

Rolls-Royce and Bentley Cars

**Rolls-Royce Silver Spirit
Rolls-Royce Silver Spur
Rolls-Royce Camargue
Rolls-Royce Corniche
Bentley Mulsanne
Bentley Corniche
Bentley Continental
Bentley Eight
Bentley Mulsanne Turbo
Bentley Turbo R**

Electrical System

Issue record sheet 1

December 1985

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December 1985

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M9-4	_____	M9-28	_____	M10-3	Apr 81	M11-4	_____	M12-4	_____
M9-5	Dec 82	M9-29	Jan 85	M10-4	_____	M11-5	May 83	M12-5	Nov 84
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M9-8	_____	M9-29/2	_____	M10-7	Oct 81	M11-8	_____	M12-8	_____
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		M19-13	May 83			M21-11	Jul 85		
		M19-14	_____			M21-12	_____		
						M21-13	Jul 85		
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M22-12	_____	M22-34	_____						
M22-13	Aug 83	M22-35	Feb 86						
M22-14	_____	M22-36	_____						
M22-15	Feb 86	M22-37	Feb 86						
M22-16	_____	M22-38	_____						
M22-17	Feb 86								
M22-18	_____								
M22-19	Feb 86								
M22-20	_____								
M22-21	Feb 86								
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M25-5	May 83	M26-5	Sep 85			
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M29-7	Oct 85	M29-29	Oct 85
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M29-10	_____		
M29-11	Oct 85		
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Electrical system

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General Information

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General information

Introduction

The circuit diagrams contained in this Chapter have been devised to provide both a theoretical and practical approach to fault diagnosis.

With the exception of Section M3 (which provides details of the way in which power is distributed through the electrical system), each section contains details of individual circuits or systems. Also contained within each section is information regarding the location of components.

The electrical system is 12 volt negative earth. All voltages quoted in this Chapter are direct current (dc) unless otherwise specified.

If when using the diagram component and connector codes, any doubt exists concerning the description or location of items connected with the bodywork of the car, reference should be made to Chapter S, Section S1.

Information on the electrical circuits/components of the air conditioning system and emission control systems are contained in Chapter C and Chapter U respectively.

Component identification

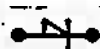
The more commonly used components of the electrical system are represented on the wiring diagrams by the following symbols.

Motor



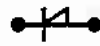
Diode

Current flow left to right

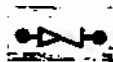


Diode

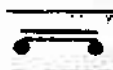
Current flow right to left



Zenner diode



Switch



Micro-switch



Switch (3 position)



Float switch



Pressure switch (fridge)



Temperature switch (open position)



Temperature switch (closed position) or thermally operated circuit breaker



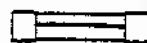
Headlamps sequencing relay



Relay



Bulgin type fuse



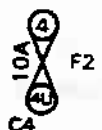
20A Fuse rating
8 Fuse number



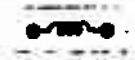
Littel or Buss type fuse



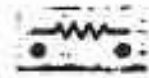
4,4U Cable connections
10A Fuse rating
C4 Fuse number
F2 Fuseboard 2



Solenoid



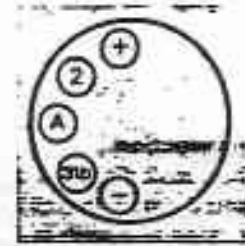
Cigar lighter



Resistance



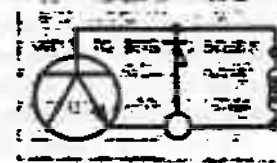
Speedometer



Lamp, single filament



Speed signal generator



Lamp, dual filament



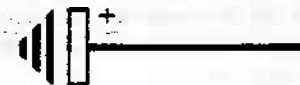
Earth point



Potentiometer



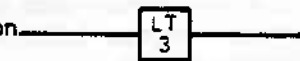
Suppressor



Buzzer



Cable plug/socket connection



Heating element



Splice connection



Battery



Cable identification

Cables are plastic covered and can be identified using the following codes.

B	Black	P	Purple
G	Green	R	Red
K	Pink	S	Slate
LG	Light green	U	Blue
N	Brown	W	White
O	Orange	Y	Yellow

Battery master switch



Transistor



Horn



Cable size Main colour Trace colour



Connector code Connection

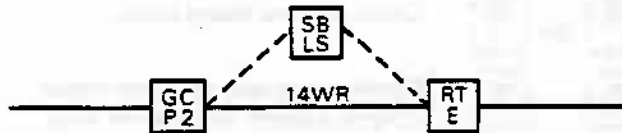
ACU MDL	Automatic air conditioning main distribution loom plug and socket	LA B	Left-hand 'A' post body plugs and sockets
ACU S2	Automatic air conditioning switch plug and socket 2	LA D	Left-hand 'A' post door plugs and sockets
ACS PS	Automatic air conditioning servo plug and socket	LC PS	Luggage compartment plug and socket
BL CU	Boost limiter control unit	LF SP	Left-hand front door solenoid plug and socket
BP VWL	Brake pressure and courtesy light delay unit plug and socket	LHL P2	Left-hand headlamps 2-way plug
BU P or BU PS	Speed control bellows unit plug and socket	LHL P3	Left-hand headlamps 3-way plug
CA P	Coolant level amplifier plug	LI LP	Left-hand interior lamps loom plug and socket
CB C	Circuit breaker board connection	LL LP or LL PS	Left-hand luggage compartment lid plug and socket
CB LT	Circuit breaker board Lucar terminal	LL SP	Luggage compartment lid plug and socket
CB 1 and CB 2	Circuit breaker board plugs	LL TB	Luggage compartment lid terminal block
CS PS or CS UP	Combined sensor plug and socket (Engine coolant and washer fluid)	LM PS	Left-hand front door mirror plug and socket
DI P	Digital instruments plug	LM P1 to LM P4	Lock micro-switch plugs and sockets
DM P1 to DM P4	Door micro-switch plug and socket	LM SP	Left-hand mirror switch plug and socket
EV PS	Engine compartment valance loom plugs and sockets	LMH PS	Left-hand mirror heater plug and socket
FB C	Fuseboard connection	LR D5	Left-hand rear door 5-way plug and socket
FB 1 to FB 5	Fuseboard plugs	LR D7 or LR DP	Left-hand rear door 7-way plug and socket
FS PS or FL PS	Fog lamps switch plug and socket	LR SP	Left-hand rear door solenoid plug and socket
GA P1 or GC P1	Gearchange actuator plug and socket 1	LS LP	Left-hand seat loom plug and socket
GA P2 or GC P2	Gearchange actuator plug and socket 2	LS SP	Left-hand seat switch plug and socket
HC SP	Horns control switch plug and socket	LT G to LT M	Left-hand toeboard sockets
HL SP	Hood lift switch plug and socket	LT C	Left-hand toeboard connections
HW PS	Headlamp wiper motor plug and socket	MD B1 to MD B4	Main diode board plugs
HW SP	Hazard warning switch plug and socket	MD LS	Main distribution loom socket
IL DU or IL P	Interior lamps delay unit plug	OC PS	Oil check switch plug and socket

PL DS	Panel lamps dimming switch plug and socket
RA B	Right-hand 'A' post body plugs and sockets
RA D	Right-hand 'A' post door plugs and sockets
RC PS	Radio/cassette choke plug and socket
RF SP	Right-hand front door solenoid plug and socket
RHL P2	Right-hand headlamps 2-way plug
RHL P3	Right-hand headlamps 3-way plug
RI LP	Right-hand interior lamps loom plug and socket
RL LP	Luggage compartment lid right-hand plug and socket
RM PS	Right-hand front door mirror plug and socket
RM SP	Right-hand mirror switch plug and socket
RMH PS	Right-hand mirror heater plug and socket
RR D5	Right-hand rear door 5-way plug and socket
RR D7 or RR DP	Right-hand rear door 7-way plug and socket
RR SP	Right-hand rear door solenoid plug and socket
RS LP	Right-hand seat loom plug and socket
RS SP	Right-hand seat switch plug and socket
RT A to RT F	Right-hand toeboard sockets
RT CR	Radio/cassette tape play unit change-over relay plugs
RT C	Right-hand toeboard connections
SB C	Switchbox connector
SB LS or SB LP	Seat belt loom plug and socket
SB PS	Speaker balance loom plug and socket
SB 7	Switchbox 7-way plug and socket
SB 9	Switchbox 9-way plug and socket

SC PS	Steering column plugs and sockets
SCU PS	Speed control unit plug and socket
SD LP	Speaker distribution loom plug and socket
TP PS	Tape play unit plug and socket
WC PS	Washer and coolant level control unit plug and socket
WF AP	Washer fluid level amplifier plug
WM PS	Windscreen wiper motor plug and socket
WS PS	Windscreen wiper switch plug and socket

Left-hand drive cars

When the cable destinations for left-hand drive cars differ slightly from those of right-hand drive cars, the changes are denoted by a dotted line.



Identification of fuses and fuseboards

From VIN *SCAZS0006GCX13860* (excluding VIN *SCAZN0004FCH14000* to VIN *SCAZN0009FCH14025*) a new type of fuseboard is fitted incorporating Littell or Buss fuses (these fuses are not interchangeable with Bulgin type fuses).

Therefore when working to a wiring diagram or component location showing the earlier Bulgin type of fuse, reference must be made to figure M1-1.

Toeboard connections

Ensure that the engine compartment toeboard connections are kept clean and are protected against the ingress of water by the application of a damp-proofing agent such as WD40.

Test equipment

It is essential that only recommended test equipment is used, otherwise damage may occur to an electrical component/circuit.

In order to take electrical measurements of either voltage, current, or resistance a suitable meter is required. If a multi-meter is being used it is important that before connecting the meter to the component/circuit being tested the correct range is selected on the meter. Before using an ohmmeter on a component/circuit, **always** disconnect the battery.

Although a 12 volt test lamp may be used for fault finding, **never** use a test lamp on circuits that contain electronic components, since damage to these components may result.

Circuits controlled	Bulgin fuse number	Letel or Buss fuse number and fuseboard identification	Fuse rating (amps)	Circuits controlled	Bulgin fuse number	Letel or Buss fuse number and fuseboard identification	Fuse rating (amps)
Cellular telephone when fitted	—	A1 - F2	4A	Rear window demister and mirror heaters	11	B4 - F3	20A
Cellular telephone when fitted	—	A2 - F2	10A	Reverse lamps, stoplamps, speed control, headlamp wash	10	B3 - F3	20A
Interior lamps	1	A6 - F2	10A	Direction indicators, headlamp flash, fuel door, horns control	14	B2 - F3	20A
Radio, panel illumination, ACU control	20	B1 - F2	10A	Cigar lighters, clock, aerial, fuel door	7	C4 - F3	20A
Radio amplifier when fitted	19	B2 - F2	10A	Engine cooling fan	2	C1 - F3	20A
Starter, ignition, fuel pump	27	B3 - F2	10A	Engine cooling fan	9	C1 - F3	20A
Instruments and warning lamps	28	B4 - F2	10A	Wipers and washers	5	B1 - F3	20A
ACU control	8	B5 - F2	10A	Spare	—	B6 - F3	20A
Spare	—	B6 - F2	10A	Fuel pump	13	B5 - F3	20A
L.H. Tail lamp	15	C1 - F2	10A	Horns	3	C3 - F3	20A
R.H. Tail lamp	22	C2 - F2	10A	Fog lamps when fitted	12	C6 - F3	20A
Parking lamps, number plate lamps, W.L. dim control	16	C3 - F2	10A	Air horns when fitted	4	C5 - F3	20A
L.H. Dip beam	24	C4 - F2	10A	Hazard warning	6	C2 - F3	20A
R.H. Dip beam	25	C5 - F2	10A				
Spare	—	C6 - F2	10A				
Spare	—	A6 - F3	20A				

Fig. M1-1 Fuse and fuseboard identification

Guides to electrical diagnosis

1. Always try to verify the exact nature and history of the complaint. If the operation of a particular circuit is not fully understood, a malfunction may be reported, when in fact, the system is operating correctly.
2. Familiarize yourself with the operation of the circuit to be tested. Also the lay-out of the components in that circuit. Make reference to the appropriate section within this Chapter.
3. Always consider the symptoms and then decide on the most advantageous and convenient point at which to commence your investigation. The unnecessary removal of items of trim is costly and damage could result.

Fitting electrical accessories

When fitting electrical accessories it is recommended that they are wired from the fuseboard and that the fuse is of the correct size and rating. Also, it is essential that the correct size of cable is used.

Spare fuse positions are available on the fuseboard. They are designed to take fuses of either 10 amperes (small size fuse) or 20 amperes rating. Do not under any circumstances replace an existing fuse with one of a larger size or higher rating.

If the accessory incorporates an in-line fuse it is essential that the in-line fuse is of a lower rating than that on the fuseboard.

When wiring an accessory into an existing circuit, reference should be made to the wiring diagram applicable to that circuit, to ensure that the circuit will not become overloaded.

Special precautions

Extreme caution must be exercised, when work is carried out on the electrical system.

Whenever possible the gear range selector lever should be placed in the Park position, the gearchange isolator (located on the fuseboard) and ignition key removed, the battery master switch turned to the OFF position, and the battery disconnected.

Failure to observe the following precautions could cause damage to the electronic components in the system.

Always ensure correct polarity when making cable connections.

Never disconnect the battery when the engine is running.

Where reference is made in this Chapter to the use of voltmeters or continuity testers never use generator type meters.

Relays

Contents	Pages					
	Silver Spirit Mulsanne	Silver Spur	Mulsanne Turbo	Bentley Eight	Bentley Turbo R	Corniche/ Continental
Introduction	M2-3	M2-3	M2-3	M2-3	—	M2-3
Location	M2-3	M2-3	M2-3	M2-3	—	M2-3
Cars prior to vehicle identification number (VIN) * SCAZS42A3FCX12001 *						
Component location	M2-5 to M2-14	M2-5 to M2-14	M2-9 to M2-14	M2-9 to M2-14	— —	M2-15 to M2-20
Cars from vehicle identification number (VIN) * SCAZS42A3FCX12001 *						
Component location						
Right-hand drive cars	M2-21	M2-21	M2-21	M2-21	M2-21	—
Left-hand drive cars	M2-24	M2-24	M2-24	M2-24	M2-24	—

Relays

Introduction

A relay is an electrically operated control that is activated from a separate component e.g. switch. Fitting relays eliminates the need for heavy duty type switches and enables light duty types of switches to be used.

An example of how a circuit containing a relay operates is shown in figure M2-1. When the contacts of the switch (item 1) are made the control circuit of the relay (indicated by the arrowed lines) provides a 12 volt positive feed to the relay coil (item 2) thus energizing the coil. Energizing the coil causes the normally open contacts marked 30 and 87 to close. This then allows a 12 volt positive feed from the supply circuit fuse (item 3) to be fed through the contacts to supply the component (item 4).

Relays are also used to provide change-over functions i.e. to change from one circuit to another. An example of how the change-over function is accomplished is shown in figures M2-2, M2-3, and M2-4.

With both switches (A and B) in the open position (see fig. M2-2) bulbs 1 and 2 are extinguished. By closing the contacts of switch B (see fig. M2-3) a 12 volt positive feed is supplied from the supply fuse (item 3) through the normally closed relay contacts 30 and 87a to illuminate bulb 2.

