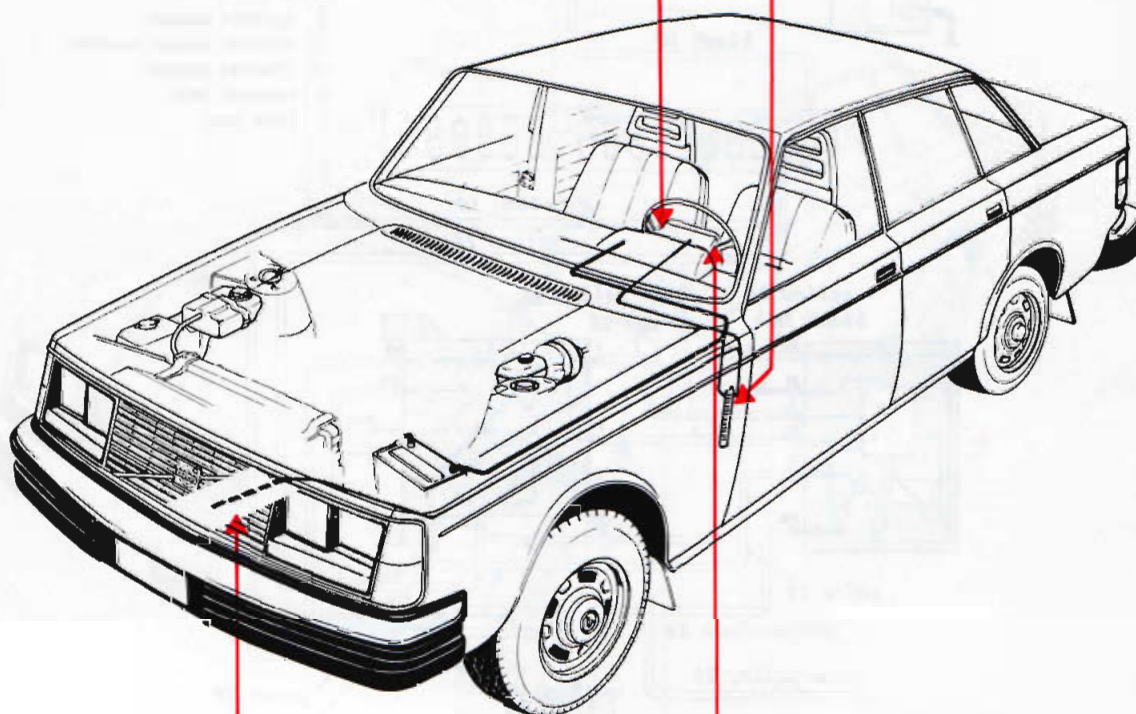
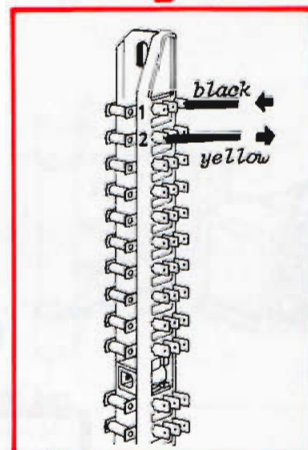
Legend:
A Ignition switch
B Fuse box
C Horn
D Horn contact



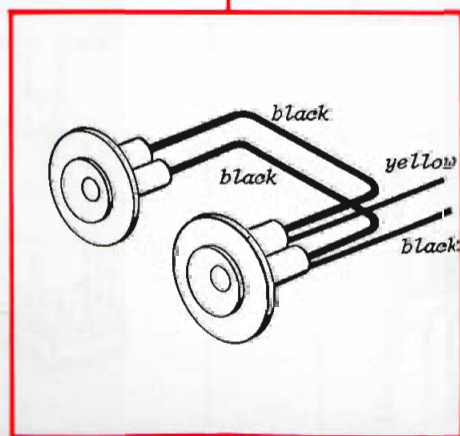
A



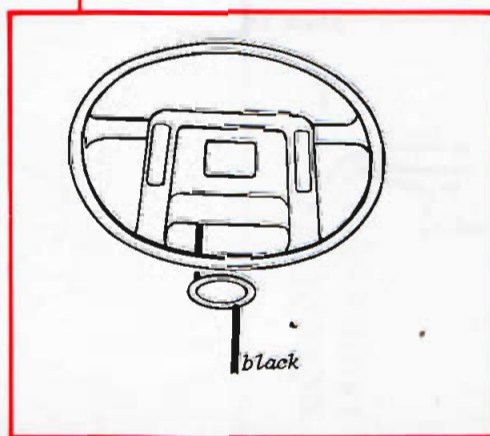
B



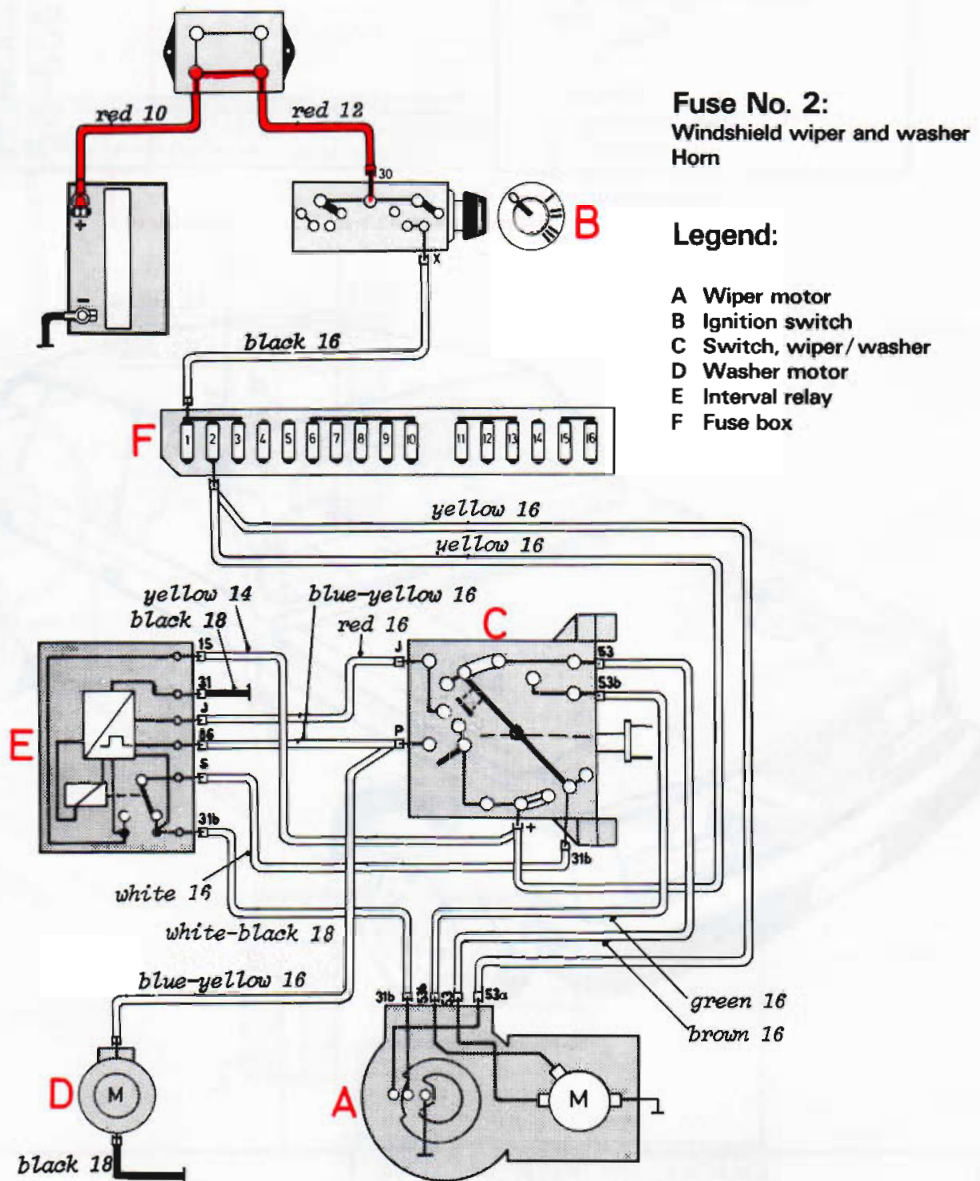
C

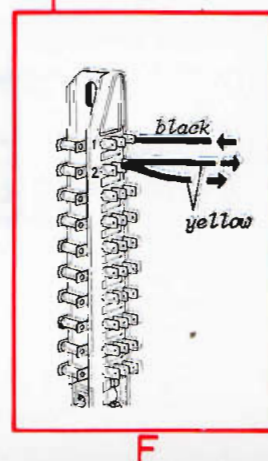
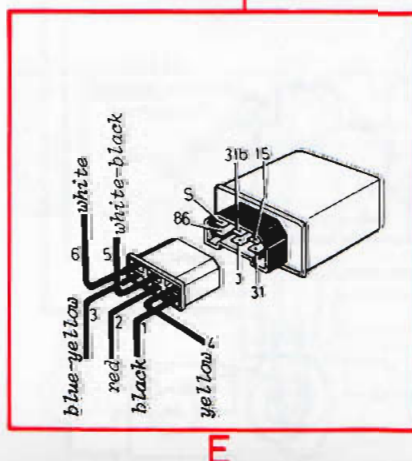
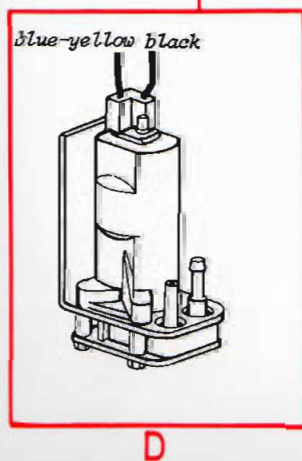
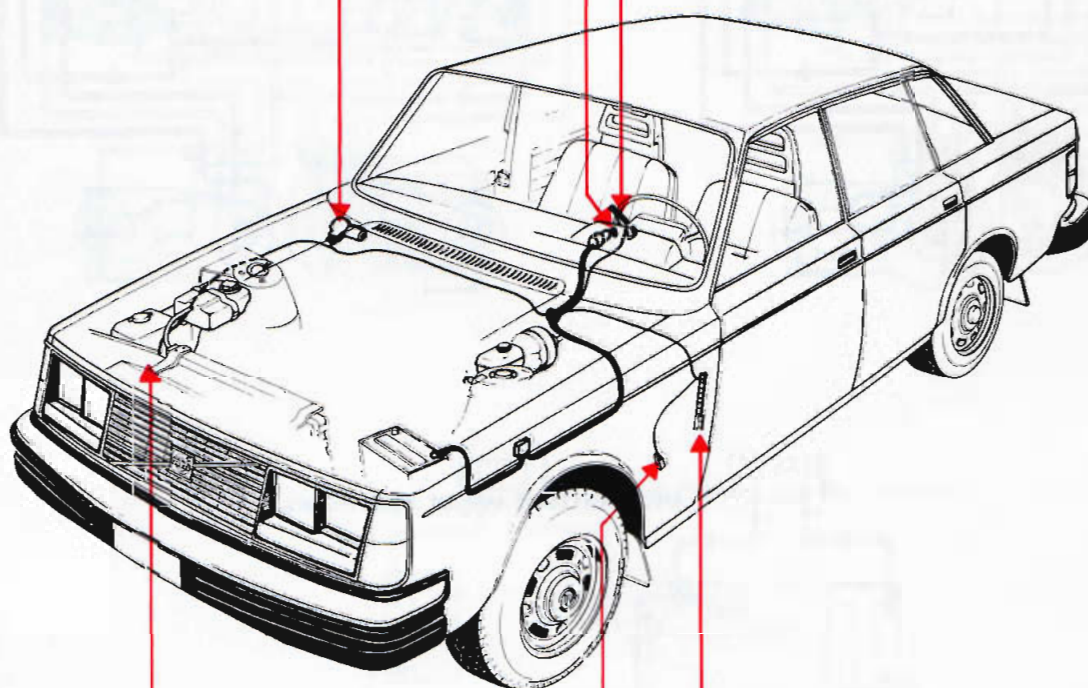
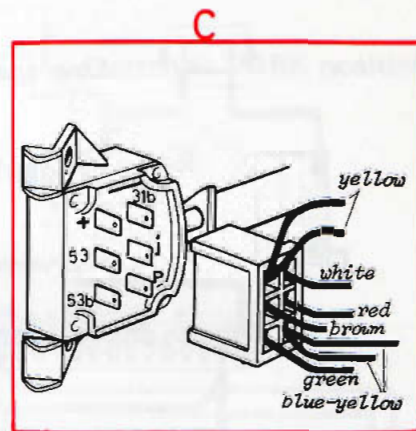
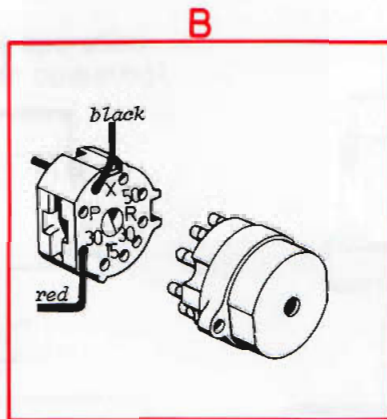
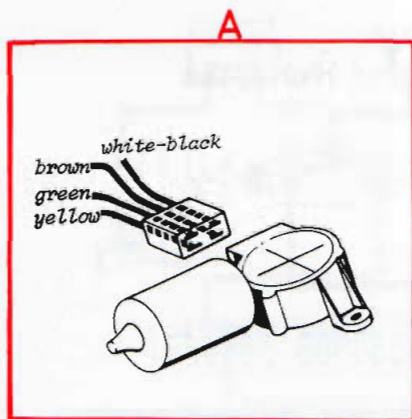


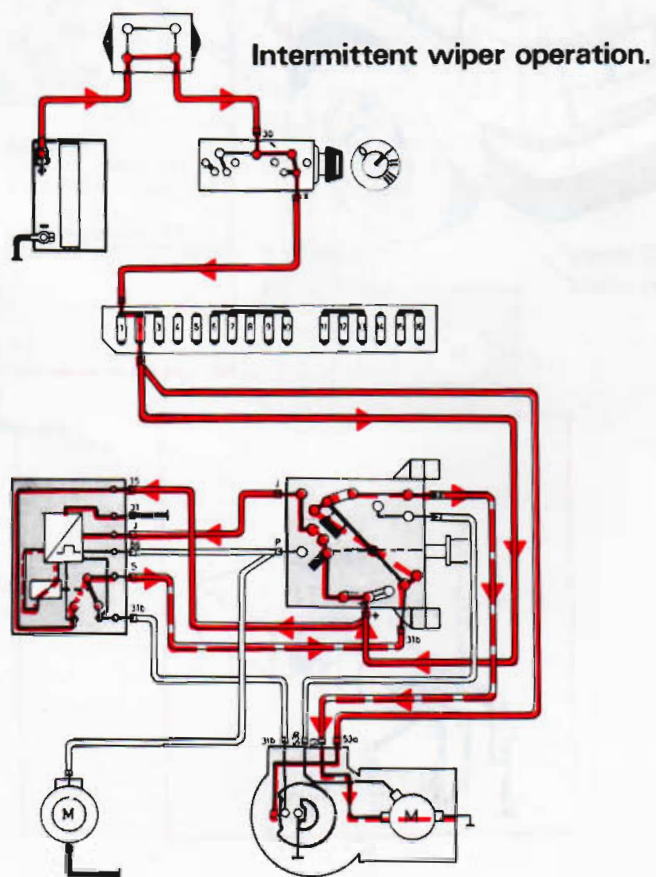
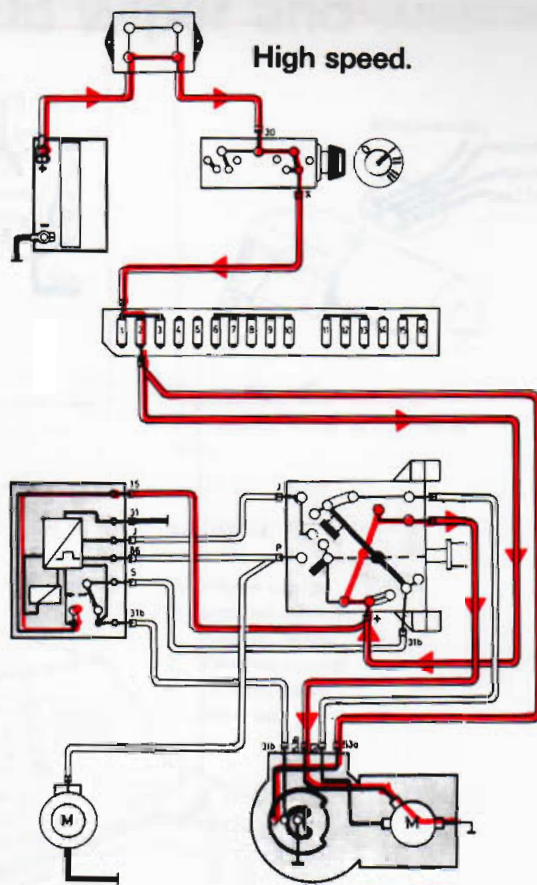
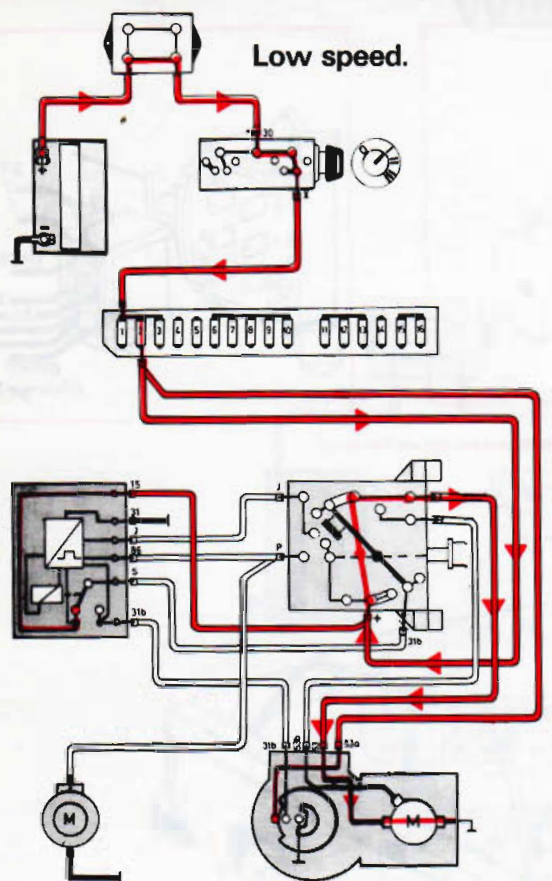
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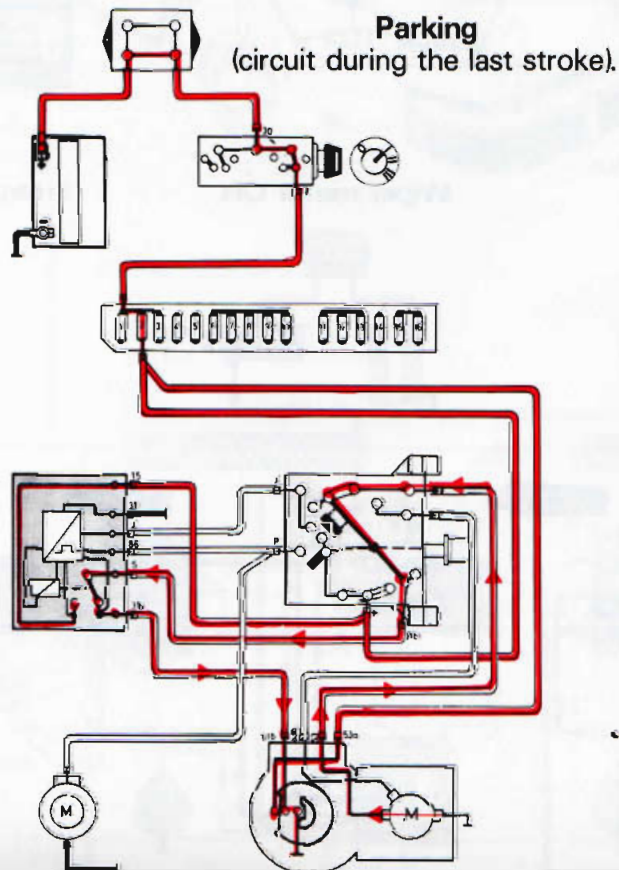
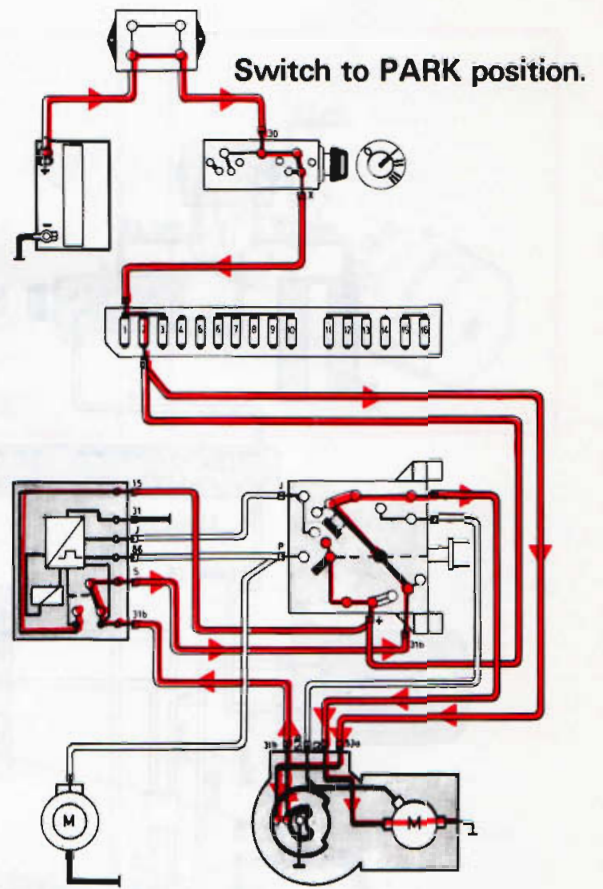
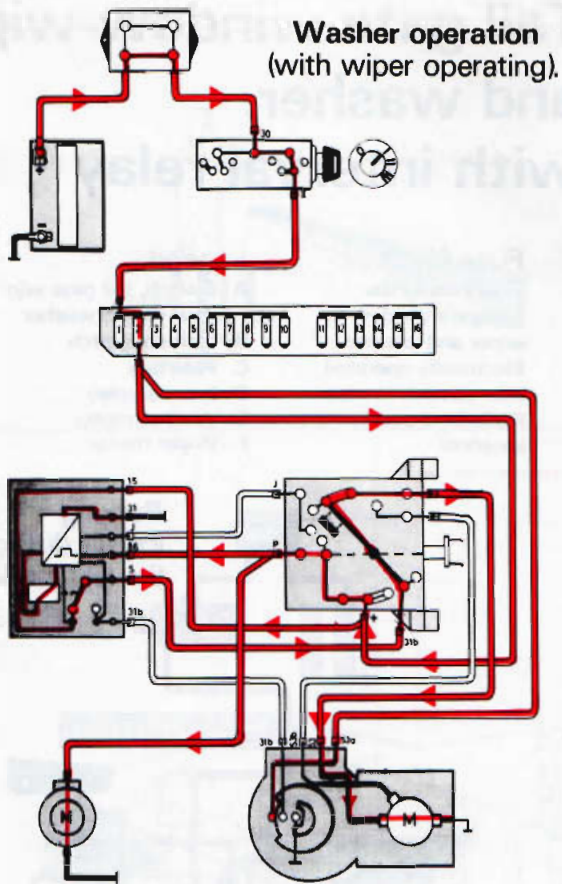


Windshield wiper and washer

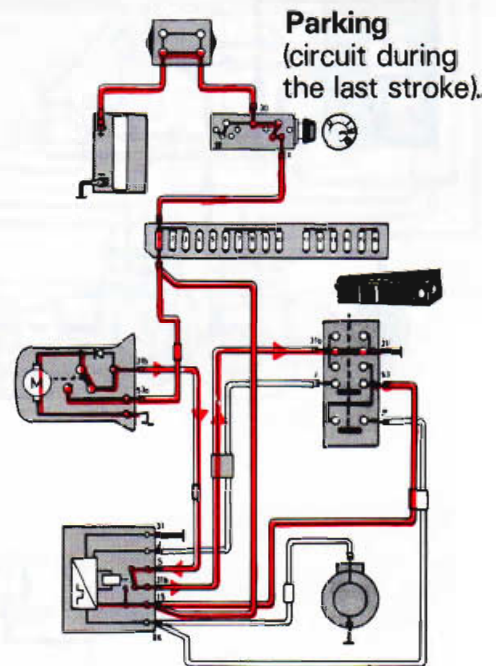
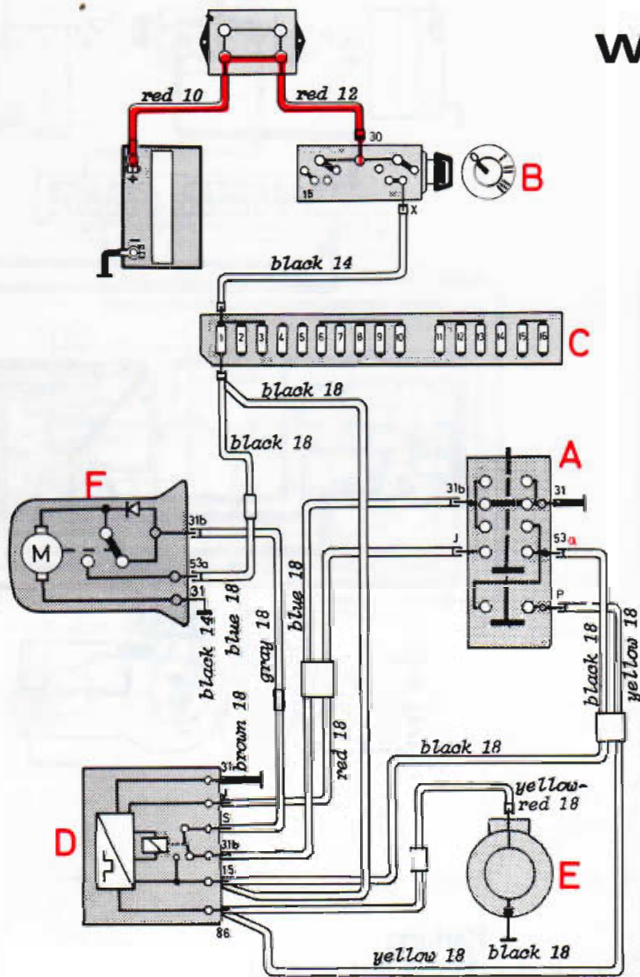




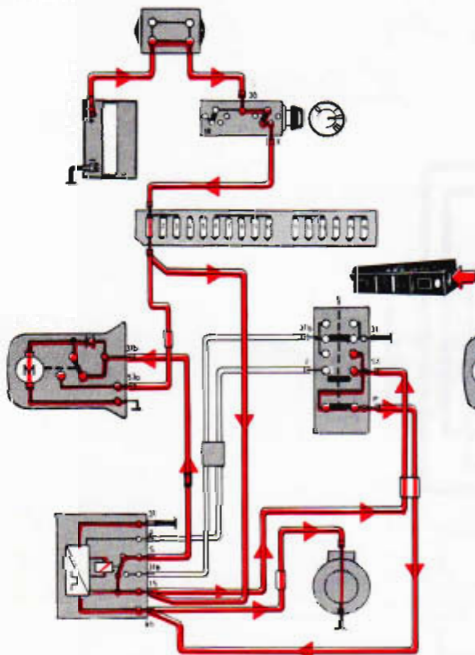




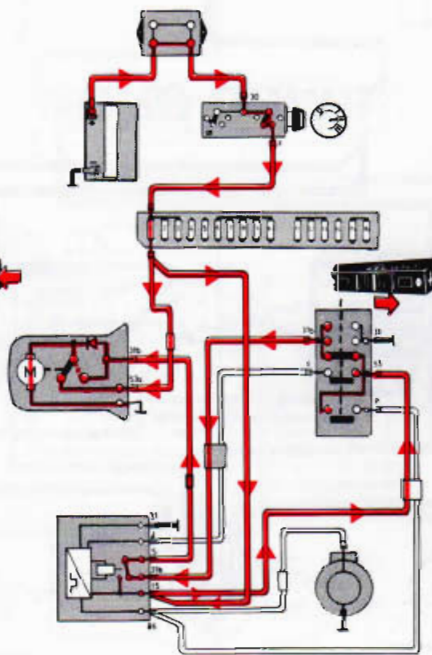
Tail gate window wiper and washer, with interval relay



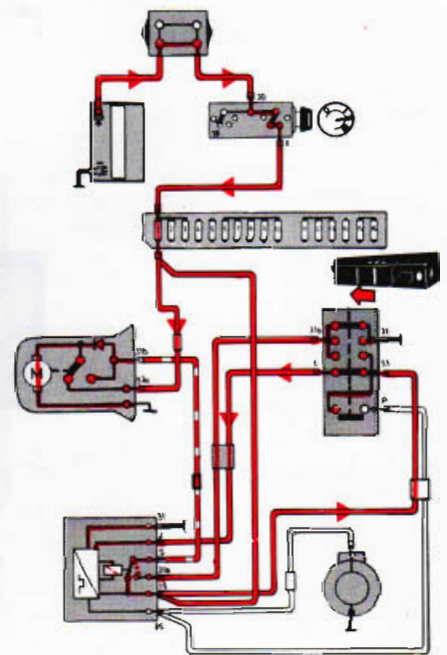
Washer ON. Wiper motor makes a few strokes.



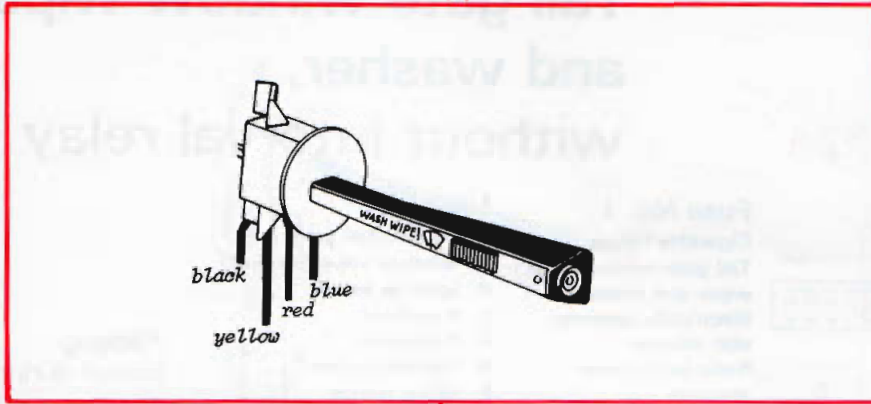
Wiper motor ON.



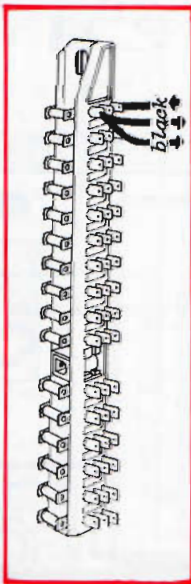
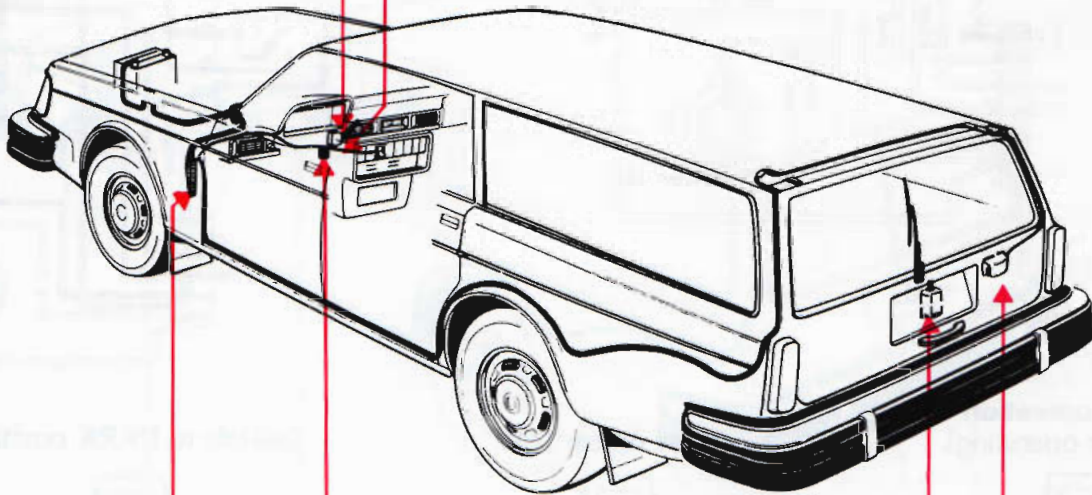
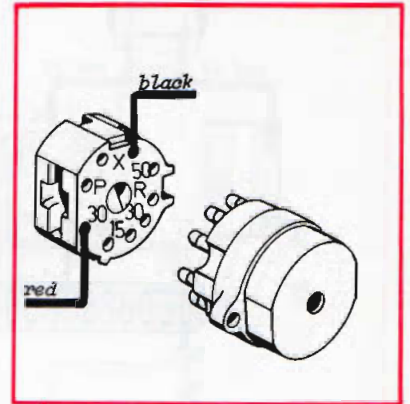
Intermittent wiper operation.



