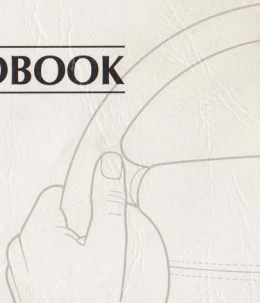




DRIVERS HANDBOOK





BY APPOINTMENT TO
HER MAJESTY QUEEN ELIZABETH II
MANUFACTURERS OF JAGUAR AND JAGUAR CARS
JAGUAR CARS LIMITED-COVENTRY



BY APPOINTMENT TO
HER MAJESTY QUEEN ELIZABETH
THE QUEEN MOTHER
MANUFACTURERS OF JAGUAR AND JAGUAR CARS
JAGUAR CARS LIMITED-COVENTRY



BY APPOINTMENT TO
HIS ROYAL HIGHNESS THE PRINCE OF WALES
MANUFACTURERS OF JAGUAR AND JAGUAR CARS
JAGUAR CARS LIMITED-COVENTRY

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DRIVERS HANDBOOK

FOREWORD

Jaguar Cars Limited, as manufacturers, are dedicated to the design and production of vehicles which meet the expectations of the world's most discerning purchasers.

To complement the features, systems and technology of your new vehicle we have produced this Driver's Handbook. In it we have undertaken to make the control of complex systems easy to understand and operate.

The Manufacturer reserves the right to vary its specifications with or without notice, and at such times and in such manner as it thinks fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form, electronic, mechanical, photocopying, recording or other means without prior written permission from the Service Division of Jaguar Cars Limited.

The information contained herein applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle owners should consult their Jaguar Dealer.



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SECTION 1

General Information

Details of the vehicle warranty are given in the 'Service Record and Warranty Book'.

Regular maintenance and servicing is the responsibility of the owner. Jaguar Dealers will be pleased to arrange periodic servicing in accordance with the 'Service Record and Warranty Book'.

Regular routine maintenance not only helps to prevent unnecessary 'breakdowns' and inconvenience, but enhances the 'trade in' or resale value of the vehicle.

When left-hand or right-hand is used in the text, this refers to the left-hand side or right-hand side of the vehicle, viewed from the rear.

Take particular note of **WARNINGS** and **Cautions** given throughout this handbook.



WARNING: Procedures which must be followed precisely to help avoid the risk of personal injury.

Caution: Procedures which must be followed precisely to reduce the possibility of damage to the vehicle and resultant risk of personal injury or inconvenience.

Warning symbols on the vehicle

On encountering the warning triangle and open book symbol (e.g. on the underside of the fuse box and protection module lids), it is important that you consult the relevant section of this handbook before touching this part of the vehicle or attempting adjustments of any kind.

Jaguar Driver's Card (United Kingdom only)

When you buy a new Jaguar or Daimler you are automatically registered under the Jaguar Total Care Programme. Jaguar Cars will then forward two Driver's Cards which give details of Emergency Assistance telephone numbers.

The Jaguar Driver's Card is an exclusive item of 'currency' for the owner. Please ensure that it is always kept safe.



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Vehicle Literature Packs

The vehicle literature is located in two separate packs within the vehicle.

Driver's Literature Pack

This pack is to be located in the front passenger's seat back map pocket and comprises the following:

- Driver's Handbook.
- Security System Handbook.
- Sound System Handbook.
- Quick Reference Guide.

Vehicle Care Literature Pack

This pack is located in the luggage compartment and comprises the following:

- Vehicle Care Handbook.
- Service Record and Warranty Book.
- Maintenance Schedule Booklet.

Jaguar Dealers

Jaguar Dealers are chosen with care. Each is dedicated to providing a Sales, Service and Spare Parts facility of the highest standard.

Jaguar Dealers provide full technical back-up from the factory with comprehensive training for all their technicians. All Dealers' workshops operate to a high standard and are equipped with tools and equipment essential to maintain or repair Jaguar vehicles.

Fuel

Refer to Fuel Tank Filling on page 47 of this handbook and also to Fuel Requirements in SECTION 6 of the Vehicle Care Handbook.

Hydraulic Fluids

The Brake Hydraulic Fluid in the master cylinder and brake operating system uses non-mineral polyglycol based brake fluid with a minimum standard of DOT 4. **ONLY FLUID OF THIS TYPE AND STANDARD MAY BE USED.** The master cylinder reservoir is situated on the engine compartment bulkhead adjacent to the pedal box.



WARNING: Contamination by as little as 1 per cent of the brake system fluid will cause rapid deterioration of the system seals. Ensure that the brake fluid reservoir cap is securely fitted.

Electrical Accessories

The fitting of any electrical accessory **should only** be entrusted to a Jaguar Dealer. Refer to the Vehicle Care Handbook, SECTION 7: Electrical Accessories. This information must be observed before fitting any accessories.

Safety Warning and Caution Labels

Note: Do not remove any warning labels from the underbonnet area or inside of the vehicle.

Various warning labels are affixed within the underbonnet area:

Braking System and Clutch System (Where fitted)

The brake fluid caution symbol is moulded into the master cylinder filler cap.

Brake system warning information is moulded into the master cylinder reservoir and states:

WARNING – CLEAN FILLER CAP BEFORE REMOVING. USE ONLY DOT 4 BRAKE FLUID FROM A SEALED CONTAINER.

Power Steering System

The label is located on the reservoir filler cap and states:

WARNING.

Refer to Vehicle Care Handbook for information on topping up the power steering system.

Front Suspension Nuts

A label is located around each front suspension nut and states: CAUTION – DO NOT REMOVE.

To avoid possible injury, do not attempt to loosen these nuts. This operation requires specialist equipment and should only be entrusted to a Jaguar Dealer. Further details are provided in the Service Manual.



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INTRODUCTION

Cooling System

The header tank label is located on the filler cap and states:
WARNING – DO NOT OPEN WHEN HOT.



A label is located on the fan shroud and states:
WARNING – ROTATING COMPONENTS – KEEP CLEAR.



Safety Precautions



WARNING:

1. Many liquids and other substances used in motor vehicles are poisonous and should under no circumstances be consumed and so far as possible be kept away from open wounds. These substances among others include anti-freeze, brake fluid, fuel, windscreen washer additives, lubricants and various adhesives.
2. The presence of any unusual fumes (e.g. petrol or exhaust fumes) in the passenger compartment and/or luggage compartment should be corrected immediately by a Jaguar Dealer. If you must drive under these conditions do so only with all windows fully open.
3. Any modifications/additions to the fuel system not specifically designed for this Jaguar are prohibited. If done they may cause damage to the fuel system which in some circumstances could result in a fire. It is recommended that all service actions are entrusted to a Jaguar Dealer.
4. Any alteration to the electrical system, including the fitting of accessories not specifically designed for this Jaguar will cause damage to the electrical circuits and systems of the vehicle, in some circumstances this could result in a fire. It is recommended that all such work be entrusted to a Jaguar Dealer.
5. No attempt should be made to repair a fuse that has blown; this may cause a fire hazard or serious damage elsewhere in the electrical circuit.
6. Do not install a fuse that exceeds the amperage for each location listed on the fuse charts (see Vehicle Care Handbook), the electrical circuits may become overloaded with the subsequent possibility of a fire.

Vehicle Security

When leaving the vehicle unoccupied remember the following:

- Use the vehicle security system, if fitted, even for short periods.
- Remove the ignition key and spare keys – even when the vehicle is in your garage.
- Apply the handbrake and on vehicles with automatic transmission move the gear selector lever to position 'P'.
- Close all windows and lock all doors securely.
- Park the vehicle where it can be seen. At night, park in a well-lit area.
- Do not leave children and/or pets in the vehicle unattended.
- Do not leave luggage, valuables, or any articles on view. Always take your valuables with you or lock them in the luggage compartment.
- Vehicle documents or a note of the key numbers should never be left in the vehicle.

Vehicle Security Features

Vehicle security features are detailed in the handbook and Security System Handbook as follows:

- Bonnet release control (page 12).
- Keys (page 14).
- Security system (see Security System Handbook).

- Door locking system (see page 14 and the Security System Handbook).
- Luggage compartment (page 16).
- Ignition/Starter switch and steering lock (page 44).
- Fuel filler flap (page 46).

Vehicle Security System

The Jaguar anti-theft alarm system is fitted as standard in the United Kingdom and European markets, and is an optional feature for certain Overseas markets. For further details on the security system contact your Jaguar Dealer. Refer to the Security System Handbook for detailed operating instructions.

Window Marking

A worthwhile security precaution is to have the vehicle registration number etched into each window glass by a Jaguar Dealer.

Locking Wheel Nuts

Locking wheel nuts are available, as accessories, for vehicles with alloy wheels.

After fitting, wheel re-balancing may be necessary and subsequently the locking nut must always be fitted in the same position.

JAGUAR CARS LTD

A	kg
B	kg
C	kg
D	kg
PART NO. (UK) (221)	
PANT	TRIM

- A – Gross vehicle weight.
 B – * Gross combination weight.
 C – Max. permitted front axle loading.
 D – Max. permitted rear axle loading.
- * Gross combination weight is the gross vehicle weight plus maximum trailer weight.

Vehicle Identification Label

It is essential that the Vehicle Identification Number is quoted in all correspondence and when ordering parts.

This number is on a label adhered either to the left-hand front door centre post or located in the left-hand side of the engine compartment. The number is also on a plate visible through the windscreen.

Certain vehicles supplied in Taiwan may have the label adhered to the left-hand front door shut face below the door lock assembly.

Date of Manufacture Information (Australia only)

Date of manufacture hereinafter called the 'Built Date' is the calendar month and year in which the body shell and power train sub-assemblies are conjoined and the vehicle is driven from the production line.

The vehicle has its 'Built Date' displayed on a metal plate located in the engine compartment.

Engine Number

3.2 and 4.0 litre: Stamped on the right-hand side of the cylinder block by the engine position sensor.

6.0 litre V12: Stamped on top of the cylinder block at the rear of the engine.

Automatic Transmission Number

On a metal label or bar code label (where fitted) attached to the automatic transmission casing.

Manual Gearbox Number – 3.2 and 4.0 litre (Where fitted)

Stamped on the front left-hand underside of the gearbox.

INTRODUCTION

Regular Checks

In the interests of safety and reliability, it is advisable to carry out the following checks at intervals suggested, and always before starting on a long journey.

Refer to Regular Checks in SECTION 3 of the Vehicle Care Handbook.

Each Day

Check that there is sufficient fuel for the journey intended, particularly at night and before entering motorways.

Weekly

Tyres – Check the tyres, including the spare, for condition and pressure. See SECTION 6 of the Vehicle Care Handbook for the recommended tyre pressures.

Lights – Check that all exterior lights and direction indicators function correctly and that the lenses are clean.

If any of the high mounted stop lamp bulbs (where fitted) have failed they must be replaced to ensure that the correct lamp intensity is maintained.

Engine Oil – With the vehicle standing on level ground, check the oil level and top up if necessary with oil of the correct grade.

Engine Coolant – With the engine cold, check the level of the coolant in the engine header tank. Any loss of fluid must be investigated and reported to a Jaguar Dealer for rectification.

Brake Fluid – Check the level of the fluid in the brake master cylinder. Top up if necessary with new, unused approved brake fluid.

The brake fluid reservoir is initially nearly full, but the level will drop as the brake pads wear. If the level appears exceptionally low, location of the fluid leakage **must** be found and reported to the nearest Jaguar Dealer.

Clutch Fluid – Check the level of the fluid in the clutch master cylinder (where fitted). Top up if necessary with new, unused approved brake/clutch fluid.

Power Steering Fluid – With the engine cold check the level of the fluid in the power steering fluid reservoir. Top up if necessary with fluid of the correct specification. Any loss of fluid should be investigated and reported to a Jaguar Dealer for rectification.

Monthly

Windscreen Washer – Top up with recommended windscreen washer fluid and clean soft water. Check the operation of the washer. Use recommended additives to prevent freezing, i.e. Jaguar Windscreen Washer Fluid.

Bonnet Release Control

The bonnet lock release control is below the fascia on the driver's side of the vehicle.

To open: Release the bonnet lock by pulling the lever. Lift the rear edge of the bonnet. The gas filled struts will assist raising the bonnet, and retain it in the fully open position.



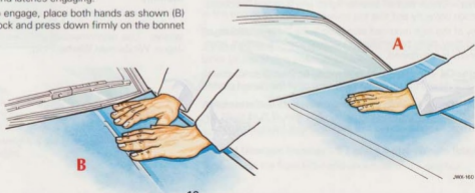
WARNING: Before closing the bonnet ensure that no one is obstructing the closing area and that hands and clothes are clear. Remove tools, cleaning cloths, etc. from the engine compartment.

To close: Close the bonnet to within a distance of 250 to 300 mm (10 to 12 inches) of the fully closed position. Place the left hand on the bonnet as shown (A). Then using a constant downwards force, slam the bonnet shut. This action should result in both the right-hand and left-hand latches engaging.

Should one lock fail to engage, place both hands as shown (B) above the unlatched lock and press down firmly on the bonnet until it engages.



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SECTION 2

Key Identification

Key numbers are recorded on plastic tags which are attached to each key. These numbered tags must be detached and kept in a secure place so that correct replacement keys can be obtained.

A set of three keys are supplied with the vehicle; two black headed keys (one as a spare) and one green headed key.

The black headed key will lock and unlock the steering column lock/ignition switch, all doors and luggage compartment.

The green headed key is a 'valet' key and must only be used when the vehicle is to be driven and parked by an attendant, whilst the luggage compartment remains locked (see page 15).

Key Replacement

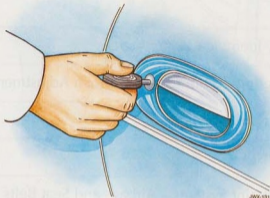
Jaguar keys are unique and replacements can only be obtained from your Jaguar Dealer. Proof of vehicle ownership will be required before new keys are issued (see the Security System Handbook for further details).

Door Locking System (Black headed key)

The system enables the doors, luggage compartment and fuel filler flap to be locked or unlocked simultaneously by operating either of the front door locks.

Further detailed information about locking and unlocking doors in conjunction with the Security Alarm System is in the Security System Handbook.

Caution: Do not use a proprietary lock de-icer in the keyhole should the door lock become frozen. Refer to SECTION 7: Winter Driving.

**Exterior Operation**

To lock: Ensure that the fuel filler flap, luggage compartment and all doors are closed. Insert the key into either front door lock and turn towards the front of the vehicle and release.

Holding the key turned in the 'lock' position will close all the windows and sunroof (where fitted).



WARNING: When using the 'all close' feature ensure that all occupants are kept clear of the windows and sunroof aperture.

Door Locking System (Black headed key – continued)

To unlock: Insert the key into either front door lock and turn towards the rear of the vehicle and release. All doors, fuel filler flap and the luggage compartment will unlock, except where the luggage compartment has been isolated with the valet switch. The interior lights are turned on for 15 seconds.

If the luggage compartment has been isolated, it will remain locked. Full details of luggage compartment locking is on page 16.

Deadlocking (Not available in Japan)

In addition to the normal locking procedures, the doors can be deadlocked. Detailed information on this feature is in the Security System Handbook.

Interior Door Lock Operation

To lock: Press down the door locking button.

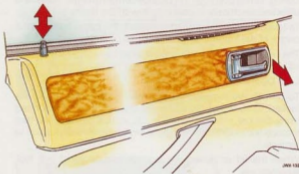
To unlock: Pull the door release lever.

The luggage compartment and all doors can be locked simultaneously by pressing down either front door locking button when all doors are closed.