Operation of switch A (see fig. M2-4) energizes the relay coil. This transfers the feed from relay contacts 30 and 87a to contacts 30 and 87, this causes bulb 2 to be extinguished and bulb 1 to illuminate.

Location

With two exceptions relays are interchangeable. The stop lamp failure relay is of a different type and cannot physically be interchanged with other relays on the car.

The starter relay on cars fitted with a blue Lucas (round bodied) type relay must not be interchanged with other relays on the car.

Figure M2-5 shows the position of the relays fitted to early Silver Spirit, Silver Spur, and Mulsanne

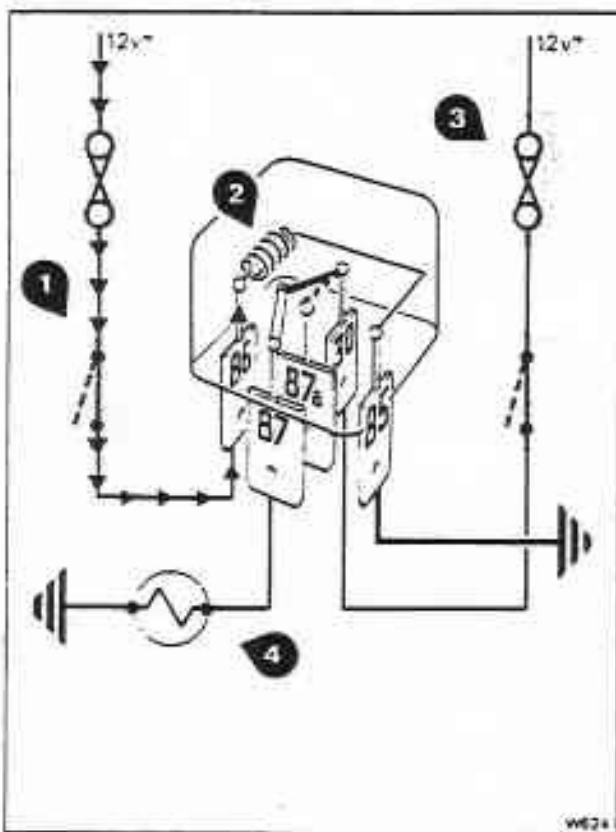


Fig. M2-1 Switching relay - energized

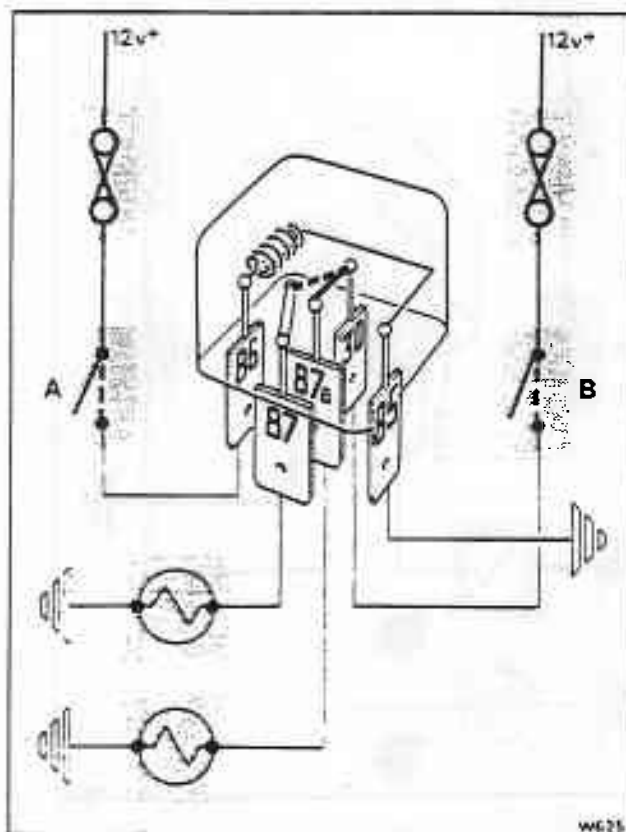


Fig. M2-2 Change-over relay - isolated

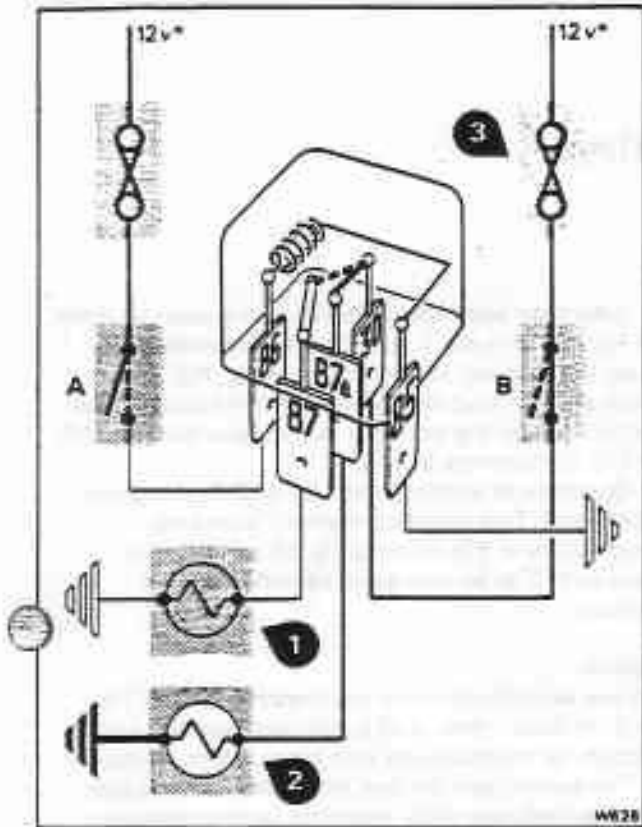


Fig. M2-3 Change-over relay - unenergized

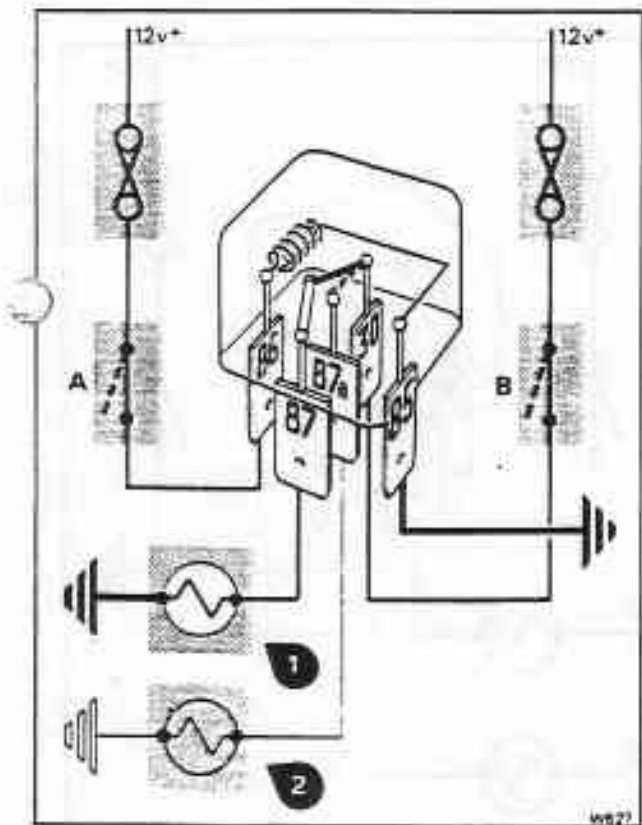


Fig. M2-4 Change-over relay - energized

(excluding Turbo) cars. Figures M2-6 to M2-9 inclusive are applicable to Silver Spirit, Silver Spur, Corniche, Bentley Eight, Mulsanne (including Turbo) and Continental cars prior to 1985 model year cars.

The fitting of relays is dependent upon individual car specification. For example on cars conforming to a North American specification, which prohibits the fitting of rear fog lamps, the appropriate relay will be omitted.

The relays are positioned in groups. Access to the relay group on the driver's side of the car (interior relays) requires the removal of the knee roll trim.

Two relays are mounted on each front seat mechanism, access is gained by removing the appropriate seat cushion.

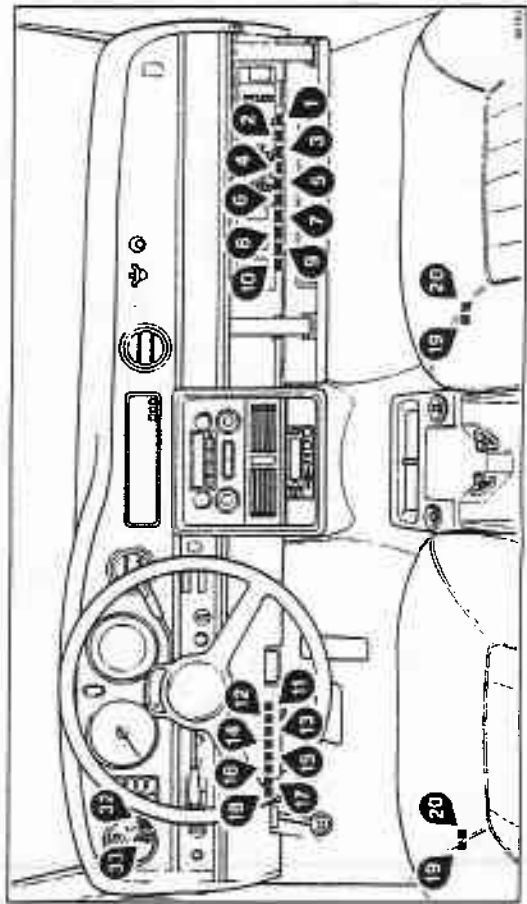
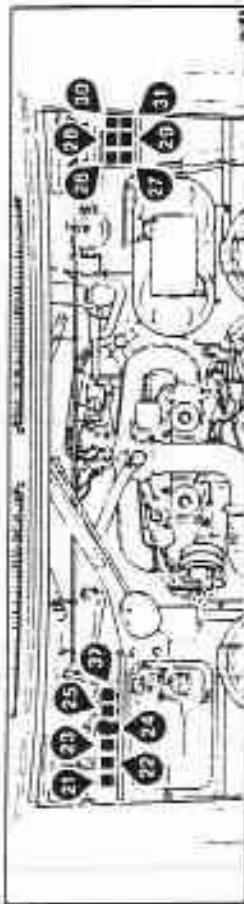
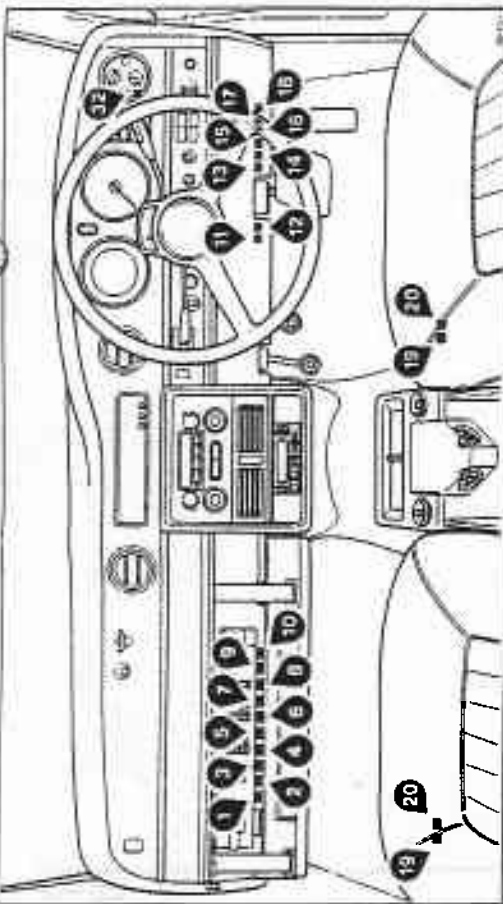
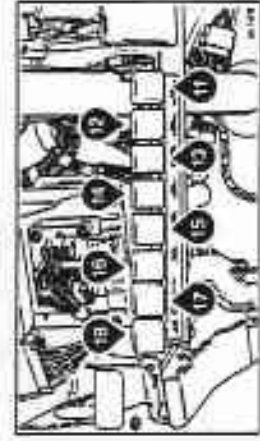
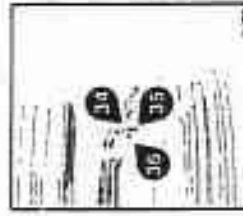
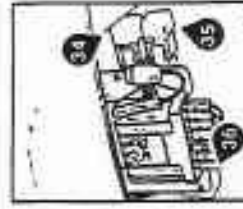
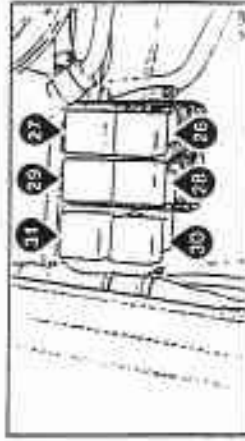
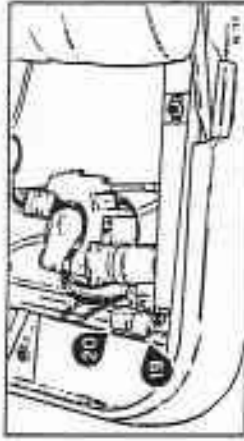
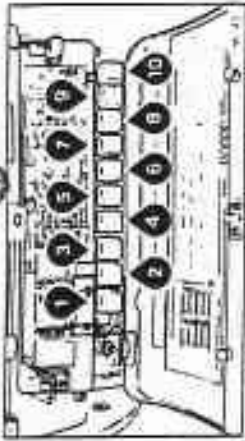
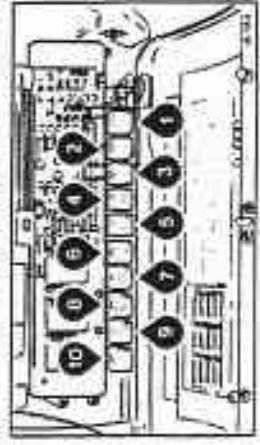
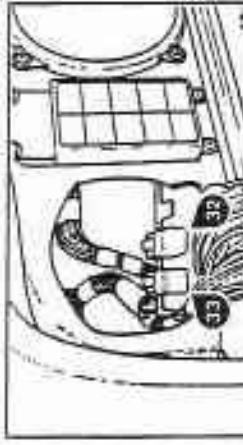
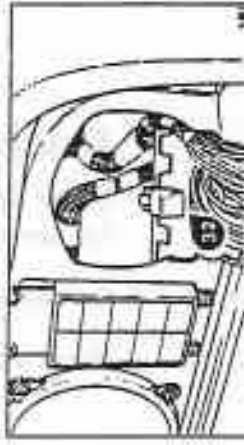
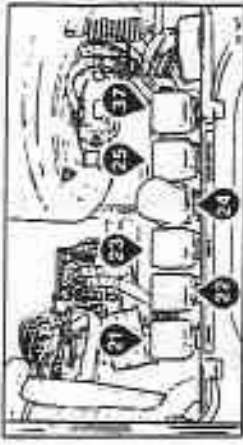
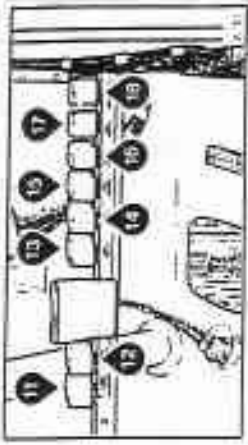
Removal of the luggage compartment right-hand trim carpet will give access to all the relays in the luggage compartment.

