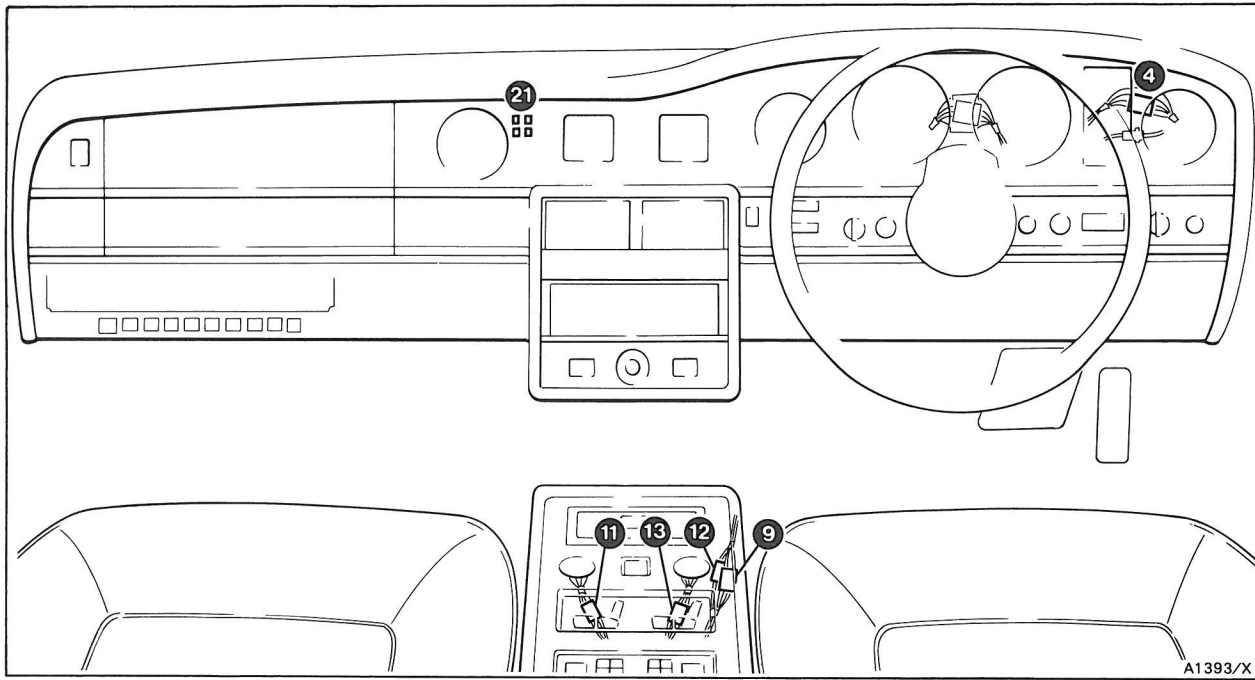


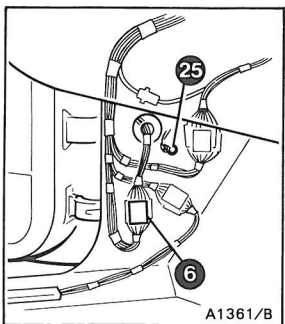


## Rear view door mirrors and rear window demister

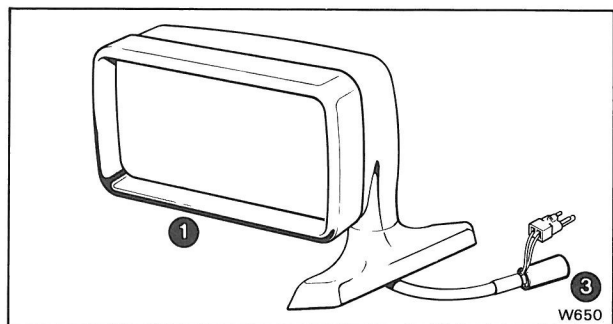
Contents	Specific application	Pages							
		Rolls-Royce		Corniche	Corniche II	Bentley			Continental
		Silver Spirit	Silver Spur					Eight	
<b>Rear view door mirrors – position adjustment</b>									
Component location	<i>Cars other than those conforming to a North American specification</i>	16-2	16-2	16-2	—	16-2	16-2	16-2	16-2
Wiring diagram	<i>Cars other than those conforming to a North American specification</i>	16-3	16-3	16-3	—	16-3	16-3	16-3	16-3
Component location	<i>Cars conforming to a North American specification</i>	16-2	16-2	—	16-6	16-2	16-2	—	16-6
Wiring diagram	<i>Cars conforming to a North American specification</i>	16-3	16-3	—	16-7	16-3	16-3	—	16-7
<b>Rear view door mirrors heaters and rear window demister</b>									
Component location		16-4	16-4	16-8	16-8	16-4	16-4	16-4	16-8
Wiring diagram		16-4	16-4	16-8	16-8	16-4	16-4	16-4	16-8



