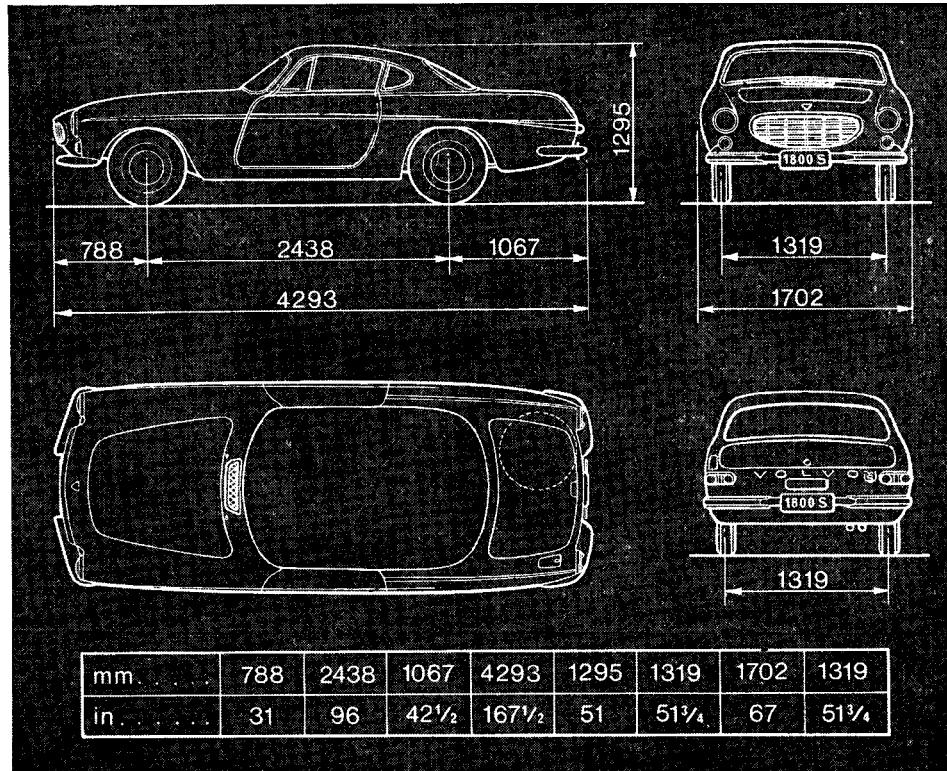


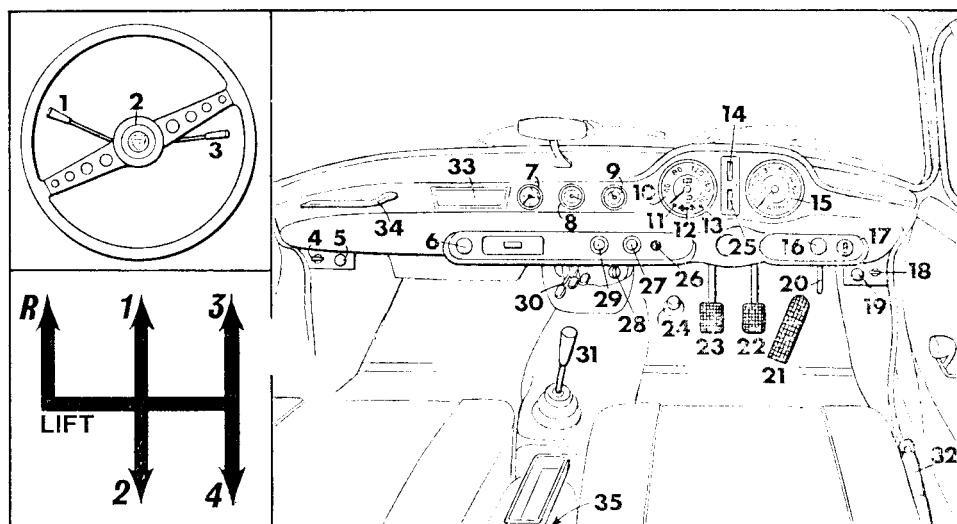
VOLVO 1800S

Manufacturers : AB Volvo, Gothenburg, Sweden

UK Concessionaires: Volvo Concessionaires, Ltd., P.O. Box 7, Tower Ramparts, Ipswich, Suffolk



