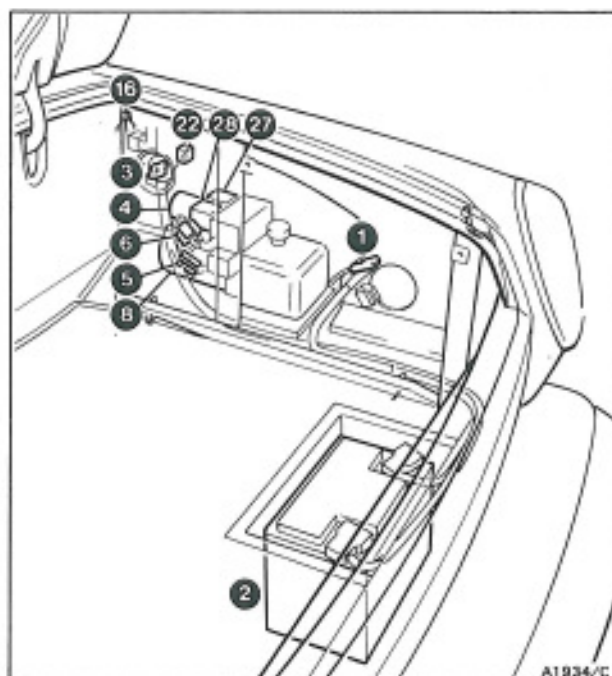
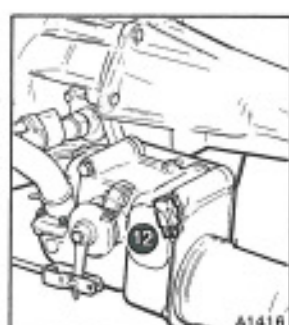
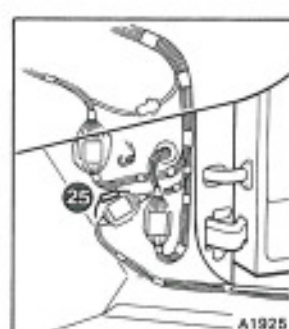
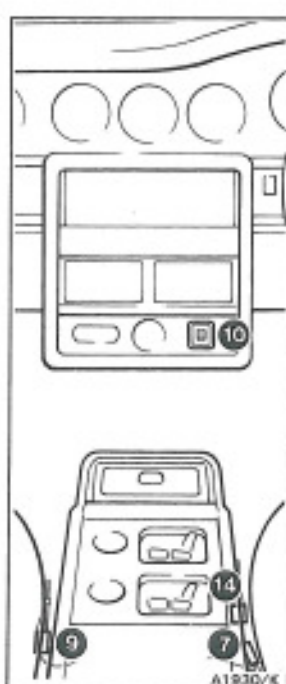
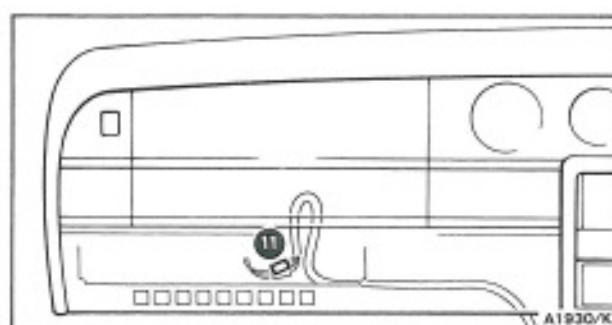


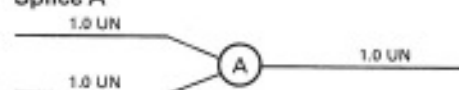


Power operated hood

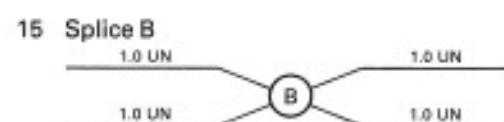
Contents	Specific application	Pages							
		Rolls-Royce Silver Spirit	Silver Spur	Corniche / Corniche II	Bentley Eight	Mulsanne	Mulsanne S	Turbo R	Continental
<b>Power operated hood</b>									
Component location	<i>Cars other than those conforming to a North American specification</i>	—	—	29-2	—	—	—	—	29-2
Wiring diagram		—	—	29-2	—	—	—	—	29-2
Component location	<i>Cars conforming to a North American specification</i>	—	—	29-3	—	—	—	—	29-3
Wiring diagram		—	—	29-3	—	—	—	—	29-3



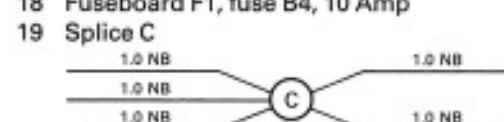
- 1 Battery earth point
- 2 Battery
- 3 Battery master switch (*Cars other than those conforming to a West German specification*)
- 4 Hood lift motor relay
- 5 Hood lift diodes (luggage compartment)
- 6 Luggage compartment loom connections
- 7 Centre stowage compartment plug and socket 2-way
- 8 Hood lift motor
- 9 Centre stowage compartment plug and socket 4-way
- 10 Hood lift control switch
- 11 Gearchange actuator plug and socket 6-way
- 12 Gearchange actuator park micro-switch
- 13 Splice A



14 Centre stowage compartment plug and socket  
7-way



17 Fuseboard F2, fuse A6, 20 Amp  
18 Fuseboard F1, fuse B4, 10 Amp



20 Splice D

Diagram of Splice D: A circular splice labeled 'D' with four 1.0 G lines entering from the left and two 1.0 G lines exiting to the right.

21 Splice E

22 Hood lift control relay



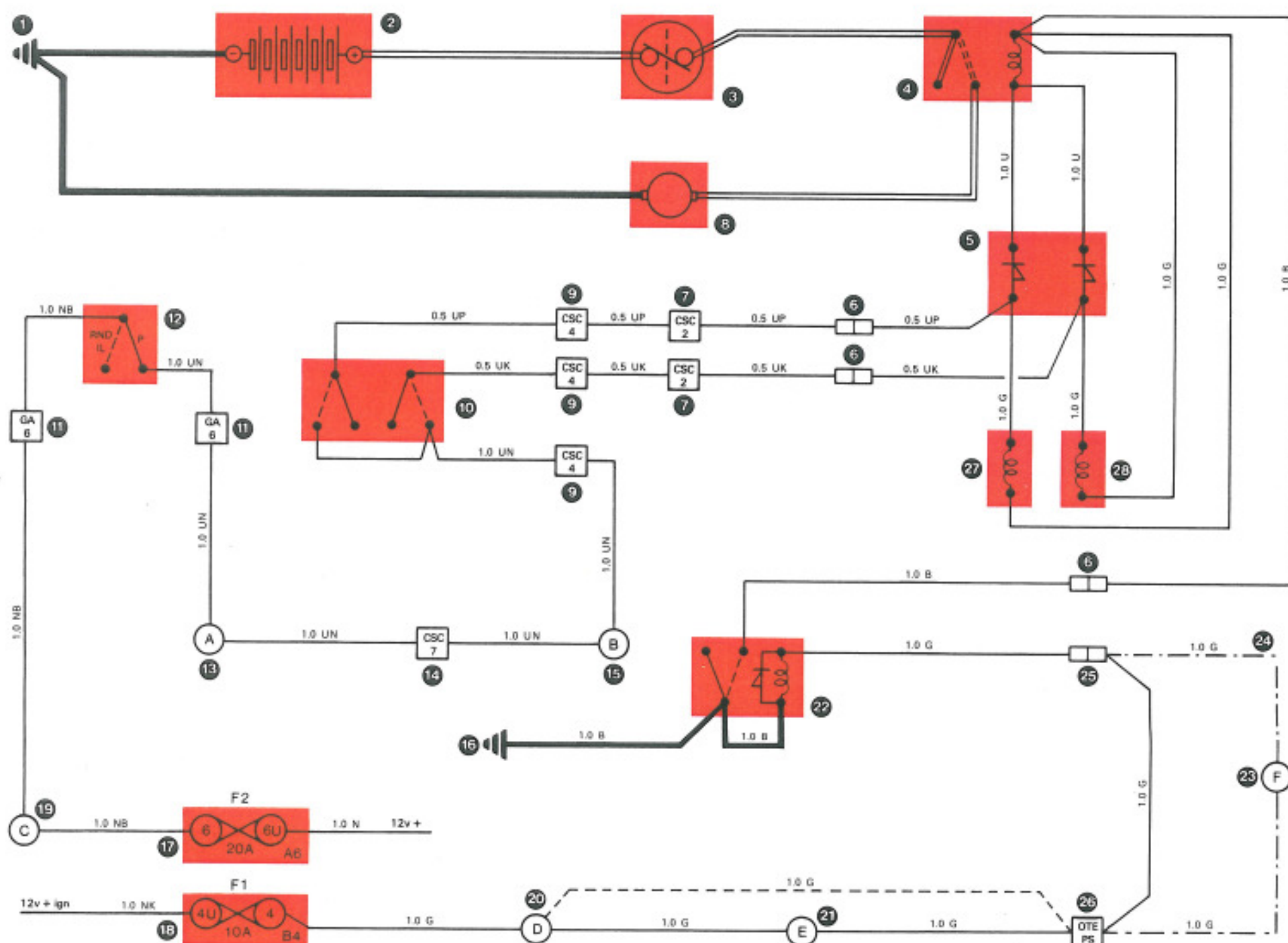
24 - - - - Alternative cable route on cars fitted with a closed loop instrument loom

