

Scimitar Sabre Owners Handbook



www.sporting-reliants.com



Owner's
Handbook



Scimitar SABRE

www.sporting-reliants.com

Contents

CONTENTS

Introduction	2
Instruments and controls	8
Starting and driving	22
Emergency procedure	24
Routine care and maintenance	27
General information	39
Technical specification data	40
Index	42

A copy of the owners handbook is provided with each new vehicle.

Additional copies are available from your dealer.

The descriptions and illustrations appearing in this Owners Handbook are applicable to those vehicles being manufactured at the time of writing. The manufacturer therefore reserves the right, whilst retaining the basic features of the model, to make at any time and without amendment to this book, any alterations to units, parts or accessories deemed convenient for improvement or commercial reasons.

RELIANT MOTORS LIMITED

Two Gates, Tamworth,
Staffordshire,
England,
B77 1HN.

Telephone :- 0827 260019

Fax :- 0827 260254

Scimitar Sabre Introduction

This drivers handbook is designed with the same care as your Scimitar Sabre. It provides information on the care and attention necessary to maintain the performance and reliability that we have designed into the car.

The first section of this handbook provides the necessary information on the car, identifying and telling you how to operate the controls, switches and equipment.

The second section provides a guide to the maintenance requirements of the car.

When it becomes necessary to carry out maintenance work that is not outlined in this handbook then advice from your Scimitar Sabre dealer should be sought.



PRE-DELIVERY INSPECTION

The pre-delivery inspection, carried out by the dealer supplying your car, ensures that your Scimitar Sabre reaches you in the best possible condition. Continued efficiency and economy depends entirely on the care and attention to the regular maintenance that your car receives.

AFTER SALE SERVICE

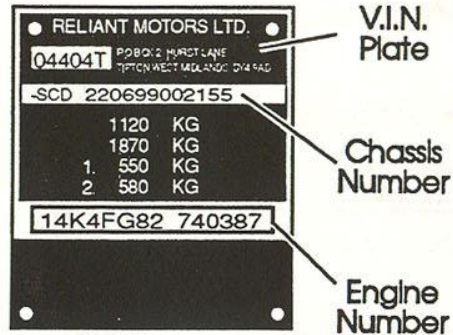
The 'Key to Service' booklet supplied with your car details the after sales service that is to be undertaken by your Scimitar Sabre dealer.

Your Scimitar Sabre dealer is authorised to provide this service at 1000 miles (1500 km) or after one months use.

WARRANTY

The terms of warranty are included in the 'Key to Service' booklet. Owners must appreciate that all warranty work must be undertaken by an authorised Scimitar Sabre agent. The warranty does not apply to defects arising from components that have not received the essential scheduled maintenance detailed in this handbook. Other matters that affect claims made under warranty are clearly stated in the 'Key to Service' booklet.

Scimitar Sabre Introduction



IDENTIFICATION

The plate carrying the vehicle identification number, (V.I.N.), is to be found in the engine compartment fixed to the top of the right hand wheel arch. The V.I.N. plate shows both the chassis number and the number of the engine unit fitted to the vehicle when new.

The chassis number can also be found stamped onto the chassis frame, on top of the right hand front suspension turret, while the engine number is stamped onto the left hand top face of the crankshaft main bearing ladder.

RELIANT SPARE PARTS.

Care should be taken to ensure that only genuine RELIANT Parts are used in the maintenance of your Scimitar Sabre. RELIANT parts are stocked or are quickly available through all authorised Scimitar Sabre Dealers, these parts are subject to the same vigorous quality control standards as those components used in original manufacture. RELIANT spare parts have the factory backed Assurance of Quality

Spare parts are distributed nationally through the 'UNIPART' organisation.

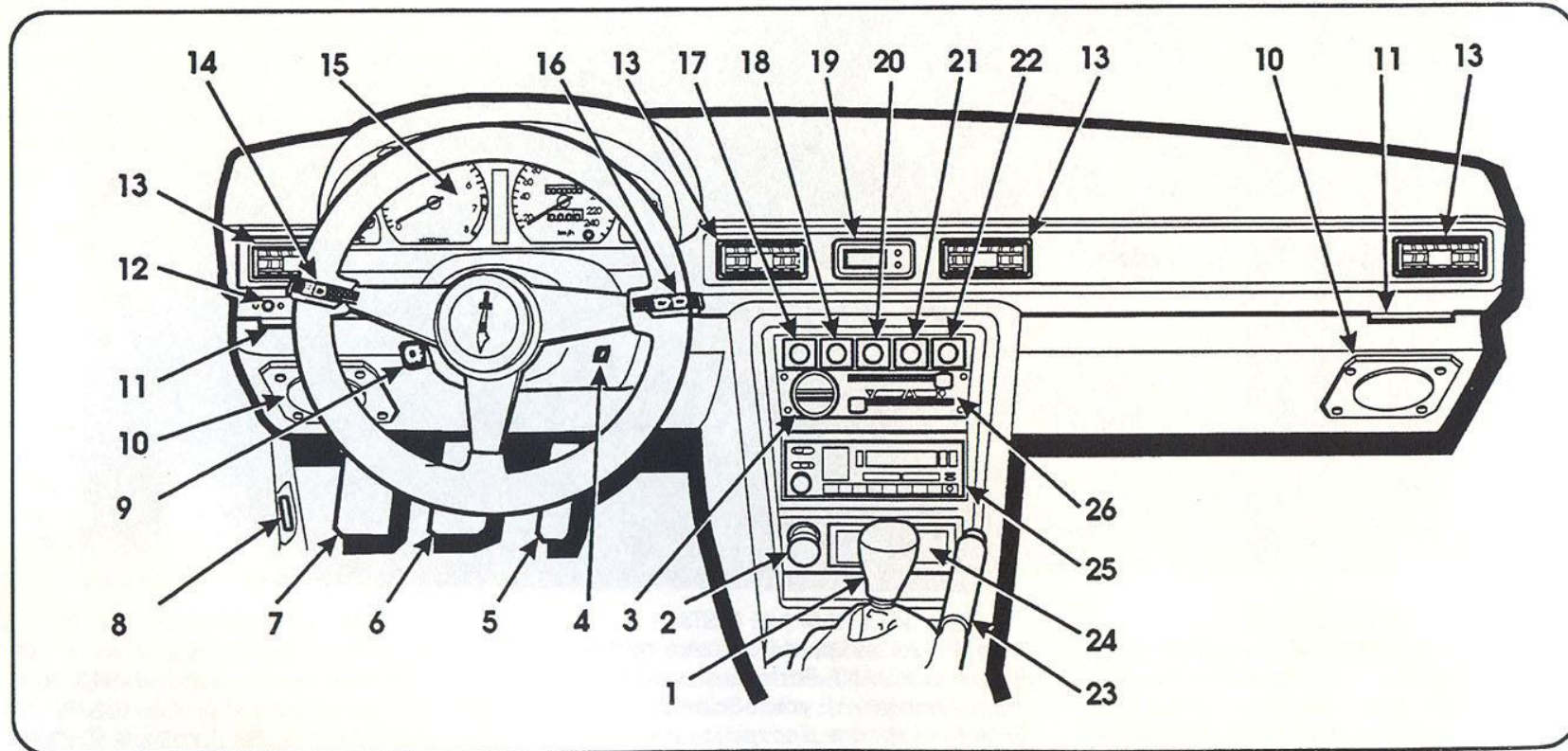
For Customer Services :- Tel 0865 383094

YOUR SCIMITAR SABRE DEALER

If it becomes necessary to carry out maintenance or service work not detailed in this Owners Handbook, then this work should always be carried out by an authorised Scimitar Sabre Dealer.

Authorised Dealers are constantly being advised of the latest technical developments, methods of repair and replacement and are therefore best able to provide efficient service, advice or information.

Controls - LeftHand Drive Models

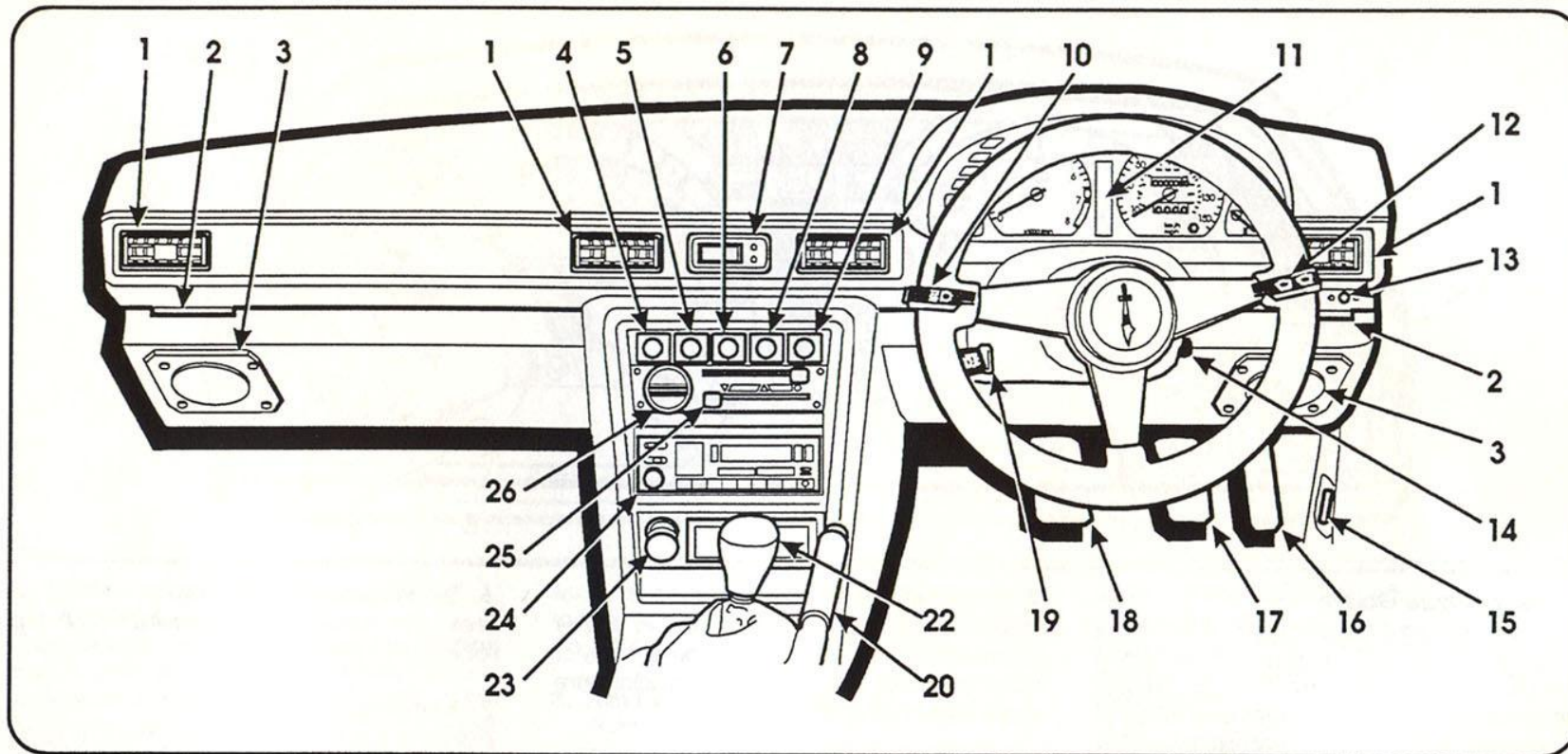


- 1 Gear lever
- 2 Cigar lighter
- 3 Heater fan control
- 4 Ignition switch
- 5 Accelerator pedal
- 6 Brake pedal
- 7 Clutch pedal
- 8 Bonnet release lever
- 9 Main headlamp switch

- 10 Radio speaker
- 11 Interior lamp
- 12 Headlamp 'trip' fuse
- 13 Fresh air vent
- 14 Multi-switch, lights / horn
- 15 Main instrument panel
- 16 Windscreen wash / wipe
- 17 Front fog lamp switch
- 18 Rear fog lamp switch

- 19 Digital clock
- 20 Hazard lamp switch
- 21 Rear screen switch
- 22 Spare switch
- 23 Handbrake lever
- 24 Ashtray
- 25 Radio cassette
- 26 Heater controls

Controls - Right Hand Drive Models

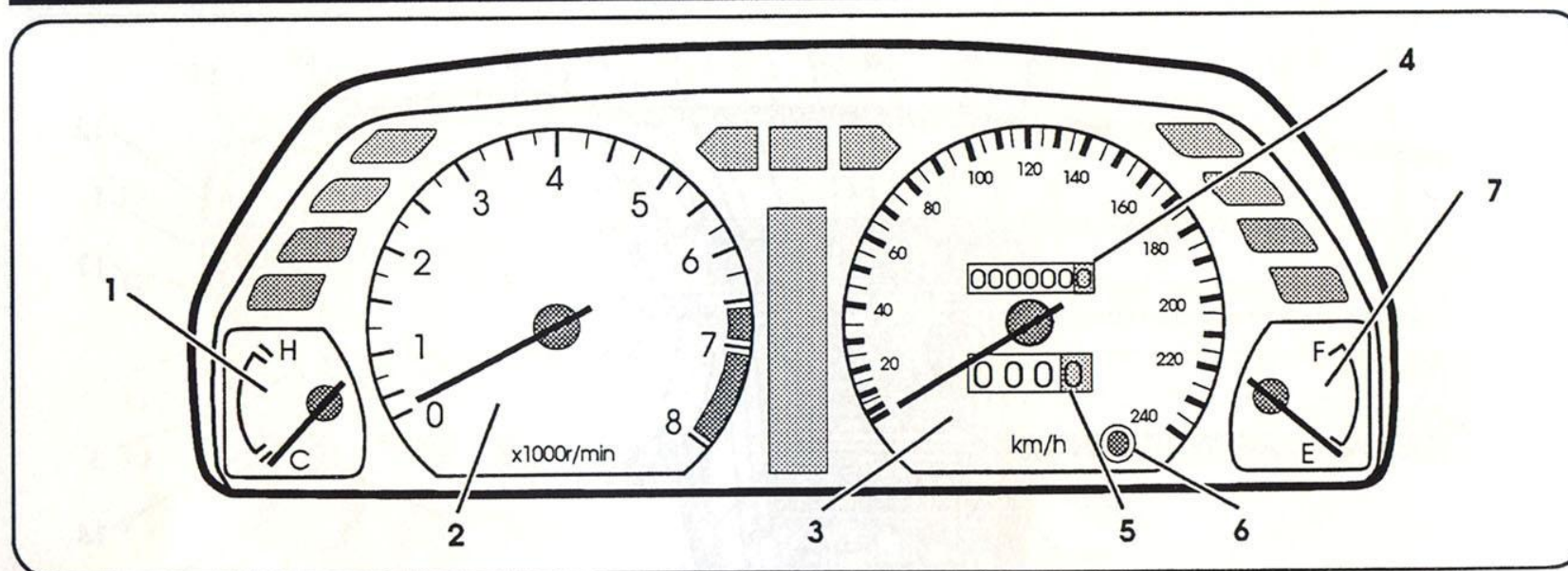


- 1 Fresh air vent
- 2 Interior lamp
- 3 Radio speaker
- 4 Spare switch
- 5 Rear screen switch
- 6 Hazard lamp switch
- 7 Digital clock
- 8 Rear Fog lamp
- 9 Front fog lamp

- 10 Multi-switch, lights / horn
- 11 Main instrument panel
- 12 Windscreen wash - wipe
- 13 Headlamp 'trip' fuse
- 14 Ignition switch
- 15 Bonnet release lever
- 16 Accelerator pedal
- 17 Brake pedal
- 18 Clutch pedal

- 19 Main headlamp switch
- 20 Handbrake lever
- 21 Gear lever
- 22 Ashtray
- 23 Cigar lighter
- 24 Radio cassette
- 25 Heater control
- 26 Heater fan control

Instrument Panel - Gauges



1. Temperature Gauge

Indicates coolant temperature. Once the engine is at its normal operating temperature, the pointer should always remain between the 'C' (cold) and 'H' (hot) segments. If the pointer enters the 'HOT' segment, stop the engine and if necessary seek qualified assistance.

2. Tachometer

Indicates engine speed in revolutions per minute. **NEVER** allow the tachometer pointer to enter the RED sector

3. Speedometer

Indicates vehicle road speed in either kilometers per hour (left hand drive cars) or miles per hour with a secondary kilometre scale (right hand drive cars).

4. Total Distance Recorder.

Indicates the total distance travelled by the car from new.

5. Trip recorder.

Used to record individual journey distances.