Relays

Silver Spirit, Silver Spur, and
Mulsanne

Component location

Figure M2-5



Key to fig. M2-5

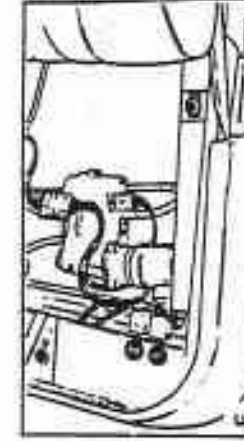
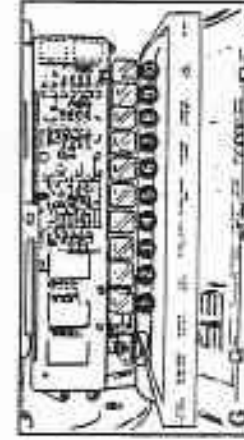
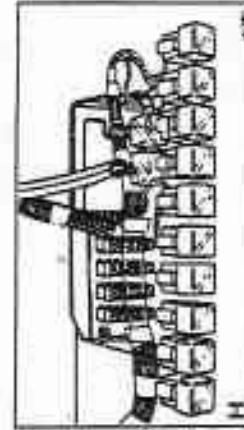
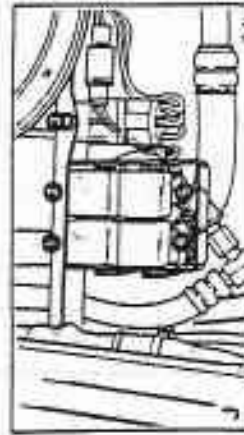
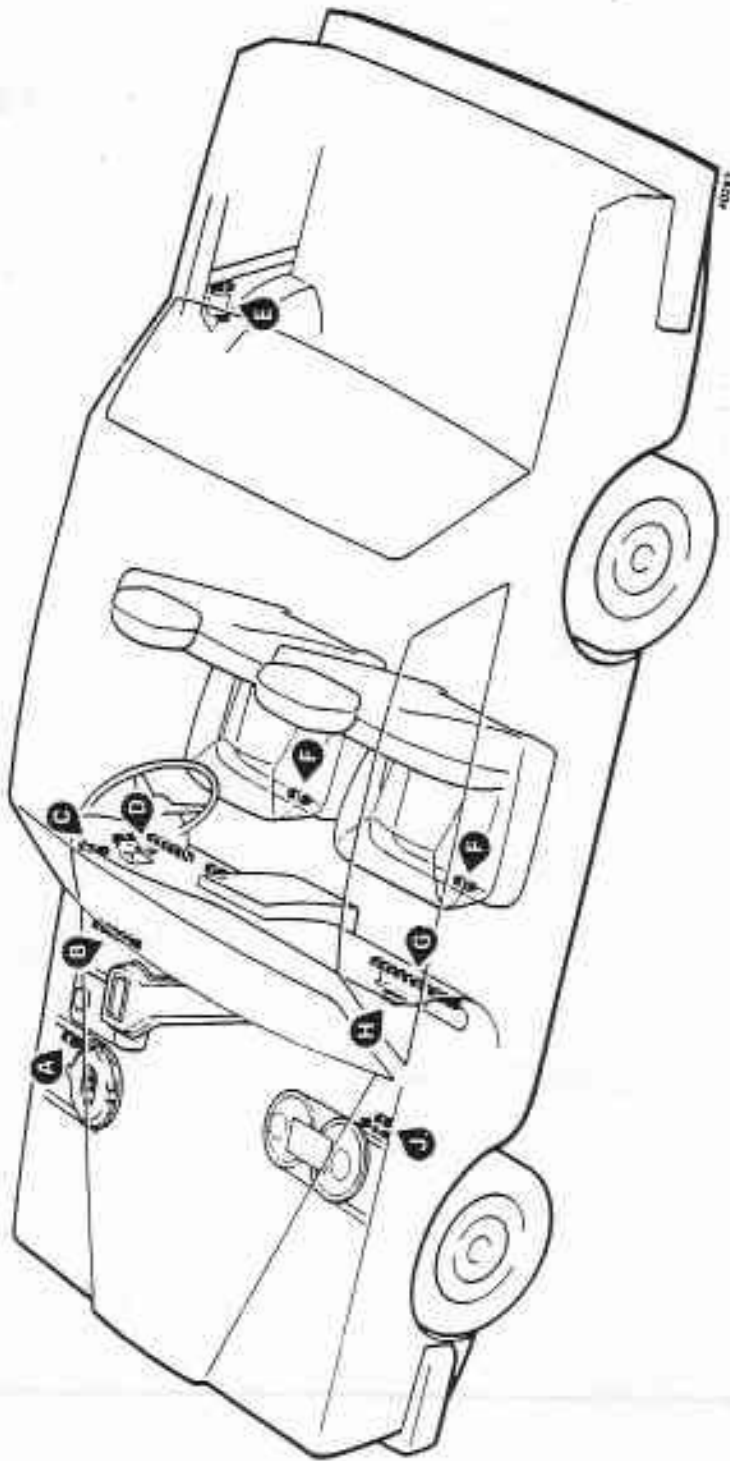
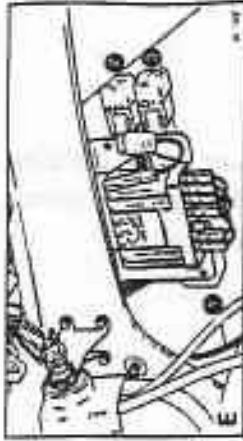
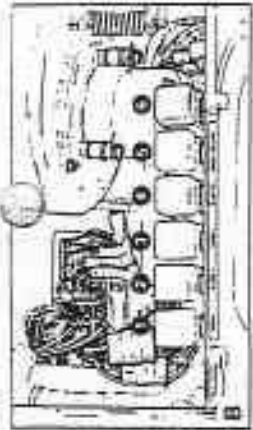
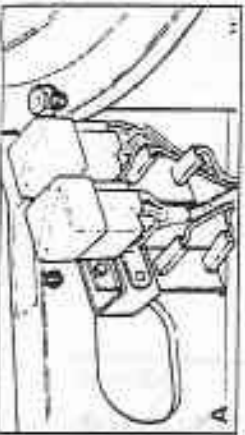
- 1 Rear fog lamps
- 2 Headlamps wash/wipe
- 3 Washer fluid level
- 4 Fuel filler door
- 5 Warning lamps test
- 6 Warning lamps dimming
- 7 Interior lamps
- 8 Cranking interlock
- 9 Fuel pump (Cars other than those fitted with a fuel injection system)
- 10 Aerial
- 11 Speed control
- 12 Fans switch-off
- 13 Fans control
- 14 Engine running
- 15 Air conditioning control
- 16 Lower quantity
- 17 Mode change
- 18 Recirculation
- 19 Seat relay 1
- 20 Seat relay 2
- 21 Windscreen wipers 1
- 22 Windscreen wipers 2
- 23 Windscreen wipers 3
- 24 Starter
- 25 Speed control safety
- 26 Horns
- 27 Headlamp safety
- 28 Headlamp flash (*Cars other than those conforming to a North American specification*)
- 29 Coolant level
- 30 Headlamp wipers 2
- 31 Headlamp wipers 1
- 32 Window lifts
- 33 Key warning buzzer (*Cars conforming to a North American specification*)
- 34 Rear window demister
- 35 Fuel pumps (Cars fitted with a fuel injection system)
- 36 Stop lamp failure
- 37 Ignition vacuum retard (*Applicable to all Japanese and certain 1981/early 1982 North American model year cars*)

Relays

**Silver Spirit, Silver Spur, Bentley Eight,
and Mulsanne (including Turbo)
Right-hand drive cars**

Component location

Figure M2-6



Key to fig. M2-6

A

- 1 Choke pull-down
Bentley Mulsanne Turbo
- 2 Choke control heater resistor
Bentley Mulsanne Turbo

B

- 1 Windscreen wipers 1
- 2 Windscreen wipers 2
- 3 Windscreen wipers 3
- 4 Starter
- 5 Speed control safety
- 6 Choke heater
Bentley Mulsanne Turbo
Ignition vacuum retard
(Cars conforming to a Japanese specification)

C

- 1 Window lifts
- 2 Generator warning lamp
Cars fitted with a CAV alternator
- 3 Rear window lifts isolation
or
Electric window lift master switch

D

- 1 Speed control
- 2 Fans switch-off
- 3 Fans control
- 4 Engine running
- 5 Air conditioning control
- 6 Lower quantity
- 7 Mode change
- 8 Recirculation
- 9 Vacuum pump
Bentley Mulsanne Turbo
- 10 Boost limiter
Bentley Mulsanne Turbo

E

- 1 Stop lamp failure
- 2 Rear window demister
- 3 Auxiliary start
(Cars conforming to a Japanese specification)

F

- 1 Seat relay 1
- 2 Seat relay 2

G

- 1 Rear fog lamps
(Cars other than those conforming to a Japanese specification)
- 2 Headlamp wash/wipe
(Cars other than those conforming to a Japanese specification)
- 3 Washer fluid level
- 4 Fuel filler door
- 5 Warning lamps test
- 6 Warning lamps dimming

- 7 Interior lamps
- 8 Cranking interlock
- 9 Fuel pump
Cars built prior to August 1984 (Other than those conforming to a Japanese specification)
- 10 Aerial

H

- 1 Centralized door unlock
- 2 Centralized door lock

J

- 1 Coolant level
- 2 Headlamps safety
- 3 Refrigeration clutch
Cars fitted with a cycling compressor clutch
- 4 Headlamps flash
- 5 Horns

Key to fig. M2-7

A

- 1 Choke pull-down
Bentley Mulsanne Turbo
- 2 Choke control heater resistor
Bentley Mulsanne Turbo

B

- 1 Windscreen wipers 1
- 2 Windscreen wipers 2
- 3 Windscreen wipers 3
- 4 Starter
- 5 Speed control safety
- 6 Choke heater
Bentley Mulsanne Turbo
Ignition vacuum retard
(Applicable to all Japanese and certain 1981/early 1982 North American model year cars)

C

- Window lifts
- 2 Key warning buzzer
(Cars conforming to a North American specification)
- 3 Generator warning lamp
Cars fitted with a CAV alternator
- 4 Rear window lifts isolation
(Cars other than those conforming to a North American specification)

D

- 1 Speed control
- 2 Recirculation
- 3 Mode change
- 4 Lower quantity
- 5 Air conditioning control
- 6 Engine running
- 7 Fans control
- 8 Fans switch-off
- 9 Boost limiter
Bentley Mulsanne Turbo
- 10 Vacuum pump
Bentley Mulsanne Turbo

E

- 1 Stop lamp failure
- 2 Rear window demister
- 3 Auxiliary start
(Cars conforming to a Japanese or North American specification)

F

- 1 Seat relay 1
- 2 Seat relay 2

G

- 1 Aerial
- 2 Fuel pump
Cars built prior to August 1984 *(Other than those conforming to a Japanese or North American specification)*

- 3 Cranking interlock
- 4 Interior lamps
- 5 Warning lamps dimming
- 6 Warning lamps test
- 7 Fuel filler door
- 8 Washer fluid level
- 9 Headlamps wash/wipe
(Cars other than those conforming to a Japanese or North American specification)
- 10 Rear fog lamps
(Cars other than those conforming to a Japanese or North American specification)

H

- 1 Centralized door unlock
- 2 Centralized door lock

J

- 1 Coolant level
- 2 Headlamps safety
- 3 Refrigeration clutch
Cars fitted with a cycling compressor clutch
- 4 Headlamps flash
(Cars other than those conforming to a North American specification)
- 5 Horns

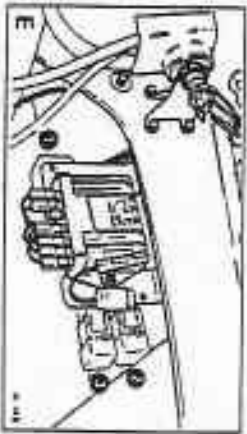
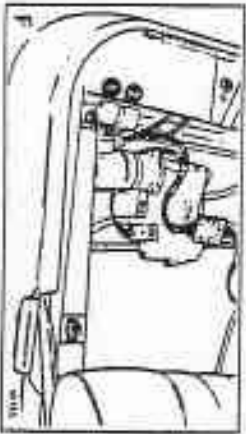
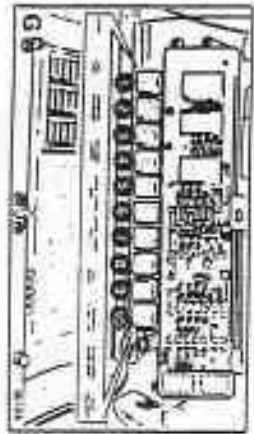
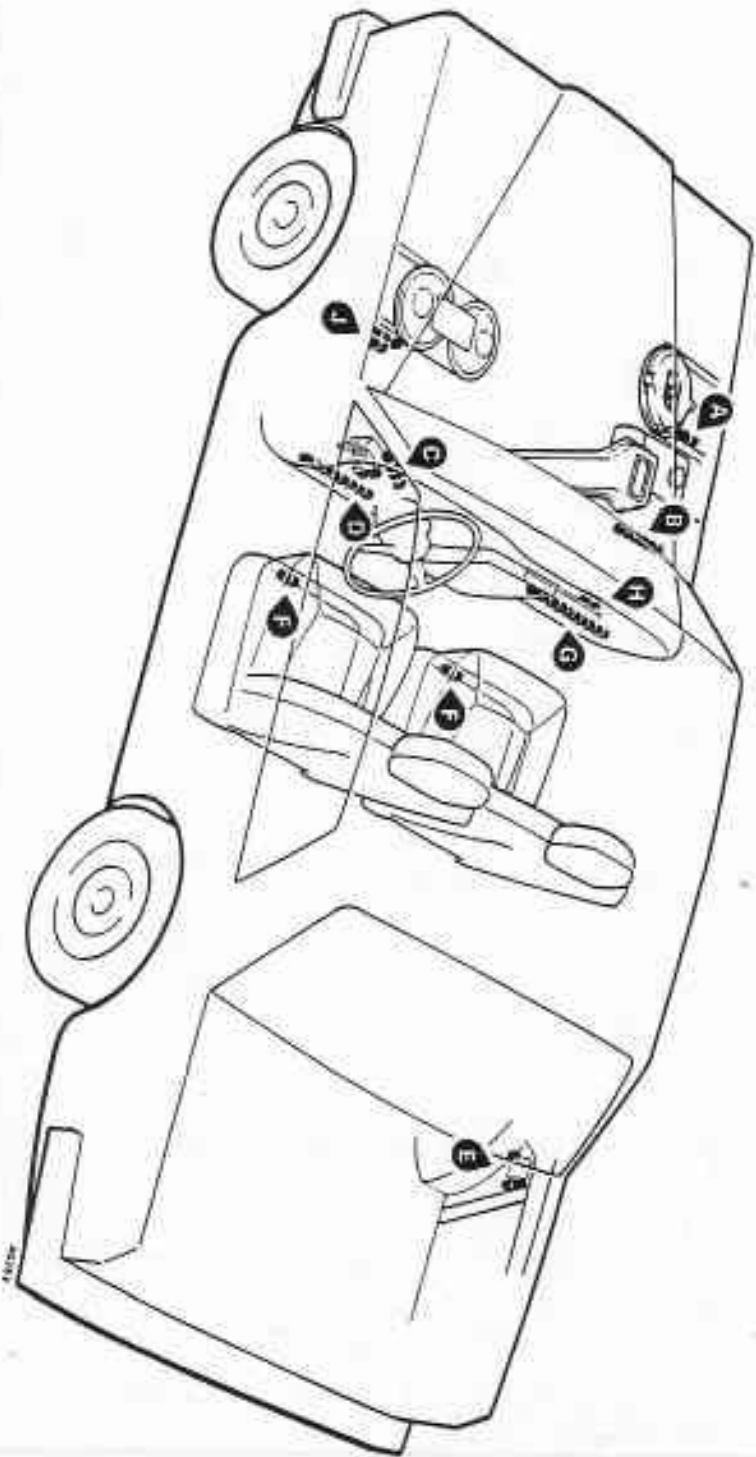
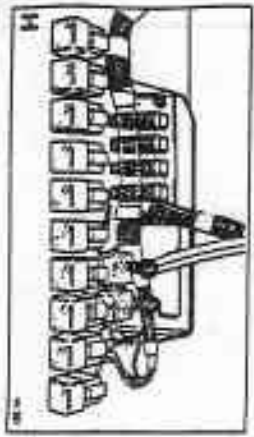
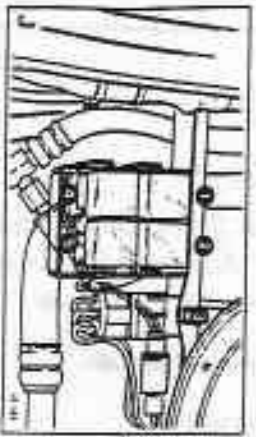
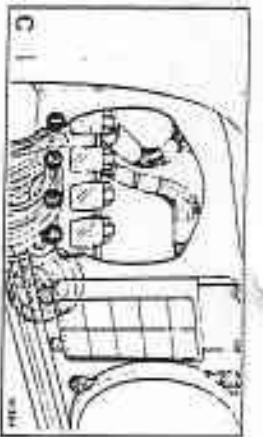
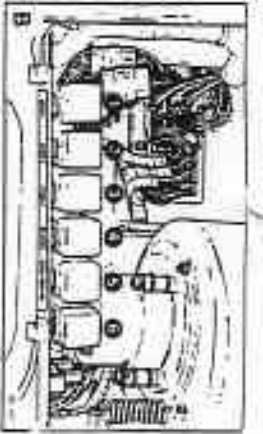
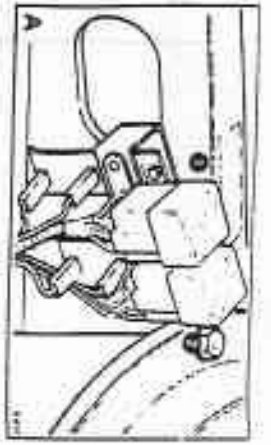
Relays