The rear doors can be locked independently by pressing down the rear door locking buttons and unlocked by operating the door release levers.

With the doors locked, operation of the release levers on either front door first unlocks the door (and all other doors via the Central Locking System – see page 18), then unlatches that door.

Each rear door will unlock and then unlatch individually by operation of the door release levers.



Door Locking System (Green headed key)

Before locking the vehicle and handing the green headed 'valet' key to a parking attendant, press the valet switch in the centre console storage compartment to inhibit the luggage compartment remote release switch. The vehicle can then be driven and parked by an attendant who can lock the vehicle after parking, but cannot open the luggage compartment. The luggage compartment can then only be opened with the black headed key or by using the key-ring transmitter.

Luggage Compartment

During normal operation the luggage compartment is locked and unlocked electrically in conjunction with the doors.

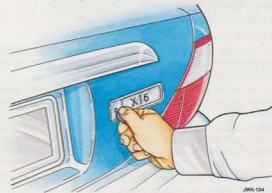
To open the luggage compartment press the badge button in the centre of the luggage compartment lid.

The luggage compartment is illuminated by two lights when the lid is raised.

Lock Operation

To unlock the luggage compartment when the doors are locked: Ensure security system is disarmed before unlocking using the key. Insert the key in the vertical position and turn through 90° clockwise. Return the key to the vertical position to remove.

When the lid is closed the luggage compartment will lock automatically.



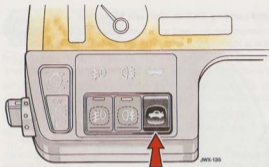
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Luggage Compartment Remote Release Switch

This remote release switch is on the left-hand side of the fascia switch pack.

To operate: Press and release the switch to open the luggage compartment lid.

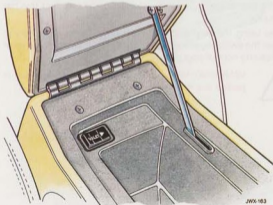
Note: The switch will not operate if the vehicle speed is more than 8 km/h (5 mph).



Luggage Compartment Remote Release 'Valet' Switch

The 'valet' switch is inside the centre console storage compartment and is used to inhibit the remote release switch to ensure the security of the luggage compartment.

When the 'valet' switch is pressed, the luggage compartment locks and can then only be unlocked with the black headed key or by using the key-ring transmitter.



Central Locking Switch (Console Mounted)

This switch can be used to prevent uninvited entry when the vehicle is stationary, e.g. at road junctions or traffic lights.

With the ignition switch in either position 'I' or 'II', one press of the switch will lock all the doors and the luggage compartment.

Press and hold the switch for three seconds to close all the windows and sunroof (where fitted).



WARNING: Ensure that all occupants are clear of any open windows and sunroof aperture.

If the central locking switch is pressed when the ignition switch is not in position 'I' or 'II', the security system's tilt and intrusion sensors, if fitted, will not operate for one arming period. The light in the central locking switch will flash to indicate that this has occurred.

After using the central locking switch, it will be necessary to press the switch again or pull the front door interior release lever to resume normal operation.



WARNING: When the interior door release lever is pulled the door will unlatch.



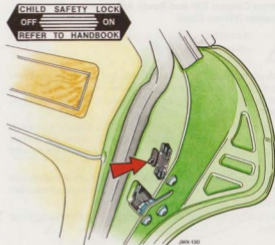
JW05-133

Child Safety Locks

Child safety locks are fitted to the rear doors.

To operate: Open the door and move the lever up (Australian market – see label adjacent to lever on the door). This immobilises the interior handle. The door can only be opened using the exterior door handle.

To cancel the facility: Open the door and move the lever down (Australian market – see label adjacent to lever on the door).



Steering Column Tilt and Reach Adjustment – Manual Operation (Where fitted)



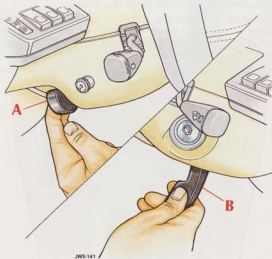
WARNING: Do not adjust the steering column whilst driving.

To adjust tilt: Hold the steering wheel, pull the release lever (A) towards the wheel and hold. Move the steering wheel up or down as required, then release the lever to lock the column in position.

The tilt adjustment includes a non-latching entry/exit position that allows the column to be tilted upwards above the normal driving range. The vehicle must not be driven with the column in this position.

To adjust reach: Hold the steering wheel, pull down the release lever (B). Move the steering wheel in or out as required, then raise the lever to lock the column in position.

After adjusting for reach, ensure that the column has locked into position.



Steering Column Tilt and Reach Adjustment – Electrical Operation (Where fitted)



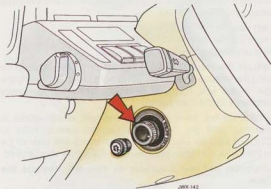
WARNING: Do not adjust the steering column whilst driving.

The steering column can be adjusted for tilt and reach by operating the control switch on the left-hand side of the steering column. This control switch has a dual function:

1. As an on/off switch for Entry/Exit Mode; position 'AUTO' for ON and position 'OFF' to cancel Entry/Exit Mode.
2. As a toggle switch to control steering column tilt and reach adjustment.

To adjust tilt: Push the switch up to raise the steering column, and down to lower the steering column.

To adjust reach: Push the switch forwards to move the steering wheel in, and backwards to move the steering wheel out.



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Door Rear View Mirrors

These should be adjusted to provide an area of vision which slightly overlaps that of the interior rear view mirror.

Both door mirrors are adjusted from the driver's door armrest switch pack using the four-way toggle switch (A) and the three position selector switch (B).

Far left position for the left-hand mirror.

Far right for the right-hand mirror.

Centre position inhibits the toggle switch.

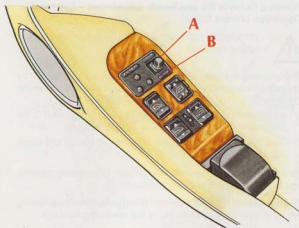
To adjust the mirrors: Select the mirror to be adjusted by moving the selector switch fully left or right. Then by moving the toggle switch left, right, up or down, make the necessary adjustments to the mirror angle.

The door mirrors have a heating element which works in conjunction with the heated rear screen switch, refer to SECTION 6: Climate Control. The mirror heater will clear all ice from the mirror's surface, but a de-icing spray may also be used.

Caution: Do not use a scraper as this will damage the surface.

To clean the mirror face use a soft damp cloth.

Each mirror housing is designed to pivot rearwards against the vehicle body. To return the mirror to its normal position, rotate the housing until it locks into place.



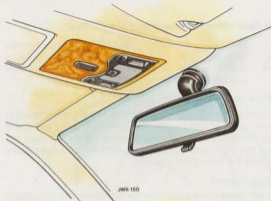
Door Mirror Dipping – Reversing (Vehicles with driving position memory function)

To give the driver a clear view of the kerb when reversing, the passenger's door mirror will tilt down when reverse gear is selected and the mirror switch is moved downwards with the selector positioned to the left or right. This dipped position holds until reverse gear is deselected or by operating the mirror switch upwards, the mirror then returns to its original position.

Interior rear View Mirror (Manual Dip) (Where fitted)

The interior rear view mirror is adjustable for driver rear vision. It can be 'dipped' to prevent reflected glare from the headlamps of a following vehicle by pulling the tab below the mirror. Push the tab to return to normal setting.

The mirror is mounted on a 'break-away' support stem for personal safety. Should the mirror's stem become dislodged from the windscreen bracket, and is undamaged, it can be relocated in the bracket by engaging the foot over the button and turning anti-clockwise.

**Interior Rear View Mirror (Electrochromic) (Where fitted)**

The Electrochromic interior rear view mirror is manually adjustable for driver rear vision. It also has an automatic dimming capability; when exposed to headlamp glare from a following vehicle the mirror will darken, only clearing when the reflected glare diminishes.

The level of glare needed to start the mirror darkening can be selected by moving the slider control between the 'OFF' and 'MAX' positions.

The Electrochromic mirror will also clear when reverse gear is selected.

The mirror is mounted on a 'break-away' support stem for personal safety. Should the mirror's stem become dislodged from the windscreen bracket, and is undamaged, it can be relocated in the bracket by engaging the foot over the button and turning anti-clockwise.



Front Seat – Manual Adjustment (Where fitted)

WARNING: Make all required seat adjustments before starting the vehicle. Front seat occupants should not ride in a moving vehicle with the seat squab reclined.

Forward and Rearward

Each front seat can be adjusted forwards and rearwards by lifting the locking bar, situated below the front of the seat cushion and sliding the seat to the required position. After releasing the locking bar, slight additional seat movement may be necessary to engage the locking mechanism.

Lumbar Support

The front squabs are adjustable for optimum lumbar support; rotate the hand wheel (A) until the desired support is achieved.

Back Adjustment

To alter the angle of the front seat squab, lean forward slightly to relieve body pressure from the seat back and rotate the hand wheel (B) in the required direction.



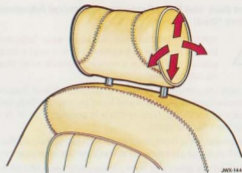
Head Restraints Adjustment (Manual Adjustment Front Seats)

Adjustable head restraints are fitted to each front seat, they are adjustable for height in eight positions. The front seat head restraints can be tilted through 45°.

To raise: Lift the head restraint upwards to the desired height, the two stems will engage on one of eight positions.

To lower: Reverse the above procedure.

To tilt: Push the head restraint backwards or pull forwards into the desired position.



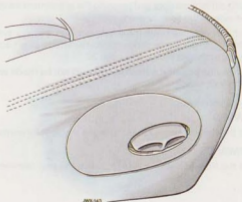
JWS-144

Electrical Height Adjustment (Manual Adjustment Front Seats - Where fitted)

The front seats can be adjusted for height. This is controlled by a switch located on the side of the seat cushion.

This function only operates when the ignition switch is in position 'I' or 'II'.

Press the upper area of the switch to raise the seat and the lower area of the switch to lower the seat.



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Front Seat and Head Restraints – Electrical Adjustment

(Where fitted)



WARNING: Make all required seat adjustments before starting the vehicle. Front seat occupants should not ride in a moving vehicle with the seat squab reclined.

The seat adjustment switches are multi-functional; they control the movement of the seats and head restraints. They will only operate when the ignition switch is in position 'I' or 'II' or when either front door is open.

Adjustment of the front seats and head restraints is via the three multi-functional switches on the side of the seat cushion.

If required the driver's or front passenger's seats and both head restraints may be repositioned before entering the vehicle by opening either front door and pressing the adjustment switches on the side of the seat cushion.

On vehicles equipped with the driving position memory system the driver's seat may be repositioned rearwards to aid access using the entry/exit mode, see page 29.

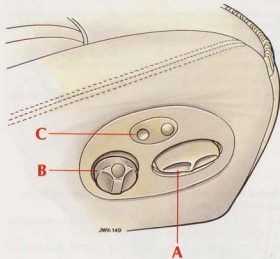
Note: Driving position adjustments must not be made whilst in entry/exit mode.

Seat Adjustment**FORWARD**

Press the rear of the switch (A) to move the seat forwards.

REARWARD

Press the front of the switch (A) to move the seat rearwards.



Seat Adjustment (continued)

RAISE AND LOWER THE FRONT OF THE SEAT CUSHION

Press the front upper area of the switch (A) to lower and the front lower area of the switch to raise.

RAISE AND LOWER THE REAR OF THE SEAT CUSHION

Press the rear upper area of the switch (A) to lower and the rear lower area of the switch to raise.

RECLINE AND RAISE THE SEAT SQUAB

Press the front area of the switch (B) to recline and the rear area of the switch to raise.

Head Restraints Adjustment

The front seat head restraints can be tilted through 45°.

To tilt: Push the head restraint backwards or pull forwards into the desired position.

RAISE AND LOWER THE HEAD RESTRAINT

Press the upper area of the switch (B) to lower and the lower area of the switch to raise.

Seat Lumbar Support

Each front seat has an adjustable lumbar support in the centre of the seat squab. This is controlled by a switch (C) on the side of the seat cushion.

Press the front area of the switch to increase the lumbar support and the rear area of the switch to reduce the lumbar support.

Driving Position Memory System (Where fitted)**Driving Position Manual Adjustment**

Adjustment of the steering column, exterior rear view mirrors and driver's seat are made by operating the appropriate control switches (see pages 21, 22 and 26). Releasing the switch will stop movement in that position.

Conditions for manual adjustment are:

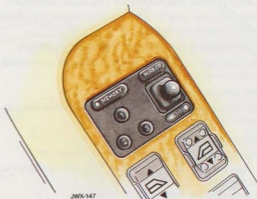
- Driver's door open and within 30 seconds of closing the door.
- Key in ignition switch.

Setting a Driving Position (Memory Set)

The control system can memorise the position of the driver's seat, tilt and reach steering column settings and exterior rear view mirrors. Three different driving position profiles can be entered in the memory.

Storing a driving position in the memory can only be achieved with the key in the ignition switch.

- i. Adjust the seat, steering column and exterior rear view mirrors to the desired position.
- ii. Push the memory button, the light in the button will come on for a four second period, during which time the driving position must be entered.
- iii. Push the '1', '2' or '3' button to memorise the configuration. The memory button light will go out and a 'beep' sound indicates the setting procedure is complete.



By repeating these three steps and using the remaining two buttons, the driving positions for two other drivers can be stored in the memory.

To set a new memorised position, select the desired position and perform steps ii and iii. The previous memory will be erased and the new position will be set.

Entry/Exit Mode – Seat Movement and Steering Column Tilt-away

Entry/exit mode is selected by setting the steering column adjustment switch to the 'AUTO' position, the current position of the steering column and driver's seat then becomes the memorised position.

When the key is removed from the ignition switch or with the key in the ignition switch and the driver's door is opened, the steering column will move to the tilt-away position and the driver's seat will move rearwards.

Note:

1. If the seat driving position is close to the rear stop, the seat will remain stationary.
2. If seat adjustment is made whilst in the entry/exit mode, the entry/exit seat movement will be cancelled, and the revised setting becomes the new driving position.
3. If a driving position memory is recalled during entry/exit mode, the corresponding exit position will automatically adjust.

When the key is inserted in the ignition switch or with the key in the ignition switch the driver's door is closed, the steering column and seat will return to the full driving position.

Note:

1. To stop seat movement during entry/exit mode, press the brake pedal or seat adjustment switches.
2. To stop steering column movement during entry/exit mode, move column control switch in any direction.

When the steering column adjustment switch is set to the 'OFF' position, entry/exit mode will not operate.

Recalling a Memorised Position

Push the appropriate button '1', '2' or '3' for a short time, the driving position will automatically adjust to the position recorded for that button.

Conditions for memorised position activation are:

- Key in ignition switch and gear selector lever (automatic transmission) in 'P' position.
- Key in ignition switch and handbrake on.
- Key out of ignition switch with driver's door open or within 30 seconds of closing the door.

Note:

1. To stop movement of seat and steering column, press the relevant memory button again.
2. To stop steering column movement only, move control switch in any direction.
3. To stop seat movement only, press the brake pedal or seat adjustment switches.

The driving position memory recall cannot be operated while the vehicle is moving.

If the vehicle's battery is disconnected, the memory will not be erased.

Continued

Driving Position Memory System (continued)

Remote Recall of a Memorised Position

The two key-ring transmitters (where available) are interlocked with memorised positions '1' and '2' only.

When the vehicle is unlocked using the key-ring transmitter, the associated driving position will be automatically adjusted to the position memorised.

When the vehicle is unlocked using the key-ring transmitter with seat and steering column in the exit position, the corresponding exit position will automatically adjust. When the key is inserted into the ignition switch, the seat and steering column will move into the full driving position.