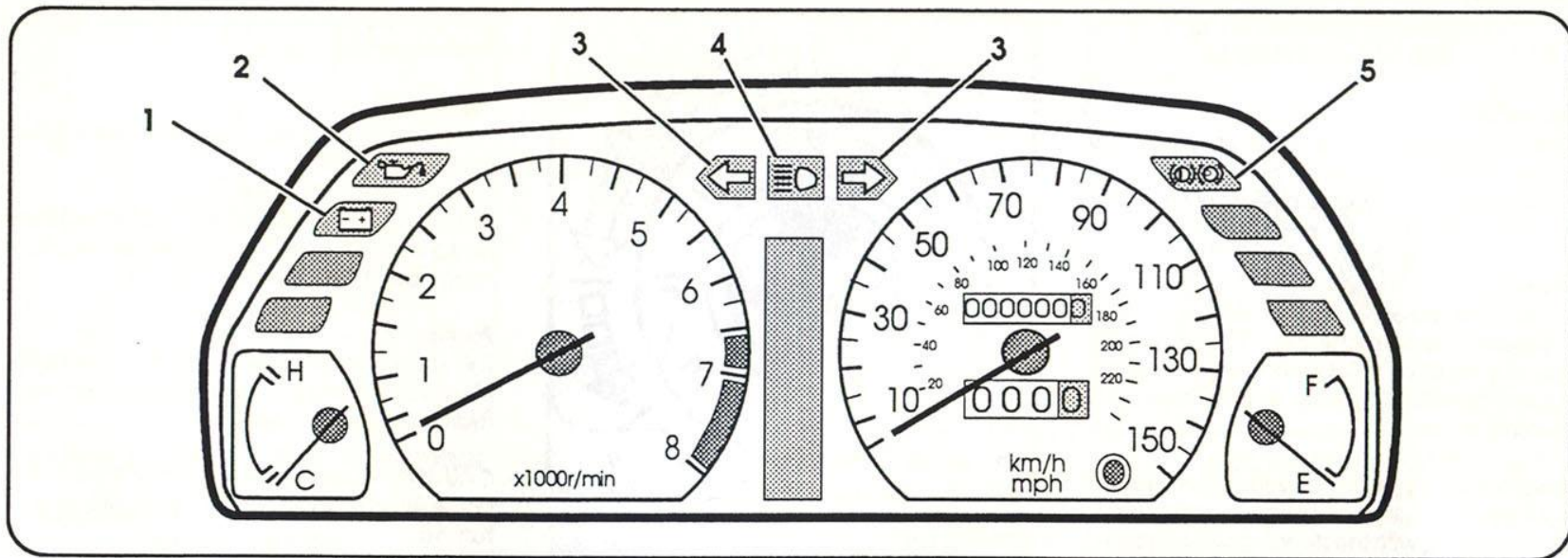
6. Trip recorder Reset Button.

Press the reset button to return the trip recorder to zero.

7. Fuel Gauge.

Indicates the amount of fuel in the fuel tank. Refuel the tank when the pointer falls into the red (empty) segment.

Instrument Panel - Warning Lamps



1. Ignition / Battery Charging Warning Lamp.

This warning lamp illuminates as the ignition key switch is turned to position '2' and extinguishes when the engine starts. If the lamp remains illuminated, or illuminates whilst driving, then a fault such as a slack or broken alternator drive belt is indicated. Stop the engine as soon as practicable and, if necessary, seek qualified assistance.

2. Oil Pressure Warning Lamp.

This warning lamp illuminates as the ignition key switch is turned to position '2' and extinguishes when the engine starts. If this lamp illuminates whilst driving then a serious

fault, such as insufficient engine oil, is indicated. Stop the engine and, if necessary, seek qualified assistance.

3. Turn Indicator and Hazard Warning Lamps.

These lamps are activated from either the left or right direction indicator control, the warning lamp will flash on the same side as the direction indicator lamps on the car. These lamps are also activated by the hazard warning indicator showing that all indicator lamps are operating.

4. Headlamp Main Beam Warning Lamp

This lamp is activated from the headlamp switch indicating that the headlamps are on main beam.

5. Handbrake and Brake Fluid Warning lamp

This warning lamp illuminates as the ignition key switch is turned to position '2' and indicates either handbrake activation or the lack of brake fluid in the brake master cylinder reservoir. If this lamp illuminates whilst driving, a serious fault with the handbrake or brake fluid is indicated. Stop the car and, if necessary, seek qualified assistance.

Instruments and Controls

SWITCHES, STEERING LOCK AND IGNITION SWITCH.

Important

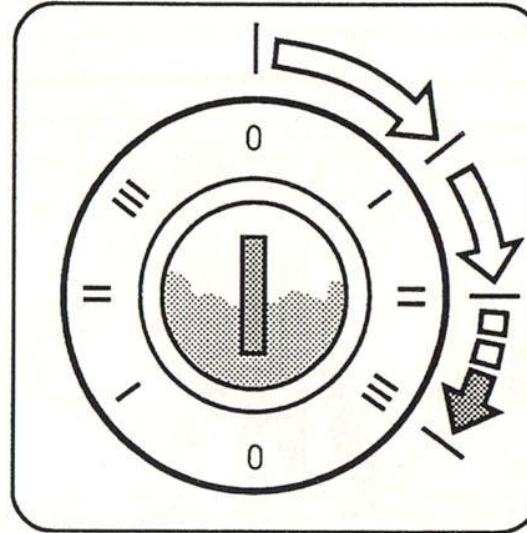
The activation of the auxiliary electrical circuits, ignition and starter motor are controlled by the combined steering lock / starter switch.

Warning

Once the steering lock is engaged it is impossible to steer the car. For this reason the key must NEVER be removed from the lock or turned to position '0' whilst the car is in motion.

Ensure that the steering lock is disengaged before the handbrake is released. Manoeuvring with the steering lock engaged is impossible.

Free wheeling with the engine running or disengaged is not recommended.



Steering Lock

To unlock the steering, insert the key fully into the lock and turn to position 'I', slight movement of the steering wheel will assist in disengaging the lock. To lock the steering; turn the key to position '0', withdraw the key and turn the steering wheel slightly until the lock engages.

The combined steering lock and ignition switch has four positions :-

Position '0'

The steering is locked. The auxiliary electrical circuits are 'OFF'.

Note:- that the hazard warning lamps, horn, headlamp lift motor and interior courtesy lamps can be operated.

Position 'I'

The steering is unlocked and the circuits for electric windows, clock illumination and radio cassette are now open.

CAUTION :- Damage may occur if the key is not fully engaged in the lock before it is turned.

Position 'II'

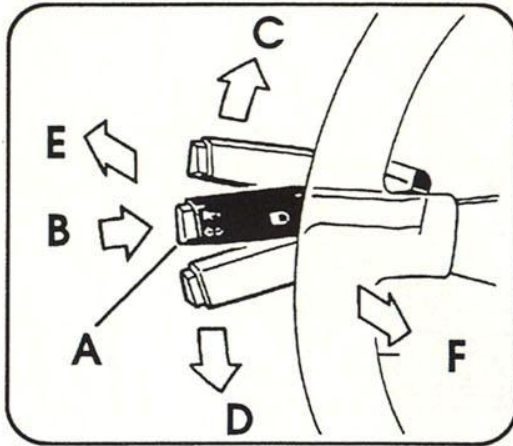
The ignition circuits are activated, the instrument panel gauges and warning lamps all register as appropriate. All electrical circuits can be operated.

CAUTION :- Do not leave the ignition circuits switch on without the engine running as the battery will become discharged.

Position 'III'

The starter motor is operated; the key will return to position 'II' when released.

Instruments and Controls



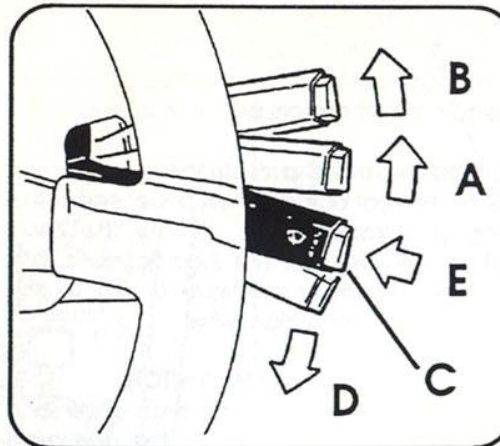
COMBINED DIRECTION INDICATOR SWITCH, DIPSWITCH, HEADLAMP/AUXILIARY LAMP FLASHER AND HORN PUSH.

The switch performs the following functions with the ignition switched on.

- A. Dipped headlamps switch in central position.
- B. Horn.
- C. Right turn indicator.
- D. Left turn indicator.
- E. Main beam.
- F. Headlamp/auxiliary lamp flash.

Note:- L.H. Drive cars only

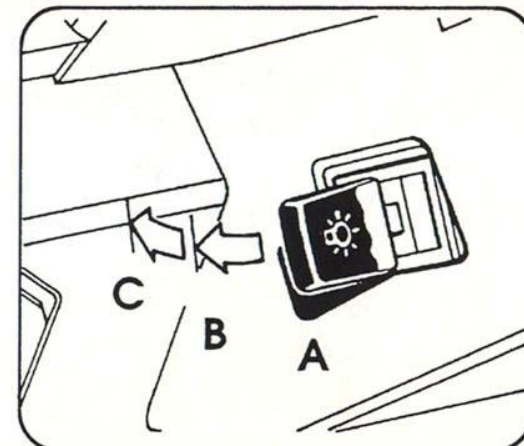
When the headlamps are in the lowered position the flash facility operates through the auxiliary driving lamps. When the headlamps are in the raised position the flash facility operates through the headlamps.



WINDSCREEN WASH/WIPE SWITCH

The windscreen wiper switch has five positions and is only operative with ignition switched on.

- A. Normal wiper speed.
- B. Fast wiper speed.
- C. Wipers off as shown.
- D. Intermittent wipe - pull down and release for intermittent wipe. Repeat to turn wipers off.
- E. Windscreen washers - keep button depressed for prolonged washer operation.



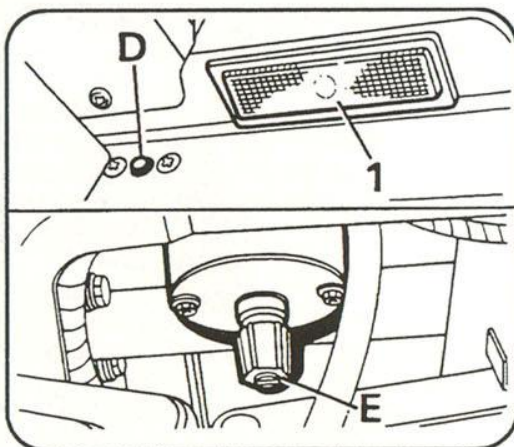
MAIN LIGHT/HEADLAMP LIFT MOTOR SWITCH

The main light switch has three positions

- A. All lamps off.
- B. Side and tail lamps on.
- C. Headlamp lift motor operates, side and headlamps on, when ignition is switched on.

Note:- The headlamps will automatically returned to the lowered position when the ignition is switched off.

Instruments and Controls



HEADLAMP LIFT MOTOR OVERLOAD SWITCH

Note:- In winter months it is important that the area around the headlamps is cleared of heavy snow etc., before raising the headlamps, to prevent overloading the lift motor.

However, if this condition does occur a thermal overload relay will automatically cut off the electrical supply to the lift motors. To restore the electrical supply, first return headlamp switch to the 'off' position, clear the area around the headlamps (1) and then press the overload switch, (D) located adjacent to the driver's interior lamp.

HEADLAMP LIFT MOTOR MANUAL CONTROL

A manual control facility is fitted, should the headlamp lift motors become inoperative.

To raise a headlamp rotate the knurled knob, (E) at the rear of the lift motor located in the engine compartment. Rotate the knob anti-clockwise until the headlamp is fully raised. To lower continue to rotate the knurled knob anti-clockwise.

INTERIOR LAMP SWITCH

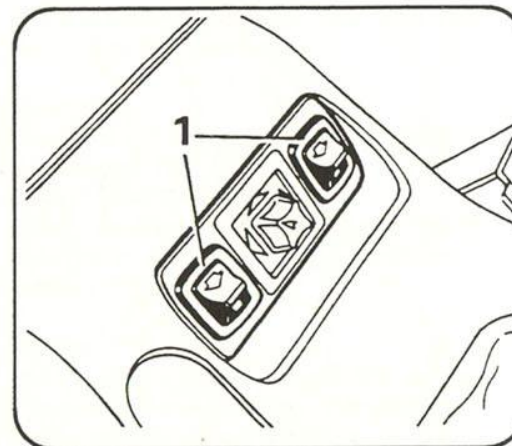
Interior lamps are fitted for both driver and passenger convenience, on the underside of the fascia by the door openings. In the off position the lamps are operated by the courtesy light switches fitted to both doors.

To switch an interior lamp on and off when the doors are closed operate as follows:-

- A. Push front of lamp lens up to switch on.
- B. Push rear of lamp lens up to switch off.

CENTRE CONSOLE SWITCHES

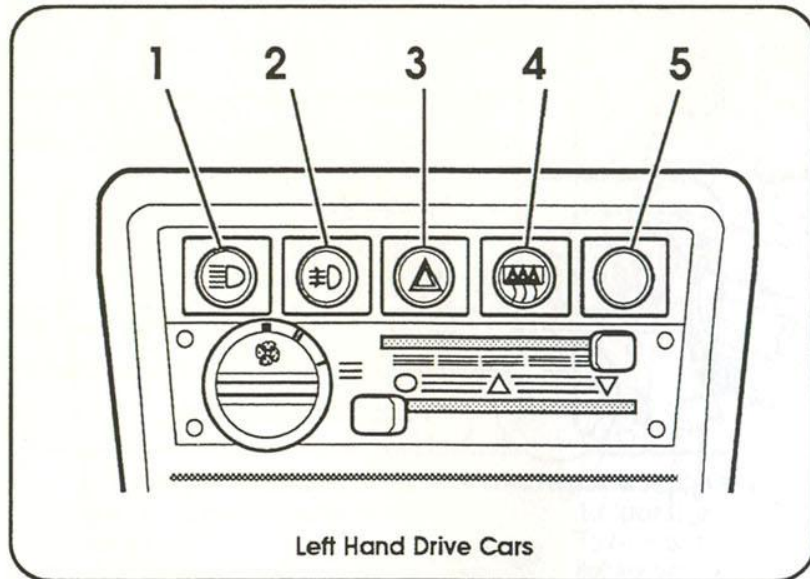
Five push-on, push-off switches are located across the centre console. These switches, illuminated when the controlled equipment is in use, operate the following functions on both Left and Right hand drive cars.



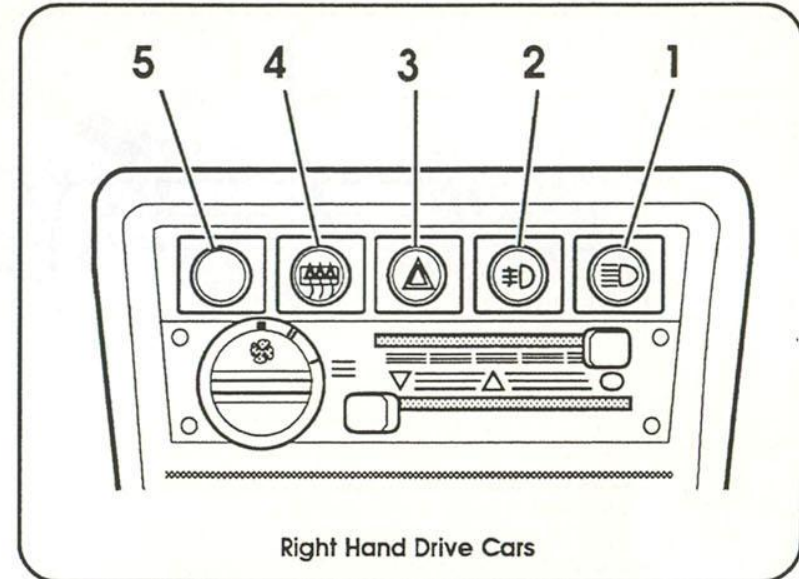
ELECTRICALLY OPERATED WINDOW SWITCH (WERE FITTED)

Two rocker switches on the front face of the trinket tray/glove compartment, control the driver's and passenger's door window. Depress the appropriate switch and hold until window glass reaches the required position. Press switch up to raise the window glass. These switches operate when the ignition key switch is in position 'I'

WARNING:- Before closing any of the windows take care that the occupants of the vehicle are well clear of them and there is no obstruction to their smooth operation. On leaving the vehicle always remove the ignition key in order to prevent the power windows being operated.



Left Hand Drive Cars



Right Hand Drive Cars

1. Driving Lamp Switch

This switch (1) operates the auxiliary driving lamps. These driving lamps can only be operated when the head lamps, in the main beam position, are being used.