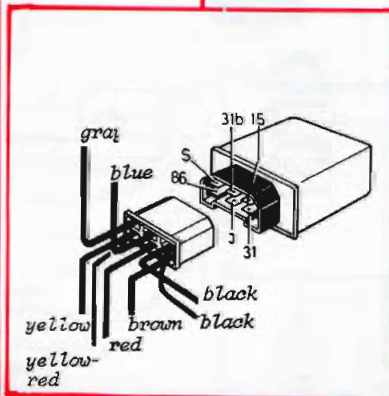
A



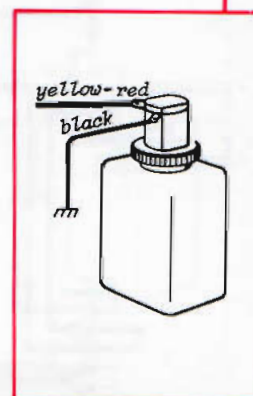
B



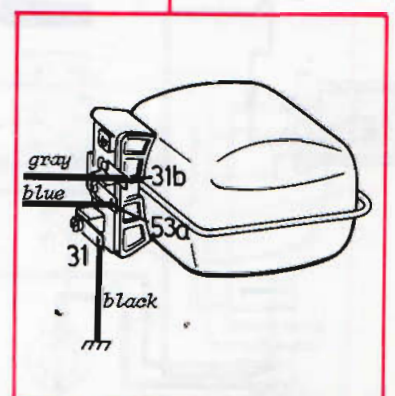
C



D

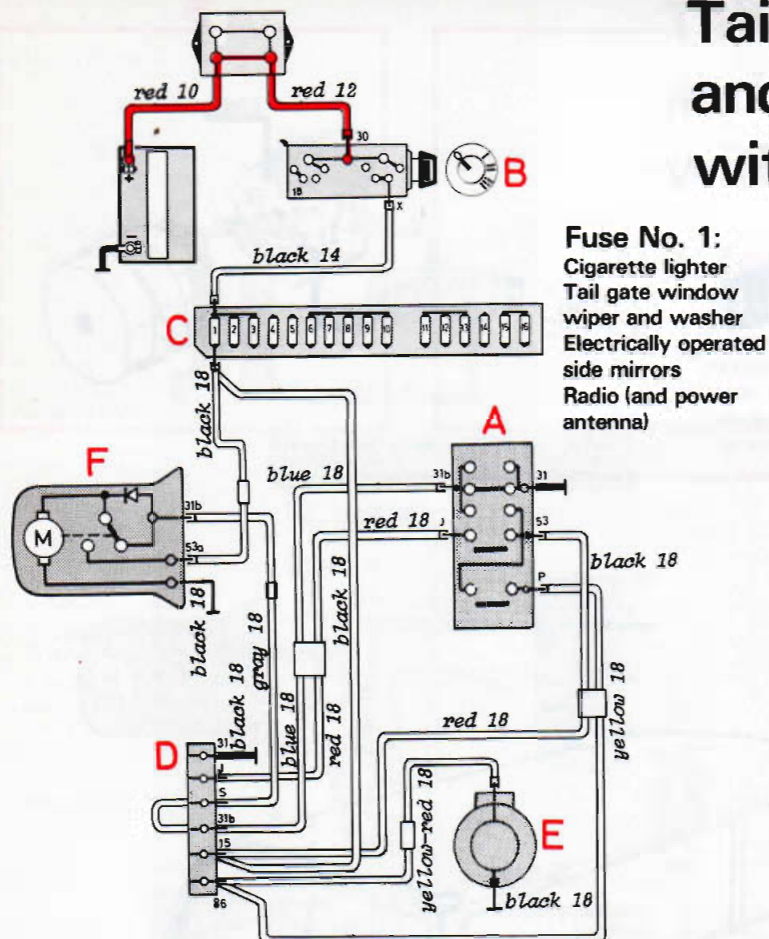


E



F

Tail gate window wiper and washer, without interval relay

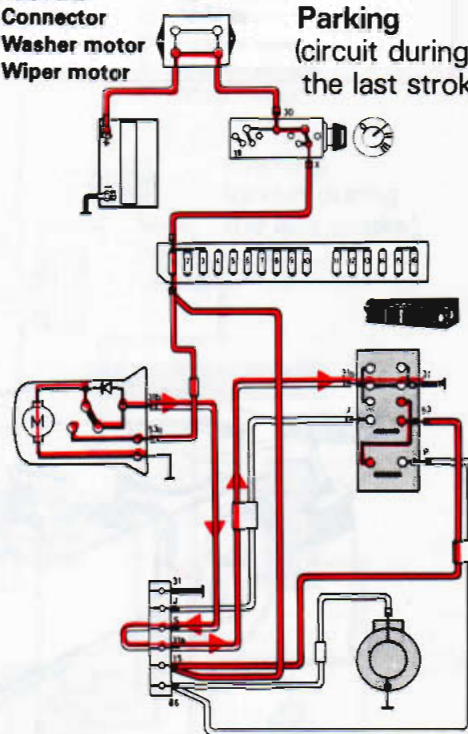


Fuse No. 1:
Cigarette lighter
Tail gate window
wiper and washer
Electrically operated
side mirrors
Radio (and power
antenna)

Legend:

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

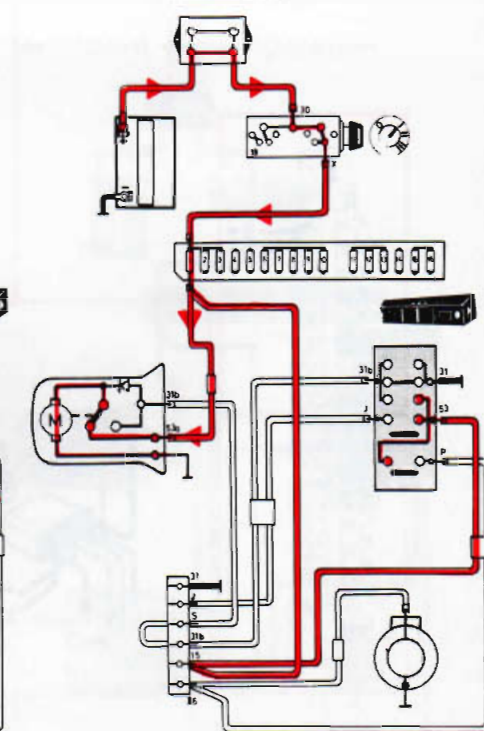
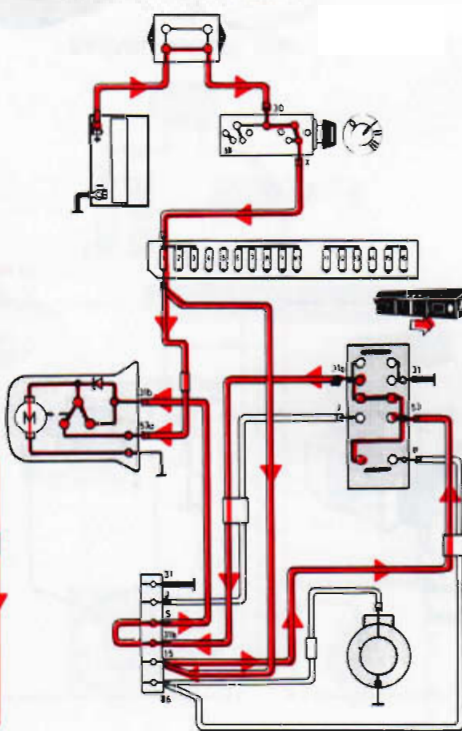
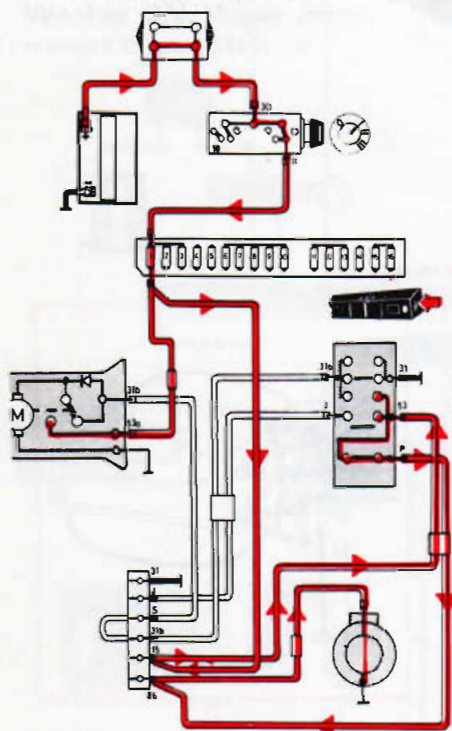
Parking
(circuit during
the last stroke).



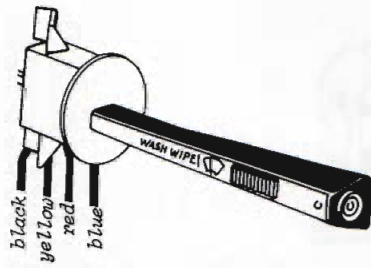
Washer operation
(with wiper operating).

Wiper motor ON.

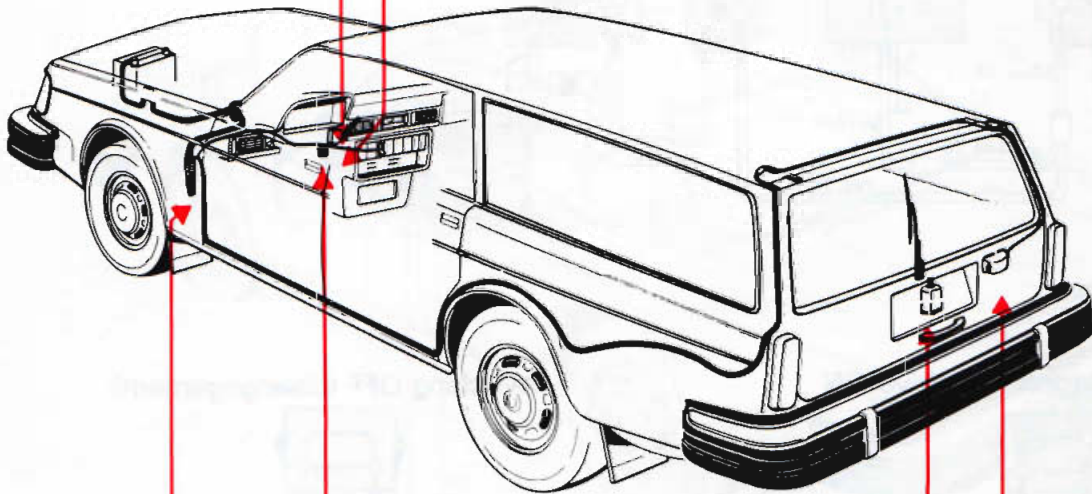
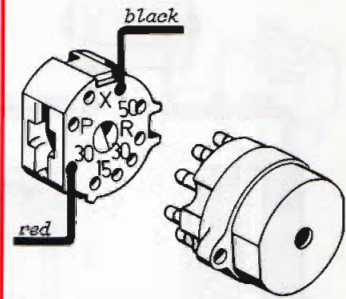
Switch to PARK position.



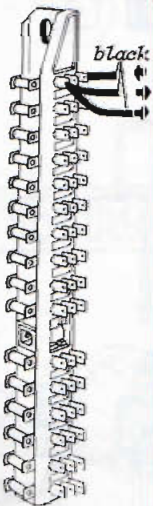
A



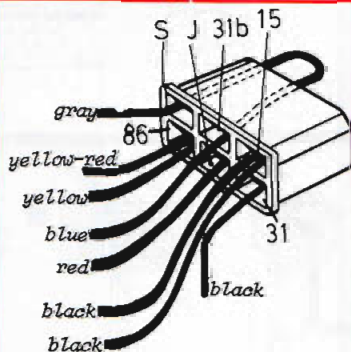
B



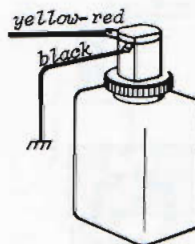
C



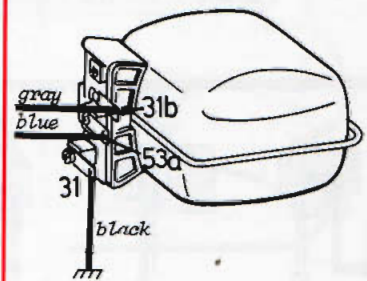
D



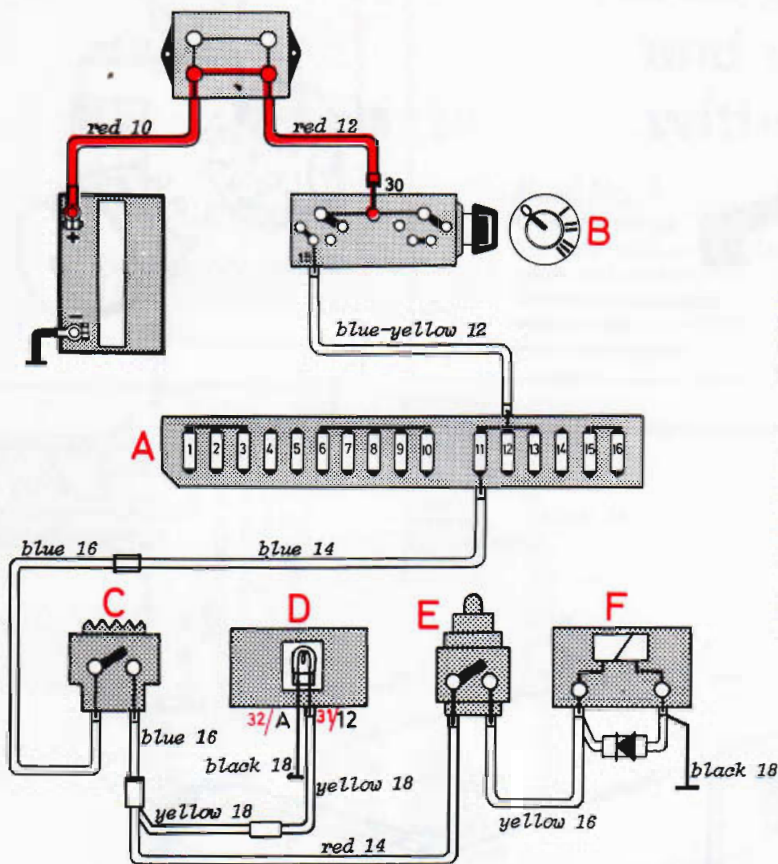
E



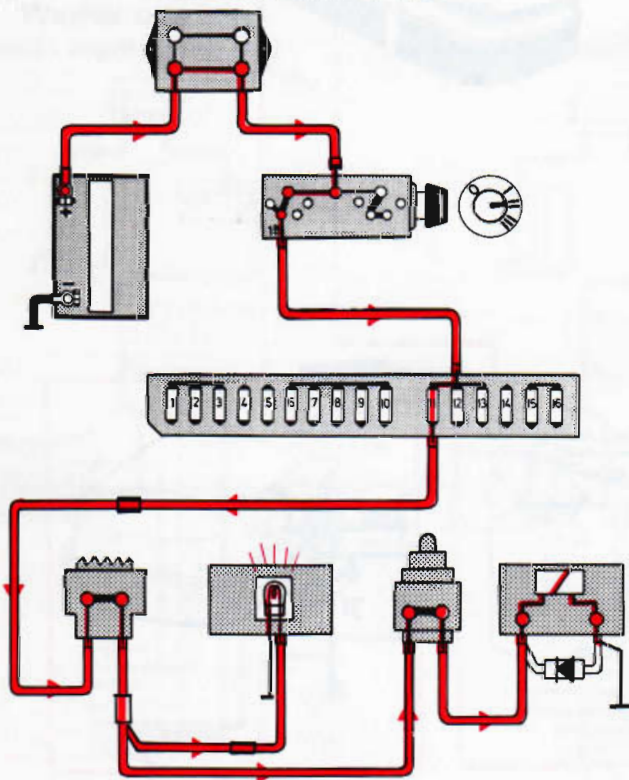
F



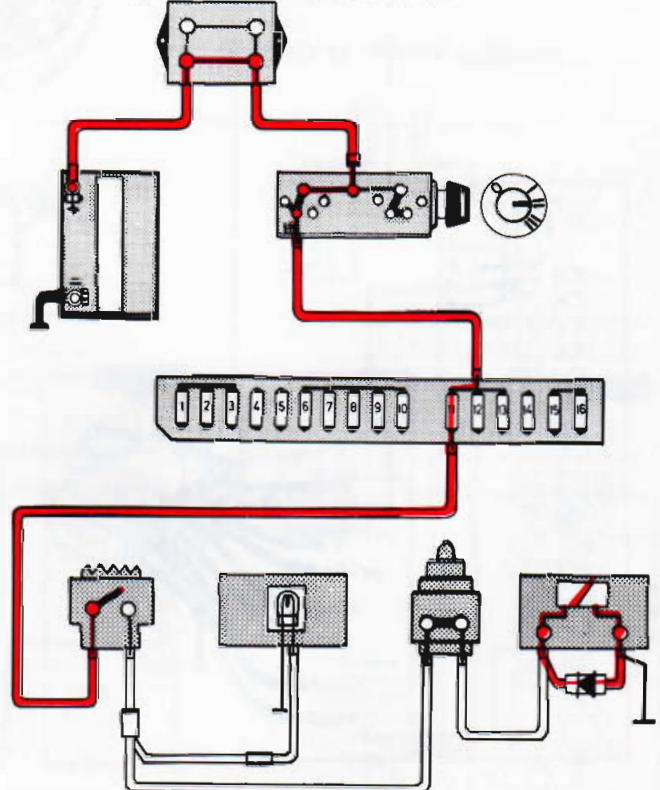
Overdrive

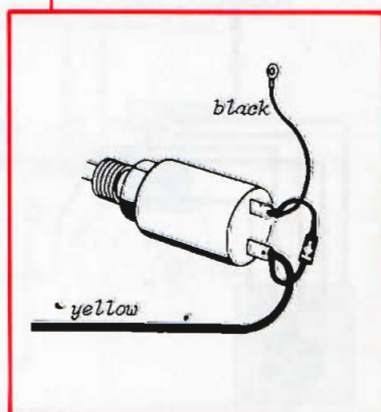
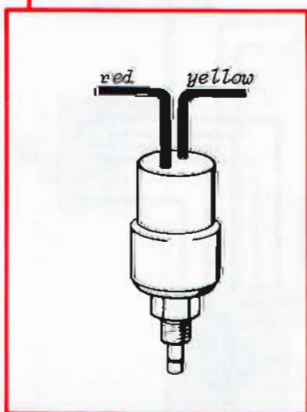
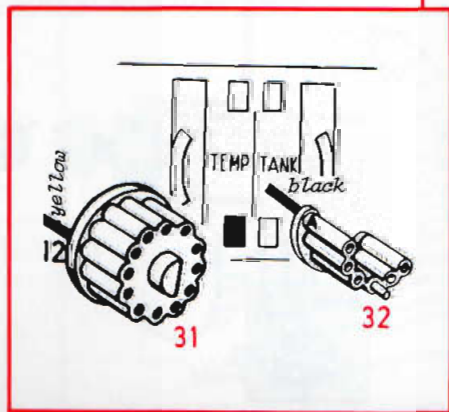
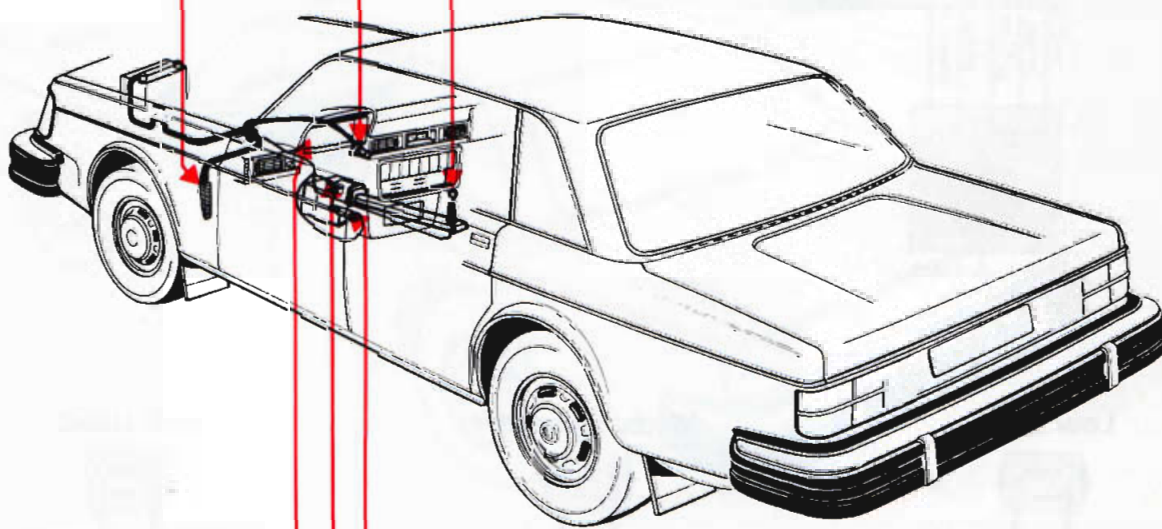
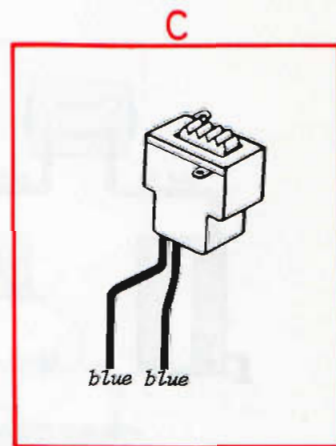
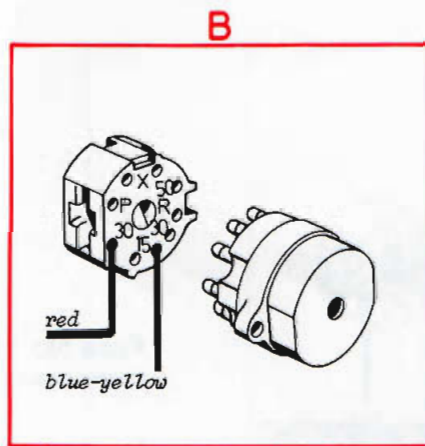
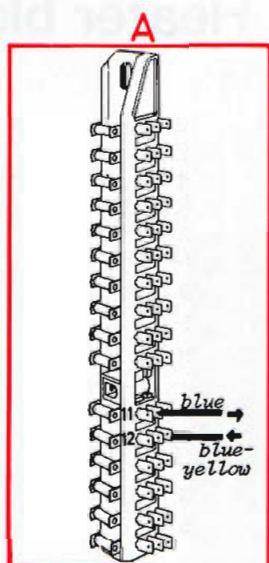


4th gear engaged, overdrive ON

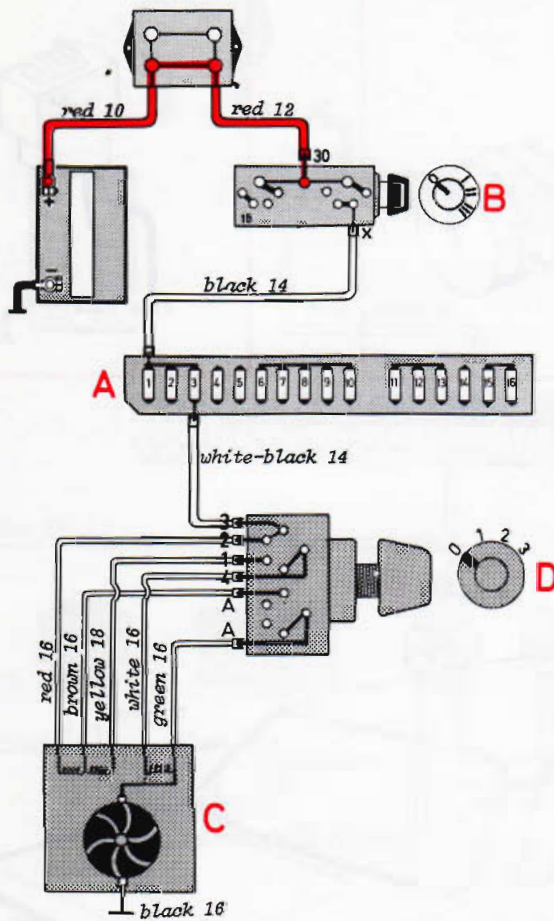


Switching OFF (disengagement)





Heater blower

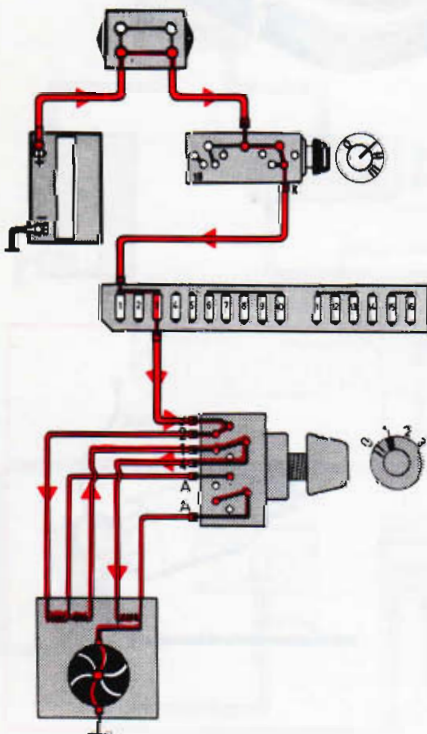


Fuse No 13:
Heater blower

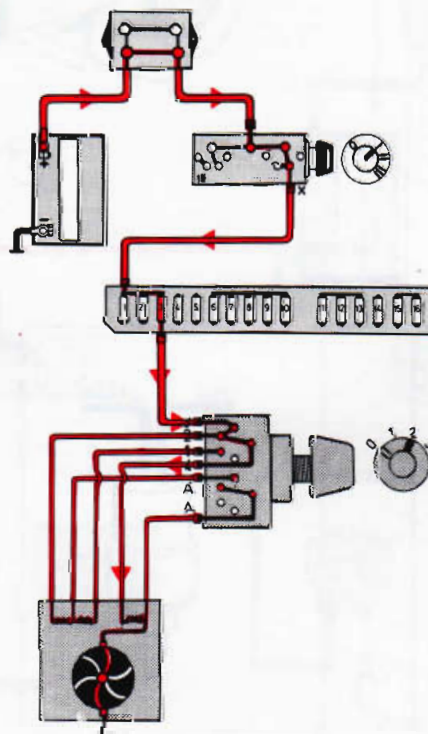
Legend:

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

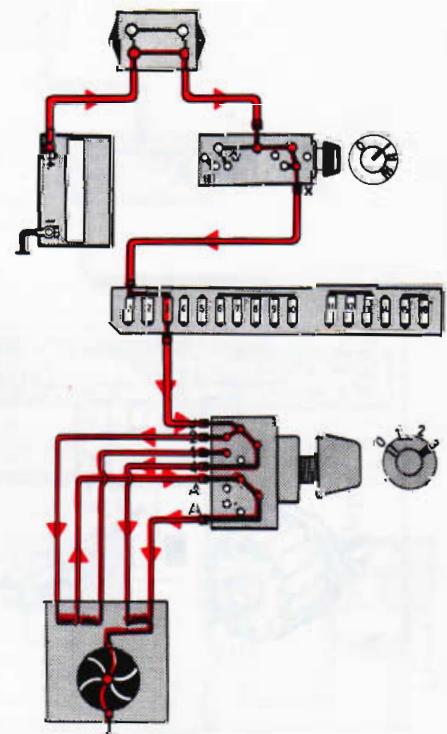
Low speed

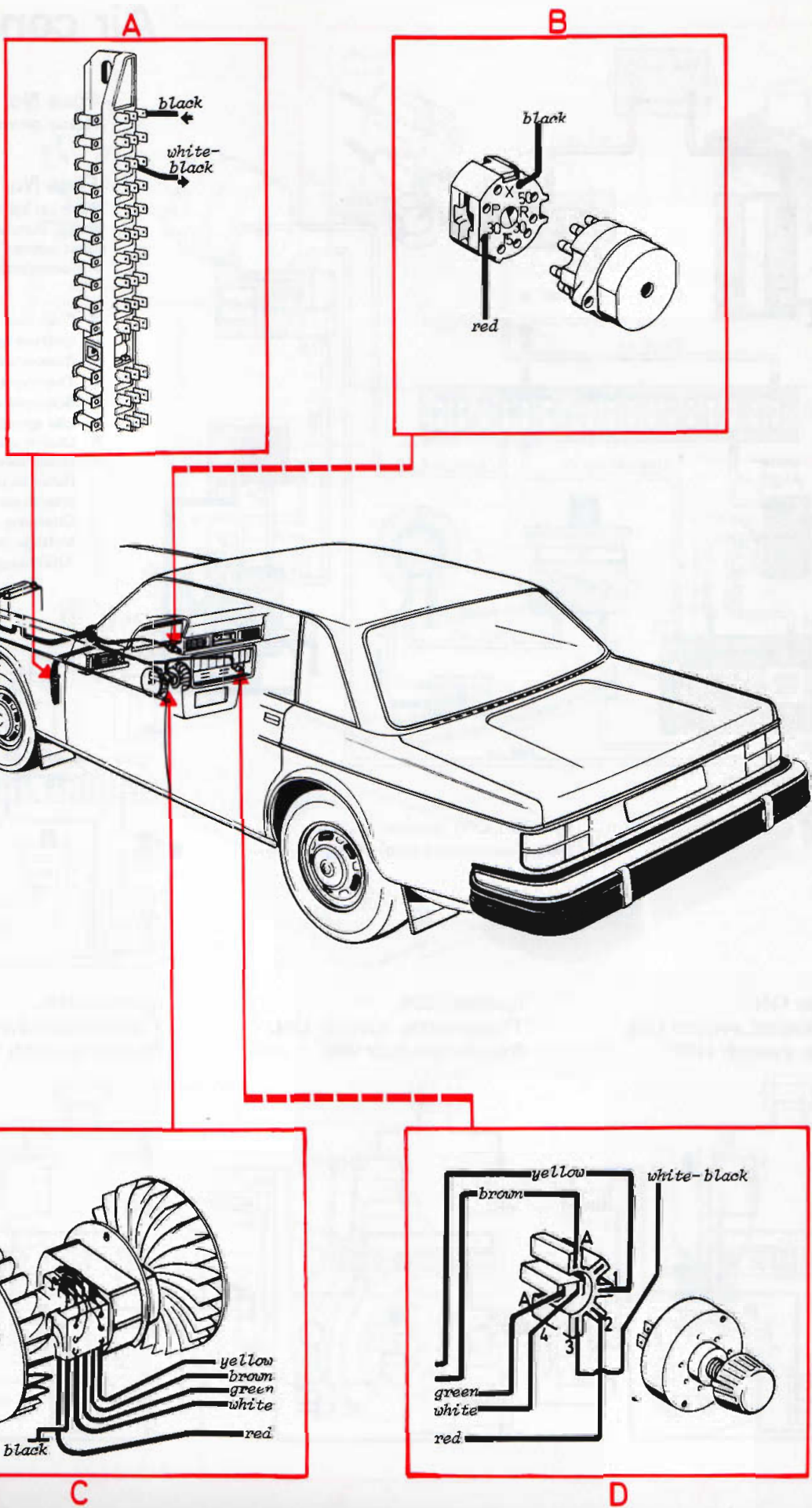


Medium speed

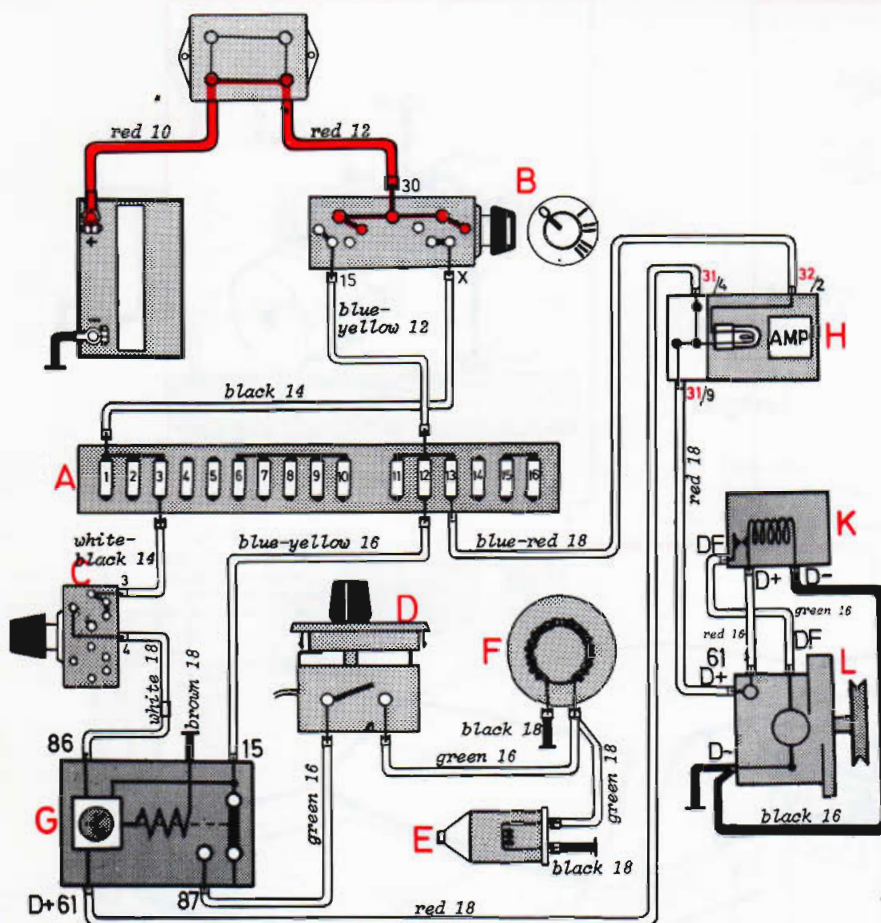


High speed





Air conditioning

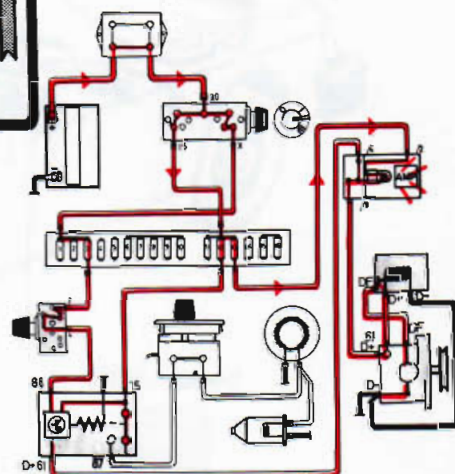


Fuse No. 3:
Heater blower

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

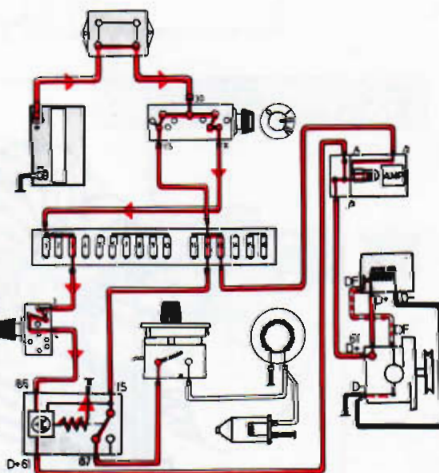
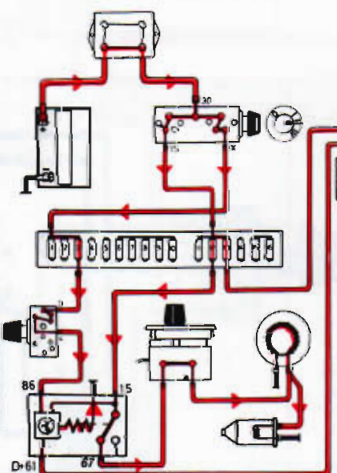
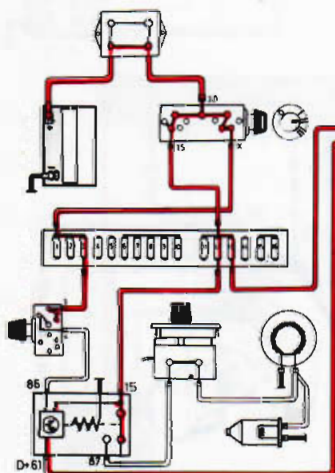
Ignition ON, engine stalled.
(Alternator not charging).