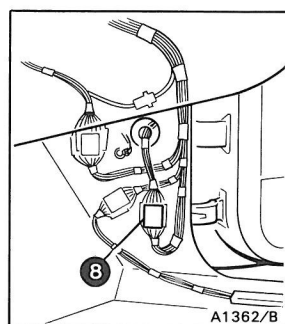
A1393/X



A1361/B



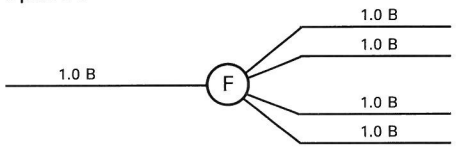
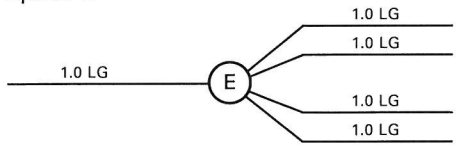
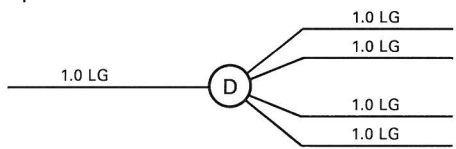
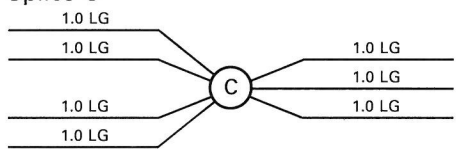
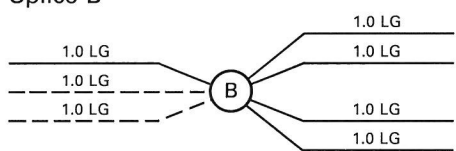
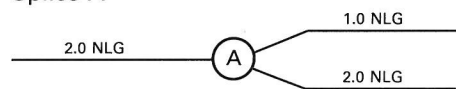
W650



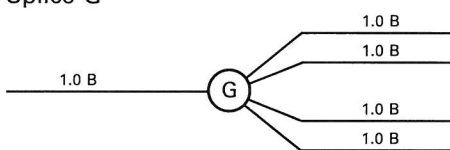
A1362/B

**Key to 16-3**

- 1 Left-hand door mirror
- 2 Right-hand door mirror
- 3 Door mirror plug and socket
- 4 Switchbox plug and socket 5-way
- 5 Splice A
- 6 Left-hand front door plug and socket 12-way
- 7 Fuseboard F2, fuse B1, 20 Amp
- 8 Right-hand front door plug and socket 12-way
- 9 Centre stowage compartment plug and socket 12-way
- 10 Splice B
- 11 Left-hand mirror switch plug and socket
- 12 Centre stowage compartment plug and socket 7-way
- 13 Right-hand mirror switch plug and socket
- 14 Splice C
- 15 Left-hand mirror switch
- 16 Splice D
- 17 Splice E
- 18 Right-hand mirror switch
- 19 Splice F