Driving Position Memory System Operating Tips

- Three different personal driving positions can be memorised.
- A driving position comprises adjustment and setting of driver's seat including head restraint, steering column tilt and reach and exterior rear view mirrors.
- The two key-ring transmitters supplied with the vehicle are dedicated to memory channel buttons '1' and '2' respectively. Use only transmitter 1 for 'Memory 1' and transmitter 2 for 'Memory 2'. 'Memory 3' cannot be recalled remotely.
- Always memorise the revised driving position in the respective memory channel, otherwise the new position will not be recalled when the vehicle is unlocked using the key-ring transmitter.
- A driving position will only be memorised if the key is in the ignition switch and the memory button light is on (four second period).
- Previous memory is erased when a new driving position is entered.
- When setting a driving position, releasing the relevant function switch stops all movement.
- Memorised driving positions cannot be recalled whilst the vehicle is in motion.

Front Passenger Seat Memory System (Where fitted)

Manual Adjustment

Adjustment of the front passenger seat is made by operating the appropriate control switches (see page 26). Releasing the switch will stop movement in that position.

Conditions for manual adjustment are:

- Key in ignition switch.
- Front passenger door open or within 30 seconds of closing the door.

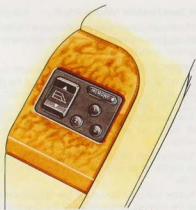
Setting a Memory Position

The control system can memorise the position of the front passenger seat. Three different seat position profiles can be entered in the memory.

Storing a seat position in the memory can only be achieved with the key in the ignition switch.

- Adjust the seat to the desired position.
- Push the memory button, the light in the button will come on for a four second period, during which time the seat position must be entered.
- Push the '1', '2' or '3' button to memorise the configuration. The memory button light will go out and a 'beep' sound indicates the setting procedure is complete.

By repeating these three steps and using the remaining two buttons, the seat positions for two other passengers can be stored in the memory. To set a new memorised position, select the desired position and perform steps ii and iii. The previous memory will be erased and the new position will be set.



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Recalling a Memorised Position

Push the appropriate button '1', '2' or '3' for a short time, the front passenger seat will automatically adjust to the position recorded for that button.

Conditions for memorised position activation are:

- Key in ignition switch.
- Front passenger door open or within 30 seconds of closing the door.

Front Seat Heaters (Where fitted)

Each front seat squab and cushion has a heater controlled by a switch on the centre console. This function only operates when the ignition switch is in position 'II'.

To operate: Press the switch.

A timer in the circuit limits the operation of the heater to 10 – 12 minutes or until the seat reaches the pre-set temperature of 45°C (113°F). When it does, the seat heater will not re-activate until the temperature in the vehicle falls below 30°C (86°F). The switch lights up when the heater is ON and the timer is operating.

The function can be cancelled by either reselecting the seat heater switch or by switching the ignition off for more than 10 seconds.

The heater will only operate if the temperature of the seat is below the pre-set temperature of the thermostat.

To cancel: Press the switch again or switch the ignition off for longer than 10 seconds.

Note: Storage of the vehicle in a heated garage, body heat or warm ambient temperatures may prevent operation of the seat heater.



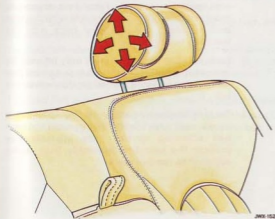
Head Rests (Rear Seats)

Adjustable head rests are fitted to both outer seating positions on the rear seat, they are adjustable for height in eight positions. The head rest can be tilted through 45°.

To raise: Lift the head rest upwards to the desired height, the two stems will engage on one of eight positions.

To lower: Reverse the above procedure.

To tilt: Push the head rest backwards or pull forwards into the desired position.

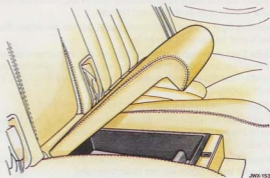


Rear Centre Armrest

Pull the loop firmly on the rear centre armrest to lower. If not required, raise the armrest to its upright position and push firmly home.

Rear Centre Seat Storage Compartment (Where fitted)

On certain models, the rear seat is provided with a storage compartment below the armrest, accessible when the armrest is raised. This storage compartment has a hinged lid which is secured by a magnetic catch.



Restraint Systems – Airbags and Seat Belts

The use of front and rear seat belts is mandatory in most countries.

Using seat belts saves lives, therefore their use is strongly recommended while seats are occupied, at all times.

This vehicle has lap/shoulder inertia type seat belts and a supplementary airbag restraint system for the driver and front passenger seats. The rear seat has lap/shoulder inertia type seat belts for the outer seating positions and the centre position has a static lap type belt.

The inertia operating mechanism of the seat belts allow the wearers to move the upper portion of their bodies to reach various controls. The seat belts will lock automatically with accelerated body movement or in the event of emergency braking.

No adjustment is required as the automatic retraction of the reel retains the harness at the correct tension.

A warning light on the instrument panel comes on when the driver's seat belt is not fastened.

Middle East markets: A warning light on the instrument panel comes on and an audible warning operates for approximately six seconds if the driver's seat belt is not fastened (see SECTION 3: Warning Lights).

Seat belts should not be worn with the straps twisted.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

The use of comfort clips or devices that would create slackness in the seat belt system are not recommended.

The seat belts fitted to the vehicle are also to the specification approved by Australian Design Rules. Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.



WARNING:

- 1. Seat belts are designed to bear upon the bony structure of the body, and must be worn low across the front of the pelvis, or the pelvis, chest and shoulder, as applicable. Wearing the lap section of the belt across the abdominal area must be avoided. Front seat occupants must not ride in a moving vehicle with the seat back reclined. Do not wear belts with the webbing twisted.**
- 2. Each seat belt assembly must only be used by one occupant. It is dangerous to put a seat belt around a child being carried on the occupant's lap.**
- 3. No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating, or prevent the seat belt assembly from being adjusted to remove slack.**

Inertia Reel Mechanism Check

To provide the users with maximum freedom during normal driving conditions, the seat belts are inertia reel type. Hard braking, fast cornering or belt movement locks the belts immediately.

Static test: Whilst seated, fasten the seat belt and grip the shoulder belt at approximately shoulder level with the opposite hand. Pull the belt sharply in a downwards direction, the belt should lock.

Road test: The following road test must be carried out only under maximum safe road conditions.

With the seat belt fitted to the driver and passenger(s) as previously described, drive the vehicle at 8 km/h (5 mph) and, ensuring that it is safe to do so, brake sharply.

The seat belt(s) should lock automatically, holding both driver and passenger(s) securely in position.

It is important when braking that the reactions of both driver and passenger(s) are normal, i.e. the body must not be thrown forward in anticipation, thus causing a 'snatching action of the belt which would operate the locking mechanism'.

If the belt fails to lock on either test, consult a Jaguar Dealer.

Note: If the vehicle is parked on unlevel ground, the seat belt mechanism may lock. This is not a fault, ease the belt from its attachment to fit.

Care of Seat Belts

Avoid contaminating the webbing with polishes, oils and chemicals, and particularly battery acid.

The belts must not be allowed to rub against sharp surfaces on seats or bodywork. Seat belts that have been cut, frayed, damaged or used in vehicles involved in severe accidents must be renewed.

Cleaning

An occasional wipe with a warm soapy sponge will keep the seat belts clean. Do not use bleach or dye, otherwise the efficiency of the seat belts will be affected.

Airbags

In order to provide optimum protection this vehicle is equipped with driver side and passenger side airbags that remotely sense when they are needed. They are supplemental to the seat belts which should be worn by all occupants at all times when the vehicle is in use for maximum protection.

The driver airbag is located in the centre of the steering wheel and the front seat passenger airbag is located in the fascia panel immediately in front of the passenger seat.



WARNING:

- No objects whatsoever should be attached to the centre cover of the steering wheel or the passenger fascia panel.**
- Child seats and passenger airbag: DO NOT install a rearward-facing child seat in the front passenger seat position. If a child seat is required, use only a forward facing child seat with the passenger seat set as far rearwards as practical.**

The airbags are electrically activated and totally self contained within the steering wheel hub and the fascia panel. The whole sequence of events from sensing the impact to full inflation of the bag takes place in a fraction of a second. As the occupant restrained by the seat belt, moves forward the head and chest come into contact with the inflated bag which then deflates in a controlled manner, via vent holes to absorb the remaining energy of the impact.

The airbags are designed to inflate in severe frontal collisions that occur within the shaded area shown. They will not deploy at very low speeds or in side and rear impacts. Protection in these instances is provided by the seat belts. The severity of the collision is a function of the relative speed and weights of the vehicle or objects colliding.

The noise and gas associated with the deployment of the airbag are not injurious to health.

All work on the airbag system, including replacement after deployment and replacement at the end of its service life must be carried out by an authorised Jaguar Dealer.



In the event of the vehicle being scrapped, disposal instructions for the airbag module can be obtained from an authorised Jaguar Dealer. These instructions are also reproduced in the appropriate Service Manual.

Airbag warning information (see illustration) is printed on the driver's and passenger's sunvisor.

Airbag Warning Indicator Light

When the ignition switch is turned to position 'II', the warning light on the instrument panel will come on for approximately five seconds to indicate that the system is functional.

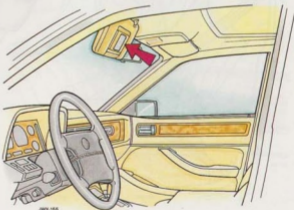
In the unlikely event of the airbag system developing a fault, the instrument panel warning light will illuminate and remain on until the fault has been diagnosed and cleared by a Jaguar Dealer. In conjunction with this, the word 'AIRBAG' will appear on the Odometer/Trip Computer display panel.

If the warning light does not come on, but the word 'AIRBAG' is shown on the Odometer/Trip Computer display panel report the fault to the nearest Jaguar Dealer. It is safe to drive the vehicle, however, in the case of an accident the airbags may not operate.

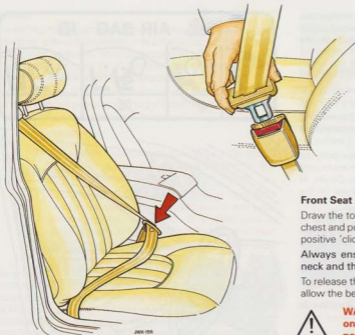
Note: The 'AIRBAG' message can be removed from the display by pressing the 'ODO' button to re-display the odometer, after which trip computer functions can also be selected. It will reappear the next time the ignition is switched 'ON'.



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Front Seat Belts

Draw the tongue of the seat belt over the shoulder, across the chest and push it into the buckle unit slot nearest the wearer. A positive 'click' indicates that it is safely locked.

Always ensure that the webbing is midway between the neck and the edge of the shoulder.

To release the harness, press the button on the buckle unit and allow the belt to retract gently into the reel.



WARNING: Should a 'yellow' warning label appear on the driver's seat belt outboard anchorage or passenger's seat belt buckle, consult your nearest Jaguar Dealer immediately.

Shoulder Height Adjustment



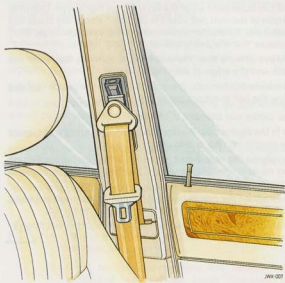
WARNING: Do not adjust the seat belt or anchorage point while driving.

An adjustable anchorage point is provided to ensure that the seat belt webbing can be positioned to pass over the shoulder without pulling against the neck.

To operate: Depress the locking button, and slide the anchorage point up or down to the required position to ensure comfort and safety. Release the button and check to make sure that the anchorage point is locked.

Always ensure that the webbing is midway between the neck and the edge of the shoulder.

Always check the anchorage point after the seat has been adjusted to ensure that the belt is correctly positioned.



2

Rear Seat Belts

The two outer belts are of the lap/shoulder inertia type. Draw the tongue of the seat belt over the shoulder, across the chest and push it into the buckle slot nearest the wearer. A positive 'click' indicates that it is safely locked.

Always ensure that the webbing is midway between the neck and the edge of the shoulder.

To release the harness, press the button on the buckle unit and allow the belt to retract gently into the reel.

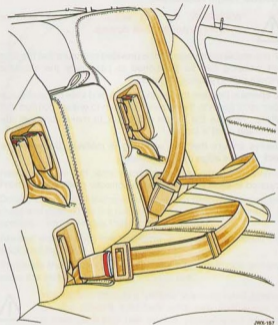
The centre rear seat belt is of the static lap type.

To fit the centre belt: Position the belt over the thighs and insert the tongue into the buckle unit.

To release the centre belt: Press the button on the buckle unit and remove the belt tongue. Stow the belt neatly to avoid damage when not in use.

To lengthen the centre belt: Lift the belt adjuster and pull away from the body until the correct adjustment is obtained.

To shorten the centre belt: Pull the loose end of the belt through the adjuster.



Child Safety

In many countries legislation governs how and where children should be carried when travelling in a vehicle. It is the responsibility of the driver to comply with all regulations in force in the country where the vehicle is being used.

Holding a baby or child in a person's arms is **not** a substitute for a child restraint system.

In an accident a baby or child held in a person's arms can be crushed between the vehicle's interior and an unrestrained person. The child can also be injured by hitting the interior or by being thrown from the vehicle during a sudden manoeuvre or impact.

Injury can also be caused if the baby or child is allowed to ride on the seat unrestrained. Other occupants should also be properly restrained to help reduce the chance of injuring the child.

Do not allow children to stand in the gap between the front seats or on the rear seats.

Child seats and passenger airbag: DO NOT install a rearward-facing child seat in the front passenger seat position. If a child seat is required, use only a forward facing child seat with the passenger seat set in the fully rearward position.

Although United Kingdom legislation permits children to travel in the front passenger seat providing they are properly restrained, Jaguar strongly recommends that at all times, children are carried in the rear passenger compartment.

Children must be restrained by the use of a child safety restraint, applicable to their weight and size and used in conjunction with one of the rear outboard inertia seat belts.

A range of safety restraint devices are available as Jaguar Accessories; consult your Jaguar Dealer for details.

Fitting and use instructions are included in each kit and must be explicitly followed to ensure proper use.

Babies

Babies and small children who cannot sit up by themselves should be carried in an approved baby seat.

Wearing of Child Restraints

Ensure that there is no slack in the webbing and that the restraint fits the child snugly across the rib cage and hips. These are the parts of the body most able to take the force of impact.

The lap strap should pass across the top of the child's thighs, bearing on the pelvis, not the abdominal area.



WARNING:

- 1. Do not try to put an adult seat belt around two children.**
- 2. Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.**

Child Restraint Tether Anchorages (Australia only)

Australian Design Rule 34/01 requires that a child restraint anchorage be fitted for each rear seating position.

The anchorages provided are threaded fastenings located in the rear parcel shelf on the centre-line of each rear seating position and are blanked off with plastic closing plugs. Anchorage point thread form is $\frac{5}{16}$ inch – 18 UNC.

Look for the following when selecting a child restraint system:

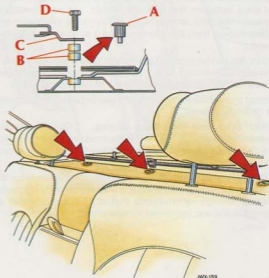
- It should have a label certifying that it meets the applicable Australian Motor Vehicle Safety Standards.
- Carefully read the instructions supplied with the restraint. Be sure you understand them and can install and use the device properly and safely in the vehicle.
- Ensure that the child restraint system is appropriate for the child's weight and development. The label required by the standard or regulations, or instructions for infant restraints, usually provide this information.