Dimensioned views showing measurements in English and Metric equivalents



INSTRUMENTS, CONTROLS AND GEAR POSITIONS

- | | | |
|------------------------------------|-----------------------------|--|
| 1. Indicators and headlamp flasher | 13. Main beam warning light | 25. Oil temperature gauge |
| 2. Horn | 14. Water temperature gauge | 26. Overdrive warning light |
| 3. Overdrive selector lever | 15. Revolution counter | 27. Windscreen wipers and washers |
| 4. Map light | 16. Lighting switch | 28. Choke |
| 5. Ventilation control | 17. Ignition switch | 29. Fan control |
| 6. Cigar lighter | 18. Interior light switch | 30. Heater and ventilation controls |
| 7. Clock | 19. Ventilation control | 31. Gearlever |
| 8. Oil pressure gauge | 20. Bonnet release | 32. Handbrake |
| 9. Fuel gauge | 21. Accelerator | 33. Radio panel (remove for radio fitting) |
| 10. Speedometer | 22. Brake pedal | 34. Grab handle |
| 11. Ignition warning light | 23. Clutch pedal | 35. Seat belt anchorage |
| 12. Indicators warning light | 24. Dipswitch | |

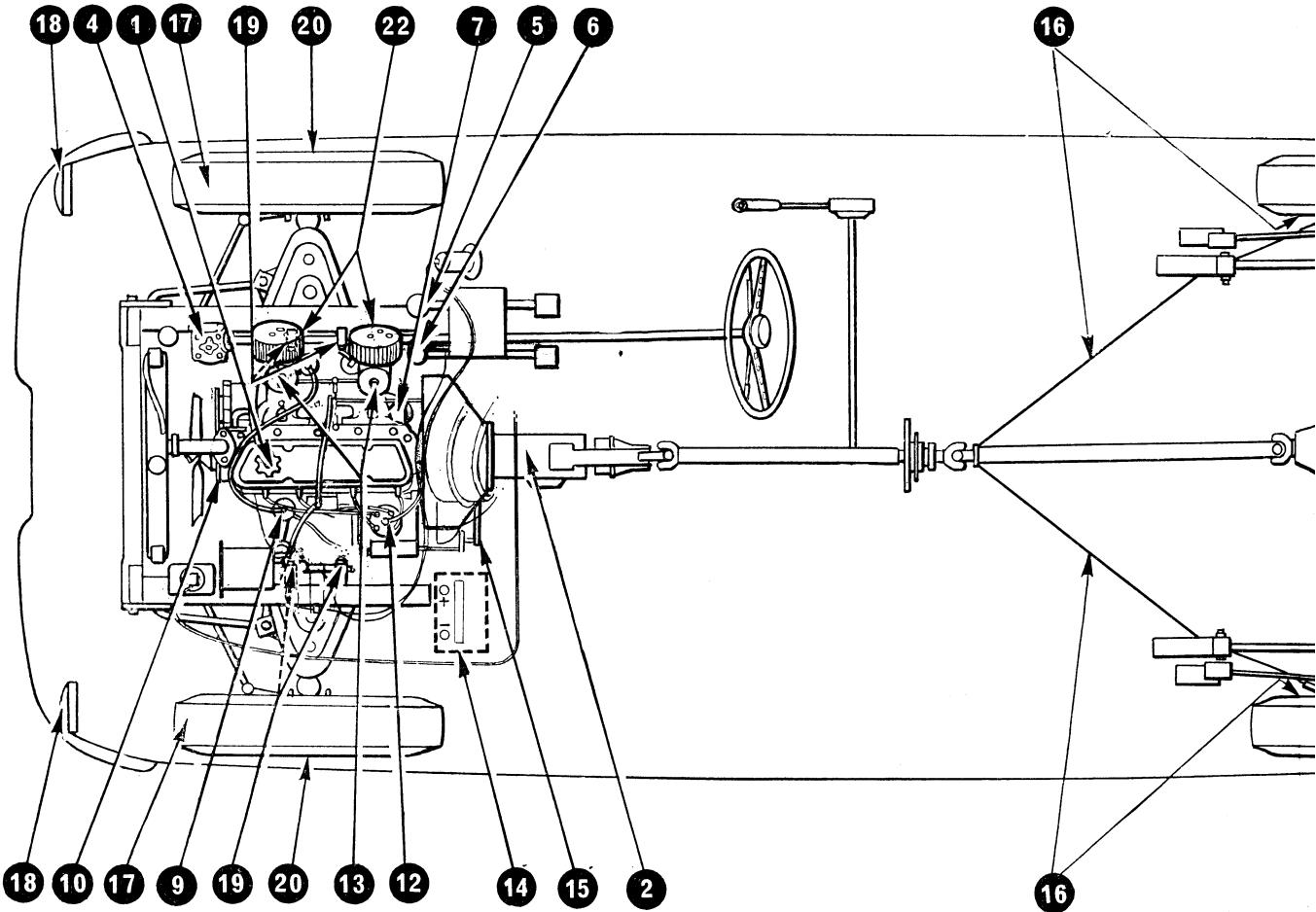
Inset shows siting of steering column controls and gearlever positions.