2. Rear Fog Guard Lamp Switch

Press the switch (2) to illuminate the rear fog guard lamps. The fog guard lamps should only be used in seriously reduced visibility and only when the main lights are 'on'.

3. Hazard Warning Switch

Press the switch (3) to make all direction indicators 'flash' together as hazard warning lights. When operating, the switch and the direction indicator warning lamps will flash simultaneously.

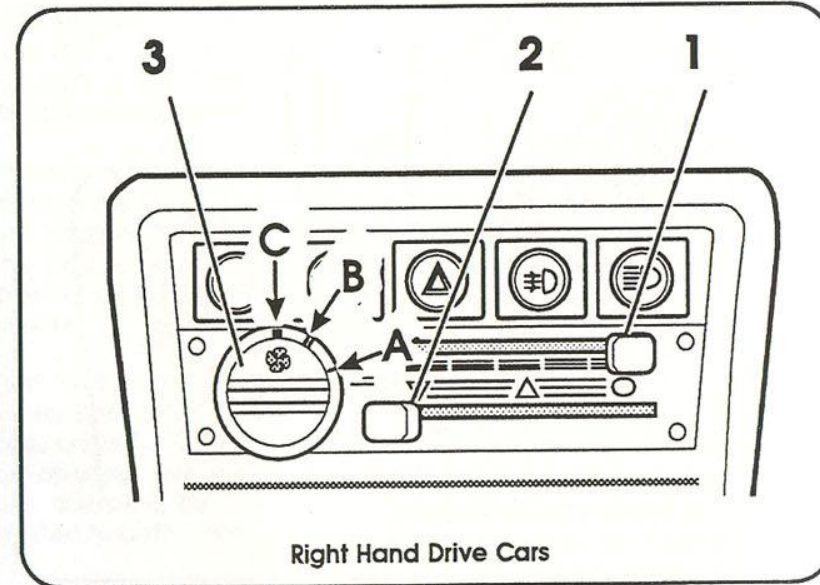
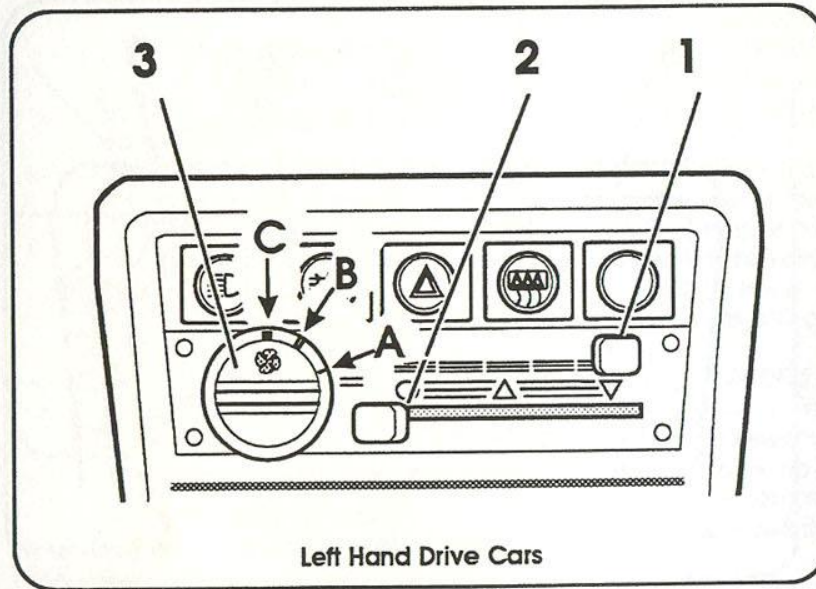
4. Heated Rear Screen Switch

Press this switch (4) to operate the heated rear screen, fitted only to the optional hard top. Do not use the heated rear screen for longer periods than necessary.

5. Spare Switch Position

This switch (5) may be used for optional equipment.

Instruments and Controls



HEATING AND VENTILATION

The heating and ventilation system delivers fresh air to the windscreen for demisting and to the car interior, or a proportion of both at any temperature between hot and cold according to the setting of the controls. Warm or hot air is available once the engine has reached normal operating temperature. The amount and direction of air entering the car interior from the fascia vents may be controlled by individual adjustment to the fascia vent control. The air flow can be boosted by the variable three speed blower control.

1. Temperature Control Lever

The temperature control lever (1) controls the temperature of the air from the heater unit.

Left Hand Drive Cars.

Move the lever (1) to the left to reduce the heat and to the right to increase the heat.

Right Hand Drive Cars.

Move the lever (1) to the right to reduce the heat and to the left to increase the heat.

The lever may also be set at any intermediate position to vary the temperature as required.

2. Air Distribution Lever

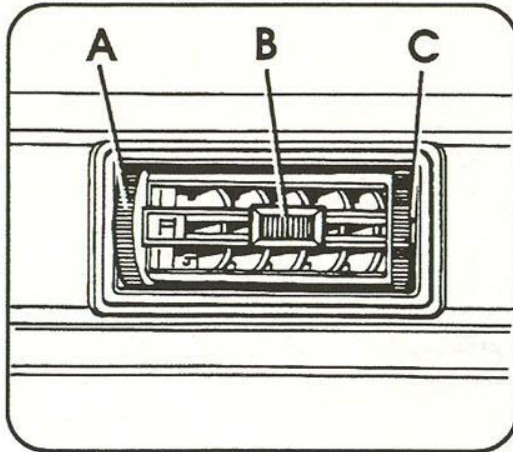
The air distribution lever controls the direction of air flow.

- A. At position Δ , air is directed to the windscreen through the demister vents.
- B. At position ∇ , air is directed to the footwell through the footwell vents.
- C. At position \circ , the windscreen and footwell vents are closed.

3. Heater Blower Control

To increase the air flow turn the rotary blower control, clockwise, as follows :-

- A. Low speed fan.
- B. Medium speed fan.
- C. High speed fan.



SIDE AND FASCIA VENTS

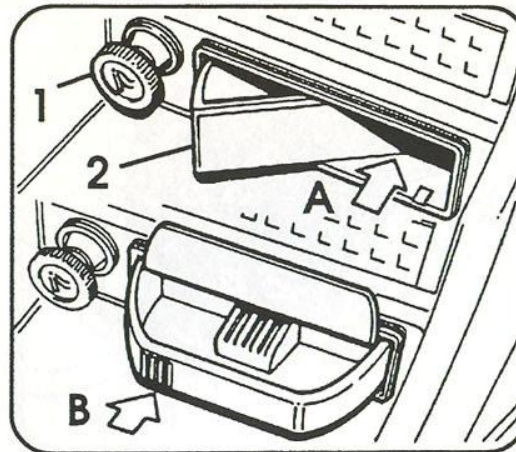
- A. Knurled wheel to raise or lower air flow.
- B. Adjustable louvre to direct air flow.
- C. Knurled wheel to open/close vent.

RADIO

For operating instructions refer to the manufacturers literature.

RADIO AERIAL

An electric aerial is fitted as standard equipment and is raised when the radio/cassette on/off knob is switched on. The aerial will automatically retract when the radio/cassette or ignition is switched off.



CIGAR LIGHTER AND ASH TRAY

1. Cigar Lighter

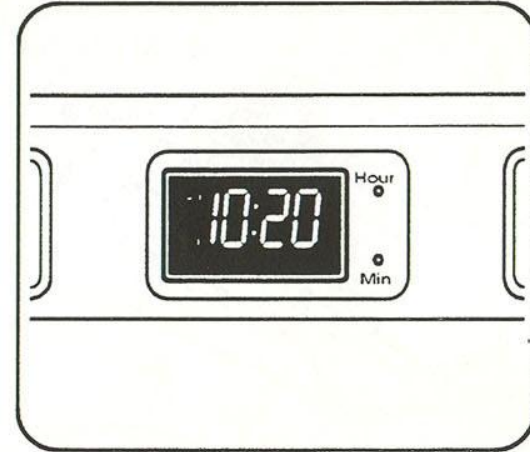
To operate, depress the knob (1). The cigar lighter unit will return to its off position when ready for use. With the cigar lighter removed, this connection may be used for other 12 volt appliances such as a car vacuum cleaner.

Note:- Never hold the lighter depressed. Do not use a pin to remove particles of tobacco as the element is self-cleaning.

2. Ash Tray

To gain access to the ash tray (2) operate as follows:-

- A. Push the right hand side (A) of the ash tray fully in, it will then rotate and the trim protection flap automatically rises into position.
- B. Push the left hand side (B) of the ash tray into the centre console.



DIGITAL CLOCK

When the ignition is switched position 'I' the clock will display time in 12-hour format. The colon between hours and minutes flashes once each second. The display dims when the headlamps are on.

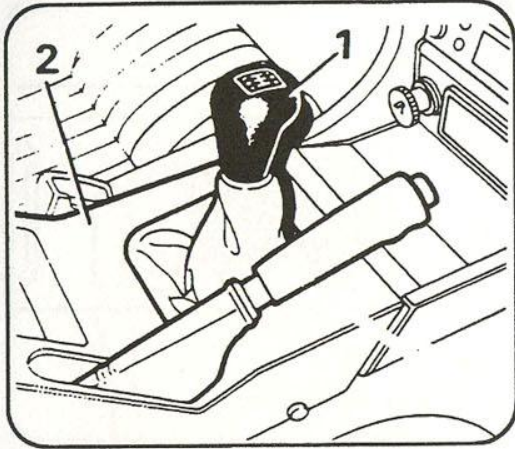
Clock Adjustment

Adjustments can only be made when the ignition is switched on.

- A. Depress button 'Hour' once to increase hour number by one.
- B. Depress button 'Min' once to increase minute number by one.
- C. For fast setting hold the respective button 'Hour' or 'Min' depressed.
- D. By depressing buttons 'Hour' and 'Min' simultaneously the clock will reset to 01:00.

Note:- If the vehicle battery is disconnected for any reason, it will be necessary to reset the clock adjustment.

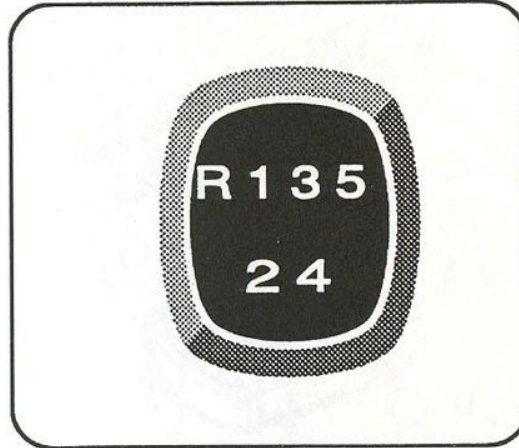
Instruments and Controls



GEAR CHANGE LEVER

1. The Gear Change Lever (1) is mounted in the extension of the glove box moulding (2) on the centre of the transmission tunnel. The gear positions are marked on the knob.

To avoid noisy reverse gear engagement, depress clutch pedal when the engine is at idling speed and then wait a few seconds before selecting reverse gear. When shifting from a forward gear to reverse or from reverse to a forward gear be sure to first bring the vehicle to a complete stop.



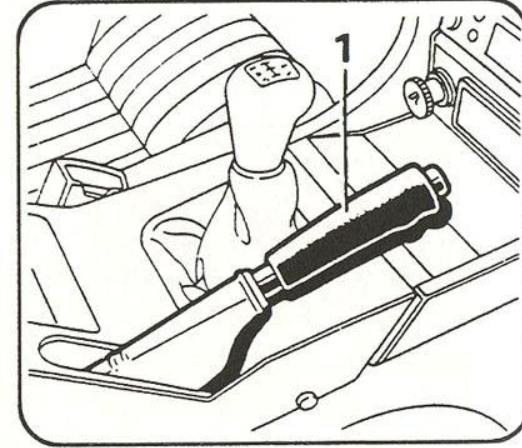
Gear Positions

5-Speed Transmission

The 5th gear provides open road cruising at a lower engine speed than is achieved in 4th gear. When used correctly it also reduces fuel consumption and engine noise.

Note:-Care should be taken when changing from 5th to 4th gear that no undue side-ways pressure is applied to the gear lever, otherwise there is a possibility of accidentally selecting 2nd gear.

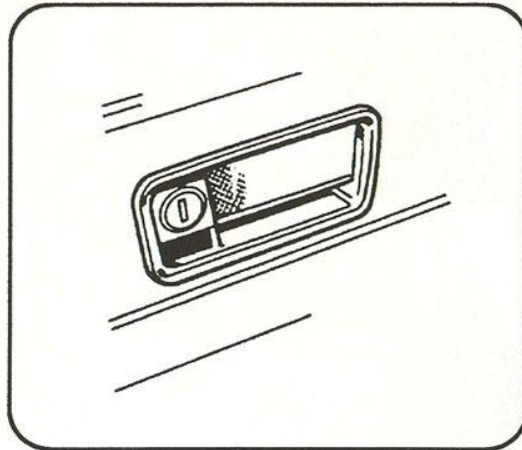
Reverse gear is selected by moving the gear lever in the neutral position to the left, then pushing down against spring pressure the lever can be moved fully to the left and forwards.



HANDBRAKE

A ratchet type handbrake lever (1) is located on top of the transmission tunnel alongside the gear lever. To release the handbrake, pull the lever slightly upwards at the same time pressing the button at the end of the handgrip. This will release the ratchet and the lever will be free to be lowered to the floor.

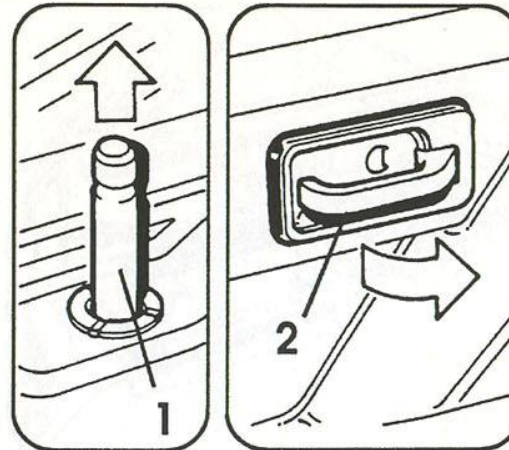
The handbrake operates on the rear wheels by means of a cable linkage, and is independent of the hydraulic braking system. The self-adjusting rear brake requires slightly more brake shoe to drum clearance than vehicles with manual adjusters. The mechanisms allow small variations in handbrake lever travel 4-6 notches during the adjustment cycle. Therefore a slightly larger than normal amount of travel does not necessarily indicate that the brakes require attention. If in doubt consult your Scimitar Sabre Dealer.



DOORS AND LOCKS

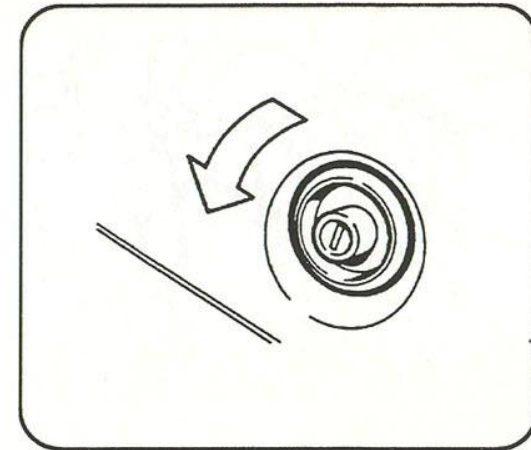
External

1. To unlock a door, insert the key and turn anti-clockwise, return to the vertical position and withdraw it.
2. Pull the external release lever to open the door.
3. To lock the door, insert the key and turn clockwise, return to the vertical position and withdraw it.



Internal

1. To unlock a door from inside the vehicle lift the locking button (1); to open, pull the internal release lever (2) and push the door.



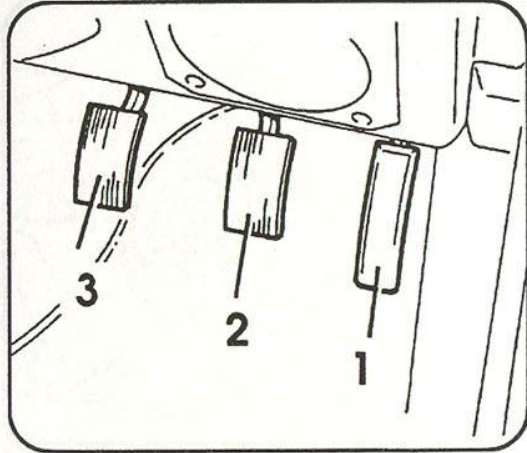
LUGGAGE COMPARTMENT

For added security, a separate key is provided for the luggage compartment.