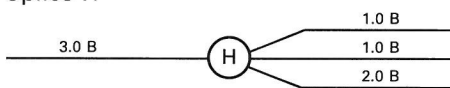


**20 Splice G**

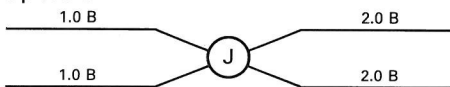


**21 Instrument board earth point**

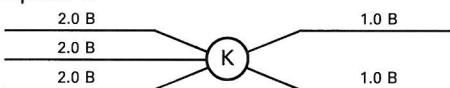
**22 Splice H**



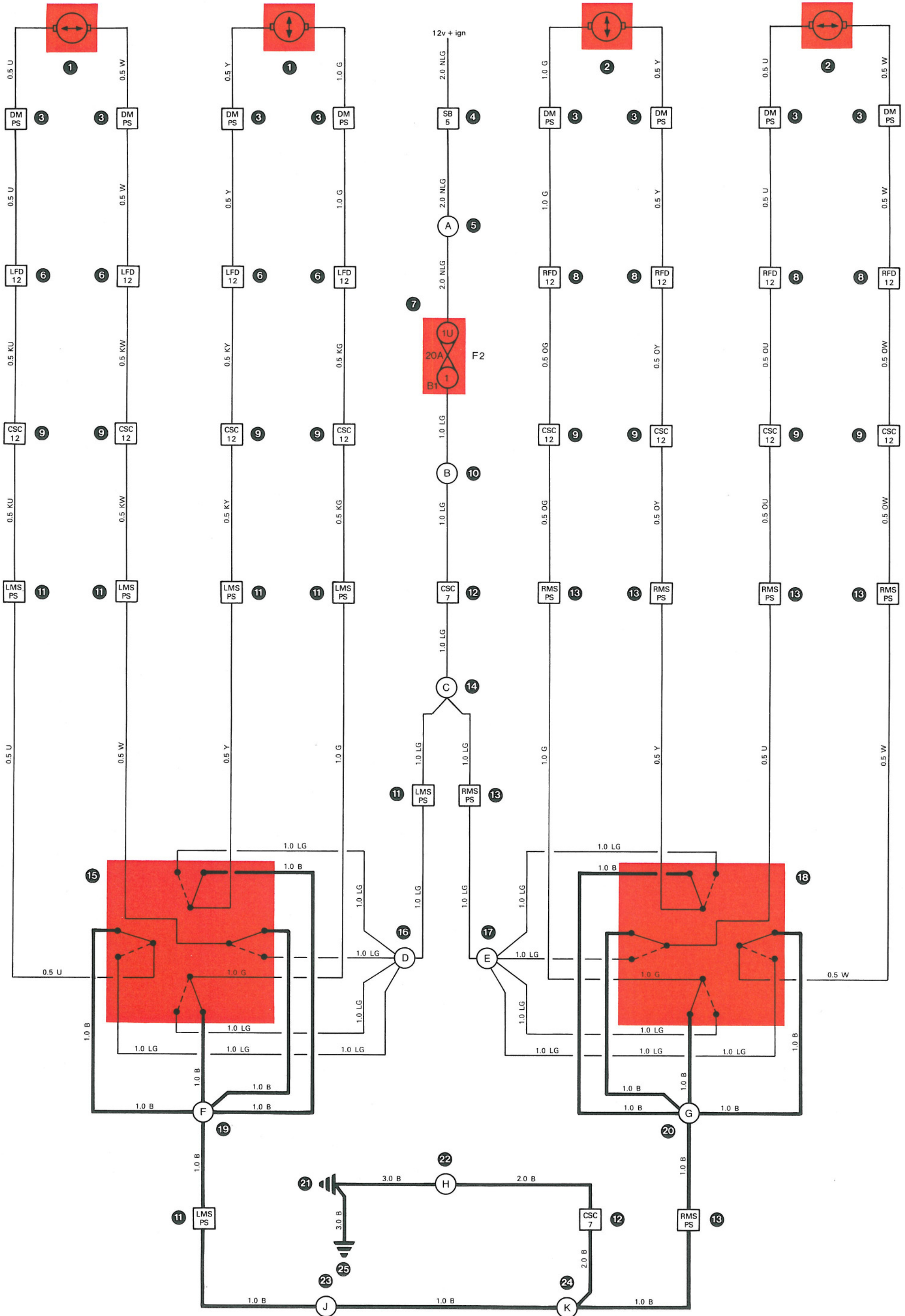
**23 Splice J**

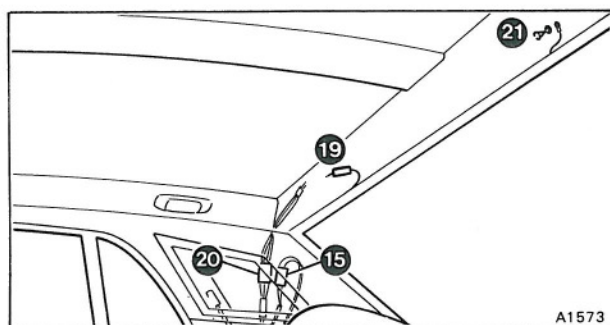
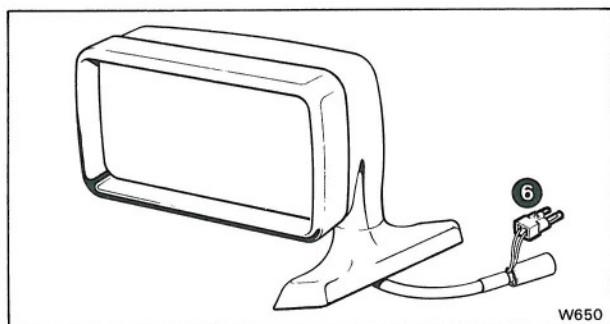
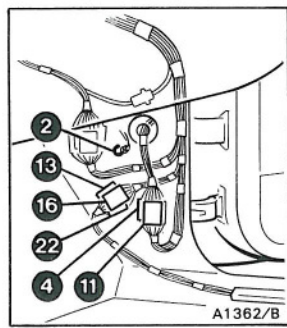
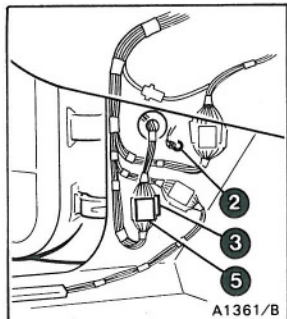
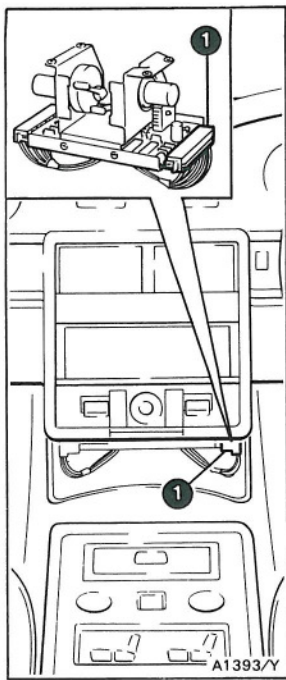


**24 Splice K**



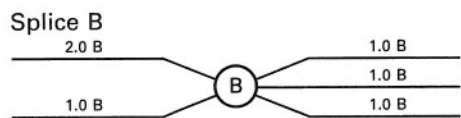
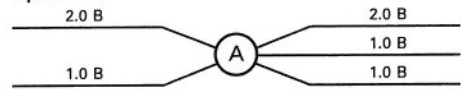
**25 Left-hand 'A' post earth point**



