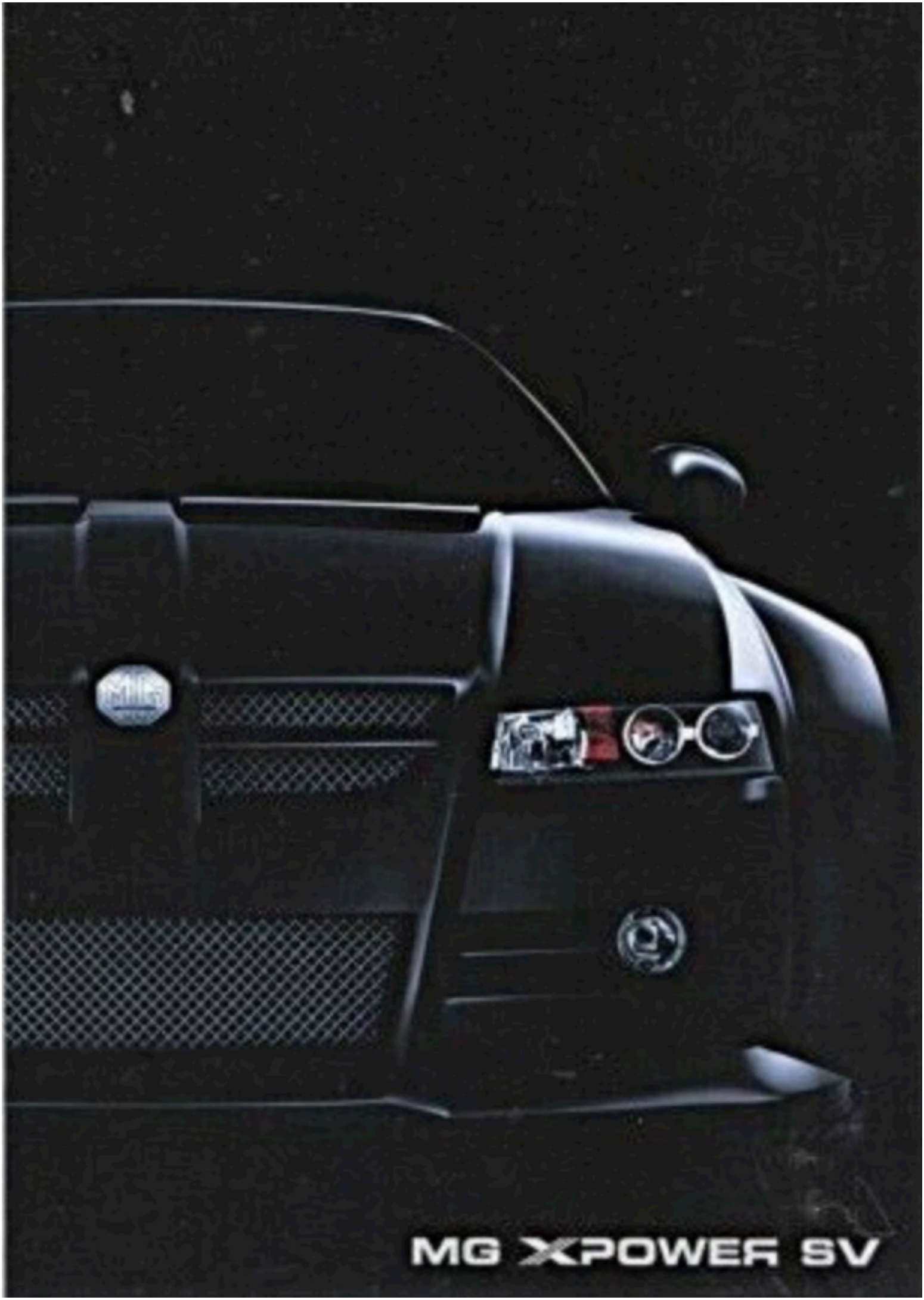
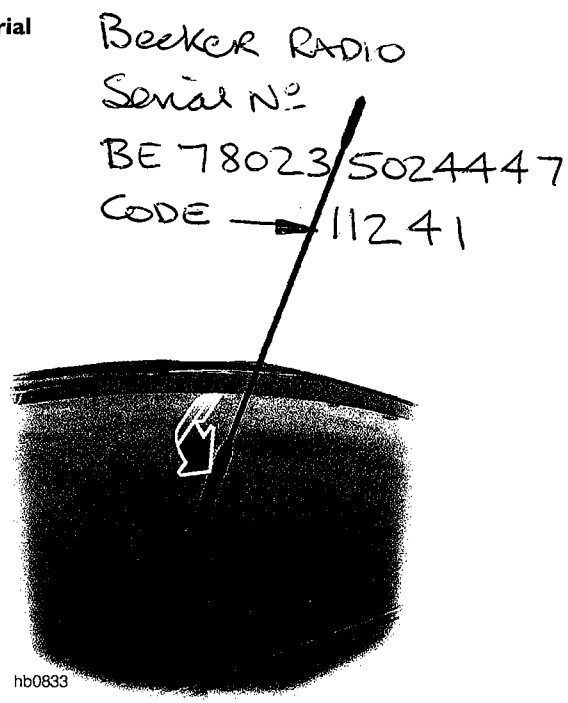

MG XPOWER SV

AUDIO SYSTEM

If an audio system was specified at the time the car was ordered, it will have been fitted before the car was delivered, and a separate audio system operating manual will have been supplied.

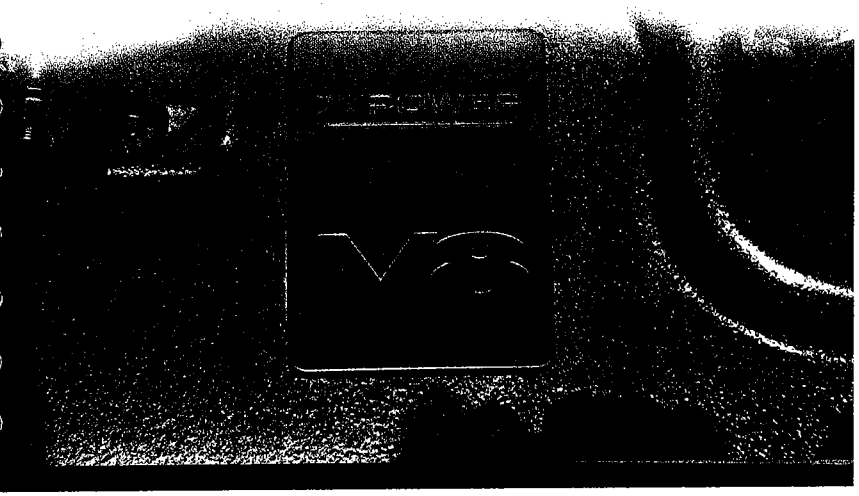
Radio aerial



⚠ ***Always unscrew and remove the aerial before entering an automatic car wash.***

SECTION 3

Maintenance



ROUTINE SERVICING

The safety, reliability and performance of your car depends on correct maintenance. All routine services (listed in the 'Service History' section), owner maintenance operations, brake fluid and coolant changes must be carried out according to the manufacturer's recommendations.

Service History

The Service History section of this handbook (see *'Section 7'*) enables a record to be kept of all routine services carried out on the car. this section of the book also provides a facility to record brake fluid and coolant changes, as well as the fitting or replacement of major components.

Ensure the appropriate Service Record is signed and stamped after each service.

Brake fluid replacement

Brake fluid requires replacement every two years, irrespective of the distance the car has travelled.

NOTE: Brake fluid replacement will be an additional cost.

Coolant replacement

Engine coolant must be replaced every four years regardless of the distance the car has travelled. The MG XPower Authorised Repairer or servicing garage will replace the coolant at the service nearest the conclusion of each four year period.

NOTE: Coolant replacement will be an additional cost.

EMISSION CONTROL

The emission and evaporative control equipment fitted to your car meets specific territorial requirements. Unauthorised replacement or modification could be unlawful and subject to legal penalties.

Engine settings have been established to ensure your car complies with stringent exhaust emission regulations. These must not be disturbed. Incorrect engine settings may adversely affect exhaust emissions, engine performance and fuel consumption, as well as causing damage to the catalytic converter and engine.

OWNER MAINTENANCE

In addition to routine services, check the following regularly:

Daily checks:

- Operation of lights, horn, indicators, wipers, washers, warning lights, seat belt harnesses and brakes.
- Look for fluid deposits under the car that might indicate a leak.

Weekly checks:

- Engine oil level *(check more frequently if long distances are covered, or high speed driving is undertaken).*
- Coolant level.
- Brake fluid level.
- Windscreen washer fluid level.
- Power steering fluid level.
- Tyre pressures and condition.
- Operate air conditioning.

⚠ ***Any significant or sudden drop in fluid levels, or uneven tyre wear, should be reported to an Authorised Repairer.***

SPECIAL OPERATING CONDITIONS

In dusty conditions, or extreme, sub-zero or very high ambient temperatures, more frequent servicing may be necessary. Contact an Authorised Repairer for advice.

SERVICING AND REPAIR

In various places throughout this Handbook, you are advised to seek advice from your nearest MG XPower Authorised Repairer.

The reason for this is that to benefit from the MG XPower warranty, any necessary warranty work must be carried out by an MG XPower Authorised Repairer. This restriction also applies to recall work and complimentary servicing (if any).

You are, of course, free to use an independent repairer for any non-warranty repair or servicing work, provided that this work is completed in accordance with the manufacturer's servicing and repair schedule. You may lose the benefit of your warranty, where faulty repair or servicing is carried out by an independent repairer during the warranty period.

SAFETY IN THE GARAGE

Cooling fans may operate after the engine is switched off. Keep clear of fans, drive belts and pulleys.

Always be aware of the following precautions:

- Wait for the engine to cool before touching the engine, exhaust and cooling systems.
- Do not touch electrical components with the ignition switched on.
- NEVER leave the engine running in an unventilated area - exhaust gases are poisonous and extremely dangerous.
- Keep sparks and naked lights away from the engine compartment.
- Wear protective clothing including gloves.
- Remove metal wrist bands and jewellery and DO NOT allow tools or metal items to contact battery leads or terminals.

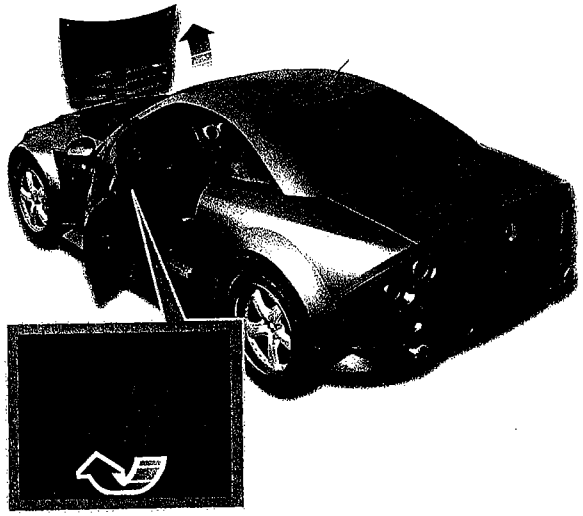
Automotive fluids

It is illegal to pollute drains, water courses or soil. Use authorised waste disposal sites to dispose of used oil and toxic chemicals.