1. To unlock, insert the key, turn anti-clockwise and press the release button. The luggage compartment will be illuminated when the lid is in the open position. A pull up board is located under the carpet to give access to an additional compartment.
2. To close the luggage compartment lid, lower the lid and press down firmly to engage lock catch. Never try to slam close the luggage compartment lid.

Lock the luggage compartment by turning the key clockwise.

Instruments and Controls



FOOT CONTROLS

All foot controls are situated conventionally being pendant pedals mounted in the footwell.

1. Accelerator Pedal

The accelerator pedal (1) is located to the right of the brake pedal.

2. Brake Pedal

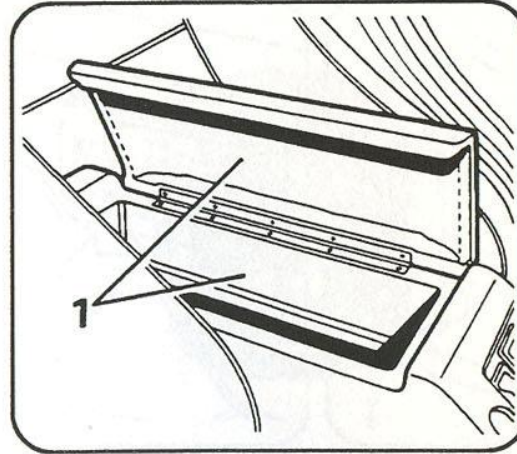
The foot pedal (2) operates the hydraulic braking system.

The brakes are self-adjusting.

3. Clutch Pedal

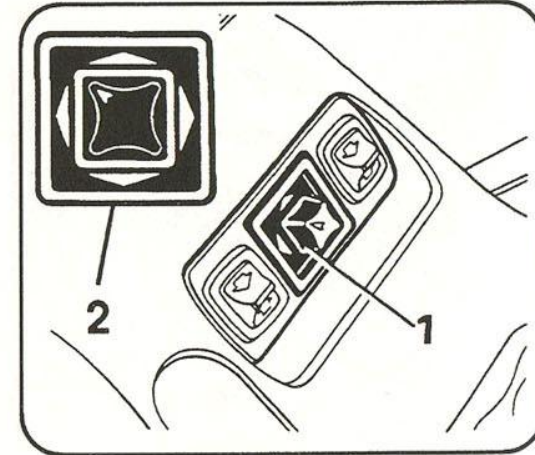
The clutch pedal (3) operates a diaphragm type clutch.

Note:- It is not recommended to hold the vehicle on a hill by slipping the clutch, always use the handbrake.



CENTRE ARM REST/GLOVE BOX

The lid of the centre arm rest covers the glove box (1). The lid is hinged and is raised from the driver's side.

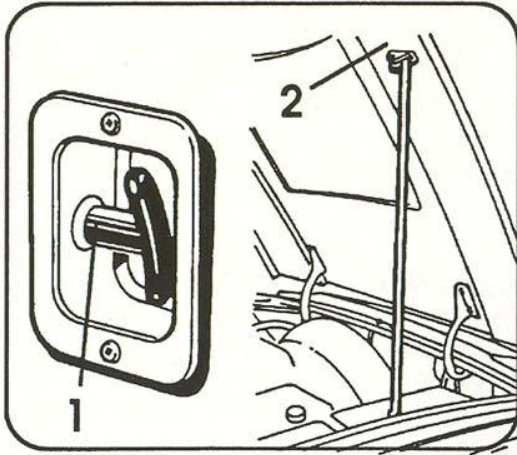


ELECTRICALLY OPERATED DOOR MIRRORS

With the ignition switched to position 'I', the electric door mirrors can be adjusted using the '3 way' switch (1) located between the window lift switches on the front face of the centre arm rest/glove box.

Turn the rocker switch (2) to the right and move up, down, or sideways to adjust the right hand mirror.

Turn the switch to the left to adjust the left hand mirror in a similar way.



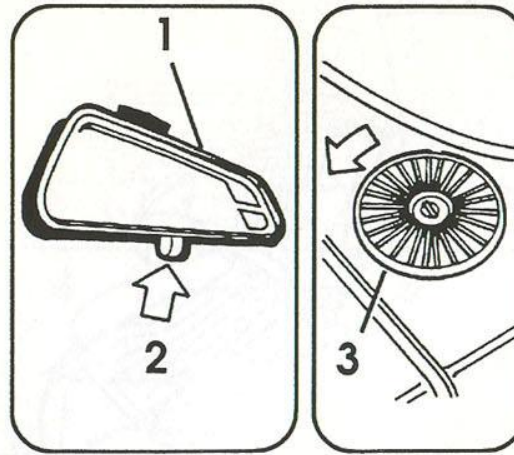
BONNET

1. The bonnet release handle (1) is recessed into the pillar to the outside of the drivers footwell. Pull the handle to disengage the bonnet catch.

2. Raise the bonnet, unclip the support stay and secure in catch (2) at the top right hand of bonnet.

3. To close, disengage the support stay and stow in retaining clip on chassis cross member and lower the bonnet. Press the bonnet firmly down until the lock can be heard to engage.

4. Check the security of the bonnet before driving off.



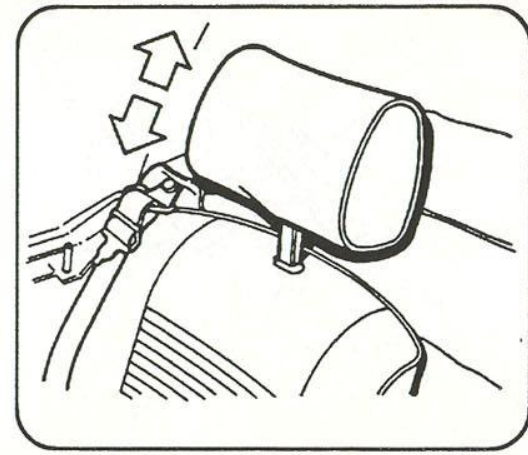
REAR VIEW MIRROR

To reduce glare from the headlights of following vehicles, the rear mirror (1) may be dipped by pulling back the lever (2) under the mirror lens.

FUEL FILLER CAP

The lockable fuel filler cap (3) is located on the right hand side of the car behind the hood. Insert and turn the key anti-clockwise to remove the cap.

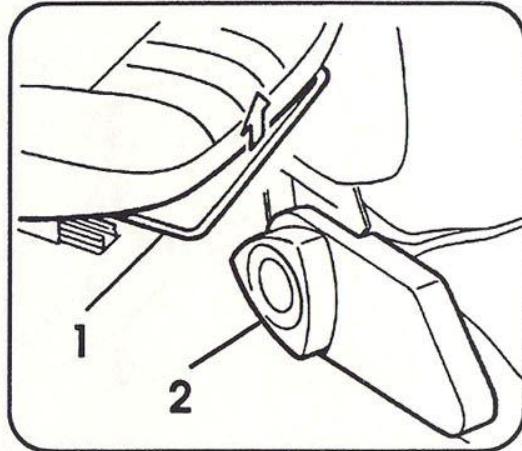
Note:- Never attempt to fill the fuel tank right to the brim of the fuel filler neck.



HEAD RESTRAINTS

Adjust the head restraints up or down so that the pad on the restrain is directly behind the head.

Instruments and Controls



SEAT ADJUSTMENT

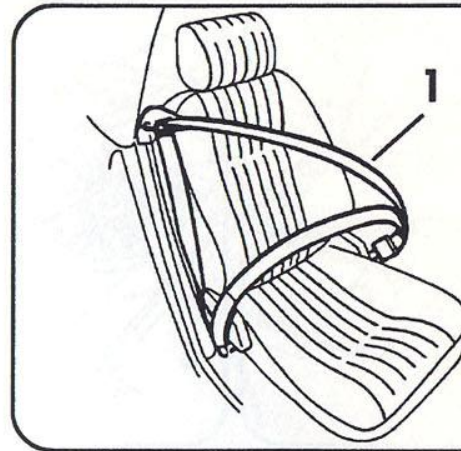
1. Lift the bar(1) and slide the seat forward or backward to the required position. Lower the bar and check that the seat is locked in position.
2. To adjust the angle of the back-rest rotate the 3-eared handle (2) on the outside of the seat. Keep raised until the required position is reached.

SEAT BELTS

Inertia reel seat belts are fitted and in most countries they must be worn by law, when travelling in the vehicle no matter how short the journey. Be sure to observe the following instructions, failure to do so could increase the chance and/or severity of injury in an accident.

Wearing instructions

1. With the occupant seated the belt (1) must pass over the outer shoulder and diagonally across the chest.



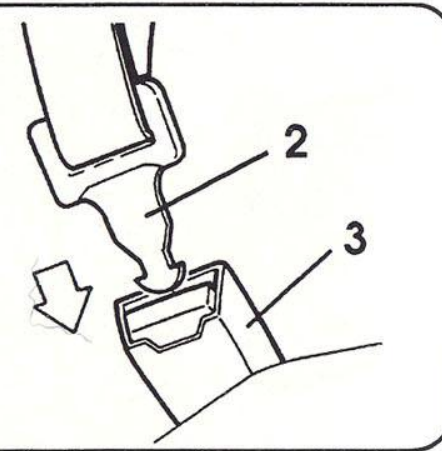
2. To fasten, push the tongue (2) of the belt into the buckle (3). A positive click indicates that the belt is safely locked.

3. No adjustment of the belt is required as the design of the reel always keeps the webbing comfortably in position across the body.

4. When travelling do not recline the seat back so that the shoulder section of the belt no longer contacts the chest. Never run the belt under your arm, position the lap belt as low as possible around the hips, not the waist. Never wear the belt inside out or twisted.

5. Never attempt to use a seat belt for more than one person, even for a small child.

6. To release the sea belt tongue, press the red release button which will automatically



disengage the buckle allowing the belt to retract into the inertia reel.

Care of the Belts

1. Regularly inspect the belts for signs of abrasion or wear, paying particular attention to the fixing points.

2. Do not attempt to make any alterations or additions to the seat belts or their fixings as this could impair their efficiency.

3. Renew a seat belt that has withstood the strain of a sever impact or shows signs of severe fraying or has been cut.

Cleaning the Belts

If the belts become soiled, sponge with warm water using a non detergent soap, and allow to dry naturally, away from heat. **DO NOT** attempt to boil, bleach or re-dye as this may reduce the effective strength of the belt.

SOFT TOP HOOD

Note:- When folding down the hood it is important that the fabric is kept clear of the metal framework, otherwise permanent damage could occur to the hood material. For ease of operation the hood frame should occasionally be lightly lubricated.

Lowering the Hood

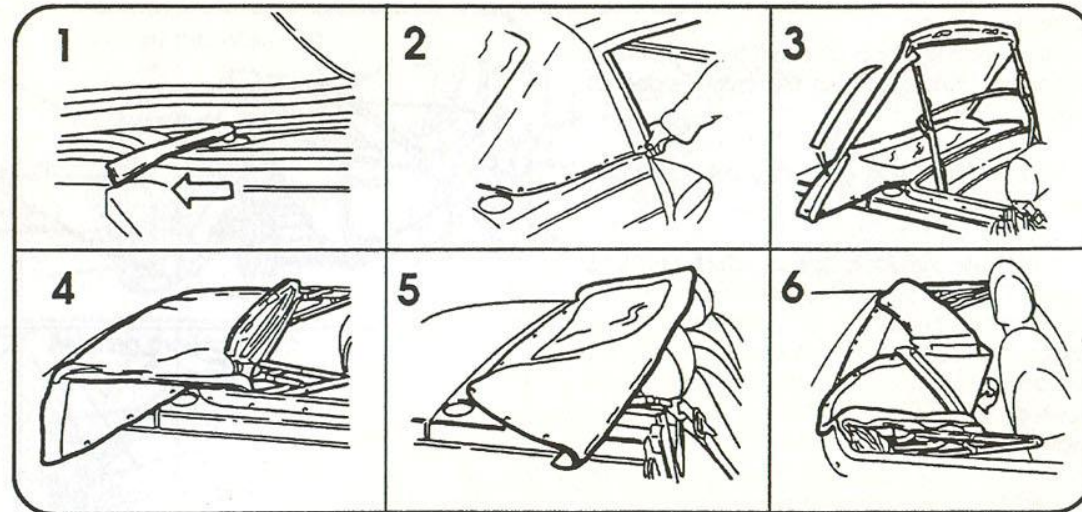
1. From inside of the car, release the hood retaining tabs from the windscreen pillars. Lower both sun visors and turn the hood locking levers inwards to release the hood from the windscreen frame.

2. Release the press studs securing the side of the hood to the body of the vehicle (three each side).

3. Fold the outer frame sections to the vertical position and lay the hood sides out flat.

Two foam covered metal support strips are fitted into pockets in the hood fabric on the inside of the vertical edges which abut the rear of the side windows. These must be removed before folding the hood side windows into position for storage.

4. Carefully collapse the metal framework and continue folding the outer frame sections until the hood fabric lies flat on the luggage compartment lid.



5. Fold the hood forward over the frame sections with the rear window facing upwards.

6. Fold the hood sides inwards over the rear window and carefully fold the hood material around the hood frame, making sure there are no creases in rear window.

7. Fit hood storage cover.

Instruments and Controls

Raising the Hood

1. Remove the hood cover, if fitted. Unfold the hood and open out the hood sides as shown.

2. Unfold the hood out onto the luggage compartment lid.

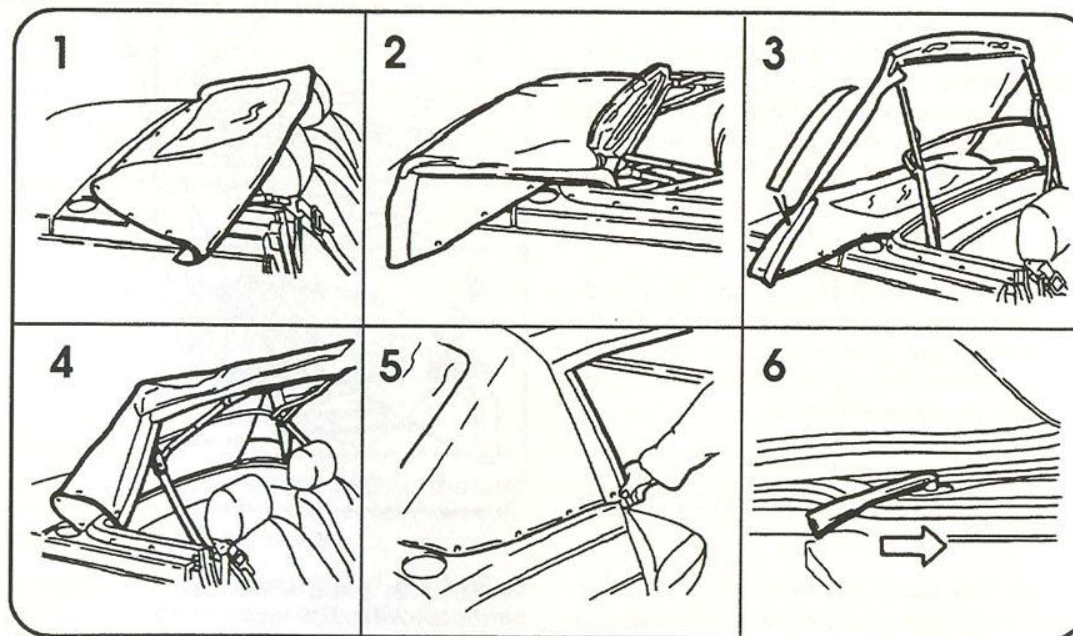
3. Raise the hood outer support sections until vertical applying pressure onto the hood frame on each side of the car until the frame 'locks' into position. Fit the support strips into the pockets in the hood fabric. The foam covered side of the supported strips should face to the outside of the car.

4. Fold the outer support sections at 90° at the same time raising the rear of the hood so that it lies correctly on the crossframe.

5. Secure the hood side wings to the body of the vehicle with the press studs on the bottom edges of the hood.

6. Locate the two locking lever studs in the catches on the windscreen frame and turn levers outwards to secure the hood firmly in position. Secure the hood retaining tabs to the windscreen pillars.

The rear window can be unzipped on three sides and folded flat behind the seats to increase ventilation.



HARD TOP

A hard top complete with fitting instructions is available but because of the nature of the work involved, it is recommended that the initial fit is entrusted to your Scimitar Sabre Dealer. When you want to enjoy the benefits of open car motoring the hard top can be quickly and easily removed and replaced with the soft top hood.

Removing the Hard Top

1. Disconnect the heated rear window feed wire (1) from the bullet connector on the right-hand side and tuck back under the rear deck.