Major unit removal, brief notes:
Engine: may be removed with, or without gearbox.

Gearbox: may be taken out separately or parted from engine after complete engine/gearbox removal.

Clutch: access to clutch obtained after removal of engine or gearbox.

Brakes: Tool No. SVO 1791 is required to remove rear brake hubs.



GENERAL DATA	
Wheelbase	8ft 4in
Track: front and rear	4ft 3 1/2in
Turning circle	31ft 2in
Ground clearance	6 1/2in
Tyre size	165x15
Overall length	14ft 5 1/2in
Overall width	5ft 7in
Overall height	4ft 2 1/2in
Weight	2,670lb

REPLACEMENT DATA	
UNIT	PART No.
Engine water hoses: top	CH 19174
	CH 19175
bottom	CH 19174
	CH 19175
Heater hoses	
Fan belts	
Clutch plate	
Release bearing	
Brake pads: front	CH 6999
	CH 7000-12393
	CH 12394
Brake linings: rear	CH 12393
	CH 12394
Screenwiper blades:	275819-1
Battery type	275849-8
	275869-6
	275820-9
	275872-0
	665638-3
	Lucas
	BT29A

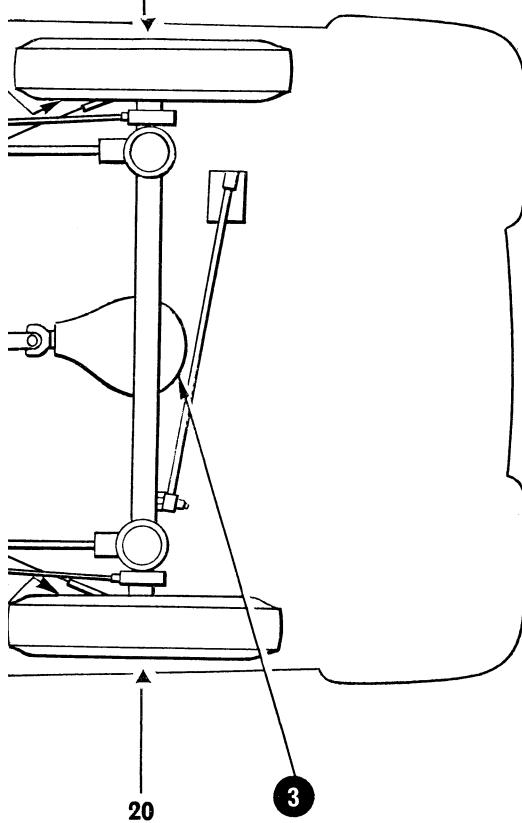
FILL-UP DATA	PINTS	LITRES
Engine sump	5 1/2	3.25
Gearbox & Overdrive	2 1/2	1.6
Rear axle	2 1/2	1.3
Cooling system	2 gals.	9
Fuel tank	10 gals	45
Tyre pressures: front	26psi	1.83Kg/cm ²
rear	28psi	1.97Kg/cm ²

BRAKES		
	Front	Rear
Type	Disc	drum
Diameter	10.86in	9in
Lining: length	—	8.66in
width	{new .5-.504in	2in
thickness	(recon .48in min)	3/8in
No. of rivets per shoe	—	10

SHOCK ABSORBERS	
Make	Gabriel or Delco telescopic replacement
FRONT END SERVICE DATA	
Caster	0 to +1°
Camber	0 to +1/2°
King pin inclination	8°
Toe-in	0 to 5/8in
No. of turns lock to lock	3 1/4
Adjustments: castor	shims
camber	screwed track rod ends
toe-in	

SPRINGS		
	Front	Rear
Type	coil	coil
Material thickness	.55-.563in	.441-.449in
Number of cells	8.7	10.7
Leading for spring	1062-1126 lbs.	—
length of 7 1/2 ins.	—	504-515 lbs.
Leading for spring		
length of 9 1/2 ins.		