Automotive fluids, including: battery acid, antifreeze, brake fluid, petrol, engine oil and washer additives are poisonous. Do not consume or bring into contact with open wounds.

Obey all instructions printed on labels and containers.

OPENING THE MAINTENANCE HATCH



hb0811

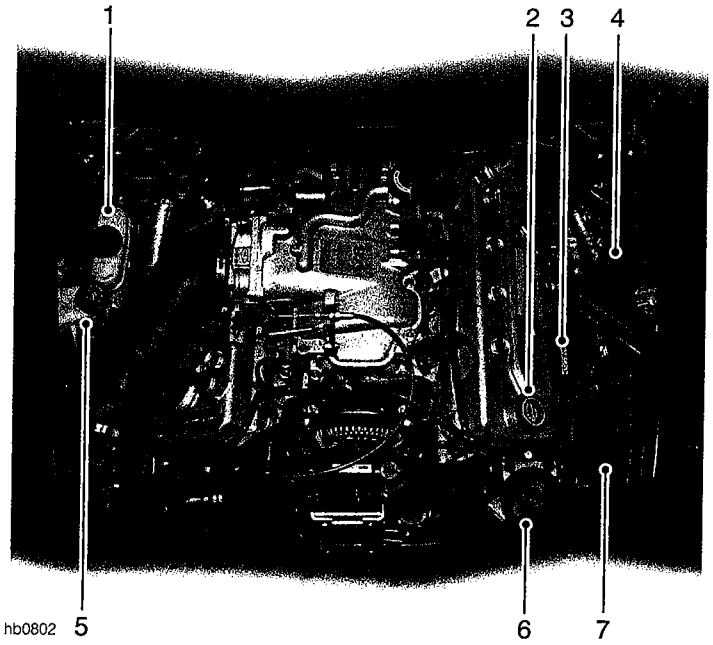
Pull the release lever in the left-hand footwell, then raise the hatch.

Closing the maintenance hatch

Lower the hatch, allowing it to drop for the last 100 mm. Then, to engage the locks, press firmly down on each side of the rear edge of the hatch in turn. The locks will be heard to engage.

Before driving, check that the locks on both sides of the hatch are fully engaged by attempting to lift the hatch - there should be no movement.

COMPONENT LOCATIONS



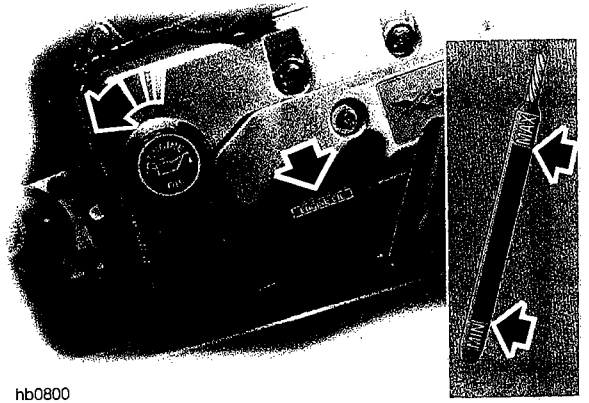
Maintenance hatch removed for illustration purposes

1. Brake fluid reservoir
2. Engine oil filler
3. Dipstick
4. Cooling system reservoir
5. Washer reservoir
6. Power steering reservoir
7. Fuse box

ENGINE OIL

Check and top-up

⚠ ***Driving with the oil level above the dipstick 'MAX' mark, or below the 'MIN' mark will damage the engine.***



Check the level with the engine cold and the car on level ground. If the engine is warm, wait 5 minutes before checking.

1. Remove the dipstick, wipe clean and replace.
2. Remove the dipstick again and check the oil level.
3. If necessary, remove the filler cap and add oil. After adding oil, wait 5 minutes then check the level again.
4. Replace the dipstick and filler cap (tighten until cap 'clicks').

If the level is:

- nearer the 'MAX' mark, add no oil.
- nearer the 'MIN' mark, add one litre of oil.
- at or below the 'MIN' mark, add two litres.

Only use the engine oil specified under *'FLUID SPECIFICATIONS', page 5-7.*

NOTE: Oil additives are not recommended.

COOLANT RESERVOIR
Check and top-up

⚠ ***DO NOT remove the reservoir cap when the engine is hot - escaping steam or water could cause serious injury.***

⚠ ***Antifreeze is poisonous and can be fatal if swallowed - keep away from children. If antifreeze contacts the skin or eyes, rinse with water. If fluid is swallowed, seek medical attention immediately.***

hb0801

Check coolant with the engine cold and the car on level ground. Top-up with a 50% mix of water and antifreeze, maintaining the level between the marks on the reservoir.

Use only the antifreeze specified under *'FLUID SPECIFICATIONS', page 5-7*. DO NOT use rust inhibitors or other additives.

When replacing the cap, tighten until the cap 'clicks'.

Antifreeze

Antifreeze contains important corrosion inhibitors. The antifreeze content of the coolant must be maintained at 50% ± 5% all year round.

IMPORTANT
To prevent premature corrosion of the radiator and engine, the coolant should be checked once a year and completely renewed every four years.

BRAKE FLUID RESERVOIR
Check and top-up

⚠ ***DO NOT drive if the fluid level is below the lower mark on the reservoir.***

⚠ ***Fluid is highly toxic - keep away from children. If fluid contacts the skin or eyes, rinse with water. If fluid is swallowed, seek medical attention immediately.***

⚠ ***Fluid is inflammable - spillage onto a hot engine could result in fire. Fluid may also damage painted surfaces.***

hb0803

The fluid level may fall slightly during use (as a result of brake pad wear) and will need to be topped-up.

Wipe the filler cap clean and unscrew ¼ turn. Top-up to the 'MAX' mark using a recommended fluid (see *'FLUID SPECIFICATIONS', page 5-7*). Use new fluid from a sealed container only.

⚠ ***If brake pedal travel is unusually long, or there is a large drop in fluid level over a short period, contact an authorised repairer before driving.***

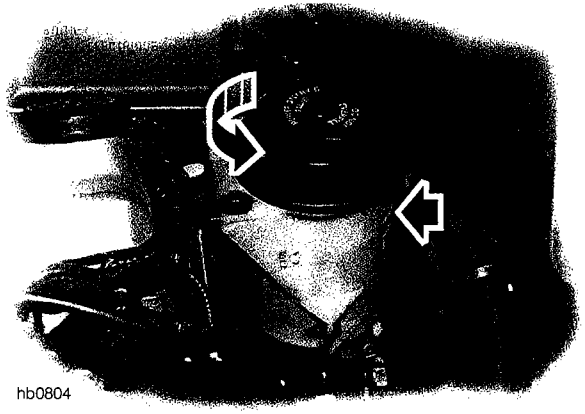
IMPORTANT
The fluid in the braking system must be replaced every two years regardless of distance travelled.

Engine Compartment

POWER STEERING RESERVOIR
Check & Top-up

⚠ ***Fluid is highly toxic - keep away from children. If fluid contacts the skin or eyes, rinse with water. If fluid is swallowed, seek medical attention immediately.***

⚠ ***Fluid is inflammable - spillage onto a hot engine could result in fire. Fluid may also damage painted surfaces.***



hb0804

Check the fluid level when the engine is cold and with the car on a level surface and the front wheels pointing straight ahead, as follows:

1. Carry out an initial check. If the level is below the lower mark on the reservoir, top-up BEFORE starting the engine, or the steering pump could be damaged. Continue as follows:
2. Start the engine and allow to idle.
3. Turn the steering wheel right and left several times.
4. Switch off the engine and check the fluid level, which should be between the upper and lower marks on the reservoir (arrowed).

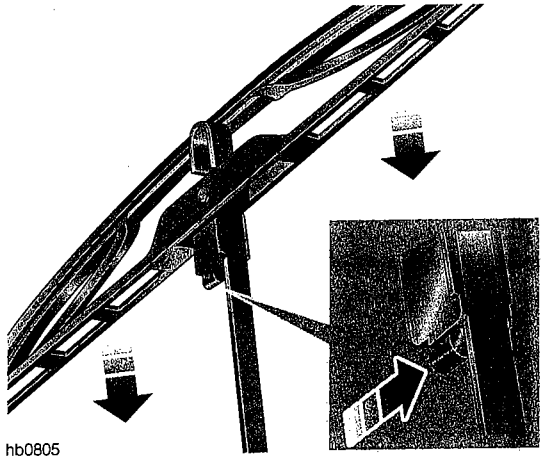
If a top-up is required, wipe the filler cap clean, unscrew the cap ¼ turn and pull to remove. Top-up to the upper mark using a recommended fluid (see *'FLUID SPECIFICATIONS', page 5-7*). DO NOT overfill!

Any frequent need to top-up should be investigated by an Authorised Repairer.

WIPER BLADES

IMPORTANT
• Grease, silicon and petroleum products impair the blade's wiping capability. Regularly wash blades in warm soapy water.
• Check for signs of hardness or cracking in the rubber. If a wiper leaves streaks or unwiped areas, replace the blade.
• Clean the screen regularly with an approved glass cleaner.

Replacing wiper blades



hb0805

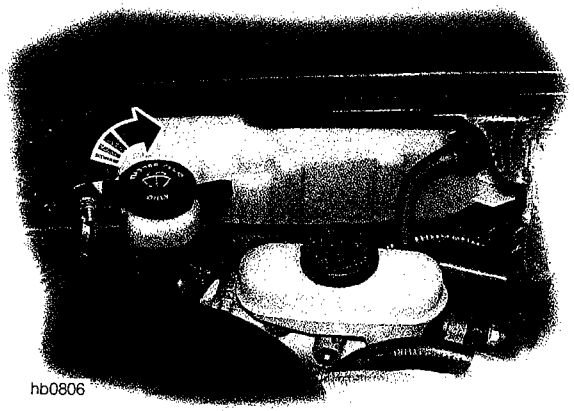
1. Lift the wiper arm away from the windscreen.
2. Turn the blade at right angles to the arm.
3. Push in the locking tab while sliding the blade down the arm.

To replace: position the new assembly on the wiper arm and slide the blade towards the hooked end of the arm until it locks into place.

NOTE: Left and right wiper blades differ in length (LH =53 cm, RH = 55 cm). Only fit replacements identical to the original specification.