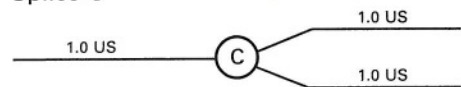


**Key to 16-4**

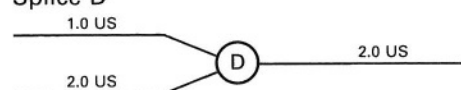
- 1 Automatic air conditioning unit right-hand micro-processor plug and socket 18-way
- 2 'A' post earth point
- 3 Left-hand front door plug and socket 7-way
- 4 Right-hand front door plug and socket 7-way
- 5 Left-hand front door plug and socket 12-way
- 6 Door mirror heater plug and socket
- 7 Left-hand rear view door mirror heater
- 8 Splice A
- 9 Splice B



- 10 Right-hand rear view door mirror heater
- 11 Right-hand front door plug and socket 12-way
- 12 Splice C

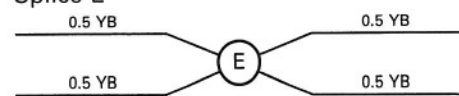


- 13 Right-hand 'A' post main to body loom plug and socket 6-way
- 14 Splice D



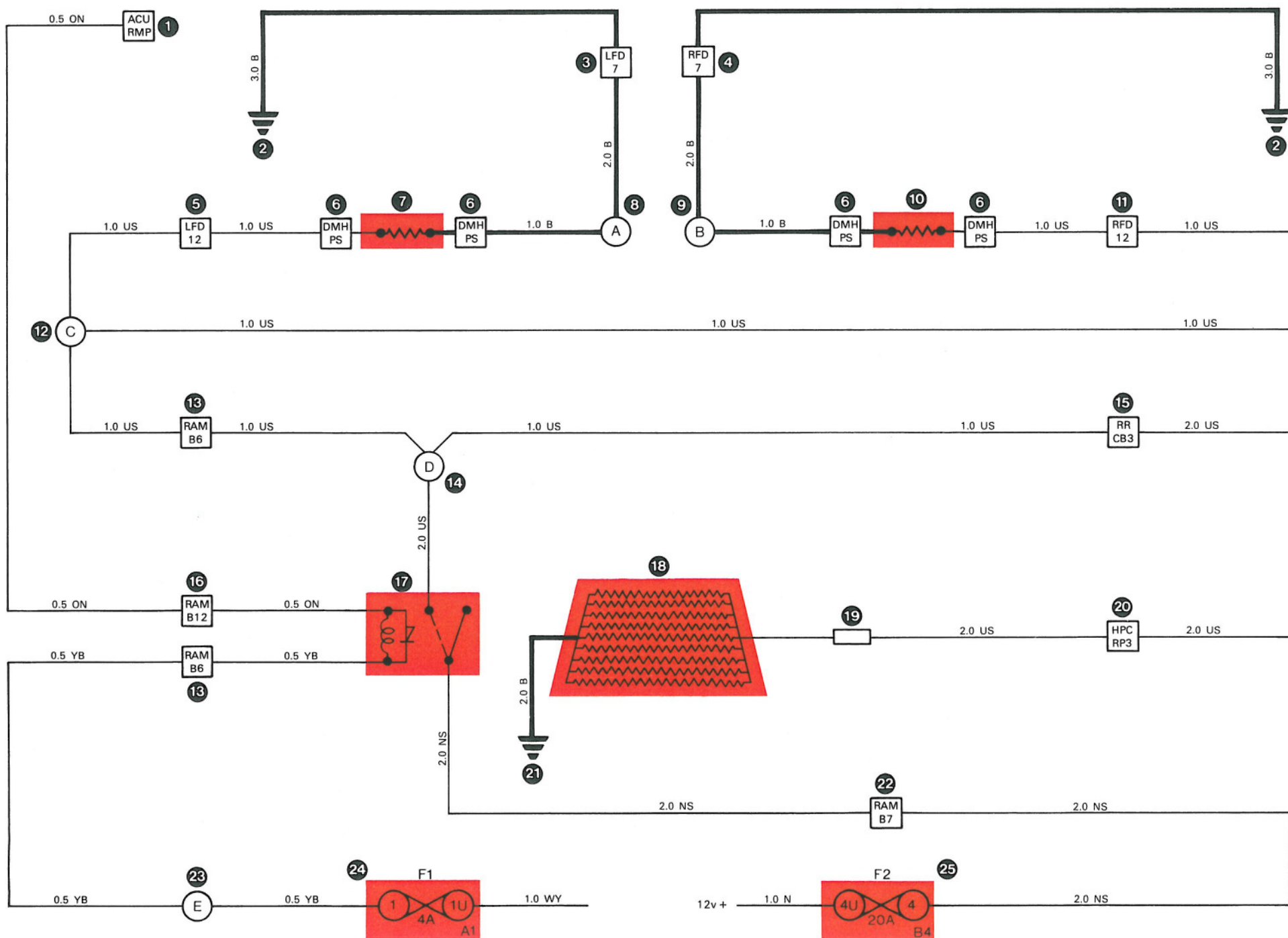
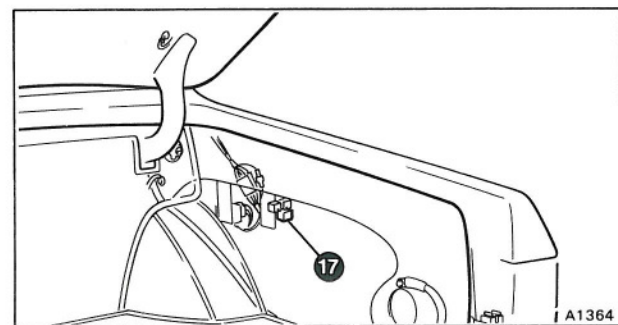
- 15 Right-hand rear cantrail to body loom plug and socket 3-way