25 Right-hand 'A' post loom connection

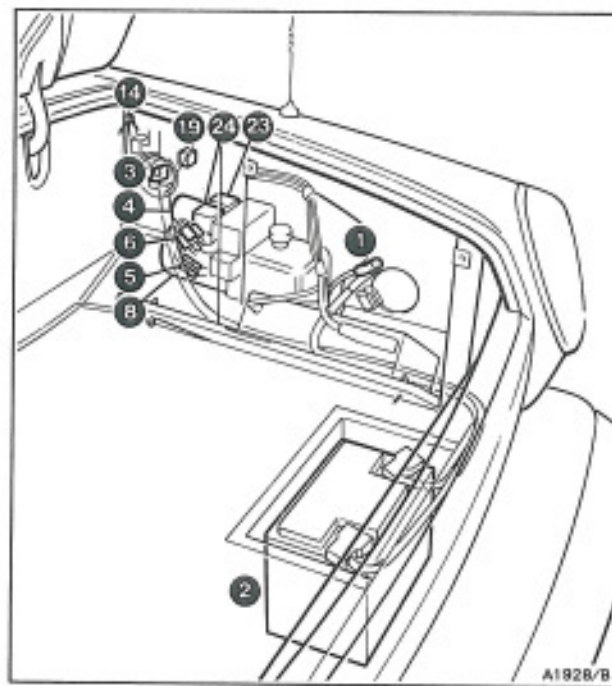
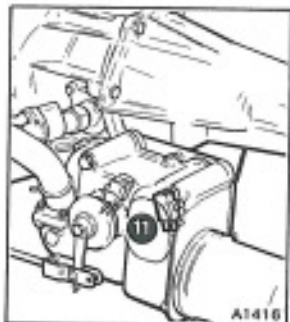
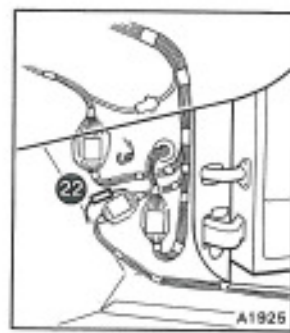
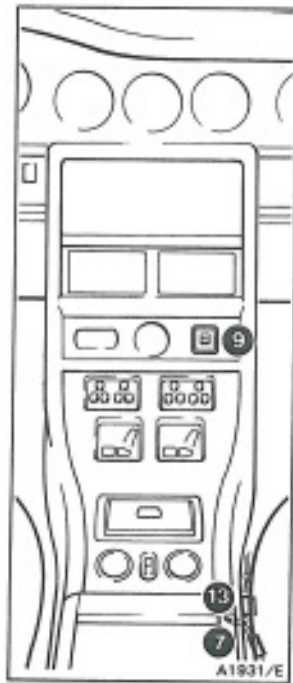
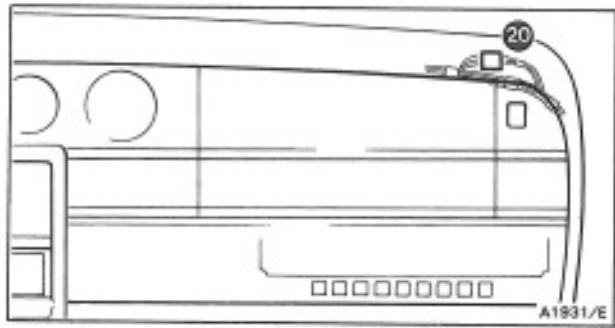
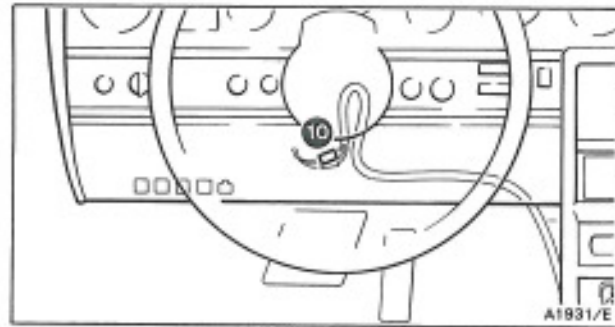
26 'Other than Europe' plug and socket

27 Hood solenoid valve – to raise

28 Hood solenoid valve – to lower

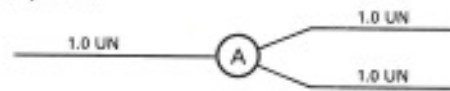




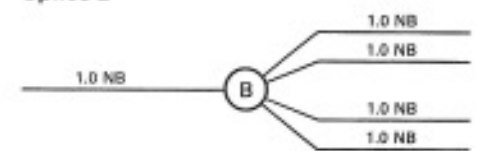


#### Key to 29-3

- 1 Battery earth point
- 2 Battery
- 3 Battery master switch
- 4 Hood lift motor relay
- 5 Hood lift diodes (luggage compartment)
- 6 Luggage compartment loom connections
- 7 Centre stowage compartment plug and socket 2-way
- 8 Hood lift motor
- 9 Hood lift control switch
- 10 Gearchange actuator plug and socket 6-way
- 11 Gearchange actuator park micro-switch
- 12 Splice A
- 13 Centre stowage compartment plug and socket 7-way
- 14 Luggage compartment earth point - right-hand front