**Silver Spirit, Silver Spur, Bentley Eight,
and Mulsanne (including Turbo)**

Left-hand drive cars

Component location

Figure M2-7



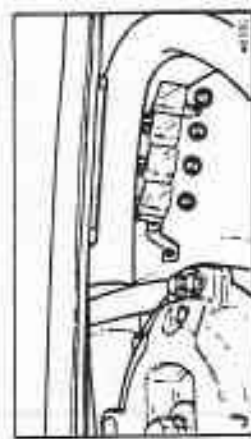
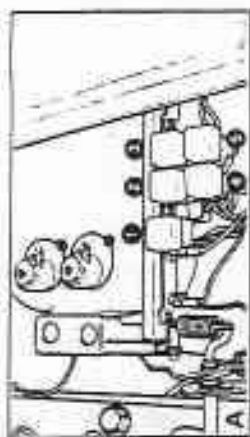
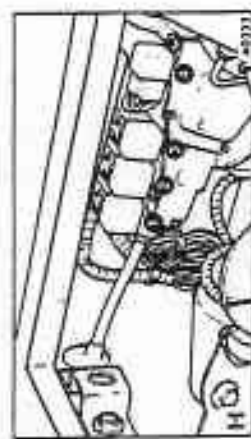
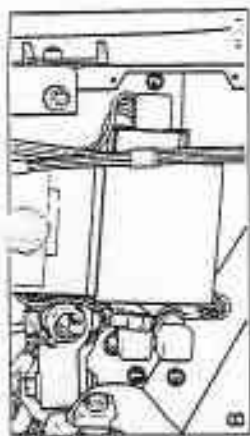
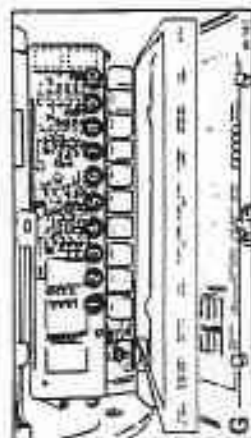
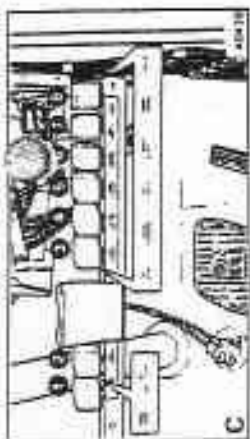
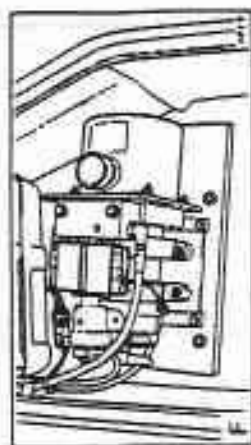
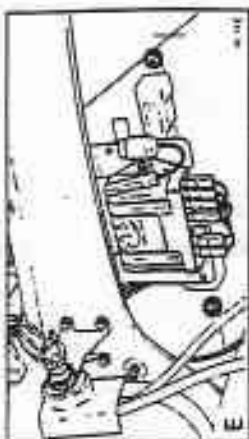
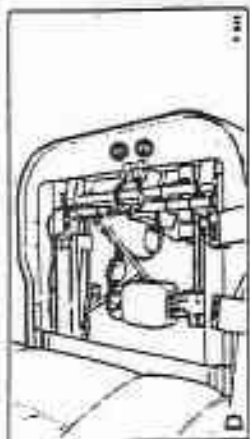
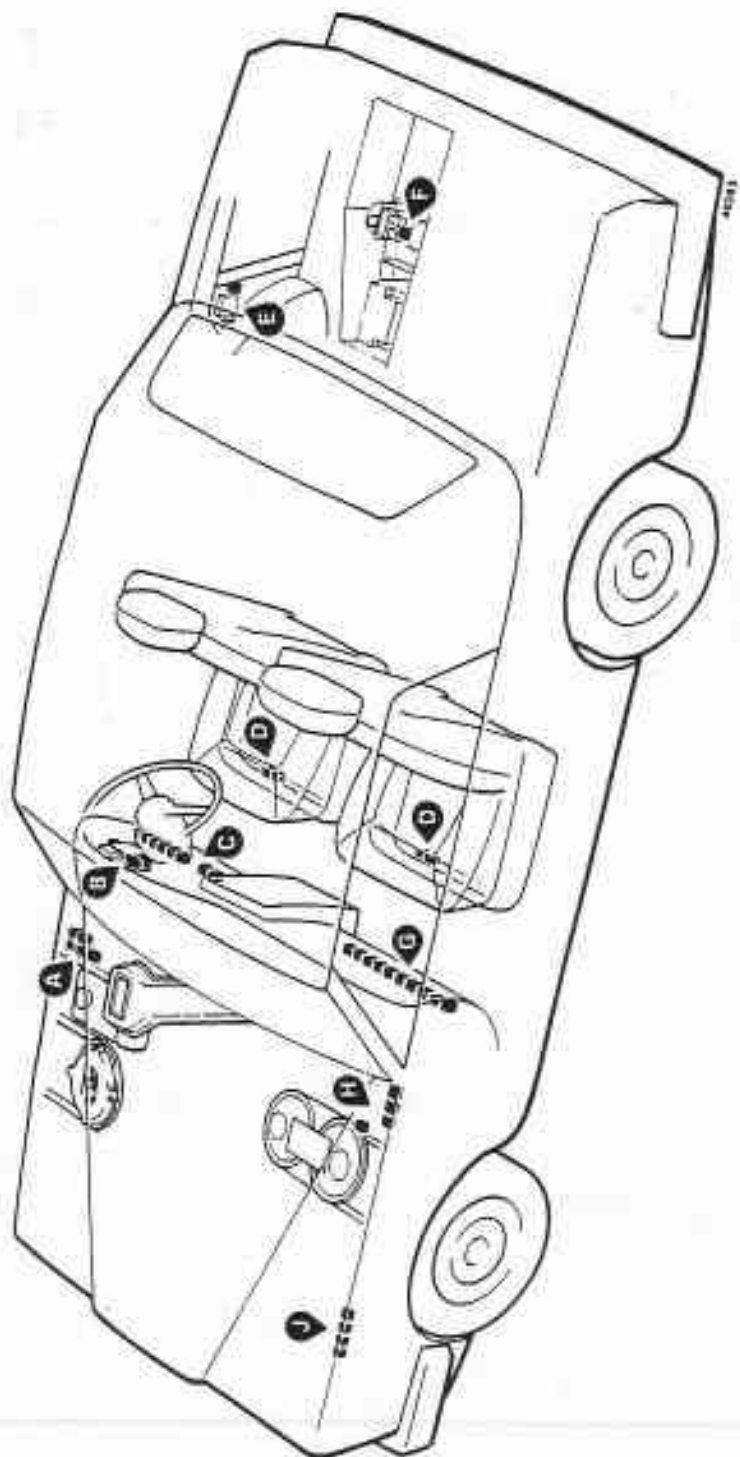
Relays

Corniche and Continental
Right-hand drive cars

Component location

Figure M2-8





Key to fig. M2-8

A

- 1 Choke pull-down
(Cars other than those conforming to an Australian or Japanese specification)
- 2 Starter
- 3 Speed control safety
- 4 Choke heater resistance
(Cars other than those conforming to an Australian or Japanese specification)
- 5 Choke heater
(Cars other than those conforming to an Australian or Japanese specification)

B

- 1 Speed control
- 2 Window lifts
- 3 Generator warning lamp
Cars fitted with a CAV alternator

C

- 1 Hood temperature
- 2 Fans switch-off
- 3 Fans control
- 4 Engine running
- 5 Air conditioning control
- 6 Lower quantity
- 7 Mode change
- 8 Recirculation

D

- 1 Seat relay 1
- 2 Seat relay 2

E

- 1 Stop lamp failure
- 2 Auxiliary start
(Cars conforming to a Japanese specification)

F

- 1 Hood motor

G

- 1 Rear fog lamps
(Cars other than those conforming to a Japanese specification)
- 2 Headlamps wash/wipe
(Cars other than those conforming to a Japanese specification)
- 3 Washer fluid level
- 4 Fuel filler door
- 5 Warning lamps test
- 6 Warning lamps dimming
- 7 Interior lamps
- 8 Cranking interlock
- 9 Fuel pump
Cars built prior to August 1984 *(Other than those conforming to a Japanese specification)*
- 10 Aerial

H

- 1 Windscreen wipers 1
- 2 Windscreen wipers 2
- 3 Windscreen wipers 3
- 4 Refrigeration clutch
Cars fitted with a cycling compressor clutch

J

- 1 Coolant level test
- 2 Horns
- 3 Headlamps flash
- 4 Headlamps safety

Key to fig. M2-9

A

- 1 Choke pull-down
(Cars other than those conforming to a Japanese or North American specification)
- 2 Starter
- 3 Speed control safety
- 4 Choke heater resistance
(Cars other than those conforming to a Japanese or North American specification)
- 5 Choke heater
(Cars other than those conforming to a Japanese or North American specification)

B

- 1 Speed control
- 2 Window lifts
- 3 Generator warning lamp
Cars fitted with a CAV alternator
- 4 Key warning buzzer
(Cars conforming to a North American specification)
or
Rear window lifts isolation
(Cars other than those conforming to a North American specification)

C

- 1 Hood temperature
- 2 Recirculation
- 3 Mode change
- 4 Lower quantity
- 5 Air conditioning control
- 6 Engine running
- 7 Fans control
- 8 Fans switch-off

D

- 1 Seat relay 1
- 2 Seat relay 2

E

- 1 Stop lamp failure
- 2 Auxiliary start
(Cars conforming to a Japanese or North American specification)

F

- 1 Hood motor

G

- 1 Aerial
- 2 Fuel pump
Cars built prior to August 1984 (Other than those conforming to a Japanese or North American specification)
- 3 Cranking interlock
- 4 Interior lamps
- 5 Warning lamps dimming
- 6 Warning lamps test
- 7 Fuel filler door
- 8 Washer fluid level

- 9 Headlamps wash/wipe
(Cars other than those conforming to a Japanese or North American specification)
- 10 Rear fog lamps
(Cars other than those conforming to a Japanese or North American specification)

H

- 1 Windscreen wipers 1
- 2 Windscreen wipers 2
- 3 Windscreen wipers 3
- 4 Refrigeration clutch
Cars fitted with a cycling compressor clutch

J

- 1 Coolant level test
- 2 Horns
- 3 Headlamps flash
(Cars other than those conforming to a North American specification)
- 4 Headlamps safety