WINDSCREEN WASHERS

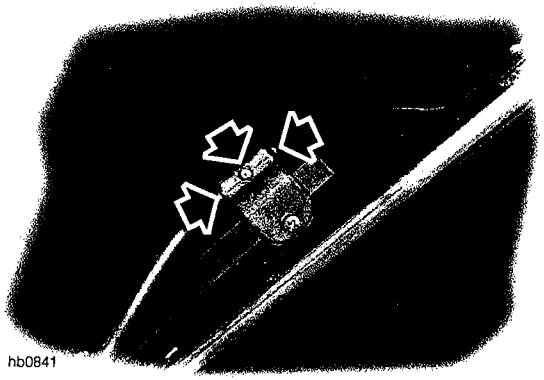
⚠ ***High concentrations of some screenwash products are inflammable - keep away from naked flames.***


hb0806

Top-up only with a mixture of water and screenwash. Never use an antifreeze solution - antifreeze will damage painted surfaces.

NOTE: Always follow the screenwash manufacturer's instructions - undiluted screenwash may cause paint to discolour.

WASHER JETS


hb0841

Underside of wiper arm illustrated

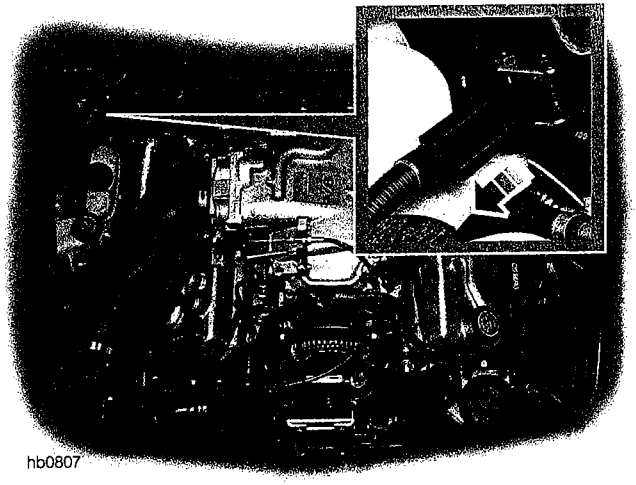
Washer jets are set during manufacture and should not need adjusting. If necessary, use a needle in the jet orifice to clear blockages, or lever gently to redirect the spray towards the centre of the screen.

BATTERY

The battery is maintenance free, so topping-up is unnecessary.

Battery disconnection

⚠ ***Remove any metal wrist bands and jewellery before working near the battery and do not allow the battery terminals or cables to make contact with tools or metal parts of the car.***


hb0807

Maintenance hatch removed for illustration purposes

1. Open both doors (windows will lower slightly to enable the doors to be opened and closed with the battery disconnected).
2. Open the maintenance hatch and locate the battery negative ('-') cable connector (see illustration above).
3. Disconnect the two halves of the cable connector (see inset).

Battery replacement

Battery replacement should only be carried out by an Authorised Repairer or suitably qualified independent repairer.

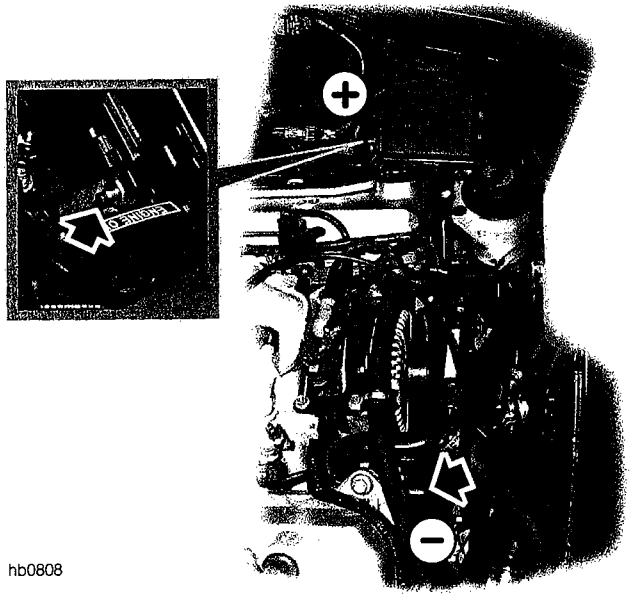
IMPORTANT
• DO NOT reverse the polarity - damage may be caused if the battery leads are connected to the wrong terminals. • Keep the battery upright at all times - damage will be caused if the battery is tilted more than 45°. • NEVER run the engine with the battery disconnected, or disconnect the battery while the engine is running.

Battery disposal

Batteries are environmentally hazardous, and should be recycled. Seek advice from an Authorised Repairer or local authority.

Battery charging

Do not attempt to remove the battery from the car.



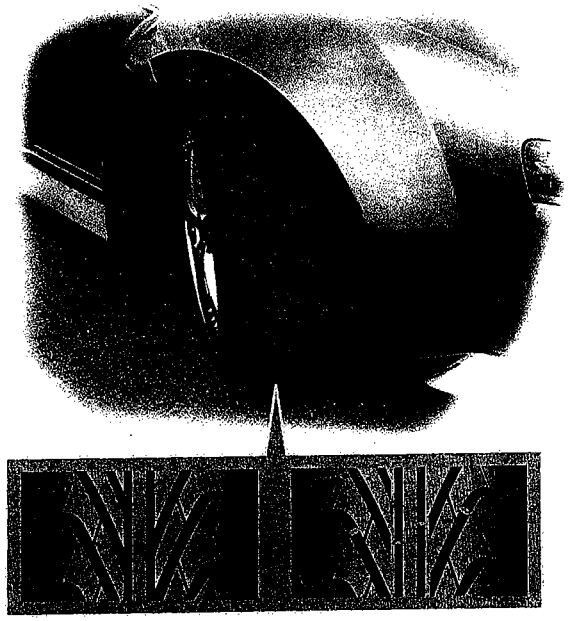
hb0808

1. Attach the positive lead from the battery charger to the auxiliary positive terminal on the side of the engine compartment fuse box (see inset in illustration).
2. Attach the negative lead from the battery charger to the engine earth point arrowed in main illustration.
3. Switch off the battery charger BEFORE disconnecting the leads and leave for one hour before restarting the car to allow time for explosive gases to disperse.

Batteries generate explosive gases, contain acid and produce levels of current sufficient to cause serious injury. Take precautions as follows:

- Attach the battery charger leads BEFORE switching on the charger. Do not move the leads once the charger is switched on.
- Shield your eyes, or avoid leaning over the battery.
- Keep the battery area well ventilated and free from naked lights.

TYRE WEAR INDICATORS



hb0809

Wear indicators moulded into the tread pattern come to the surface once tread depth has worn to 1.6 mm. This creates a continuous band of rubber across the width of the tyre and indicates that insufficient tread remains to provide good traction.

Once an indicator reaches the surface, the tyre no longer complies with minimum tread depth legislation, and must be replaced.

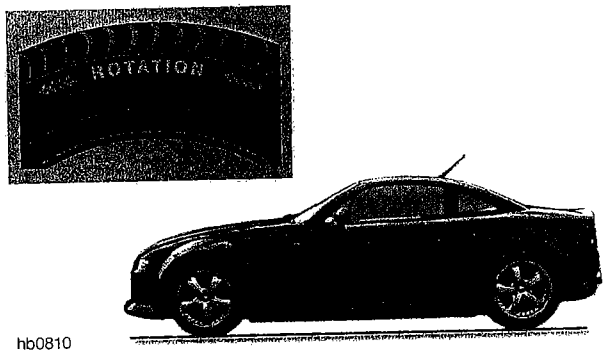
NOTE: If wear is uneven or excessive, wheel alignment should be checked.

REPLACEMENT TYRES

⚠ ***For your safety, fit ONLY wheels and tyres that match the specifications shown in the Technical Data section.***

Wheel rims and tyres are matched to suit the car's handling characteristics. It may be dangerous to fit replacements that do not comply with the original specification (see *'WHEELS AND TYRES', page 5-5*). Also, ensure the load and speed ratings (shown on the side wall) equal or exceed those of the original equipment.

NOTE: Different sizes are specified for front and rear tyres. Therefore, wheels must not be swapped from front to rear or vice versa.



hb0810

Your car is fitted with directional tyres. An arrow on the tyre wall shows the direction of rotation and may also include the word 'ROTATION' or 'DIRECTION'. These tyres must be fitted to rotate in the direction of the arrow when the car is moving forward.

For this reason, wheels must not be swapped from one side of the car to the other, and replacements must be fitted with regard for axle/ wheel rotation.

⚠ ***Road holding will be seriously impaired if directional tyres are fitted the wrong way round.***

CARING FOR YOUR TYRES

⚠ ***Do not drive if any tyre is damaged, excessively worn, or inflated to an incorrect pressure.***

The most common causes of tyre failure are:

- Bumping against kerbs
- Driving over deep potholes
- Driving with under or over-inflated tyres

Always drive with consideration for the condition of the tyres, and regularly inspect the tread and side walls for bulges, cuts or wear.

Tyre pressures

Incorrectly inflated tyres wear more rapidly, affect the car's handling, and are more prone to damage. Check the pressures every week, when the tyres are cold (see *'TYRE PRESSURES', page 5-5*).

If tyres are warm (after driving for a mile or more (1.6 km), the pressures will have increased between 4 and 6 lbf/in^2 (0.28 and 0.41 bar). Do not let air out of warm tyres in order to match the recommended pressures.

Valves

Fit the valve caps securely to prevent dirt from entering the valve. Periodically check the valves for leaks (listen for tell-tale hissing).

Punctured tyres

Tyres may not lose pressure immediately when penetrated, provided the object remains in the tyre. If you are aware of this occurring, reduce speed and drive with caution until repairs can be undertaken.

A puncture of this kind will eventually cause the tyre to lose pressure, which is why regular checking of tyre pressures is important. Damaged or punctured tyres must be repaired or replaced as soon as possible.

WINTER TYRES

Winter tyres are available as an accessory from your MG XPower Distributor or Authorised Repairer. When purchasing winter tyres, ensure that they match the specification listed under *'WHEELS AND TYRES', page 5-5*. In the interest of safety, all winter tyres used should be made by the same manufacturer and be of the same tread configuration.

Only fit winter tyres which have been approved for use on your car.

SNOW CHAINS

Snow chains could damage tyres, wheels, suspension, brakes or bodywork. Only fit chains that have been approved for use on your car.

In use, observe the following:

- Fit snow chains to the rear wheels only.
- Adhere to the fitting and retensioning instructions and the speed limitations for varying road conditions.
- DO NOT exceed 30 mph (50 km/h).
- Avoid tyre damage and excessive chain wear by removing snow chains when roads are free from snow.

WASHING THE BODYWORK

⚠ ***Some high pressure cleaning systems will penetrate door, hatch and window seals and damage locks.***

⚠ ***DO NOT aim water jets directly at grilles or air intakes or at other components that might easily be damaged.***

NOTE: Avoid washing the car in direct sunlight. Do not use hot water, washing-up liquids and detergent cleaning products.