Fitment of Tether Anchorages (Australia only)

1. Using the edge of a suitable coin, screw out the plastic closing plug (A) where fitted, from the selected anchorage point.
2. Locate 10 mm and 5 mm spacers (B) as necessary over the threaded anchorage. Position the child restraint upper anchorage fitting (C) over the spacer and insert a $\frac{5}{16}$ inch – 18 UNC x 25 mm hexagon headed bolt (D).

3. Tighten the bolt using an offset ring spanner or a socket wrench, ensuring that the upper anchor fitting projects forward and is in line with the child restraint harness.

Note: Always ensure that child restraint assemblies are fitted in strict accordance with the child restraint manufacturer's instructions.



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Inertia Switch

This vehicle is fitted with an inertia switch, which in the event of an accident will trip, isolating the ignition controlled circuits, including the fuel pump. Simultaneously, the doors will automatically unlock.

Note: The doors will not unlock if the inertia switch is tripped when the ignition switch is OFF.

The inertia switch is located in the right-hand side front footwell behind the footboard carpet. A button on the top of the switch, under a flexible cover will be raised when the switch is activated.

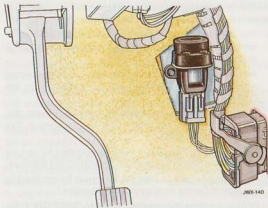
Resetting the switch: Once the switch has been tripped it is necessary to reset it before attempting to restart the engine.



WARNING: To avoid the possibility of fire or personal injury, do not reset the inertia switch if you see or smell fuel.

If no fuel leak is apparent, reset the inertia switch as follows:

1. Turn the ignition switch to OFF.
2. Press down the flexible cover on the top of the inertia switch.
3. Turn the ignition switch to position 'II', pause for a few seconds, then return the key to the OFF position.
4. Make a further check for fuel leaks.



Ignition/Starter Switch and Steering Lock

This switch is on the right-hand side of the steering column. It is operated through four positions by the ignition key.

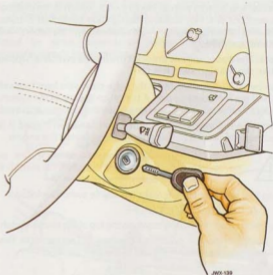
- The only position in which the key can be inserted or removed. When the key is out, the steering lock bolt is engaged.
- I **Auxiliary position:** Certain circuits, i.e. radio, electric windows, can be operated without switching on the ignition.
- II **Ignition position:** All electrical circuits, except the starter motor are actuated. The key remains in this position when driving.
- III **Start position:** The starter motor is operated for as long as the key is held in this position, against spring pressure.
If the engine fails to start the key must be returned to position 'I' before another start is attempted.

Note: Before starting the engine, refer to SECTION 7 for engine starting information relevant to the Anti-lock Braking System.

Gear-shift Interlock (Vehicles with automatic transmission)

A brake pedal/gear-shift interlock system is incorporated in the gear selector mechanism.

For further details refer to SECTION 4: Gear-shift Interlock.



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To Disengage Steering Lock and Start Engine

Insert the key and turn clockwise. If resistance is felt, turn the steering wheel slightly to release the steering lock.

Turn the key to position 'II' to switch on the ignition.



WARNING: Before attempting to start the engine, check handbrake is on and gear selector lever (Automatic Transmission) is in position 'P' or 'N'.

To start the engine, turn the key to position 'III'. When the engine fires, release the key which will return to position 'II'.

Note: Do not depress the accelerator pedal whilst operating the starter motor.

Do not use the starter continuously for longer than six seconds. Wait until the engine stops before re-using the starter.

If the engine persistently fails to start and flooding is suspected, slowly depress the accelerator pedal **fully**, hold it in this position and start the engine. Release the pedal when the engine fires.

If the engine still fails to start, switch off the ignition and investigate the cause. Continued use of the starter will discharge the battery and may also damage the starter mechanism.

If the engine turns but will not fire, the fuel system inertia switch may have tripped, see page 43 for resetting procedure.



WARNING: Never switch off the (ignition) engine whilst the vehicle is in motion as the steering lock may operate.

Due to the installed starter non-repeat feature, the key must be turned to position '0' before attempting to start the engine again.

When the engine starts, check the oil pressure gauge. Do not increase engine speed before pressure registers on the gauge.

The red ignition warning light should go out when the engine is running.

To Stop Engine and Lock Steering

Turn the key from position 'II' to the 'lock' position '0'. This stops the engine.

On vehicles fitted with automatic transmission the ignition key will not be removable from the ignition switch/steering lock unless the gear selector lever is in the park 'P' position.

Once the ignition key has been removed the gear selector lever will be locked in position 'P'.

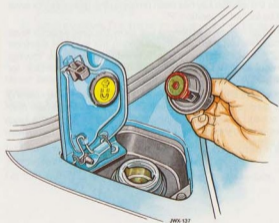
A manual release mechanism will allow the gear selector lever to be unlocked from the 'P' position in the event of electrical failure or when moving the vehicle without power (i.e. towing) is required. Refer to SECTION 4: Gear-shift Interlock for information on operating the manual release.

Removal of the ignition key automatically actuates the steering lock mechanism. Slight movement of the steering wheel may be needed to engage the lock fully. Always remove the keys when leaving the vehicle. Leaving the key in position 'I' will drain the battery.

Fuel Filler Flap and Cap

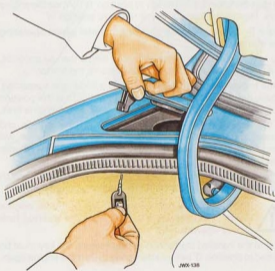
For information on fuel tank filling, see page 47.

Ensure that the doors are unlocked. Lift the filler flap fully up. Turn the filler cap anti-clockwise and remove. Place the cap against the magnetic plate on the inside edge of the filler flap. After fuel filling, replace the filler cap and close the flap. The flap locks when the doors are locked.

**Fuel Filler Flap Emergency Release**

A plastic tag which is connected by a wire to the fuel filler flap release lever is situated in the top left-hand corner of the luggage compartment.

To release the fuel filler flap: Open the luggage compartment and pull the tag downwards.



Fuel Tank Filling

**WARNING:**

- Fuel vapour is highly flammable and in confined spaces is also explosive and toxic. In the event of inadvertent spillage, and before refuelling always switch off the engine, use no naked flame or light. Do not smoke. Do not inhale fumes.**
- Do not fill the tank so that fuel is visible in the fuel filler intake tube. This could cause spillage and danger from exposed fuel. If the tank is inadvertently overfilled and the vehicle is to be parked, park it in the shade.**

The use of either leaded or unleaded fuel depends on the type of emission control system fitted to the engine and the legislative requirements in the country for which the vehicle is manufactured.

See the Vehicle Care Handbook for specific market applications and additional information on recommended types and grades of fuel.

If in doubt your local Jaguar Dealer will advise on which fuel **must** be used in your vehicle.

Always use a high quality fuel which contains detergent and other additives. These will help to protect the engine components against corrosion and carbon deposit formation, and prevent the fuel injection system from clogging.

The continuous use of high quality fuel makes the need for additional additives unnecessary.

When filling, the dispenser nozzle must be inserted into the filler neck sufficiently to open the trap door for fuel to flow into the fuel tank. Fill the tank until the filler nozzle automatically shuts off. Filling beyond this point could result in fuel spillage.

Unleaded Fuel

Vehicles with engines fitted with catalytic converters must only be filled with 'Unleaded Fuel'.

Use unleaded fuel with an octane rating of at least 95 RON (Research Octane Number).

Note: 'Super Green' Plus 98 RON unleaded fuel (where available) may be used as an alternative to the standard 95 RON unleaded fuel.

The filler neck of the fuel tank is a small diameter to prevent the larger diameter nozzle of a leaded fuel pump entering.

Japan only: Use only unleaded fuel, the filler neck of the fuel tank on these vehicles is of a large diameter.

Leaded Fuel

This fuel must only be used on vehicles which are not fitted with catalytic converters.

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SECTION 3

Battery Condition Indicator (A)

Indicates the charge condition of the battery.

When the ignition is ON (position 'II') and the engine stationary, the pointer should be between the bottom red segment and 13 volts. If the pointer is in the bottom red segment, then the battery and/or charging system requires attention.

When the engine is running, above idle speed, the pointer should be between 13 volts and the top red segment. If the pointer remains in the top red segment then the charging rate is too high and the cause must be investigated.

Tachometer (B)

The tachometer indicates engine speed in revolutions per minute and is calibrated in increments of 100 extending to 7000 rev/min.

Caution: Do not allow the needle to enter the red sector.

3.2 and 4.0 litre: The red sector position commences at 5600 rev/min.

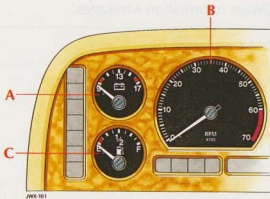
6.0 litre V12: The red sector position commences at 6000 rev/min.

Fuel Level Gauge (C)

Indicates the amount of fuel in the tank.

The gauge only works when the ignition is switched ON (position 'II').

The low fuel level warning light will illuminate when the remaining fuel has fallen to approximately 10 litres (2 gallons).



Oil Pressure Gauge (D)

Does not indicate the level of oil in the engine, but indicates the oil pressure.

If the oil pressure is too low, the warning light will come on; stop the engine immediately and investigate the cause.

Speedometer (E)

The speedometer indicates the road speed of the vehicle in miles and kilometres per hour or in kilometres per hour according to the vehicle's market specification.

**Engine Coolant Temperature Gauge (F)**

Indicates the temperature of the engine coolant.

Drive at moderate road and engine speeds, until normal operating temperature is reached. This is indicated when the pointer is between the blue (cold) segment and the red (hot) segment.

The engine operating temperature will vary with changes in weather and engine load. The engine temperature may rise in some circumstances, such as:

- Towing a caravan or trailer.
- Idling for long periods in slow moving traffic.
- Driving up a long hill in hot weather.
- Driving slowly or stopping after driving at high speed.

Switching off the climate control system may assist engine cooling.

Should the coolant temperature gauge pointer move into the RED segment ('H'), stop the vehicle as soon as it is safely possible and allow the engine to cool.



WARNING: Do not remove the coolant expansion tank filler/pressure cap while the engine is hot. If the cap must be removed, protect the hands against escaping steam and slowly turn the cap anti-clockwise until the excess pressure can escape. Leave the cap in this position until all the steam and pressure has escaped, and then remove the cap completely.

Odometer

This records the total distance covered by the vehicle and can be used as a reference for maintenance periods.

The odometer display works in conjunction with trip computer and driver information messages. Trip computer information and driver messages can be cleared from the display, and odometer readings returned to the display, by pressing the 'ODO' button once or twice. Odometer readings can also be displayed by pressing the end of the multifunction switch to cycle through the trip computer modes until 'ODO' is found.

When the ignition is OFF the odometer is permanently displayed, but not lit up.



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Clock

The time is permanently displayed but not lit when the ignition is 'OFF'. When the ignition switch is in position 'II' the display lights up permanently.

Time can be displayed in a 12 or 24 hour mode. To change from one mode to the other, press the button on the right-hand side of the display.

When the clock is in the 12 hour mode the display shows AM or PM.

To set the time, press and hold the buttons marked 'hr' and 'm' separately, until the correct time is displayed.

Note: If the battery is disconnected, when it is reconnected, press the 'hr' and 'm' buttons to reset the clock.



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Instrument Panel Warning Lights

Twenty two warning lights are provided for warning and tell-tale purposes. These are arranged in four groups, two groups of seven on the left-hand and right-hand side of the instrument panel and two groups of four at the bottom of the instrument panel.

The seven 'RED' lights on the right-hand side are for primary warnings.

The seven 'AMBER' lights on the left-hand side are for secondary warnings.

The eight lower lights are a mixture of status and warning lights. A bulb check cycle is initiated when the ignition switch is turned from OFF to ON (position 'II'), lasting about five seconds. If any warning light remains lit after this period, investigate the cause before driving off.



Exhaust Temperature Warning Indicator (Japan only) – Lights up if the exhaust temperature becomes abnormally high. It is unsafe to run the engine with the exhaust in an over-heated condition. A label giving operating instructions is on the driver's sun visor.

If the warning light comes on while driving, stop the vehicle at the earliest opportunity and switch OFF the ignition. Do not drive or park the vehicle in areas where combustible materials may come into contact with the exhaust system.

Report any fault to the nearest Jaguar Dealer.



Low Oil Pressure – Lights up when the ignition switch is in position 'II' and should go out when the engine is running. If the warning light stays ON when the engine is running, loss of oil pressure is indicated. Stop the engine immediately and investigate the cause. Begin by checking the engine oil level as detailed in the Vehicle Care Handbook. Do not restart the engine until the fault has been rectified.



Seat Belt (Except Middle East markets) – Lights up when the ignition switch is in position 'II' and the driver's seat belt is not fastened. Ensure that the seat belts are fastened; if the warning light stays ON, report the fault to the nearest Jaguar Dealer. It is safe to drive the vehicle if the seat belts are fastened and locked.

Seat Belt (Middle East markets) – Lights up for approximately six seconds when the ignition switch is in position 'II' and the driver's seat belt is not fastened, a warning chime will also sound for approximately six seconds.

If the driver's seat belt is fastened, then the warning light will stay ON for six seconds but the warning chime will not sound.

Ensure that the seat belts are fastened; if the warning light stays ON, report the fault to the nearest Jaguar Dealer. It is safe to drive the vehicle if the seat belts are fastened and locked.



Luggage Compartment Open – Lights up when the ignition switch is in position 'II' to indicate that the luggage compartment is open.

Ensure that the luggage compartment is securely closed before driving the vehicle. If the warning light stays ON, report the fault to the nearest Jaguar Dealer.



Door Open – Lights up when a door is not closed. Check each door to ensure that they are all closed. If the warning light stays ON, report the fault to the nearest Jaguar Dealer.



WARNING: Ensure that all doors are securely closed before driving the vehicle.



Low Coolant Level – Lights up when the coolant level in the radiator is too low. The fault should be rectified at the earliest opportunity, but in the meantime a frequent check should be kept on the coolant temperature gauge to ensure that the engine does not overheat. Refer to the Vehicle Care Handbook.



Handbrake – Lights up when the handbrake is applied.



Headlamp Main Beam (High Beam) – Lights up when the headlamps are on main beam.



Airbag – Lights up if a fault is detected in the airbag electrical circuit and the word 'AIRBAG' will show on the Odometer/Trip Computer display panel.

Note: The 'AIRBAG' message can be removed from the display by pressing the 'ODO' button. It will reappear the next time the ignition is switched ON.

Report the fault as soon as possible to the nearest Jaguar Dealer. It is safe to drive the vehicle, however, in the case of an accident the airbags may not operate.

Note: During engine starting procedure the airbag warning light will come on for a short period, this is not a fault indication.



Direction Indicator Tell-tale (left and right) – The appropriate direction indicator tell-tale will flash when the combination switch is moved either up or down to signal a right-hand or a left-hand turn. If one of the direction indicator bulbs has failed, the bulb failure warning light will light up, the direction indicator tell-tale and the external direction indicator lamps will flash at twice the normal rate when the failed indicator is selected.

Note: The front direction indicators have two bulbs in each unit, if one bulb fails it must be replaced as soon as possible.



Brake System Fault – If the warning light comes on and stays on while the vehicle is being driven, it warns of a very low brake fluid level. The word 'FLUID' will also be shown on the Odometer/Trip Computer display panel. If this is the case, loss of braking assistance or complete loss of brake fluid in either or both brake circuits may be imminent. DO NOT drive the vehicle until the fault has been rectified. Consult the nearest Jaguar Dealer immediately.