Relays

**Corniche and Continental
Left-hand drive cars**

Component location

Figure M2-9

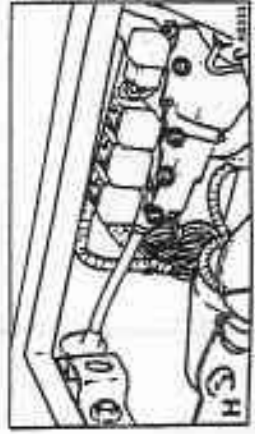
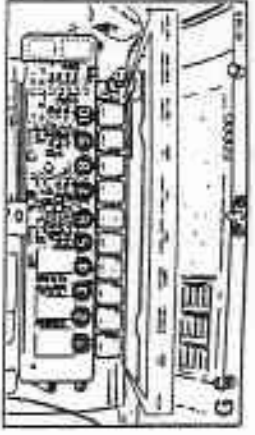
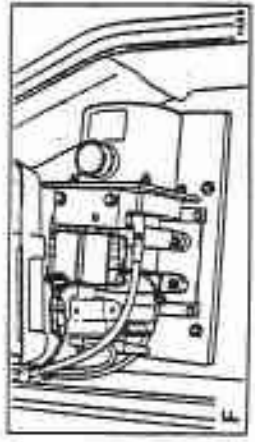
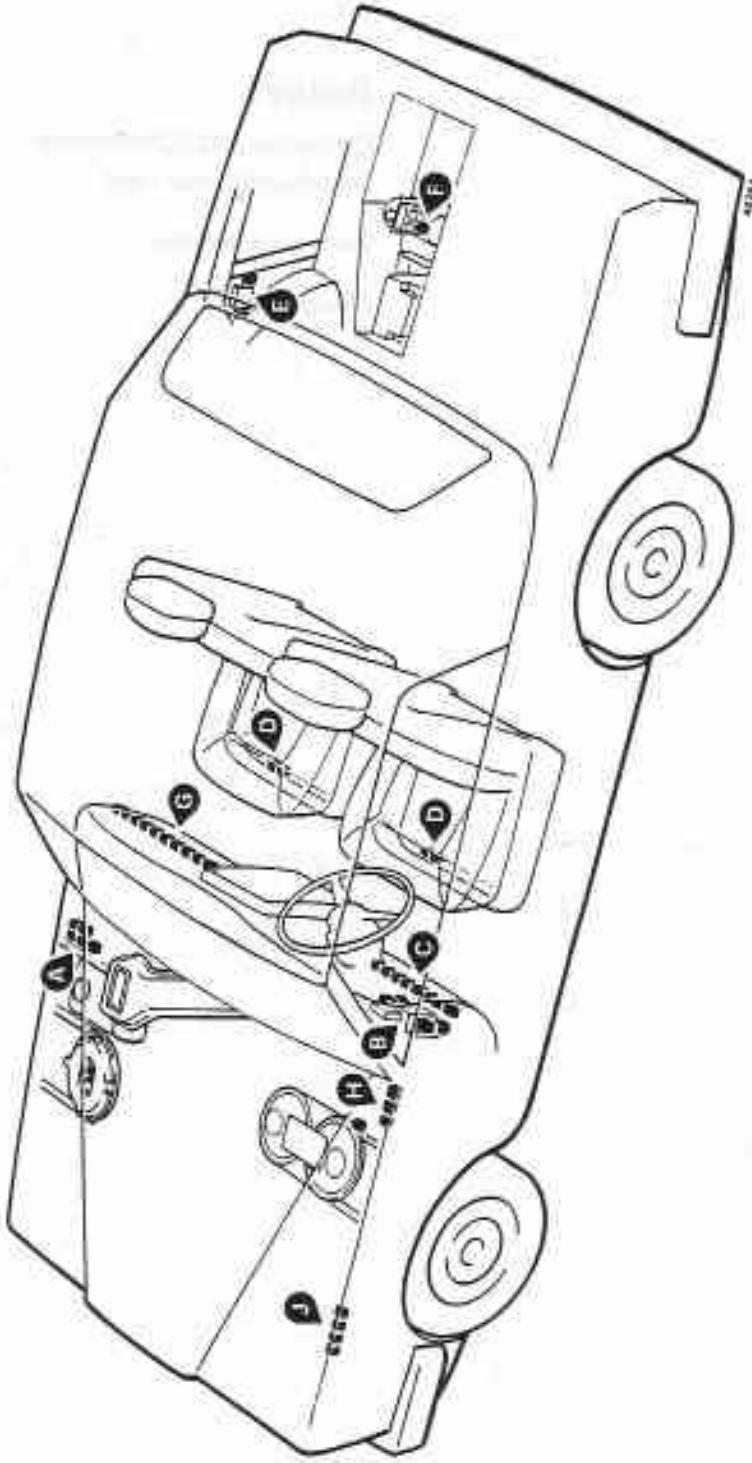
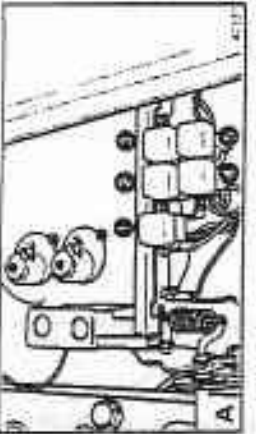
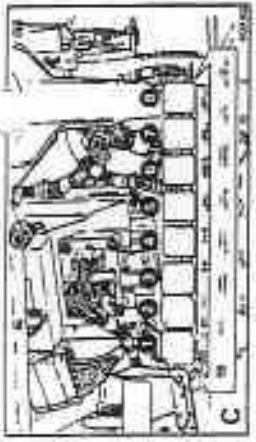
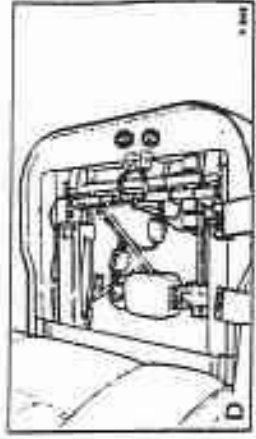


Relays

**Corniche and Continental
Left-hand drive cars**

Component location

Figure M2-9

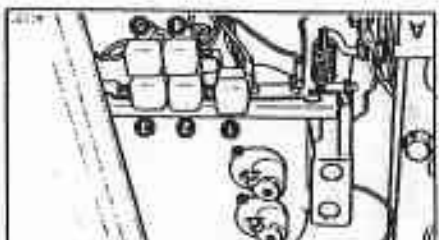
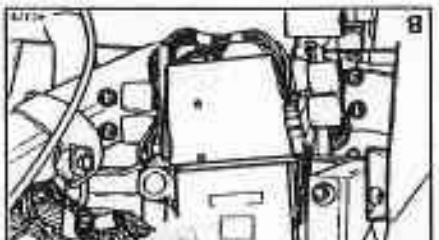
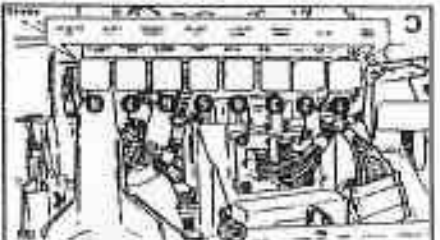
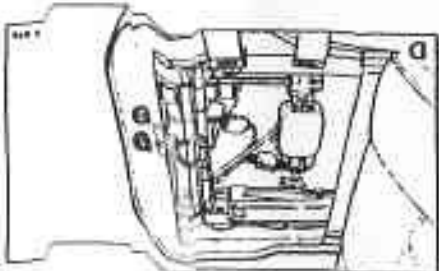
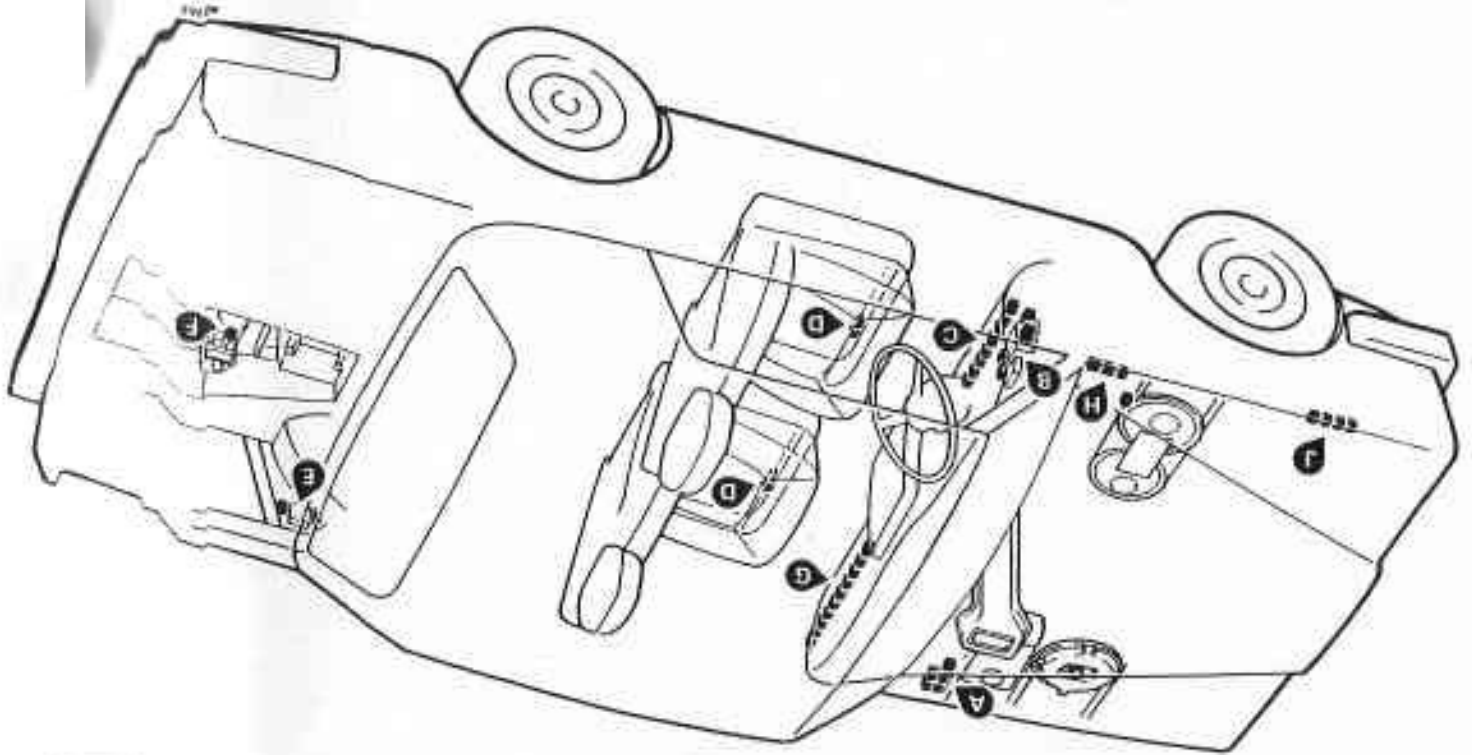
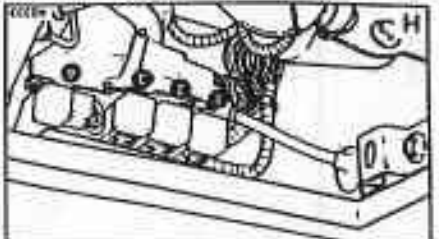
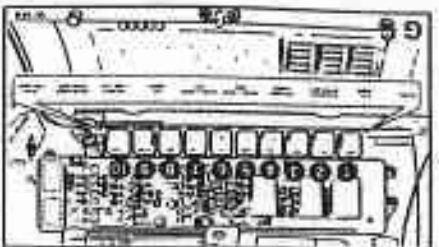
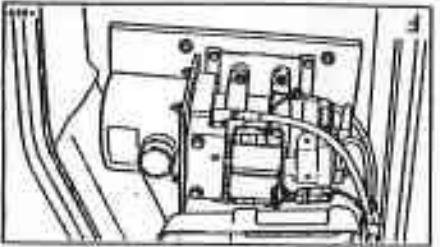
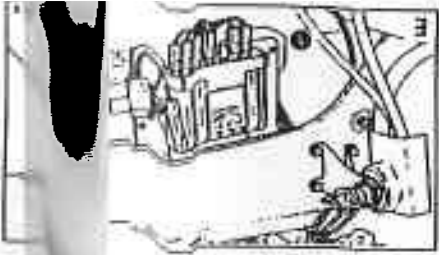


Relays

Corniche and Continental
Left-hand drive cars

Component location

Figure M2-9



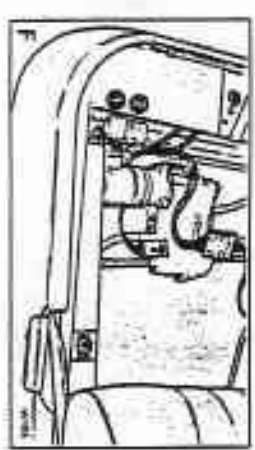
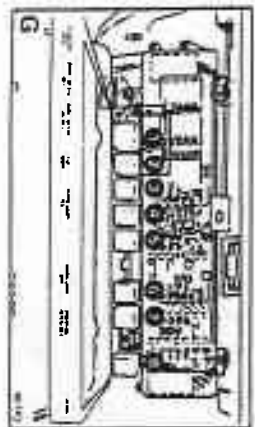
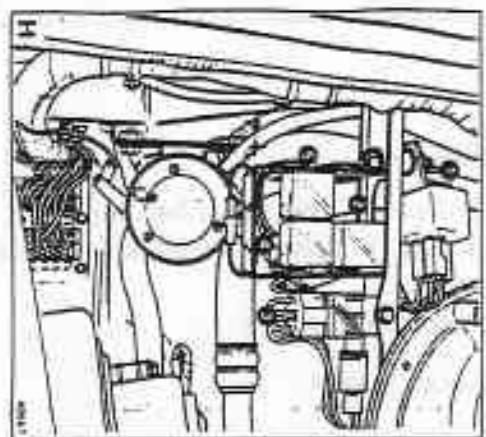
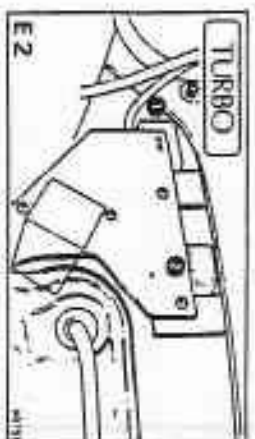
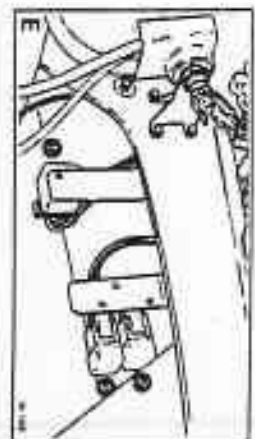
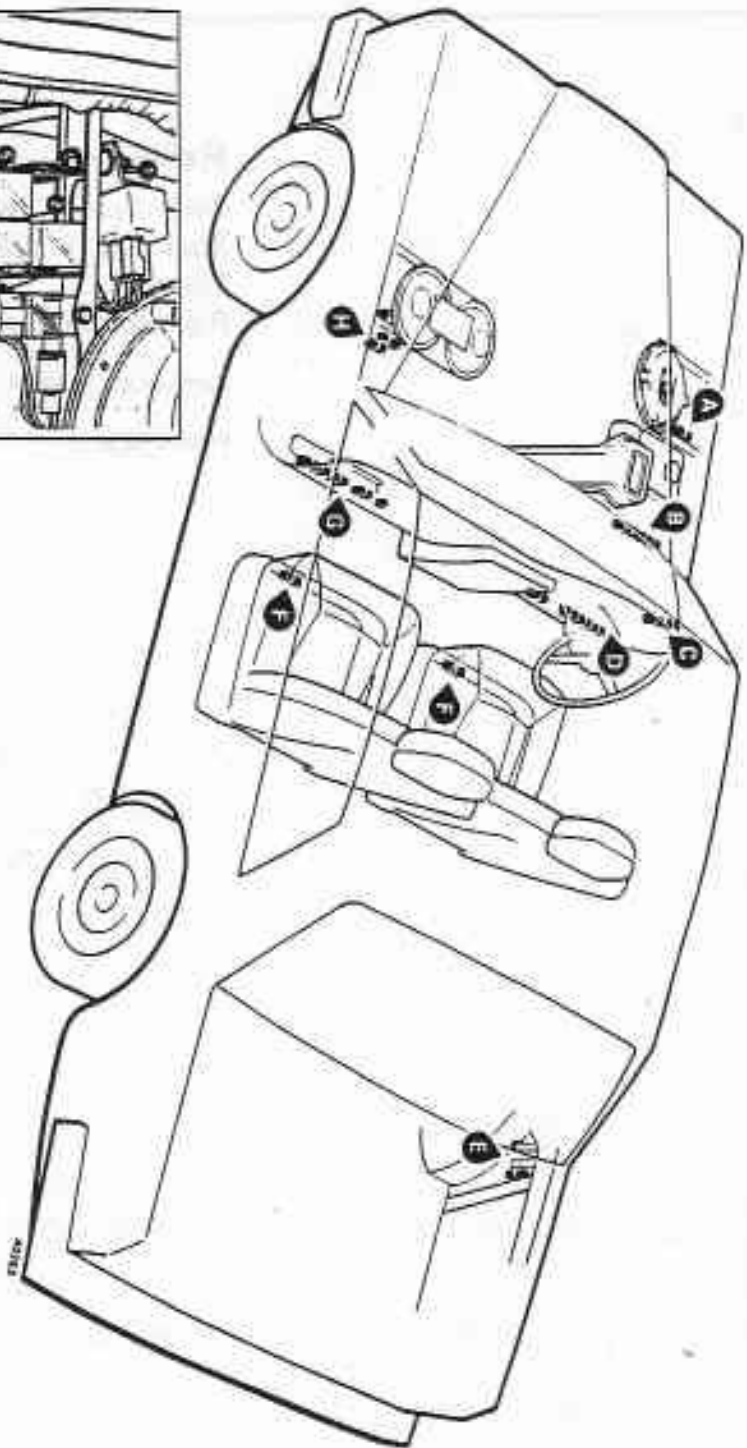
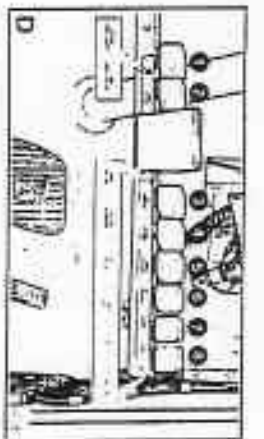
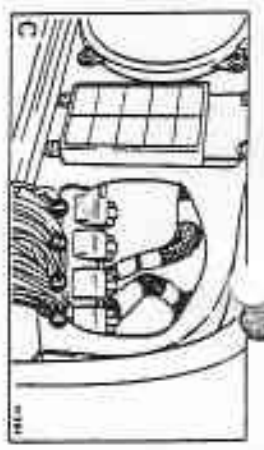
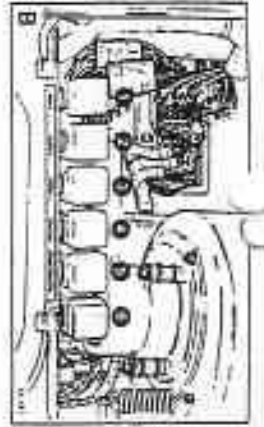
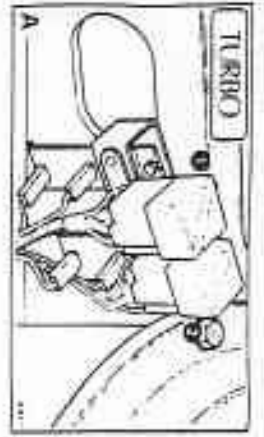
Relays