TUNE-UP DATA	
Firing order	1-3-4-2
Tappet clearance: inlet	.020in
exhaust	.020in
Standard ignition timing	17-19° BTDC
Location of timing mark	pulley&pointer
Plugs: make	Bosch
type	W 225 T1
gap	.028-.032 in.
Carburettor: make	SU
(two) type	HS6 (twin)
Settings: choke	1 1/2in
main jet	.10 in.
needle size	TZ or ZH
idle speed	600-800 r.p.m.
Damper oil grade	SAE20 (not multigrade)
Air cleaner: type	paper element
Fuel pump: make	AC
type	diaphragm UG
pressure	1.5-2.5 psi



KEY TO MAINTENANCE DIAGRAM

EVERY 3,000 MILES

1. Engine oil—change
 2. †Gearbox
 3. †Rear axle
 4. Steering box
 5. Brake fluid level
 6. Clutch fluid level
- check and top up

EVERY 6,000 MILES

7. *†Engine oil filter element— renew
8. Valve rocker clearances—check
9. Fuel filter—clean
10. Fan belt—check tension
11. Sparking plugs—clean and reset
12. Distributor—oil shaft bearing, auto. advance mechanism, smear cam with grease, clean and reset contacts
13. Carburettors—check and top up dashpots, oil linkages, etc.
14. Battery—check and top up electrolyte
15. Clutch—check and adjust pedal free play
16. Brakes—check and adjust
17. Front wheel alignment—check and adjust
18. Headlamps alignment—check
19. Steering joints, etc.—check condition and security
20. Road wheel nuts—check and tighten

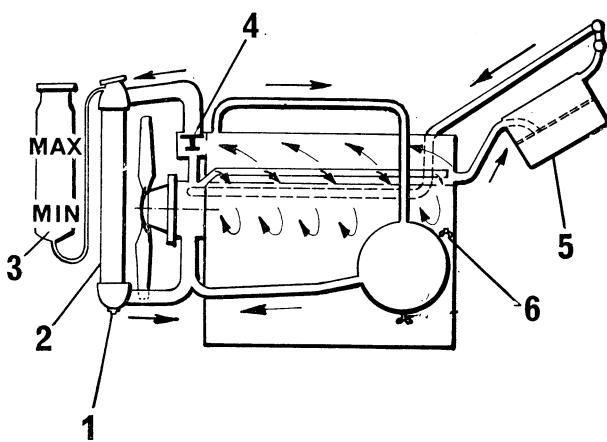
EVERY 12,000 MILES

21. Crankcase ventilation system—check and clean
 22. Air cleaner elements— renew
 - †23. Sparking plugs— renew
- *—Change filter after first 3,000 miles and at 6,000 miles thereafter
†—Change oil at first 3,000 miles only
††—Not shown on diagram

FIRST 1500 MILES SERVICE

(NB—The numbers on this list do NOT refer to diagram adjacent)

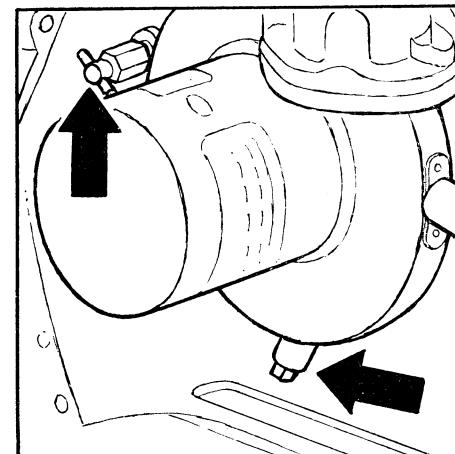
1. Engine oil—change
2. Gearbox
3. Rear axle
4. Steering box
5. Battery
6. Cooling system
7. Valve clearances
8. Fan belt
9. Idling setting
10. Carburettor synchronisation—check
11. Engine and cooling system—check for fluid leakages
12. Battery terminals—tighten and smear with vaseline
13. Horn, indicators, all lighting and screenwipers—check function
14. Dynamo and starter motor—check cable connections
15. Clutch and brake pedals } check and adjust
16. Hand and footbrake } adjust
17. Front wheel alignment }
18. Hydraulic pipes } check for leakage
19. Steering box
20. Tyres—check pressures and wear
21. Door locks, catches, hinges, pivots and winding handles, etc.—check and lubricate