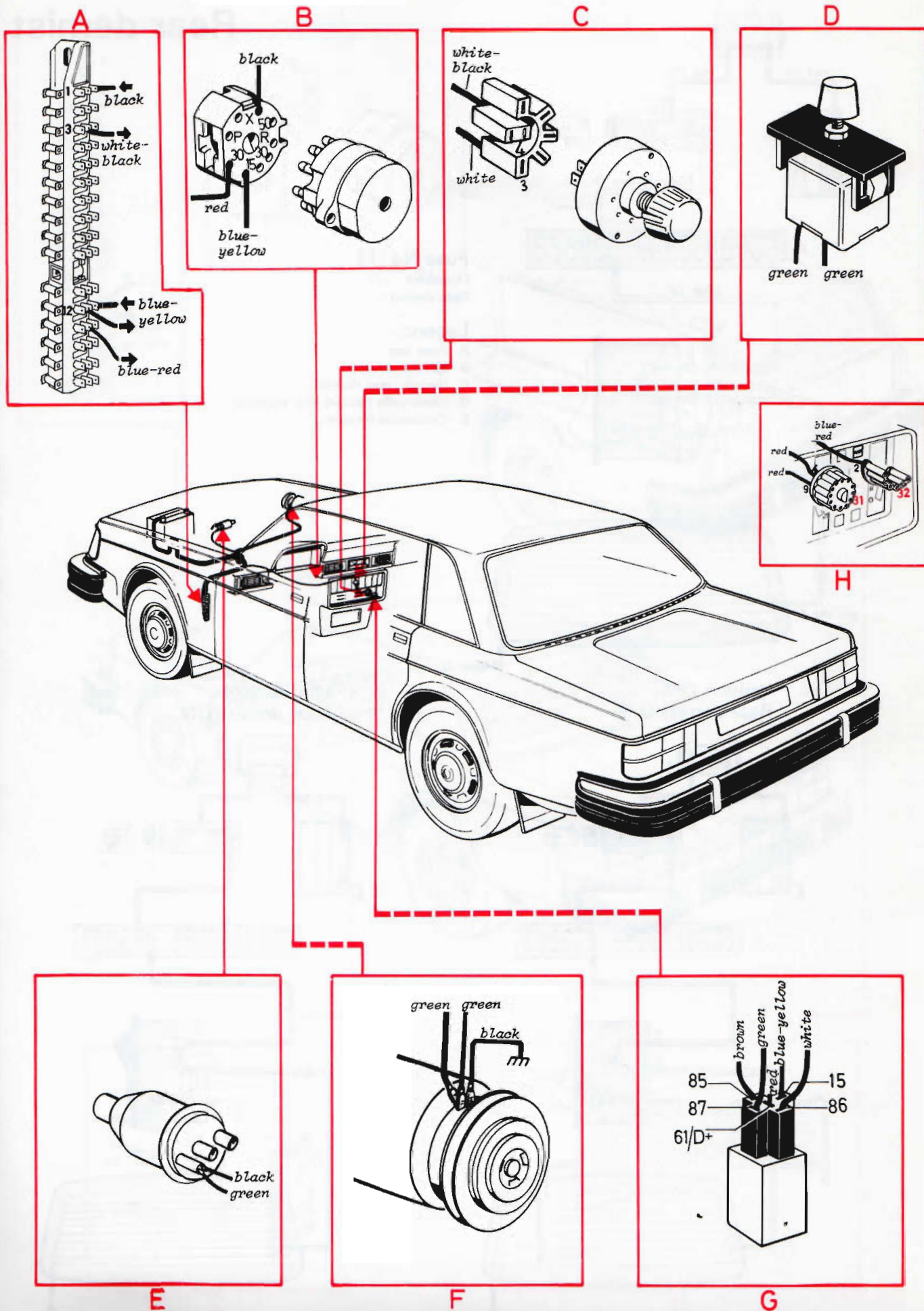


Ignition ON.
Thermostat switch ON.
Blower switch OFF.

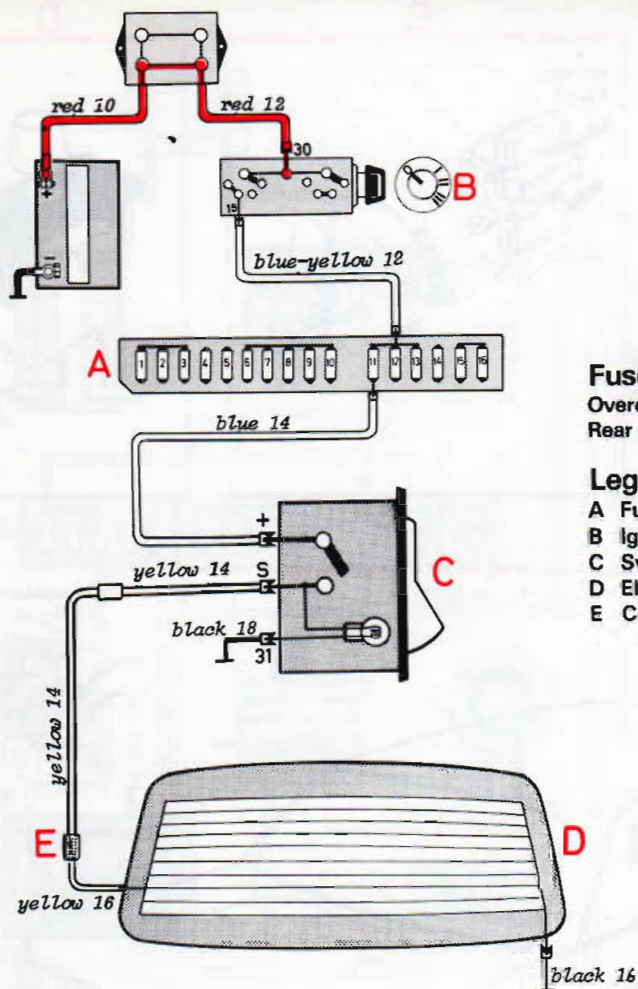
Ignition ON.
Thermostat switch ON.
Blower switch ON.

Ignition ON.
Thermostat switch OFF.
Blower switch ON.





Rear demist

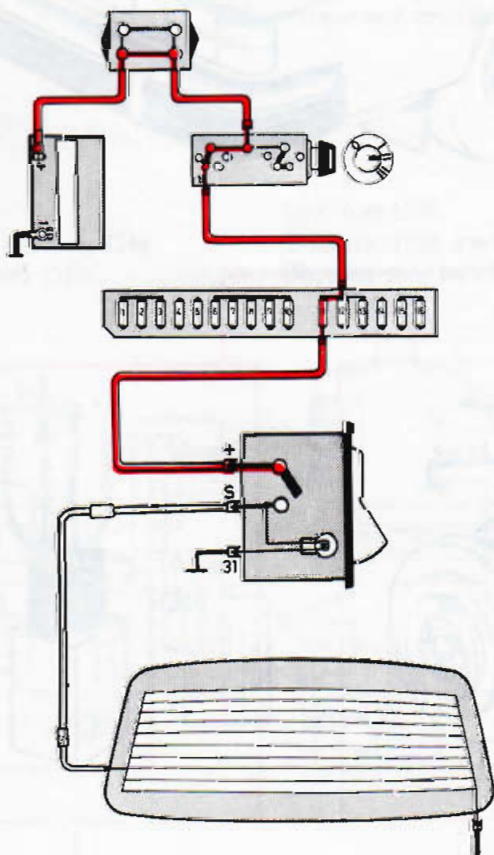


Fuse No. 11:
Overdrive
Rear demist

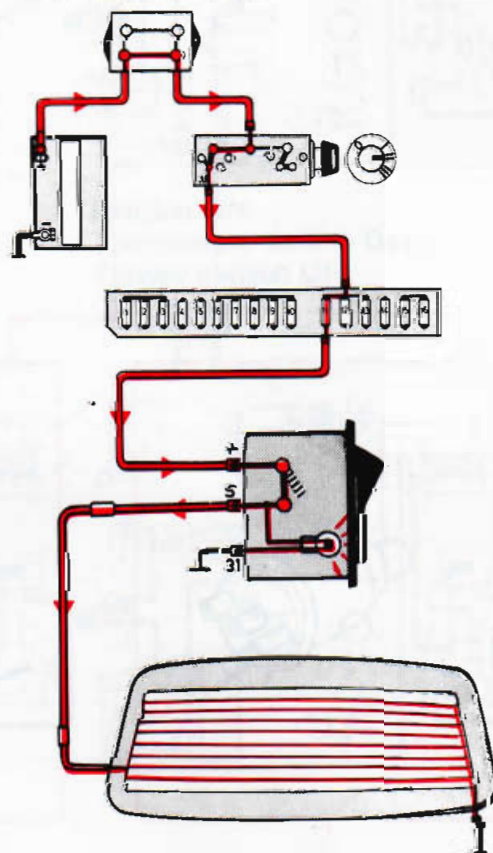
Legend:

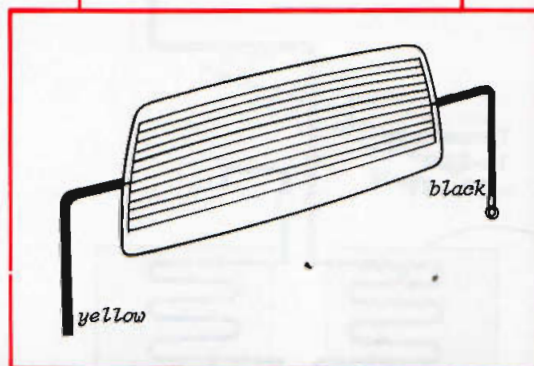
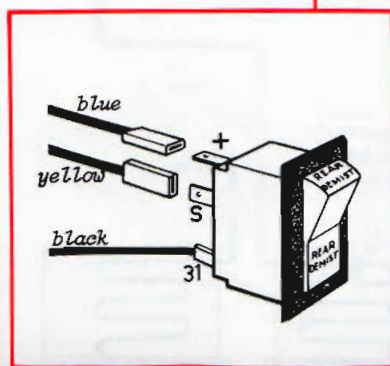
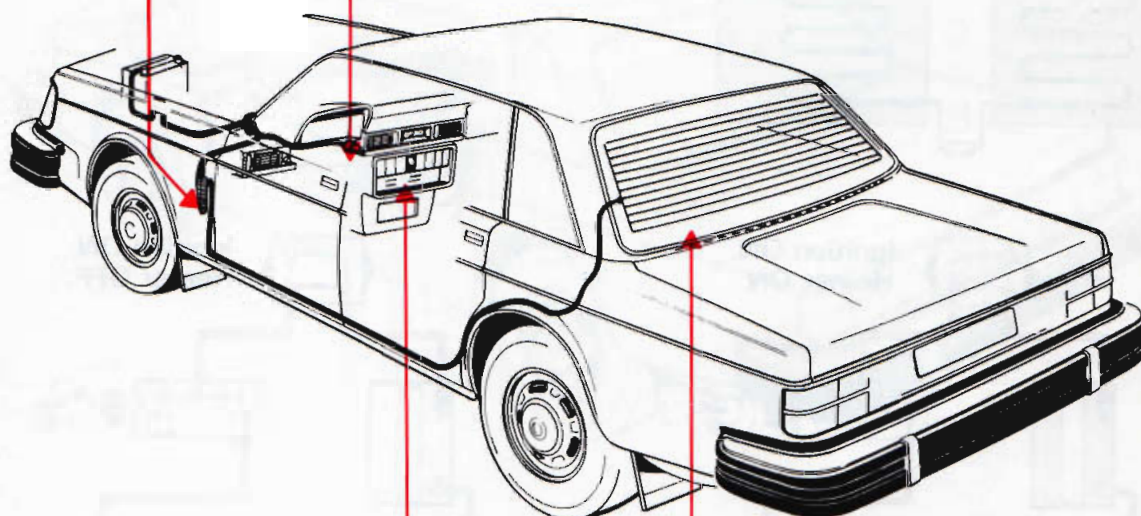
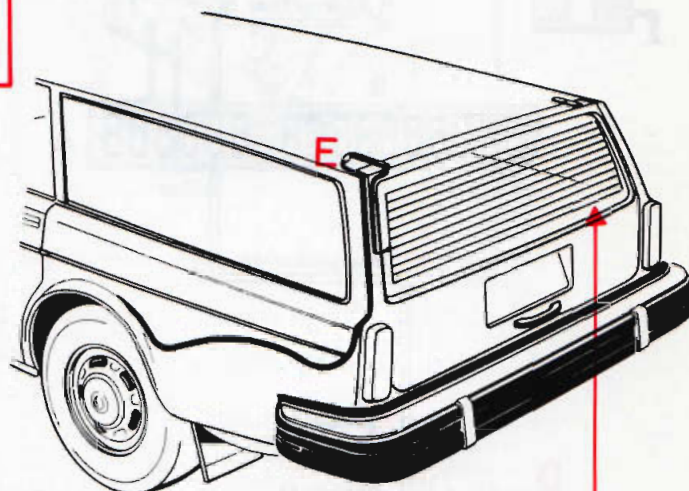
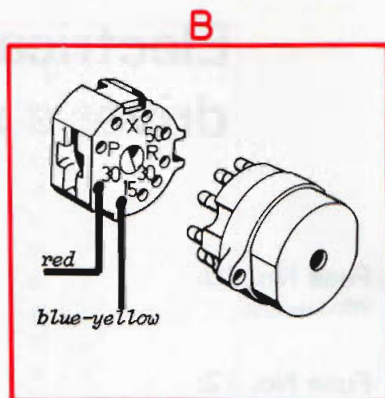
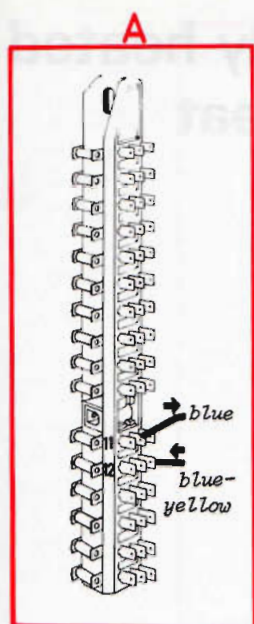
- A Fuse box
- B Ignition switch
- C Switch, rear demist
- D Electrically heated rear window
- E Connector (wagon)

**Ignition ON.
Rear demist OFF.**

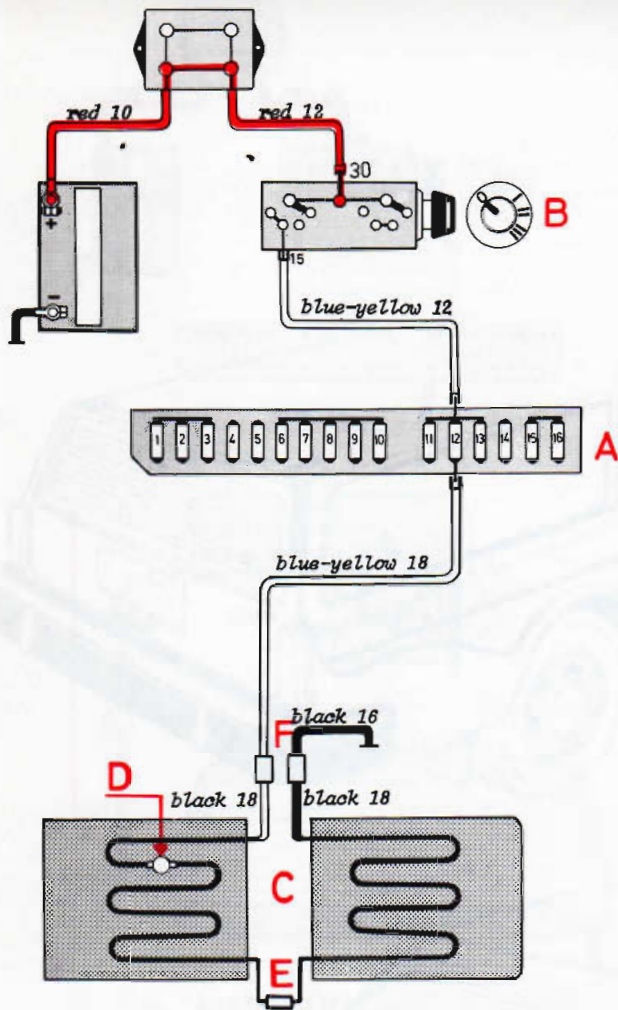


**Ignition ON.
Rear demist ON.**





Electrically heated driver's seat

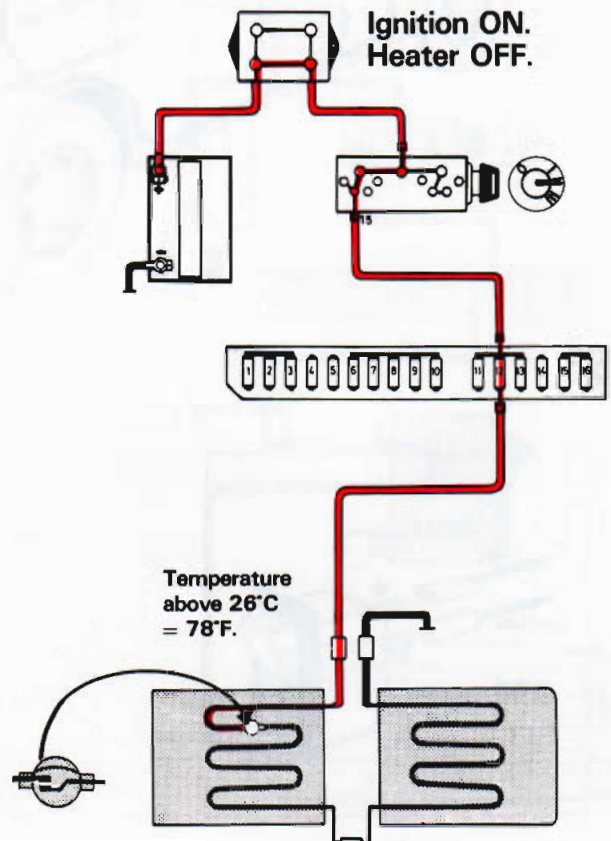
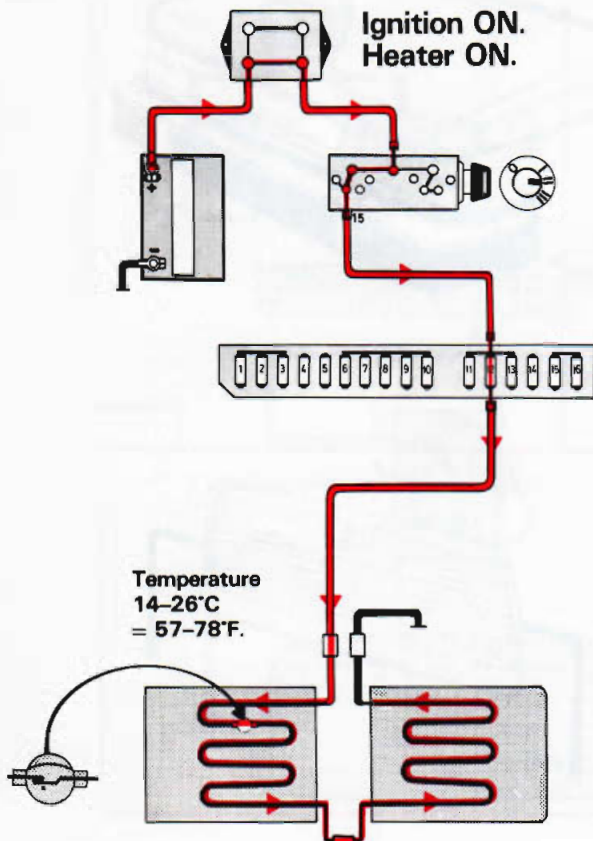


Fuse No. 10:
Window lifts

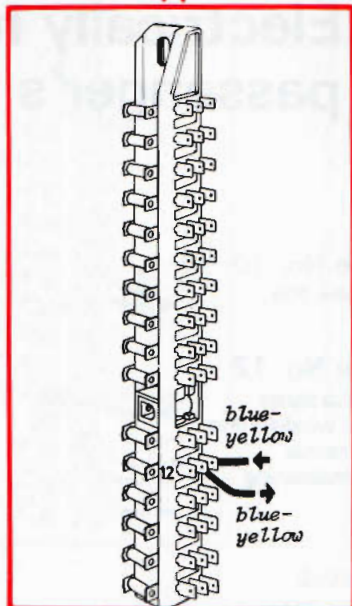
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

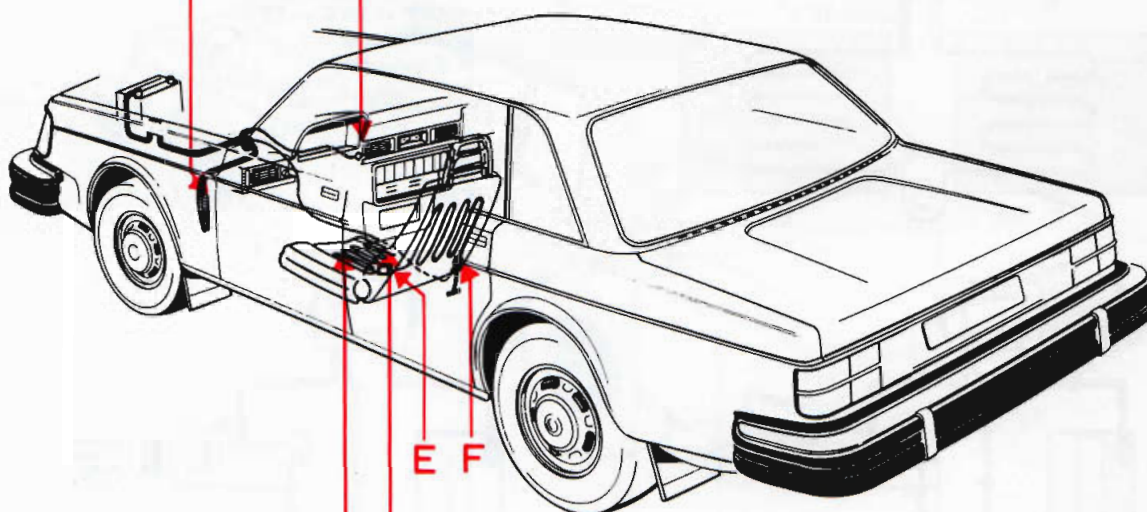
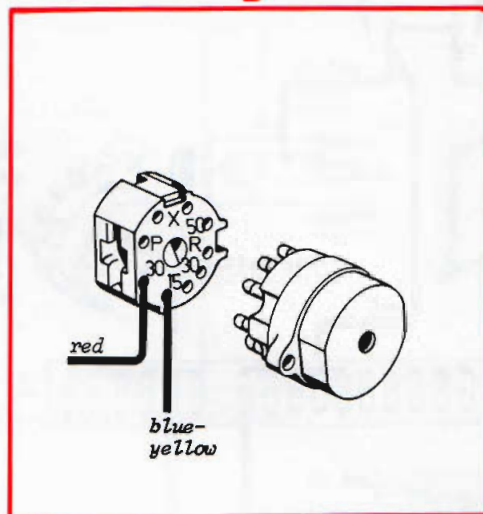
- A Fuse box
- B Ignition switch
- C Heater pad
- D Thermostat
- ON at 14°C = 57°F
- OFF at 26°C = 78°F
- E Connector
- F Connector



A

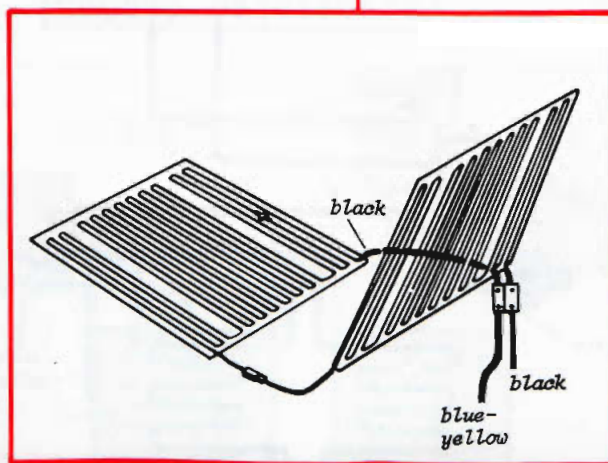


B

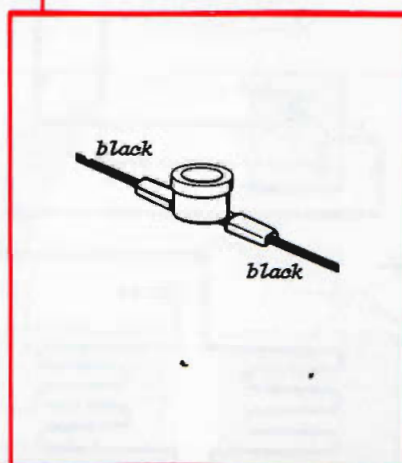


E F

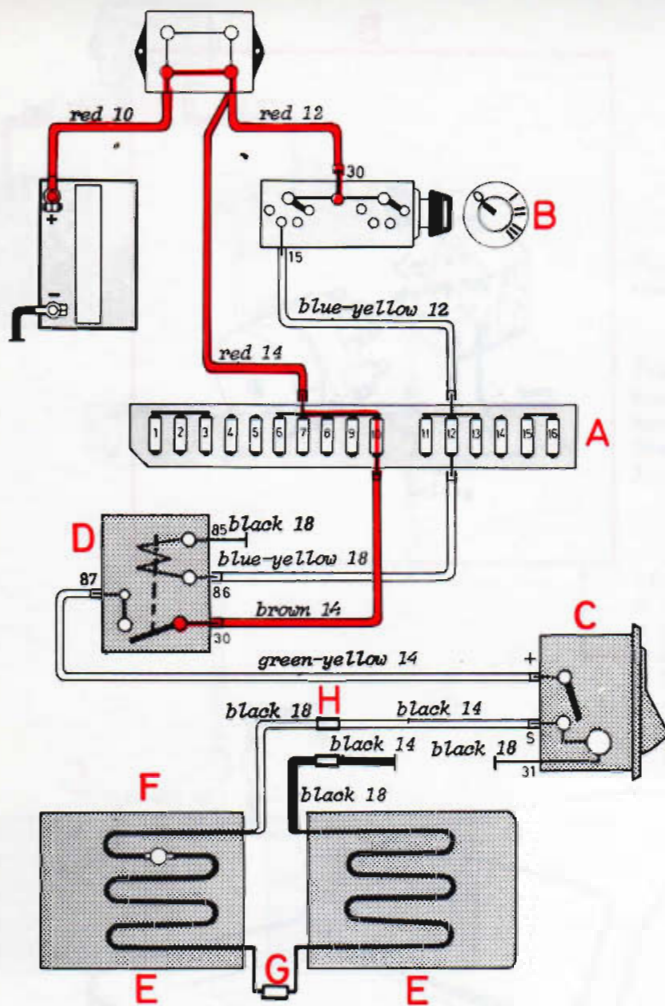
C



D



Electrically heated passenger's seat

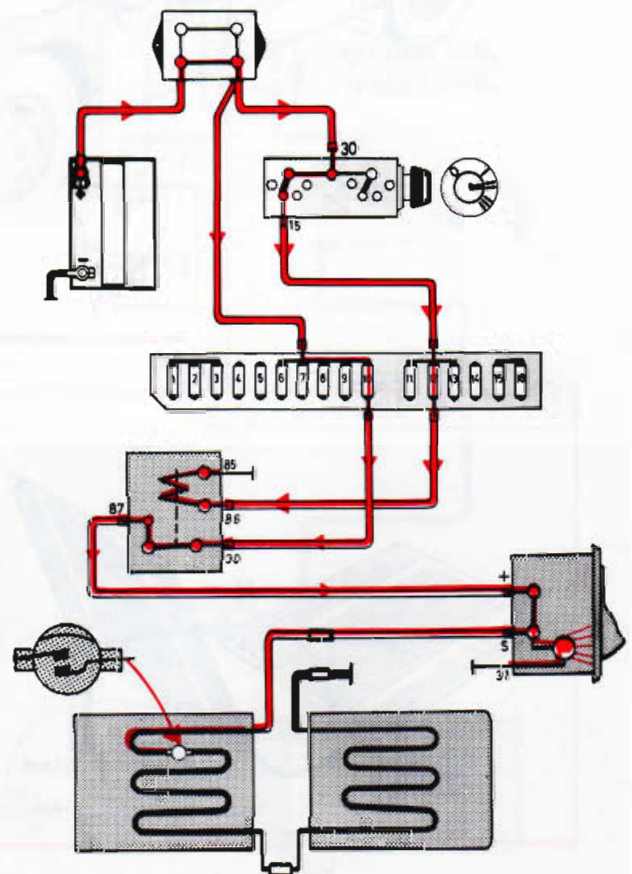
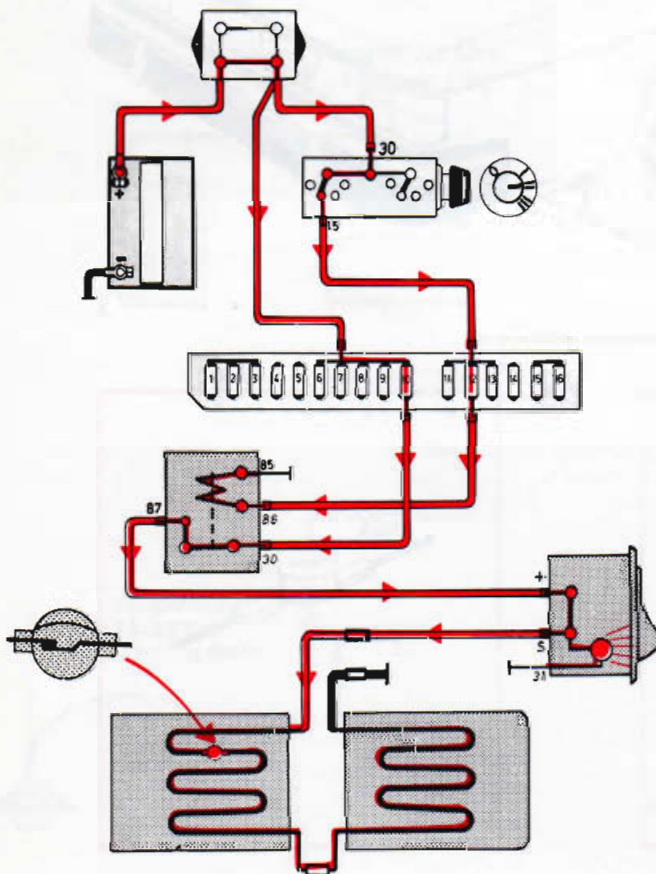