Silver Spirit, Silver Spur, Bentley Eight,
Mulsanne, Mulsanne Turbo, and Bentley
Turbo R

Right-hand drive cars

Component location

Figure M2-10



Key to fig. M2-10

A

- 1 Choke pull-down
Turbocharged cars
- 2 Choke control heater resistor
Turbocharged cars

B

- 1 Windscreen wipers 1
- 2 Windscreen wipers 2
- 3 Windscreen wipers 3
- 4 Starter
- 5 Speed control safety
Other than Turbocharged cars
- 6 Choke heater
Turbocharged cars
Starter inhibit
Other than Turbocharged cars, (and those conforming to a Japanese specification)
Ignition vacuum retard
(Cars conforming to a Japanese specification)

C

- 1 Vacuum pump
Turbocharged cars fitted with a Delco alternator
Boost limiter
Turbocharged cars fitted with a CAV alternator
- 2 Boost limiter
Turbocharged cars fitted with a Delco alternator
Vacuum pump
Turbocharged cars fitted with a CAV alternator
Starter inhibit
(Cars conforming to a Japanese specification)
- 3 Generator warning lamp
Cars fitted with a CAV alternator
Starter inhibit
Cars fitted with a Delco alternator
- 4 Window lifts

D

- 1 Rear fog lamps
(Cars other than those conforming to a Japanese specification)
- 2 Fans switch-off
- 3 Fans control
- 4 Engine running
- 5 Air conditioning control
- 6 Lower quantity
- 7 Mode change
- 8 Recirculation

E

- Other than Turbocharged cars
- 1 Stop lamp failure
- 2 Rear window demister
- 3 Auxiliary start
(Cars conforming to a Japanese specification)

E1

- Turbocharged cars fitted with a CAV alternator
- 1 Stop lamp failure
- 2 Rear window demister

E2

- Turbocharged cars fitted with a Delco alternator
- 1 Stop lamp failure
- 2 Rear window demister

F

- 1 Seat relay 1
- 2 Seat relay 2

G

- 1 Headlamps power wash timer
- 2 Centralized door lock
- 3 Centralized door unlock
- 4 Fuel filler door
- 5 Warning lamps test
- 6 Warning lamps dimming
- 7 Cranking interlock
- 8 Aerial

H

- 1 Headlamps sequencing
- 2 Headlamps safety
- 3 Refrigeration clutch
Cars fitted with a cycling compressor clutch
- 4 Horns
- 5 Air horns
Bentley Turbo R

Key to fig. M2-11

Choke pull-down
 Turbocharged cars
 Choke control heater resistor
 Turbocharged cars

Windscreen wipers 1
 Windscreen wipers 2
 Windscreen wipers 3
 Starter
 Speed control safety
 Other than Turbocharged cars
 Choke heater
 Turbocharged cars
 Starter inhibit
 Other than Turbocharged cars, *(and those conforming to a Japanese or North American specification)*
 Ignition vacuum retard
(Cars conforming to a Japanese specification)

Window lifts
 Turbocharged cars fitted with a CAV alternator
 Vacuum pump
 Turbocharged cars fitted with a Delco alternator
 Starter inhibit
(Cars conforming to a Japanese or North American specification)
 Boost limiter
 Turbocharged cars
 Generator warning lamp
 Silver Spur with centre division fitted with a CAV alternator
 Window lifts
 Other than Turbocharged cars
 Vacuum pump
 Turbocharged cars fitted with a CAV alternator
 Starter inhibit
 Turbocharged cars fitted with a Delco alternator
 Key warning buzzer
(Cars conforming to a North American specification)
 Generator warning lamp
 Turbocharged cars fitted with a CAV alternator
 Window lifts
 Turbocharged cars fitted with a Delco alternator

Rear fog lamps
(Cars other than those conforming to a Japanese or North American specification)
 Recirculation
 Mode change
 Lower quantity
 Air conditioning control
 Engine running
 Fans control
 Fans switch-off

E

Other than Turbocharged cars
 1 Stop lamp failure
 2 Rear window demister
 3 Auxiliary start
(Cars conforming to a Japanese or North American specification)

E1

Turbocharged cars fitted with a CAV alternator
 1 Stop lamp failure
 2 Rear window demister

E2

Turbocharged cars fitted with a Delco alternator
 1 Stop lamp failure
 2 Rear window demister

F

1 Seat relay 1
 2 Seat relay 2

G

1 Aerial
 2 Cranking interlock
 3 Warning lamps dimming
 4 Warning lamps test
 5 Fuel filler door
 6 Centralized door unlock
 7 Centralized door lock
 8 Headlamps power wash timer

H

1 Headlamps sequencing
 2 Headlamps safety
 3 Refrigeration clutch
 Cars fitted with a cycling compressor clutch
 4 Horns
 5 Air horns
 Bentley Turbo R

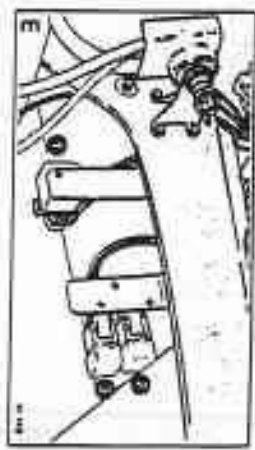
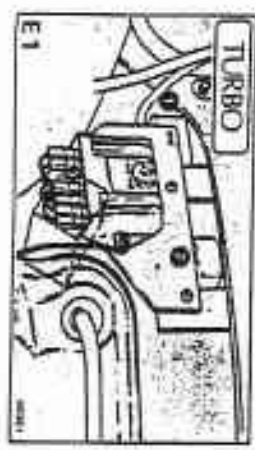
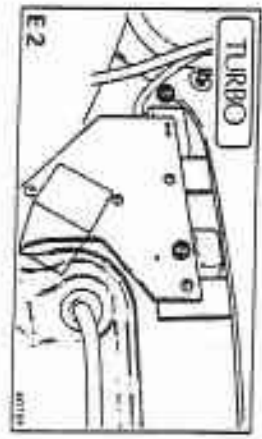
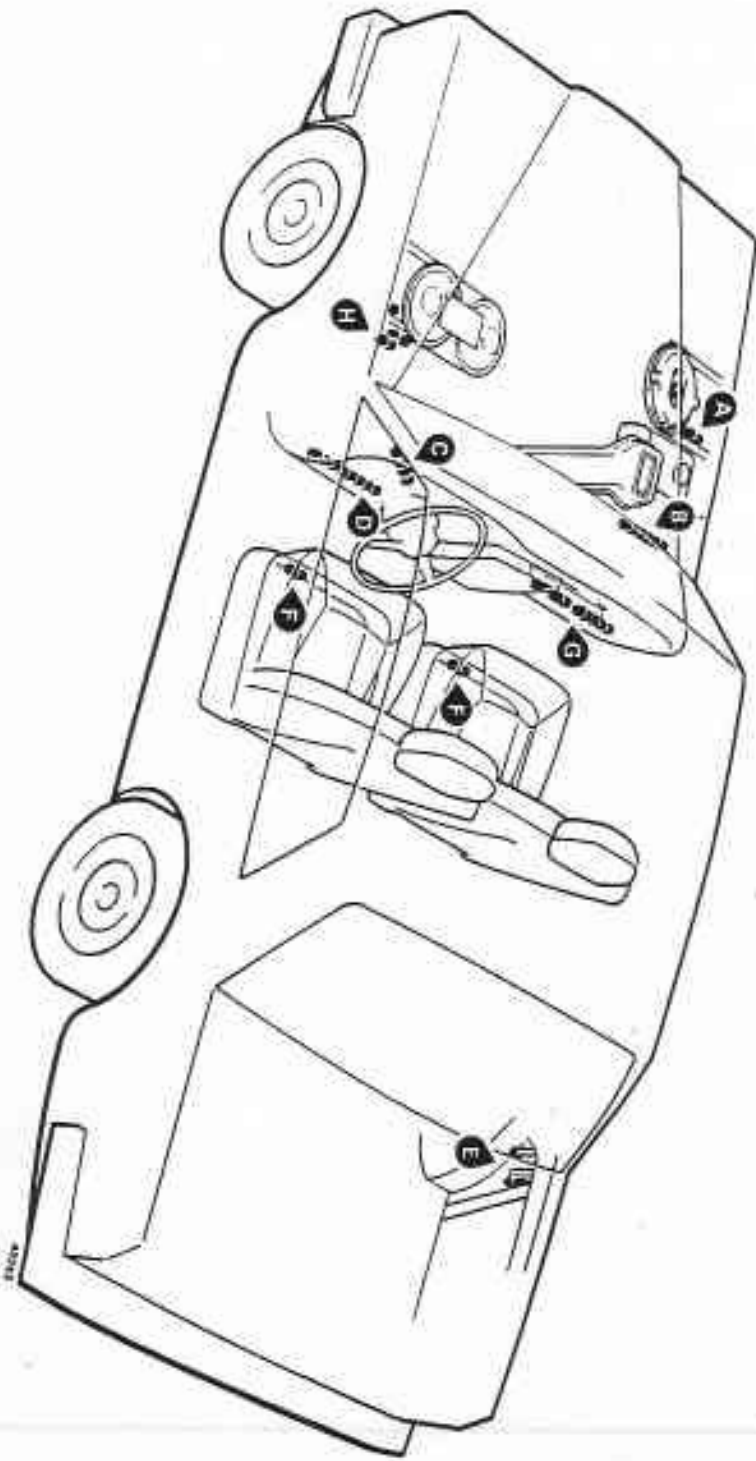
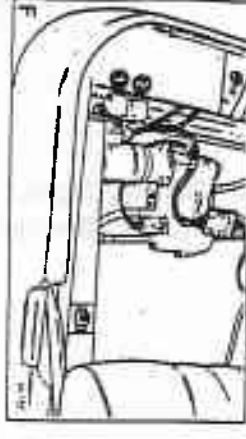
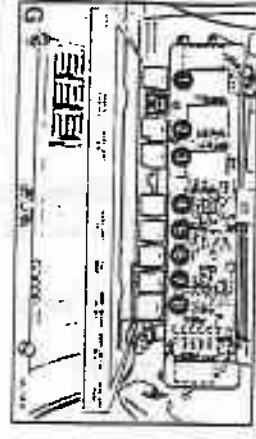
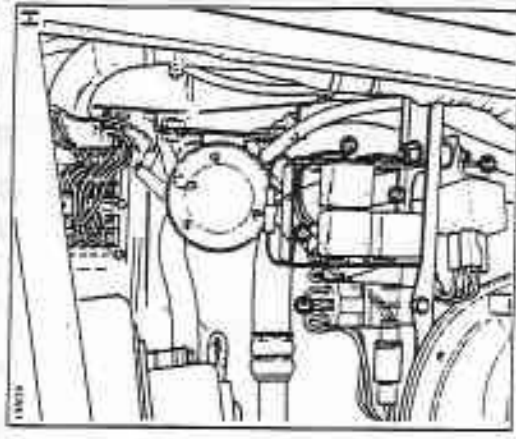
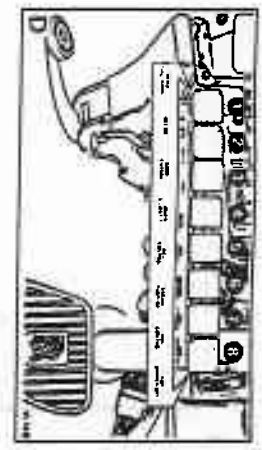
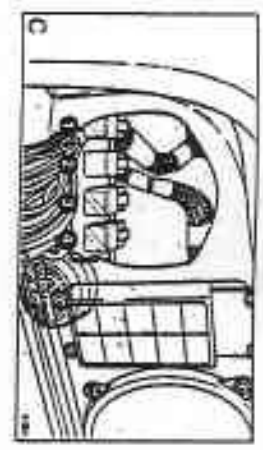
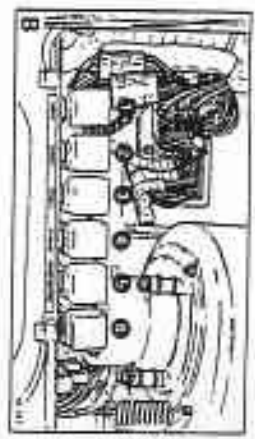
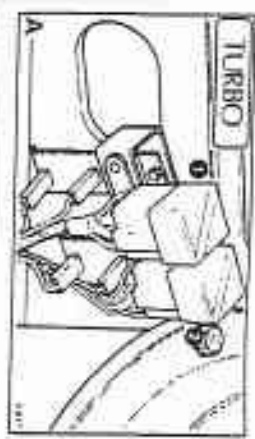
Relays

Silver Spirit, Silver Spur, Bentley Eight,
Mulsanne, Mulsanne Turbo, and Bentley
Turbo R

Left-hand drive cars

Component location

Figure M2-11







Power distribution system

Contents	Pages					
	Silver Spirit Mulsanne	Silver Spur	Mulsanne Turbo	Bentley Eight	Bentley Turbo R	Corniche/ Continental
Cars prior to vehicle identification number						
SCAZS42A3FCX12001						
Component location	M3-3	M3-3	M3-3	—	—	M3-11
Wiring diagram	M3-5	M3-5	M3-5	—	—	M3-13
Cars from vehicle identification number						
SCAZS42A3FCX12001 to						
SCAZS0001FCX13859						
(including						
SCAZN0004FCH14000 to						
SCAZN0009FCH14025)						
Component location	M3-7	M3-7	M3-7	M3-7	M3-7	—
Wiring diagram	M3-9	M3-9	M3-9	M3-9	M3-9	—

From VIN *SCAZS0006GCX13860* (excluding Corniche/Continental) and with the exception of VIN *SCAZN0004FCH14000* to VIN *SCAZN0009FCH14025* inclusive, a new type of fuseboard is fitted incorporating Littell or Buss fuses (these fuses are not interchangeable with Bulgin type fuses).