WARNING: You should therefore be prepared for increased stopping distances.

Note: The 'FLUID' message can be removed from the display by pressing the 'ODO' button. It will reappear the next time the ignition is switched ON.

SPORT

Sport Mode (4.0 litre vehicles with automatic transmission and 6.0 litre V12 vehicles) – Lights up when the engine is running and the letter 'S' position on the sport mode switch is pressed.

Refer to SECTION 4: Gear Selector for the sport mode switch operating procedure.

TRAC OFF

Traction Control OFF Tell-tale – Lights up when the traction control system (where fitted) is switched OFF. It will also come on in conjunction with the traction control failure warning light if there is a malfunction in the system.



Ignition – Lights up when the ignition switch is in position 'II' and should go out when the engine is running. If the warning light stays ON when the engine is running it indicates either excessive battery voltage or that the alternator is not working, stop the engine and investigate the cause.

CHECK ENG.

Check Engine – Lights up when a power train fault is indicated. The power train management system is very complex and requires specialized diagnostic equipment to repair. Report the fault to the nearest Jaguar Dealer.

A 'limp home' capability is incorporated in the engine management system, therefore the vehicle may still be driven gently.



Low Fuel Level – Lights up to indicate low fuel level. This warning light is additional to the fuel level gauge. The low fuel level warning light will come on when the fuel has fallen to approximately 10 litres (2 gallons).



Traction Control Failure – Lights up when a malfunction in the traction control system (where fitted) is indicated. It is safe to drive the vehicle, however report the fault as soon as possible to the nearest Jaguar Dealer.

Note: The traction control OFF tell-tale will also come on.



Low Windscreen Washer Reservoir Level – Lights up to indicate low fluid level in the windscreen washer reservoir. This reservoir also supplies fluid for the Headlamp Powerwash (where fitted). Check and if necessary top up the reservoir with the recommended fluid; see the Vehicle Care Handbook. If after topping up the light stays on, report the fault to the nearest Jaguar Dealer.



Anti-lock Braking System (ABS) – Should this warning light come on whilst driving, it means that the anti-lock braking system has been fully or partially restricted. The brake system will continue to function, but without anti-lock.

The ABS electronics monitor the entire anti-lock electrical system from ignition switch ON to ignition switch OFF.

Should the anti-lock warning light fail to go out following the lamp check period, or come on while the vehicle is being driven; stop the vehicle at the first opportunity, turn the ignition OFF (position 'O') and then restart the engine. If the warning light continues to stay on, or comes on again while driving, consult a Jaguar Dealer **immediately**.

If the anti-lock warning light stays on the cause must be investigated. Provided that the brake system fault warning light is not on, the vehicle may be driven to the nearest Jaguar Dealer.

Refer to SECTION 7: Anti-lock Braking for additional information.



Bulb Failure – This warning light comes on when the ignition switch is in position 'II' and there is a defective bulb in a switched on circuit. The bulb failure warning system monitors two separate circuits:

Failure of direction indicators, also indicated when the direction indicator tell-tale flashes at twice the normal rate when the failed indicator is selected.

Failure of any external light bulb.

Check for a failed bulb. If one cannot be found, report the fault to the nearest Jaguar Dealer.

It is illegal in most countries to use a vehicle with a defective exterior lamp bulb.



Automatic Transmission Failure (4.0 litre and 6.0 litre V12 vehicles) – Lights up when the ignition switch is turned to position 'II' and should go out after the bulb check. The light may flash on briefly during engine starting, but should stay off throughout engine operation. If the warning light remains on, or comes on while the engine is running, a failure in the automatic transmission system is indicated. This will result in either a noticeable heaviness in gear selection and gear changes or the transmission entering the 'limp home' mode.

In the first condition, although the gear selection will be less smooth, all gears can be selected and automatic gear changes will still take place in the specified ranges.

If the 'limp home' mode is entered, fourth gear (4.0 litre normally-aspirated) will be selected if the gear selector lever is in the 'D' position, otherwise third gear will be selected when position 'D' is engaged.

With 4.0 litre supercharged and 6.0 litre V12 engines, second gear will be selected by the transmission if the default occurs below 128 km/h (80 mph). If it occurs at higher speeds the transmission will hold the selected gear until road speed is reduced to below 128 km/h (80 mph).

4.0 litre normally-aspirated only: The reverse gear inhibit function will not operate while the 'limp home' mode is active.

During both these conditions 'sport mode' and 'kickdown' facility will not operate, therefore, extra care must be taken when driving the vehicle because of the reduced performance.

In some instances, the warning light may be extinguished by stopping the vehicle, switching OFF the ignition then restarting the engine. However, the fault should be reported to the nearest Jaguar Dealer as soon as possible.

Note – 4.0 litre supercharged and 6.0 litre V12 engines: If the warning light remains on report the fault to the nearest Jaguar Dealer immediately.

Driver Information Messages

The driver information messages are displayed on the Odometer/Trip Computer display panel below the tachometer and speedometer when the appropriate warning light comes on. The warning light will stay on until the fault is rectified.

In the event that more than one message is being displayed, the system will cycle between messages, pausing for two seconds at each one.

To remove messages from the display, press the 'ODO' button.

The message will reappear each time the ignition is switched on if the fault has not been rectified.

AIRBAG



Report the fault as soon as possible to the nearest Jaguar Dealer. It is safe to drive the vehicle, however in the case of an accident the airbags may not operate.

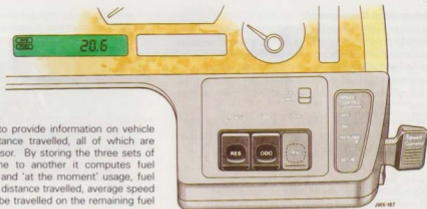
FLUID



Check the level of the brake fluid and top up if necessary, see the Vehicle Care Handbook. **If the fluid level is very low, a leak in the hydraulic system is indicated. Do not drive the vehicle in this condition but report the fault to the nearest Jaguar Dealer immediately.**



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Trip Computer

The trip computer is used to provide information on vehicle speed, fuel usage and distance travelled, all of which are calculated by a microprocessor. By storing the three sets of information and relating one to another it computes fuel consumption, both average and 'at the moment' usage, fuel used on a journey or period; distance travelled, average speed and the distance that could be travelled on the remaining fuel available.

The information is for guidance only, as it can be affected by traffic, road and weather conditions.

The information may be displayed in metric or imperial measure.

Controls

The 'Reset' and 'ODO' controls are on the right-hand side of the fascia switch pack.

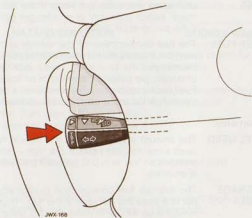
Odometer and Trip Computer information is shown on the display panel below the tachometer and speedometer.

To obtain trip computer information:

Press the trip button on the end of the multifunction switch repeatedly until the required function is displayed. The trip computer messages are displayed in the following order:

- Odometer.
- Trip distance.
- Range.
- Fuel used.
- Average fuel.
- Average speed.
- Instantaneous fuel.

When the ignition is switched OFF, any information being displayed will be retained in the computer memory.



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When the ignition key is turned to position 'II' the memorised information will be recalled and displayed.

If any driver information is shown, i.e., 'FLUID' or 'AIRBAG', press the 'ODO' button once to allow the trip computer messages to be displayed.

The 'km - miles' switch displays trip information in metric or imperial units.

RESET

The button marked 'RESET' is used to clear the trip computer memory to reset all function displays to zero. It is used at the beginning of a journey or when the information is no longer required. To achieve this press the 'RESET' button for a minimum period of five seconds, when '0.0' will be displayed.

ODO

When trip computer information is being displayed, press the button marked 'ODO' once to allow the odometer to be displayed.

The 'ODO' button also provides a means of temporarily removing any driver information message, which may already be present on the written display.

The first press of the 'ODO' button will turn off any driver information message on the written display to allow the trip computer information to be displayed.

A second press on the 'ODO' button will remove the displayed trip computer information to allow the odometer to be displayed.

Trip Functions

AVERAGE SPEED

The average speed for the distance travelled since the last reset.

3

Continued

Trip Functions (continued)

RANGE The estimated distance the vehicle should travel on the remaining fuel, assuming that the average speed and fuel consumption stays constant.

DISTANCE The distance travelled since the last reset.
After the trip computer has been reset to zero by pressing the 'RESET' button, the highest single trip reading will be approximately 16090 kilometres (9999.9 miles)

Note: When the above distance travelled is exceeded all functions of the trip computer will reset and previous trip computer information will be erased from the memory.

Fuel Functions

Note: As fuel consumption improves the litres per 100 kilometres figure goes down but the miles per gallon figure increases. This apparent anomaly is because the fewer litres used per 100 kilometres the better, conversely the more miles per gallon the better.

All markets except for Japan:

FUEL USED The amount of fuel in litres the vehicle has used since the last reset if the 'km - miles' switch is on 'km' or in gallons if the switch is on 'miles'.

AVERAGE FUEL

The average fuel consumption in litres per 100 kilometres since the last reset if the 'km - miles' switch is on 'km' or in miles per gallon if the switch is on 'miles'.

INST. FUEL

The fuel consumption of the vehicle at the moment this selection is made in litres per 100 kilometres if the 'km - miles' switch is on 'km' or in miles per gallon if the switch is on 'miles'. Fuel consumption is calculated over a two second period and is continuously updated.

Japan only:

FUEL USED

The amount of fuel in litres the vehicle has used since the last reset if the 'km - miles' switch is on 'km' or in U.S. gallons if the switch is on 'miles'.

AVERAGE FUEL

The average fuel consumption in kilometres per litre since the last reset if the 'km - miles' switch is on 'km' or in miles per U.S. gallon if the switch is on 'miles'.

INST. FUEL

The fuel consumption of the vehicle at the moment this selection is made in kilometres per litre if the 'km - miles' switch is on 'km' or in miles per U.S. gallon if the switch is on 'miles'. Fuel consumption is calculated over a two second period and is continuously updated.

Audible Warnings

Audible warnings alert occupants of possible hazards or illegal conditions. To stop the warning tone, remedy the condition.

HAZARD/CONDITION	AUDIBLE WARNING	REMEDY
Seat belt unfastened (Middle East markets).	Continuous chime for approximately six seconds.	Fasten driver's seat belt.
Gear selector lever (automatic transmission) in any gear position other than park ('P'), with the ignition key in either position 'I' or 'O'.	Rapid intermittent high pitched tone for 10 seconds.	Move selector lever fully into park ('P') position.
Direction indicator.	Intermittent tone.	Move the combination lever to the central position when required.
Side lights ON, driver's door open and ignition key removed from ignition switch.	Intermittent high pitched chime for 10 seconds.	Switch side lights OFF or close driver's door.
Overspeed (Certain markets only).	Modulated low pitched tone.	Reduce vehicle speed.
Airbag system failure.	High pitched tone sounds if warning light and driver message display does not function.	Report the fault as soon as possible to the nearest Jaguar Dealer (see page 55).

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100	1950	...

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SECTION 4

Gear-shift Interlock (Vehicles with automatic transmission)

A brake pedal/gear-shift interlock system is incorporated in the gear selector mechanism.

The gear selector lever may only be moved from the Park ('P') position by using the following sequence:

1. Do not hold or attempt to move the gear selector lever.
2. Turn the ignition key to position 'II' or start the engine.
3. Press the brake pedal.
4. Move the gear selector lever from Park ('P') to the required position.

To remove the ignition key place the gear selector lever in the park 'P' position.

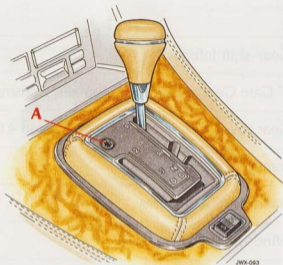
Once the ignition key has been removed the gear selector lever will be locked in position 'P'.

Gear-shift Interlock Manual Override

In the event of an electrical failure or when moving the vehicle without power, the gear selector lever can be unlocked from the 'P' position manually as follows:

Remove the plastic screw-in plug (A) using a flat blade screwdriver.

Insert the ignition key or similar shaped tool into the hole until slight resistance is felt, then gently push and hold down whilst simultaneously moving the gear selector lever out of the 'P' position. Avoid any further travel of the gear selector lever until the ignition key has been removed from the 'J' gate. Refit the plastic plug.



An audible warning will sound when the ignition key is removed from the ignition switch and the gear selector lever is moved from the 'P' position.

'J' Gate Gear Selector – Automatic Transmission

The automatic transmission selector lever is designed to accommodate two different driving techniques as follows:

1. As a normal automatic transmission the right-hand side of the selector gate is less cluttered than the conventional automatic selector.
2. As a clutchless manual gearbox use the left-hand side of the selector to engage second and third gears as required.

Sport Mode (4.0 litre and 6.0 litre V12)

A two-way rocker switch (A) allows two different shift programmes to be selected:

Sports mode (S).

Normal mode (N).

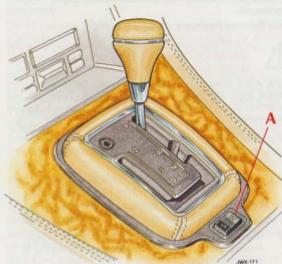
When sport mode is selected the automatic transmission will operate normally, but the gear shift points are extended to make full use of the vehicle's power reserves.

To select sport mode: Press the rocker switch (A) at the position marked 'S'. The tell-tale on the instrument panel will come on, see SECTION 3: Instrument Panel Warning Lights.

To cancel sport mode: Move the switch to the right-hand 'N' position.

Kickdown

Pressing down hard on the accelerator pedal to maximum throttle position causes the transmission to change down to a lower gear. The gear engaged depends on the road speed and gear position held at the time of kickdown. Kickdown utilises maximum engine power.



'J' Gate Gear Selector – Automatic Transmission

(continued)

Gear Selector Positions



WARNING: The handbrake or brake pedal must be applied fully before selecting any of the forward or reverse drive ranges from a stationary position.

Note: After selecting any of the forward or reverse drive ranges from the Neutral or Park position, wait for the transmission to engage, indicated by a slight jerk, before accelerating.

'P' Park – This position must only be used when the vehicle is stationary. Apply the handbrake before selecting 'Park'.

A brake pedal/gear-shift interlock system is incorporated in the gear selector mechanism.

The gear selector lever may only be moved from Park by following the sequence detailed on page 66.

'R' Reverse – Placing the gear selector in 'R' engages reverse gear. Do not select 'R' when the vehicle is moving forward.

When reverse gear is selected, on vehicles with mirror memory function, the passenger's door mirror can be dipped to give the driver a clear view of the kerb while reversing, refer to SECTION 2: Door Rear View Mirrors.

The reversing lights automatically come on when 'R' is selected and the ignition switch is in position 'II'.

'N' Neutral – This position disconnects the driveline from the engine. Use for temporary stopping together with the handbrake.

'D' Drive – All four gears are changed automatically as required by throttle position and road speed.

When driving on winding roads with the transmission in position 'D', the subsequent accelerator on/off usage may cause the transmission to change frequently between top gear and 3rd. This may be avoided by selecting position '3'.

'3' Third – In this position the transmission will operate automatically but will not engage fourth gear.

'2' Second – In this position the transmission will operate automatically between the starting position and second gear but will not engage 3rd or 4th gears.

Starting

A switch prevents engine starting until the gear selector is in 'N' or 'P'. The gear position is shown on the selector gate.

Towing a Caravan or Trailer

When towing a caravan or trailer on uphill gradients steeper than 1 in 15, select position '2'.