- 16 Right-hand 'A' post main to body loom plug and socket 12-way
- 17 Rear window demister relay
- 18 Rear window demister
- 19 Barrel connector
- 20 Right-hand header panel to cantrail loom plug and socket 3-way
- 21 Rear window demister earth point
- 22 Right-hand 'A' post main to body loom plug and socket 7-way
- 23 Splice E
- 24 Fuseboard F1, fuse A1, 4 Amp (fuse only energized when engine is running)
- 25 Fuseboard F2, fuse B4, 20 Amp



It should be noted that operation of the rear window demister and the heated door mirrors, is dependent upon the selected positions of the air conditioning function switch and the position of the upper servo.

Therefore, when checking the operation of the rear window demister and the heated door mirrors reference must be made to page 16-5.





### Operation of the rear window demister and door mirror heaters

The rear window demister and door mirror heaters are controlled by the air conditioning system. Therefore, demisting will only occur when the engine is running.

The rear window demister and door mirror heaters operate simultaneously. Therefore, unless otherwise stated reference to the rear window demister in the following procedures also includes the door mirror heaters.

Demisting is not available when the air conditioning system function switch is in the OFF or ECON (economy) positions, nor when upper system airflow is being directed via the facia outlets.


**Note** Operation of the rear window demister also depends upon the battery being in a good state of charge and no excessive electrical loads being applied.

The rear window demister will always operate when the air conditioning function switch is in the  (defrost) position. With the switch in any position other than OFF, ECON, or  (defrost) the demister is dependent upon the following.

1. The engine coolant is at normal operating temperature [above 44°C (111°F)].
2. The ambient air temperature.
3. The upper temperature selector switch position and the position of the upper system blend flap.

For full operating details of the air conditioning system reference should be made to Workshop Manual TSD 4700 Chapter C.

### Rear window demister, engine running and air conditioning functions – To test

1. Observe all workshop safety precautions in addition to the special precautions detailed in Section 2.
2. Apply the parking brake.
3. Ensure that the gear range selector lever is in the park position.
4. Remove the gearchange isolating fuse (fuse A6) on the main fuseboard F2.
5. Start the engine.
6. Select  (defrost) at the air conditioning function switch and ensure that airflow is to the screen position.
7. Ensure that fuse B4 at main fuseboard F2 is intact.
8. Ensure that fuse A1 at main fuseboard F1 is intact.
9. Using a voltmeter test for a 12 volts positive supply on the white/yellow cable at connection 1U on fuse A1 at main fuseboard F2.

If there is no 12 volts positive supply the fault is on the engine running circuitry. Rectify the fault before continuing the test procedure.

10. Using the voltmeter test for a 12 volts positive supply on the yellow/black cable connection at the coil of the rear window demister relay.

If there is no 12 volts positive supply, there is an open circuit between the yellow/black cable connection at fuse A1 on main fuseboard F1 and the yellow/black cable connection at the rear window demister relay coil. Rectify the fault before continuing the test procedure.

The engine running function of the rear window demister circuitry is now correct.

11. Using a voltmeter, measure the voltage at the orange/brown cable at pin 1 of the air conditioning micro-processor right-hand 18-way plug.


If the voltage is more than 1.2 volts (or there is no voltage at all) the air conditioning system is faulty and must be rectified before continuing the test procedure. Refer to Workshop Manual TSD 4700 Chapter C.

12. Repeat Operation 11 with the air conditioning function switch in LOW, ECON (economy), AUTO and HIGH ensuring; that the upper temperature selector switch is set to hot (red segment exposed), the upper system blend flap is above 25 per cent of its travel from the full cold position, and airflow is to the screen position.

13. Switch off the engine.

14. Ensure the continuity of the orange/brown cable at pin 1 of the micro-processor right-hand 18-way plug to the orange/brown cable connection at the coil of the rear window demister relay.

The air conditioning function of the rear window demister circuitry is correct.

15. Select  (defrost) at the air conditioning function switch.

16. Remove fuse A6 at main fuseboard F2.

17. Disconnect the right-hand and left-hand 18-way plugs at the air conditioning micro-processor.

18. Apply a known earth to the orange/brown cable at pin 1 of the right-hand 18-way micro-processor plug. Always connect from the rear (cable entry side) of the plug (see fig.16-1)