Before washing, use a hose to flush grime and grit from the bodywork. Wash the car with cold or lukewarm water containing a good quality wash and wax shampoo. Rinse with clean water and wipe dry with a leather to eliminate smears. Do not aim a hose at window and door seals, air intakes, the front grilles, the maintenance hatch or through wheel apertures onto brake components.

Removing tar spots

Use white spirit to remove tar spots and stubborn grease stains, then wash immediately with soapy water.

Cleaning the underside

During winter months, use a hose to wash the underside. Flush away accumulations of mud and salt in those areas where debris easily collects (wheel arches and panel seams).

Polishing the bodywork

Use a good quality polish containing a very mild abrasive that will remove contamination without damaging the surface, a mild filling compound to reduce the appearance of scratching, and wax to provide a protective coating over the surface.

⚠ ***DO NOT use cutting paste, colour restoration compounds, or polishes containing harsh abrasives.***

Damage and restoration

Repairs to bodywork should only be carried out by an Authorised Repairer.

Wiper blades

Wash in warm soapy water. DO NOT use spirit or petrol based cleaners.

Windows and mirrors

Windscreen: Use a proprietary glass cleaner, particularly after washing the car with wash and wax products, and before fitting wiper blades.

Rear screen: Clean the inside with a soft cloth, using a side to side motion. DO NOT scrape or use abrasive cleaning compounds - this will damage the heating elements.

Mirrors: Mirror glass is particularly susceptible to damage; DO NOT use abrasive cleaning compounds or metal scrapers.

CLEANING THE INTERIOR

Plastic materials

Clean with diluted upholstery cleaner, then wipe with a damp cloth.

Carpet and fabrics

Clean with diluted upholstery cleaner - test a concealed area first.

Leather

Clean with warm water and a non-detergent soap. Dry and polish with a dry, clean, lint-free cloth.

NOTE: DO NOT use petrol, detergents, furniture creams or polishes.

Instruments, clock and audio system displays

Clean with a dry cloth. DO NOT use cleaning fluids or sprays.

Seat belt harnesses

Clean the webbing with warm water and a non-detergent soap. Allow to dry naturally.

NOTE: DO NOT use bleaches, dyes or cleaning solvents, and avoid contaminating the webbing with polish, oil and chemicals.

SECTION 4

Emergency Information

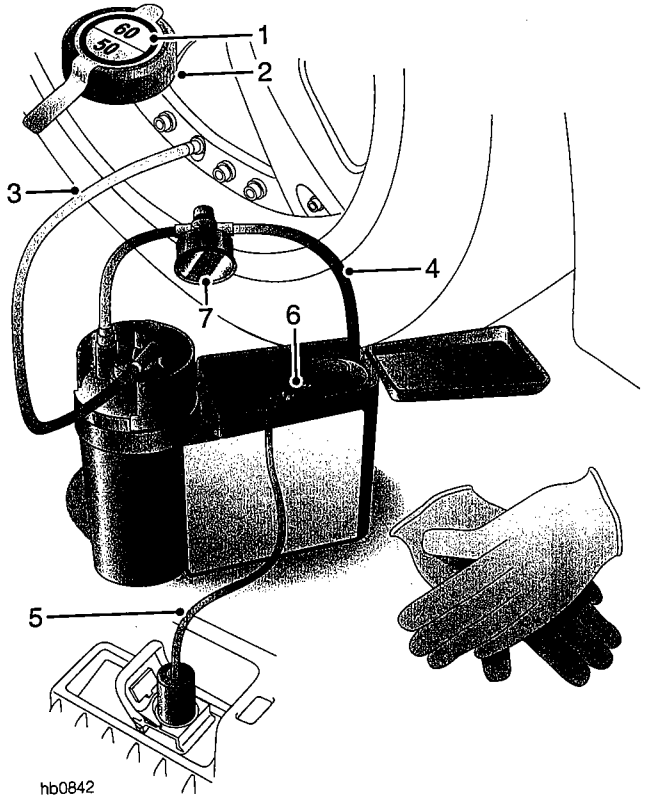
TOOL KIT COMPONENTS

hb0845

1. Gloves
2. Cross-head screwdriver
3. Towing eye
4. Pliers
5. Socket extension with 17 mm socket
6. 'T-bar'

EMERGENCY TYRE REPAIR KIT*

⚠ ***ALWAYS read and obey all instructions and warnings printed on the tyre sealant canister.***



hb0842

1. Speed warning label
2. Canister compartment cap
3. Tube - canister to tyre valve
4. Tube - compressor to canister
5. Electrical lead to accessory socket
6. Compressor switch
7. Pressure gauge

TYRE REPAIR

The tyre repair kit, located in the luggage compartment, provides a temporary solution to enable you to reach a tyre specialist. You are advised to have the tyre repaired or replaced as soon as possible.

NOTE: The kit can be used to repair small punctures in the tread only. In the event of side wall or severe tread damage, seek assistance from the breakdown services.

If possible, stop in a safe place away from the road. Ask your passenger to vacate the car and wait in a safe area away from traffic. Always switch on the hazard warning lights to alert other road users.

SAFETY PRECAUTIONS

⚠ ***Follow directions attached to the side of the repair kit and wear the protective gloves when using the tyre sealant.***

⚠ ***Tyre sealant contains chemical ingredients which are harmful if consumed, inhaled or absorbed through the skin.***

- ***If swallowed, DO NOT induce vomiting - seek medical assistance immediately.***
- ***If inhaled, breathe fresh air - inhalation of sealant vapours may cause dizziness and drowsiness. If breathing is adversely affected, seek immediate medical assistance.***
- ***If in contact with the eyes, immediately flush the eyes with water for 15 minutes. If irritation persists, seek medical assistance.***

⚠ ***Store the repair kit in its correct location in the luggage compartment; temperatures in other locations may exceed safe storage conditions.***

⚠ ***Under no circumstances should speeds of 50 mph (80 km/h) be exceeded while driving with a repaired tyre.***

⚠ ***Under no circumstances should you continue your journey with a deflated tyre - this is extremely dangerous.***

IMPORTANT

- The repair kit compressor is for emergency use only. Excessive use may damage the auxiliary power socket.
- Do not operate the compressor for more than 8 minutes at a time. Extended use could cause the compressor to overheat, causing permanent damage.

Using the kit

1. Inspect the deflated tyre for cause of failure. DO NOT remove foreign bodies (e.g. screws or nails) from the tread, and remember that the repair kit cannot be used successfully to repair side wall or severe tread damage.
2. Remove the speed warning label from the top of the repair kit and attach to the centre of the steering wheel. Pull to remove the cap from the top of the canister compartment.
3. Inside the repair kit you will find disposable protective gloves and a paper towel.
4. Remove the valve cap from the punctured tyre.
5. Vigorously shake the repair kit (for approximately 30 seconds), then screw the tube from the canister onto the tyre valve.
6. Screw the tube from the compressor compartment to the top of the canister.
7. Plug the electrical lead into the accessory socket inside the car.
8. Switch on the compressor (press the 'I' portion of the switch) and allow to run for a maximum of eight minutes, or until the pressure on the integral pressure gauge exceeds 2,5 bar (36 lbf/in²).
9. Switch the compressor off, detach and stow the electrical lead, and the compressor and canister tubes.
10. Provided the required pressure was achieved and the wheel rim is properly clear of the ground, drive the car IMMEDIATELY for a minimum distance of one mile (2 km), at 15 to 35 mph (20 - 60 km/h). This will spread the sealant evenly inside the tyre.

    NOTE: If the wheel rim does not lift from the ground, DO NOT drive the car; seek assistance from the breakdown services.
11. After approximately one mile (2 km) stop the car. Attach the compressor tube **directly onto the tyre valve** and switch on the compressor to check the tyre's pressure.
12. Provided the pressure is stable (2,5 bar, or 36 lbf/in² minimum), continue driving. Drive carefully and DO NOT exceed 50 mph (80 km/h). Have the tyre repaired/replaced as soon as possible.

⚠ ***Always inform the tyre repairer that tyre sealant has been used. Deflate only in a well ventilated area.***

Replacing the sealant canister

The expiry date of the sealant canister is shown on the label attached to the repair kit. Always replace a used or out of date canister with one of the same type and capacity.

To access the canister, unscrew the upper part of the canister compartment. Where possible, return the canister to an Authorised Repairer for safe disposal and to obtain a replacement.

Emergency Tyre Repair

FUSES

Fuses are circuit breakers that protect the car's electrical equipment and systems in the event of a malfunction, by cutting off power from the equipment that the fuse is protecting.

A blown fuse may be indicated when the electrical equipment it protects, stops working.

Fuse boxes

There are two fuse boxes, the passenger compartment fuse box, located in the left-hand footwell and the engine compartment fuse box. The underside of the fuse box covers are labelled with the fuse numbers and ratings. This information is also shown on the following pages.

Checking or renewing a fuse

1. Turn off all electrical equipment and turn off the starter switch.
2. Press the correct end of the fuse extraction tool onto the head of the fuse and pull to remove. A blown fuse can be recognised by a break in the wire.
3. Replace a blown fuse with one of the same, or lower rating.

If a replacement fuse fails almost immediately, refer the problem to an Authorised Repairer.

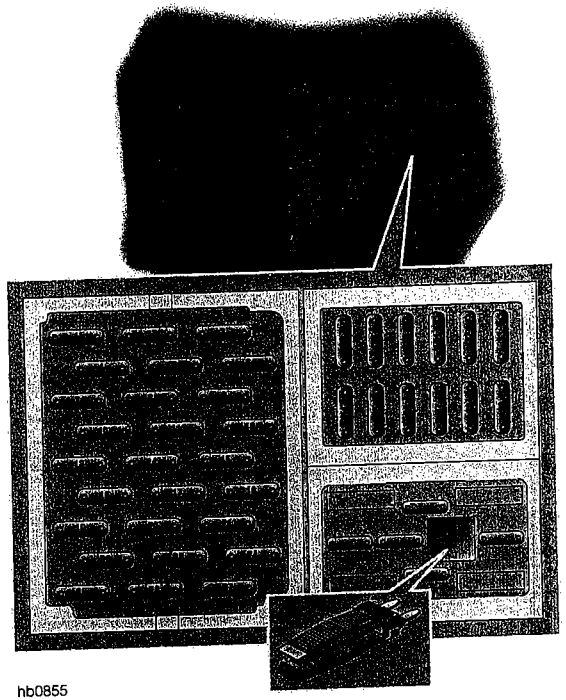
IMPORTANT
• ALWAYS replace a blown fuse with another of the same or lower amperage rating. • NEVER replace a fuse with one of a higher rating - damage to electrical equipment and systems may result.

Spare fuses

Spare mini-size and larger fuses are located in the passenger compartment fuse box, however, they are not included in the following listings.