Emergency Starting

Vehicles with automatic transmission cannot be tow started.

'J' Gate Gear Selector – Automatic Transmission

(continued)

Stopping

To stop the vehicle, release the accelerator pedal and apply the brakes.

The selector lever may be left in 'D', '3' or '2' unless the vehicle is to be parked. If the vehicle is stopped for traffic lights or junctions, apply the handbrake and move the selector lever to position 'N'.

When parking the vehicle refer to the gear-shift interlock information on page 66.

Hill Climbing and Engine Braking (3.2 litre)

Select position '2' when driving on mountain roads with long gradients. This provides a high braking effect on downhill gradients and also makes better use of full engine performance on uphill gradients.

When the selector lever is moved from position 'D' or '3' to position '2', changing down from third to second will only take place at road speeds below 122 km/h (76 mph).

Hill Climbing and Engine Braking (4.0 litre normally aspirated)

Select position '2' when driving on mountain roads with long gradients. This provides a high braking effect on downhill gradients and also makes better use of full engine performance on uphill gradients.

When normal mode ('N') is selected and the selector lever is moved from position 'D' or '3' to position '2', changing down from third to second will only take place at road speeds below 111 km/h (69 mph).

When sport mode ('S') is selected and the selector lever is moved from position 'D' or '3' to position '2', changing down from third to second will only take place at road speeds below 128 km/h (80 mph).

Hill Climbing and Engine Braking (4.0 litre supercharged and 6.0 litre V12)

Select position '2' when driving on mountain roads with long gradients. This provides a high braking effect on downhill gradients and also makes better use of full engine performance on uphill gradients.

When the selector lever is moved from position 'D' or '3' to position '2', changing down from third to second will take place at any road speed. It is recommended that position '2' is only selected at road speeds below 96 km/h (60 mph).

Gear Lever – Manual Gearbox (3.2 and 4.0 litre – where fitted)

A diagram of the gear shift pattern is on the gear lever knob.

Reverse gear is engaged by moving the gear lever hard to the right against spring pressure and then rearwards.

When reverse gear is selected, on vehicles with mirror memory function, the passenger's door mirror can be dipped to give the driver a clear view of the kerb while reversing, refer to SECTION 2: Door Rear View Mirrors.

Top or fifth gear reduces engine speed and improves fuel economy. Ensure that while engaged, especially during running in, the engine runs easily without labouring.

Hill Driving

When hill starting, use the handbrake and accelerator prudently to protect the clutch.



Traction Control System (Where fitted)

The traction control system reduces wheel spin at the driven wheels. The system uses the anti-lock braking system (ABS) sensors to monitor the speed of all road wheels. As soon as a driven wheel starts to spin, because of insufficient grip between the tyre and the road surface, the system reduces engine torque by closing the throttle, and if appropriate, applying the brake to the wheel that is spinning.

During traction control activation, the driver may notice a very slight fluctuation of the accelerator pedal.

Note: If the speed control is engaged it will automatically disengage if traction control activates..

When the ignition switch is turned to ON (position 'II'), the 'Traction Off' and 'Traction Fail' warning lights will come on (as part of the instrument pack bulb check), and should go out after approximately five seconds. If the warning lights remain on, a malfunction in the traction control system is indicated. The fault must be reported to the nearest Jaguar Dealer **immediately**.

The traction control system will always be switched on when the engine is started. It can be switched off by pressing the switch on the right-hand side of the fascia switch pack. The 'Traction OFF' warning light will come on and remain on while the system is switched off. To switch the system on either press the switch again or restart the engine.

It is recommended that, if using snow chains or where the vehicle is stuck in snow or mud, traction control should be switched off.

If the 'Traction Fail' warning light comes on while driving, it indicates a malfunction in the system. The fault must be reported to the nearest Jaguar Dealer **immediately**.

**WARNING:**

- 1. The fact that a vehicle is fitted with traction control must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users.**
- 2. The addition of traction control cannot overcome the consequences of trying to corner at too high a speed.**
- 3. In all cases it remains the driver's responsibility to drive safely according to the prevailing conditions.**

Handbrake

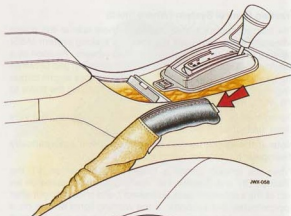
The handbrake lever is on the driver's side and mechanically operates the rear 'parking' brakes.

The parking brakes are independent of the main brake system.

To apply: Lift the lever firmly.

To release: Lift the lever slightly, press the locking button at the end of the lever, and lower fully.

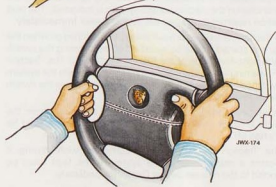
If the handbrake lever is not fully off, the handbrake warning will light up on the instrument panel, see SECTION 3: Instrument Panel Warning Lights.



Horns

Twin warning horns are operated by pressing the centre pad on the steering wheel.

The horns will work with the ignition switched on or off.



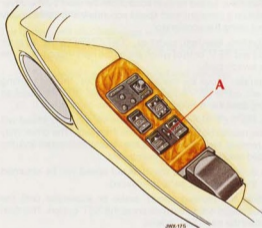
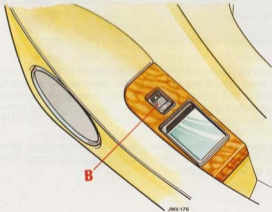
Window Operation

The driver's door switch pack has four switches that operate all windows with the ignition switch in position 'I' or 'II'. Press the lower portion of the appropriate rocker switch to lower the window and the upper portion of the switch to raise.



WARNING:

1. When raising windows ensure all occupants are clear.
2. When leaving the vehicle take the ignition keys, as misuse of window switches by remaining passengers, especially children, can cause injury.



The switch (A) immobilises the rear passenger switches, when the white dot on the switch is showing.

On the driver's window switch a 'one shot' facility enables the driver to fully lower the window in one quick movement, by pressing and releasing the bottom of the switch.

Passengers can operate their window by using the switch in their door armrest (B).

Speed Control (Where fitted)

The electronic speed (cruise) control can be used by the driver to maintain a constant road speed accurately and continuously without using the accelerator.

The system has two switches, 'OFF/ON/RESUME' (master switch) and 'SET', both of which are on the right-hand side of the fascia switch pack.

To operate: Move the master switch to 'ON', the red warning light will come on. Accelerate as normal until the required cruising speed is reached.

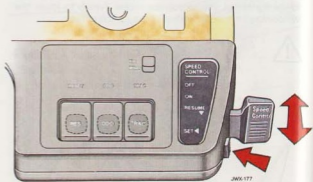
Press the 'SET' button briefly and the vehicle road speed will then be memorised and the system engaged. The driver may then remove his/her foot from the accelerator pedal and the selected road speed will be maintained.

If the driver accelerates, the selected speed will be resumed when the accelerator pedal is released.

To adjust the cruising speed, brake or accelerate until the required speed is reached then press the 'SET' button. This then becomes the new 'SET' speed.

The 'SET' speed can also be increased by pressing and holding the 'SET' button, the speed of the vehicle will gradually increase, release when the required speed is reached.

The speed control is disengaged when the brake pedal is depressed. Providing the speed is over 40 km/h (25 mph) the original set speed may be recalled by moving the master switch to the 'RESUME' position and releasing.



When approaching traffic where it is better to 'coast down' than to brake, move the master switch lever to the 'RESUME' position and release, the vehicle will then be under normal accelerator control. Afterwards the 'SET' speed can be resumed by again moving the master switch lever to the 'RESUME' position and releasing.

To cancel the speed control and erase the memory: Move the master switch to 'OFF'. The memory is also erased when the ignition is switched off.

The speed control operates when the gear selector lever is in position '2', '3' or 'D'. The use of speed control in '2' and '3' is intended for specialised applications, e.g. caravan/trailer towing on hills.

On manual gearbox vehicles it is recommended to use the speed control with 4th or 5th gear.

Caution:

- 1. Only use speed control when conditions are favourable, e.g. straight, dry open roads with light traffic.**
- 2. The 'RESUME' position should only be engaged if the driver is aware of the pre-set speed and intends to return to it.**
- 3. It is not recommended that a previously set speed is resumed in '2' or '3', as excessive engine speeds will occur.**

The system will automatically disengage when:-

- a) The brake pedal is depressed – all vehicles. Should there be an electronic signal fault, the system will still safely disengage after a half second delay.
- b) The vehicle speed falls below approx. 40 km/h (25 mph) – all vehicles.
- c) The vehicle speed falls below three quarters of the SET speed (i.e. when towing caravans, trailers, etc. or climbing hills) – all vehicles.
- d) When Neutral 'N' or Park 'P' positions are selected – automatic transmission vehicles.

- e) The clutch pedal is depressed – manual gearbox vehicles.
- f) The traction control system is activated – all vehicles where fitted.

The system will also disengage when:-

- a) The master switch is moved to the 'OFF' position – all vehicles.
- b) The cancel function is invoked – all vehicles.
- c) When reverse gear is selected – all vehicles.
- d) If the system detects a malfunction it will switch off or become latched in the 'off' condition when next switched off by the driver – all vehicles.
- e) The ignition is switched off – all vehicles.

Multifunction Switch

The steering column multifunction switch is used to operate the following:

Direction Indicators

The direction indicators operate when the ignition switch is in position 'II'.

To indicate for a right or left turn, move the multifunction switch up or down respectively. The switch will latch in position and cancel when the turn has been completed. During the manoeuvre a green warning light will flash, if the manoeuvre is not sufficient to cancel the indication, move the switch back to the central position.

When changing lanes or overtaking, hold the lever without allowing it to latch. When released, the lever will return to the central position even if the steering wheel is not turned.

Should a direction indicator bulb fail, the audible tone and warning light will operate at twice the normal speed and the bulb failure warning light will come on (see SECTION 3: Instrument Panel Warning Lights)

Trip Computer

The trip computer display cycle button is on the end of the multifunction switch.

For further details refer to SECTION 3: Trip Computer.

Headlamp Flash

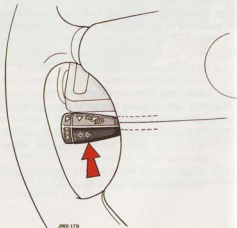
To flash the headlamps, pull the multifunction switch towards the steering wheel.

Headlamp Main Beam (High Beam)

Only operates when the master lighting switch is in the 'Headlamp' position except for headlamp flash.

To switch on the main beam pull the lever towards the steering wheel, repeat the operation to dip.

When the main beam is selected the blue warning symbol on the instrument panel lights up (see SECTION 3: Instrument Panel Warning Lights).



Windscreen Wiper and Washer Switch

This switch, which only operates when the ignition switch is in position 'II' has the following functions:

- Position '0'** The windscreen wiper is switched OFF and parked.
- Position '1'** Push the switch lever up one position to obtain normal wiper operation.

- Position '2'** Push the switch lever fully up to obtain high speed wiper operation.
- Position 'D'** Intermittent operation of the wiper is obtained by pushing the switch lever down and releasing. The delay period will vary with vehicle speed. To cancel the function repeat the procedure.

Single Wipe

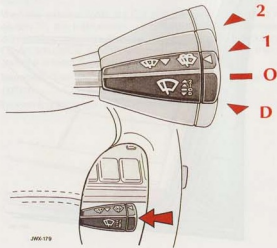
To obtain a single sweep of the wiper blade, pull the lever towards the steering wheel and release.

Programmed wash/wipe

Press the end of the switch lever inwards for windscreen wash and wipe. Wash/wipe will continue for as long as the lever is pressed. When released, the windscreen washers will stop immediately and the wiper blade will continue for a further three complete wipes.

Press the end of the switch lever inwards and release, the windscreen washers will then operate for approximately two seconds before stopping and the wiper blade will continue for a further three complete wipes.

If the end of the switch lever is pressed while the low windscreen washer reservoir level warning light is on, the windscreen washers will operate, but not the wiper blade.



Headlamp Powerwash (Where fitted)

The headlamp powerwash operates when the programmed wash/wipe is selected (see page 77) and the sidelights are ON.

The headlamp powerwash will not operate if the windscreen washer reservoir fluid level is low, this will be indicated by the windscreen washer reservoir warning light coming on.

Note: The headlamp powerwash only operates on the 1st and every 6th succeeding cycle of the programme wash/wipe switch, after the ignition switch has been turned to position 'II'.

Door Guard Lights

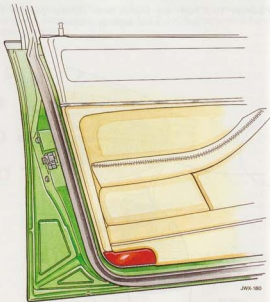
Door guard lights are fitted to each door and are designed to illuminate the 'step-out' area at night and to give warning of an open door to oncoming vehicles.

The red/clear lens, in the rear lower corner of each door, lights up automatically when a door is opened and goes out when it is closed.

The light will stay on for two minutes if the door is left open.

Side Lights Audible Warning

If the side lights are ON when the driver's door is open and the key is removed from the ignition switch an audible warning will sound.



JWX 180

Instrument Illumination Dimmer

Two levels of instrument lighting are available;

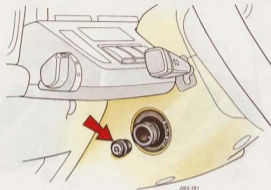
1. Instrument background and 'locate' lighting for switches, door switch packs and the air conditioning/heater control panel.
2. Instrument pack odometer/trip computer display and the clock.

When the exterior lights are OFF and the ignition switch is in position 'II' the odometer/trip computer display and the clock are brightly lit.

When the exterior lights are ON and the ignition switch is in position 'II', the instruments, air conditioning/heater controls, odometer/trip computer display, clock and door switch packs are lit. An adjustable control for night dimming enables these functions (except clock) to be set to suit the driver.

Operation: Turn the knob rearwards to dim and forward to brighten.

The warning lights are not controlled by the dimmer.





Master Lighting Switch ((Except for Norway and Sweden)

This switch is on the left-hand side of the steering column and has the following positions:

First position (A): All lights are off. Normal position for daylight driving.

Second position (B): Switches on front parking, tail, number plate and any other marker lights required by local legislation.

Third position (C): Switches on headlamps (when the ignition switch is in position 'II') in addition to the front parking, tail and number plate lights. The multifunction switch then controls the main and dipped beams.

When the master lighting switch is in the headlamp ON position and the ignition is switched OFF, the headlamps will be off leaving only the front parking, tail and number plate lights on together with the green sidelight indicator.

When the ignition is again switched ON (position 'II') the headlamps will come on automatically.

Note: Always dip headlamps when approaching oncoming traffic or when driving in urban areas.

Master Lighting Switch (Norway and Sweden)

This switch is on the left-hand side of the steering column (see illustration on page 80) and has the following positions:

First position (A): All lights are off. Normal position for daylight driving.

When the ignition switch is in position 'II' the headlamps (in dipped beam mode) and the front parking, tail, number plate and any other marker lights required by local legislation are automatically switched ON.

Second position (B): Switches on front parking, tail and number plate lights when the ignition switch is OFF.

When the ignition switch is in position 'II' and the master lighting switch is in the second position the headlamps are automatically switched OFF leaving the front parking, tail and number plate lights on.

Third position (C): Switches on headlamps (when the ignition switch is in position 'II') in addition to the front parking, tail and number plate lights. The multifunction switch then controls the main and dipped beams.

When the master lighting switch is in the headlamp ON position and the ignition is switched OFF, the headlamps will be off leaving only the front parking, tail and number plate lights on together with the green sidelight indicator.