19. Remove fuse A1 at main fuseboard F1.

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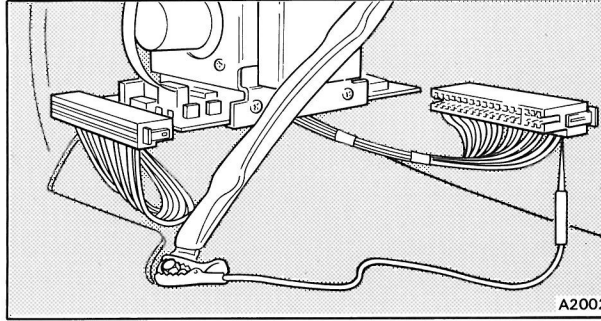
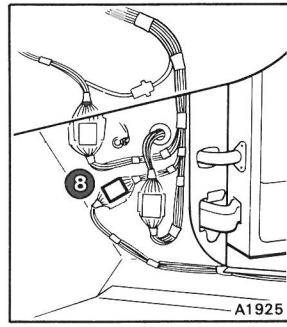
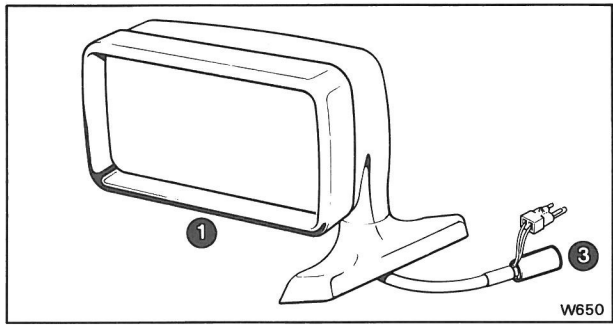
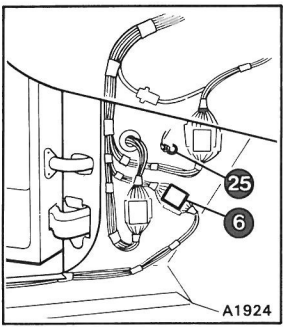
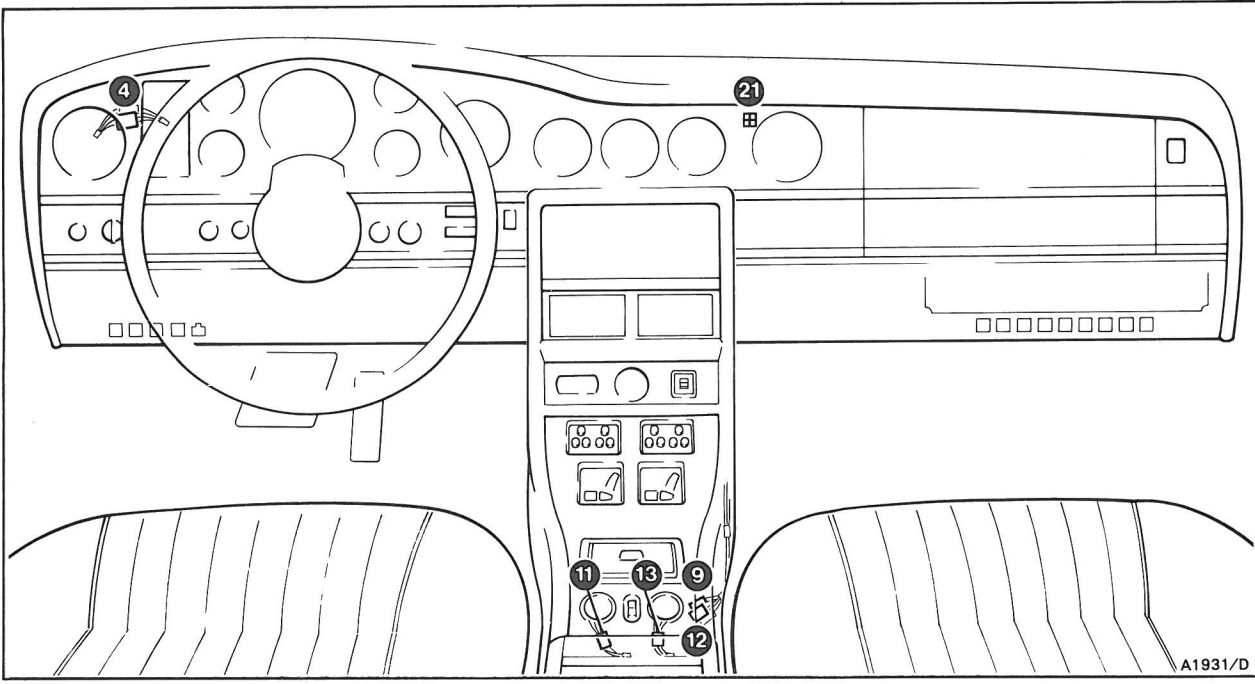


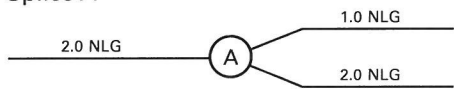
Fig. 16-1 Applying an earth to pin 1

20. Apply a known fused 12 volts positive supply to the yellow/black connection 1 of fuse A1.
21. Using a multi-meter and referring to the appropriate wiring diagram, carry out a complete test of the rear window demister and mirror heaters circuitry. Rectify any fault found.
22. Disconnect all test equipment and restore all plugs and sockets. Fit all fuses and ensure that the rear window demister and door mirror heaters are operating correctly.