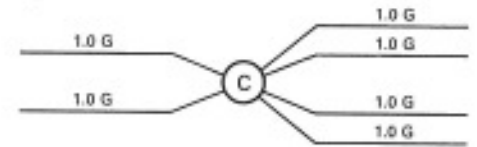
#### 15 Splice B



#### 16 Fuseboard F2, fuse A6, 20 Amp

#### 17 Fuseboard F1, fuse B4, 10 Amp

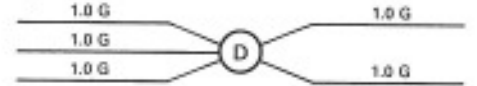
#### 18 Splice C



#### 19 Hood lift control relay

#### 20 'Other than Europe' plug and socket

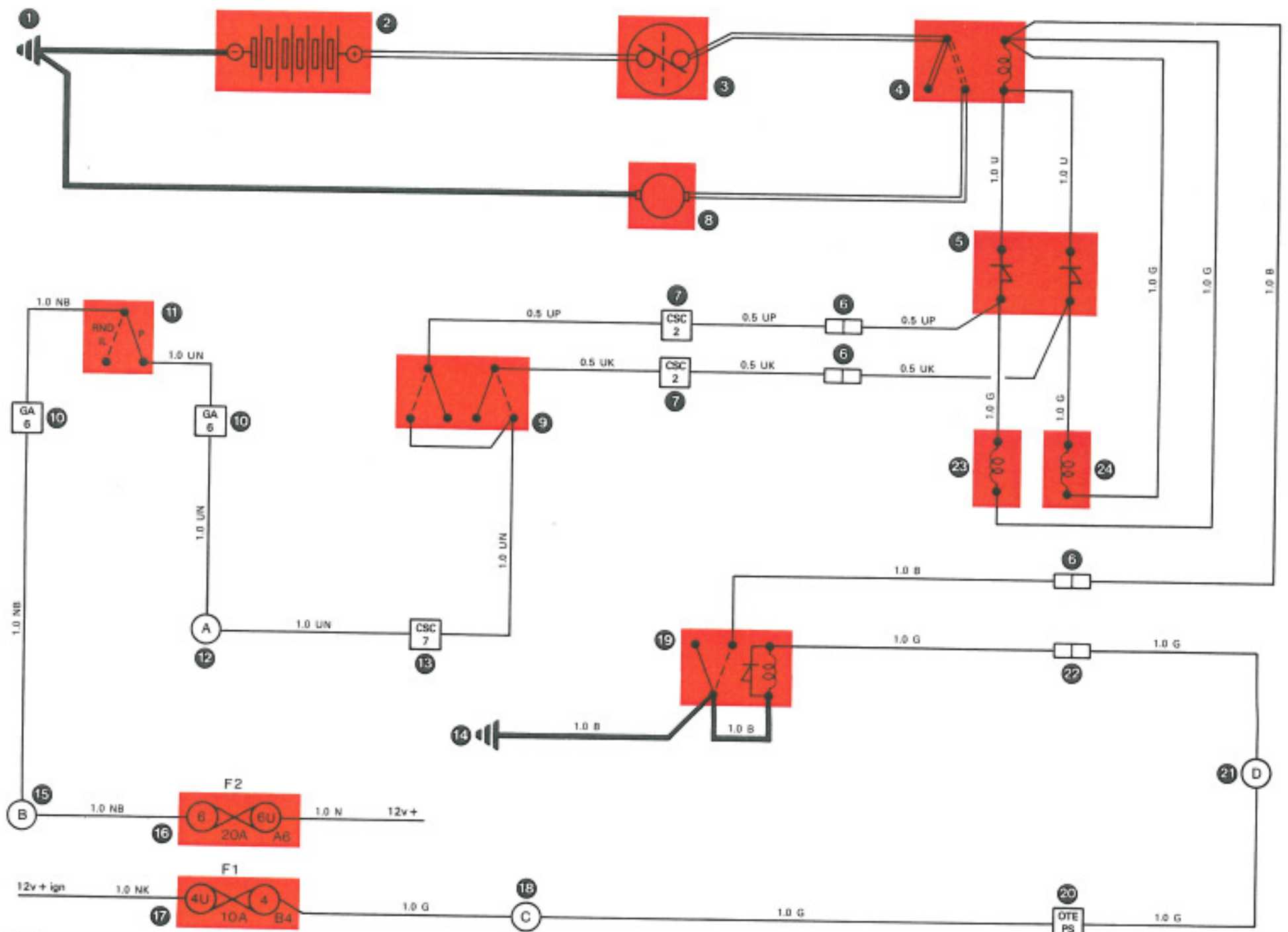
#### 21 Splice D



#### 22 Right-hand 'A' post loom connection

#### 23 Hood solenoid valve - to raise

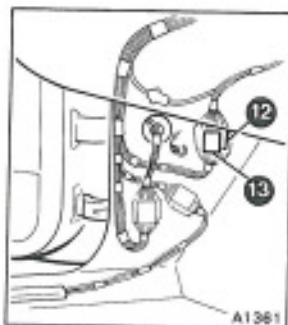
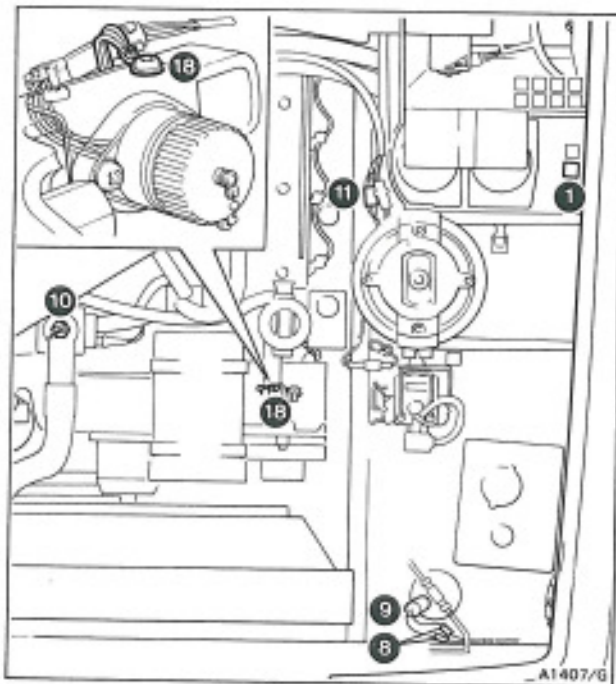
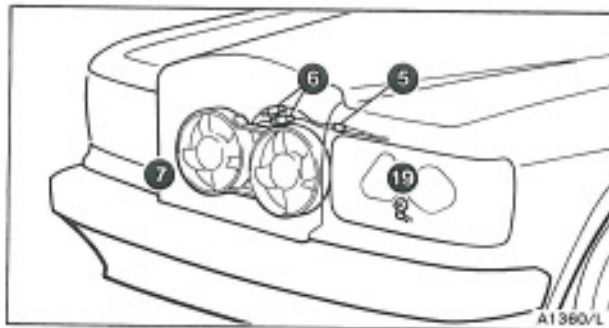
#### 24 Hood solenoid valve - to lower





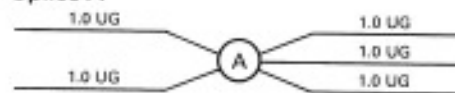
Auxiliary cooling fans

Contents	Specific application	Pages							
		Rolls-Royce		Corniche / Corniche II	Bentley Eight	Mulsanne	Mulsanne S	Turbo R	Continental
		Silver Spirit	Silver Spur						
Auxiliary cooling fans									
Component location		30-2	30-2	30-3	30-2	30-2	30-2	30-2	30-3
Wiring diagram		30-2	30-2	30-3	30-2	30-2	30-2	30-2	30-3

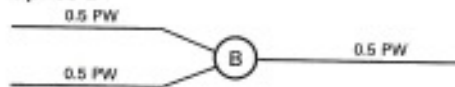


#### Key to 30-2

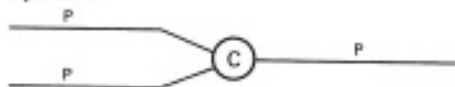
- 1 Auxiliary cooling fans relay
- 2 Splice A



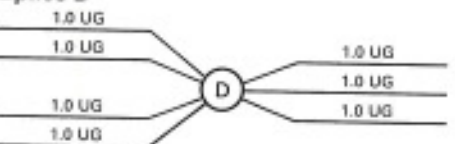
- 3 Splice B



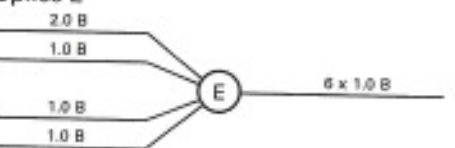
- 4 Splice C



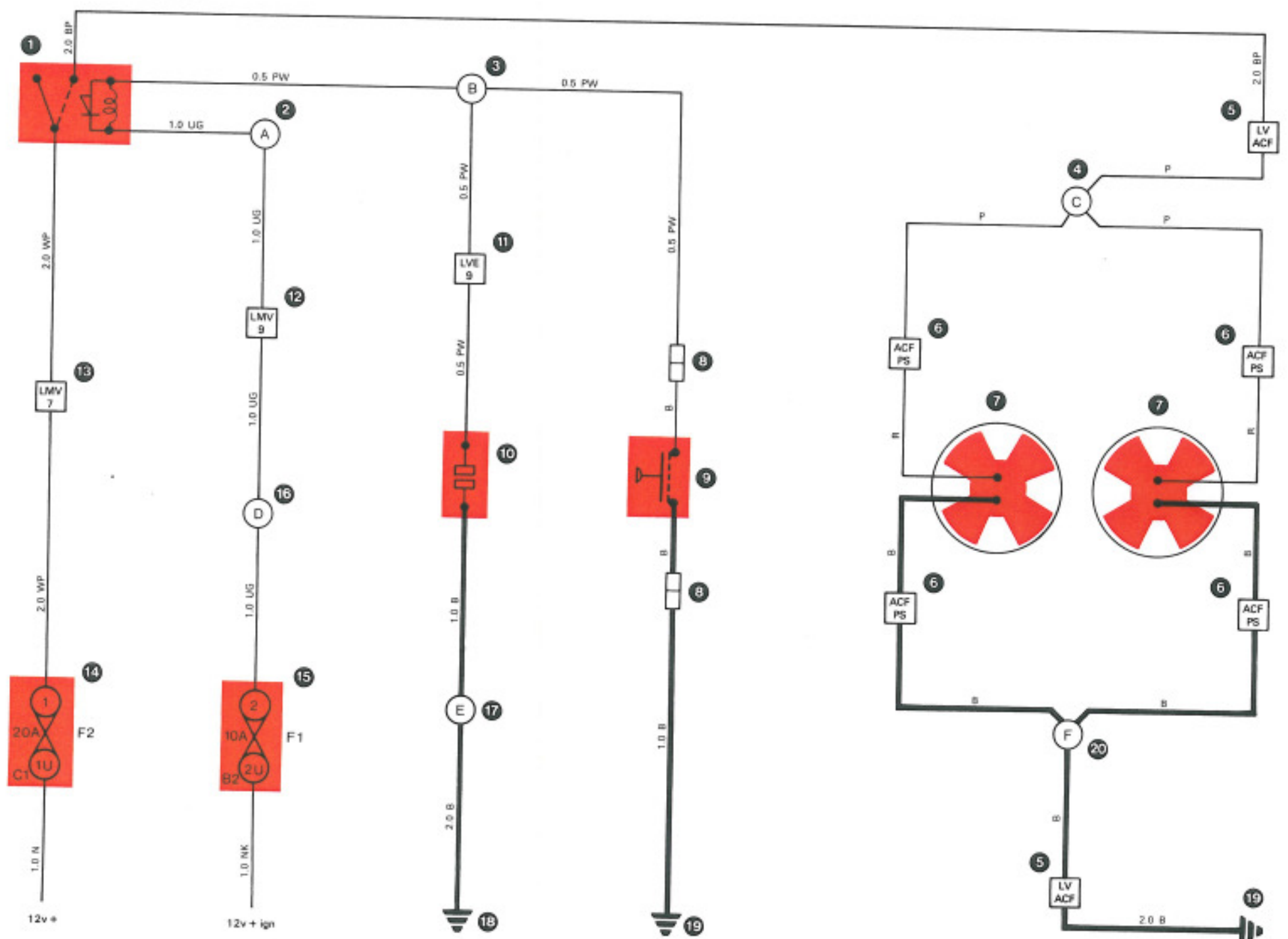
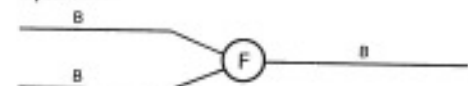
- 5 Left-hand valance to auxiliary cooling fans loom plug and socket
- 6 Auxiliary cooling fan plug and socket
- 7 Auxiliary cooling fans
- 8 Refrigerant pressure switch connection
- 9 Refrigerant pressure switch
- 10 Auxiliary cooling fans temperature switch
- 11 Left-hand valance to engine loom plug and socket 9-way
- 12 Left-hand main to valance loom plug and socket 9-way
- 13 Left-hand main to valance loom plug and socket 7-way
- 14 Fuseboard F2, fuse C1, 20 Amp
- 15 Fuseboard F1, fuse B2, 10 Amp
- 16 Splice D