A double-ended fuse extractor is supplied, suitable for removing both mini-size and larger fuses.

PASSENGER COMPARTMENT FUSE BOX



hb0855

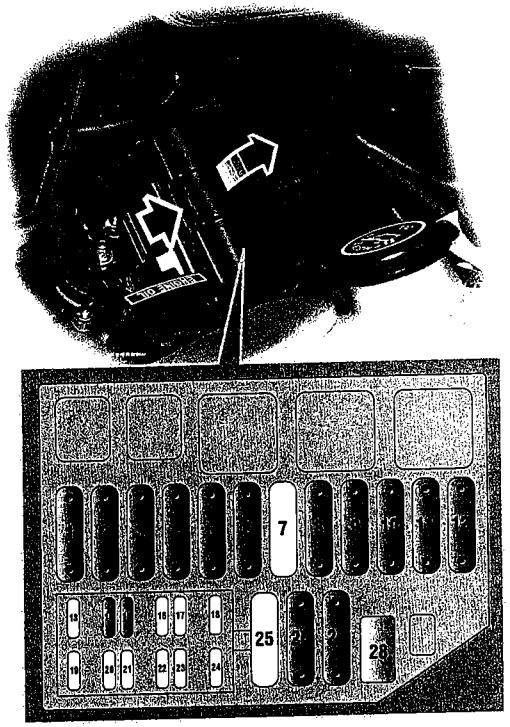
The fuse box is located behind the carpet in the left-hand footwell, adjacent to the maintenance hatch release lever. To gain access, it is necessary to pull the carpet out of its retaining channel.

Passenger compartment fuse specifications

Fuse No.	Rating (amps)	Circuit protected
1	10	Main/dip beam headlights, fog lights
2	5	Instrument illumination dimmer
3	20	Alarm system
4	10	Mirrors, windows
5	10	RH headlight dip beam
6	10	Sports mode switch (automatic transmission)
7	10	Transmission (automatic transmission)
8	10	RH sidelight

Fuse No.	Rating (amps)	Circuit protected
9	10	Interior lights
10	10	Audio system, engine management
11	10	LH headlight dip beam
12	10	Security system
13	15	Reverse/brake lights
14	10	LH sidelights
15	20	Luggage compartment release
16	30	Wipers
17	20	Engine control, air-conditioning
18	10	Instruments, ignition, immobiliser
19	10	Anti-lock brakes
20	15	LH headlight main beam
21	5	Instruments
22	-	Not used
23	20	Engine control
24	10	Engine crank, starter button
25	10	Instruments, traction control switch
26	15	RH headlight main beam
27	10	Diagnostic socket
28	10	Brakes
29	10	Mirror heaters
30	10	Heating and ventilation, rear screen demister
31	10	Rear fog lights
32	-	Not used
33	-	Not used
34	-	Not used
35	15	Fuel filler flap
36	30	Audio system
37	5	Seat belt harness inertia reel
38	-	Not used
39	-	Not used

ENGINE COMPARTMENT FUSE BOX



hb0846

The fuse box is located on the left-hand side of the engine compartment, adjacent to the engine oil dipstick and filler cap. Press the catch (arrowed) to release the hinged cover.

Using the GPS tracking system, the emergency services are then able to precisely locate your car's position, speed and direction, enabling them to provide a prompt response.

Breakdown assistance

In the event of an emergency where assistance from a breakdown or recovery specialist is necessary, press the lower portion of the switch once to activate call mode (the warning light in the instrument panel flashes amber). Then, press and hold the lower portion of the switch until the amber warning light illuminates constantly (approximately 5 seconds). The integrated phone system automatically dials the number for the breakdown specialist's call centre.

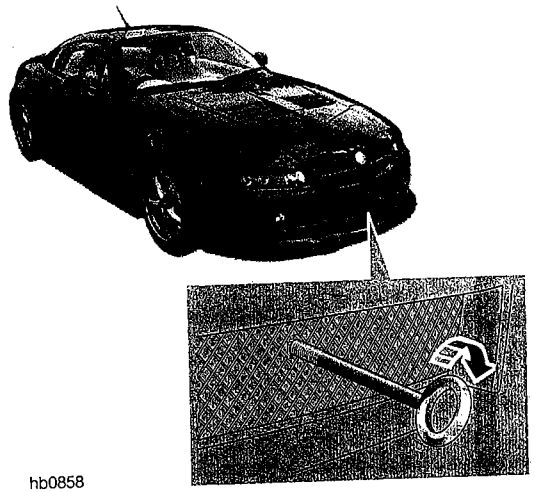
When the call is connected, speak normally from the driver's or passenger's seating position. The microphone located in the roof lining will pick up your voice so that you can make the relevant breakdown service request.

Press and hold the switch until the warning light extinguishes (approximately 6 seconds) to terminate the call.

Using the GPS tracking system, the breakdown or recovery specialist is then able to precisely locate your car's position and direction, enabling them to provide a prompt response.

TOWING EYES

⚠ ***Towing eyes are for use by qualified recovery specialists ONLY and must not be used for any other purpose.***



hb0858

The removable front towing eye is stowed in the tool kit in the luggage compartment.

To fit the towing eye, insert through the hole in the lower front grille and screw the towing eye into its mounting. Ensure the towing eye is fully tightened.

⚠ ***DO NOT use a tow rope that is twisted - any untwisting force could unscrew the front towing eye. If possible, use a solid towing bar.***

Towing for recovery

SAFETY PRECAUTIONS

- It is recommended that a solid towing bar is used (rather than a tow rope) when towing the car on four wheels.
- Without the engine running, braking and steering will require more effort and longer stopping distances will be experienced.
- The towing vehicle should never exceed 30 mph (50 km/h).
- DO NOT turn the starter switch off while being towed - this will prevent the steering wheel from being turned.

Automatic transmission cars:

Move only by trailer/transporter or by suspended tow with the rear wheels raised, with 'N' selected in the gearbox and the steering secured in the straight ahead position.

⚠ ***DO NOT tow cars with automatic transmission on all four wheels. Without the engine running the gearbox is not adequately lubricated.***

Manual transmission cars:

Most recovery specialists will either carry the car on a trailer/ transporter or by way of suspended tow with two wheels raised. Towing the car with all four wheels on the ground should be avoided where possible. If the car must be towed in this manner, adhere to the following:

1. Turn the starter key to position 'I' to unlock the steering, then to position 'II' to enable brake lights, windscreen wipers and direction indicators to be operated.
   If it is deemed unsafe to turn the starter switch on, disconnect the battery before turning the switch (see *'Battery disconnection', page 3-13*).
2. Select neutral and release the handbrake.

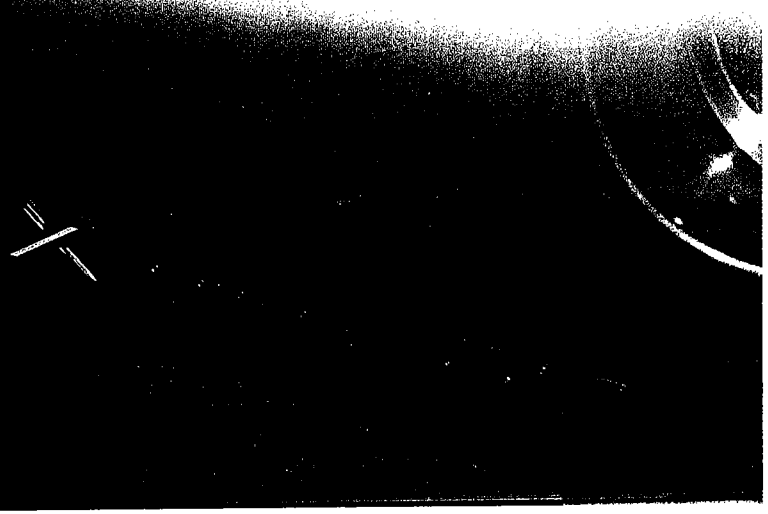
TRANSPORTER OR TRAILER LASHING

When the car is being transported on a trailer, it is necessary to use straps to lash the wheels of the car down. To avoid damaging the paintwork or wheels of the car, adhere to the following guidelines:

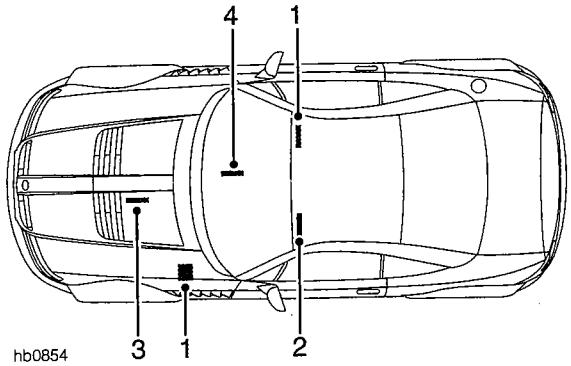
- Ensure that the metal parts of the lashing straps do not and will not contact any paintwork or the face of a wheel.
- Do not secure the car to a trailer/transporter using straps over the bodywork.

SECTION 5

Specifications



IDENTIFICATION NUMBERS



hb0854

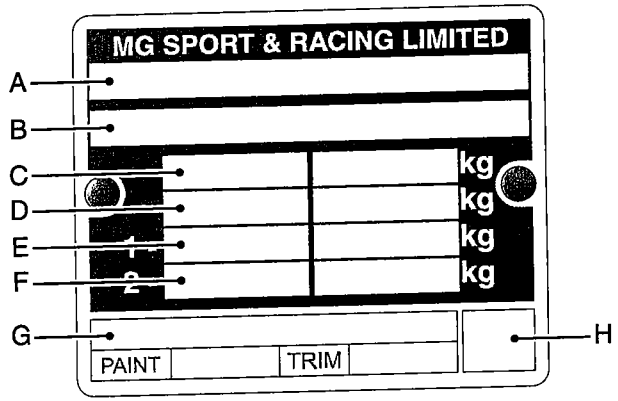
1. Vehicle identification number (VIN)
Stamped on the VIN plate behind the carpet trim on the outer wall of the passenger footwell. The VIN is also stamped into the front crossmember beneath the driver's seat.

2. Body number
Stamped into the front crossmember beneath the passenger's seat.

3. Engine number
Stamped into the bottom of the engine, on the left-hand side, adjacent to the sump (view from underneath with the car raised on a hoist).

4. Gearbox number
Printed on a label attached to the lower face of the gearbox housing, adjacent to the exhaust (view from underneath with the car raised on a hoist).

VIN PLATE



hb0853

The VIN plate contains the following information:

A. Vehicle Identification Number (VIN)
B. Type approval
C. Gross vehicle weight (where required)
D. Gross train weight (where required)
E. Maximum front axle load (where required)
F. Maximum rear axle load (where required)
G. Derivative name
H. Smoke coefficient number (where required)

NOTE: Body colour and trim codes are also stamped on the VIN plate.