Left: shows the sealed cooling system in diagrammatic form. The purpose of the expansion tank is to prevent air from circulating with the coolant, thus causing corrosion in the system. Extra volume for coolant expansion is provided for by the inclusion of an expansion tank in the circuit. Air in the upper tank of the radiator is gradually separated and conveyed to the expansion tank by alterations in volume which occur as the coolant temperature and engine speed vary.

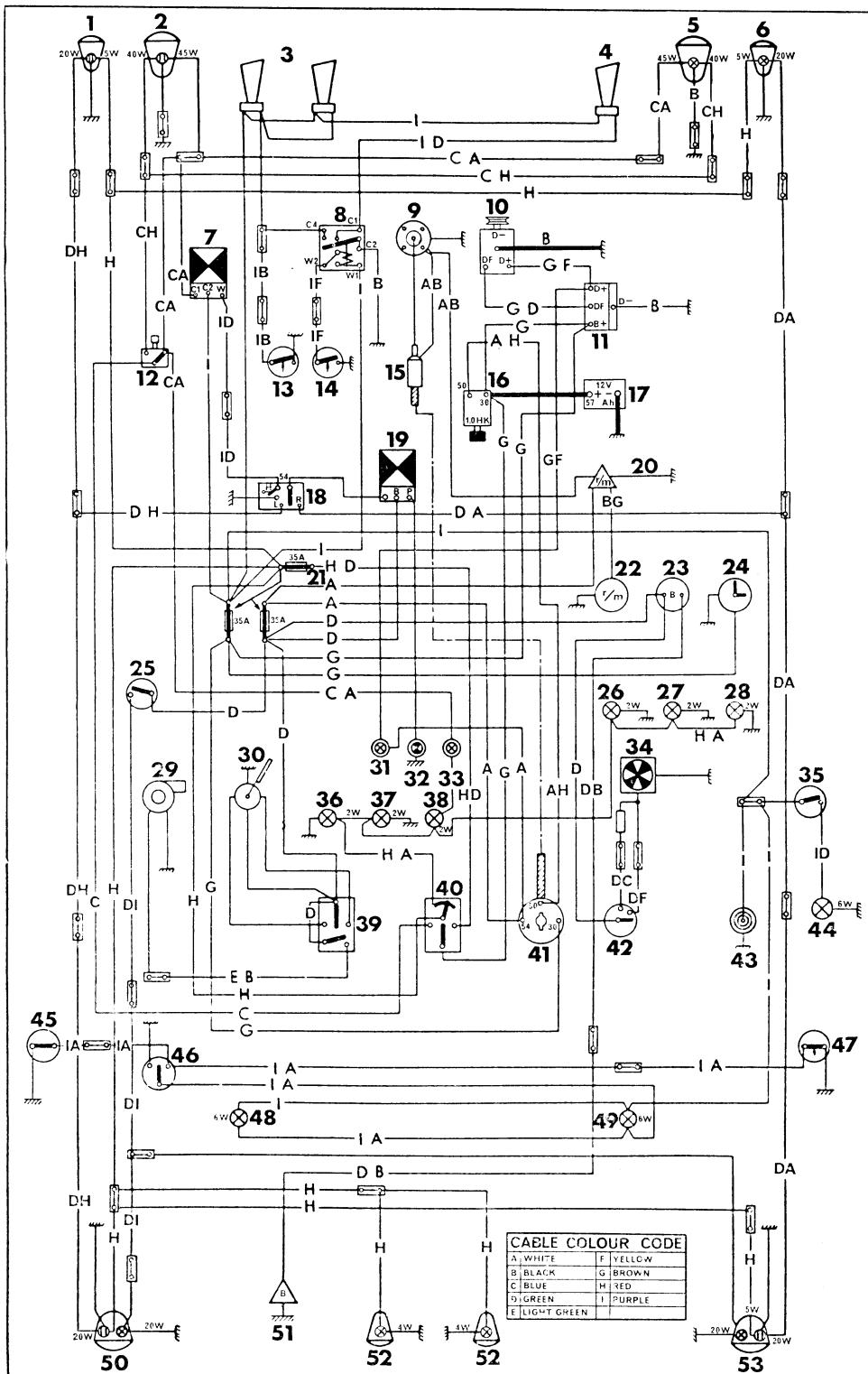
1. Drain plug
2. Radiator
3. Expansion tank
4. Thermostat
5. Heater
6. Drain cock

Right: shows the siting of the cylinder block draining point lower arrow denotes oil cooler drain point.