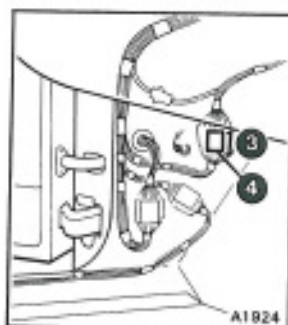
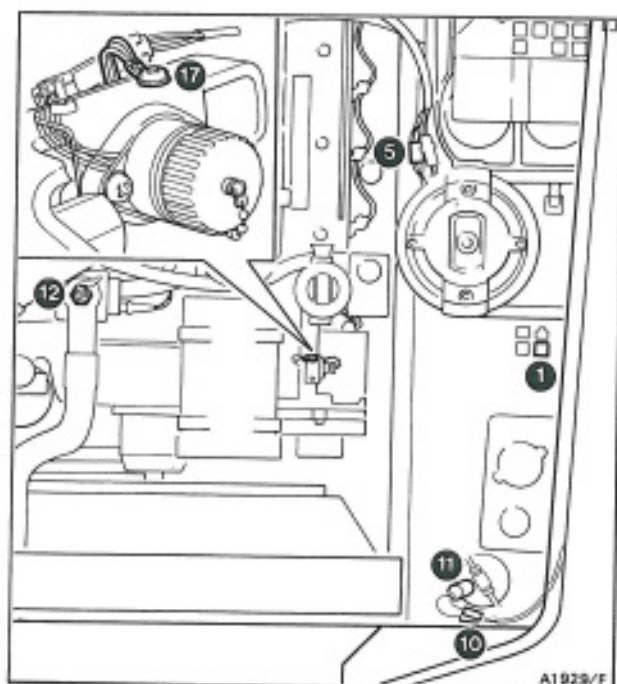
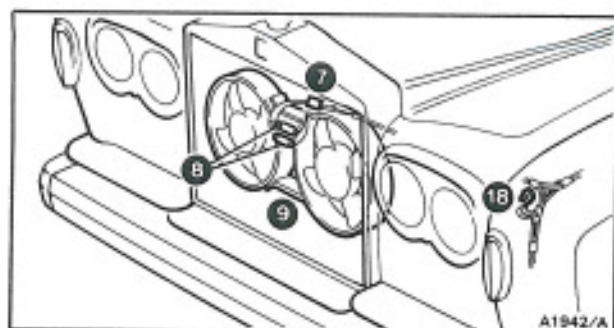
- 17 Splice E



- 18 Engine earth point
- 19 Left-hand front earth point (engine compartment)
- 20 Splice F

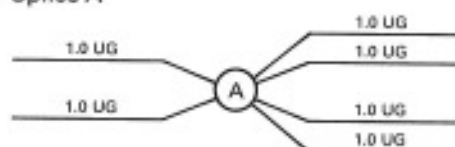




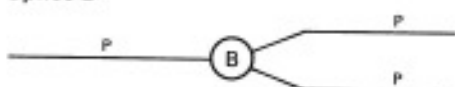


### Key to 30-3

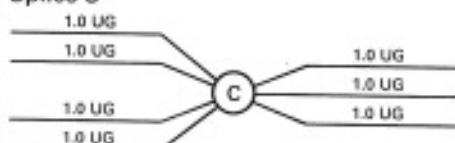
- 1 Auxiliary cooling fans relay
- 2 Splice A



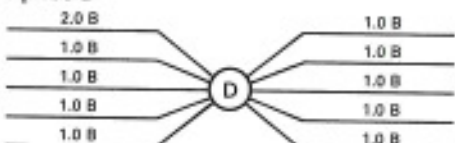
- 3 Left-hand main to valance loom plug and socket 7-way
- 4 Left-hand main to valance loom plug and socket 9-way
- 5 Left-hand valance to engine loom plug and socket 9-way
- 6 Splice B



- 7 Left-hand valance to auxiliary cooling fans loom plug and socket
- 8 Auxiliary cooling fan plug and socket
- 9 Auxiliary cooling fans
- 10 Refrigerant pressure switch connection
- 11 Refrigerant pressure switch
- 12 Auxiliary cooling fans temperature switch
- 13 Splice C

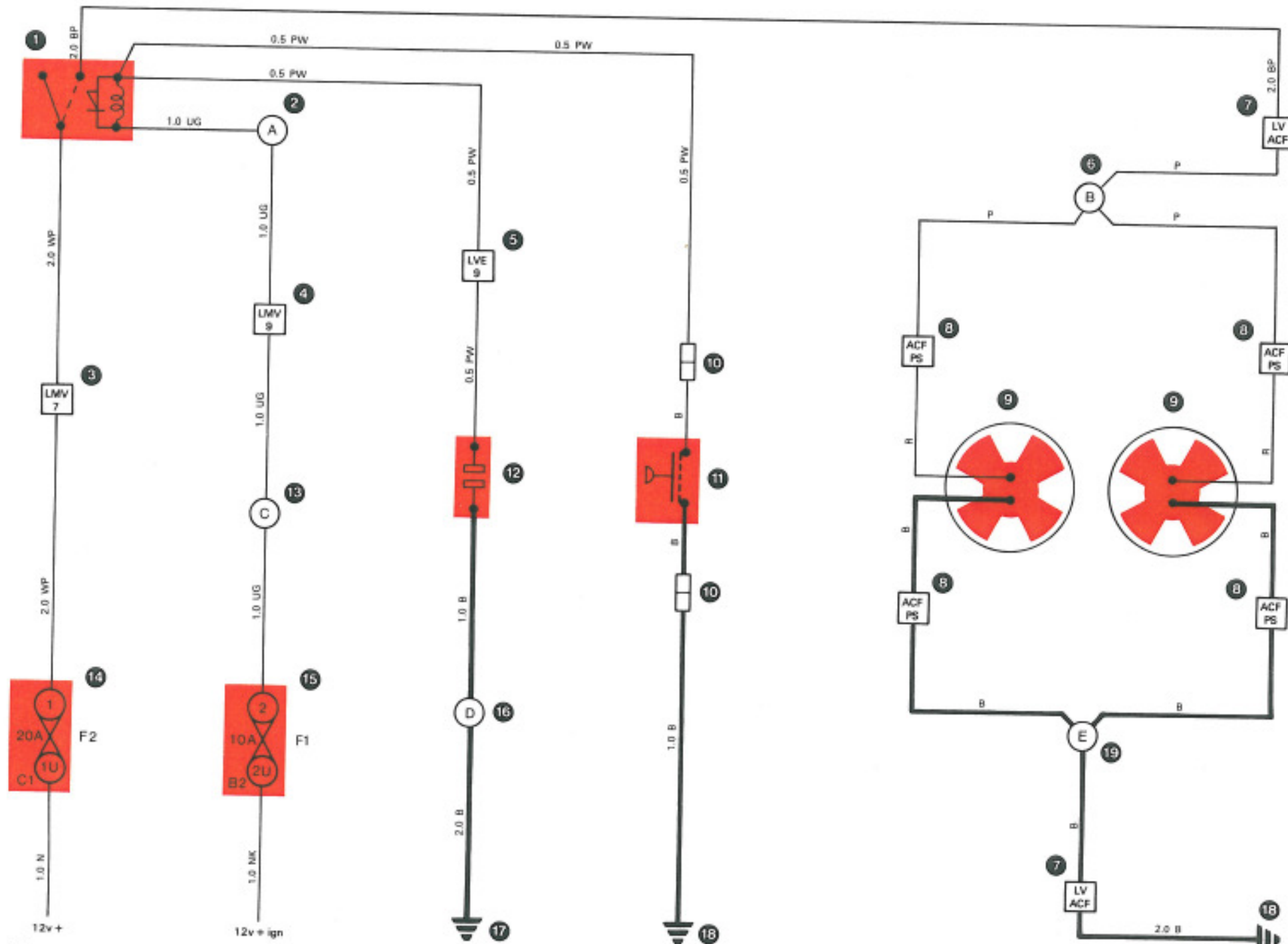
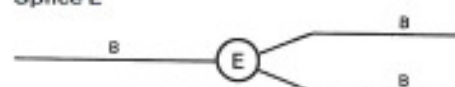


- 14 Fuseboard F2, fuse C1, 20 Amp
- 15 Fuseboard F1, fuse B2, 10 Amp
- 16 Splice D



- 17 Engine earth point
- 18 Left-hand front earth point (engine compartment)

### 19 Splice E



## Torque tightening figures

### Standard torque tightening figures

Tighten all setscrews, full nuts, and half nuts to the figures given in the tables.