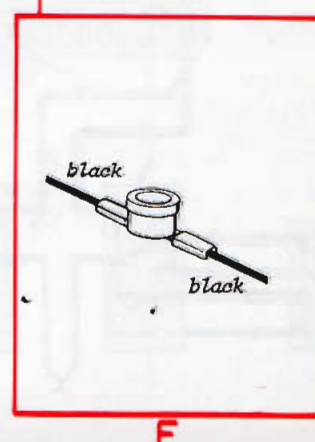
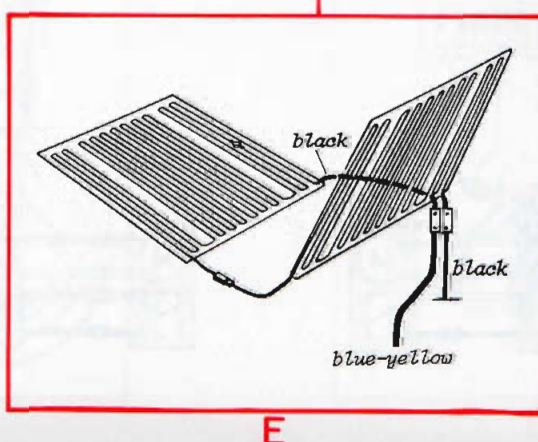
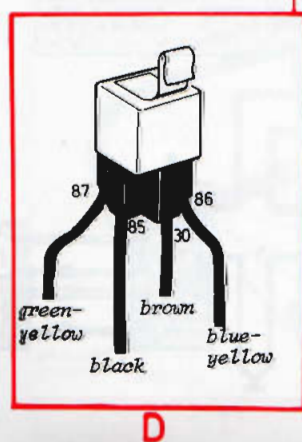
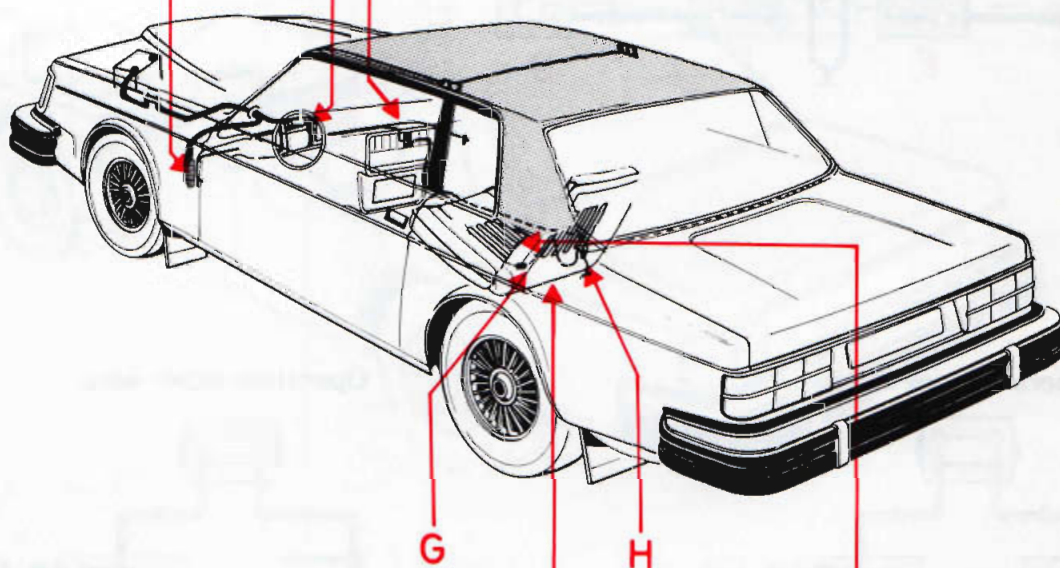
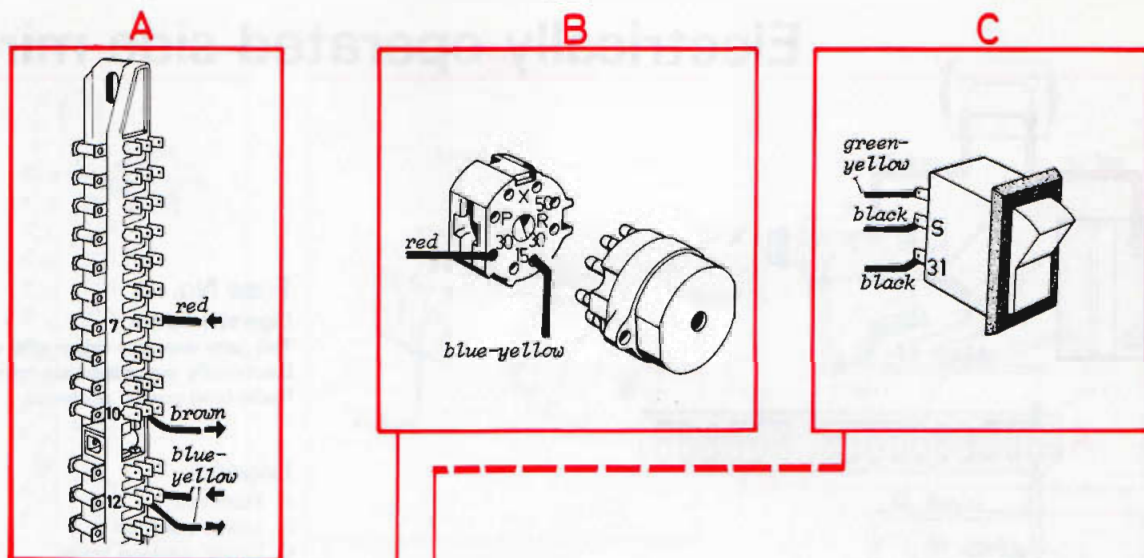
Fuse No. 10:
Window lifts

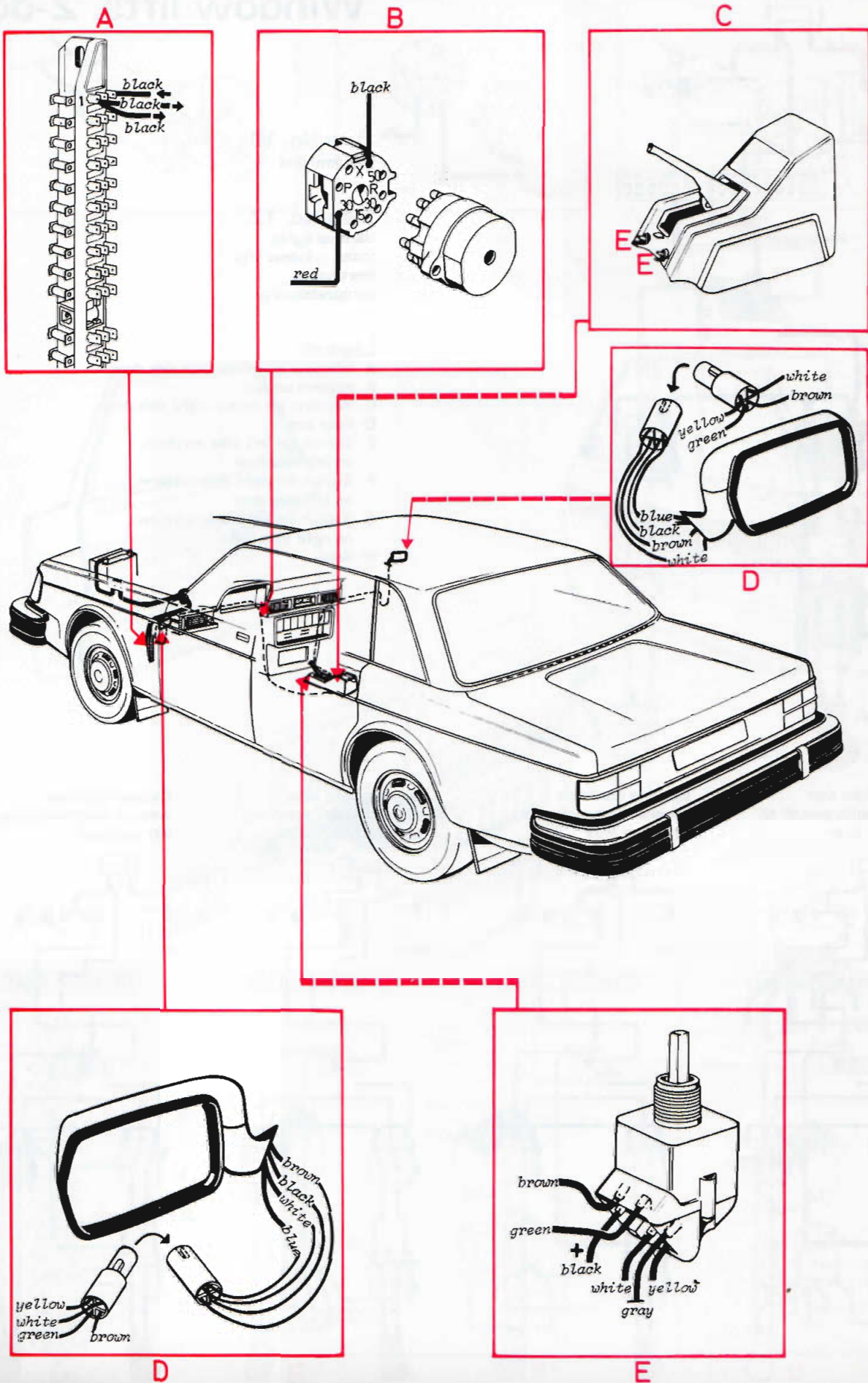
Fuse No. 12:
Back-up lights
Relay, window lifts
Seat heater
Air conditioning

Legend:

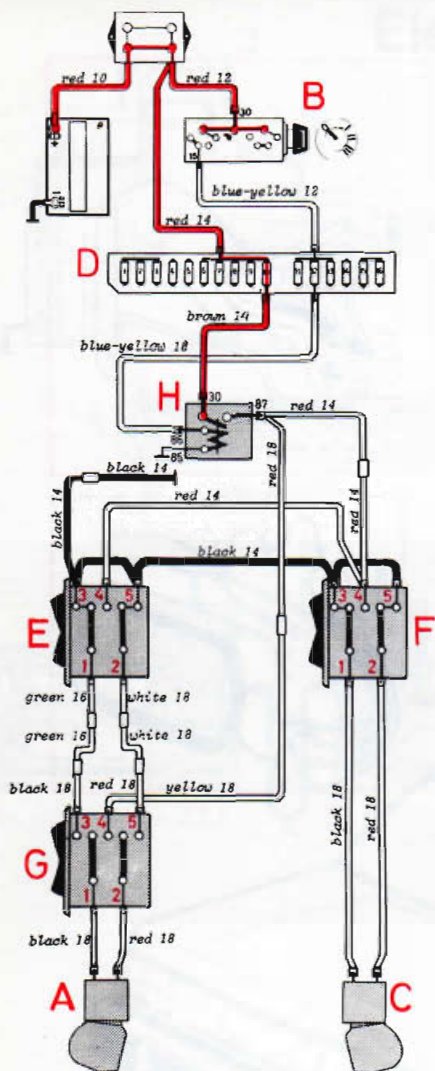
- A Fuse box
- B Ignition switch
- C Switch, seat heater
- D Relay
- E Heater pad
- F Thermostat
- ON at 14°C = 57°F
- OFF at 26°C = 78°F
- G Connector
- H Connector







Window lifts, 2-door



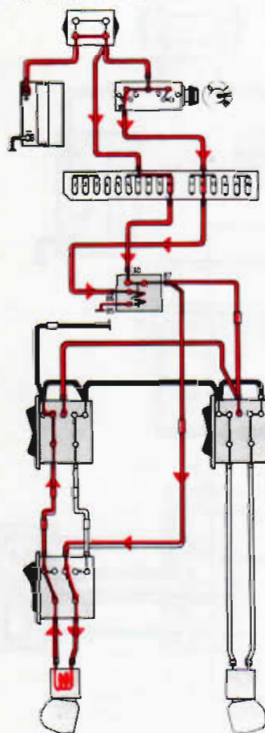
Fuse No. 10:
Window lifts

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

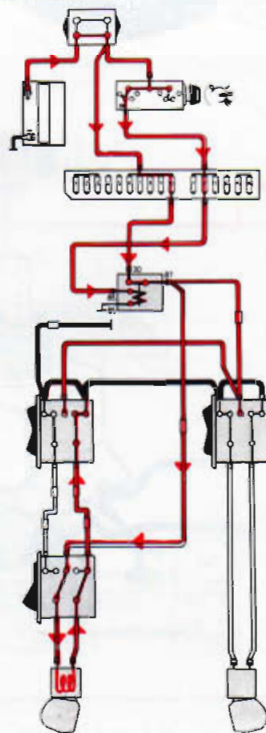
Legend:

- 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

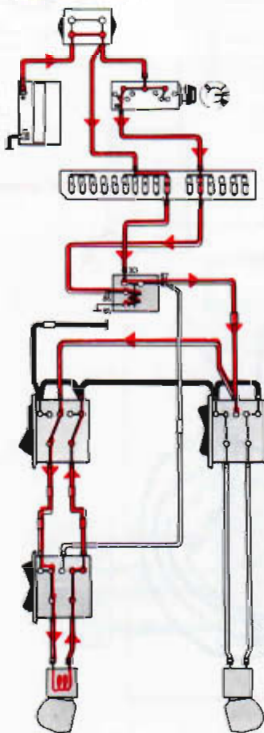
Closing right side window with switch on right side door



Opening right side window with switch on right side door

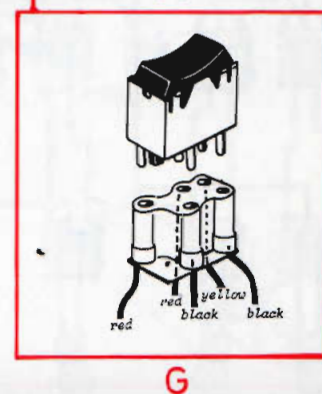
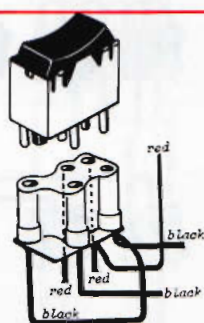
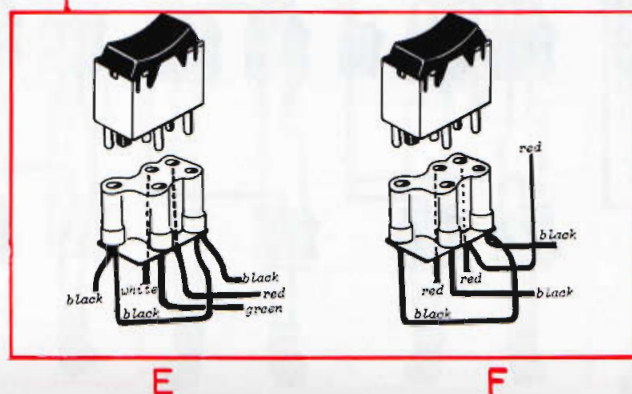
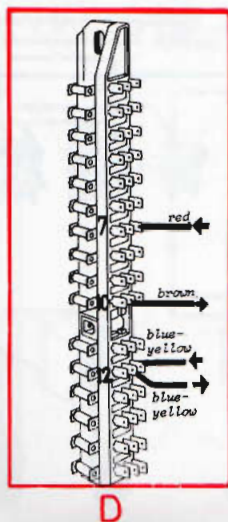
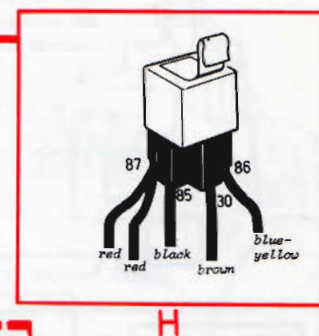
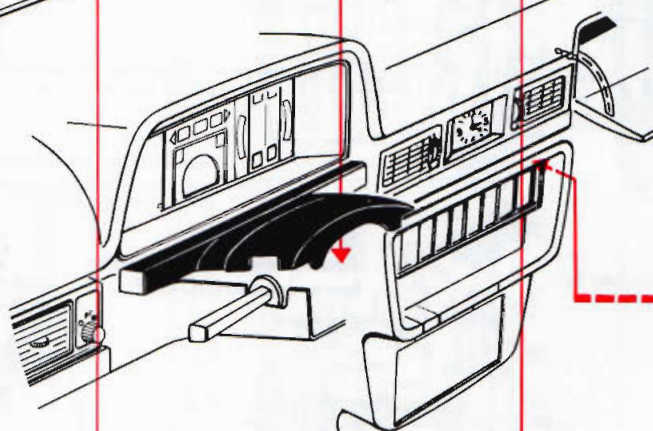
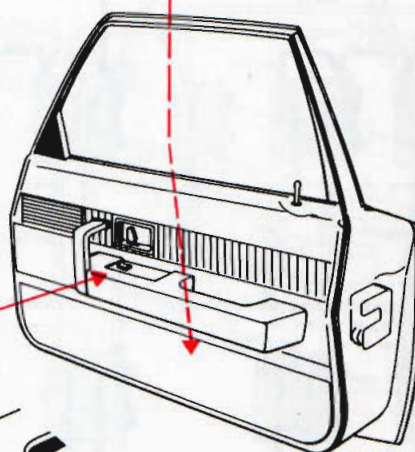
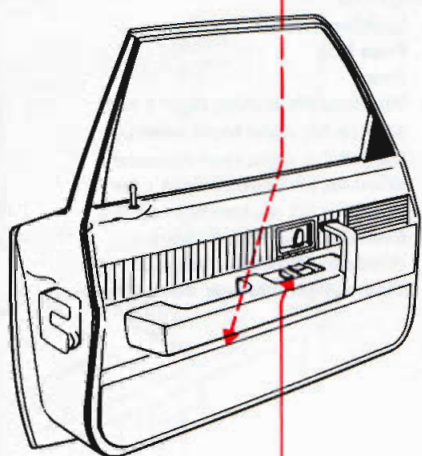
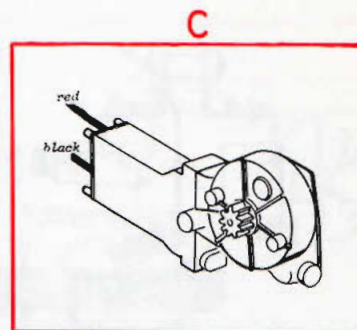
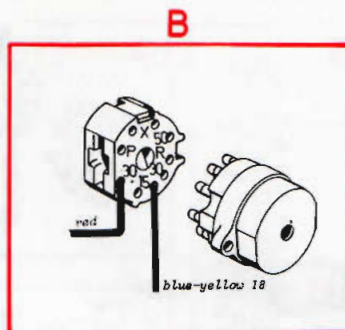
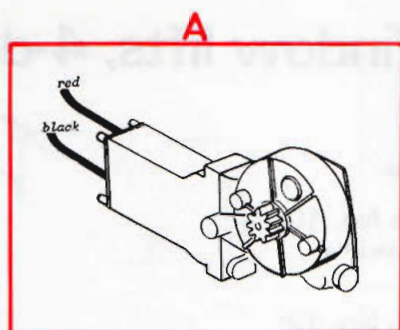


Opening right side window with switch on left side door



Closing right side window with switch on left side door





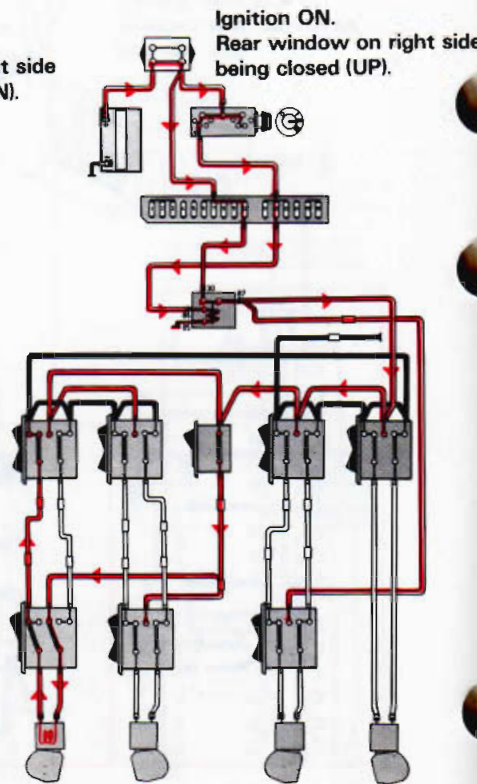
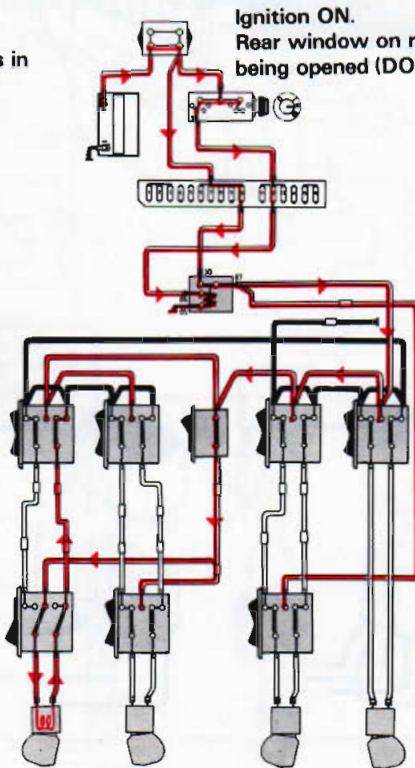
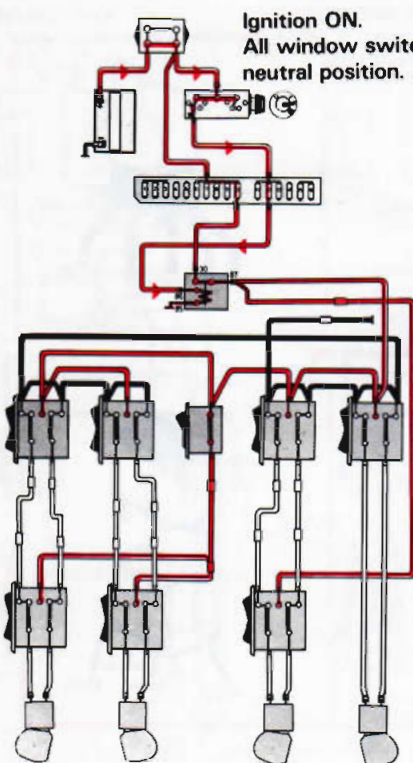
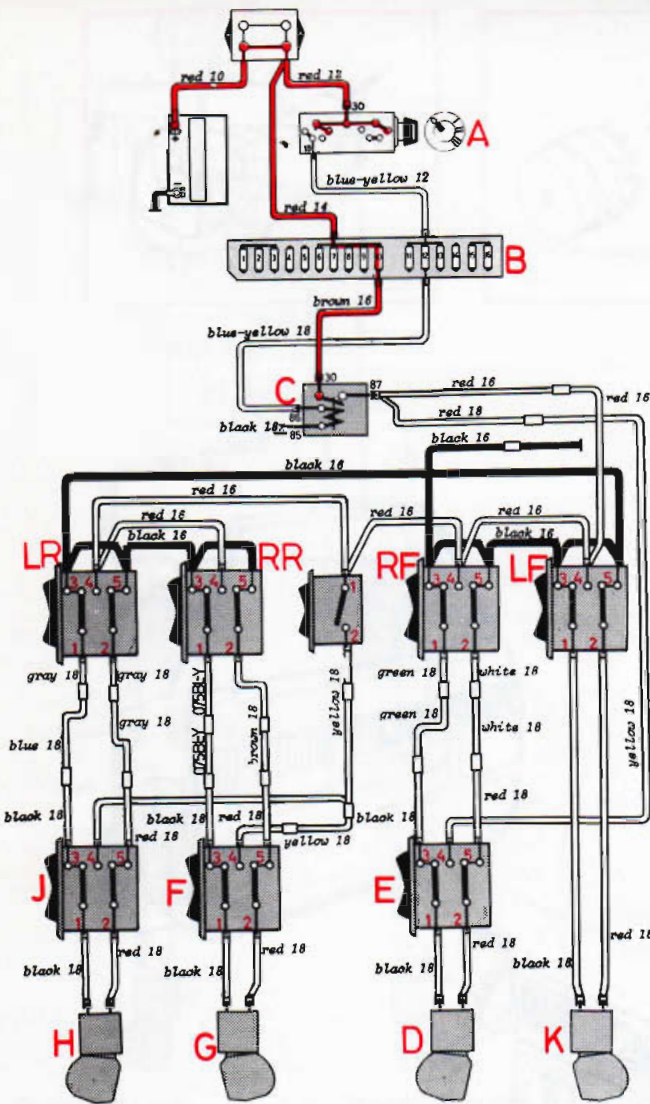
Window lifts, 4-door

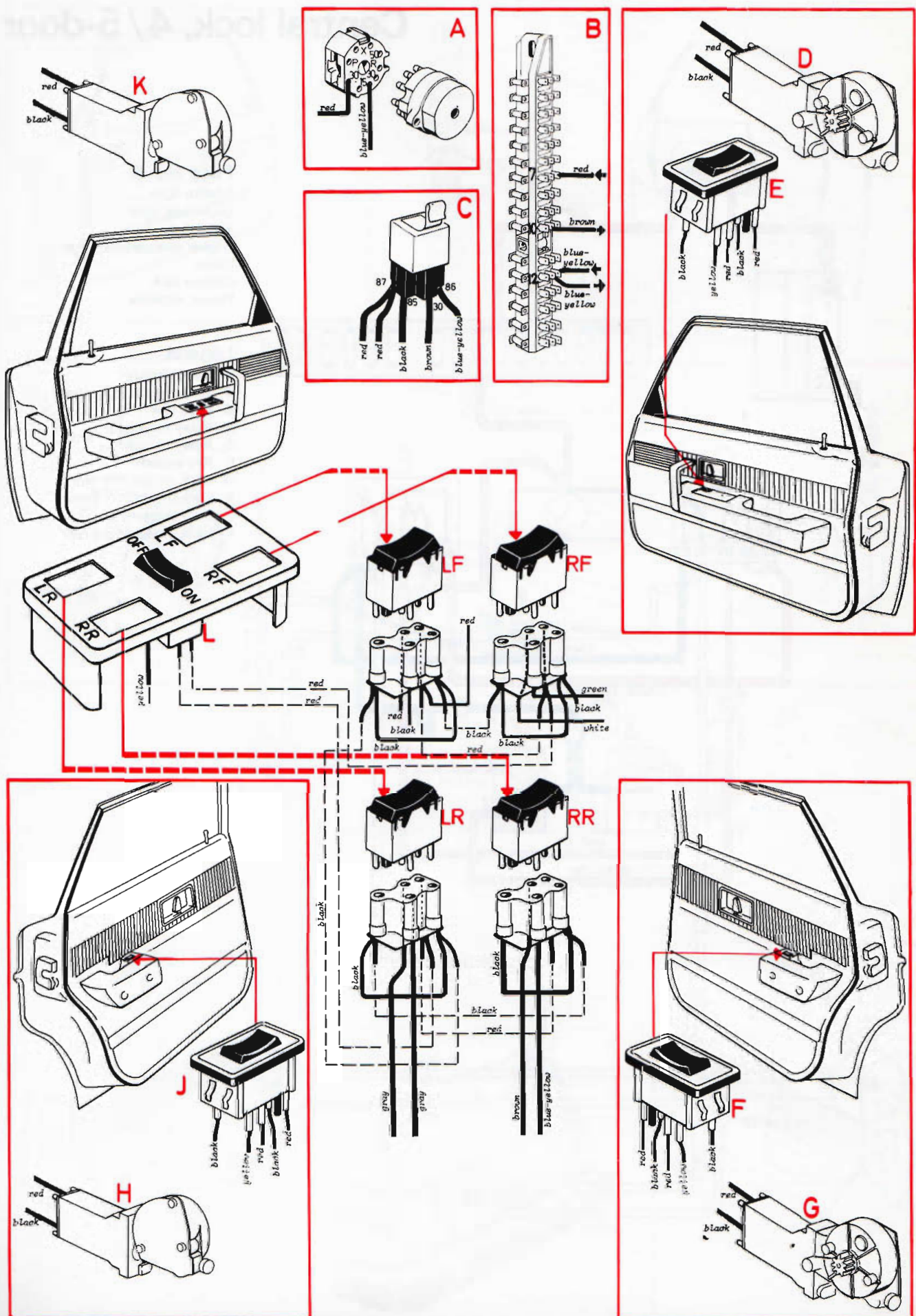
Fuse No. 10:
Window lifts

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

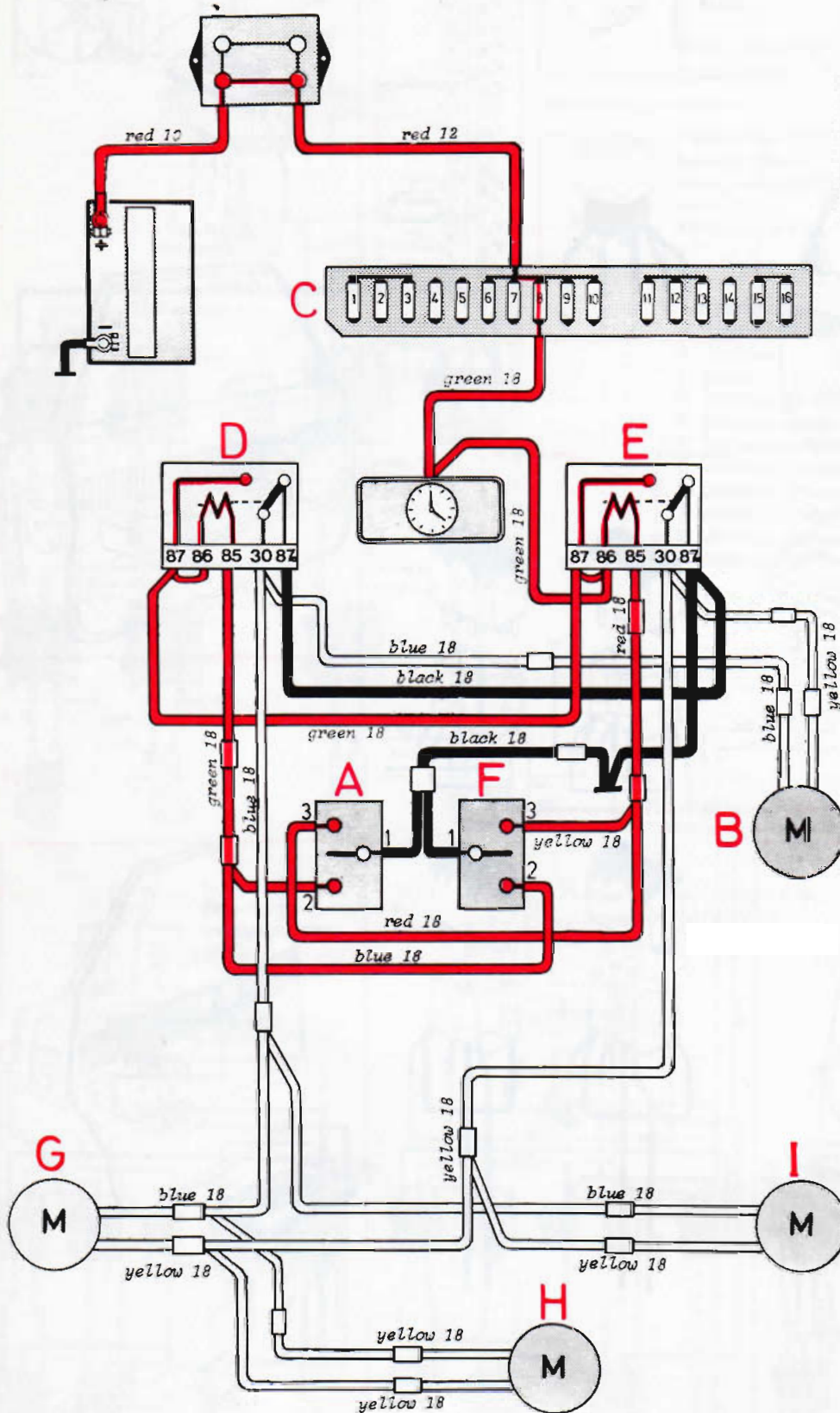
Legend:

- 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

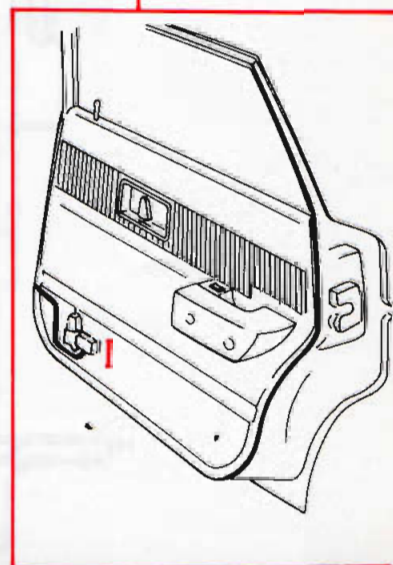
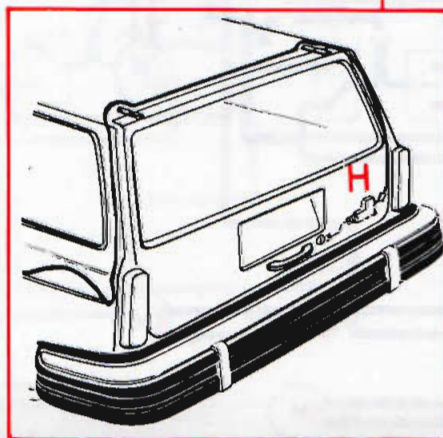
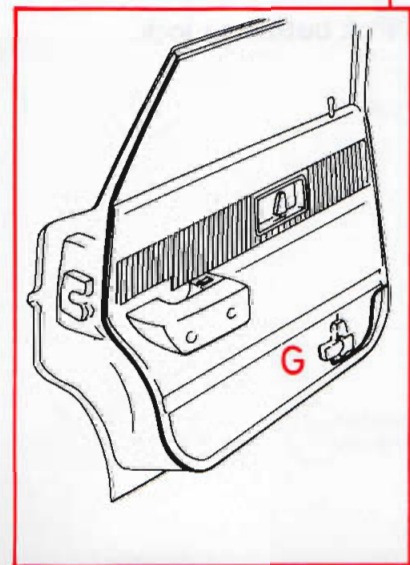
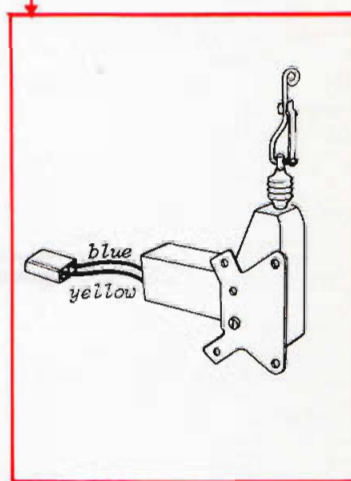
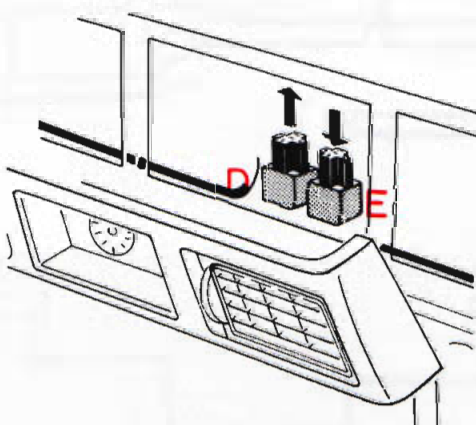
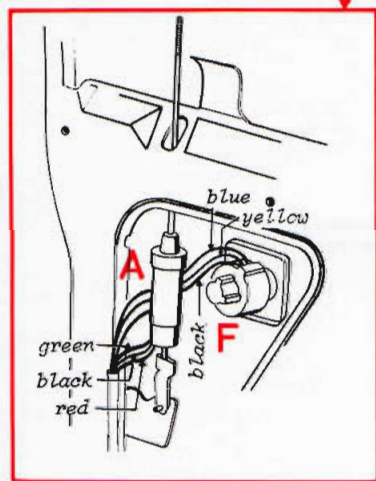
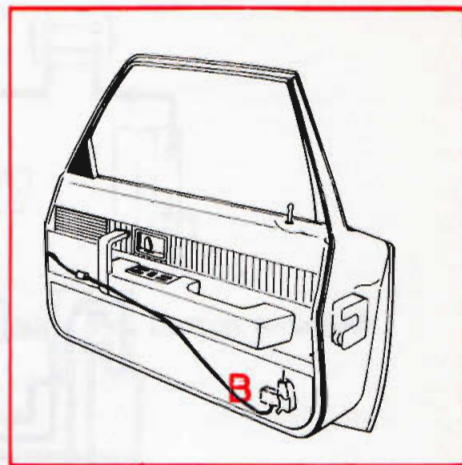
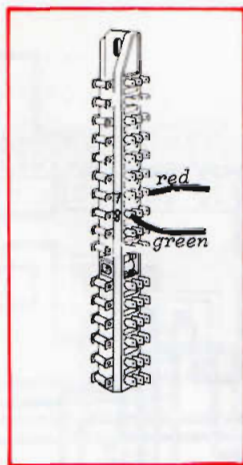
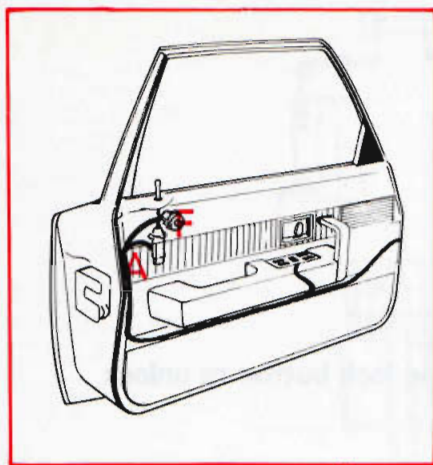


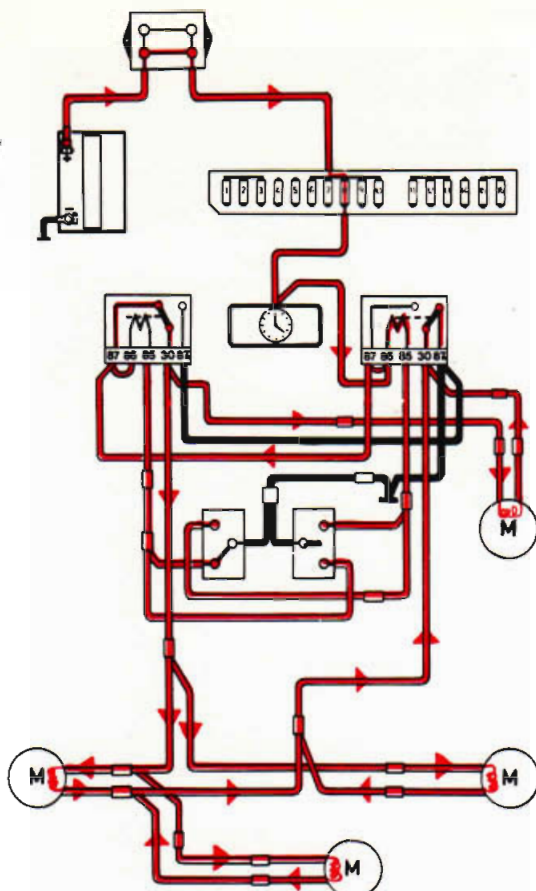
Fuse No. 8:

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

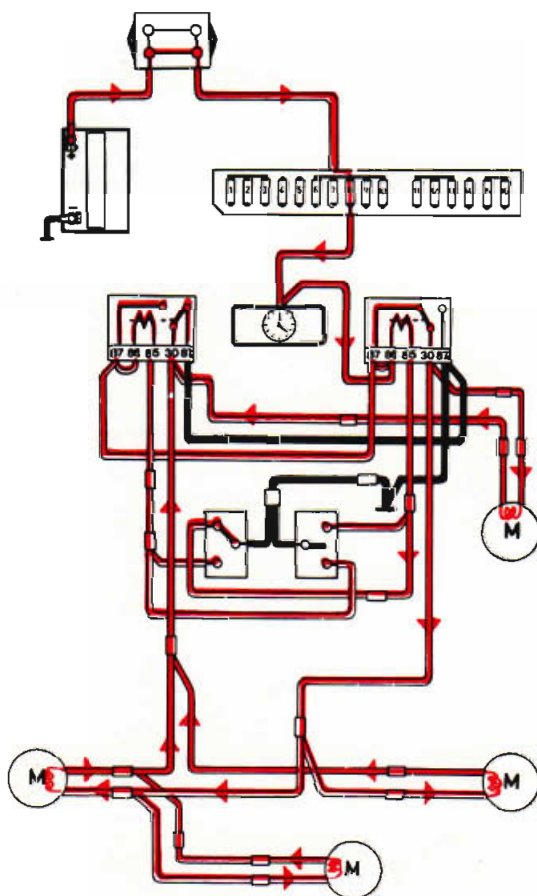
Legend:

- A Door switch
- B Lock motor, right front
- C Fuse box
- D Relay to unlock
- E Relay to lock
- F Key switch
- G Lock motor, left rear
- H Lock motor, tail gate door (wagon)
- I Lock motor, right rear

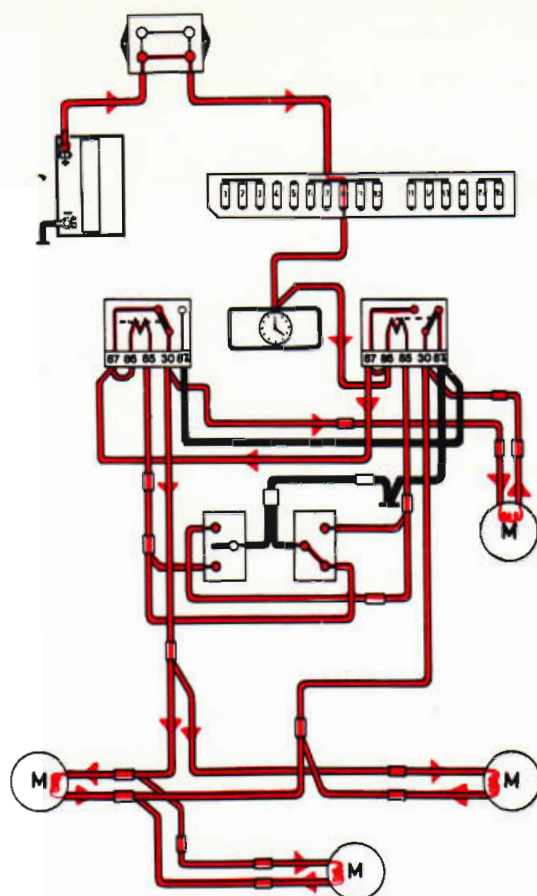




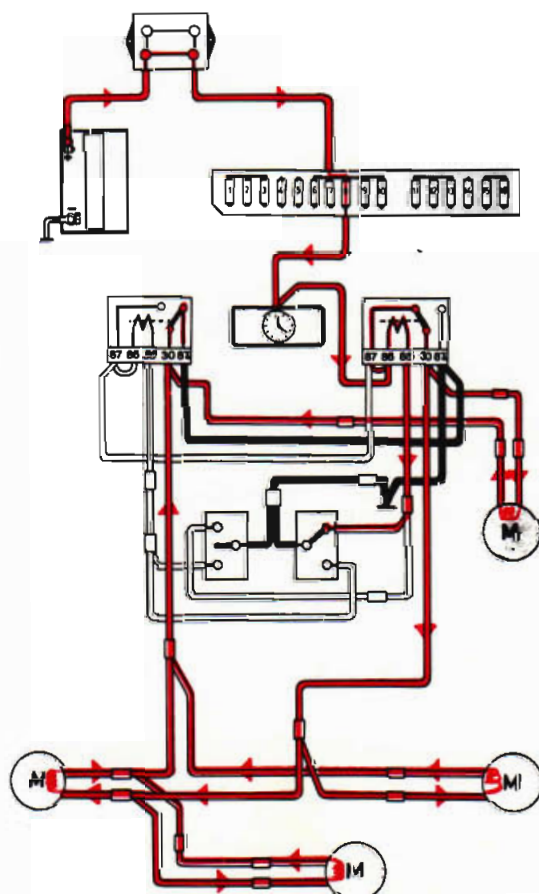
Using lock button to unlock



Using lock button to lock



Using key to unlock



Using key to lock

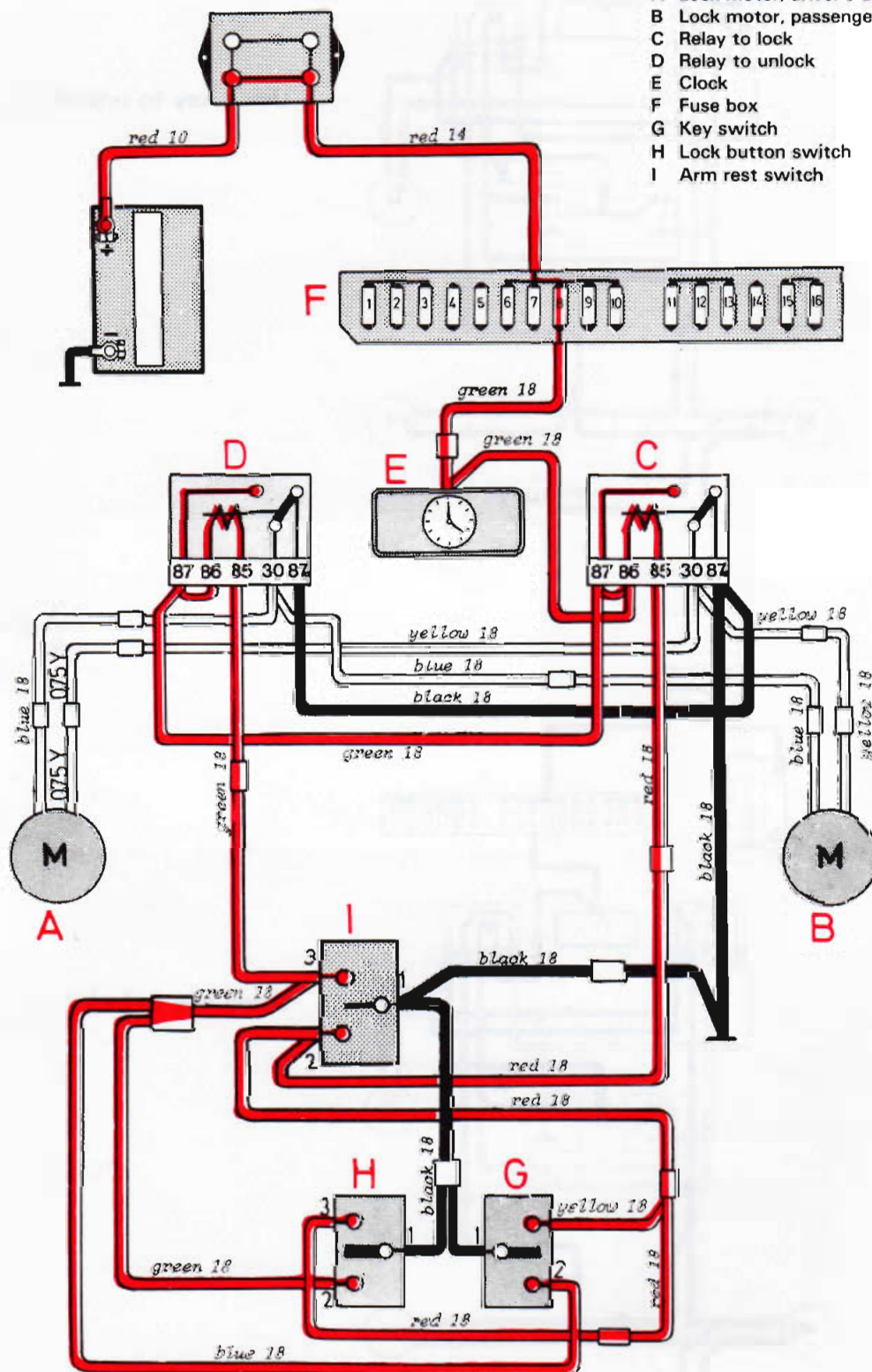
Central lock, Coupe

Fuse No. 8:

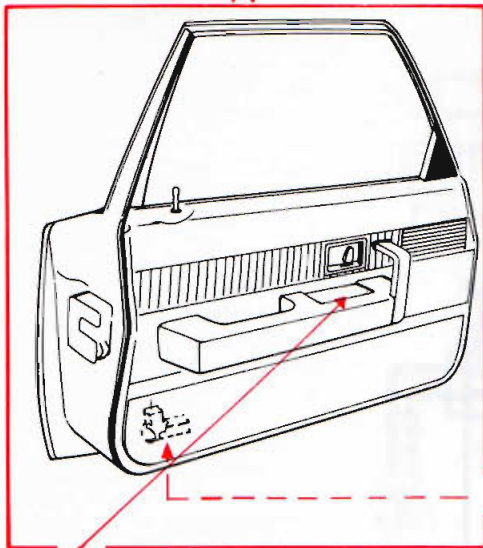
Interior light
Glove box light
Trunk light
Engine compartment light
Clock
Central lock
Power antenna

Legend:

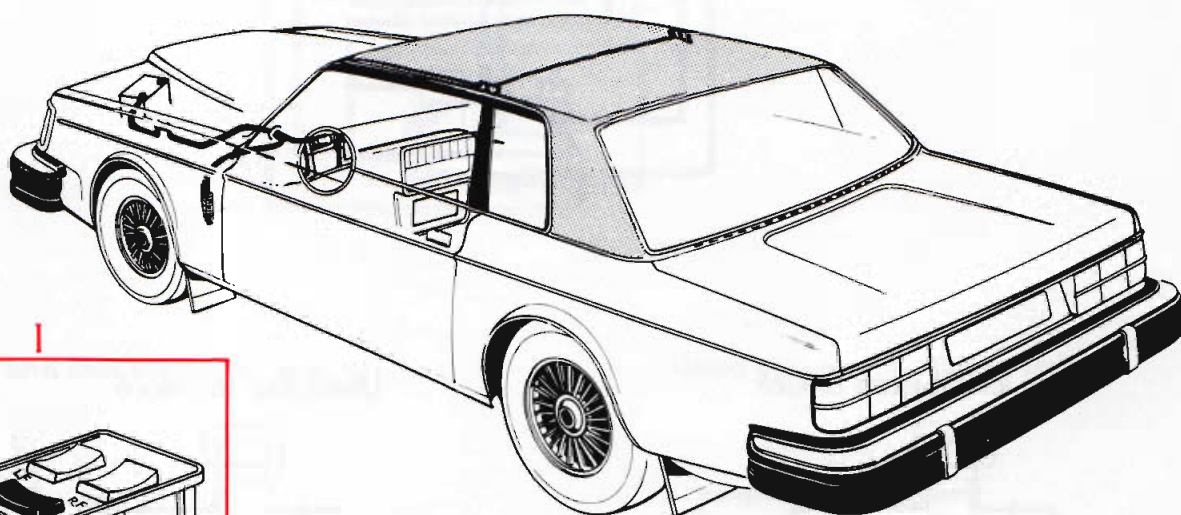
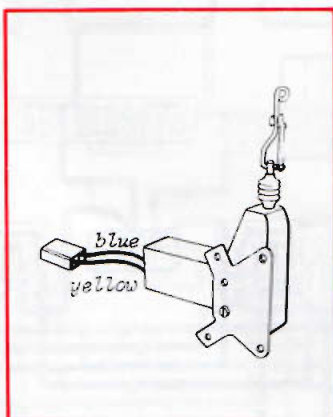
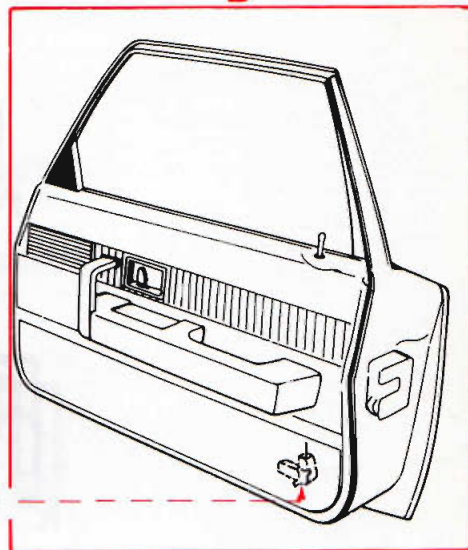
- A Lock motor, driver's door
- B Lock motor, passenger side
- C Relay to lock
- D Relay to unlock
- E Clock
- F Fuse box
- G Key switch
- H Lock button switch
- I Arm rest switch



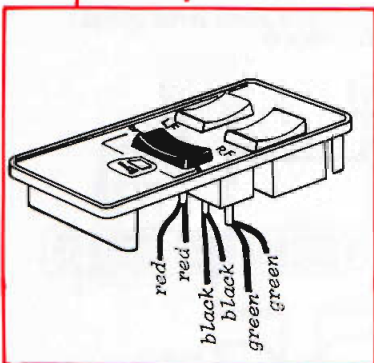
A



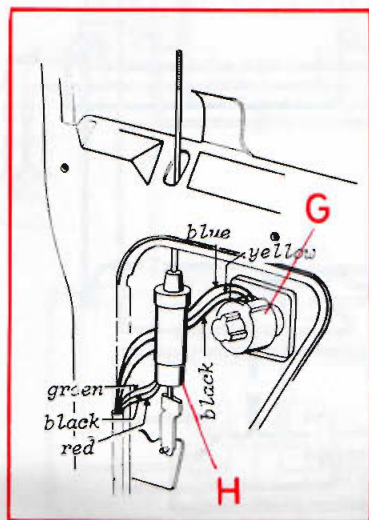
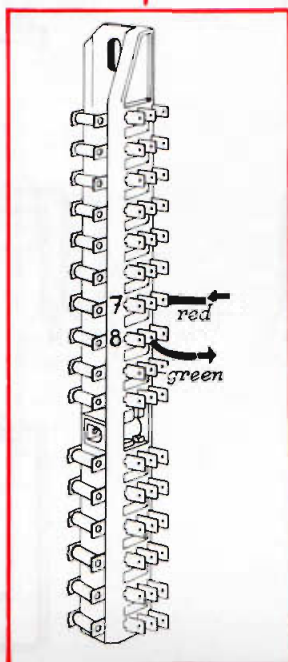
B



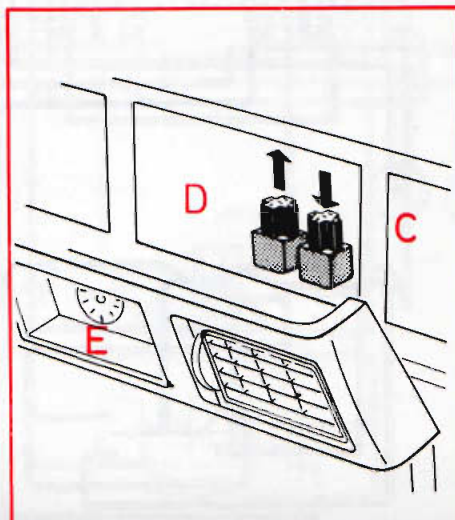
I



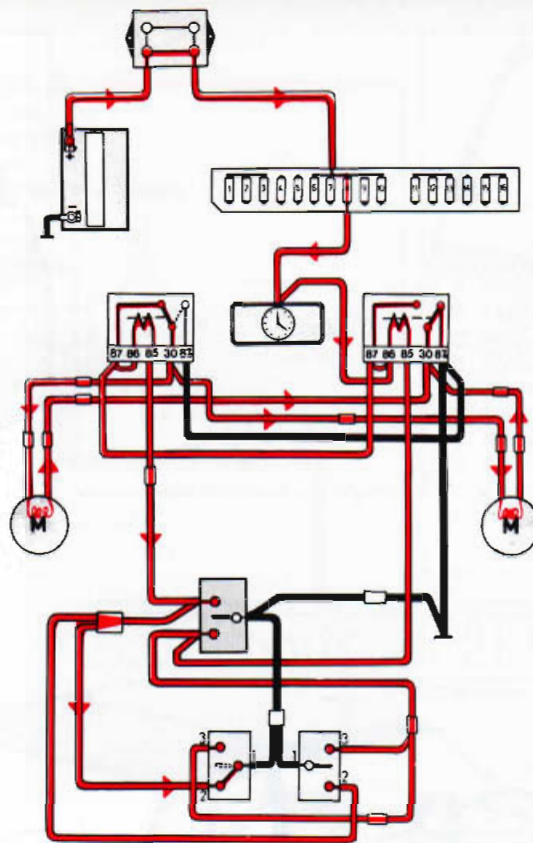
F



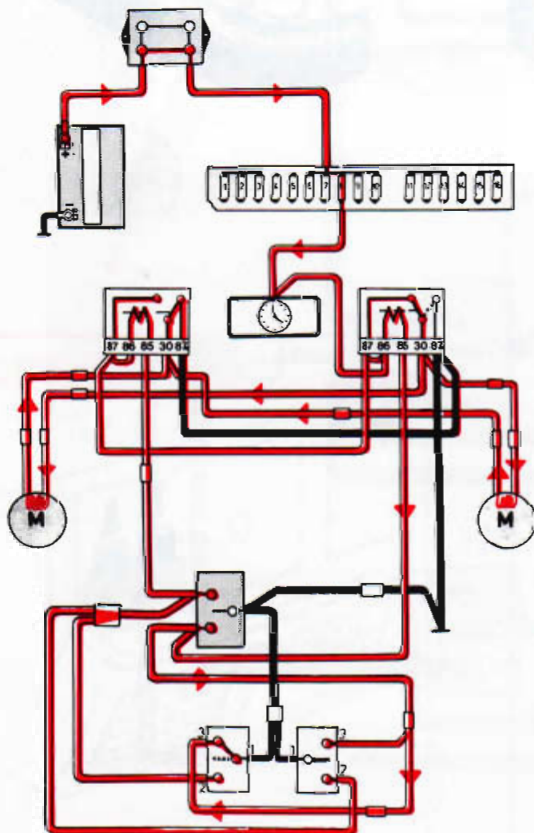
G



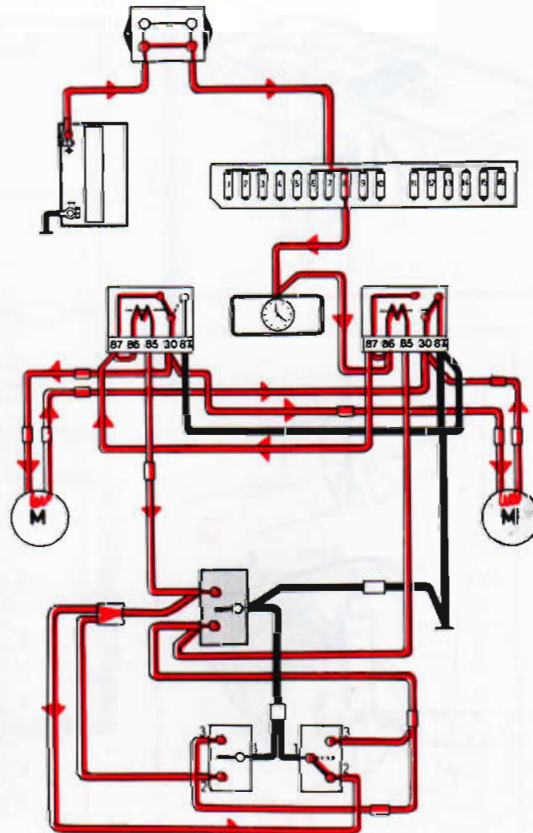
Using lock button to unlock



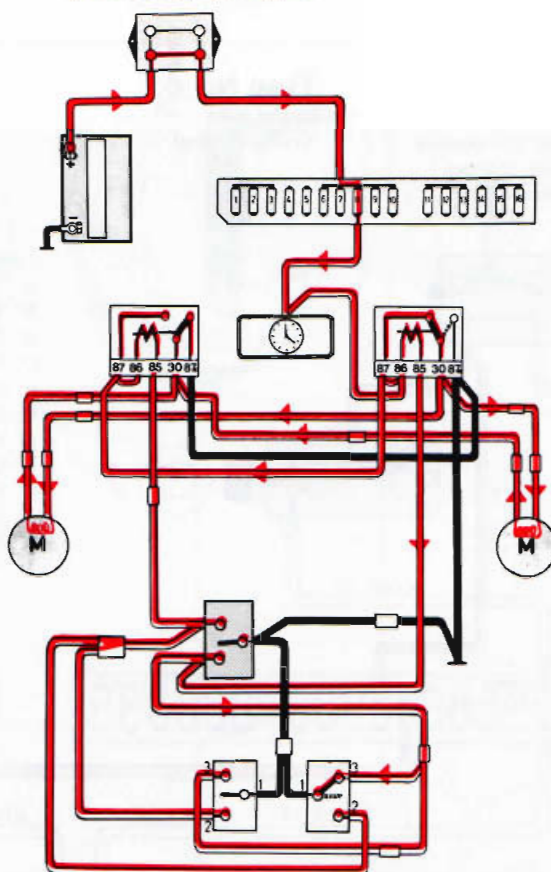
Using lock button to lock



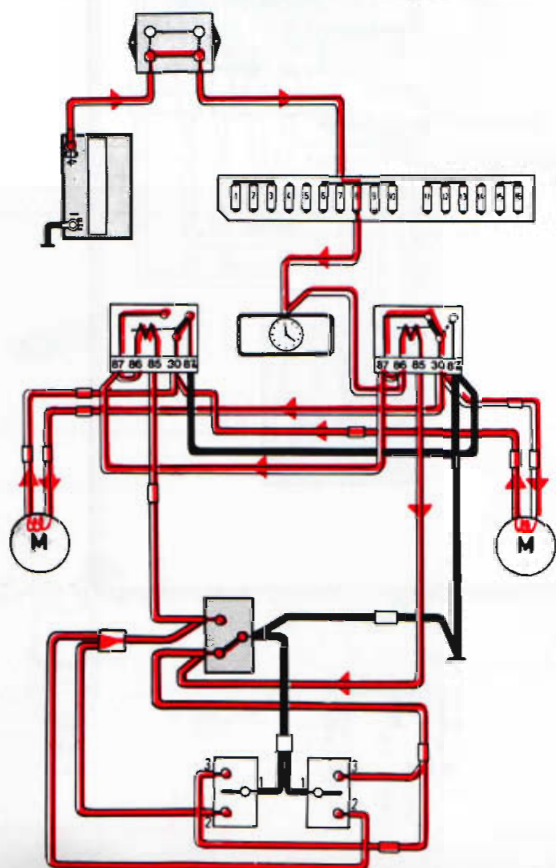
Using key to unlock



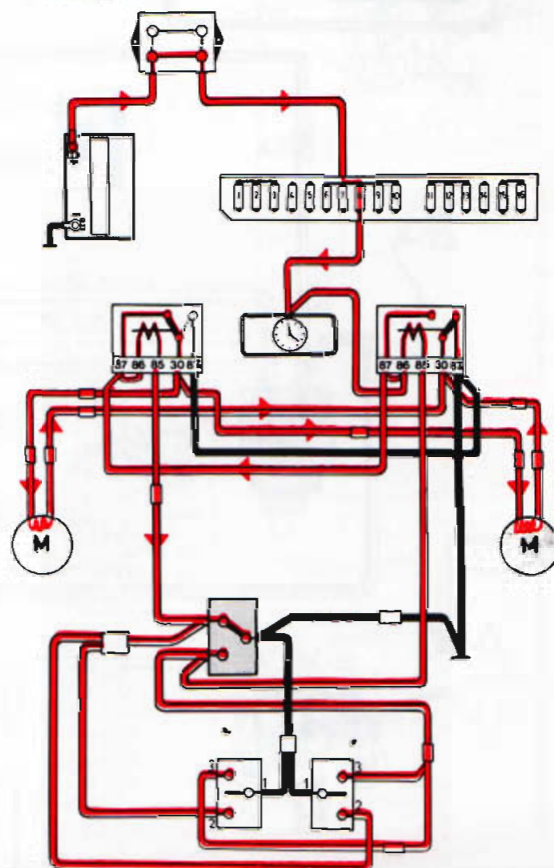
Using key to lock



Using arm rest switch to lock



Using arm rest switch to unlock



Cruise control

Fuse No. 1:

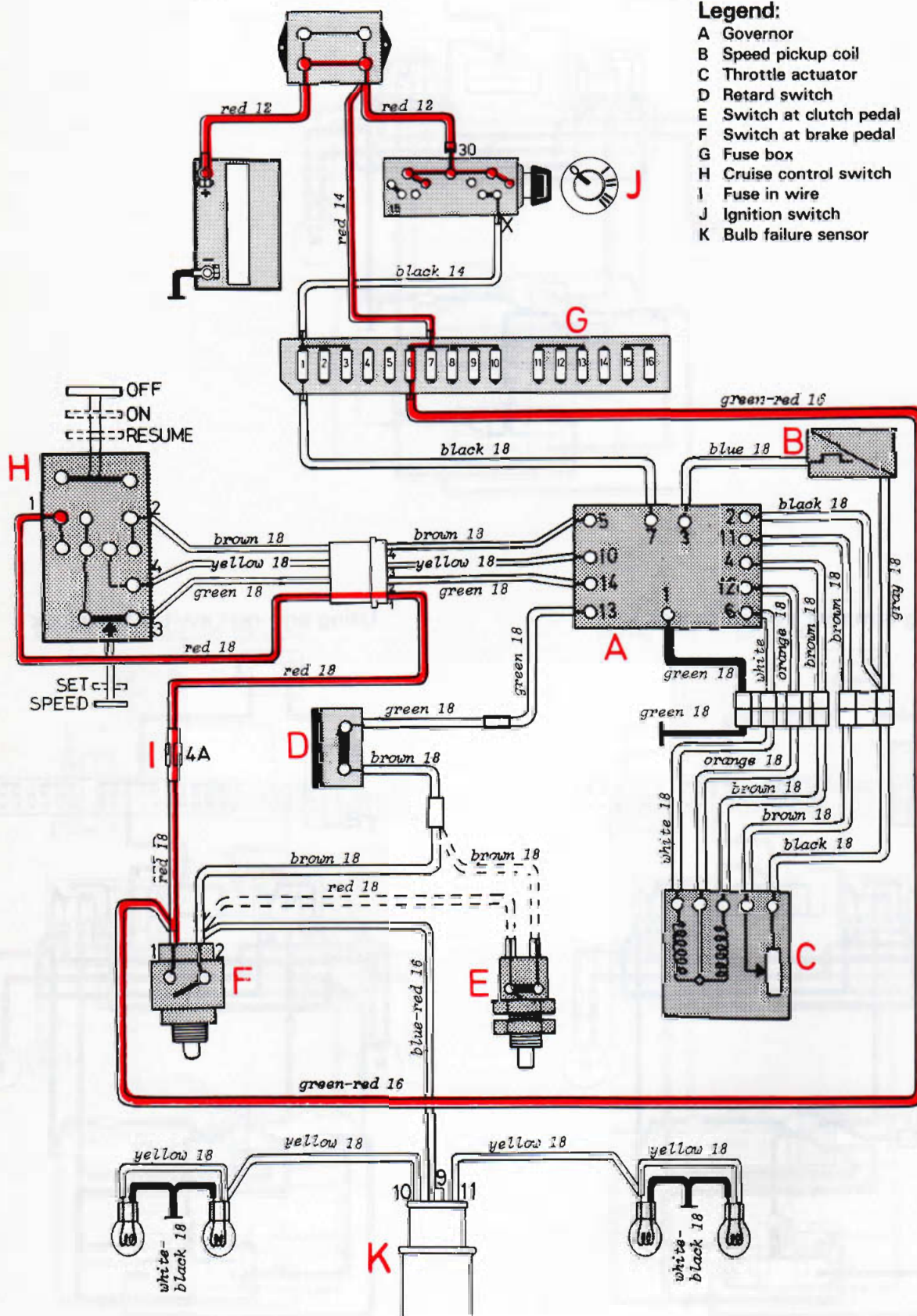
Cigarette lighter
Tail gate window wiper and washer
Electrically operated side mirrors
Radio (and power antenna)
Cruise control

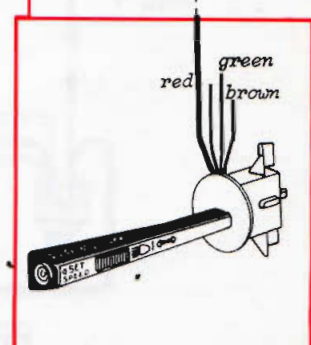
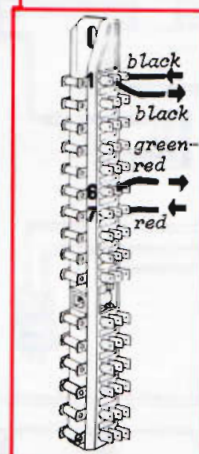
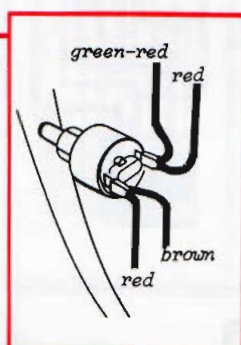
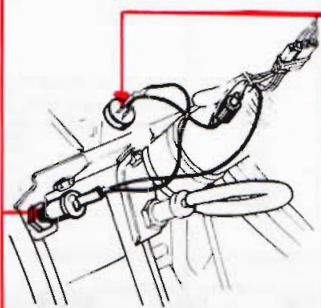
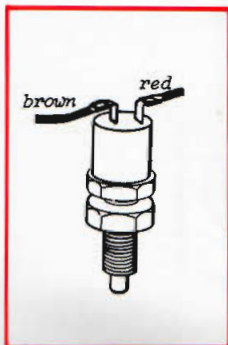
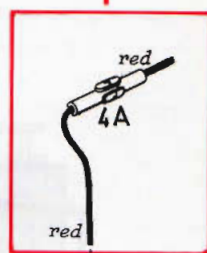
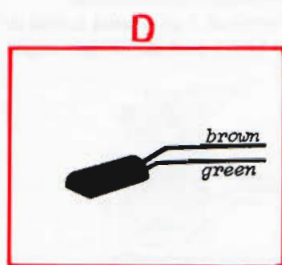
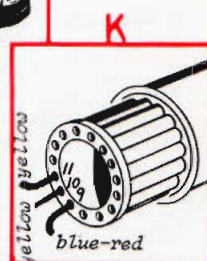
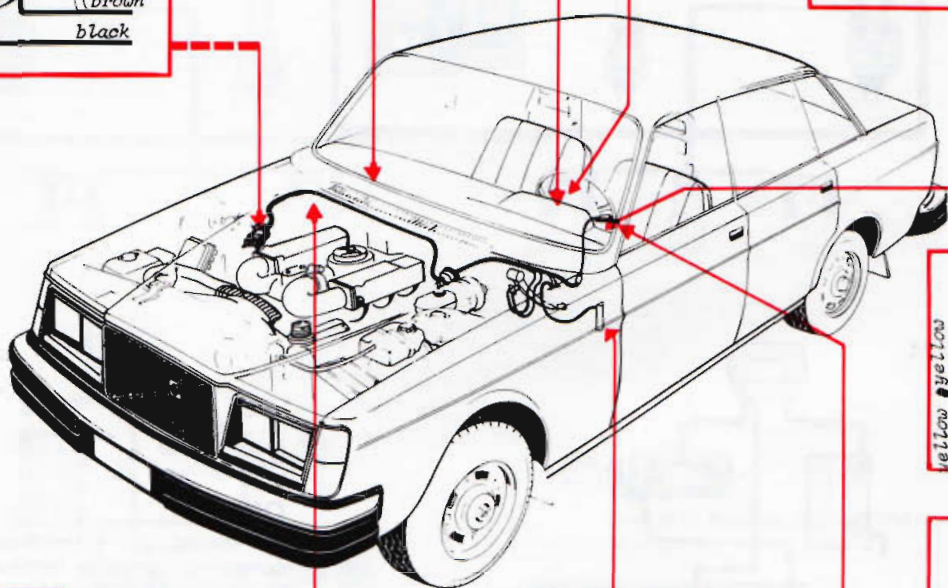
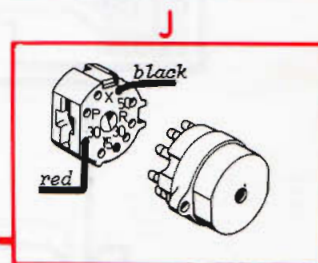
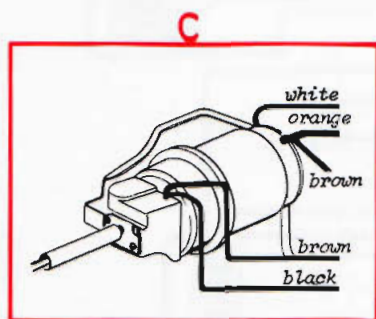
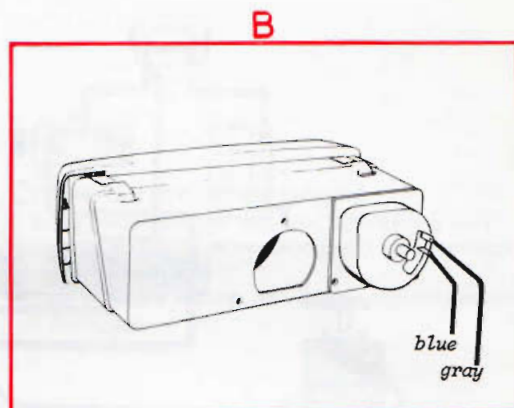
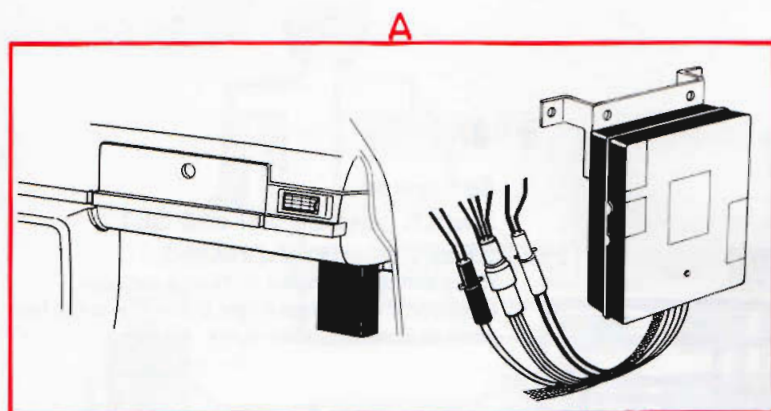
Fuse No. 6:

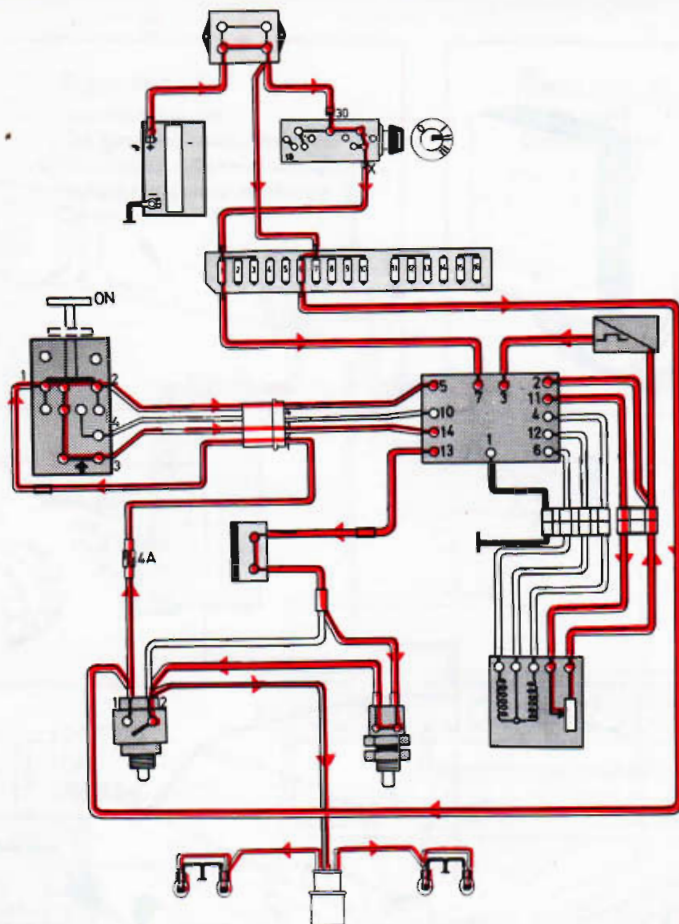
Brake light
Cruise control

Legend:

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

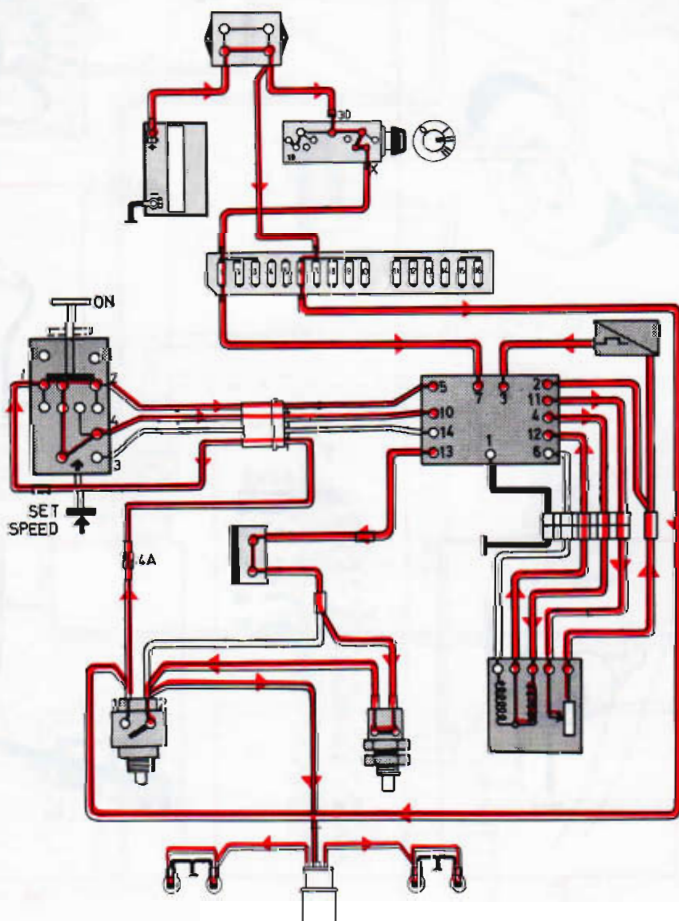




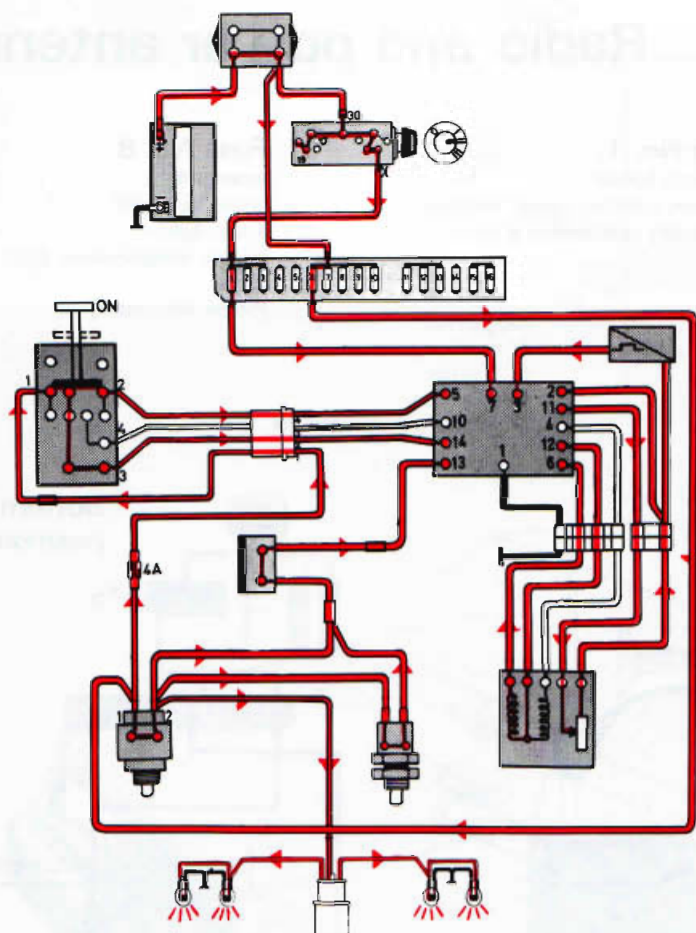
**Set speed**

Switch position ON and SET
SPEED button depressed.

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

**ON**

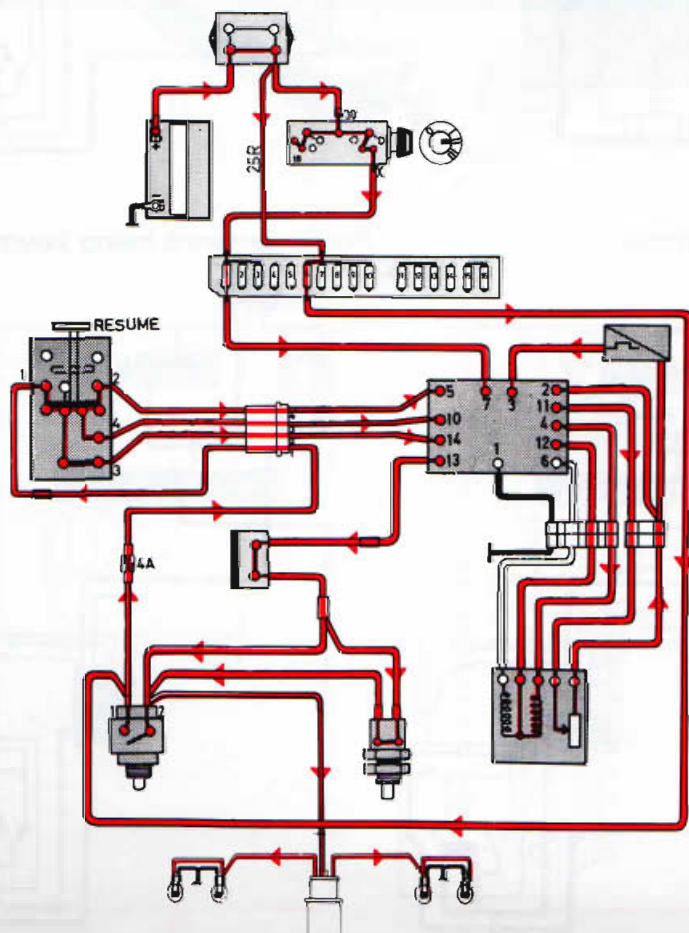
Self-holding relay in throttle actuator receives current from governor terminal 2 (provided speed is higher than 35 mph and brake and clutch not engaged).



Cruise control disengaged

If brake pedal switch is engaged, self-holding relay in throttle actuator will be disengaged (same voltage on both ends of coil).

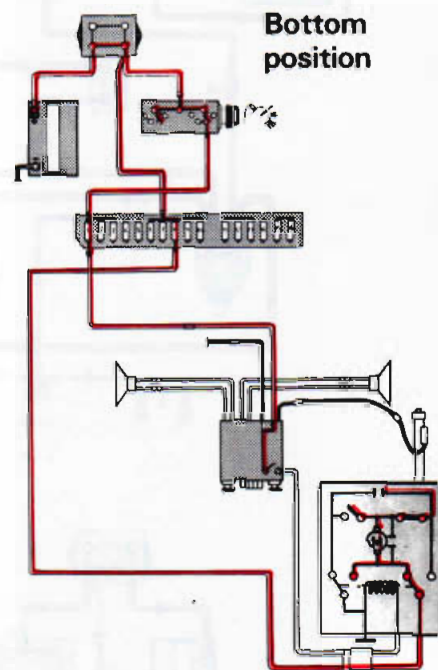
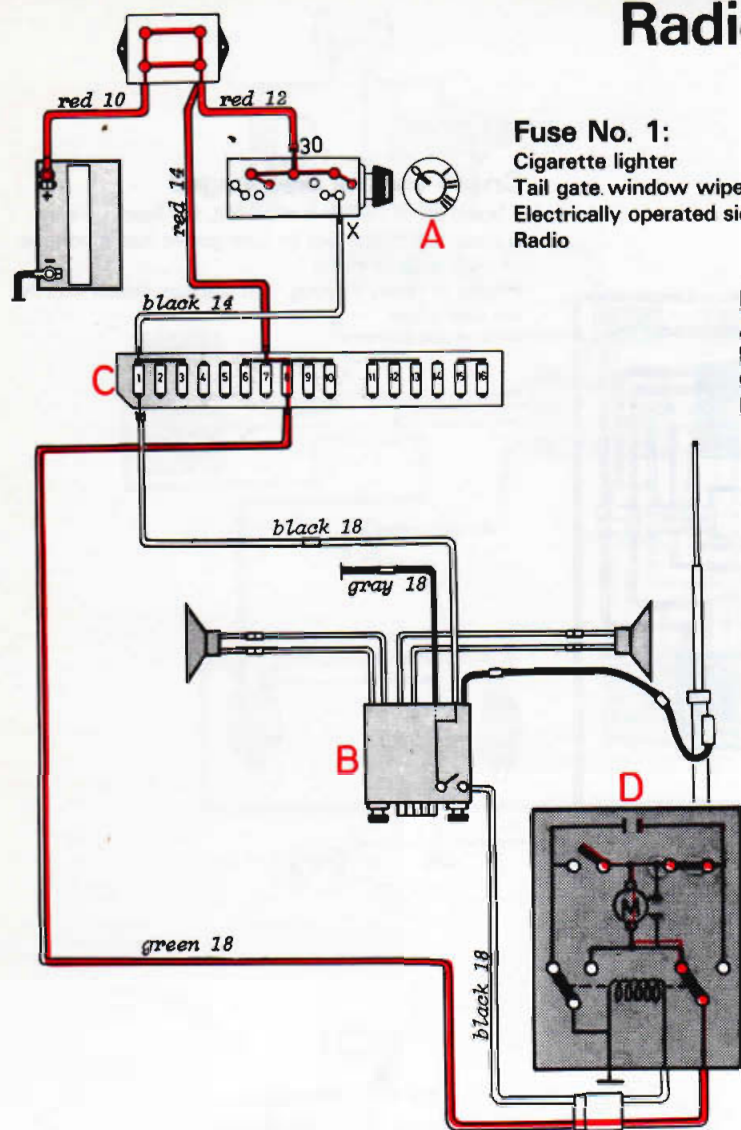
In case of heavy braking, also mercury retard switch will disengage.



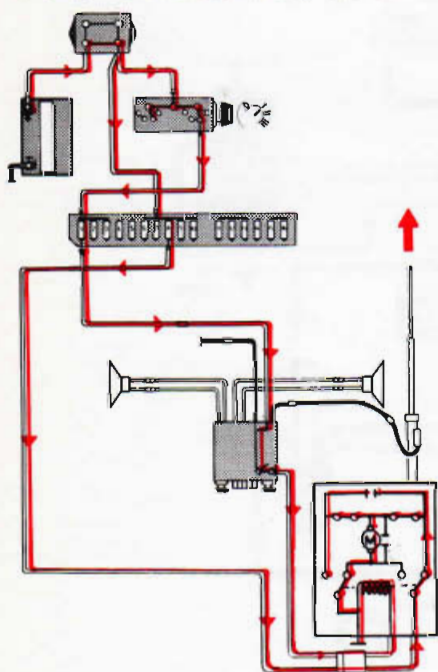
Resume

Switch to Resume engages memory and previous setting.

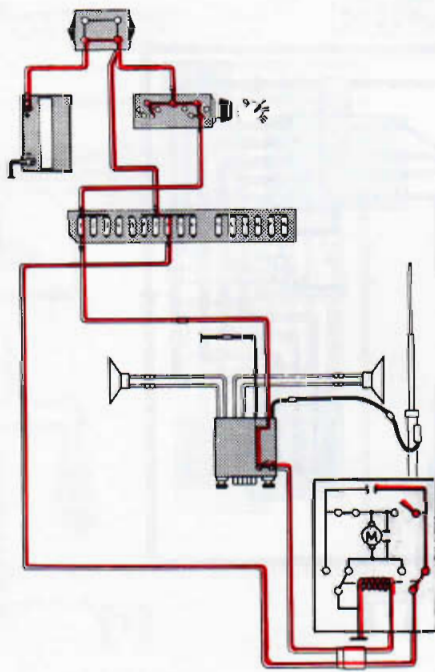
Radio and power antenna



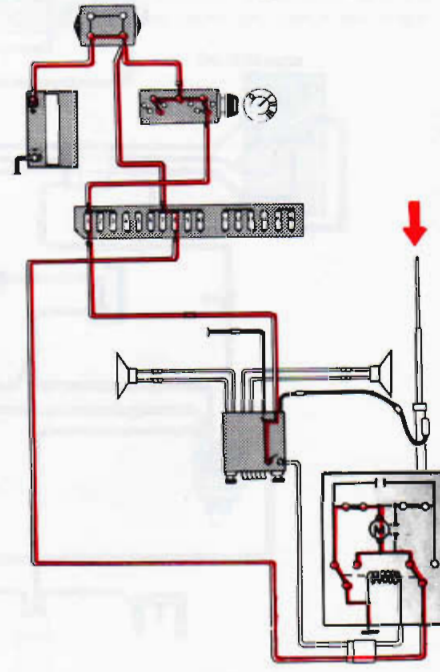
Power antenna being raised



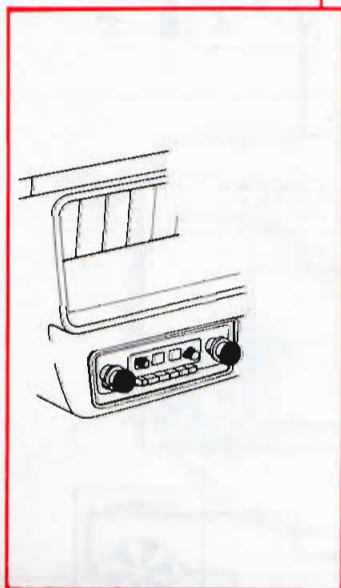
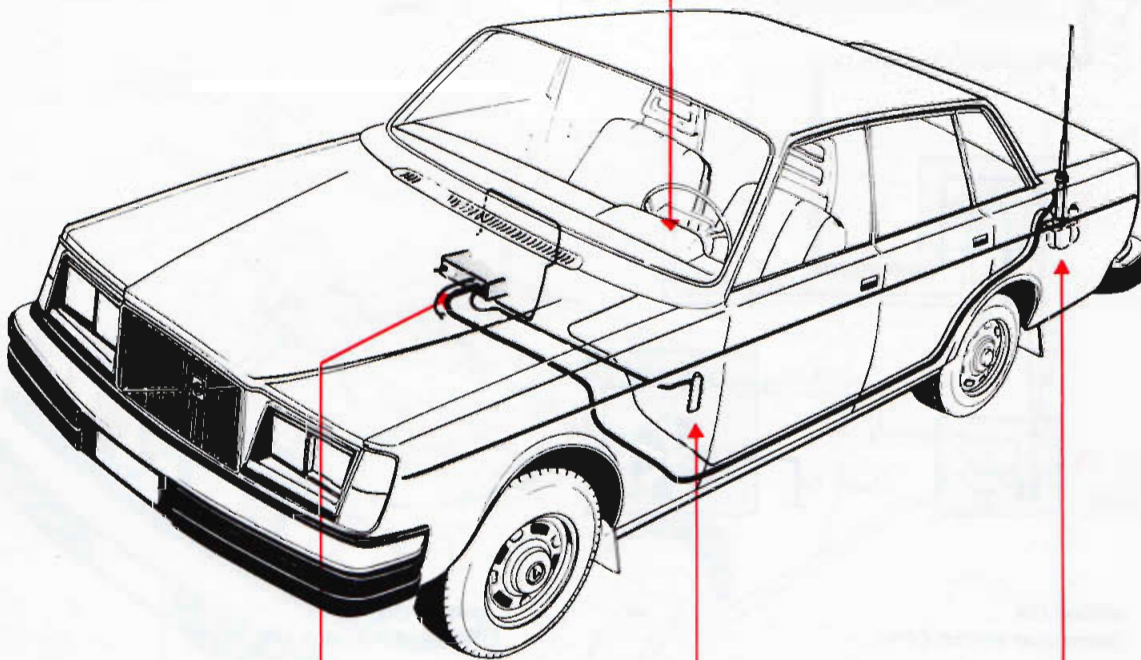
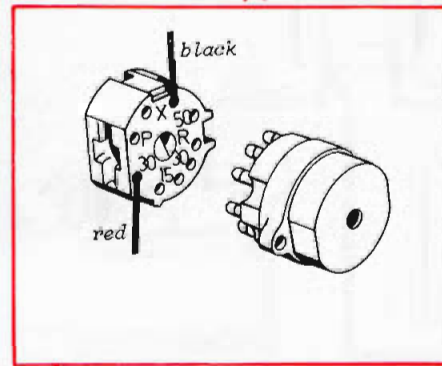
Top position



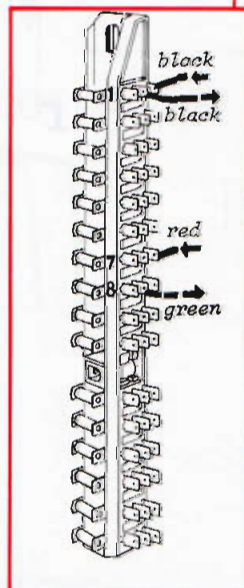
Power antenna being lowered



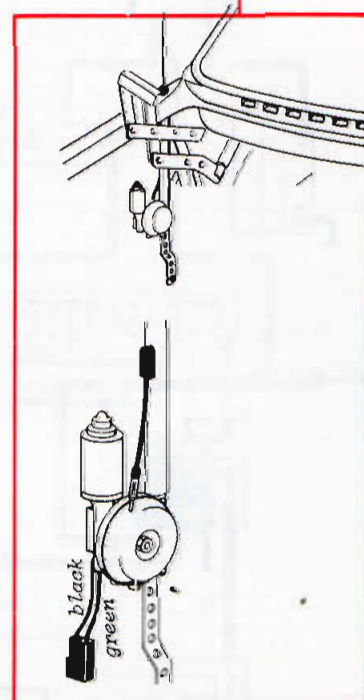
A



B

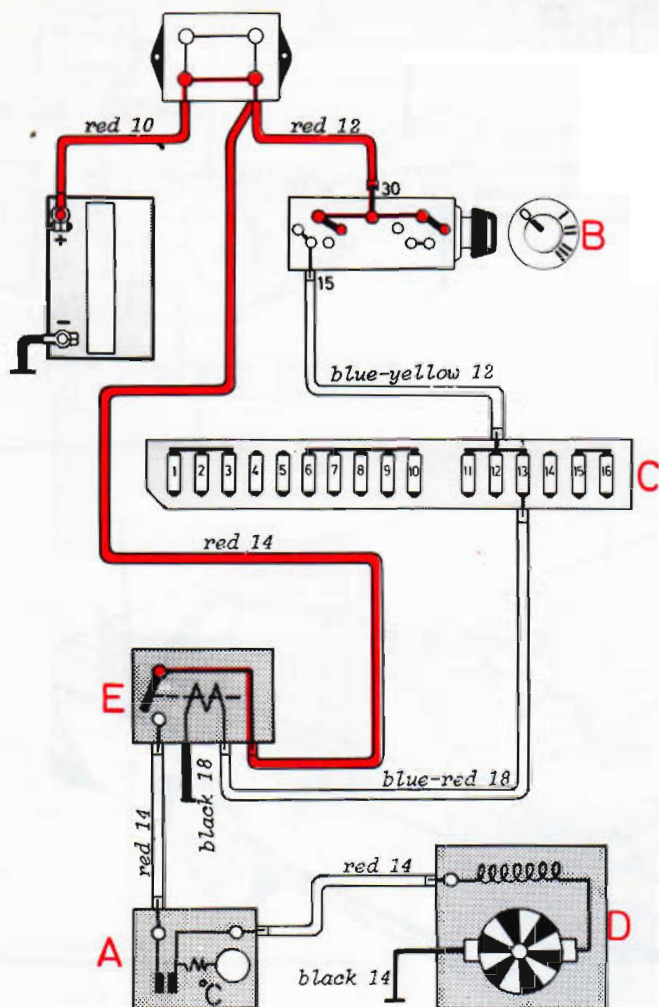


C



D

Electric cooling fan



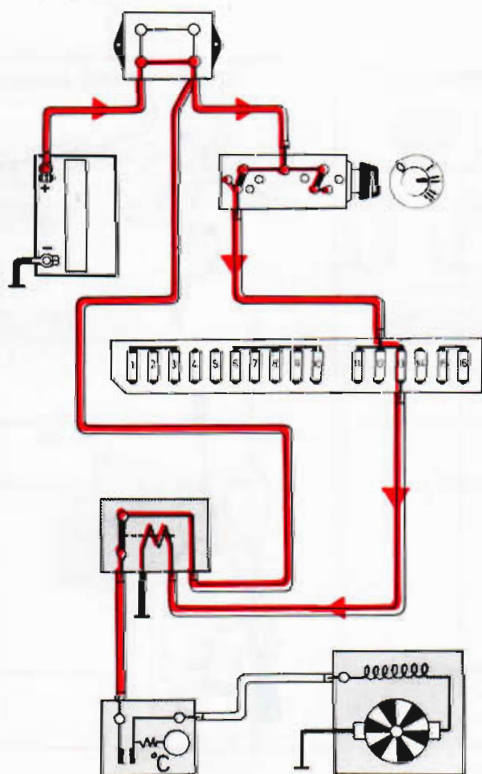
Fuse No. 13:

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

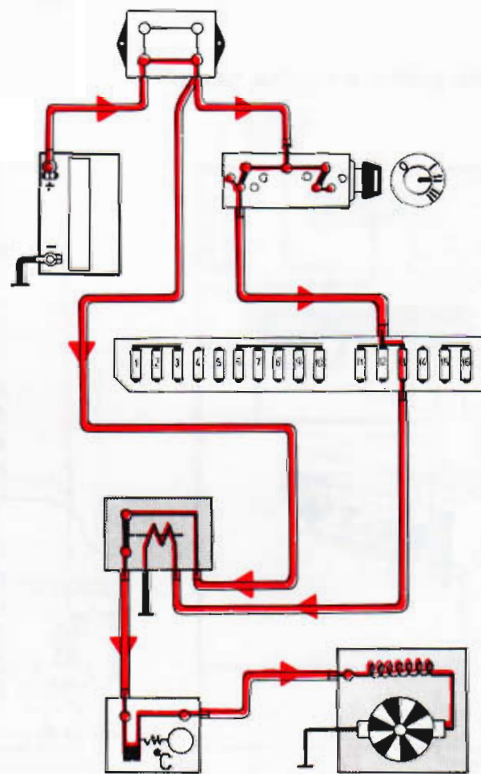
Legend:

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

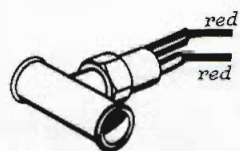
Ignition ON.
Thermostat switch OFF.