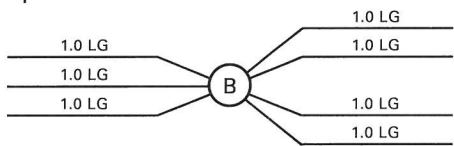


**Key to 16-7**

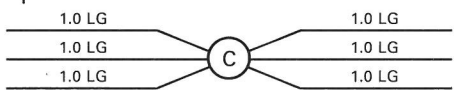
- 1 Left-hand door mirror
- 2 Right-hand door mirror
- 3 Door mirror plug and socket
- 4 Switchbox plug and socket 5-way
- 5 Splice A



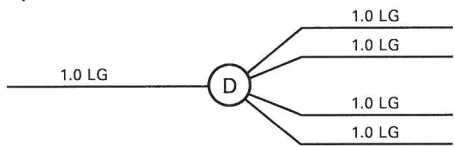
- 6 Left-hand door plug and socket 12-way
- 7 Fuseboard F2, fuse B1, 20 Amp
- 8 Right-hand door plug and socket 12-way
- 9 Centre console plug and socket 12-way
- 10 Splice B



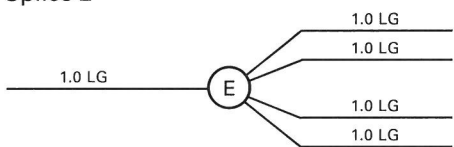
- 11 Left-hand mirror switch plug and socket
- 12 Centre console plug and socket 7-way
- 13 Right-hand mirror switch plug and socket
- 14 Splice C



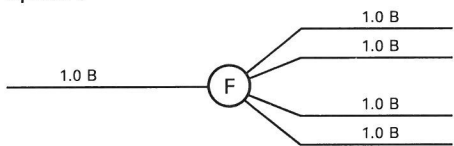
- 15 Left-hand mirror switch
- 16 Splice D



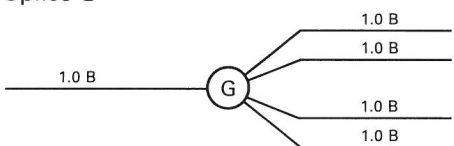
- 17 Splice E



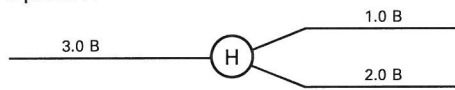
- 18 Right-hand mirror switch
- 19 Splice F



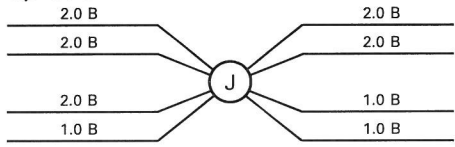
- 20 Splice G



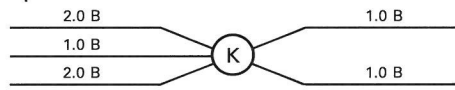
- 21 Instrument board earth point
- 22 Splice H