2. Remove the two bolts (2) securing the hard top rear fixing brackets.

3. Remove the two bolts (3) securing the hardtop side fixing brackets.

4. Carefully pull back the seal (4) from the retaining flange on the windscreen pillars.

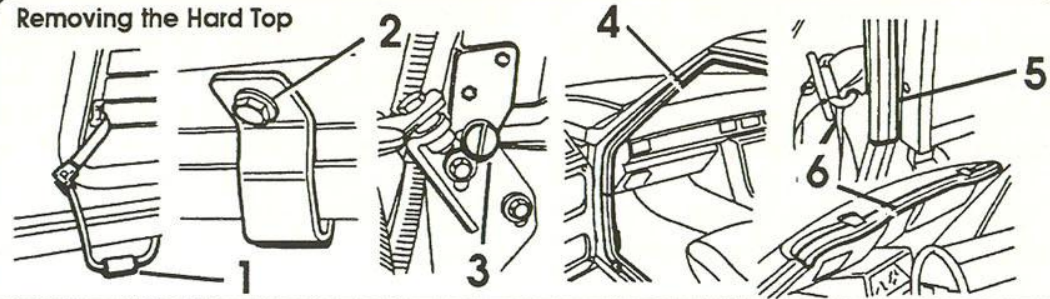
5. Pull the lower end of the hard top seal (5) from the retaining tape on the door pillars.

6. Turn the locking levers inwards to release the hard top from the windscreen header rail.

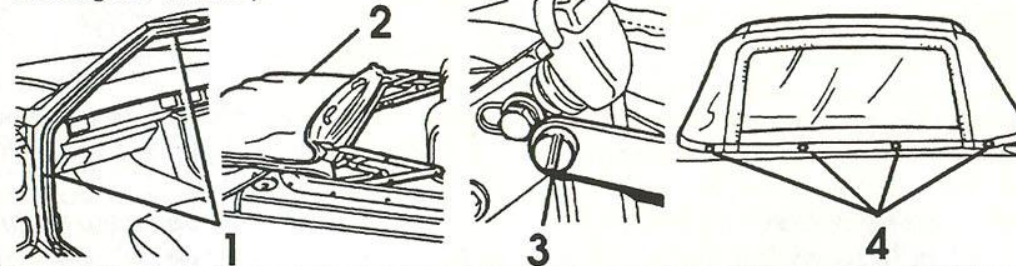
7. With assistance carefully lift the hard top from the vehicle.

8. Carefully pull off the windscreen header rail seal (6).

Removing the Hard Top



Refitting the Hard Top



Note:- The hard top, seals and fixings should be stored in a dry location.

Refitting the Soft Top Hood

1. Refit the windscreen header rail (1) and door aperture seal (1) that was removed when the hardtop was first fitted. Ensure the mitred corners of the seal are correctly positioned on the apex of the windscreen pillars. The end of the seal must abut the lower part of the door aperture seal on both sides of the vehicle.

2. Position the folded hood (2) on the vehicle, header rail uppermost and fit the hood frame pivot bolts to both seat belt mounting brackets (3).

3. Secure the rear edge of the hood to the rear deck with the four screws (4) previously used in this location.

4. Refit the pressstuds to the body forward of the rear deck fittings.

5. To raise the hood and secure in position refer to appropriate instructions on page 20 of this handbook.

Starting and Driving

STARTING THE ENGINE.

Before starting the engine, check that the handbrake is on and that the gear lever is in neutral. All unnecessary electrical equipment should be switched off.

1. Turn the starter switch to position 'II' and check instruments and warning indicators.
2. Turn the starter switch to position 'III' to operate the starter motor, release the key as soon as the engine has started.

WARNING:- Do not press the accelerator pedal while the starter motor is engaged.

WARNING:- Do not operate the starter motor for more than 10 seconds at a time. If the engine fails to start; switch off and wait for 10 seconds before trying again.

Note :- While starting in freezing conditions, or when the battery is in a low state of charge, reduce the load on the battery by depressing the clutch pedal until the engine has started.

Tappet Noise

Under certain conditions, when the engine has not been started for several days, the tappets in the engine may be noisy. This is a feature of hydraulic tappets, it is not a malfunction however, the engine speed should not exceed 3000 RPM until the tappet noise ceases.

Warming up the Engine

The fuel injection system compensates for all normal starting conditions by automatically delivering the correct amount of fuel to the engine. Drive the car as soon as the engine has started. **DO NOT** warm up the engine with the vehicle stationary.

Harsh acceleration or labouring of the engine is not recommended at any time however, when the engine is cold, this type of driving **is damaging** to the engine and **MUST** be avoided.

WARNING:- Never start or leave the engine running in an unventilated building, exhaust gases are poisonous, they contain carbon monoxide which can cause unconsciousness and may be fatal.

Running-in

The engine, gearbox, brakes and tyres need time to adjust to the demands of everyday motoring. During the first 500 miles (800km) it is essential that you drive with consideration for the running-in process.

Considerations:-

Do not allow the engine to exceed 3000rpm in any gear.

Do not operate the engine at full throttle in any gear.

Do not allow the engine to labour in any gear.

Avoid heavy braking.

After the running in distance has been completed, engine speeds may be gradually increased.

Starting and Driving

BRAKING

Dual Circuit Braking System

Power is safe only as long as it is positively controlled, consequently your Scimitar Sabre has in addition to a modern power unit - powerful brakes. The dual circuit consists of front and rear wheel braking systems. The dual system acts on discs at the front, and self-adjusting drum brakes at the rear.

A failed brake circuit will require significantly more pedal effort and pedal travel will be longer than normal. Loss of brake fluid in the failed circuit will be indicated by the brake warning light coming on. If the brake warning lamp illuminates whilst driving, stop the car and if necessary, seek qualified assistance.

Note: The brake servo reduces braking effort and contributes to comfortable driving. The servo gets its power from vacuum generated when the engine is running.

When the engine is not running eg. when being towed, the braking servo is inoperative, braking requires greater effort and allowances must be made for increased braking distance.

Use of Brakes

Brake wear is largely dependent on driving method and operating conditions. Substantial driving in built-up areas and in particular, erratic driving will result in increased brake lining wear. Occasionally your brakes may squeak or squeal, depending on use or atmospheric condition this is not a function fault. Brake linings will not be fully effective

on wet discs or drums. Water reduces friction and delays the braking effect, so it is advisable to test the brakes gently on starting a journey and to keep an increased distance between you and the vehicle in front in wet or 'slushy' conditions.

Good drivers have a feel for braking, reducing lining wear and fuel consumption as well. Heavy braking should only be used where there is a real danger.

When driving in mountainous areas, use the same gear downhill as would have been used going uphill at the same spot. Engine and brakes then share the load.

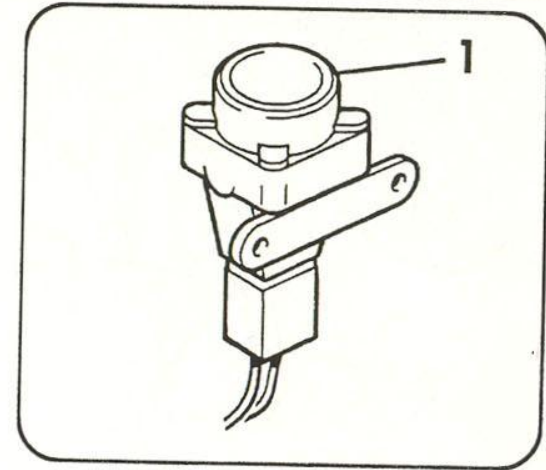
ECONOMIC DRIVING

Your Scimitar Sabre has been designed to give excellent performance with a moderate fuel consumption. However, the way in which a car is driven is the most important factor in achieving good fuel economy.

TYRES

Check the tyre pressures regularly, ensure that they are maintained at the recommended level.

WARNING:- Unbalanced wheels cause uneven wear. If a tyre is damaged consult your Scimitar Sabre Dealer or a tyre specialist. Never attempt a make shift repair yourself. It is important that replacement tyres should be of the same size, type and speed rating as those originally fitted to your vehicle as any variation could adversely affect safety and handling.



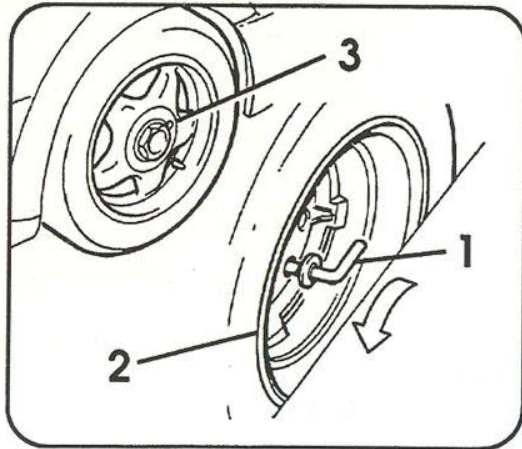
FUEL CUT OFF VALVE

The Scimitar Sabre fuel system incorporates a fuel cut off, inertia switch, which in the event of an accident, collision or heavy impact, will disconnect the electrical supply to the fuel pump.

The inertia switch is mounted on the rear bulkhead in the engine compartment

In the event of this switch being activated during normal operating conditions, the switch may be reset by depressing the button (1). If in any doubt regarding the operation of this switch, contact your Scimitar Sabre dealer.

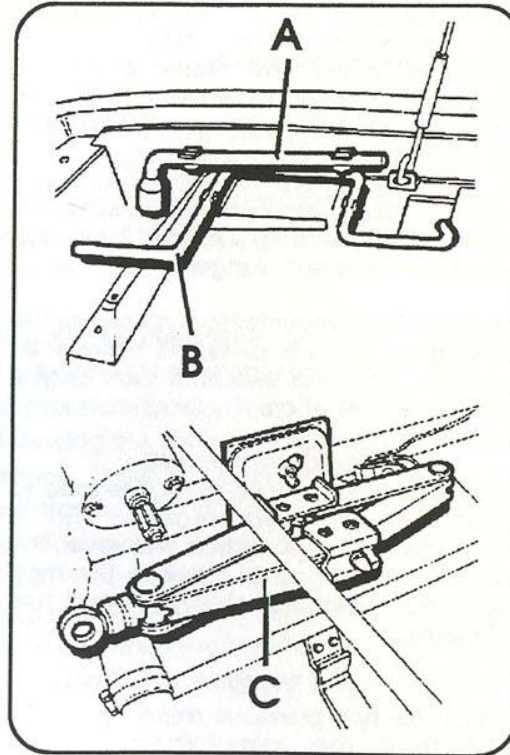
Emergency Procedure



CHANGING A WHEEL

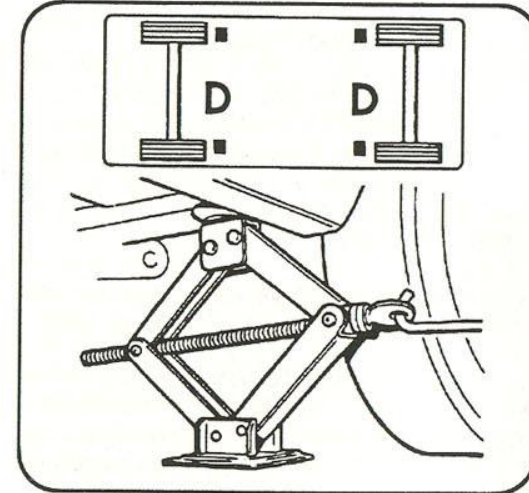
The spare wheel is located directly in front of the engine and secured to a chassis cross member by a locking bar.

1. To remove the spare wheel turn the locking bar (1) anti-clockwise and withdraw completely.
2. Lift the wheel (2) straight up to clear the chassis box sections and then sideways over the wing of the car.
3. Remove the locking pin, using the special key (3), of the wheel nut protection cover.
4. Slacken the wheel nuts of the wheel to be removed using the wheel nut brace (A), this is located to one side of the engine compartment



5. Before jacking up the vehicles, it is essential that the vehicle is on a level surface with the handbrake securely 'on'.

6. Position the jack (C) for wheel changing, two jacking points (D) and are provided on each side of the vehicle chassis. Before raising the vehicle ensure the 'button' on the top of the jack is located fully in the hole in the jacking point box. Raise the vehicle using the handle (B).



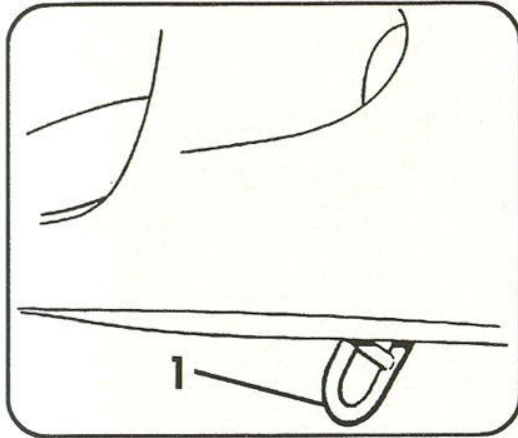
7. Remove wheel nuts, lift off wheel and fit the temporary spare wheel.

NOTE:- The Scimitar Sabre is supplied with a temporary spare wheel. This spare wheel is only to be used in an emergency. When the temporary spare wheel is fitted care must be taken whilst driving. The maximum speed of the car **MUST NOT** exceed 50mph (80km/hr).

The tyre pressure of this spare wheel should be maintained and used at 60lbs/in² (4 Bar), this is generally suitable for all road conditions.

The damaged / deflated wheel will not stow in the same place as the temporary spare wheel. The damaged wheel should be placed in the special bag provided and placed behind the front seats.

The punctured tyre should be repaired or replaced as soon as possible.



RECOVERY

Towing

A tow hook (1) is provided below the air intake aperture at the front of the vehicle. It is designed for emergency use only and should not be used for long distance towing. Take care to ensure the towing effort is only gradually applied to the tow rope and the tow rope is kept taut and does not become entangled around the vehicle wheels. When towing the vehicle, the ignition key must be in position 'II' which will release the steering lock and activate the ignition warning light, this allows the lights, horn and brake lights to be operational.

Note:- It should be noted that when the engine is not functional, brake servo assistance is not available, the brakes will therefore, require greater effort, and allowance must be made for greater braking distances.

Pushing the Vehicle

If the vehicle is to be pushed, ensure the ignition key is turned to position I so that the steering lock is disengaged and the vehicle can be properly manoeuvred. Never push the vehicle without a driver in position to control the vehicle and remember the brake servo will not be operational if the engine is not running

WARNING: Do not tow or push start a vehicle fitted with a catalytic converter (1). It is possible that the resulting excess fuel in the system would adversely affect the catalyst.

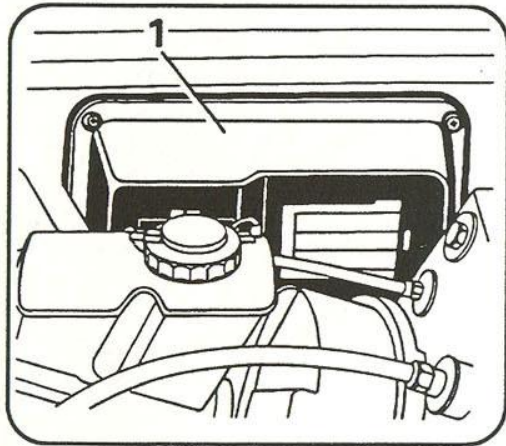
Starting Using 'jumper' Cables

If your car has a flat battery you can start the engine by connecting a second battery to your battery.

Note:- Never connect jumper cables to more than one slave battery, or to a battery which has a nominal voltage greater than 12Volts. The cables should always be connected to the slave battery first (positive to positive, negative to negative) to reduce the possibility of sparks.

If a second battery is connected with 'jumper' cables to your battery to assist in starting, then the engine of this vehicle should be kept running at a fast idle to keep its own battery charged. After starting your car, do not disconnect the 'jumper' cables until the engine has returned to normal idle speed.

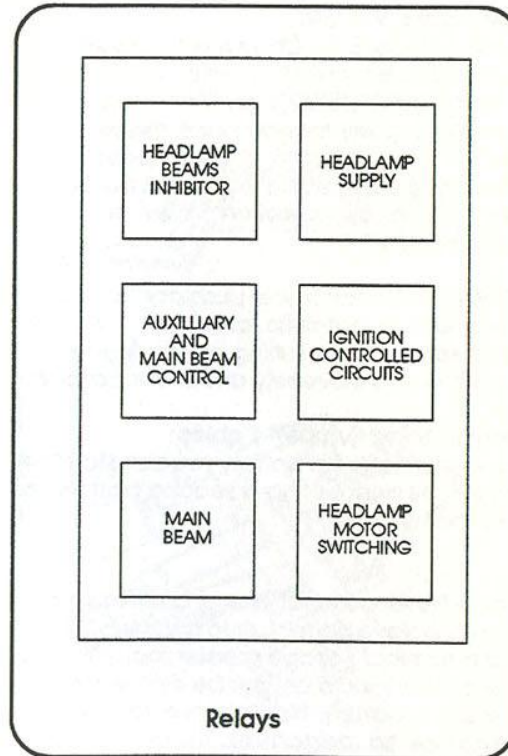
Emergency Procedure



FUSES AND RELAYS

The fuse box (1), located to one side of the engine compartment, contains all fuses and the main relays. The circuits protected and controlled by the fuses are identified in the drawing opposite. A blown fuse can be recognised by a break in its wire.