**Setscrews** should be tightened to the figures quoted for full or castellated nuts.

**Plated parts** should have all burrs and foreign matter (e.g. grit, grease, and paint) removed from the abutment faces of the nuts, setscrews, washers, and components to ensure that the correct torque tightening figures are obtained.

The threads and abutment faces of **non-plated parts** should be smeared with engine oil before being fitted.

All unified nuts having an identification groove on one end, are to be fitted with the groove end away from the mating face.

**Certain items should not be torque tightened and these are as follows.**

1. Nuts which are locked by riveting
2. Wood screws
3. All threads less than 2 B.A.

Components used during manufacture of the vehicle have different thread formations (Metric, UNF, UNC, etc.). Therefore, when fitting nuts, bolts, and setscrews it is important to ensure that the correct type and size of thread formation is used.

#### Full nut

Size	Nm	kgf m	lbf ft
2 B.A.	6-6,5	0,6-0,7	48-60 lbf in
1/4 in dia UNF	11-13	1,2-1,4	8-10
7/16 in A/F			
5/16 in dia UNF	22-24	2,2-2,4	16-18
1/2 in A/F			
3/8 in dia UNF	39-43	4,0-4,4	29-32
9/16 in A/F			
7/16 in dia UNF	57-61	5,8-6,2	42-45
5/8 in and 1 1/16 in A/F			
1/2 in dia UNF	82-88	8,3-8,9	60-65
3/4 in A/F			
5/8 in dia UNF	116-122	11,6-12,4	85-90
7/8 in A/F			

#### Half nut

Size	Nm	kgf m	lbf ft
2 B.A.	3-4	0,3-0,4	30-36 lbf in
1/4 in dia UNF	7-9	0,7-0,9	5-7
7/16 in A/F			
5/16 in dia UNF	18-20	1,8-2,0	13-15
1/2 in A/F			
3/8 in dia UNF	30-33	3,0-3,4	22-25
9/16 in A/F			
7/16 in dia UNF	45-48	4,6-4,9	33-36
5/8 in and 1 1/16 in A/F			
1/2 in dia UNF	65-70	6,7-7,1	48-52
3/4 in A/F			
5/8 in dia UNF	99-105	10,1-10,7	73-78
7/8 in A/F			

#### Metric - Full nut

Size	Nm	kgf m	lbf ft
M6	11-13	1,2-1,3	8-10
M8	28-29	2,8-3,0	20-22
M10	56-59	5,7-6,0	41-44
M12	95-98	9,7-10,0	70-73
M16	240-249	24,5-25,4	177-184

## Workshop tools

RH 9623	Windscreen wiper arm extractor tool
RH 9882	Anti-lock braking systems test box
RH 9883	Speed control system test box
RH 9884	Air conditioning system test box
RH 9884 DET 1	Anti-static wristband
RH 9884 DET 2	Test pins link (air conditioning micro-processor board)
RH 9982	Battery tester
RH 12024	Passive restraint seat belts system test box



## Theoretical wiring diagrams

Contents	Specific application	Pages							
		Rolls-Royce		Corniche / Corniche II	Bentley Eight	Mulsanne	Mulsanne S	Turbo R	Continental
		Silver Spirit	Silver Spur						
Theoretical wiring diagram	1987 model year cars	32-3	32-3	32-11	32-3	32-3	—	32-7	32-11
Key to theoretical wiring diagram	1987 model year cars	32-5	32-5	32-13	32-5	32-5	—	32-9	32-13
Theoretical wiring diagram	1988 model year cars	32-15	32-15	32-19	32-15	—	32-15	32-7	32-19
Key to theoretical wiring diagram	1988 model year cars	32-17	32-17	32-21	32-17	—	32-17	32-9	32-21
Theoretical wiring diagram	In car entertainment for cars conforming to an Australian specification (Clarion 9000E radio/ cassette unit) or cars conforming to a Taiwan specification (Blaupunkt New York SQR 05 radio/cassette unit)	32-23	32-23	32-23	32-23	32-23	32-23	32-23	32-23
Key to theoretical wiring diagram		32-23	32-23	32-23	32-23	32-23	32-23	32-23	32-23



Reference must be made to the key for the specific application of components/circuits marked

#### Key to 32-15

- 1 Alternator
- 2 Seat actuators with memory (refer to key)  
**Note** Only one diagram for the seat system is shown, to cover both left-hand front and right-hand front seats. When connecting the stowage compartment loom to the seat switches, the predominant cable colours on a right-hand seat are brown/red and green/red. On a left-hand seat they are brown/green and green/white.
- 3 Direction indicators and hazard warning
- 4 Cigar lighters
- 5 Fuel filler door
- 6 Windtone and air horns
- 7 Gearchange
- 8 Engine cooling fans
- 9 Electric mirrors (refer to 15 for mirror heaters)
- 10 Window lifts
- 11 Interior lamps and seat belt warning
- 12 Centralized door locking
- 13 Speed control, stop lamps, and reversing lamps
- 14 Overspeed warning and catalyst overheat
- 15 Rear window demister and mirror heaters
- 16 Automatic air conditioning unit
- 17 Battery
- 18 Starter system
- 19 Headlamps  
— — — — Denotes cable route on right-hand drive cars  
- - - - - Denotes cable route on left-hand drive cars
- 20 Fog lamps
- 21 Side/position and tail lamps
- 22 Panel lamps
- 23 In car entertainment
- 24 Cellular telephone
- 25 Windscreen wipers and washers  
**Note** Windscreen wiper switch is a mechanically linked, 3-level wafer switch
- 26 Ignition system  
— — — — Denotes cable on cars fitted with a catalytic converter
- 27 Fuel injection, exhaust gas recirculation and tachometer  
— — — — Denotes cable route on right-hand drive cars  
- - - - - Denotes cable route on left-hand drive cars
- 28 Test points marked thus ①
- 29 Anti-lock braking system
- 30 Instruments and warning lamps
- 31 Passive restraint – seat belts
- 32 Electronic speedometer (refer to 27 for tachometer)
- 001 Anti-lock braking system electronic control unit
- 002 Anti-lock braking system hydraulic modulator valves
- 003 Anti-lock braking system modulator relay
- 003a Anti-lock braking system fuse (located in the luggage compartment)
- 004 Anti-lock braking system relay and 10 Amp fuse
- 005 Anti-lock braking system sensor – left-hand front wheel
- 006 Anti-lock braking system sensor – left-hand rear wheel
- 007 Anti-lock braking system sensor – right-hand front wheel
- 008 Anti-lock braking system sensor – right-hand rear wheel
- 009 Anti-lock braking system warning lamp
- 010 Acceleration enrichment switch (Cars fitted with a catalytic converter)
- 011 Acceleration enrichment temperature switch (Cars fitted with a catalytic converter)
- 012 Automatic air conditioning unit selector switch
- 013 Automatic air conditioning unit coolant temperature switch
- 015 Automatic air conditioning unit fan – right-hand
- 016 Automatic air conditioning unit fan – left-hand
- 017 Radio aerial motor
- 018 Air diverter valve (Cars fitted with a catalytic converter)
- 021 Air horns (when fitted)
- 022 Air horns compressor (when fitted)
- 023 Air horns relay (when fitted)
- 025 Alternator
- 026 Ambient temperature sensor
- 027 Ash tray spot lamp (Other than Bentley Mulsanne S)
- 028 Auxiliary air heater
- 029 High mounted stop lamp link (Cars conforming to a North American specification)
- 031 Battery master switch (Cars other than those conforming to a West German specification)
- 033 Brake pad wear sensor – left-hand
- 034 Brake pad wear sensor – right-hand
- 035 Brake pad wear warning lamp (Cars other than those conforming to an Australian, Japanese, or North American specification)
- 036 Brake pressure electronic control unit
- 037 Brake pressure switches 1 and 2
- 038 Brake pressure warning lamps 1 and 2