ENGINE

Capacity	4601 cm³
Number of cylinders	8 V-arrangement
Firing order	1-3-7-2-6-5-4-8
Idle speed	650 ± 50 rev/min
Bore	90.2 mm
Stroke	90.0 mm
Compression ratio	10.0:1
Ignition system	Ford EEC-V
Spark plugs	Motorcraft AWSF-32E or equivalent
Spark plug gap	1.22 - 1.42 mm

WEIGHTS

Approximate unladen vehicle weight †	kg	1540
	lb	3395
Max. gross vehicle weight	kg	1820
	lb	4012
Max. front axle load	kg	970
	lb	2138
Max. rear axle load	kg	870
	lb	1918

† Unladen vehicle weight is calculated with no occupants and fuel tank 90% full.

WHEELS AND TYRES

Type	Size	Tyre
18" alloy wheels:	8J x 18 x 40 (front)	225/40 ZR
	8J x 18 x 49 (front)	225/40 ZR
	10J x 18 x 41 (rear)	265/40 ZR
	10J x 18 x 49 (rear)	265/40 ZR

Road wheel nut torque	70 Nm

Winter tyre specification

Front	Rear
Pilot Alpine 225/40	Pilot Alpine 245/45

NOTE: Approved winter wheels and tyres are available from your MG XPower Distributor or Authorised Repairer.

Jacking the vehicle

For details on positioning vehicle lifting jacks, please refer to your MG XPower Authorised Repairer or qualified servicing garage.

TYRE PRESSURES

All conditions

Tyre size	Tyre pressure	
225/40 ZR (front)	2.2 bar	32 lb/in²
265/40 ZR (rear)	2.2 bar	32 lb/in²

STEERING

Number of turns lock-to-lock	3.5
Turning circle (kerb to kerb)	11.5 m

ELECTRICAL

Battery type	Maintenance free, sealed for life
Battery rating	75 amp/hr
Voltage and polarity	12 V, negative (-) earth

BULB SPECIFICATIONS

Bulb	Watts
Headlight dipped beam	55 H1U
Headlight main beam 1	55 H1U
Headlight main beam 2	55 H7U
Side/Parking lights	5
Front fog lights	55 H3U
Direction indicators	21
Side repeater lights	5
Reverse lights	21
Rear fog guard lights	21
Tail/brake lights	5/21
Number plate lights	5
Interior lights	3
Loadspace light	5
Glovebox light	5
Puddle lights	5
Rear quarter lights	5

NOTE: Bulbs should always be replaced with the same type and specification.

FLUID SPECIFICATIONS

Fuel

UNLEADED 95 RON to EN 228 specification is recommended.

NOTE: Unleaded fuels of 95 - 98 RON can be used.

Engine oil

5W/30 oil to ACEA A3 specification.

For use in climates between -20° C and +30° C. For continual operation in more extreme climates, seek advice from an MG XPower Distributor or Authorised Repairer.

Coolant

50% mix of water and any ethylene glycol based antifreeze (containing no methanol) with Organic Acid Technology (OAT) corrosion inhibitors, meeting BTC coding type 4E.

Brake fluid

Any proprietary brand of brake fluid (or brake and clutch fluid) meeting DOT 4 specification.

Only use new fluid from sealed containers.

Power steering fluid

Use any fluid to Dexron III specification. Fluids manufactured to this specification are suitable for use in temperatures between -20°C to +30°C (if climatic temperature falls outside these limits, seek advice from your MG XPower Distributor or Authorised Repairer).

***NOTE:** The colour of commercially available power steering fluids may differ from that used to fill the system during manufacture. This is not a cause for concern.*

CAPACITIES

Fuel tank (usable)	58.8 litres
Engine oil (and filter) refill:	5.7 litres
Cooling system refill:	13.4 litres
Power Steering	0.8 litre
Washer reservoir	3 litres

FUEL CONSUMPTION

The fuel consumption figures shown below have been calculated using a standard testing procedure (the EC test procedure from Directive 99/100/EC), and produced in accordance with The Passenger Car Fuel Consumption (Amendment) Order 1996. Under normal use, a car's actual fuel consumption figures may differ from those achieved through the test procedure, depending on driving technique, road and traffic conditions, environmental factors, vehicle load and condition.

Urban cycle

	mpg	l/100km
MG XPower SV	13.8	20.4

The urban test cycle is carried out from a cold start and consists of a series of accelerations, decelerations and periods of steady speed driving and engine idling. The maximum speed attained during the test is 31 mph (50 km/h) with an average speed of 12 mph (19 km/h).

Extra-urban cycle

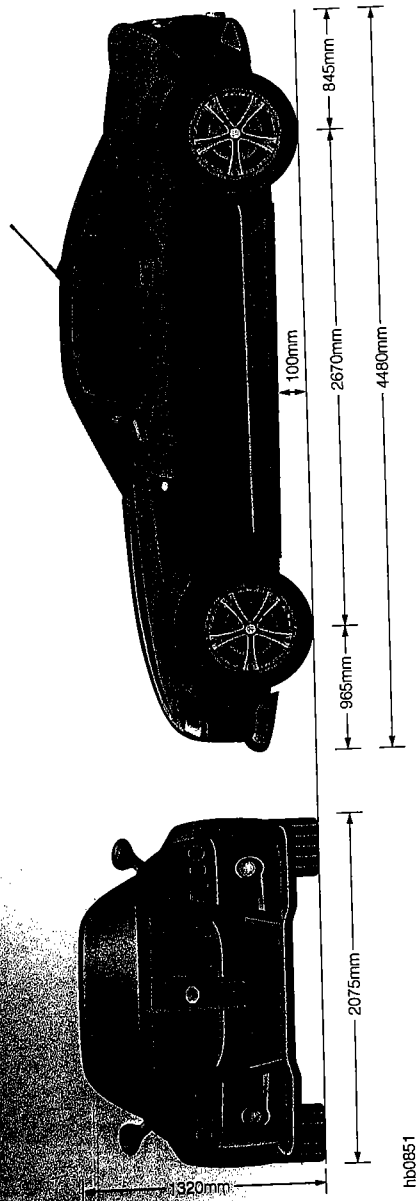
	mpg	l/100km
MG XPower SV	28.2	10.0

The extra-urban test cycle is carried out immediately after the urban test. Approximately half of the test comprises steady-speed driving, while the remainder consists of a series of accelerations, decelerations and engine idling. The maximum test speed is 75 mph (120 km/h) and the average speed 39 mph (63 km/h). The test is carried out over a distance of 4.3 miles (7 km).

Combined

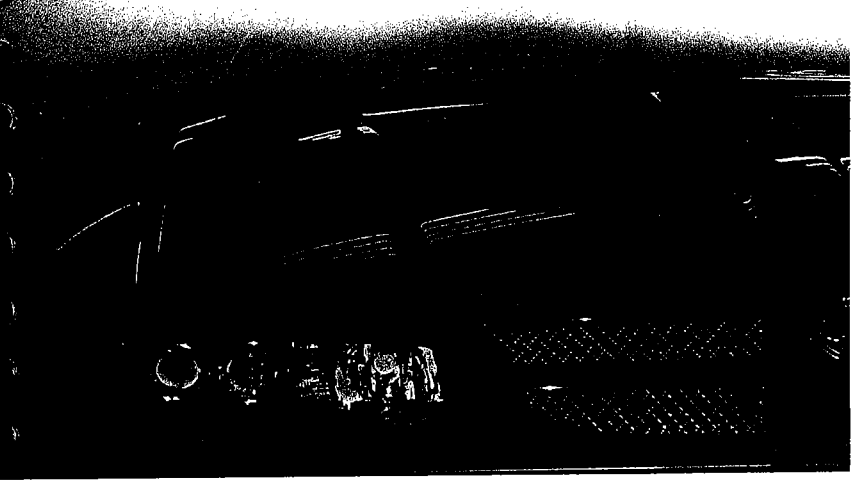
	mpg	l/100km
MG XPower SV	20.5	13.8

The combined figure is an average of the urban and extra-urban test cycle results, which has been weighted to take account of the different distances covered during the two tests.



SECTION 6

Roadside Assistance and Warranty



SERVICE PROVIDER

MG XPower have employed the services of the Automobile Association, the UK's leading breakdown assistance organisation, to provide you with a comprehensive roadside assistance programme, available 24 hours a day, every day of the year.

WHO IS COVERED?

The Roadside Assistance programme is vehicle-based, so it covers anyone driving your car in the UK with your permission. All new vehicles are automatically covered for 24 months from the date of first registration, with the full range of benefits detailed below.

If you are already a member of the AA and are unsure about how your membership will be affected by the Roadside Assistance Programme, please telephone the AA for advice on:

☎ 0800 18 10 15

Please note that, while you can choose to suspend your personal AA membership for the duration of the Roadside Assistance Programme, suspension will not happen automatically.

WHAT IS INCLUDED?

Roadside Assistance

If your vehicle breaks down at the roadside and is immobilised, the AA will send an AA patrol or appointed agent to get you back on the road. Where an 'on-the-spot' repair is not possible, you are entitled to use the Recovery service detailed below.

Home Start

If your vehicle breaks down at or within ¼ mile of your home, Home Start will bring help to your doorstep. If your vehicle cannot be repaired, the AA will transport it to the nearest authorised MG XPower Authorised Repairer, or to another destination of your choice, whichever is the nearer.

Recovery

If your vehicle breaks down more than ¼ mile from your home and a prompt local repair at the roadside is not possible, the AA will arrange onward passage for you, up to four passengers and your vehicle to the nearest authorised MG XPower Authorised Repairer or to any other single destination in the UK mainland or Northern Ireland. This also includes the Isle of Man and the Channel Islands, although any ferry costs must be borne by you.

Message Service

If you wish, the AA will also get a message to a relative or colleague to let them know what is happening.

Road Traffic Accidents

In the unfortunate event that your car is involved in a road traffic accident, the AA will recover it to your nearest MG XPower approved bodyshop or a suitably equipped servicing garage.

Your vehicle's repairer is YOUR CHOICE - so in the event of an accident ask the AA to relay your car to the bodyshop of your choosing.

OPTIONAL EUROPEAN COVER

Your roadside assistance cover also entitles you to purchase optional AA Five Star European Breakdown cover at preferential rates. AA Five Star European Assistance can give you and your family peace of mind while travelling in your car anywhere in continental Europe (subject to terms and conditions).

To purchase European Breakdown cover, please telephone at least 3 working days prior to departure on:

☎ 0121 504 4189

WHAT TO DO WHEN YOU NEED ASSISTANCE

Before calling for assistance, please make sure you have the following details ready:

- The registration number of your vehicle
- Your name
- Your home address
- A telephone contact number at the breakdown site
- The model and colour of your vehicle
- The nature of your breakdown
- Your exact location

To contact Roadside Assistance please phone:

☎ 0800 55 33 99

If you believe you are in a vulnerable or dangerous situation, please make this clear at the time of your call.