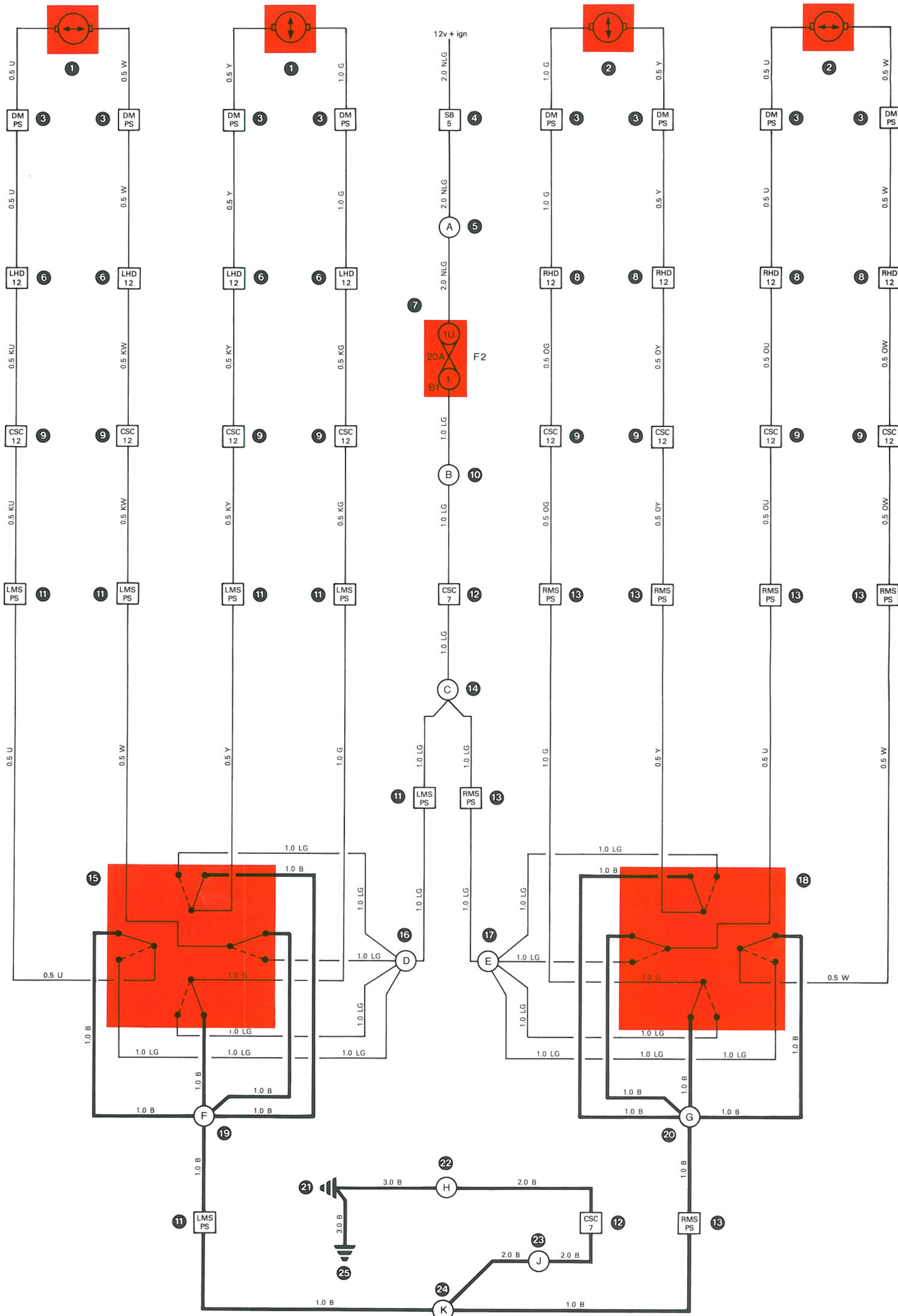
- 23 Splice J

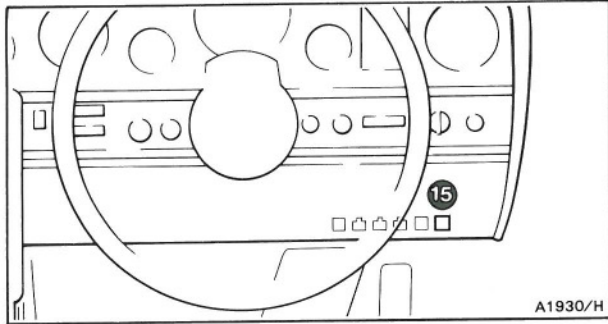


- 24 Splice K

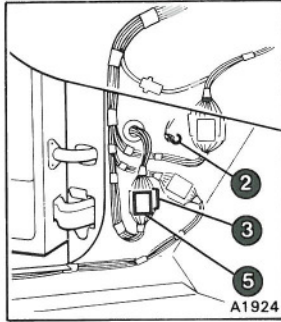
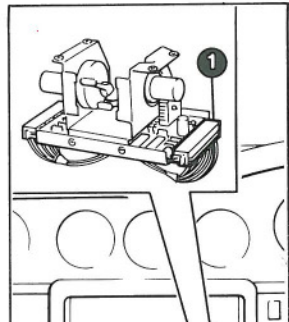


- 25 Left-hand 'A' post earth point

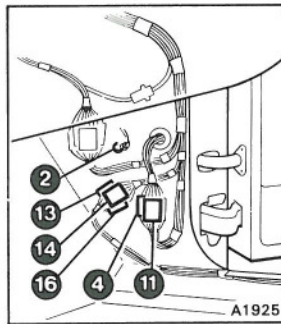
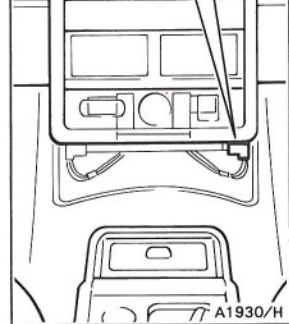




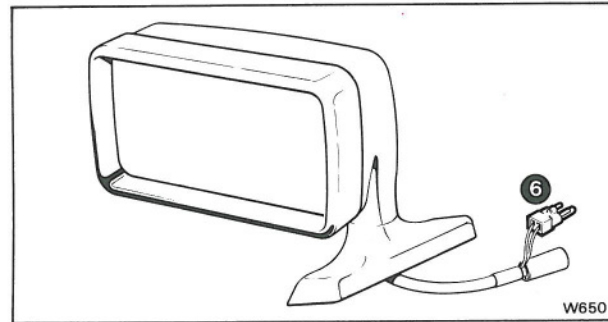
A1930/H



A1924



A1925



W650

### Key to 16-8

- 1 Automatic air conditioning unit microprocessor plug 18-way – right-hand
- 2 'A' post earth point
- 3 Left-hand door plug and socket 7-way
- 4 Right-hand door plug and socket 7-way
- 5 Left-hand door plug and socket 12-way
- 6 Door mirror heater plug and socket
- 7 Left-hand rear view door mirror heater
- 8 Splice A
 

2.0 B	1.0 B
1.0 B	2.0 B
1.0 B	2.0 B
- 9 Splice B
 

2.0 B	1.0 B
1.0 B	2.0 B
1.0 B	2.0 B
- 10 Right-hand rear view door mirror heater
- 11 Right-hand door plug and socket 12-way
- 12 Splice C
 

1.0 US	1.0 US
	1.0 US
- 13 Right-hand 'A' post main to body loom plug and socket 6-way
- 14 Right-hand 'A' post main to body loom plug and socket 12-way
- 15 Door mirror heaters relay
- 16 Right-hand 'A' post main to body loom plug and socket 7-way
- 17 Splice D
 

0.5 YB	0.5 YB
0.5 YB	0.5 YB
- 18 Fuseboard F1, fuse A1, 4 Amp
- 19 Fuseboard F2, fuse B4, 20 Amp

It should be noted that operation of the heated door mirrors, is dependent upon the selected positions of the air conditioning function switch and the position of the upper servo.

Therefore, when checking the operation of the heated door mirrors reference must be made to page 16-5.