WARNING: Before replacing a fuse or relay, ensure that both the ignition and respective switch are in the off position.



Relays

To check or renew a fuse.

1. Lift off plastic cover (1).
2. Remove relevant fuse, check and replace as necessary.

Note:- Only replace with a fuse of the same ampere rating. All fuses are a push fit into their respective holder.

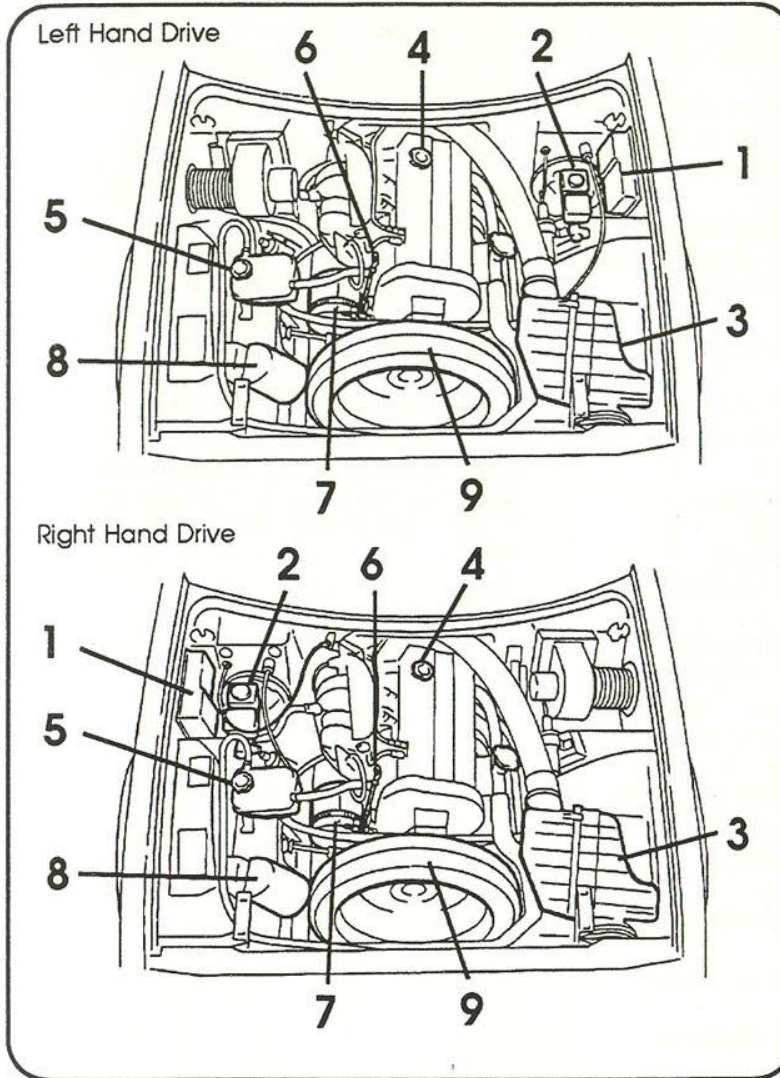
	15 AMP	15 AMP	5 AMP
7	L/H WINDOW	R/H WINDOW	R/H & L/H MIRRORS
	5 AMP	10 AMP	15 AMP
6	L/H SIDE, TAIL & No PLATE LAMPS	FRONT DRIVING LAMPS	RADIATOR COOLING FAN
	5 AMP	5 AMP	15 AMP
5	R/H SIDE, TAIL & PANEL LAMPS	REAR FOG LAMPS	HEATER FAN MOTOR
	10 AMP	5 AMP	10 AMP
4	L/H MAIN BEAM	CLOCK MEMORY, INTERIOR & BOOT LAMP	HEATED REAR SCREEN
	10 AMP	10 AMP	5 AMP
3	R/H MAIN BEAM	HAZARD LAMPS & CIGAR LIGHTER	RADIO & CLOCK
	10 AMP	15 AMP	10 AMP
2	L/H DIP BEAM	HEADLAMP LIFT MOTOR	SCREEN WASH & WIPE
	10 AMP	15 AMP	10 AMP
1	R/H DIP BEAM	HORNS	REVERSE, STOP & INDICATOR LAMPS
	A	B	C

Fuses

3. Replace fuse box cover.
4. Repeated fuse blowing indicates an electrical fault.

Note:- Never fit larger capacity fuses than specified.

Routine Care and Maintenance



1. Fuse Box
2. Brake Fluid Reservoir/Level
3. Air Cleaner
4. Engine Oil Filler
5. Engine Coolant Reservoir/Level
6. Engine Oil Dipstick/Level
7. Alternator
8. Windscreen Reservoir/Level
9. Spare Wheel/Tyre Tread

ROUTINE SERVICING

Your new Scimitar Sabre incorporates many features which reduce servicing requirements to a minimum. However regular routine inspection, maintenance, lubrication and planned servicing of your vehicle are absolutely essential to ensure trouble free motoring. It is recommended that the routine maintenance and inspection of your vehicle should be entrusted to your Scimitar Sabre Dealer. Certain items of maintenance require special equipment and these of course, must be carried out by your Scimitar Sabre Dealer at the prescribed periods.

Routine servicing and maintenance that can be accomplished by the owner driver with reasonable knowledge of motor cars has been included in the following pages.

WARNING:- For your own safety you should only carry out checks in the engine compartment with the ignition turned off

The illustrations opposite identify and locate the major components within the engine compartment.

Routine Care and Maintenance

SERVICE SCHEDULE

The maintenance periods fall into well classified categories.

Post delivery Service at 1000 miles (1500km) or one month consisting of:-

- ★ Check and replenish engine oil.
- ★ Check and adjust the alternator drive belt.
- ★ Check and replenish the brake master cylinder reservoir.
- ★ Check and adjust clutch operation.
- ★ Inspect the braking system for leakage or chafing.
- ★ Check security of wheel nuts.
- ★ Check condition, inflation of tyres.
- ★ Check inlet and exhaust manifold connections.
- ★ Check all hoses and pipes for security.
- ★ Check exhaust for leaks and condition.
- ★ Check exhaust system for leakage.
- ★ Check all controls, lights, horns and instruments for operational efficiency.
- ★ Check headlamp alignment.
- ★ Check and adjust idle speed.
- ★ Check exhaust emissions.
- ★ Check the operation of all locks, hinges and latch mechanisms.
- ★ Check and replenish the windscreen washer reservoir.
- ★ Check the battery condition.

Service at every 12000 miles (20,000km) or twelve months, consisting of:-

- ★ Renew the engine oil and filter.
- ★ Replace spark plugs.
- ★ Check and replenish the transmission oil.
- ★ Check and replenish the differential oil.
- ★ Check and adjust the alternator drive belt.
- ★ Check and replenish the brake master cylinder reservoir.
- ★ Check and adjust clutch operation.
- ★ Inspect the braking system for leakage or chafing.
- ★ Check condition of brake pipes, brake pad and brake shoes.
- ★ Check security of wheel nuts.
- ★ Check condition, inflation pressure of tyres.
- ★ Check inlet and exhaust manifold connection.
- ★ Check all hoses and pipes for security.
- ★ Check exhaust system for leakage.
- ★ Check all controls, lights, horns and instruments for operational efficiency.
- ★ Check headlamp alignment.
- ★ Check and adjust idle speed.
- ★ Check exhaust emissions.
- ★ Check and lubricate all locks, hinges and latch mechanisms.
- ★ Check and replenish the windscreen washer reservoir.
- ★ Check the underside of vehicle for damage.
- ★ Check the battery condition.

Service at each 24,000 miles (40,000km) or two years.

In addition to the 12000 mile service :-

- ★ Check the CO, CO₂ and HC levels, adjust if necessary.
- ★ Replace the air filter element.
- ★ Replace the fuel filter element.
- ★ Drain and flush through and replenish the cooling system.

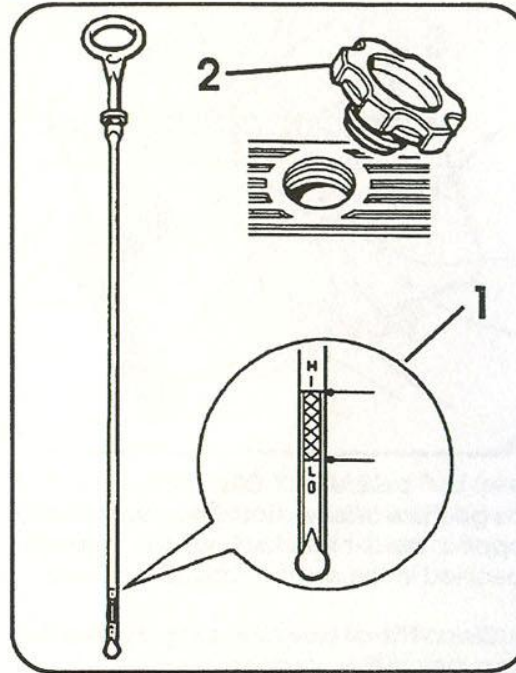
Service at each 36,000 miles (60,000km) or three years.

In addition to the 12000 mile service :-

- ★ Renew the brake fluid and all brake seals and brake hoses.

Routine Care and Maintenance

Engine oil	29
Engine oil and filter change	29
Gearbox oil level	30
Rear axle oil level	30
Brake fluid level	31
Cooling system	31
Changing the coolant	32
Alternator drive belt	32
Clutch adjustment	33
Windscreen washer reservoir	33
Windscreen washer jet adjustment	33
Windscreen wiper blades	33
Air cleaner element	34
Catalytic converter	34
Battery	35



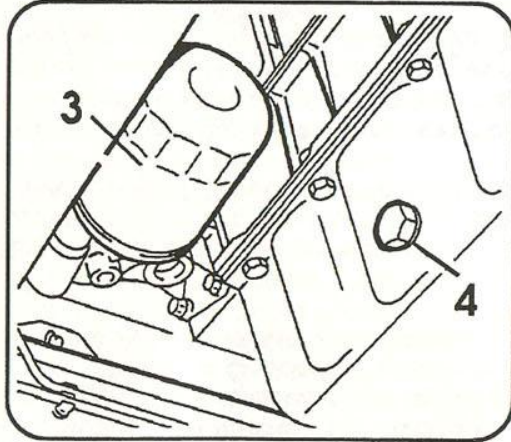
ENGINE OIL

1. When checking the engine oil level, ensure that the vehicle is on level ground. Stop the engine and allow several minutes to elapse for the oil to drain into the sump.
2. Withdraw the dipstick (1), wipe it clean, with a non fluffy cloth, and push it back into the dipstick tube. Ensure that it is pushed fully into the tube.
3. If the oil level is between the two marks on the dipstick, no topping up is necessary. If the oil level has dropped to the 'MIN' mark, then add the recommended engine lubricant (see Technical specification data) through the oil filler (2) on the camshaft cover. Do not fill above the 'MAX' mark.

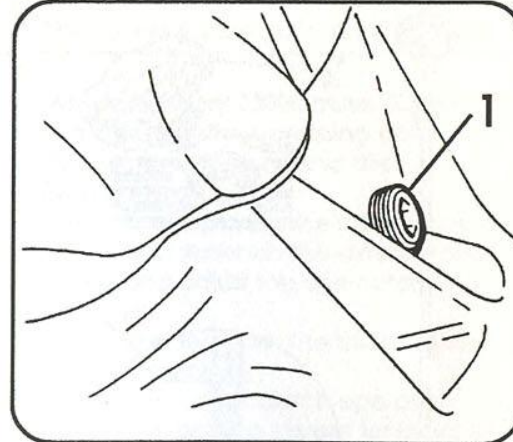
ENGINE OIL AND FILTER CHANGE

The engine oil and filter (3) should be changed at the intervals specified in the service schedule on. The oil should be drained when the engine is warm. The oil filter can be removed while the oil is draining.

Routine Care and Maintenance



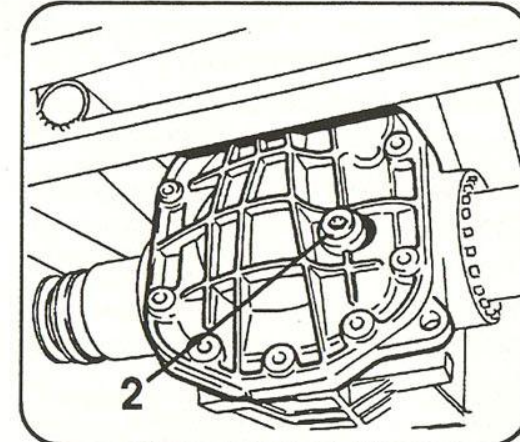
1. Place a container of at least 10 litres (2 gallons) capacity under the engine sump.
2. Thoroughly clean the drain plug (4) and surrounding area and remove plug.
3. Allow the oil to drain completely and replace the plug.
4. Unscrew the oil filter in an anti-clockwise rotation. The use of an oil filter strap is recommended.
WARNING:- The oil filter will be full of hot oil.
5. Smear a little clean engine oil on the rubber seal of the new filter, and then screw the filter into position, using hand force only.
6. Refill the engine with the recommended lubricant (see Technical specification data) and check the oil level.
7. After a short engine run, re-check the oil level and top if necessary.



GEARBOX OIL LEVEL

The gearbox oil level should be checked and topped up if necessary, at the intervals specified in the service schedule.

1. Clean the oil level/filler plug (1), and the surrounding area and remove plug.
2. Check the oil level and top as required with the recommended lubricant. The correct oil level is just below the filler plug hole.



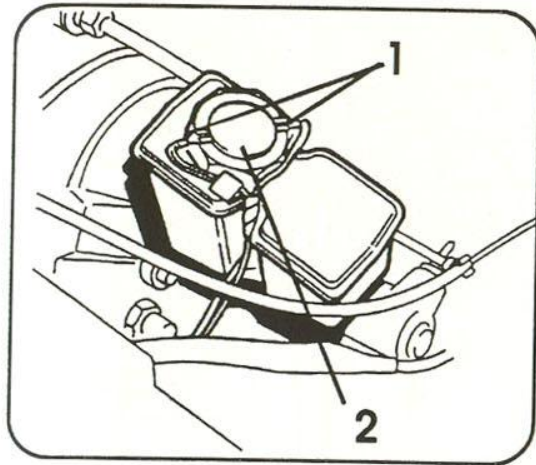
REAR AXLE OIL LEVEL

The rear axle oil level should be checked, and topped up if necessary, at the intervals specified in the service schedule.

1. Clean the oil level/filler plug (2), and the surrounding area and remove plug.
2. Check the oil level and top up as required with the recommended lubricant. The correct oil level is just below the filter plug.

Note:- it is not necessary to drain the gearbox or rear axle differential oil in routine servicing. The initial oil fill and the recommended oil for the topping up procedure is formulated to give a smooth and lasting lubrication to both units.

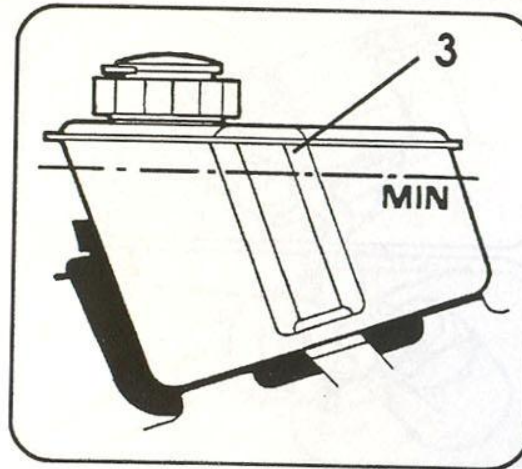
Routine Care and Maintenance



BRAKE FLUID LEVEL

The brake fluid reservoir is integral with the brake servo unit and master cylinder. Checking the brake fluid level is one of the most important safety precautions. The fluid level will fall slightly over a long period due to automatic adjustment of the brakes. Check the fluid level, which is visible through the transparent walls of the fluid reservoir, if necessary, top up the fluid reservoir as follows:-

1. Carefully disconnect the two electrical leads (1) from the fluid level sensor on the reservoir cap (2).
2. Clean the cap and surrounding area and remove reservoir cap.