After making the call, return to a safe place near your vehicle.

If the problem resolves itself before assistance arrives, please call and let the AA know.

Roadside Assistance

YOUR COMMENTS

The AA strives constantly to improve and develop their services, and greatly appreciates your comments - good or bad. If you have a commendation, a complaint or just a comment about the roadside assistance service, please call the AA:

☎ 0845 607 6727 (calls are charged at local rates),
or email to:

MemberRelations@theAA.com

TERMS AND CONDITIONS

For a copy of the AA's full Terms and Conditions, please write to: MG XPower Assistance, The AA, Fanum House, Dog Kennel Lane, Halesowen, West Midlands, B63 3BT.

THE MG XPOWER WARRANTY

During your first 24 months of ownership, you'll have the protection of one of the most comprehensive warranties in the industry.

The warranty provides complete assurance that, should your car require attention as a result of a manufacturing or material defect during the warranty period, it will be attended to with minimal inconvenience and at no cost to you.

But the warranty doesn't stop there, you also get the Roadside Assistance Programme, comprising the full range of benefits described previously, completely free:

TWO YEAR WARRANTY

- Commences on the day the car is registered or sold to the first owner (whichever is the sooner) and is applicable for 24 months or up to 40,000 miles (64,374 km), whichever is reached sooner.
- Guarantees repair, replacement or adjustment, free of charge, by an MG XPower Authorised Repairer, of any part which fails during the warranty period, as a result of a manufacturing or material defect.
- Guarantees all 'wear and tear' items (excluding tyres) that are subject to failure during the warranty period prior to their normal service replacement date or prior to the first service (whichever is the sooner).
- Guarantees any parts replaced under the terms of the warranty for the balance of the warranty period.

NOTE: Tyres are covered separately by the tyre manufacturer.

WARRANTY CONDITIONS

We know you will want to take very good care of your new car. However, even the very best vehicles can be abused accidentally through a lack of forethought or knowledge.

Whilst we are mindful of our obligations under the warranty, it is important that you are aware of the conditions under which the warranty is given.

The Warranty conditions require that:

- All claims are notified to, and carried out by, an MG XPower Authorised Repairer during the appropriate warranty period.
- All repairs, damage rectification or fitting of replacement parts and accessories are carried out by an MG XPower Authorised Repairer and in accordance with our instructions.
- The car has not been altered from the original specification, nor been used for competitive purposes.
- The car has not suffered from neglect, improper repair, accident or improper use, and has been properly cleaned, maintained and serviced in accordance with our requirements.
- Each main service is carried out within 2000 miles/3200 kilometres or 28 days of the recommended distance interval or service anniversary date as shown on the Service Interval Plan (within the Owner Handbook) and that the appropriate Service Record page is stamped and endorsed by the servicing agent. Whilst warranty will not be invalidated if a non-authorised MG XPower repairer carries out this work, warranty faults resulting from work carried out by a non-authorised repairer may not be covered under the MG XPower Warranty.
- MG Xpower approved parts are used for repairs effected under warranty, except as an emergency repair, which must be made good within 14 days using components approved by MG Xpower

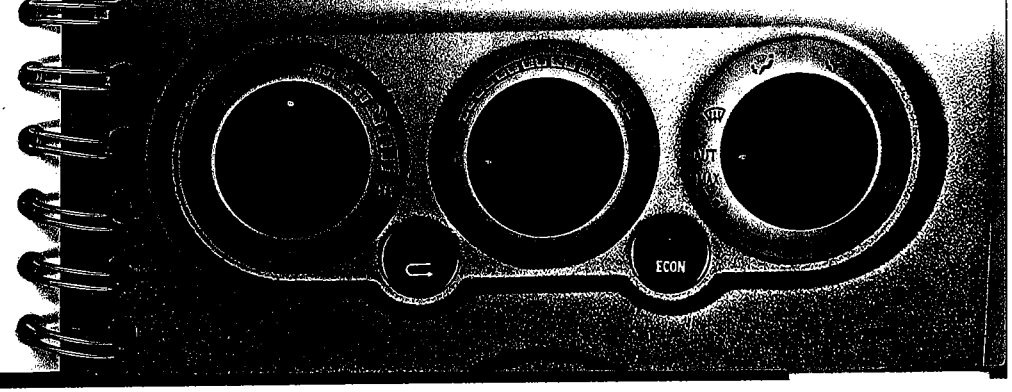
NOTE: The owner's protection under the terms of the MG XPower Warranty does not affect their statutory rights in law.

WARRANTY OUTSIDE YOUR HOME COUNTRY

The Warranty is supported in all countries where MG XPower vehicles are sold. Warranty work will normally be carried out free of charge. However, in exceptional circumstances, you may be required to pay for repairs, in which case you should retain the invoice and any displaced parts and present them to your local MG XPower Authorised Repairer for reimbursement on your return home.

SECTION 7

Service History



The information recorded on this page is essential to ensure the correct identification of your car, its specification and any replacement parts that may be required. Whenever you take your car to be serviced, be sure to present this book to the service receptionist.

Model ..... MG XPOWER SV .....

Vehicle Identification No. SAGSVGCAB4M130182

Engine No. ..... 90905338 .....

Vehicle Registration No. ..... AYOH MHL .....

Date of First Registration ..... 05-05-04 .....

Warranty Expiry Date ..... 04-05-06 .....

The Distributor certifies that these details are correct and that the car has been carefully prepared in accordance with MG Xpower Pre-Delivery Inspections standards.

Distributor Stamp

AMES ROVER
BLENHEIM IND. PARK
BURY ST. EDMUNDS
SUFFOLK IP33 3TU
TELEPHONE: 01284 703400

Signature .....

Date 5-5-04

SERVICE RECORD PAGES

The following pages provide a complete record of the routine services carried out on your car.

This information is important and could affect your warranty entitlement. Always make sure the servicing garage stamps and signs the next service record page on the completion of each service visit.

REPLACEMENT SERVICE HISTORY BOOK

When the final service record entry has been completed, you should order a replacement Service History book in order to continue keeping an accurate record of your car's service history.

Remember to transfer the details recorded under *'Vehicle Details'* to your replacement book.

SERVICE INTERVAL PLAN

All services should be carried out at the distance or time based intervals shown below (whichever occurs first).

1st Service	5,000 miles (8,000 km) or 12 months
Subsequent services	Every 5,000 miles (8,000 km) or 12 months from date of last service

NOTE: Brake fluid and coolant replacement must be undertaken at intervals of 2 and 4 years respectively. These additional service operations can be carried out in combination with any of the main services shown in the chart above.

First Service Due 6000	
Authorised Repairer Stamp **APPROVED SERVICE** AMES ROVER BURY ST. EDMUNDS TEL:- 01284 703400 ID 12.98 Signature	
Odometer reading 3720	Date 02/08/05
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Service Record

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

Next Service Due	
Authorised Repairer Stamp Signature _____	
Odometer reading	Date
Brake fluid change ☐	Coolant change ☐
Camshaft belt replaced ☐	

COMPONENT REPLACEMENT

The replacement of all major (or significant) components (e.g. engine, gearbox, instrument pack, SRS components), should be recorded below by the Authorised Repairer who carried out the work.

Component(s) _____
Dealer Stamp Miles / Km _____ Date _____

Component(s) _____
Dealer Stamp Miles / Km _____ Date _____

Component(s) _____
Dealer Stamp Miles / Km _____ Date _____

Component(s) .....

.....

Dealer Stamp

Miles / Km ..... Date .....

Component(s) .....

.....

Dealer Stamp

Miles / Km ..... Date .....

Component(s) .....

.....

Dealer Stamp

Miles / Km ..... Date .....

In most countries it is a requirement that owners be notified of safety defects that are the subject of a recall campaign for rectification, and are provided with information concerning the action they must take.

In the event of a recall campaign affecting your car, you will be contacted and invited to have your car inspected free of charge by an MG XPower Authorised Repairer. It is in your interest to comply immediately with such a request.

If you suspect that your car has been missed by a recall campaign you should contact a MG XPower Authorised Repairer for advice. In the UK, if an Authorised Repairer is unable to confirm the status of your car from his own records, he will call MG XPower Sport and Racing to obtain the information you require.

The Authorised Repairer will record details of any work carried out on your car under a recall campaign in the space below.

Campaign No.	Date
Action	
Odometer reading	

Campaign No.	Date
Action	
Odometer reading	

Campaign No.	Date
Action	
Odometer reading	

Campaign No.	Date
Action	
Odometer reading	

Change of address/ownership

To successfully resolve any recall campaign, it is important that we are able to contact you easily. If you have changed your address or have passed it to a new owner of the car, please send the revised vehicle ownership details, including the vehicle registration number and vehicle identification number (VIN), to the following address:

MG XPower Sport & Racing Limited, Groveley Lane, PO Box 41, Longbridge, Birmingham B31 2TB.

A

B

C

D

E

F

G

H

I

Index

J

K

L

M

O

P

R

Index

S

T

U

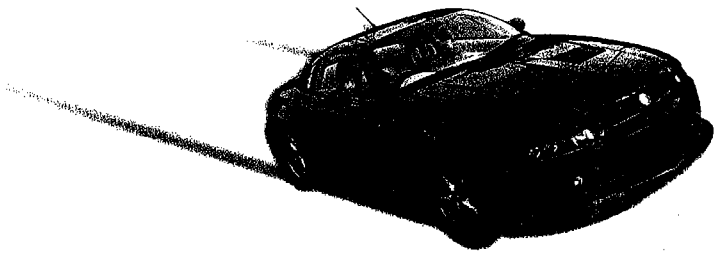
V

Index

W

Index

Contents



WELCOME TO YOUR MG XPOWER SV

Congratulations on your choice of the new MG XPower SV. We very much hope that this handbook, together with the other publications included in the literature pack, will provide the information you need to derive maximum pleasure from owning and driving your new car.

Please take the time to read and understand the information contained within this handbook, familiarising yourself with the controls and features of the car prior to driving. This handbook also contains information on maintenance and car care, designed to enhance operational safety and to contribute to the longevity and value of your MG XPower SV.

THE OWNER'S HANDBOOK

For your convenience, the handbook is divided into subject or activity based sections. These are listed on the previous page and are mostly self-explanatory. However, if you experience difficulty in locating a specific item or piece of information, you should consult the alphabetical index near the back of the book.

You should also be aware that the final (Service History) section of this handbook enables a record to be kept of the routine services and inspections carried out on the car. This section also provides a facility for the MG XPower Authorised Repairer to record brake fluid and coolant changes, and the fitting of any major replacement components needed during the life of the car.

Finally, always remember that if you have any queries concerning the operation or specification of your car, your MG XPower Distributor or Authorised Repairer will be glad to advise you.

IMPORTANT
When the time comes to sell your car, please remember to pass this handbook and the Security Card to the new owner. Both must be considered part of the car and essential to its operation.