- 039 Centralized door locking lock relay
- 039a Centralized door locking cut-out
- 040 Door locking solenoid – left-hand rear
- 041 Door locking solenoid – right-hand rear
- 042 Door locking solenoid – left-hand front
- 043 Door locking solenoid – right-hand front
- 044 Door locking switches – left-hand front
- 045 Door locking switches – right-hand front
- 046 Centralized door locking unlock relay
- 047 Catalyst overheat unit (Cars conforming to a Japanese specification)
- 048 Catalyst warning lamp (Cars conforming to a Japanese specification)
- 049 Cellular telephone aerial
- 050 Cellular telephone handset
- 050a Cellular telephone socket
- 051 Cellular telephone microphone
- 052 Cellular telephone speaker
- 052a Cellular telephone plug and socket
- 053 Cellular telephone transceiver  
**Note** Items 049 to 053 inclusive (Silver Spur cars conforming to a North American or United Kingdom specification)
- 054 Sparking plugs
- 055 Cigar lighter – front
- 056 Cigar lighter – left-hand rear
- 057 Cigar lighter – right-hand rear
- 058 Clock – analogue
- 059 Clock – digital
- 060 Cold start injector
- 061 Compressor clutch
- 062 Compressor relay
- 065 Coolant temperature transmitter
- 066 Engine cooling fans
- 067 Engine cooling fans relay
- 068 Engine cooling fans temperature switch
- 069 Cranking interlock relay
- 071 Direction indicator – left-hand front
- 072 Direction indicator – left-hand rear
- 073 Direction indicator – right-hand front
- 074 Direction indicator – right-hand rear
- 075 Direction indicators switch
- 076 Direction indicators warning lamps
- 077 Distributor
- 078 Door mirror switch – left-hand
- 079 Door mirror switch – right-hand
- 080 Interior lamps door switch – driver's
- 081 Interior lamps door switch – rear passenger's
- 082 Interior lamps door switch – rear passenger's
- 083 Interior lamps door switch – front passenger's
- 084 Driver's door open relay (Cars conforming to a North American specification)
- 085 Driver's reading/interior lamps switch
- 087 Edge/step lamps – driver's door
- 088 Edge/step lamps – rear passenger door
- 089 Edge/step lamps – front passenger door
- 090 Edge/step lamps – rear passenger door
- 090a Diode (left-hand drive cars only)
- 091 Exhaust gas recirculation diode 1 (Cars fitted with a catalytic converter)
- 092 Exhaust gas recirculation diode 2 (Cars fitted with a catalytic converter)
- 093 Exhaust gas recirculation solenoid (Cars fitted with a catalytic converter)
- 095 Emission control temperature switch (Cars fitted with a catalytic converter)
- 096 Engine run sensor
- 097 Evaporative loss solenoid and diode (Cars fitted with a catalytic converter and cars conforming to a Middle East or Taiwan specification)
- 098 Facia stowage compartment lamp switch
- 099 Facia stowage compartment lamp
- 100 Fans control relay
- 101 Fan speed relay 1
- 102 Fan speed relay 2
- 103 Fan speed relay 3
- 104 Fan speed relay 4
- 105 Fan speed resistor block
- 106 Electronic flasher unit
- 107 Fog lamp – left-hand front (optional extra)
- 108 Fog lamp – left-hand rear (Cars other than those conforming to a Japanese or North American specification)
- 109 Fog lamp – right-hand front (optional extra)
- 110 Fog lamp – right-hand rear (Cars other than those conforming to a Japanese or North American specification)
- 111 Rear fog lamps relay (Cars other than those conforming to a Japanese or North American specification)
- 112 Front fog lamps switch and warning lamp (optional extra)
- 113 Rear fog lamps switch and warning lamp (Cars other than those conforming to a Japanese or North American specification)
- 114 Footwell lamp – left-hand rear
- 115 Footwell lamp – right-hand rear
- 116a Coolant temperature gauge
- 116b Fuel/oil level gauge
- 116c Oil pressure gauge
- 116d Battery condition indicator
- 117 Refrigerant pressure switch
- 118 Fuel filler door relay
- 119 Fuel filler door solenoid
- 120 Fuel filler door switch

- 122 Fuel pre-pump
- 123 Fuel pump
- 124 Fuel level sender unit
- 125 Fuel/oil level changeover switch
- 127 Fuseboard lamp
- 128 Fuseboard lamp switch
- 129 Fusible link (at alternator)
- 130 Gearchange actuator
- 130a Gearchange actuator micro-switches
- 131 Gearchange selector switch
- 132 Generator warning lamp
- 133 Hazard warning indicator lamps  
**Note** On cars other than those fitted with passive restraint seat belts, only one indicator lamp is used
- 134 Hazard warning switch
- 135 Headlamps sequencing relay
- 136 Headlamps flash relay
- 137 Headlamps flash/dip switch
- 138 Headlamps – left-hand
- 139 Headlamps power wash electronic control unit
- 140 Headlamps power wash pump
- 141 Headlamps relay 1
- 142 Headlamps relay 2 or relay base (dim/dip facility) – right-hand drive cars only  
**Note** On right-hand drive cars not fitted with dim/dip facility the relay is not fitted and the blue/pink and blue/slate cables are connected together at terminal 2 of the relay base
- 142a Dim/dip resistor (Cars fitted with dim/dip facility)
- 142b Dim/dip fuse – located on the left-hand engine compartment valance (Cars fitted with dim/dip facility)
- 143 Headlamps – right-hand
- 144 High mounted stop lamp (Cars conforming to a North American specification)
- 144a High mounted stop lamp fuse – located in luggage compartment (Cars conforming to a North American specification)
- 145 High mounted stop lamp relay (Cars conforming to a North American specification)
- 146 Horns push button switch
- 147 Windtone horns
- 147a Windtone horns link (Cars other than those fitted with air horns)
- 148 Horns changeover switch (Cars fitted with air horns)
- 149 Windtone horns relay
- 150 Hydraulic systems mineral oil level switches
- 151 Ice warning lamp
- 152 Ice warning amplifier (Bentley Eight and Bentley Mulsanne S)
- 153 Ice warning sensor (Bentley Eight and Bentley Mulsanne S)
- 156 Ignition coil
- 158 Interior lamps delay unit
- 159 Interior lamps – front passenger's
- 160 Interior lamps – left-hand rear
- 161 Interior lamps – driver's
- 162 Interior lamps – right-hand rear
- 163 Interior lamps switch – left-hand rear
- 164 Interior lamps switch – right-hand rear
- 165 Key warning buzzer (Cars conforming to a North American specification)
- 166 Kick-down solenoid
- 167 Kick-down relay (Cars fitted with a catalytic converter)
- 168 Knee roll temperature sensor
- 172 Speaker – left-hand front
- 173 Speaker – left-hand rear
- 174 Speaker – right-hand front
- 175 Speaker – right-hand rear
- 176 Low coolant switch
- 177 Low coolant warning lamp
- 178 Low fuel warning lamp
- 179 Hydraulic systems mineral oil level warning lamps
- 180 Low washer fluid switches
- 181 Low washer fluids warning lamp
- 182 Lower quantity actuator
- 183 Lower temperature selector
- 184 Luggage compartment lock selector switch
- 185 Luggage compartment lamp switch
- 186 Luggage compartment lock solenoids
- 187 Luggage compartment centralized door locking switch (Not applicable to Bentley Eight cars other than those conforming to a North American specification)
- 188 Luggage compartment lamp
- 189 Main beam warning lamp
- 191 Map lamp switch
- 192 Micro-processor (Automatic air conditioning unit)
- 193 Door mirror – left-hand
- 194 Door mirror heater – left-hand
- 195 Door mirror heater – right-hand
- 196 Door mirror – right-hand
- 197 Mode change actuator
- 198 Mode change recirculation switch
- 199 Neutral start switch (column)
- 200 Neutral start switch (gearchange actuator)
- 201 Number plate lamps
- 202 Outside air temperature sensor (Bentley Eight and Bentley Mulsanne S)





- 203 Outside air temperature and ice warning lamp sensor (Other than Bentley Eight and Bentley Mulsanne S)
- 204 Outside air temperature gauge – analogue
- 205 Outside air temperature gauge – digital
- 206 'Off screen' park switch
- 206a 'On screen' park switch
- 206b 'Run' position
- 206c 'Park' position
- 207 Oil level transmitter
- 209 Oil pressure switch
- 210 Oil pressure transmitter
- 211 Oil pressure warning lamp
- 212 Overspeed warning buzzer (*Cars conforming to a Middle East specification*)
- 214 Overspeed warning electronic control unit (*Cars conforming to a Middle East specification*)
- 215 Oxygen sensor and heater (*Cars fitted with a catalytic converter*)
- 216 Oxygen sensor warning lamp (*Cars fitted with a catalytic converter, excluding cars conforming to an Austrian, Japanese, or Swiss specification*)
- 217 Panel lamp – cigar lighter
- 218 Panel lamp – four-in-one instrument (Other than Bentley Mulsanne S)
- 219 Panel lamp – gear range dial
- 220 Panel lamp – map lamp switch
- 221 Panel lamps – speedometer
- 222 Panel lamps dimming potentiometer
- 223 Panel lamps dimming unit
- 224 Panel lamps – switch panels
- 225 Panel lamps – switchbox
- 225a Panel lamp – battery condition indicator (Bentley Mulsanne S)
- 225b Panel lamp – coolant temperature gauge (Bentley Mulsanne S)
- 225c Panel lamp – oil pressure gauge (Bentley Mulsanne S)
- 225d Panel lamp – fuel/oil level gauge (Bentley Mulsanne S)
- 226 Park switch (gearchange actuator)
- 227 Parking brake switch
- 228 Parking brake warning lamp (*Cars other than those conforming to an Australian, Japanese, or North American specification*)
- 228a Parking brake/brake pad wear warning lamp (*Cars conforming to an Australian, Japanese, or North American specification*)
- 228b Warning lamps link (*Cars conforming to an Australian, Japanese, or North American specification*)
- 231 Fuel injection control unit (*Cars fitted with a catalytic converter*)
- 233 Pressure control valve (*Cars fitted with a catalytic converter*)
- 235 Radio/cassette unit amplifier (*Cars conforming to a Japanese specification*)
- 236 Fuse (located in the luggage compartment) – radio, seats, clock, outside air temperature gauge, and cellular telephone
- 237 Radio relay
- 238 Radio/cassette unit (*Cars conforming to a European or Middle East specification*)
- 239 Radio/cassette unit (*Cars conforming to a North American specification*)
- 241 Radio/cassette unit (*Cars conforming to a Japanese specification*)
- 241a Remote tuning control (*Cars conforming to a Japanese specification*)
- 241a Remote tuning control (*Cars conforming to a Japanese specification*)
- 241b Radio/cassette unit in-line suppressors (*Cars conforming to a Japanese specification*)
- 242 Rear window demister relay
- 243 Rear window demister
- 244 Recirculation actuator – left-hand
- 245 Recirculation actuator – right-hand
- 246 Reversing lamps
- 247 Seat belt stalk switch (*Cars conforming to a North American specification excluding those fitted with passive restraint seat belts*)
- 248 Seat belt warning lamp (*Cars conforming to a North American specification excluding those fitted with passive restraint seat belts*)
- 248a Seat belt warning lamp (*Cars other than those conforming to a North American specification*)
- 249 Seat belt electronic control unit (*Cars conforming to a North American specification excluding those fitted with passive restraint seat belts*)
- 250 Seat memory electronic control unit – left-hand
- 251 Seat memory electronic control unit – right-hand
- 252 Seat memory switches – left-hand
- 253 Seat memory switches – right-hand
- 254 Seat motors – left-hand
- 254a Front up/down positions
- 254b Forward/reverse positions
- 254c Rear up/down positions
- 254d Squab rake positions
- 255 Seat motors – right-hand
- 255a Front up/down positions
- 255b Forward/reverse positions
- 255c Rear up/down positions
- 255d Squab rake positions
- 256 Seat gearbox position sensors