3. Top up with the recommended fluid (see Technical specification data) until the fluid is level with the front joint flange of the reservoir (3).

The brake fluid warning light will illuminate before the level reaches the 'MIN' line.

The efficiency of the brakes may be impaired if fluid is used that is not as recommended by Reliant. Do not use brake fluid that has been exposed to the air for any length of time. Moisture absorbed from the air dilutes fluid and reduces its efficiency. It is recommended that brake fluid be replaced every 36000 miles (60000km) or 36 month intervals.

WARNING:- if the brake fluid is spilled on paintwork the affected area must be washed down immediately.

COOLING SYSTEM

WARNING:- Do not remove the filler cap(s) when the engine is hot. The cooling system is pressurised and personal scalding could result. Allow the engine to cool before checking the coolant level, first turning the expansion bottle cap to the first stop so that the pressure is released. Wait a few seconds before removing the cap completely.

The coolant level is visible through the walls of the expansion tank. When the engine is cold the coolant should be level with 'MAX' mark on the expansion tank.

Slight raising of the coolant level above the 'MAX' mark when the engine is hot is normal and may be disregarded. If the level is too low top up the expansion tank with the specified coolant.

It is important that the water level is also checked in the top outlet pipe from the cylinder head. The filler cap fitted is not pressurised and cannot be confused with the expansion bottle cap.

Routine Care and Maintenance

Changing the Coolant

The coolant system must be drained, flushed and refilled with the recommended coolant mixture at least every two years. After this period the original coolant will no longer provide adequate frost and corrosion protection.

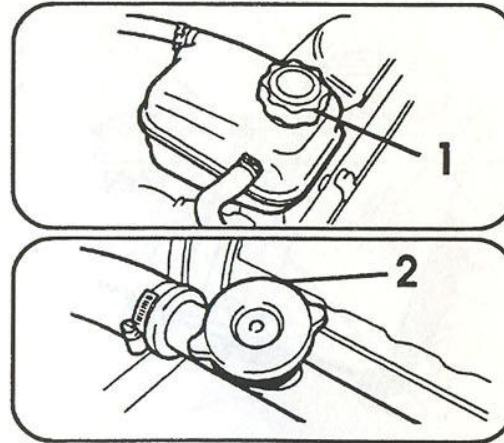
The anti-freeze solutions should be maintained at a concentration of 50% and this will afford frost protection down to -35°C. Contact your Scimitar Sabre Dealer for expert advice.

WARNING:- The inhibitor in some types of anti-freeze, although specified for use in cast iron or aluminium engines, will not give adequate corrosion protection at temperatures above 120°C. Present day engines operate at these high temperatures to ensure good performance and economy characteristics and if not properly protected, may suffer from severe corrosion. To ensure optimum protection always insist on the recommended anti-freeze.

In order to correctly fill the coolant system and thereby avoid cylinder head distortion it is **IMPERATIVE** that the recommended coolant fill procedure is observed.

To change the coolant proceed as follows after ensuring the cooling system is leak proof (Anti-freeze solutions are far more searching at joints than water). Allow the engine to completely cool before carrying out this procedure.

1. Remove the expansion tank pressure cap (1).



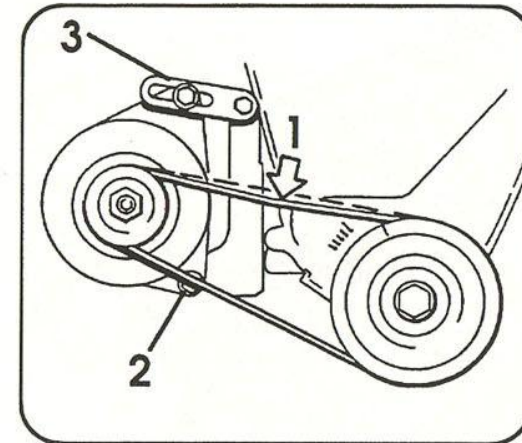
2. Remove the radiator drain plug from the bottom of the radiator.

3. Thoroughly flush the cooling system with clean water.

4. Replace the radiator drain plug.

5. Fill the system via the expansion tank (1) and top pipe filler (2). Only fit the top pipe filler cap when the pipe is completely full.

Note:- Allow the engine to run for several minutes before fitting the expansion bottle cap.



ALTERNATOR DRIVE BELT

It is important that the alternator drive belt tension should be maintained especially in winter months when headlamps and ancillary equipment are used more often.

1. Check drive belt tension by thumb pressure between alternator and crankshaft pulleys (1). Movement should be 10-13mm, if necessary adjust as follows:-

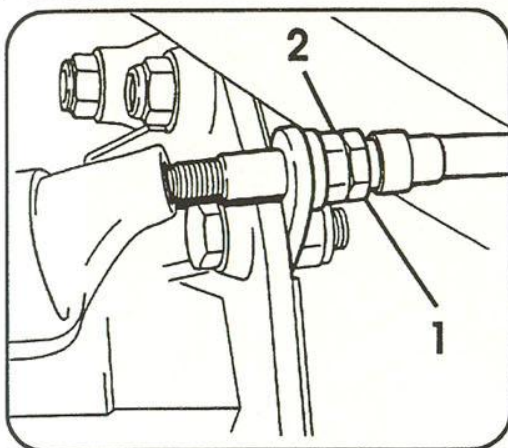
2. Slacken the bolts (2) securing the alternator to the mounting bracket.

3. Slacken the bolt (3) securing the alternator to the adjustment strap.

4. Pivot the alternator inwards or outwards, as necessary, adjust until the correct tension is obtained, and retighten bolt on adjustment strap.

5. Finally retighten the two bolts (2) securing the alternator to the mounting bracket.

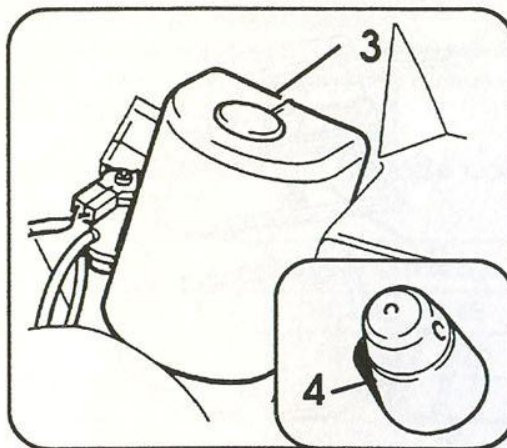
Routine Care and Maintenance



CLUTCH ADJUSTMENT

The clutch is correctly adjusted when there is approximately 13mm (0.5in) free play at the clutch pedal. If adjustment is necessary continue as follows:-

1. Slacken locknut (1) on clutch cable adjuster screw.
2. Rotate adjuster nut (2) until correct free play at the clutch pedal is attained. Retighten locknut.



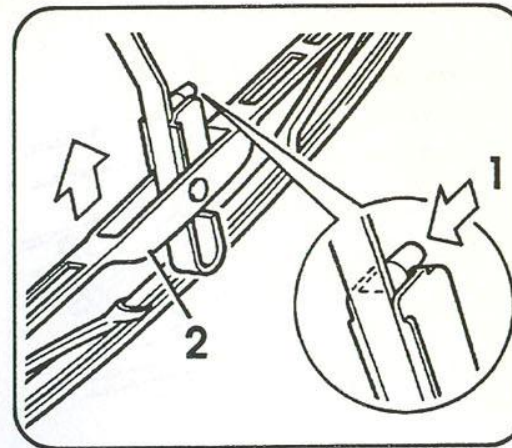
WINDSCREEN WASHER RESERVOIR

The windscreen washer reservoir, located on the front of the wheel arch in the engine compartment, should be checked regularly.

1. Remove reservoir cap (1) from within the engine compartment.
2. Top up reservoir, if necessary, to the base of the filler, with a mixture of clear water and screen-washer additive. After filling the reservoir, operate the washer switch to ensure that the system is primed and the jets are working.

Windscreen washer jet adjustment

3. Place the point of a pin into the nozzle of the washer jet (AA) and rotate to the required position.

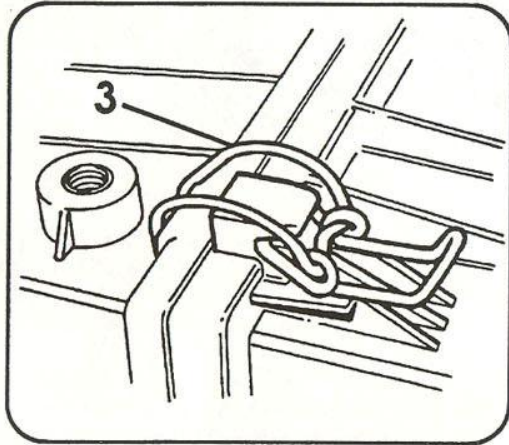


WINDSCREEN WIPER BLADE(S)

It is recommended that the wiper blade(s) are replaced every 12 months to maintain clear efficient wiping of the windscreen.

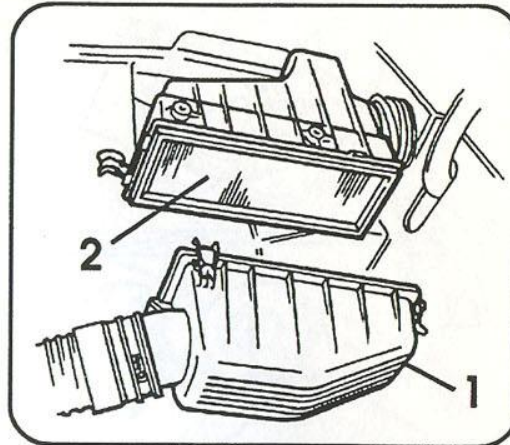
1. Press the retaining tab (1) on the end of the wiper blade (2) and pull the blade from the arm.
2. Swivel wiper blade through almost 90° and remove from hooked end (2) of wiper arm.
3. Position new blade over hooked end of wiper arm, swivel through almost 90° and engage locking tab into wiper arm. Check that the wiper blade has been securely retained.

Routine Care and Maintenance



AIR CLEANER ELEMENT

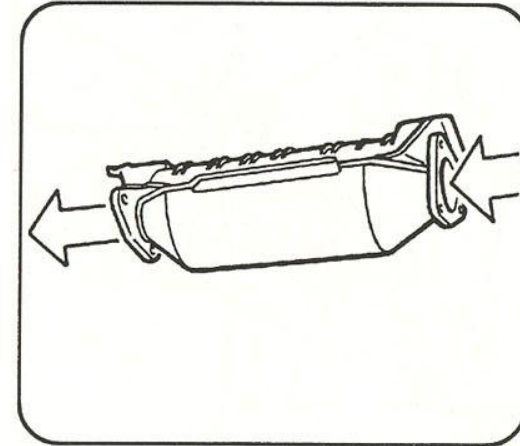
To obtain optimum performance the air cleaner element of your vehicle should be replaced at the intervals specified in the service schedule.



CHANGING AIR CLEANER ELEMENT

Release the 4 clips (3) and withdraw the air filter element cover (1) and remove the old element (2) from the main body.

Replace the new element into the main body and replace the cover, securing it with the 4 clips (3)

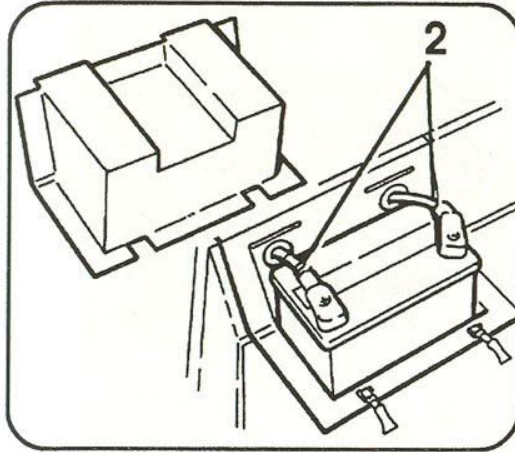


CATALYTIC CONVERTER

The exhaust system on your car incorporates a catalytic converter, which converts poisonous exhaust emissions from the engine into environmentally less harmful gases, thereby reducing atmospheric pollution.

The catalytic converter can be easily damaged through improper use, particularly if the wrong fuel is used, or if an engine misfire occurs.

Routine Care and Maintenance



BATTERY

A maintenance free battery is fitted to the Scimitar Sabre. Always ensure that the terminals are kept tight and clean.

Terminal Connections

The battery leads (2) should be disconnected only with the engine switched off. Always remove the negative (black) lead first. When reconnecting the battery, ensure that the negative black terminal is connected last.

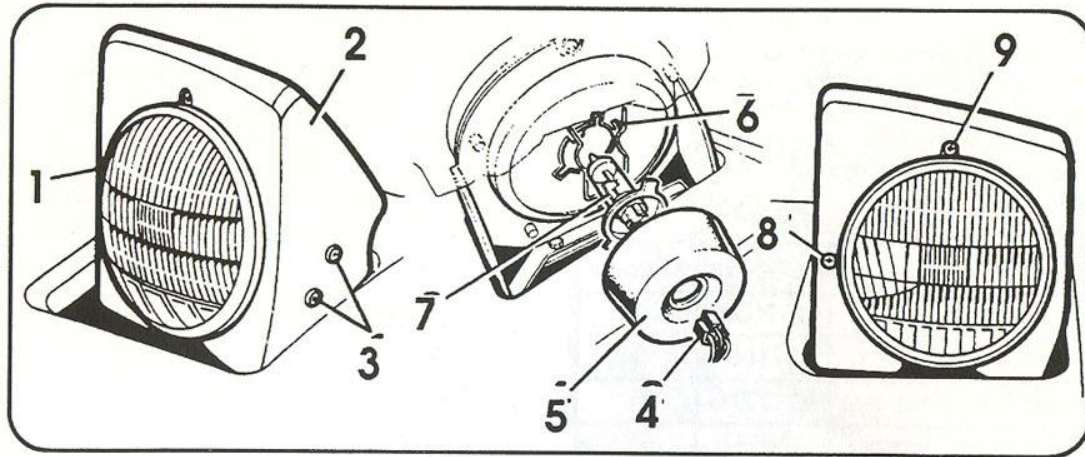
BULB REPLACEMENT

Note :- Before replacing a bulb, always switch off the respective lighting switch to prevent any possibility of a short circuit.

Always replace bulbs with the same type and specification.

Application	Sabre part	Wattage
Headlamps	219035	60/65
Front side lamps	17148	5
Front indicators	17721	21
Front driving lamps	210177	55
Rear side/stop lamps	17713	5/21
Reversing lamps	17721	21
Rear fog lamps	17721	21
Number plate lamps	17110	4
Side repeater lamp	223997	5
Boot lamp	17110	4
Interior lamps	221611	1

Routine Care and Maintenance



Headlamps

To replace a headlamp bulb

1. Switch the ignition on and raise the headlamp (1).
2. Disconnect the battery. The headlamp will then stay in the raised position.
3. Remove three screws (2) detach the headlamp cover (3) and lift up the polythene protective sheet.
4. Disconnect the plug (4) and remove rubber gaiter (5).
5. Release spring clips (6) and withdraw bulb unit (7) from the headlamp reflector.

CAUTION:- Hold the new bulb unit with a clean cloth to prevent finger contact with the glass.

If the bulb has been touched it should be wiped clean with methylated spirits.

7. Refit spring clips, rubber gaiter, wiring plug and fold back polythene protective sheet.

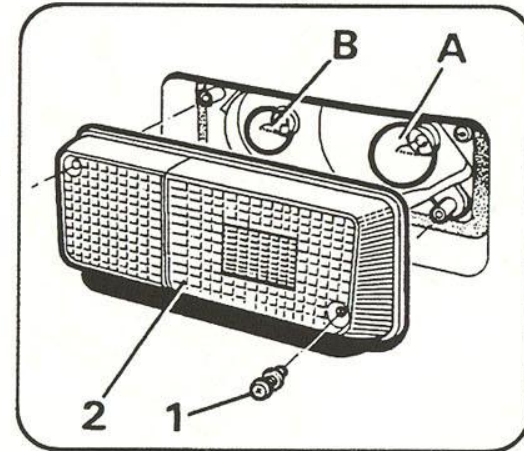
8. Refit headlamp cover, reconnect battery and check operation of new headlamp bulb.

9. Lower headlamps and switch off ignition.

Headlamp Adjustment

1. Raise headlamps and set on main beam.
2. Lateral adjustment is made with the lower screws (8), vertical adjustment by the top screw (9).
3. After making adjustments yourself, have the beam adjustments checked by your Scimitar Sabre Dealer who will have special beam setting equipment.