RECOMMENDED LUBRICANTS

	REGENT	ESSO	CASTROL	SHELL	B.P.	MOBIL
Engine: Summer and Winter	Havoline 20/20W or Havoline Special 10W/30	Esso Extra Motor Oil 20W/30	Castrelite	Shell X-100 20W or Shell X-100 Multigrade 10W/30	Energol SAE 20W or Energol Visco-Static	Mobiloil Special
Gearbox	Havoline 30	Esso Extra Motor Oil 20W/30	Castrol XL	Shell X-100 30	Energol SAE 30	Mobiloil A
Rear Axle and Steering box	Multigear Lub. EP 90	Esso Gear Oil GP 90	Castrol Hypey	Spirax 90EP	Energol SAE 90 EP	Mobilube GX90
Chassis Greasing	Marfak All Purpose 2	Esso Multi-purpose Grease H	Castrolease LM	Retinax A	Ene:grease L2	Mobilgrease Special or Mobilgrease MP

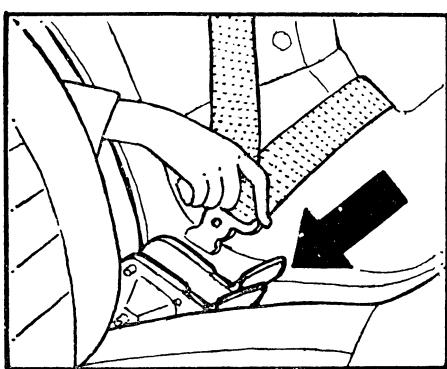


KEY TO WIRING DIAGRAM

1. Flasher and parking light, left
2. Headlight, left
3. Horn
4. Loud tone horn
5. Headlight, right
6. Flasher and parking light, right
7. Relay for headlight flasher
8. Horn relay
9. Distributor
10. Generator
11. Charging control
12. Foot dimmer switch
13. Horn button
14. Lever for loud tone horn
15. Ignition coil
16. Starter motor
17. Battery
18. Directional indicator switch
19. Flasher impulse unit, directional indicators
20. Revolution counter sender
21. Fuses
22. Revolution counter
23. Fuel gauge
24. Clock
25. Brake contact
26. Instrument lighting
27. Instrument lighting
28. Instrument lighting
29. Windshield washer
30. Windshield wipers
31. Warning lamp, charging
32. Warning lamp, directional indicators
33. Warning lamp, full headlights
34. Heater
35. Switch, map-reading light
36. Instrument lighting
37. Instrument lighting
38. Instrument lighting
39. Controls for windshield wipers and windshield washers
40. Lighting controls
41. Ignition switch
42. Heater controls
43. Cigarette lighter
44. Map-reading light
45. Door contact
46. Switch for roof light
47. Door contact
48. Roof light
49. Roof light
50. Rear light, left
51. Fuel gauge sender
52. Number plate lighting
53. Rear light, right

The electrical equipment is protected by means of three 35A fuses, located in fuseboxes on the left-hand wheel arch

LAMP BULBS		
	Voltage	Wattage
Headlamps	12	45/40
No. plate	12	6
Rear lights/flashers	12	20/5
Stop lights	12	20
Instrument lighting	12	2.4
Flashers and parking lights	12	20/5
Map-reading light	12	6
Roof light	12	5
Control light (directional flashers)	12	2.4
Control light (headlamps)	12	2.4
Control light (charging)	12	2.4
Control light (overdrive)	12	2.4



Left: shows the correct method of attaching the safety belt clip. Right: shows the method of adjusting the front seats. Handle (1) when moved sideways to centre of car releases lever lock. Knurled knob (2) adjusts inclination of seat backrest and vertical adjustment is achieved using bolts and nuts (3) on the slide rails. Slacken upper nuts and set lower nuts to give desired seat position. Screws either side of backrest frame provide adjustment for lumbar support