- 259 Seat switch – left-hand
- 260 Seat switch – right-hand
- 261 Side/position lamp – left-hand front
- 262 Side/position lamp – right-hand front
- 263 Side/position lamps warning lamp
- 264 Side repeater – left-hand
- 265 Side repeater – right-hand
- 266 Solar temperature sensor
- 267 Speed control brake switch
- 268 Speed control electronic control unit
- 268a Resume switch
- 268b Set and accelerate switch
- 268c Cancel switch
- 269 Diagnostic socket
- 270 Speed control actuator
- 270a Position potentiometer
- 270b Motor
- 270c Clutch
- 271 Speed control switch
- 272 Speed signal generator
- 273 Speedometer
- 274 Starter inhibit relay
- 275 Starter motor
- 275a Starter solenoid
- 276 Starter relay
- 277 Stop lamp failure relay
- 278 Stop lamp – left-hand
- 278a Stop lamp – left-hand (*Cars conforming to a Japanese or North American specification*)
- 279 Stop lamp – right-hand
- 279a Stop lamp – right-hand (*Cars conforming to a Japanese or North American specification*)
- 280 Stop lamp failure warning lamp
- 281 Stop lamps switch
- 282 Switchbox
- 282a Lighting switches
- 282b Starter switch
- 282c Ignition switch
- 282d Key switch
- 282e 'Key out' position
- 282f 'Key in' position
- 283 Tachometer (Bentley Mulsanne S)
- 283a Panel lamps – tachometer (Bentley Mulsanne S)
- 284 Tail lamp – left-hand (*Cars conforming to a Japanese or North American specification*)
- 285 Tail lamp – left-hand
- 286 Tail lamp – right-hand
- 287 Tail lamp – right-hand (*Cars conforming to a Japanese or North American specification*)
- 288 Thermocouple link (*Cars conforming to a Japanese specification*)
- 289 Thermal time switch
- Note** Double element type shown, however, on cars conforming to a North American specification a single element type is fitted
- 291 Idle speed control solenoid
- 292 Throttle position switch
- 293 Flywheel timing sensor
- 294 Underbonnet lamp
- 295 Underbonnet lamp switch
- 296 Upper air temperature sensor
- 298 Vanity mirror lamp and switch (when fitted)
- 299 Warning lamps dimming relay
- 300 Warning lamps test relay
- 301 Water tap relay
- 302 Water tap solenoid – energized water off
- 303 Rear windows isolation switch
- 304 Window lifts latch relay (*Cars conforming to a North American specification*)
- 305 Window lift motor – driver's
- 306 Window lift motor – left-hand rear
- 307 Window lift motor – front passenger's
- 308 Window lift motor – right-hand rear
- 309 Window lifts relay or link (*On cars conforming to a Japanese or United Kingdom specification, the relay is not fitted and the black and black/slate cables are interlinked at the relay base*)
- 310 Window lift switches – driver's
- 311 Window lift switch – left-hand rear
- 312 Window lift switch – front passenger's
- 313 Window lift switch – right-hand rear
- 314 Windscreen wash pump
- 315 Windscreen wash switch
- 316 Windscreen wiper control unit
- 317 Windscreen wiper motor
- 318 Windscreen wiper relay 1
- 319 Windscreen wiper relay 2
- 320 Windscreen wiper relay 3
- 321 Windscreen wiper switch – see item 25
- 322 Heaters inhibit relay
- 323 Warm-up regulator heater
- 324 Battery
- 325 Footwell lamp – left-hand front
- 326 Footwell lamp – right-hand front
- 328 Panel lamp – analogue clock
- 329 Panel lamp – analogue outside air temperature gauge
- 330 Compressor ambient thermostat
- 331 Upper temperature selector
- 350 Passive restraint seat belt electronic control unit – front passenger's
- 352 Passive restraint seat belt electronic control unit – driver's
- 353 Passive restraint seat belt 'A' post limit switch – front passenger's

- 354 Passive restraint seat belt 'A' post limit switch – driver's
  - 355 Passive restraint seat belt 'BC' post limit switch – front passenger's
  - 356 Passive restraint seat belt 'BC' post limit switch – driver's
  - 357 Passive restraint seat belt emergency buckle proximity switch – front passenger's
  - 358 Passive restraint seat belt emergency buckle proximity switch – driver's
  - 359 Passive restraint lap belt buckle switch – driver's
  - 360 Passive restraint lap belt buckle switch – front passenger's
  - 361 Diagonal seat belt motor – front passenger's
  - 362 Diagonal seat belt motor – driver's
  - 363 Passenger's seat belts warning lamp
  - 364 Driver's seat belts warning lamp
  - 365 Audible warning electronic control unit
- Note** Items 350 to 365 inclusive (*Cars fitted with passive restraint seat belts*)

#### Fuseboard F1

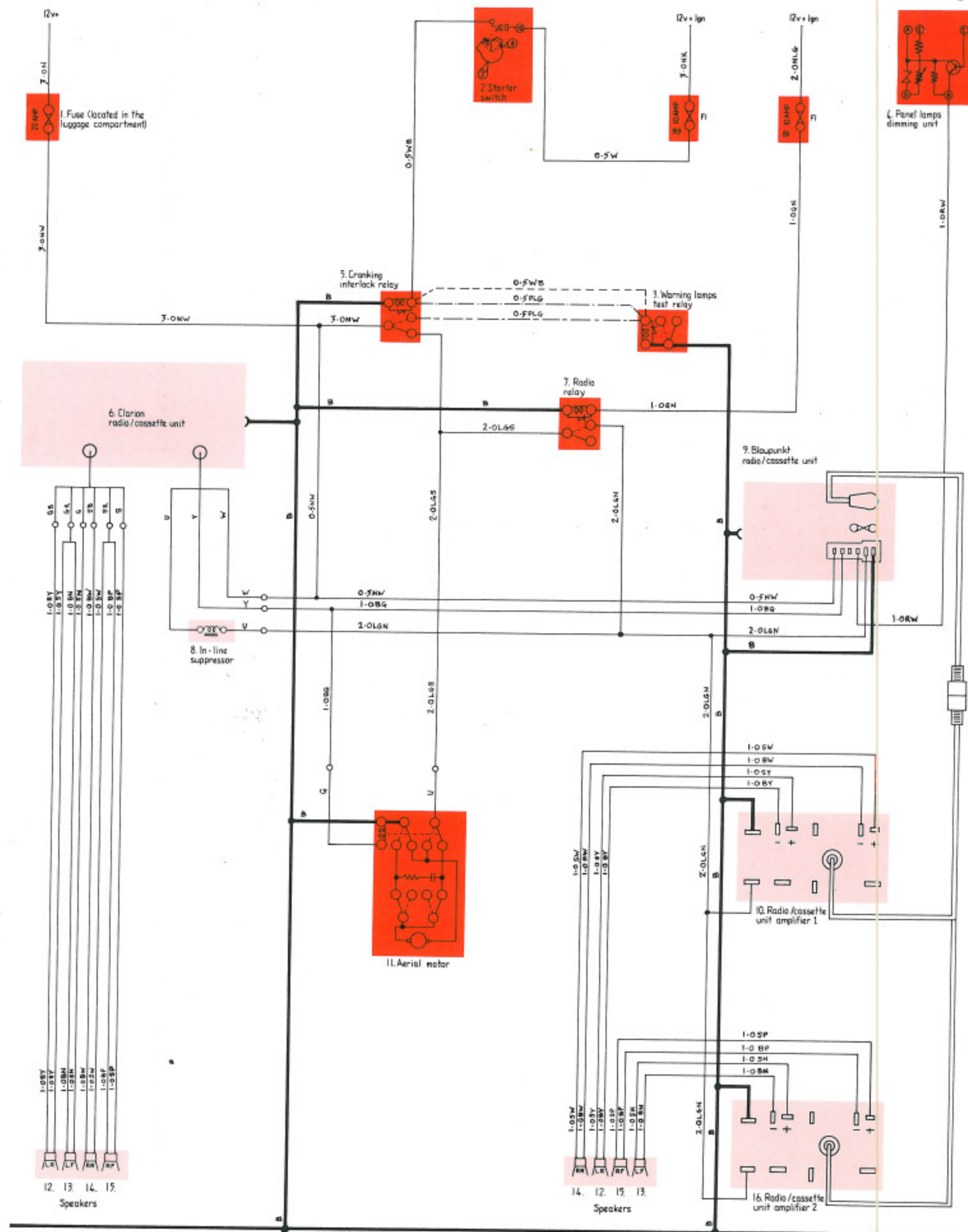
Fuse number	Fuse rating (Amps)	Circuits controlled
A1	4	Automatic air conditioning unit
A2	4	Spare
A3	4	Cellular telephone
A4		Not used
A5	10	Cellular telephone and seat memories
A6	10	Spare
B1	10	In car entertainment and panel lamps
B2	10	Direction indicators
B3	10	Ignition, starter, and fuel pump
B4	10	Instruments and warning lamps
B5	10	Interior lamps
B6	10	Spare
C1	10	Tail lamp – left-hand
C2	10	Tail lamp – right-hand
C3	10	Front side/position lamps, number plate lamps, and warning lamps dimming control
C4	10	Dipped beam headlamp – left-hand
C5	10	Dipped beam headlamp – right-hand
C6	10	Headlamps power wash control and rear fog lamps