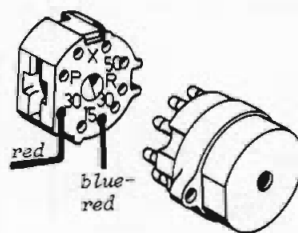
Ignition ON.
Thermostat switch ON.



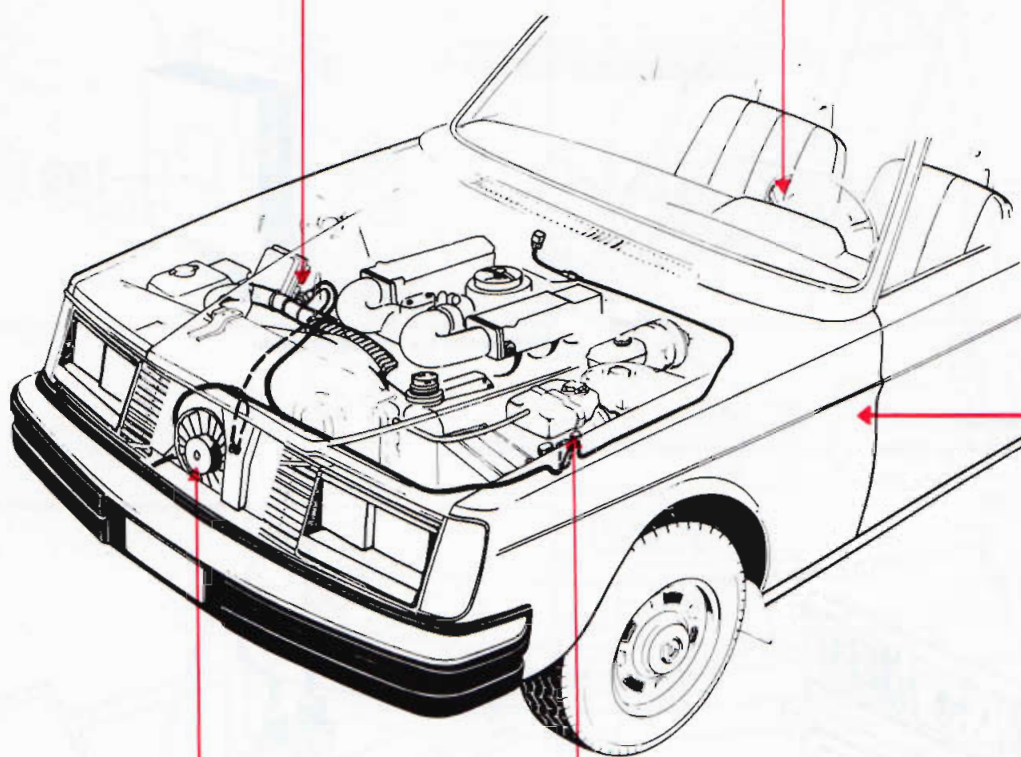
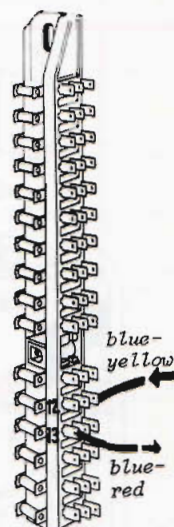
A



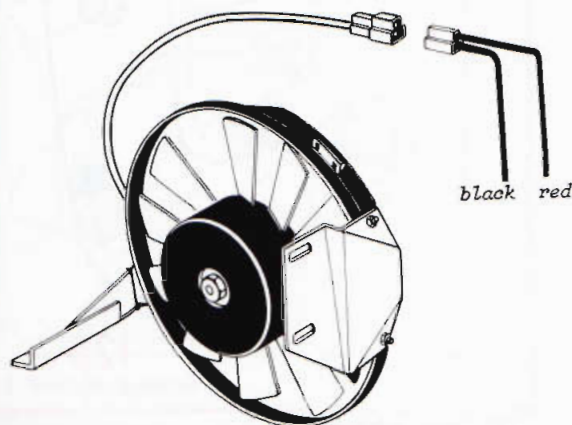
B



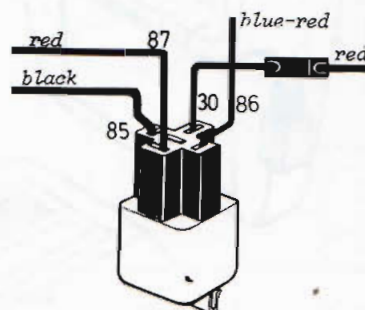
C



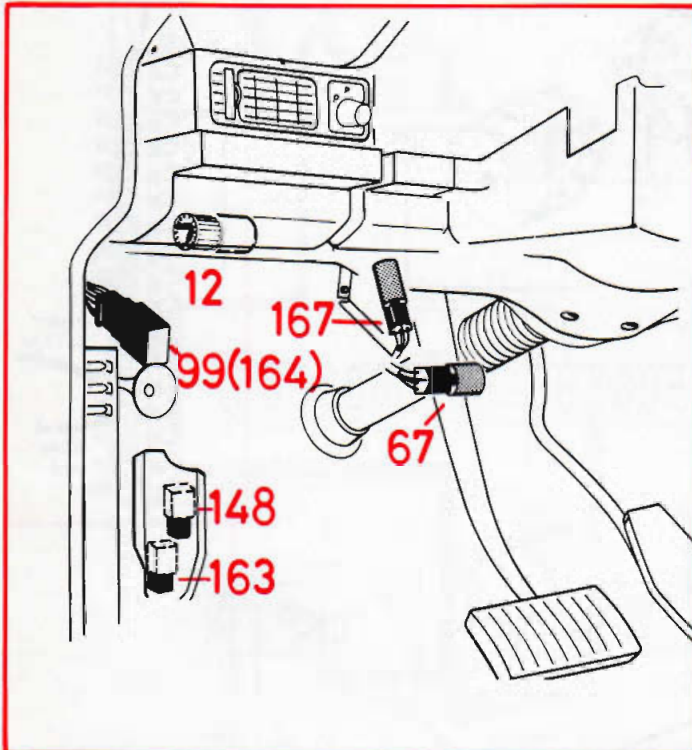
D



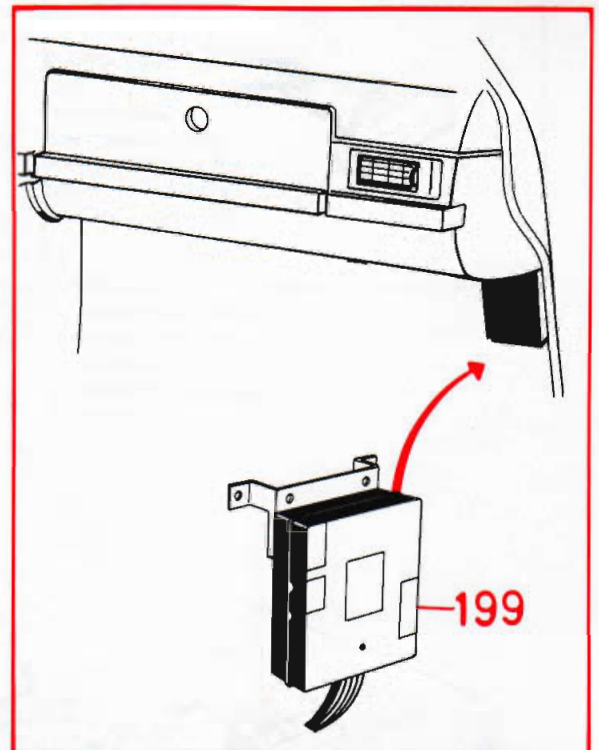
E



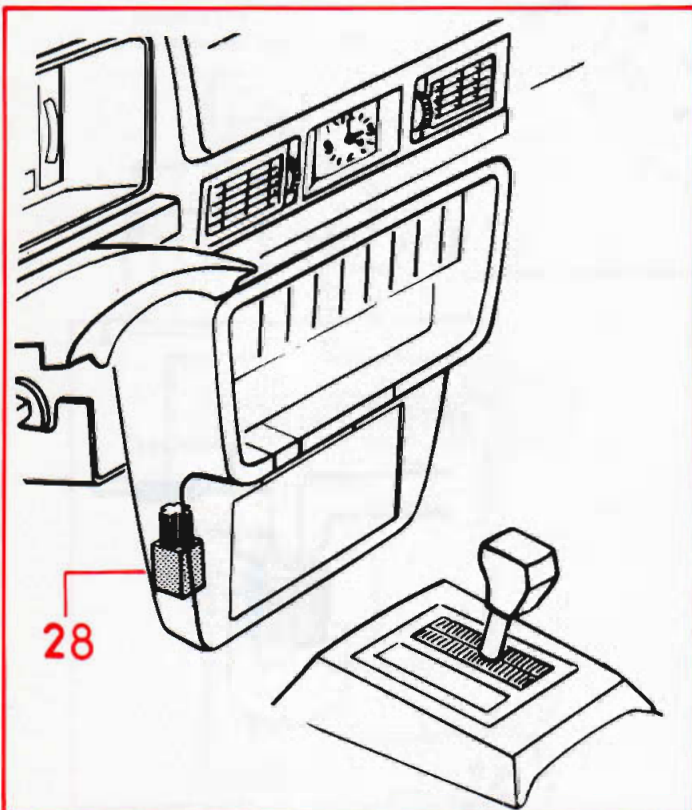
Locations for relays, buzzers, control units, etc



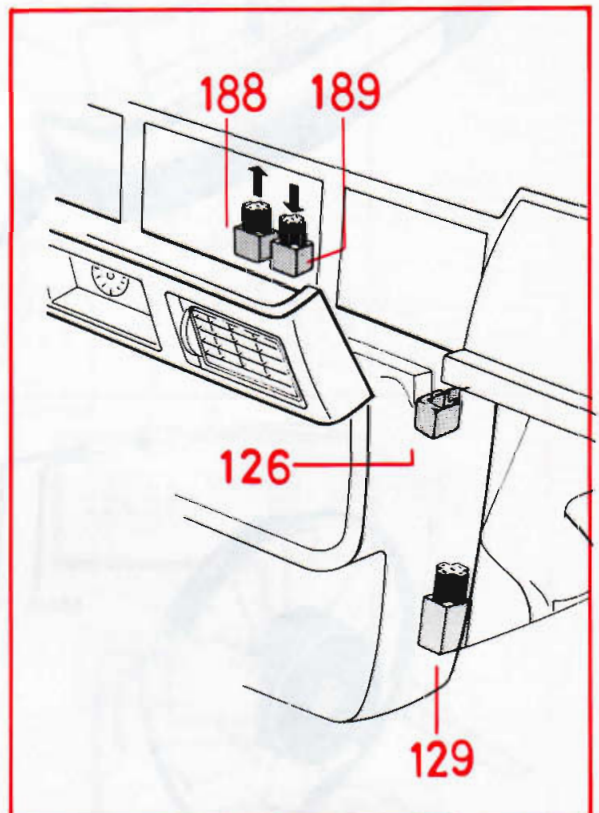
- 12 Bulb failure sensor
- 67 Key and light buzzer
- 99 Relay, fuel pump
- 148 Interval relay, window wipers
- 163 Interval relay, tail gate window wiper
- 164 Diesel, control unit
- 167 Relay, delayed interior light



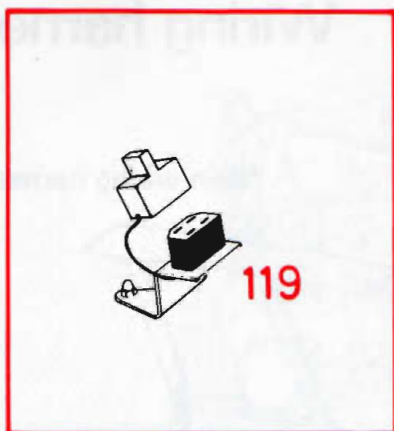
199 Governor, cruise control



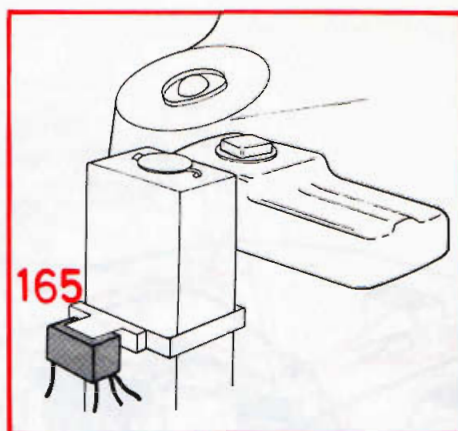
28 Flasher, turn signals



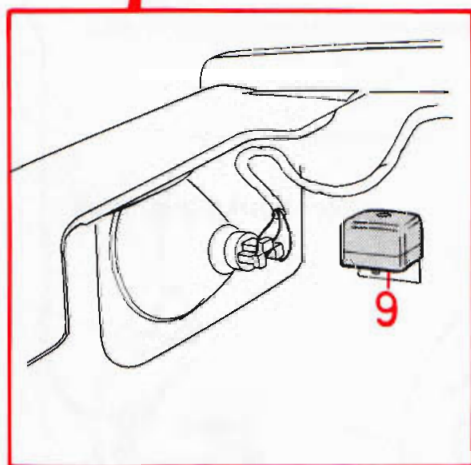
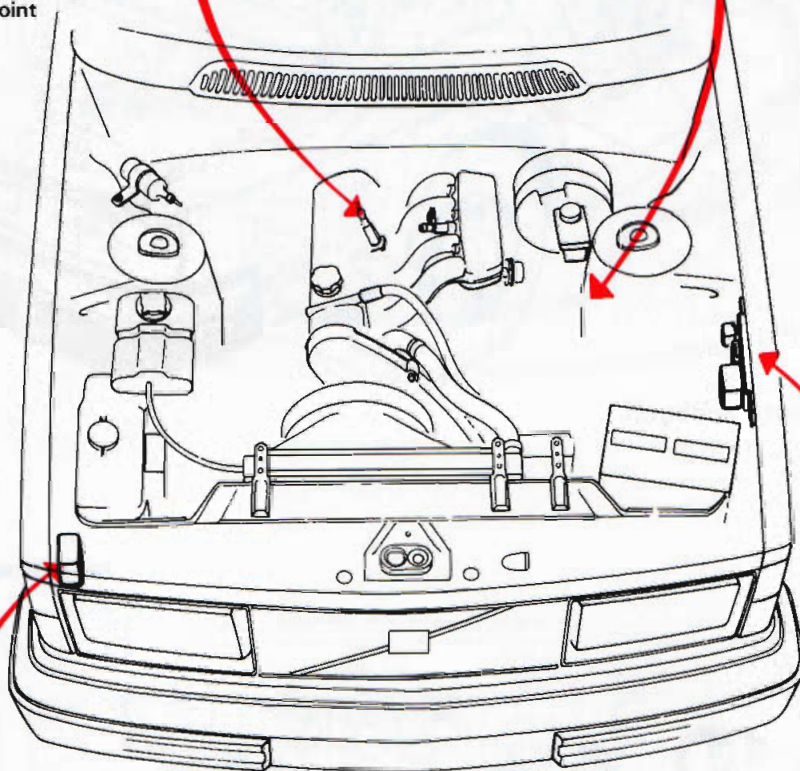
- 126 Relay, window lifts
- 129 Relay, air conditioning
- 188 Central lock, unlock relay
- 189 Central lock, lock relay



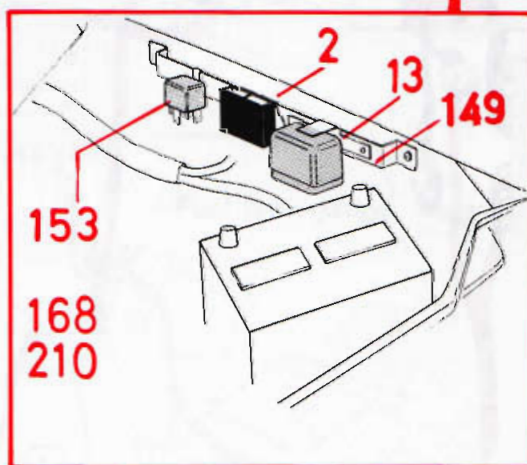
119 Test instrument pick-up point



165 Diesel: glow plug relay



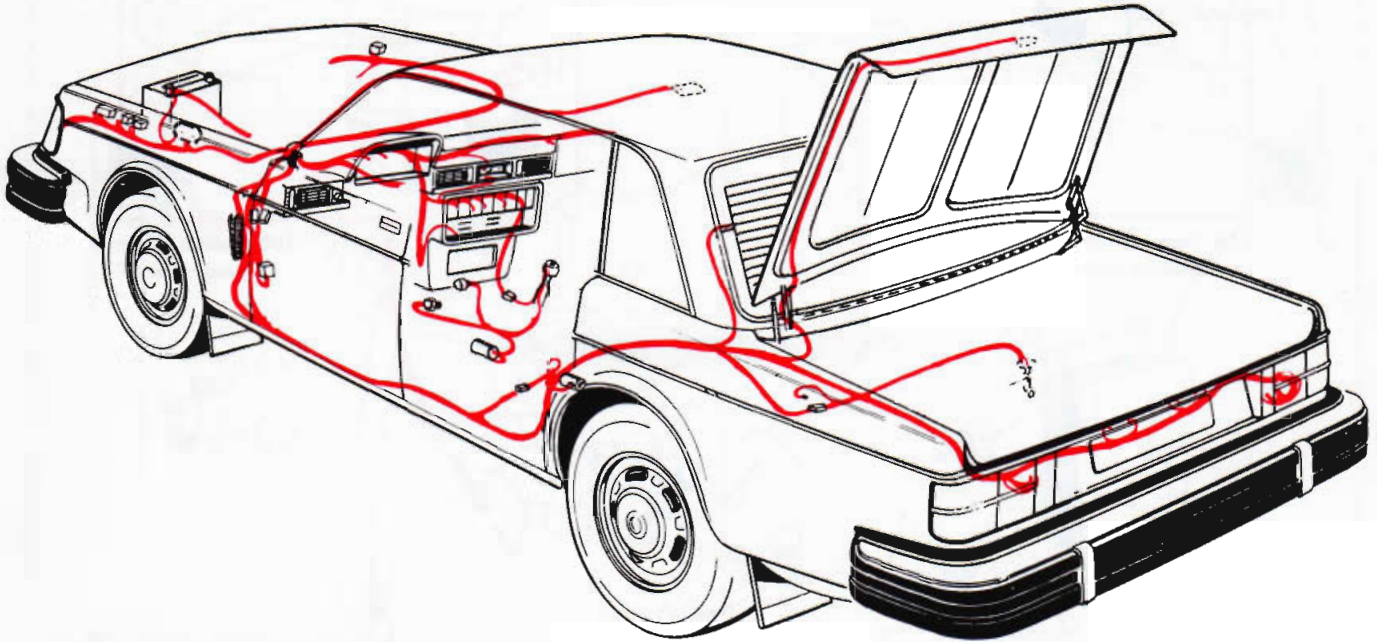
9 Voltage regulator



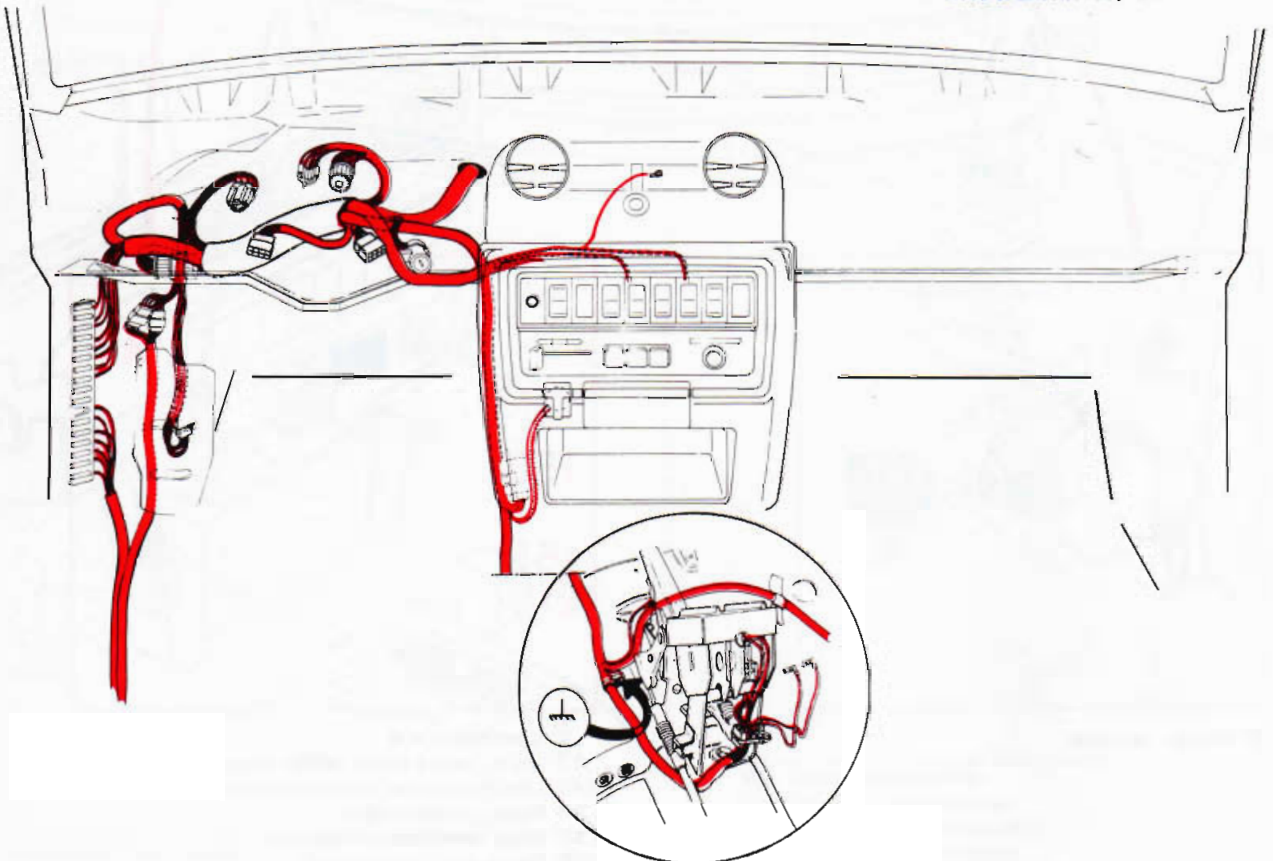
2 Connection box
13 Upper/lower beam switch relay
149 Lambda system test pick-up point
153 Relay, auxiliary lights
168 Relay, electrical cooling fan
210 Diesel, relay, control unit

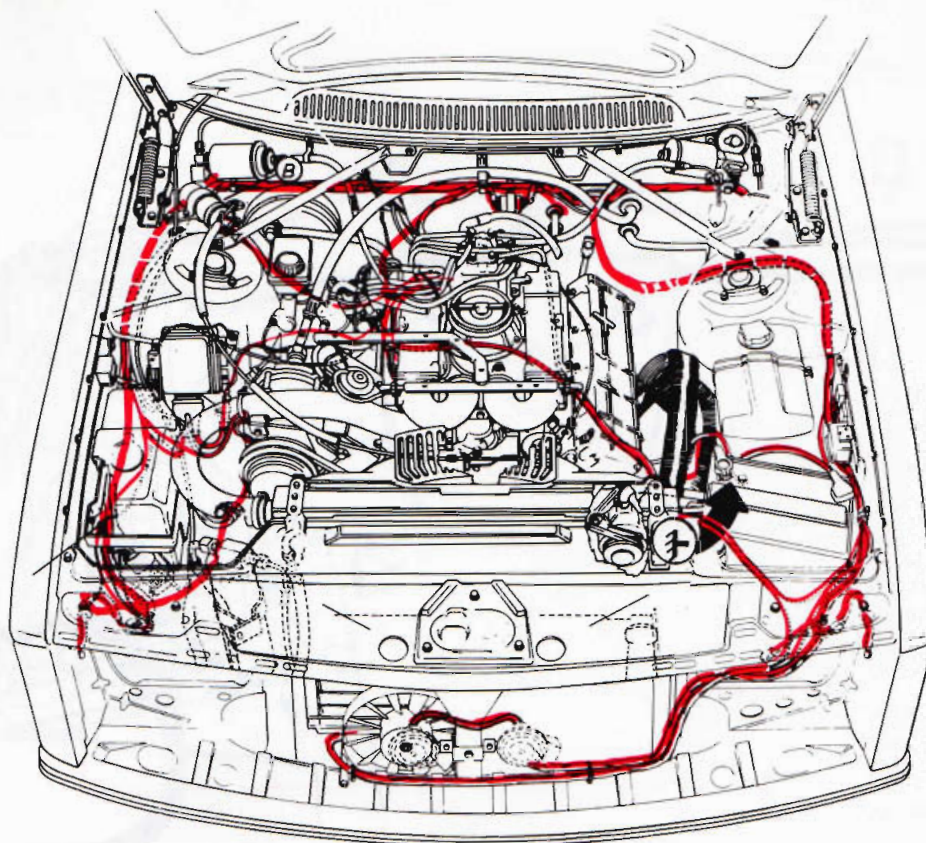
Wiring harnesses

Main wiring harness

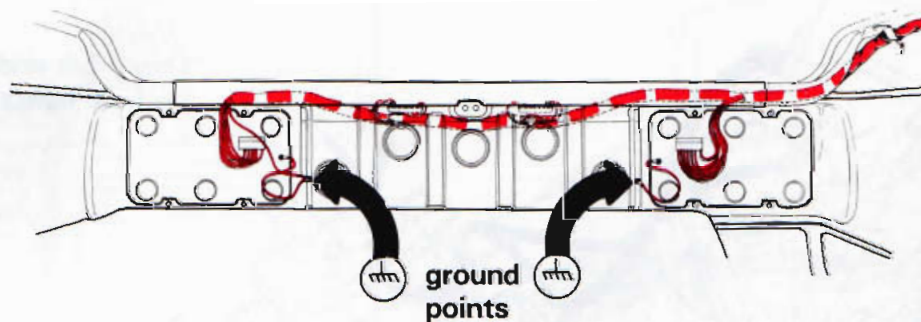


Instruments, controls



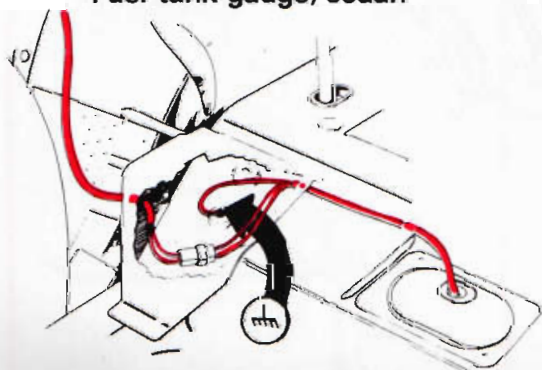


Engine compartment

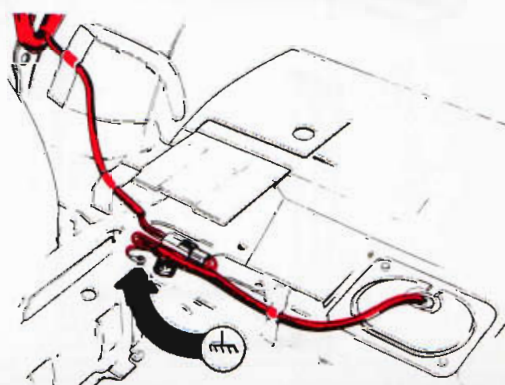


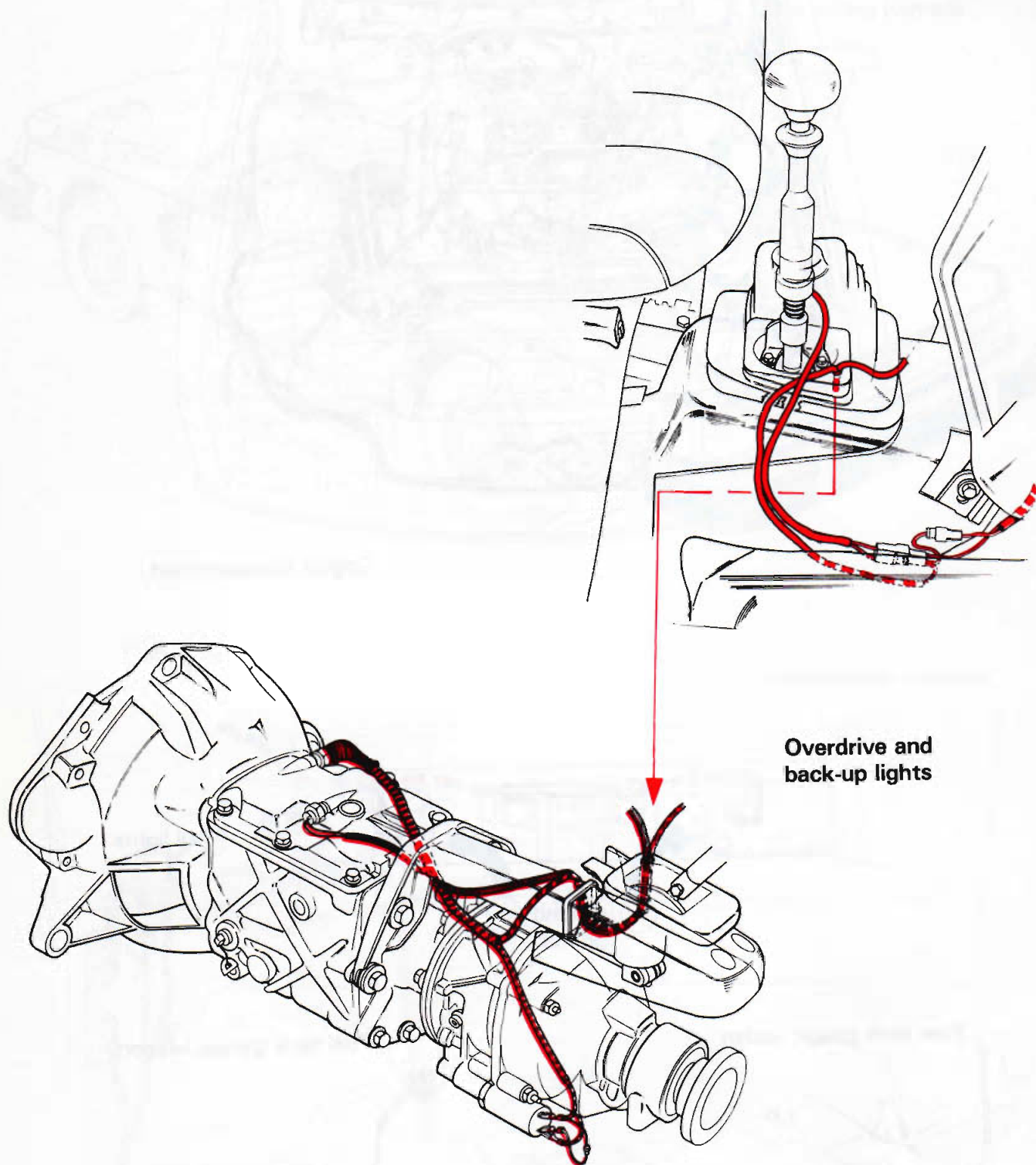
Tail lights

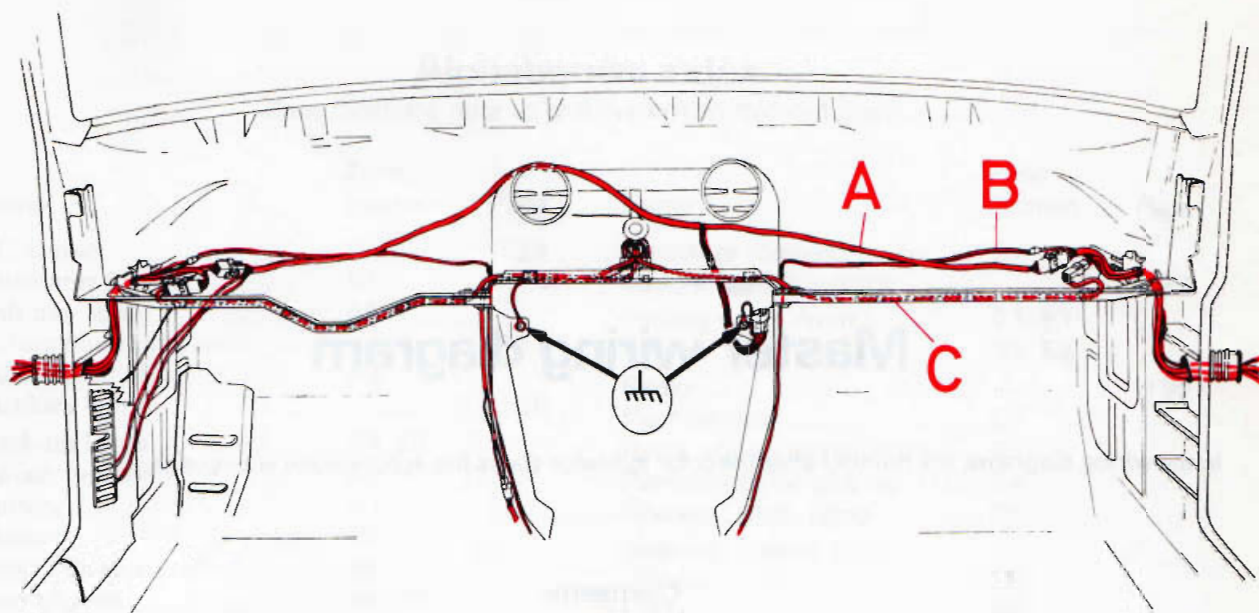
Fuel tank gauge, sedan



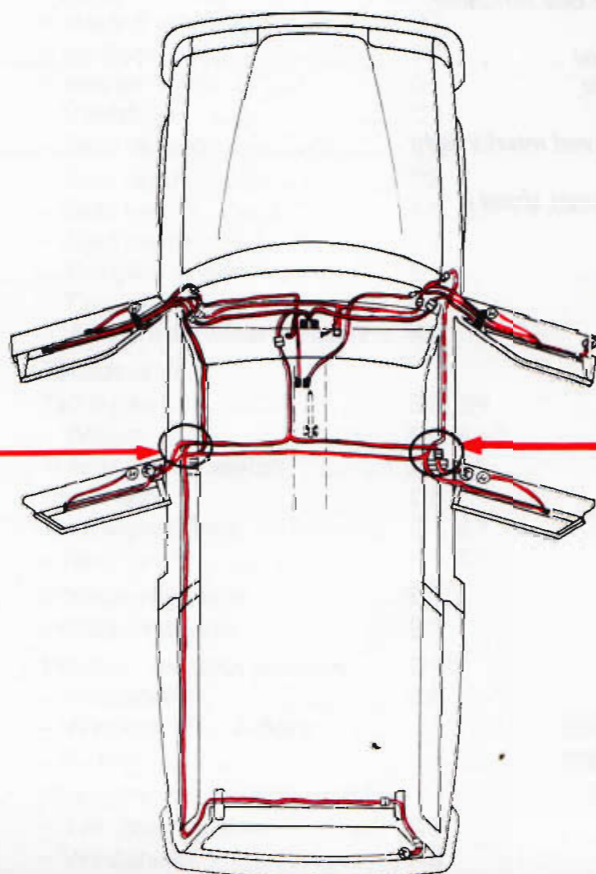
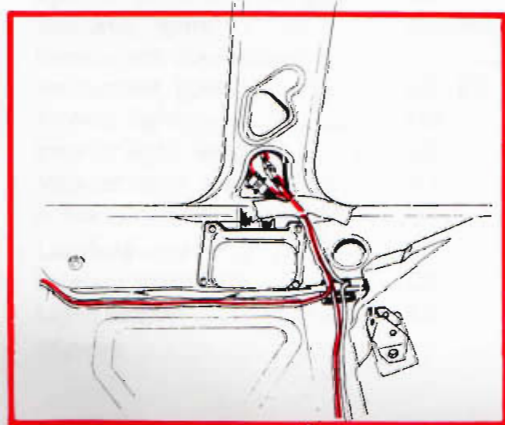
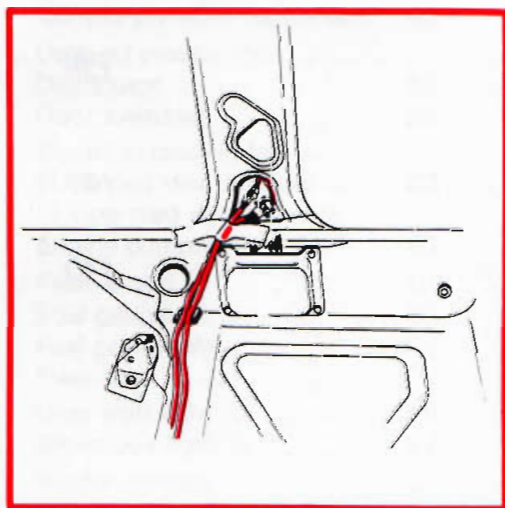
Fuel tank gauge, wagon







- 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.