Therefore when working to a wiring diagram or component location showing the earlier Bulgin type of fuse, reference must be made to the following table for its equivalent.

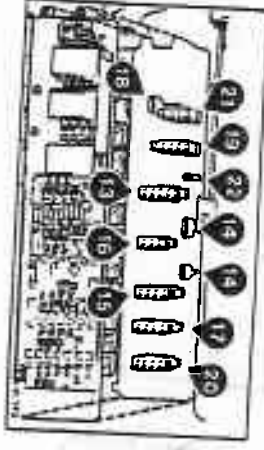
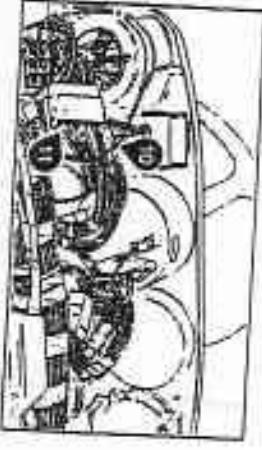
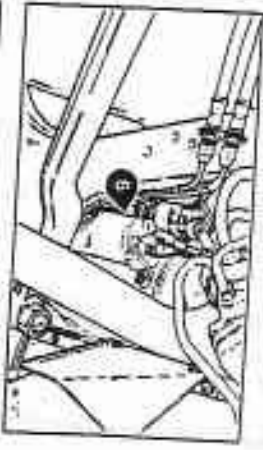
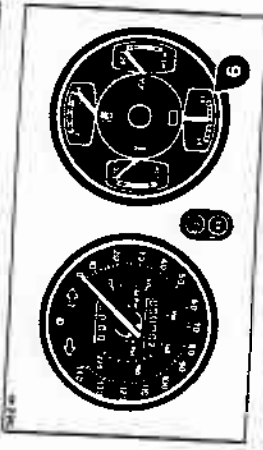
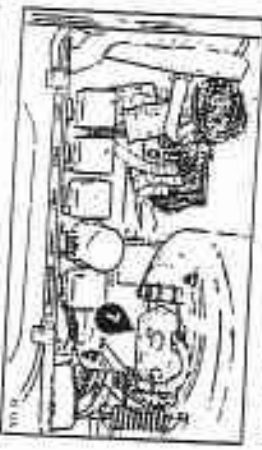
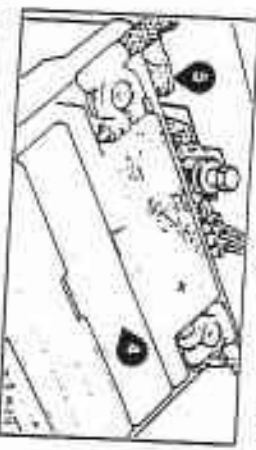
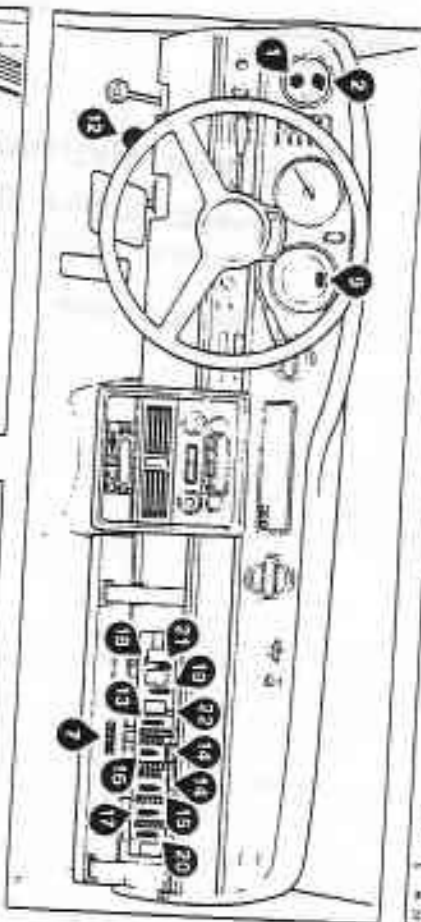
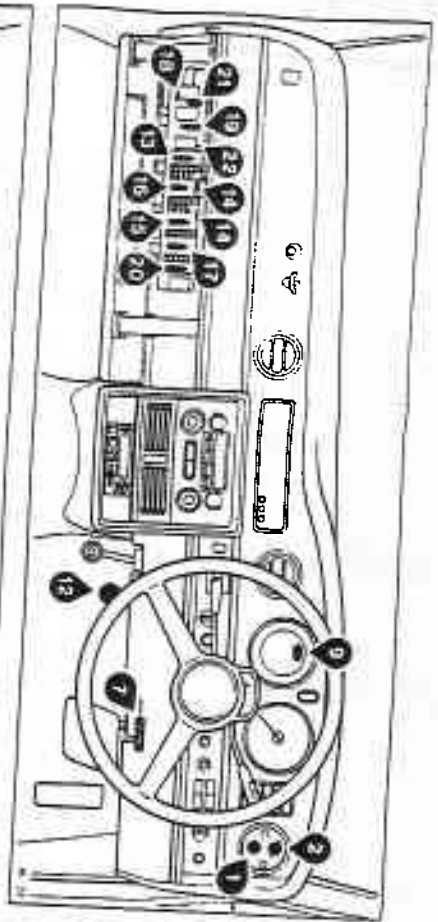
Circuits controlled	Bulgin fuse number	Littell or Buss fuse number and fuseboard identification	Fuse rating (amps)	Circuits controlled	Bulgin fuse number	Littell or Buss fuse number and fuseboard identification	Fuse rating (amps)
							
Cellular telephone when fitted	—	A1 - F2	4A	Rear window demister and mirror heaters	11	B4 - F3	20A
Cellular telephone when fitted	—	A2 - F2	10A	Reverse lamps, stoplamps, speed control, headlamp wash	10	B3 - F3	20A
Interior lamps	1	A6 - F2	10A	Direction indicators, headlamp flash, fuel door, horns control	14	B2 - F3	20A
Radio, panel illumination, ACU control	20	B1 - F2	10A	Cigar lighters, clock, aerial, fuel door	7	C4 - F3	20A
Radio amplifier when fitted	19	B2 - F2	10A	Engine cooling fan	2	C1 - F3	20A
Starter, ignition, fuel pump	27	B3 - F2	10A	Engine cooling fan	9	C1 - F3	20A
Instruments and warning lamps	28	B4 - F2	10A	Wipers and washers	5	B1 - F3	20A
ACU control	8	B5 - F2	10A	Spare	—	B6 - F3	20A
Spare	—	B6 - F2	10A	Fuel pump	13	B5 - F3	20A
L.H. Tail lamp	15	C1 - F2	10A	Horns	3	C3 - F3	20A
R.H. Tail lamp	22	C2 - F2	10A	Fog lamps when fitted	12	C6 - F3	20A
Parking lamps, number plate lamps, W.L. dim control	16	C3 - F2	10A	Air horns when fitted	4	C5 - F3	20A
L.H. Dip beam	24	C4 - F2	10A	Hazard warning	6	C2 - F3	20A
R.H. Dip beam	25	C5 - F2	10A				
Spare	—	C6 - F2	10A				
Spare	—	A6 - F3	20A				

For fuse identification refer to Section M1, General information, page M1-3.

Power distribution system

Silver Spirit, Silver Spur, and Mulsanne
(including Turbo)

Component location

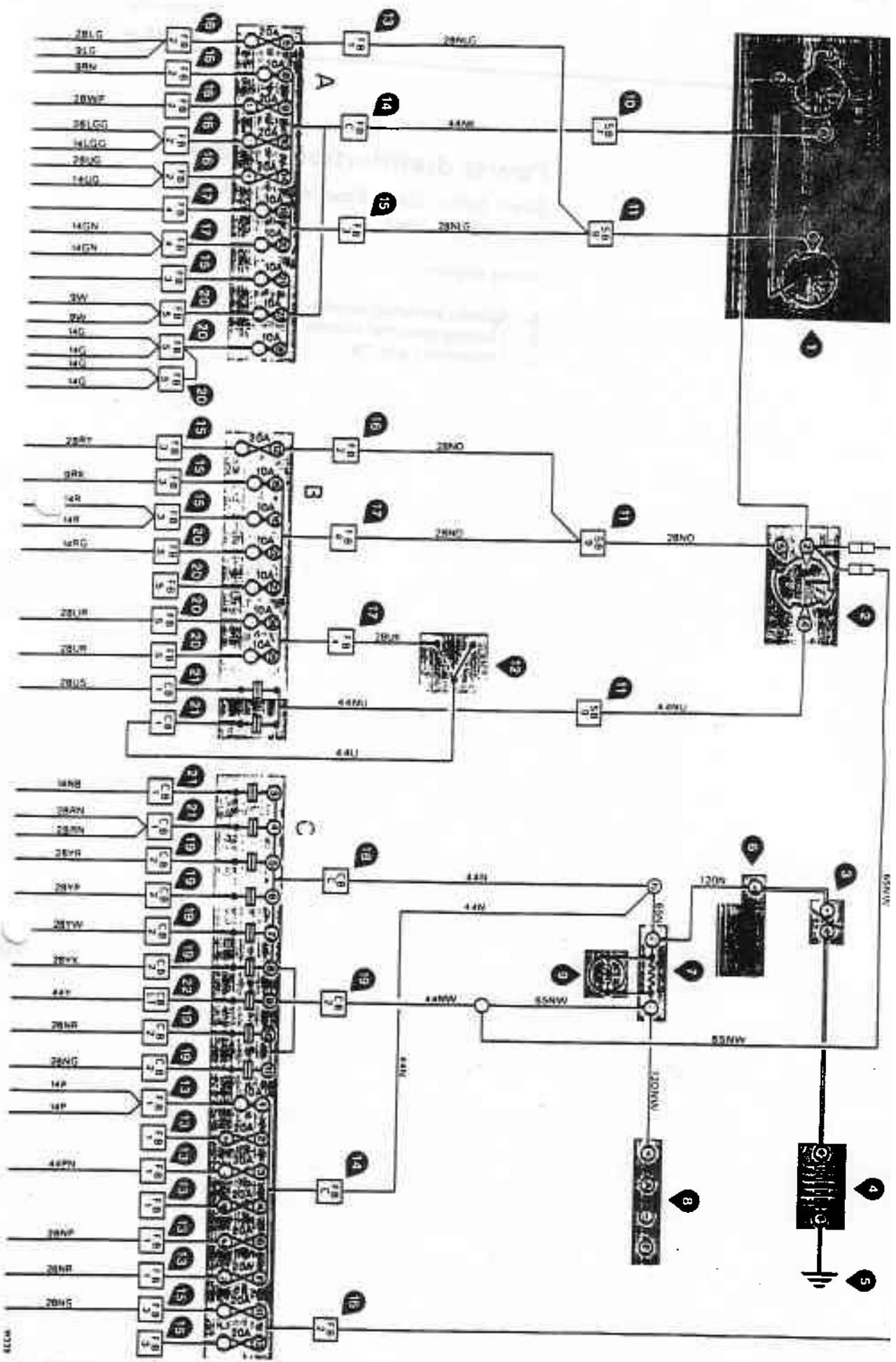


Power distribution system

Silver Spirit, Silver Spur, and Mulsanne
(including Turbo)

Wiring diagram

- A Ignition switched circuits
- B Lighting switched circuits
- C Unswitched circuits



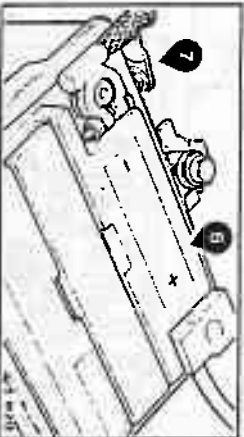
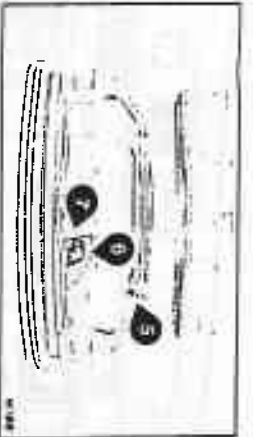
Power distribution system