When the ignition is again switched ON (position 'II') the headlamps will come on automatically.

Note: Always dip headlamps when approaching oncoming traffic or when driving in urban areas.

Headlamp Levelling (Where fitted)

This switch is on the centre console.

To operate: This function operates when the headlamps are switched ON. Turn the switch to the desired setting.

Position 0: Normal setting – Driver and any other passengers, but without any luggage.

Position 1: Driver, all seats occupied and luggage up to the gross vehicle weight.

Position 2: Driver, all seats occupied and luggage up to the maximum rear axle load.

Position 3: Driver, all seats occupied, luggage and towing a caravan or trailer.
Driver and luggage up to the maximum rear axle load.

Note: When towing a caravan or trailer adjust the headlamps as necessary.



JWEL 183

Front Fog Light Switch (A) (Where fitted)

The switch is on the left-hand side of the fascia switch pack.

The green warning light in the switch comes on when the lamps are ON, the master lighting switch is in either the side light or headlamp position and the ignition switch is in position 'II'.

Note: Front fog lamps should not be used in conjunction with the headlamp main beam (high beam).

Rear Fog Guard Light Switch (B)

The switch is on the left-hand side of the fascia switch pack.

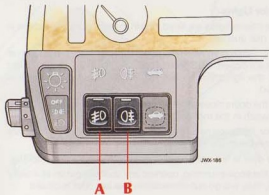
The amber warning light in the switch comes on when the lamps are ON and the master lighting switch is in the headlamp position and the ignition switch is in position 'II'.

Hazard Warning Switch

The switch is mounted within the centre console.

To operate: Press the switch (with the ignition on or off); the direction indicators, the indicator's tell-tale lights, the warning light in the switch and an audible warning will operate in unison.

To cancel: Press the switch again.



Interior Lights

Three interior lights are fitted, one in the roof console, and one in each rear quarter.

The lights come on when any door is opened, and go out when all doors are closed. A 15 second delay occurs after closing the last door; the lights will go out immediately when the engine is started.

With the doors closed, the lights can be switched on by pressing the switch in the roof console.

Interior lights come on for 15 seconds when the doors are unlocked with the key-ring transmitter.

If any door is left open, the lights will stay on for two minutes.

With the engine running, opening any door will put on all interior lights, they will go out immediately the last door is closed.

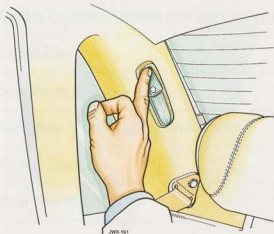


Reading Lights

The vehicle is equipped with four reading lights, two positioned in the roof console on either side of the interior light, and one each side in the rear quarter panels as the upper part of the rear interior light units.

Each reading light is switched individually.

Front reading lights are operated by the switches marked 'MAP' in the roof console, and the rear reading lights by pressing the upper lens of the interior light unit.



Introduction

The purpose of this study is to explore the historical and cultural significance of the Zion Mohs. The research is based on a comprehensive review of historical documents, archaeological findings, and oral traditions. The study aims to provide a detailed account of the community's development and its role in the region's history.

The research is organized into several sections. The first section provides a general overview of the community's origins and early settlement. The second section focuses on the cultural and social aspects of the community, including its traditions and customs. The third section discusses the community's economic activities and its relationship with the surrounding region. The final section concludes with a summary of the findings and their implications for the study of the region's history.



Methodology

The methodology employed in this study is a combination of historical research and fieldwork. The primary sources include historical documents, such as land records, census data, and local newspapers. Secondary sources include academic books and articles on the region's history and culture. The study also involved fieldwork, including visits to the site and interviews with local residents and historians.

The data collected was analyzed using a combination of qualitative and quantitative methods. Qualitative methods were used to analyze the content of historical documents and oral traditions, while quantitative methods were used to analyze census data and other numerical information. The results of the study are presented in a series of chapters, each focusing on a different aspect of the community's history and culture.



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SECTION 5

Sunroof (Where fitted)

The sunroof switch is in the roof console. This switch will only operate when the ignition switch is in position 'I' or 'II'.



WARNING: Before opening or closing the sunroof check that all occupants are kept clear.

To open: Touch the rear of the switch and the sunroof will open fully. It can be stopped in any position by a further touch on any part of the switch.

To open to any position: Press and hold the rear of the switch until the required open position is reached, then release the switch.

To close: Touch the front of the switch and the sunroof will close fully. It can be stopped in any position by a further touch on any part of the switch.

To close to any position: Press and hold the front of the switch until the required position is reached, then release the switch.

To tilt open: Press and hold the front of the switch.

To close from tilted: Press and hold the rear of the switch.



Sunroof – Manual Operation

If the powered operation fails, the sunroof can be opened or closed by hand.

Remove the roof console to gain access to the sunroof drive spindle as follows:

Press the button on the roof console to open the sun-glasses stowage compartment.

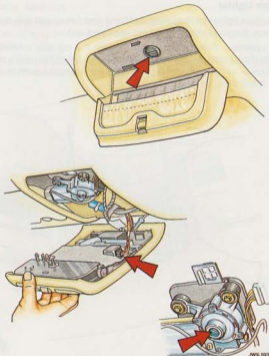
Turn the fastener located in the sun-glasses compartment 90° anti-clockwise. Lower the roof console rear end slightly and withdraw it rearwards. Unplug the connector and place the console on a soft, clean surface.

Insert a wide blade screwdriver into the slot in the motor spindle and turn clockwise to open or anti-clockwise to close the sunroof.

Note: After the cause of motor power failure has been found and rectified, re-engage the motor by turning the spindle a quarter turn anti-clockwise if sunroof is open, or clockwise if sunroof is closed.

Reconnect the roof console connector and refit the console, with the front end first, then locate the rear and secure with the fastener.

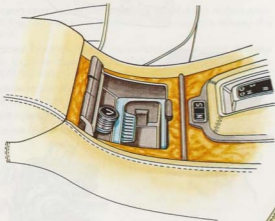
Close the sun-glasses compartment.



Cigar Lighter

The cigar lighter for the driver and front seat passenger is in the centre console ashtray (smokers compendium).

To operate: Release the catch to open the console ashtray. With the ignition switch in position 'II', press down the centre of the knob, which will remain down until the element has heated up, it will then 'pop-up'.



WARNING: When lighting cigars or cigarettes whilst driving, ensure that the necessary precautions are taken to prevent loss of vision or vehicle control.

Caution: Take care not to allow the hot element to come into contact with upholstery surfaces.

Note: Never hold the lighter knob down. Do not use a pin or other sharp instrument to remove tobacco particles, as the element is self cleaning.

On some models a cigar lighter is provided for rear seat passengers in the rear of the centre console.



J00X-196

Ashtrays

Three ashtrays are provided, one in the centre console for the driver and front seat passenger and one in each rear door.

Centre Console Ashtray

To open: Release the catch. The ashtray lid will automatically open.

To close: Push the lid forwards and down to engage the catch.

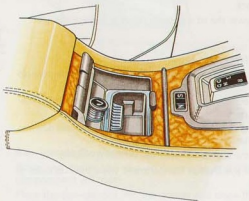
To remove the ashtray for cleaning: Remove the cigar lighter before lifting out the ashtray.



Door Ashtrays

To open: Gently push the bar towards the front of the vehicle. The ashtray lid will automatically open. Push the lid down to close.

The ashtray liner can be removed for cleaning by exerting slight forward pressure on the open lid. Lift the liner out.



JWX/197

Centre Console Armrest Storage Compartment

The lid of the armrest is hinged at the rear and lifts up to provide a storage compartment. When closed the lid is held by a magnetic catch.

Where the cupholder is fitted, the lid of the armrest has a release lever.

To open: Lift the release lever (A) at the front of the armrest and tilt the lid back.

To close: Lower the lid and press down to engage the latch.

Cupholder (Where fitted)

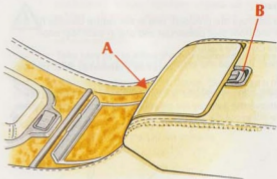
A cupholder to take two cups is provided in the centre console armrest.

To open: Press the button (B) on the armrest and the cupholder will spring open.

To close after use: Lower the cupholder flap and press down to engage the latch.

Do not use the cupholder while the vehicle is moving.

Do not open the storage compartment while the cupholder is being used.

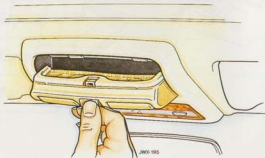
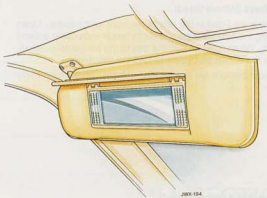


JWV-008

Sun Visors and Vanity Mirror

Two adjustable padded sun visors are fitted, which can be swung downwards or unclipped and swung sideways to eliminate sun glare.

A vanity mirror is fitted in the rear of each sun visor, behind a flap. When the flap is raised, the two lights situated each side of the mirror will be come on. Close the flap when not in use.

**Sun-glasses Stowage Compartment**

Press the button on the roof console and the stowage compartment will open.

Place the sun-glasses into the pocket and close the stowage compartment.

Picnic Trays (Where fitted)

Picnic trays are fitted in the rear of the front seat squabs. Open by holding the bottom edge with both hands and pulling out and upwards. When fully up, turn the tray to the horizontal position. Reverse the above procedure to fold the tray away.

Do not use picnic trays in a moving vehicle. Stow them away securely.

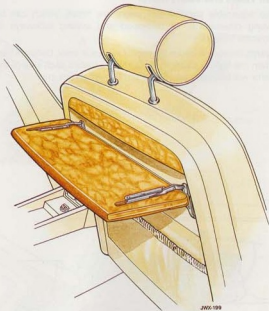
Rear Sun Blind (Where fitted)

The rear sun blind is fitted to the rear parcel shelf.

On vehicles fitted with Premium Sound System, twin sunblinds may be fitted.

To operate: Pull the blind upwards and engage the catches into the fixing brackets over the rear screen header rail.

To lower: Reverse the procedure and the blind will automatically retract into the housing.



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SECTION 6

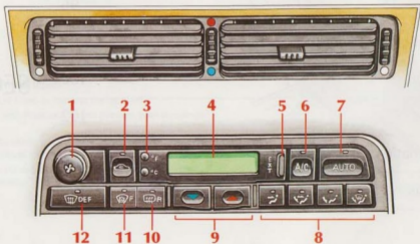
Introduction

The climate control system fitted to this vehicle offers automatic control of temperature, fan speed and air distribution to maintain optimum comfort.

Manual controls are provided to override the automatic settings.

Two levels of climate control are available, a heater and air conditioning system and a heater only version.

Control Panel



Key to illustration on page 96.

1. a) 'Off', push to operate.
b) Rotate for manual fan speed selection.
2. Manual recirculation.
3. Centigrade/Fahrenheit selection buttons.
4. Display panel.
5. External temperature.
6. Air conditioning (not available on heater only system).
7. Automatic operation.
8. Manual distribution:
 - a) Face only.
 - b) Bi-level (Face and feet).
 - c) Feet only.
 - d) Demist (Screen and feet).
9. Temperature selection:
 - a) Decrease.
 - b) Increase.
10. Heated rear screen.
11. Heated front screen (where fitted).
12. Defrost.

System Operation and Button Functions

Switching the System On

The system can be switched on by pressing one of the following:

1. 'AUTO' button – Switches the system on in automatic mode.
2. 'DEF' button – Switches the system on in defrost mode.
3. 'A/C' button (not available on heater only system) – Switches the system on in the last setting with the air conditioning on.
4. 'Push Off' knob – Switches the system on in the last setting.

Automatic Operation



Press 'AUTO' for optimum automatic control under most operating conditions. The word 'AUTO' will appear in the display panel and the temperature, fan speed and distribution will be controlled automatically.

Note: The fans will not operate until the engine is warm (except in defrost). The fan speed is automatically compensated for changes in vehicle speed.

Temperature Selection



The selected interior temperature is shown in the display panel.

Press the 'red' button to increase the temperature. Press the 'blue' button to decrease the temperature.

Note: Automatic temperature control operates between 17°C and 31°C (61°F and 90°F). At the extremes 'HI' and 'LO' provide maximum heating or maximum cooling respectively at maximum fan speed. Fan speed can be manually reduced as required.

Face Vent Temperature Control



This thumbwheel control is located in the centre air distribution vent. The temperature of the face vent air relative to the footwell air can be adjusted by rotating the thumbwheel.

Defrost



Press 'DEF' to direct air to the front screen at maximum fan speed. This also switches on the heated front screen (where fitted). The fan speed can be manually reduced as required. Press 'DEF' again to return to the last setting or press 'AUTO' for automatic control.

Heated Front Screen (Where fitted)



Press to switch on the heated front screen for rapid defrost/demist. It is automatically engaged when 'DEF' is selected but can be independently switched on or off at any time. Automatically switches off after approximately six minutes.

Note: Can only be selected when the engine is running.

Heated Rear Screen



Press to switch on the heated rear screen and heated door mirrors for rapid defrost/demist. It can be independently switched on or off at any time. Automatically switches off after approximately 20 minutes.

Note: Can only be selected when the engine is running.

Manual Fan Speed



Turn the rotary control, either clockwise to increase or anti-clockwise to decrease. The fan speed will be shown in the display panel and the word 'AUTO' will disappear. Press 'AUTO' for automatic control.

Note: The fans will not operate until the engine is warm (except in defrost).

The fan speed is automatically compensated for changes in vehicle speed.



Manual Distribution Overrides

The following options are available:



Face only.



Bi-level (Face and feet).



Feet only.



Demist (Screen and feet).

Press the required button (the word 'AUTO' will disappear from the display panel). Press the button again or press 'AUTO' for automatic control.

Air Conditioning (not available on heater only system)



Press to switch off the refrigeration system. Press again to switch on.

The refrigeration system is automatically engaged when 'AUTO' is selected.

All the year use of air conditioning is recommended for optimum comfort and to reduce interior misting.

Manual Recirculation



Closes the outside air intakes and recirculates air within the vehicle. Prevents unpleasant odours being drawn into the vehicle.

Two options of control are available:

1. Press the button to provide recirculation of interior air for a period of approximately five minutes.
2. Press and hold the button for two seconds to provide continuous recirculation of interior air (Confirmed by two 'beeps'). Press the button again to switch off.



WARNING: Avoid using for prolonged periods in cold weather as this may result in interior misting.

External Temperature



Two options are available for displaying the external temperature:

1. Press the button to provide a display for approximately four seconds.
2. Press and hold the button for two seconds to provide a continuous display of external temperature. (Confirmed by two 'beeps'). Press the button again to switch off.

Centigrade/Fahrenheit Selection



Press '°C' to display temperature in Centigrade.

Press '°F' to display in Fahrenheit.

Switching Off/Ventilation Airflow



Press the 'Off' knob to switch off the climate control system. Air is prevented from entering the vehicle.

If ventilation is required with the system off, press one of the manual distribution buttons, e.g. 'Face' will provide unconditioned air to the face vents when the vehicle is moving.

Note: Heated screen buttons and external temperature display button can be selected when the system is off.

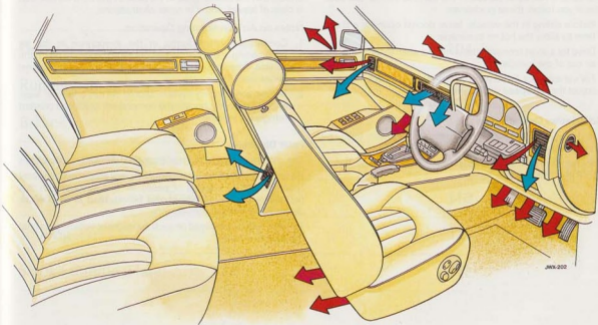
Air Distribution

The illustration on page 101 shows the location of the air vents within the vehicle.