WARNING:- To correct headlamp alignment is a legal requirement. Professional advice should be sought if necessary



Front Indicator/Side Lamps

To replace a bulb

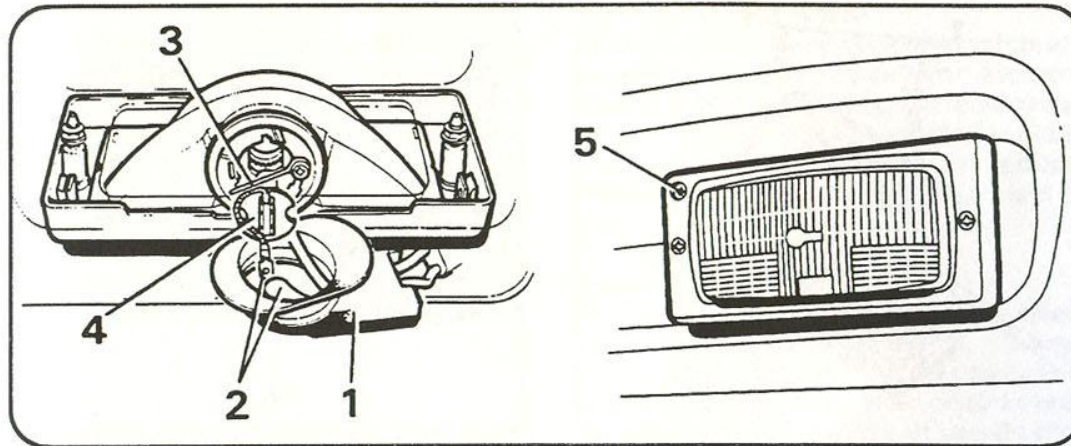
1. Remove two retaining screws (1) and withdraw indicator/side lamp lens (2).

2. Replace relevant bulb.

A. Front Indicator
B. Side Lamp

3. Refit indicator/side lamp lens.

Routine Care and Maintenance



Auxiliary Diving Lamp

To replace a bulb

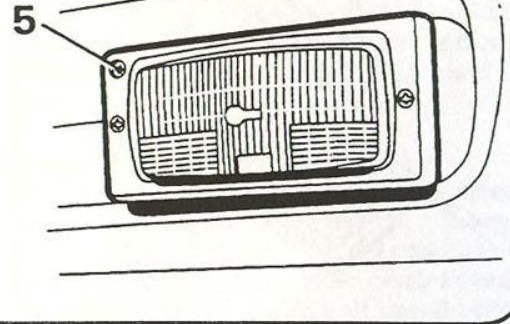
1. From underneath the front of the vehicle remove the protective rubber gaiter (1) fitted to the base of the driving lamp.

2. Disconnect the wiring connector (2) from the driving lamp bulb unit.

3. Release the spring clip (3) and withdraw the bulb unit (4) from the driving lamp reflector.

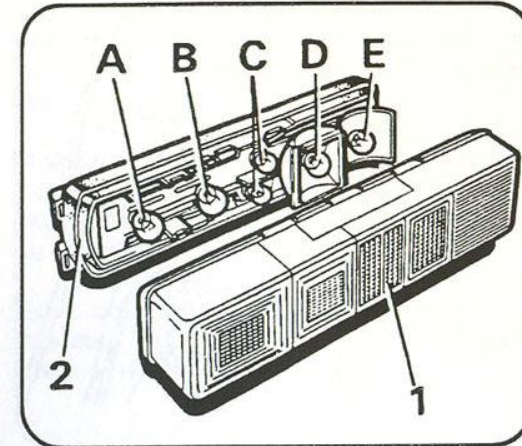
CAUTION:- Hold the new bulb unit with a clean cloth to prevent finger contact with the bulb glass.

If the bulb has been touched it should be wiped clean with methylated spirits.



7. Refit new bulb, retain with spring clip and reconnect wiring lead.

8. Refit protective rubber gaiter, ensuring it is stretched completely over the bulb holder base.



Rear lights

To replace a bulb

1. From inside the luggage compartment release the retaining screws securing the rear lamp assembly.

2. Withdraw the lens cover from the rubber moulding.

3. Renew relevant bulb.

A. Direction indicator.

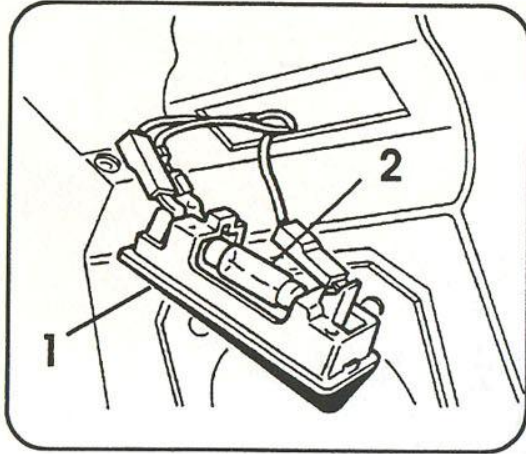
B. Stop/tail light.

C. Reversing light.

D. Rear fog lamp.

4. Refit the lens cover, pressing firmly into the rubber surround ensuring that the lens is securely retained.

Routine Care and Maintenance



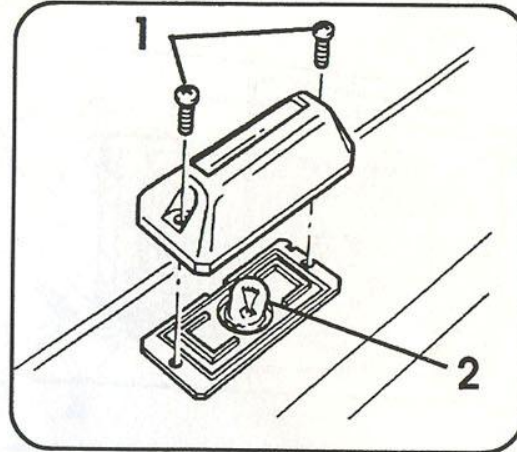
Interior Lamp

To remove a bulb

1. Carefully prise the interior lamp unit (1) from its location under the fascia.
2. Renew bulb (2).
3. Press interior lamp unit back into fascia panel.

Instrument Panel Illumination Bulbs

The instrument panel illumination bulbs part numbers and types are shown in the bulb chart. However, if replacements of any of these bulbs becomes necessary, we recommend that the work be entrusted to your Scimitar Sabre Dealer.



Luggage Compartment Lamp

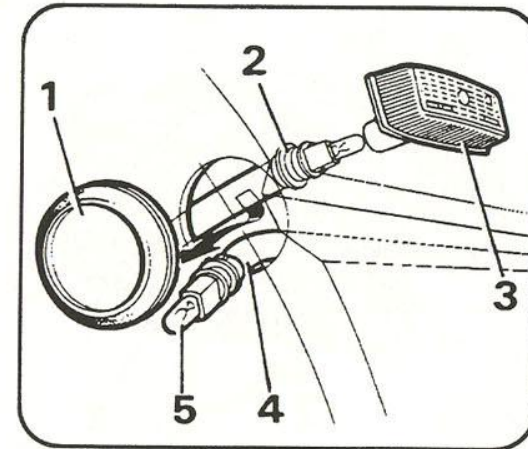
To remove a bulb

1. Remove two retaining screws (1) and withdraw boot lamp cover (2).
2. Renew bulb (3).
3. Refit lamp cover (2).

Number Plate Lamp

To replace Bulb

1. Remove two retaining screws and withdraw number plate lamp cover.
2. Renew bulb.
3. Refit lamp cover.



Side Repeater lamp

To remove a bulb

1. Prise the rubber access grommet (1) from the front wheel arch
2. Using long nosed pliers, rotate the bulb holder (2) through 90° and withdraw from the repeater lamp (3)
3. Pull the harness (4) through the access hole and remove the bulb (5) from it's holder.
4. Replace in reverse and ensure the rubber access grommet is fitted correctly to prevent access of water etc.

General Information

BODYWORK

The bodywork of the Scimitar Sabre is made entirely of glass reinforced plastic, which is an inert material completely impervious to rust corrosion. It is highly resistant to damage and upon impact may crack or shatter but the section will retain its original shape. The repair procedure for small areas of damage is quite simple and can often be undertaken by an owner. However major damage should always be entrusted to your Scimitar Sabre dealer.

PAINT

The Scimitar Sabre is finished with a two pack acrylic paint, cellulose aerosol sprays should not be used to make local repairs.

CLEANING

Wash frequently with cold or luke warm water. Never use household soap or detergent, though you can use vehicle shampoos which, will be helpful in removing traffic film. Wash off the dirt with a sponge, using plenty of water, rinse then dry off with a clean chamois leather.

When using a hose avoid directing at full force against paintwork because of the chafing action this may cause. For the occasional more thorough cleaning after washing, the vehicle should be polished with a non abrasive vehicle polish. Use a soft rag dipped in petrol to remove greasy stains on panels.

Windscreen/Rear Screen

When cleaning the windscreen/rear screen, hinge the wiper blade away from the screen. Washing and polishing gents containing silicone should not be applied to the glass. They will cause smears which reduce visibility, particularly during darkness and in rain.

Exterior Mirrors

To prevent scratches care should be taken when cleaning exterior mirrors. Always soften dirt and mud with soapy water before washing mirror surfaces. Wash off all dirt and mud before polishing mirror with a soft cloth. Never use abrasive cleaning components. Remove frost and ice with a plastic scraper, never use a metal scraper.

Upholstery and Trim

Use a vacuum cleaner where possible to remove dust and dirt from the vehicle interior. Stains are best removed with upholstery cleaner but a clean sponge dipped in a soap solution can also be affective. Do not soak the fabric. Work from well outside the stain towards the centre to avoid patches. Sponge with clean water and dry with a clean cloth. When dry vacuum or brush.

Wipe fascia, instruments and interior surfaces with a damp cloth only. Wax or other polish should not be used inside the vehicle.

CLEANING INSTRUCTIONS

The soft top hood should be washed with the same regularity as the rest of the vehicle body.

Volatile and other clear cleaners, petrol or household cleaning and bleaching agents should never be used. Do not use detergent or wax polish.

Extra care must be taken when cleaning the rear window panel for scratches and creases will impair the drivers vision.

Technical Specification Data

Engine

Four cylinder, in line, water cooled, four stroke, naturally aspirated petrol engine with aluminium cylinder block and head, with double overhead camshafts and hydraulic tappets operating sixteen valves.

Swept volume	1398 cc
Compression ratio	10.0:1
Bore	75.0mm (2.95 in)
Stroke	79.0mm (3.11 in)
Power	76kw (103HBP)@6000 rpm
Torque	127NM(95lb.ft)@5000 rpm

Cooling System

Pressurised radiator with thermostatic controlled electric cooling fan, expansion tank and integrated water pump.

Lubrication System

Crankshaft driven gear type pump with relief valve.

Oil filter - Full flow spin on cartridge.

Electrical System

12 volt negative earth.

Battery type - Maintenance free, sealed for life

Ignition system

Electronic (M.E.M.S.)

Ignition timing - 10° before T.D.C. +/-5°

Firing order - 1,3,4,2.

Spark plug type - UNIPART GSP6662

Spark plug gap - 0.85mm

Air filter

Paper element type.

Fuel system

Multi-point programmed fuel injection system with automatic fuel enrichment for cold starting.

Fuel pump - Chassis mounted 12 volt fuel pump.

Fuel cut-off device - Inertia switch type, mounted in the engine compartment on rear bulkhead.
PRESS TO RE-SET.

Clutch

Cable operated, diaphragm type.

Gearbox

Five speed, full synchromesh on all forward ratios.

Gear ratios

1st	3.36:1
2nd	1.81:1
3rd	1.26:1
4th	1.00:1
5th	0.83:1
reverse	3.37:1

Differential

Hypoid bevel differential unit.

Differential ratio 3.92:1

Suspension

Front: independent with double wishbone, coil spring, shock absorber and anti-roll bar.

Rear: independent with trailing arm, coil springs, shock absorbers and anti-roll bar

Steering

Rack and pinion type with energy absorbing linkage between the steering rack and steering column.

Technical Specification Data

General Dimensions

Metric	Imperial	
O/A length	3835mm	151 in
O/A height, soft top (unladen)	1250mm	49.1/4 in
O/A height, hard top (unladen)	1241mm	48.7/8 in
O/A width, including mirrors	1780mm	70 in
Ground clearance (laden)	105mm	4.1/2 in
Track front	1300mm	51.1/4 in
Track rear	1320mm	52 in
Wheelbase	2130mm	84 in
Turning circle	9.1mtrs	30 ft

Interior		
Luggage capacity	0.2m ³	6.7ft ³

General Weights		
Unladen	950kg	2094lbs
Max' towing	750kg	1653lbs

Capacities

	Metric	Imperial	Specifications
Fuel tank	45.5 litres	10 gall	UNLEADED Petrol, 95 RON MINIMUM
Engine sump	4.5 litres	1 gall	SAE 10W/40 multigrade motor oil
Difference between MIN and MAX dipstick marks	1.0 litre	2 pints	
Gearbox	3.5 litre	0.75 gall	EP80
Differential	0.9 litre	1.5 pints	EP90
Cooling system	5 litre	1 gall	
Antifreeze			Ethylene Glycol based anti-freeze containing no methanol and with non-phosphate corrosion inhibitors which meets specification BS6580 and BS5117
Wheel Size			7Jx15
Tyre Size			195x50R.15

Index

REFERENCE	Page		
Accelerator	16	Gearbox oil level	30
Air cleaner element	34	Gear change lever	14
Air distribution lever	12	Glove/cassette compartment	16
Alternator drive belt	32	Handbrake	14
Anti-freeze	41	Hardtop	21
Ash tray	13	Hazard warning switch	11
Auxiliary driving lamp	37	Headlamps	36
Auxiliary driving lamp switch	11	Headlamp adjustment	36
Battery	35	Headlamp flash switch	9
Brake fluid level	31	Headlamp lift motor overload switch	10
Brake pedal	16	Headlamp lift motor manual control	10
Brake warning indicator	7	Head restraints	17
Bulb chart	35	Heated rear window switch	11
Capacities and fluid specifications	41	Heater controls	12
Catalytic convertor	34	Heater blower control	12
Changing a wheel	24	Horn push	9
Cigar lighter	13	Identification	3
Clutch adjustment	33	Ignition switch/steering column lock	8
Clutch pedal	16	Ignition warning light	7
Cooling system	31	Interior lamp	10
Digital clock	13	Interior lamp switch	10
Dipswitch	9	Jacking positions	24
Direction indicator lamps	36	Lubricants	41
Direction indicator warning lights	7	Luggage compartment lock	15
Doors and locks	15	Main beam warning light	7
Electrically operated door mirrors	16	Main beam switch	9
Electrically operated window switch	10	Main light/headlamp lift motor switch	9
Engine oil	41	Number plate lamp	38
Engine oil dipstick	29	Oil pressure warning light	7
Front indicator/side lamps	36	Rear axle oil level	30
Fuel gauge	6	Rear fog guard lamps	37
Fuel filler cap	17	Rear fog guard lamp switch	11
Fuses and relays	26	Rear lights	37
		Reversing light	37
		Rear view mirror	17
		Running in	22
		Seat adjustment	18
		Seat belts	18
		Service schedule	28
		Side and fascia vents	13
		Soft top hood	19
		Spare wheel	24
		Sparking plugs	40
		Speedometer	6
		Speedometer trip setting	6
		Stop tail lamps	37
		Tachometer	6
		Temperature gauge	6
		Temperature control lever	12
		Towing	25
		Tyres	41
		Tyre pressures	44
		Vehicle identification	3
		Warning lights	7
		Wheels and wheel nuts	41
		Windscreen washer jet	33
		Windscreen washer reservoir	33
		Windscreen wiper blades	33
		Windscreen wiper/washer switch	9
		Your Scimitar Sabre Dealer	3

FILLING STATION INFORMATION

Fuel Type :-	UNLEADED petrol, 95 RON MINIMUM.
Fuel Tank Capacity :-	45.5 litres (10 gallons).
Engine Oil Type :-	SAE 10W/40 multigrade motor oil.
Engine Sump Capacity :-	4.5 litres.
Difference Between the minimum and maximum levels on the dipstick :-	1.0 litre.
Antifreeze Type :-	Ethylene Glycol based anti-freeze containing no methanol and with non-phosphate corrosion inhibitors which meets specification BS6580 and BS5117.
Tyre Pressures :-	Front 22 lbs / in ² Rear 24 lbs / in ²

Scimitar **SABRE**

RELIANT • Tamworth • England

www.sporting-reliants.com

Visit:

www.sporting-reliants.com