#### Fuseboard F2

Fuse number	Fuse rating (Amps)	Circuits controlled
A1	20	Front fog lamps
A2	20	Main beam headlamp – right-hand
A3	20	Main beam headlamp – left-hand
A4	20	Passive restraint seat belt electronic control unit – driver's
A5	20	Passive restraint seat belt electronic control unit – front passenger's
A6	20	Gearchange
B1	20	Windscreen wipers/washers and door mirrors
B2	20	Spare
B3	20	Speed control, stop lamps, and reversing lamps
B4	20	Rear window demister and door mirror heaters
B5	20	Fuel injection system
B6	20	Spare
C1	20	Engine cooling fans
C2	20	Hazard warning
C3	20	Windtone horns and air horns
C4	20	Cigar lighters and fuel filler door
C5	20	Headlamps power wash
C6	20	Spare

#### Fuseboard F3

Fuse number	Fuse rating (Amps)	Circuits controlled
A1		Not used
A2		Not used
A3		Not used
A4		Not used
A5		Not used
A6	30	Automatic air conditioning unit fans, water tap solenoid, and refrigeration compressor
B1	30	Spare
B2	30	Seat control – left-hand
B3	30	Seat control – left-hand
B4	30	Seat control – right-hand
B5	30	Seat control – right-hand
B6	30	Spare
C1	30	Spare
C2	30	Window lift – driver's door
C3	30	Window lift – front passenger's
C4	30	Window lift – right-hand rear
C5	30	Window lift – left-hand rear
C6	30	Spare



- Key**
- 1 Fuse (located in the luggage compartment)
  - 2 Starter switch
  - 3 Warning lamps test relay
  - 4 Panel lamps dimming unit
  - 5 Cranking interlock relay
  - 6 Clarion radio/cassette unit
  - 7 Radio relay
  - 8 Clarion radio/cassette unit in-line suppressor
  - 9 Blaupunkt radio/cassette unit
  - 10 Blaupunkt radio/cassette unit amplifier 1
  - 11 Aerial motor

- 12 Speaker – left-hand rear  
13 Speaker – left-hand front  
14 Speaker – right-hand rear  
15 Speaker – right-hand front  
16 Blaupunkt radio/cassette unit amplifier 2

**Note** — — — Applicable to 1987 model year cars other than Turbocharged cars  
 — — — — Applicable to 1987 model year Turbocharged cars  
 — — — — — Applicable to 1988 model year cars





## **Rolls-Royce and Bentley Motor Cars**



**Silver Spirit - Silver Spur - Corniche - Flying Spur - Silver Dawn - Park Ward**

**Mulsanne - Eight - Mulsanne Turbo - Turbo R - Turbo S - Turbo RT - Brooklands -  
Continental - Continental R - - Continental S - Continental T - Azure**

## **Twin Distributors - Drive Belt Replacement**

*Proudly provided by the Rolls-Royce Owners Club of Australia for all Rolls-Royce and Bentley Enthusiasts*

## Twin Ignition Distributor Belt Replacement

rht Nov 14 2008

To ensure continued reliability of the dual distributor, renewal of the internal drive belt is included in the service schedule of all cars equipped with dual (tandem) distributors.

The drive belt, part number UE 46127 should be renewed during scheduled maintenance every 30,000 miles (50,000 km) or 36 months which ever is the sooner.

### Applicable to:-

All Rolls-Royce and Bentley motor cars within the following vehicle identification numbers (VIN):-

#### Bentley

Continental	*SCBZD02A4LCX30002* to *SCBZD02D4PCX40531
Continental R	*SCBZB03D5NCX42001* to *SCBZB04D3PCH42728
Turbo R	*SCBZS0T03HCX20001* to *SCBZR03A3PCH46782
Turbo R LWB	*SCBZN0T03HCX20068* to *SCBZP03A8PCH46783
Eight	*SCBZE00A6LCH31008* to *SCBZE02A9NCH44562
Mulsanne S	*SCBZS00A5LCX31006* to *SCBZS02D5NCX44588
Mulsanne SL	*SCBZN02A7LCX31223* to *SCBZN02A4NCH44582
Brooklands	*SCBZE02D4PCX46004* to *SCBZE02A5PCH46778
Brooklands LWB	*SCBZF02D4PCX46260* to *SCBZF02D8PCX46701

#### Rolls-Royce

Corniche III	*SCAZD00AXLCH30001* to *SCAZD02A4MCX30636
Corniche IV	*SCAZD02A9NCX40001* to *SCAZD02A1PCH40533
Silver Spirit II	*SCAZS00A7LCH31001* to *SCAZS00A6PCX46740
Silver Spur II	*SCAZN02A7LCX31002* to *SCAZN00AXPCX46781
Silver Spur II Limousine	*SCAZW02D5NCX80001* to *SCAZW00AXPCH80056

### Introduction.

This Product Support Information Sheet details the procedure to use when replacing the drive belt in tandem ignition distributors.

### Procedure

See the diagramme below: Twin Distributor Belt Replacement.

- 1. Carry out Workshop Safety Procedures.
- 2. Removal the distributor.
- 3. Using a 3mm hexagon key remove both rotor arm hexagon screws. Both must be removed before the rotor arms can be removed.
- 4. Remove both dust covers.
- 5. Remove the upper, inner and outer circlips from the group 1 spindle
- 6. Remove the group 1 spindle. This will remove the lower bearing and spindle from the distributor case. Remove the group 1 drive belt gear and spacing washer, noting the position of gear and washer on removal.
- 7. Remove the upper bearing and lower circlip from the group 1 opening.
- 8. Remove the old drive belt (if still intact) through the top of the group 2 opening and enter the new belt through the same opening. Do not engage into the group 2 gear at this time.

- 9. With the drive gear engaged on the group 1 spindle key, fit the spindle and lower bearing up into the bottom group 1 opening; engage the new belt.
- 10. From the top of the group 1 opening, place the spacing washer in place on the spindle. Refit the lower circlip and the top bearing. Refit the top circlip.  
**Note:** The threaded end of the hexagon screw hole should be opposite to the spindle from the notch.
- 12. While held in the aligned position, apply pressure to the top of the drive belt to engage the belt into the group 2 drive gear. Slowly rotate both spindles until the drive belt is fully engaged.
- 13. Confirm that the belt timing is correctly located by checking that both spindle holes align with their respective slots.
- 14. Refit both dust covers.
- 15. Refit both rotor arms.
- 16. Confirm rotor arm timing is as Fig. B4-1. If incorrect, remove both rotor arms and dust covers, disengage the drive belt from the group 2 drive gear by rotating while applying upward pressure. Repeat operations 11 to 13 to re-engage.
- 17. With the distributor held in the position indicated in operation 2, the engine timing should still be correct and the distributor fitted directly.

**Part Number Required**

UE 46127 Drive belt 1 Off

**Repair and Defect Code Manual**

Defect Code Repair 3701050056 37010500 Code S Time 1 Hour