The air distribution is automatically controlled when 'AUTO' is selected. Manual control can be achieved using the distribution buttons.

Additionally, the airflow to the fascia vents and to the rear console vents can be regulated or switched off using the appropriate thumbwheel control. The airflow through these vents may be directed by adjusting the vanes.

CLIMATE CONTROL



6

Hot Weather Operating Tips

If the vehicle has been parked in the sun the interior will cool faster if you follow these guidelines:

- Before sitting in the vehicle, leave door(s) open for a short time to allow the hot air to escape.
- Drive for a short time with the windows open to force the hot air out of the vehicle.
- For vehicles not fitted with air conditioning select 'LO' and adjust the fan speed as required.

Cold Weather Operating Tips

Avoid driving with the system off to prevent humidity build up inside the vehicle.

Do not forget to activate your seat heaters (where fitted). Refer to SECTION 2: Front Seat heaters.

General Information

Ensure that the air inlet grille at the base of the front windscreen is clear of leaves, snow or other obstructions.

Notes on Air Conditioning Operation

1. Condensate which forms at the evaporator in the air conditioning unit is discharged onto the road underneath the vehicle. After stopping, two small puddles of water can form underneath the vehicle.
2. The air conditioning system should be run briefly at least once a week to lubricate the compressor seals and prevent refrigerant leakage.

Fault Diagnosis

The climate control system is equipped with self diagnostics.

If a fault is detected, an error symbol 'Er' will appear in the display accompanied by a series of beeps for five seconds. In this unlikely event the vehicle should be returned to the Jaguar dealer at the earliest convenience.

The error will be displayed on each subsequent vehicle start until the fault is rectified.

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SECTION 7

General Driving Information

Before Starting

Before starting the engine, new owners/drivers should familiarize themselves with the layout and operation of the controls and instruments described on preceding pages.



WARNING: Ensure the handbrake is on and the gear selector (automatic transmission) is in position 'P' or 'N' before attempting to start the engine.

For information on the Anti-lock Braking System (ABS) and notes on engine starting relevant to ABS, refer to pages 108 and 109.

Attention should also be given to items under 'Regular Checks' detailed in the Vehicle Care Handbook.

Disengage the steering lock and start the engine as detailed in SECTION 2.

Before driving off, check the gauges and warning lights. Take special note of any warning light that is on.

Seat belts are provided for your safety and it is unwise and in certain countries illegal to commence any journey, however short, without wearing them.

Warming Up

Do not operate the engine at high rev/min when first started but allow time for the engine to warm up and the oil to circulate. A thermostat is incorporated in the cooling system to assist rapid warming up. In very cold weather it is advisable to run the engine at 1500 rev/min with the vehicle stationary until a rise in temperature is indicated on the gauge.

Hill Climbing and Engine Braking (Vehicles with automatic transmission)

When driving on mountain roads with long gradients it is advisable to move the gear selector lever to position '2'.

For further detailed information refer to SECTION 4: Gear Selector.

Use of the Clutch (3.2 and 4.0 litre – where fitted)

Do not drive with the foot resting on the clutch pedal as this will cause 'Clutch Slip' and excessive wear. Use the footrest.

When the vehicle is stationary with the engine running, select Neutral, release the clutch pedal and apply the hand or footbrake.

Use of Headlamps in Daylight

When visibility is poor the headlamps on dipped beam setting must be switched on so that the vehicle may be seen more easily by other road users. The instrument illumination control adjusts the brightness of the panel lighting.

Emission Control

The emission control systems cover the emission of hydrocarbons, carbon monoxide, oxides of nitrogen and fuel by evaporation.

It is essential that routine maintenance operations are carried out by a Jaguar Dealer at the specified intervals.

Catalytic Converters

A few precautions on the use of vehicles fitted with catalytic converters are necessary. These are:

1. In order to maintain the efficiency of the emission control system it is essential that **unleaded** fuel is used. This fuel minimises spark plug fouling, thereby sustaining engine performance.
2. **Never** leave the vehicle unattended with the engine running.
3. Heavy impact on the converter casings must be avoided as they contain ceramic material which is easily damaged.
4. The engine settings must not be altered; they have been established to ensure that the vehicle will comply with stringent exhaust emission regulations. Incorrect engine settings could cause unusually high catalytic converter temperatures and thus result in damage to the converter and vehicle. If adjustment to the settings is considered necessary; this should be performed by a Jaguar Dealer.
5. A correctly tuned engine optimises exhaust emissions, performance and fuel economy and it is recommended that the vehicle is maintained as detailed in the maintenance schedules.
6. **Do not** continue to operate the vehicle if any engine malfunction is evident; malfunctions should be rectified immediately. For instance, misfire, loss of engine performance or engine run-on may lead to unusually high catalytic converter temperatures and may result in damage to the converters and vehicle.
7. The use of catalytic converters increases exhaust system temperatures therefore do not operate or park the vehicle in areas where combustible materials such as dry grass or leaves may come into contact with the exhaust system.
8. **Do not** run the engine with either a spark plug lead disconnected or a spark plug removed. **Do not** use any device that requires an insert into a spark plug hole in order to generate air pressure e.g. tyre pump, paint spray attachment etc., as this could also result in catalytic converter damage.
9. The vehicle is designed for normal road use. Below are examples of abuse which could damage the catalytic converters and vehicle. These may lead to a dangerous condition due to excessively high catalytic converter temperatures.
 - a) Competition use.
 - b) Off-roadway use.
 - c) Excessive engine speed.
 - d) Overloading the vehicle.
 - e) Excessive towing loads.
 - f) Switching off the engine whilst in gear.

Engine Oil Consumption

A certain amount of oil consumption is normal. The rate of consumption will depend on the following:

- The quality and viscosity of the oil.
- The amount of oxidation and dilution of the oil.
- Climatic conditions.
- The speed at which the engine is being operated.
- Road conditions.

Drivers should expect higher than normal oil consumption when the engine is new, and after 'running-in' should high speeds be sustained.

Exhaust Temperature Warning Light (Japan only)

Warning light comes on if the exhaust temperature becomes abnormally high. It is **unsafe to run the engine in an over-heated condition.**

Refer to instructions given in SECTION 3: Warning Lights for the exhaust temperature over-heating warning system when the warning light comes on.

Roof-rack

Only the Jaguar roof-rack should be used. The maximum load including the rack must not exceed 100 kg (221 lb) and **must** be deducted from the maximum luggage load (see the Vehicle Care Handbook). Any load on the roof-rack may affect the handling of the vehicle especially in crosswinds or when cornering.

Solar Sensor

A solar sensor unit is located on top of the fascia below the windscreen. During adverse driving conditions (e.g. snow or muddy roads) it is important to keep the area of the windscreen in direct line with the solar sensor clean.

Winter Driving

Freeing a Frozen Door Lock

Caution: Do not apply a proprietary Lock De-icer through the keyhole.

Should the lock become frozen, gently heat the insertion end of the key before use.

Windscreen Wiper Blade

Before driving away, clear any ice from the windscreen and check that the wiper blade is free.

Frost Precautions

The correct concentration of coolant must be maintained at all times when 'topping up' or 'refilling the cooling system (see SECTION 3 of the Vehicle Care Handbook).

Driving in Snow

The ambient temperature sensor is located within the brake cooling duct area, therefore it is essential that this area is not obstructed by a build up of snow, mud and ice.

Snow Chains

Snow chains of the recommended type may only be fitted to rear wheels. Contact your Jaguar Dealer for details and availability of approved snow chains.

The maximum speed when using snow chains is 48 km/h (30 mph).

Remove the snow chains immediately the roads are clear of snow.

Ensure the fitting instructions supplied with the snow chains are kept in a safe place, i.e. the vehicle literature pack.

Winter (Snow) Tyres

The use of winter tyres will considerably improve the vehicle's handling in adverse winter conditions.

Winter tyres must be used in vehicle sets, i.e. fitted on all four wheels, see the Vehicle Care Handbook for recommended tyres and tyre pressures.

Running-in

Apart from a few precautionary recommendations, there are no strict 'running-in' procedures for this vehicle.

By observing the following advisory notes you will ensure maximum engine, transmission and brake life for your vehicle.

1. Allow the engine to warm up thoroughly before operating at engine speeds over 3500 rev/min.
2. Vary the speed frequently, and where a manual gearbox is fitted, change to the next higher gear in good time.
3. Avoid allowing the engine to labour; change down to a lower gear promptly when on uphill gradients.
4. From 1500 kilometres (1000 miles) onwards, gradually increase performance of the vehicle up to the permitted maximum speed.
5. If possible, avoid full use of the brakes for the first 150 kilometres (100 miles) in town or for the first 1500 kilometres (1000 miles) on motorway driving. Pay particular attention to the information detailed on page 108.

Brakes

The front and rear disc brakes are on separate brake circuits. Should one of the brake circuits fail, the other circuit will still operate. If one circuit fails brake pedal travel and effort will increase, however if it is the front circuit which fails, considerably greater travel and effort will be required to stop the vehicle. In this event consult a Jaguar Dealer **immediately**.

Running-in Procedure

To ensure that the brake friction linings can 'bed-in' evenly and reach their optimum wear, performance condition, the following points are recommended.

1. Where possible, avoid heavy braking or rough usage of the brakes as this can result in damage being caused to the friction linings and brake discs.
2. Avoid prolonged use of the brakes, for example, when descending severe gradients.
3. Frequent light applications of the brakes are desirable. This helps to obtain full 'bedding-in' of the brake linings before the normal running-in period is completed and the vehicle is operated at high speeds, when maximum brake efficiency will be required.

The above equally applies when new discs or pads have been fitted.

Anti-lock Braking System (ABS)

This system helps to prevent the road wheels from locking and skidding during emergency braking, assisting the driver to maintain full steering and directional stability.

The factor controlling ultimate stopping distance and cornering ability is tyre/road adhesion.

The Anti-lock Braking System optimises the use of adhesion under maximum braking conditions though it cannot provide increased cornering ability. The degree of control provided eliminates the need for special braking techniques to achieve optimum braking distances and control on poor or slippery road surfaces. Tyres must of course be in good condition to achieve maximum adhesion.

It still remains the responsibility of the driver to adapt his/her driving style to the prevailing road and weather conditions, especially if there is a risk of aquaplaning (where the tyres are prevented from contacting the road surface by a layer of water), or when braking on loose gravel or snow.

During normal braking the anti-lock system will not be activated. However, if the braking force applied begins to exceed tyre/road adhesion the Anti-lock Braking System will automatically activate preventing the road wheels from locking. In these circumstances a pulsating effect will be felt from the brake pedal indicating that the system is functioning.

Under severe braking on some road surfaces tyre noise may be apparent even though the wheels will at no time become locked.

**WARNING:**

1. In all cases it remains the drivers responsibility to drive safely according to the prevailing conditions.
2. The fact that a vehicle is fitted with ABS must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users.
3. The addition of ABS cannot overcome the consequences of trying to stop in too short a distance, cornering at too high a speed, or the risk of aquaplaning – where the tyres are prevented from contacting the road surface by a layer of water.
4. The driver should always take road conditions into account. A slippery road surface always requires more braking distance for a given speed, even with ABS. Possible extensions of stopping distance compared to locked wheels may occur during ABS operation on slushy snow, gravel, sand or certain heavily corrugated or ridged warning sections of road surfaces.

The ABS electronics monitor the entire anti-lock electrical system from ignition switch ON to ignition switch OFF. Any malfunction will be indicated by the anti-lock warning light coming on.

Should a fault develop in the ABS system, the brake system will still operate conventionally and with the same standard of performance as vehicles not equipped with ABS.

Caution: Should the warning light come on while driving, a system failure is indicated, consult a Jaguar Dealer immediately.

Towing a Caravan or Trailer

Your Jaguar Dealer, the main motoring and caravanning organisations can advise you on towing, towing weight capacities and about regulations that apply in other countries.

The following are important points of safety, stability and comfort upon which further advice should be sought:

- The laden caravan or trailer should not exceed 85% of the towing vehicle's kerbside weight. Jaguar engineers closely follow this formula and recommend a maximum towing weight of 1500 kg (3307 lb).
- The kerbside weight of the vehicle can be found in the Vehicle Care Handbook.
- The maximum loading of the vehicle is 420 kg (926 lb) which includes people and luggage. When towing, the noseweight of the caravan or trailer and the towbar assembly must be deducted from the permissible maximum load.
- The recommended maximum tow ball noseweight is 75 kg (165 lb).
- It is essential that only a Jaguar tow bar and Jaguar electrical tow bar kit are supplied and fitted by a Jaguar dealer.

Caution: The use of an electrical kit not specifically designed for this Jaguar will damage the electrical system of the vehicle.

- The use of catalytic converters increases exhaust system temperatures (particularly under engine malfunction) therefore do not operate or park the vehicle in areas where combustible materials such as dry grass or leaves may come into contact with the exhaust system.
- Avoid heavy braking during which the Anti-lock Braking System (ABS) comes into action. Since the overrun brake on the caravan or trailer is not connected to the 'ABS' system, excessive caravan or trailer braking could critically affect the stability of the outfit as a whole.
- Ensure that the towing vehicle's engine, transmission, suspension, brakes and tyres are fully efficient and regularly serviced. Similarly check the wheels, tyres, brakes and wheel bearings of the caravan or trailer.

Touring

Foreign Travel

Before planning foreign travel, check with a motoring organisation to ensure that your vehicle will comply with legal requirements of the countries you intend to visit.

It is advisable to carry vital spare parts to ensure against a breakdown in a remote area.

A touring kit (available in the United Kingdom) containing a selection of basic items is available from the Jaguar accessory range.

International motoring organisations are helpful for all aspects of long distance touring advice.

It is a requirement in some countries to carry a spare set of vehicle bulbs.

First Aid Kit

A first aid kit is compulsory equipment in certain countries. Your Jaguar Dealer can supply a first aid kit.

Fire Extinguishers

Many countries make it compulsory to carry a fire extinguisher. Your Jaguar dealer can supply and fit one.

Petroleum Spirit in Containers

Some countries forbid the carrying of petrol in containers, as do most ferry and hovercraft operators.

Cellular Radio Telephones in Tourist's Vehicles Abroad

Ask your motoring organisation about the use of cellular radio telephones before travelling abroad, as some countries exercise controls on the importation and use of such equipment.

Jaguar Warning Triangle

A warning triangle to give following traffic advanced notice of a disabled vehicle is compulsory in many countries. A triangle, designed to international standards, is available from a Jaguar Dealer, if not supplied as standard equipment.

Hazard warning lights must be used with the warning triangle.

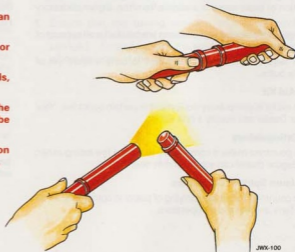
Smoke candle (Flare) (Japan only)

The smoke candle should only be used on express ways and railway crossings in an emergency.

To operate: Remove the smoke candle from its holder on the driver's door pillar trim panel near the footwell. Twist the body and pull from the holder. Read and observe the instructions printed on the smoke candle.

**WARNING:**

1. The smoke candle should be used only for an emergency signal.
2. It may cause burns if directed towards a face or body when igniting and/or smoking.
3. Do not use around any inflammable materials, e.g. petrol, etc.
4. The operating time is around five minutes. The vehicle's hazard warning lights should also be used with the smoke candle.
5. As soon as the effective expiry date shown on the body is reached, fit a new smoke candle.



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