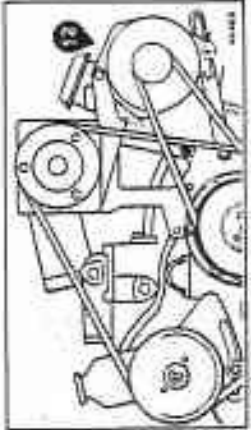
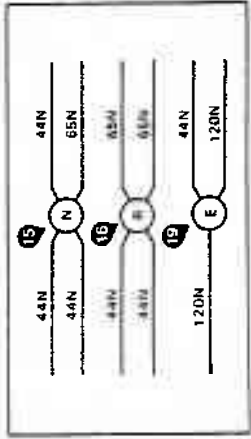
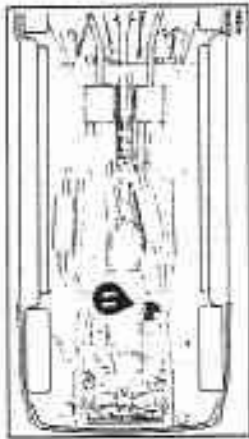
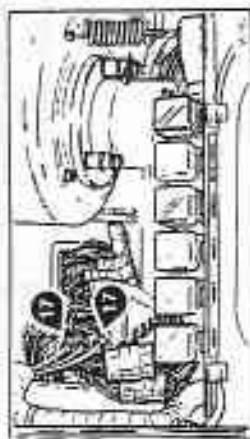
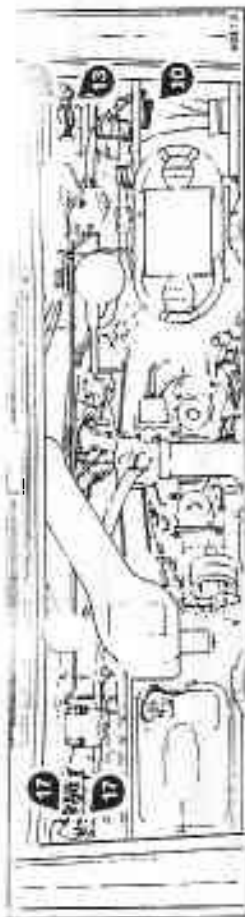
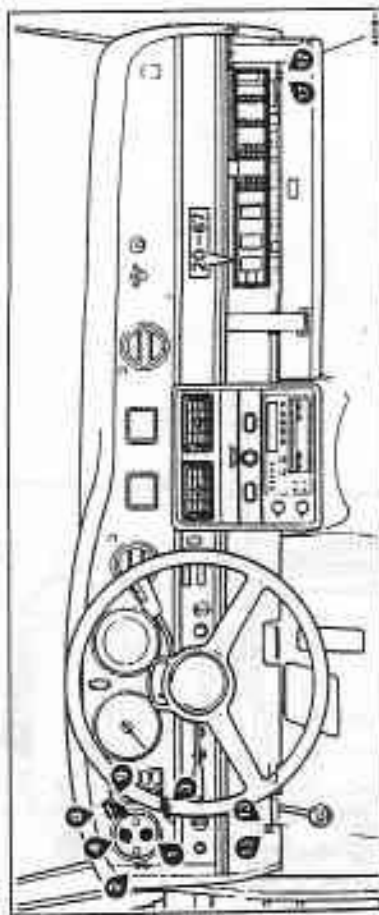
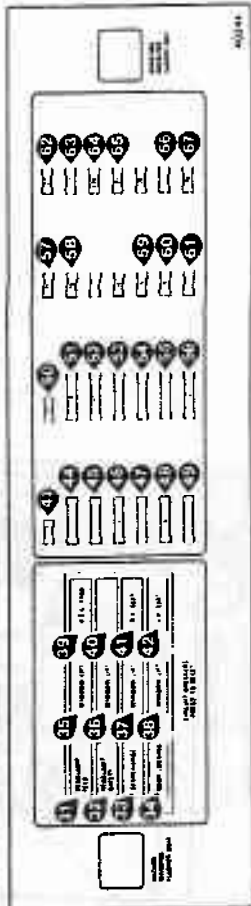
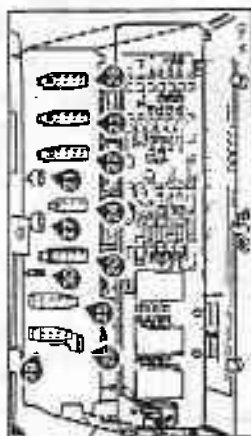
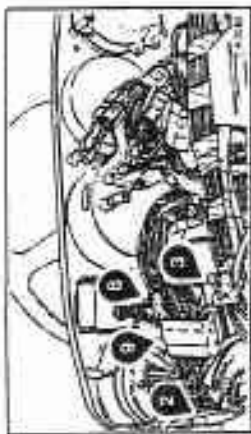
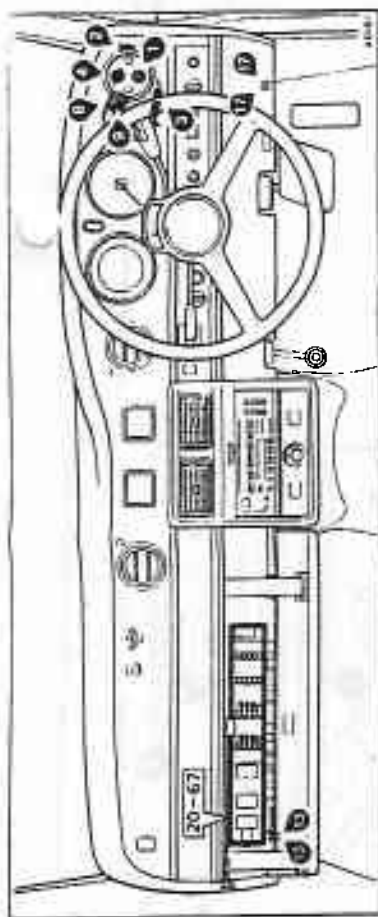
Silver Spirit, Silver Spur, Mulsanne (including Turbo), Bentley Eight, and Bentley Turbo R

Component location

Note
The number/size of cables at the fuseboard plugs vary dependent on the car's specification

— Applicable to Turbocharged cars only



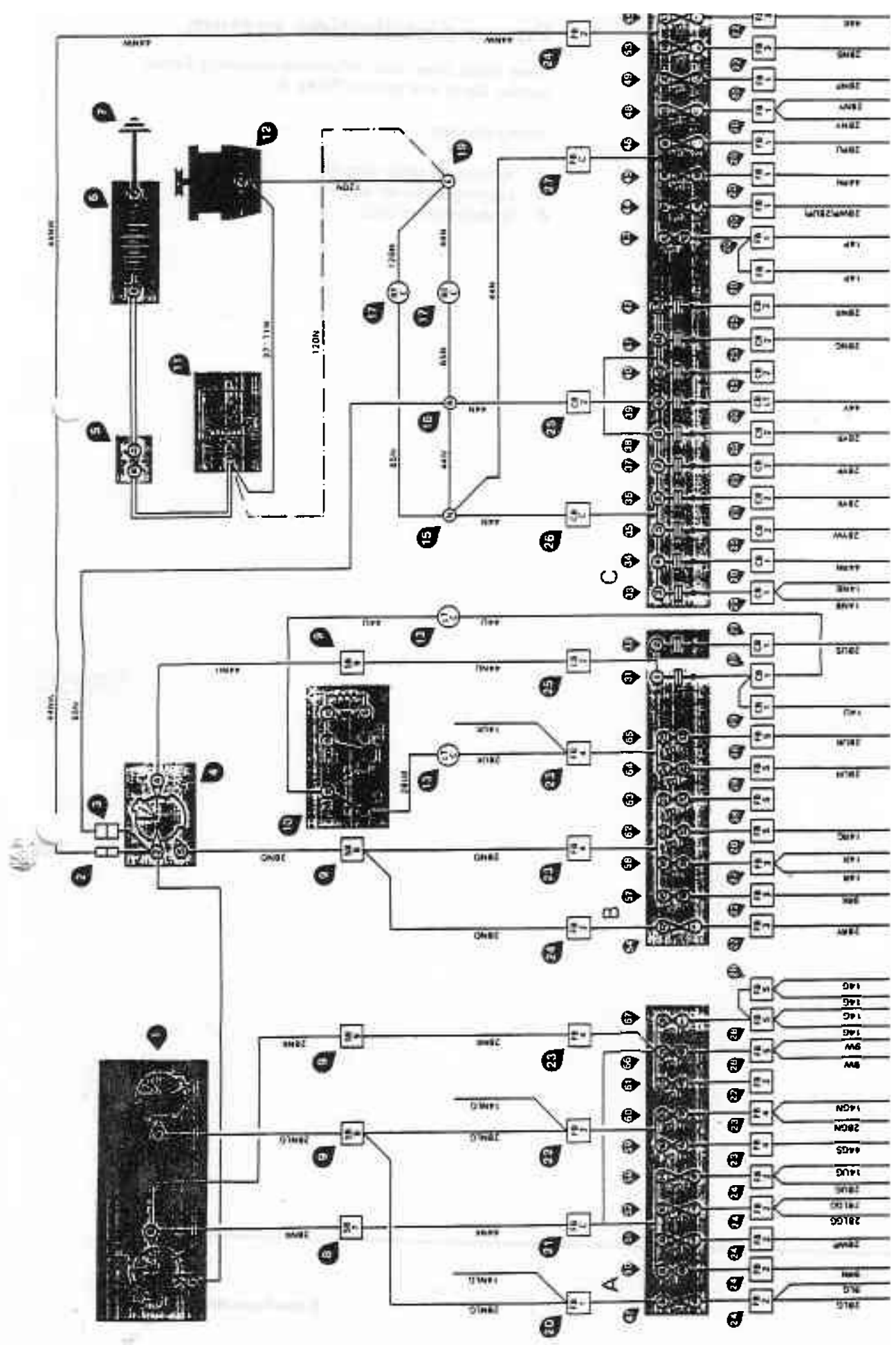


Power distribution system

Silver Spirit, Silver Spur, Mulsanne (including Turbo),
Bentley Eight, and Bentley Turbo R

Wiring diagram

- A Ignition switched circuits
- B Lighting switched circuits
- C Unswitched circuits



Power distribution system

Corniche/Continental

Component location

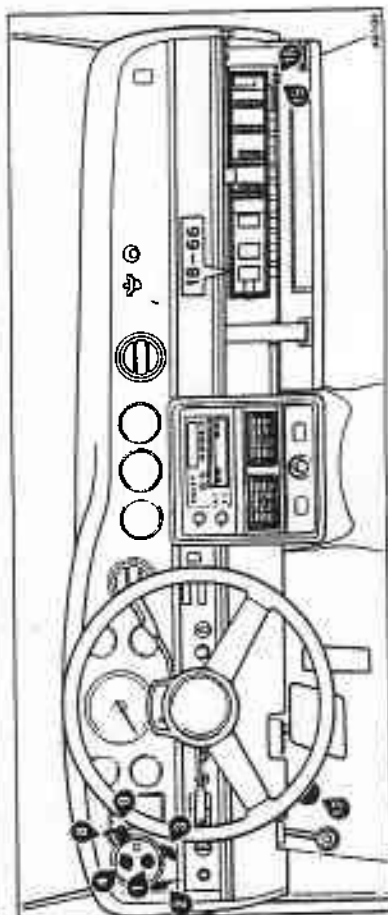
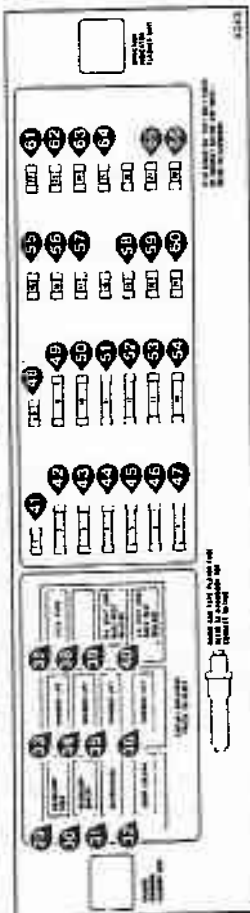
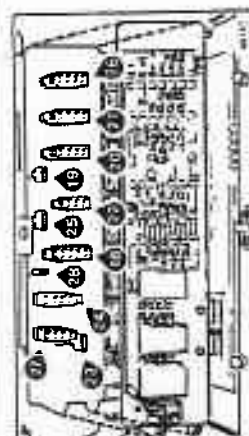
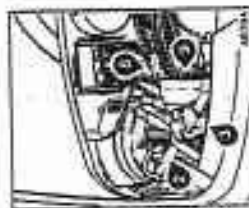
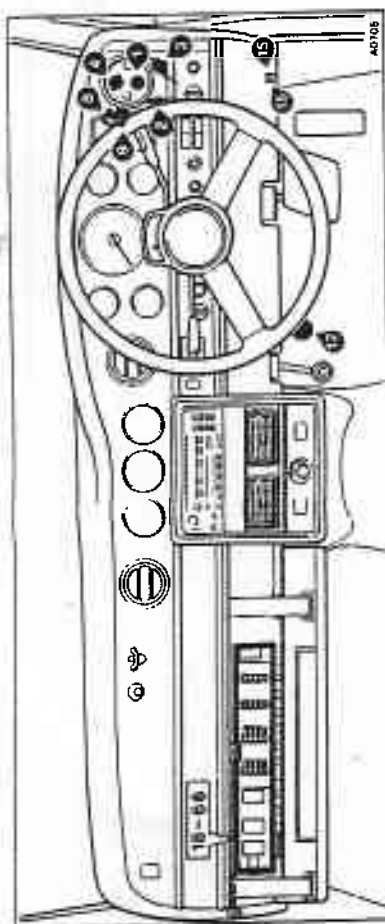
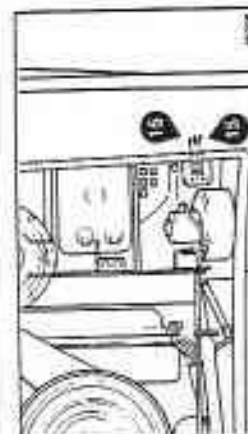
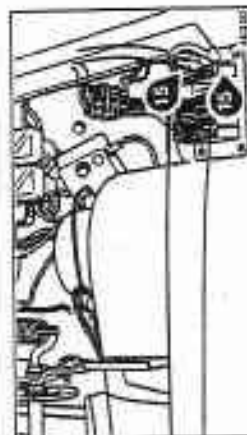
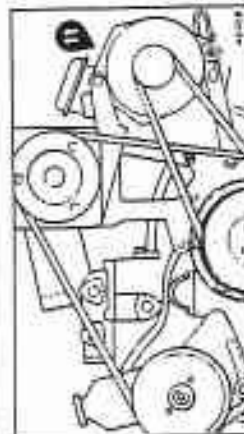
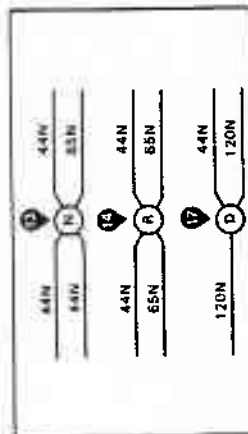
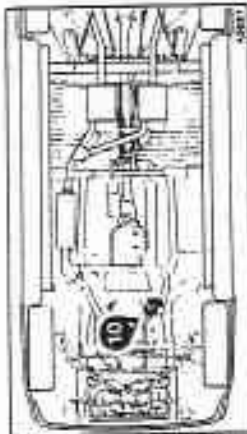
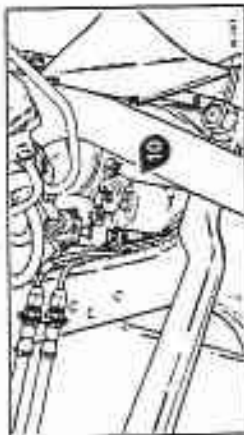
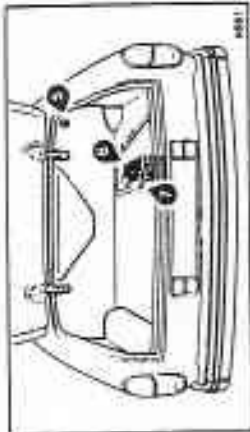
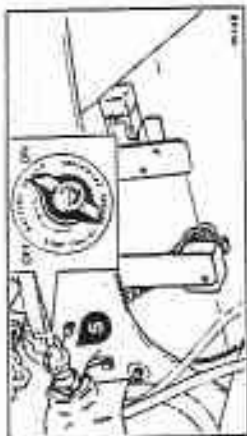


Note

The number/size of cables at the fuseboard plugs vary dependant on the cars specification

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Power distribution system

Corniche/Continental

Wiring diagram

- A Ignition switched circuits
- B Lighting switched circuits
- C Unswitched circuits