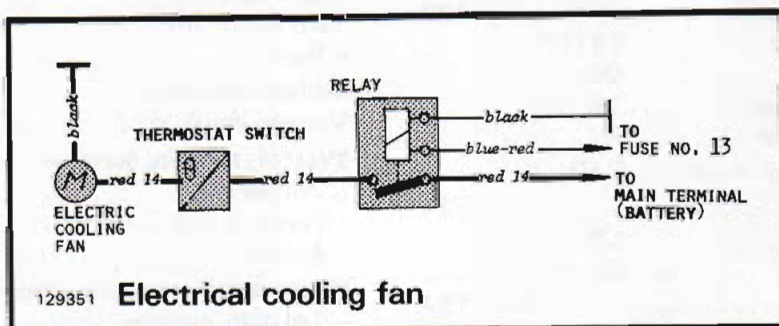
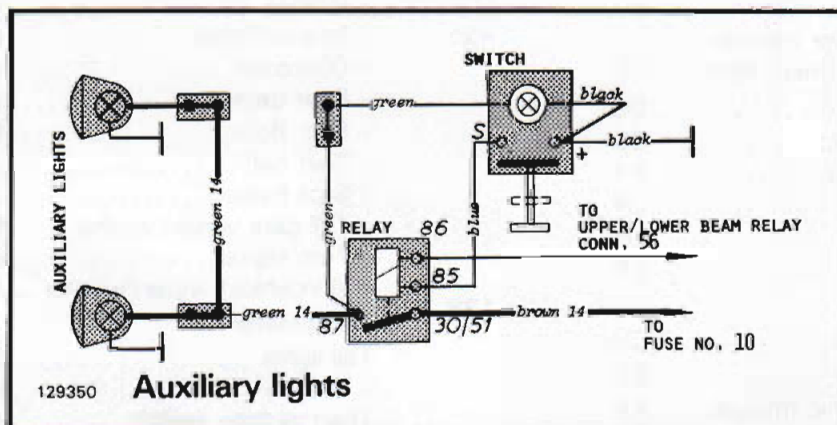
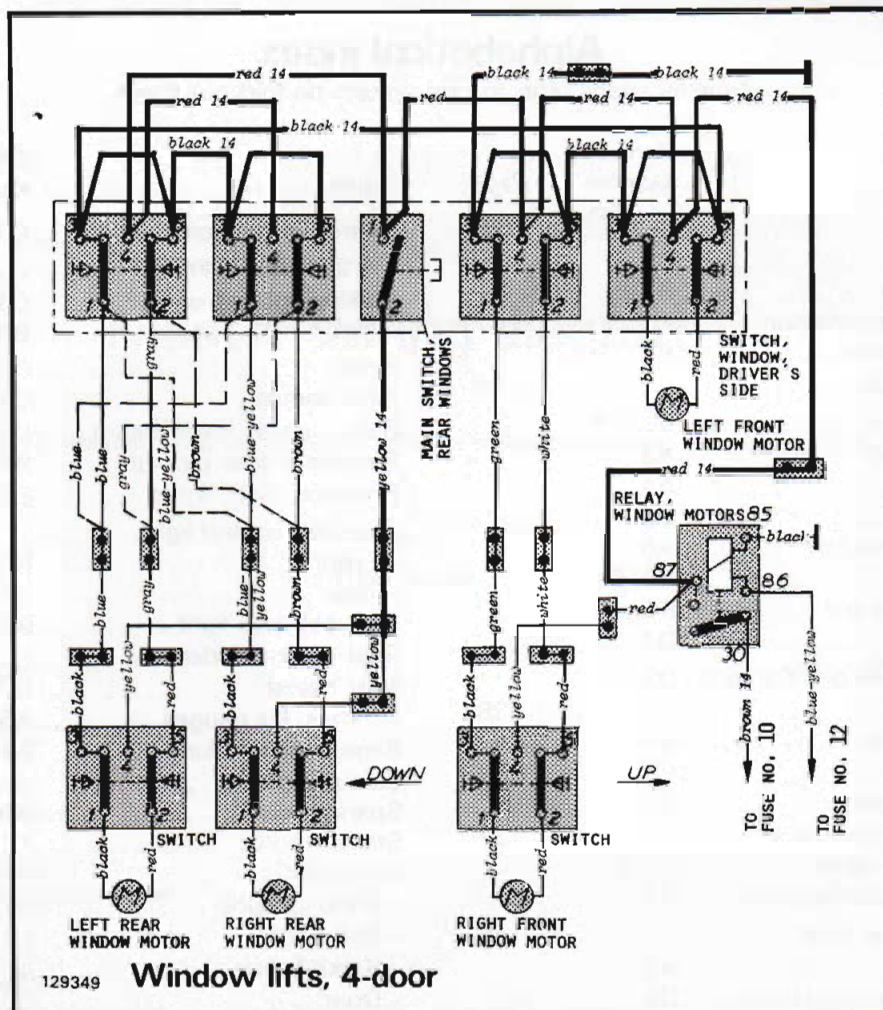
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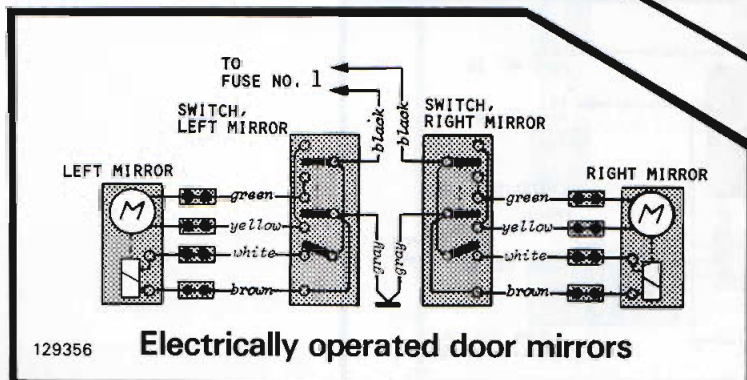
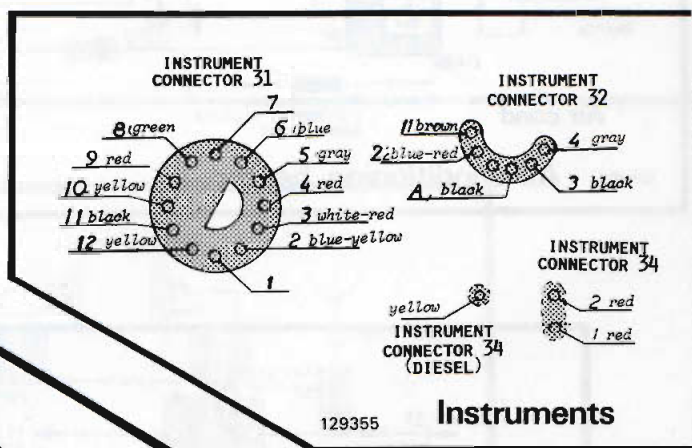
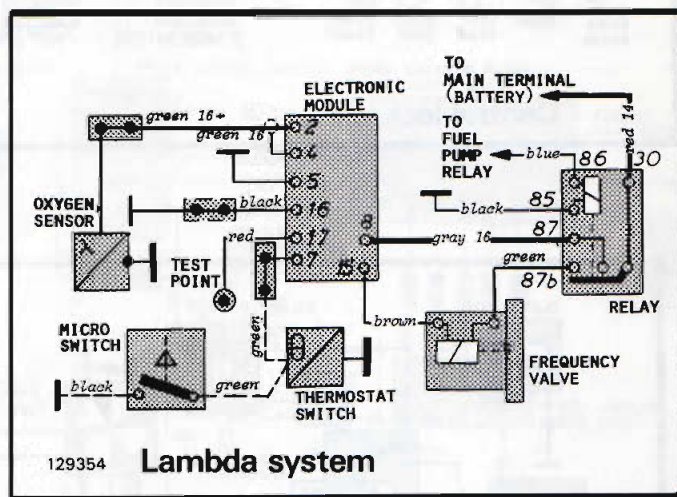
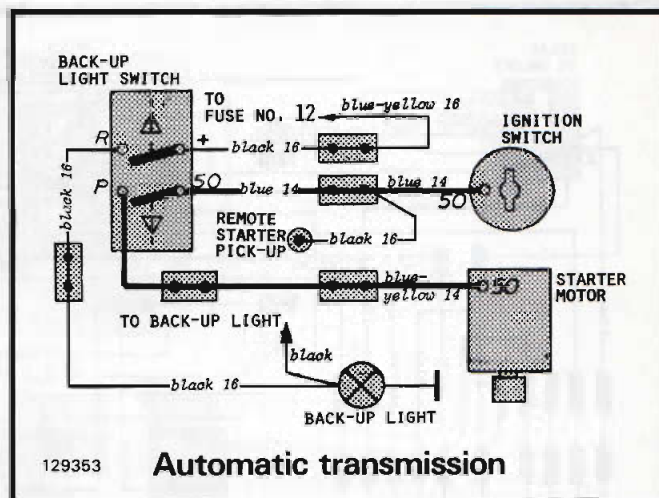
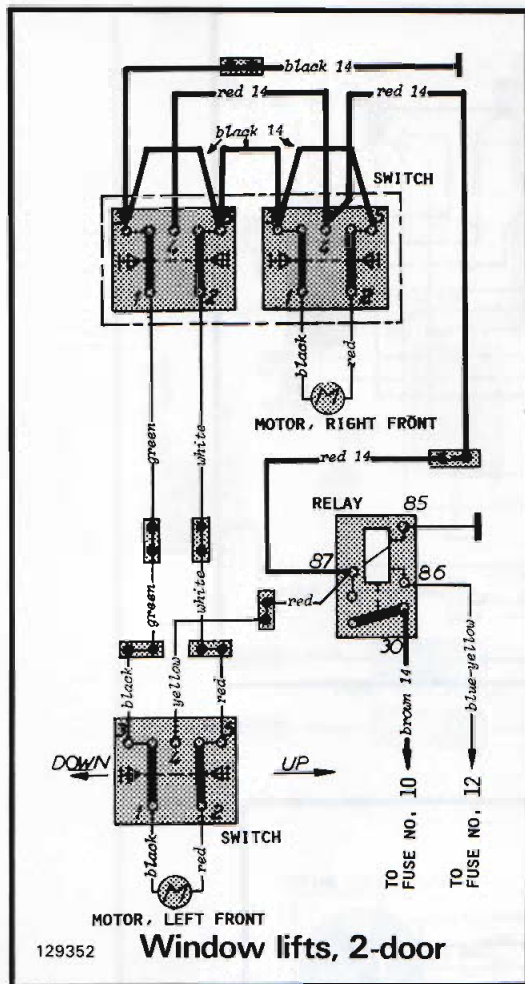
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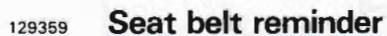
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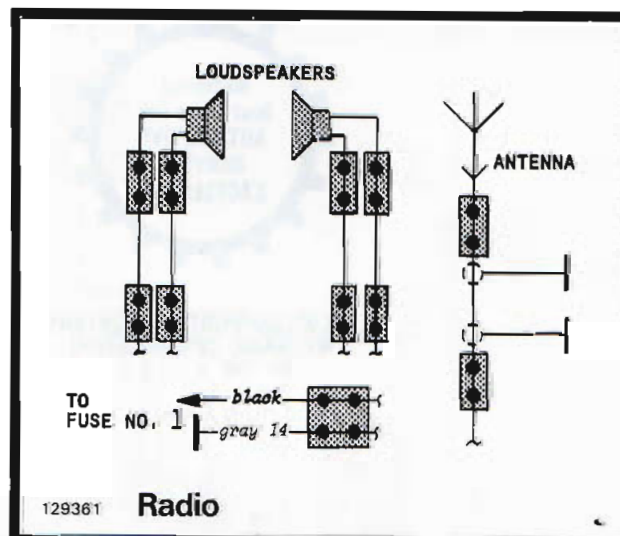
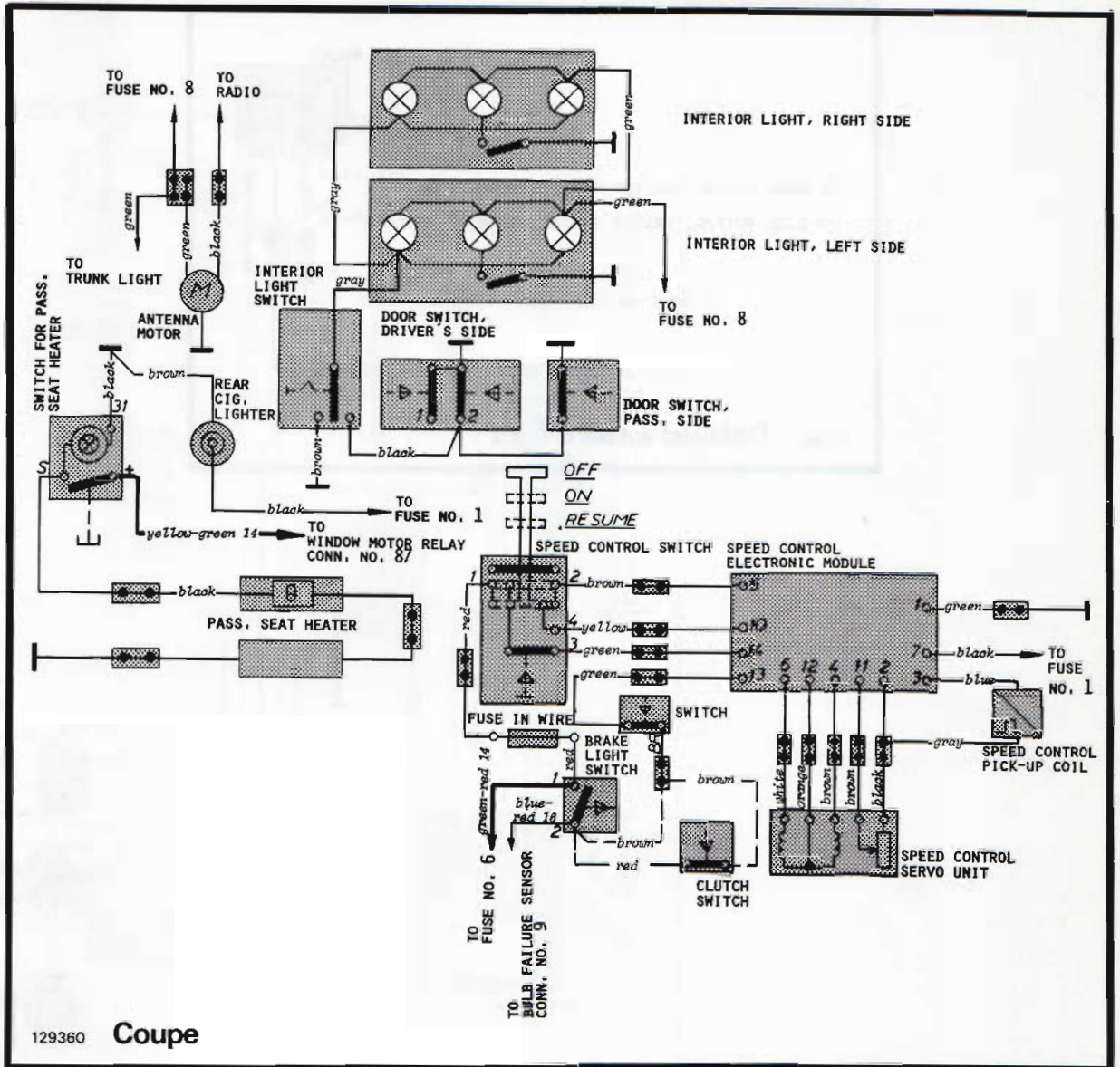
Zone locations refer to grid system on fold-out sheet.

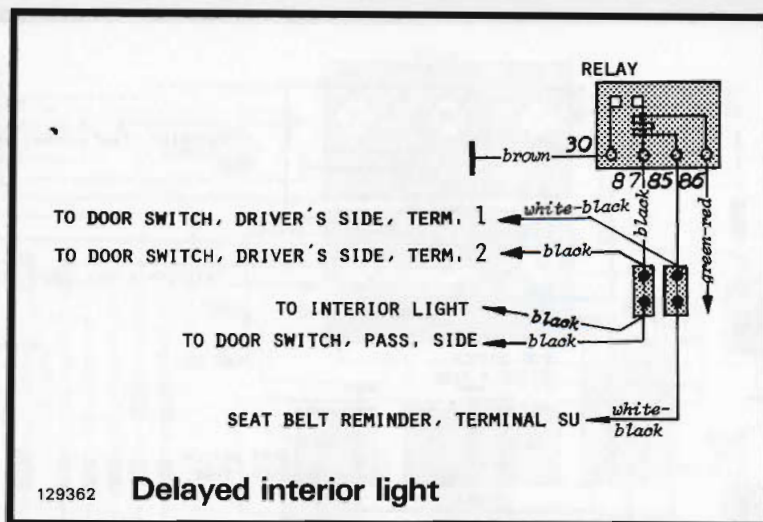
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**VOLVO SUPPORTS VOLUNTARY
MECHANIC CERTIFICATION
BY THE N.I.A.S.E.**

(U.S.A. Only)

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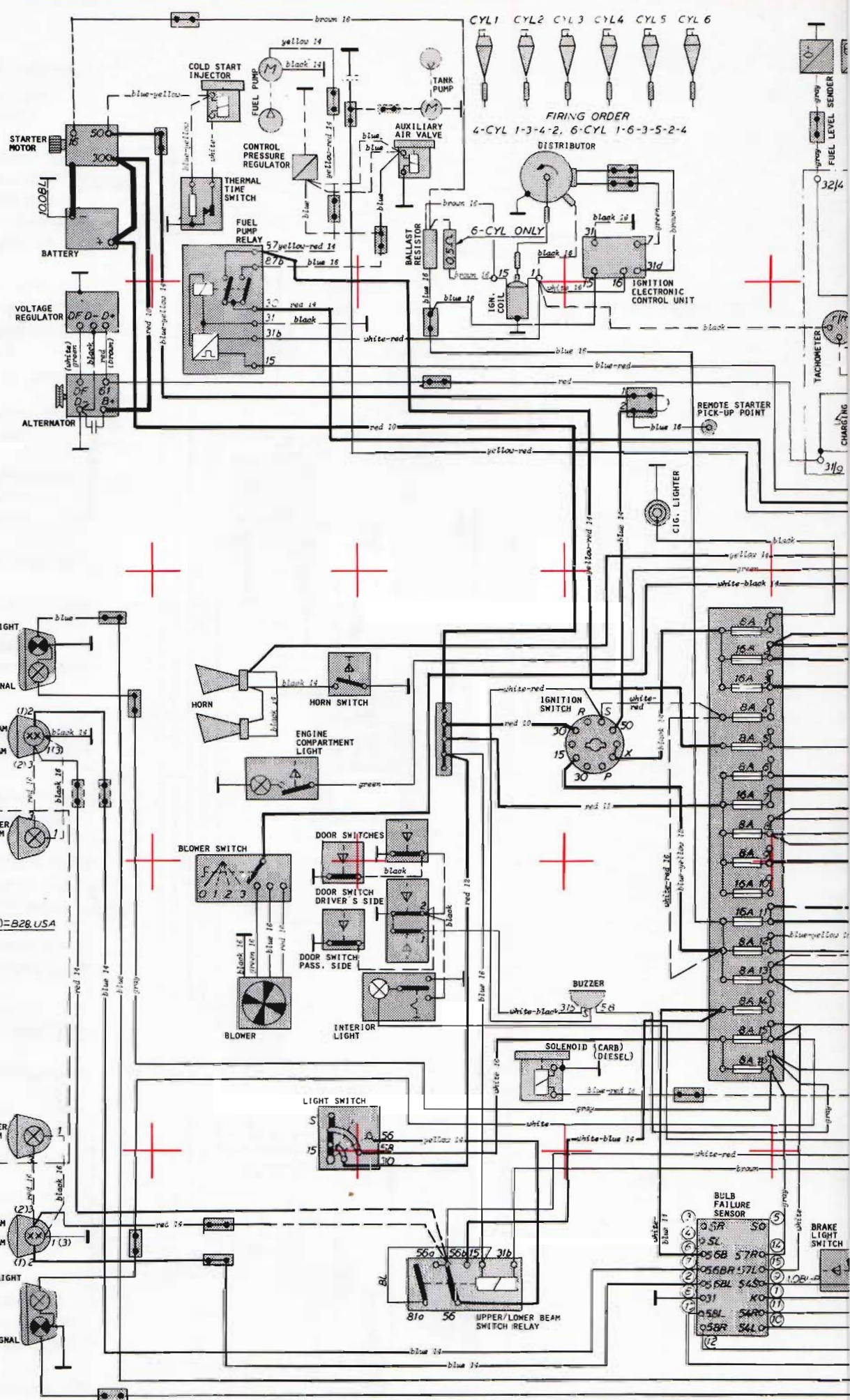
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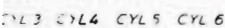
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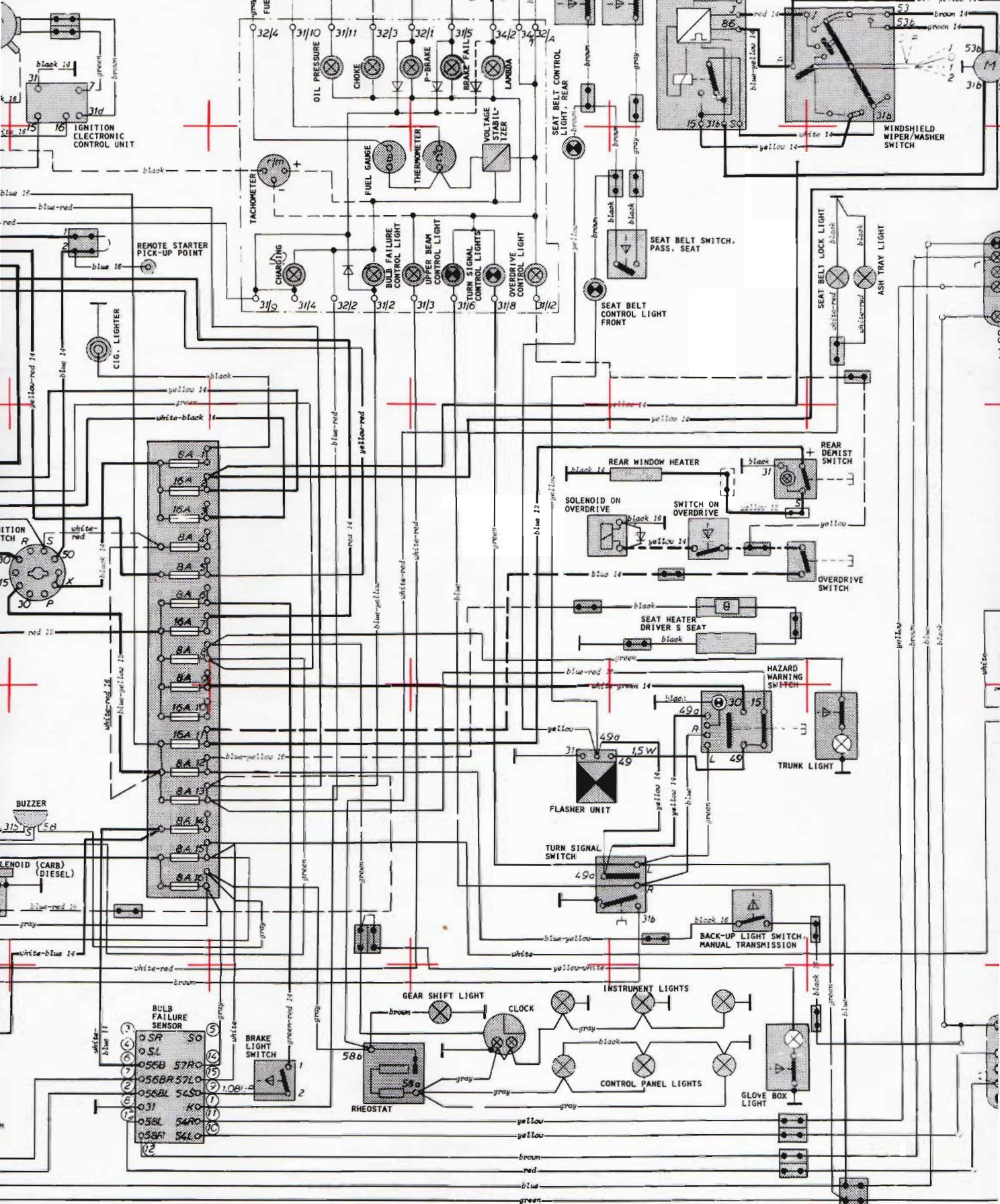


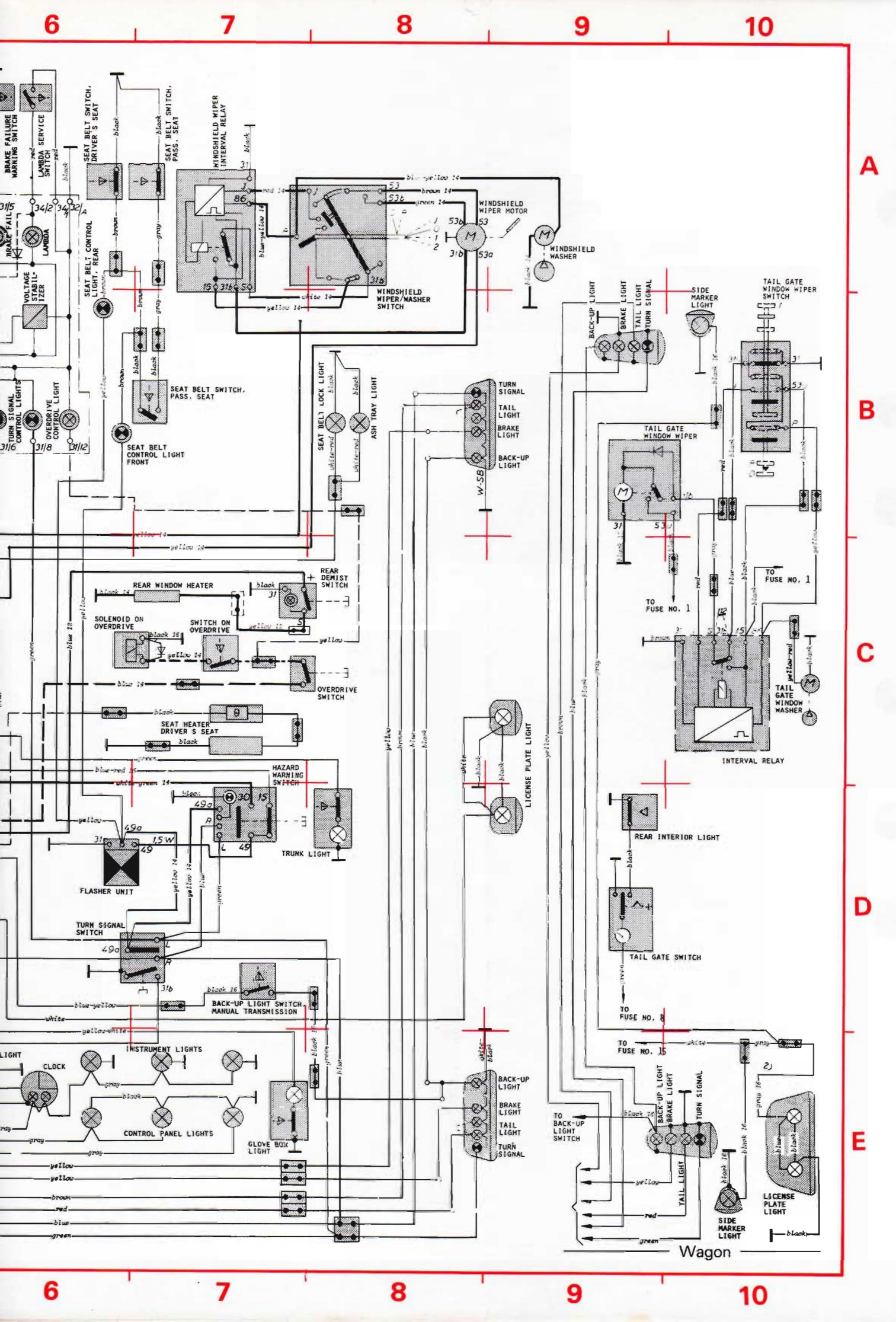


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