SYMBOLS USED

The following symbols used within the handbook call your attention to specific types of information.

This warning symbol identifies procedures which must be followed precisely, or information which must be considered with great care, in order to reduce the risk of personal injury or serious damage to the car.

This recycling symbol identifies those items which must be disposed of safely in order to prevent unnecessary damage to the environment.

This symbol identifies those features which can be adjusted or disabled/enabled by an MG XPower Authorised Repairer.

* An asterisk appearing within the text, identifies features or items of equipment which are either optional, or are only fitted to some vehicles in the model range.

STATUS AT TIME OF PRINTING

MG Sport and Racing Limited operates a policy of continuous product development and improvement and reserves the right to change specifications without notice at any time. Whilst every effort is made to ensure the accuracy of this handbook, MG Sport and Racing Limited accepts no liabilities for inaccuracies or the consequences thereof, including loss or damage to property, or injury to persons except in respect of personal injury caused by the negligence of the manufacturer.

SECURITY CARD

The security card contains important emergency information. It is ESSENTIAL that you keep the card safe from theft and ensure that it is passed to the new owner if you sell the car.

- **VIN (vehicle identification number):** This number is unique to your vehicle and is essential proof of its specification. The number can also be found in various locations around the vehicle (see *'IDENTIFICATION NUMBERS', page 5-2*).
- **Radio serial number:** This unique number is stamped into the case of the audio unit, and is proof of the unit's specification and your ownership in the event of theft.
- **Radio security code number:** This unique code must be entered into the radio whenever the power supply has been disconnected. Without this code, the radio unit will not operate.

Never leave the security card inside the car when it is left unattended. Keep the card on your person in case of emergencies.

KEYS AND HANDSETS

hb0849

You have been supplied with two remote handsets and keys.

The key number is stamped on a tag attached to the key ring. Ensure the number has been entered on the Security Information card.

If the key or handset is lost, contact an MG XPower Authorised Repairer **immediately** to obtain a replacement.

⚠ ***Keep the Security Card, key tag, spare key and handset in a safe place - NOT IN THE CAR!***

Keys

The key operates the engine immobiliser. Only a key with the correct electronic code can be used to start the engine.

Two separate correctly coded keys are needed in order to code additional keys. If you lose one of the keys, take your remaining keys to an MG XPower Authorised Repairer who will replace the key and reprogramme it and any other keys to the system, at your cost.

Handset

The handset operates the vehicle alarm system and the central locking system.

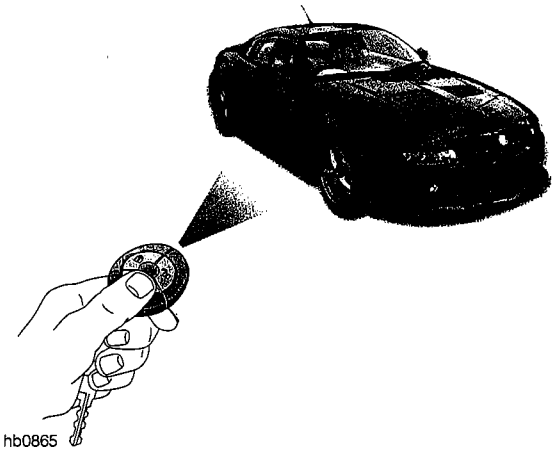
⚠ ***If one handset is lost, the other handset is required to programme a replacement. If both handsets are lost, a new alarm control unit will need to be fitted.***

ALARM SYSTEM

Your car is fitted with a sophisticated electronic anti-theft alarm. You are strongly advised to gain a full understanding of the alarm by reading this section of the handbook.

LOCKING THE CAR AND ARMING THE ALARM

Using the remote handset



hb0865

The handset transmits a coded radio signal to a receiver in the car.

- Press the lock button to activate the alarm system.
- Press the unlock button to deactivate the alarm system.

NOTE: The lock button also locks the doors and the unlock button unlocks the doors.

It is not necessary to point the handset at the car, however the handset must be within range when the buttons are pressed. The operating range will vary according to handset battery condition and other physical and geographical factors beyond your control.

Locking and unlocking the car

Before locking the car, ensure doors, windows, maintenance hatch and boot lid are fully closed.

Locking with the remote handset:

1. Press the lock button once:
   - both doors lock.
   - door, maintenance hatch and luggage compartment apertures alarmed.
   - interior space protection activated.

Locks and Alarm

2. The direction indicators flash once and the alarm indicator light starts to flash.
   If the direction indicators fail to flash as described after any locking procedure, a mislock is indicated.

Locking with the key:

1. Turn the key in the driver's door lock towards the front of the car.
   - both doors lock.
   - door, maintenance hatch and luggage compartment apertures alarmed.
   - NO INTERIOR SPACE PROTECTION!
2. The direction indicators flash once and the alarm indicator light starts to flash.
   If the direction indicators fail to flash as described after any locking procedure, a mislock is indicated.

FOR MAXIMUM SECURITY, ALWAYS USE THE HANDSET TO LOCK AND UNLOCK THE CAR
(except when interior space protection is to be prohibited).

Unlocking:

1. Press the unlock button once or turn the key in the driver's door lock towards the rear of the car; the alarm will be disarmed.
2. The direction indicators sustain a single long flash when the alarm is disarmed.

Mislock

If the direction indicator lights fail to flash when the alarm is armed, a mislock is indicated (a door, window or other aperture is not fully closed). This may be accompanied by an audible indication (if the feature is enabled). In this case, the alarm will still be armed and the engine immobilised, but interior space protection will not be active. Once the open door or aperture is closed, the direction indicators will flash to confirm that the system has armed fully.

If the direction indicators still fail to flash, even though all apertures are closed, there is a fault with the system - contact your MG XPower Authorised Repairer.

Security indicator lights

After locking, the RED alarm status light on the instrument panel flashes rapidly while the alarm system is arming. After 10 seconds, the light adjusts to a slower frequency, and continues flashing as an anti-theft deterrent until the alarm is disarmed.

If the indicator light flashes slowly (0.2 seconds on and 0.2 seconds off) after the car is unlocked, this indicates that the alarm system has been triggered since it was last set. The light will flash at this slower frequency until the ignition is switched on.

The lock status lights on the door sills flash to indicate that the door is locked and extinguish once the doors have been unlocked.

If the alarm is triggered

Once armed, the alarm will be triggered if any of the following occur:

- Opening a door.
- Opening the boot.
- Opening the maintenance hatch.
- Triggering the volumetric sensor (interior space protection).

If the alarm is triggered, the horn will sound for 30 seconds followed by a 5 second period of silence. This cycle will be repeated 10 times or until the alarm system is switched off or reset.

The alarm system detectors are grouped in four separate zones.

1. Door switches and volumetric sensor.
2. Maintenance hatch.
3. Boot.
4. Ignition.

The detectors in the zone which triggered the alarm will need to be reset by pressing the lock button on the handset, before they can trigger the alarm again. The detectors in other zones will remain active and will trigger the alarm system again if activated.

To silence and disarm the alarm, press the unlock button on the handset. If the lock button is pressed, the alarm will stop but the system will still be armed.

Interior space protection

⚠ ***Do not activate if a passenger or animal is to be left inside the car - movement will activate the alarm.***

Interior space protection is activated automatically when the alarm is armed using the handset. Sensors monitor the interior space and activate the alarm if an intrusion is detected (entry through a window, for example). If it is necessary to arm the alarm with interior space protection inactive, use the key to lock the car.

Locks and Alarm

Interior door locking button

Both the doors can be locked or unlocked from inside the car by pressing the interior locking button on the centre console (see *'CONTROLS', page 2-2*).

Panic locking

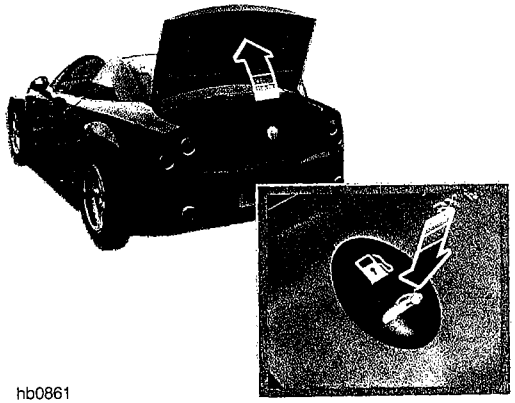
Press and hold the interior locking button for at least 2 seconds. The doors will lock, the hazard warning lights will flash and the alarm will sound. Press and hold the button for at least 2 seconds again, to cancel the panic locking facility.

Automatic relocking and re-arming*

This feature can be enabled by an MG XPower Authorised Repairer if required.

If a door, the maintenance hatch or the luggage compartment is not opened within 30 seconds of unlocking the car, the alarm system will automatically relock the car and arm the alarm system. The alarm status will be exactly the same as before the car was unlocked.

LUGGAGE COMPARTMENT



hb0861

Press the luggage compartment release button on the centre console to open (the lights in the luggage compartment illuminate automatically). The luggage compartment locks automatically when it is closed. Take precautions to avoid accidentally leaving the key and handset in the luggage compartment.

ENGINE IMMOBILISATION

Your car is fitted with an electronic engine immobiliser. You are strongly advised to gain a full understanding of the immobiliser by reading this section of the handbook.

Engine immobilisation occurs automatically, immediately the ignition is switched off. The immobiliser indicator light on the instrument panel will flash every two seconds.

Re-mobilisation

The engine is re-mobilised by switching on the ignition, provided the correct code is received from the key. The indicator light illuminates for approximately three seconds and then extinguishes.

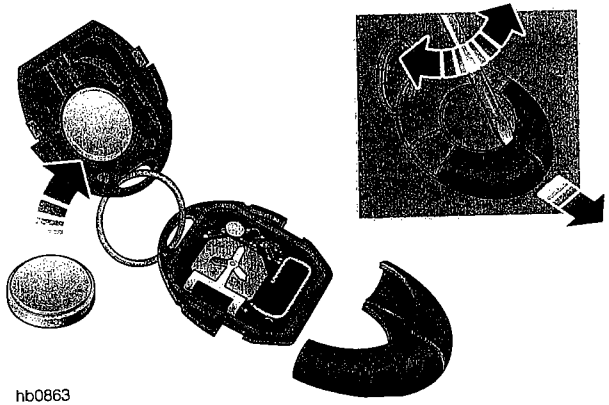
If the indicator light flashes for approximately one minute and then repeatedly at irregular intervals, the system did not recognise the key code. Remove the key and try again.

If an incorrect key has been used, wait for 20 seconds before attempting to start the vehicle with the correct key.

If the engine does not start, a system malfunction has occurred. Have the vehicle checked by your MG XPower Authorised Repairer.

REMOTE HANDSET

⚠ ***The handset contains electronic circuits and must be protected from impact and water damage, high temperatures and humidity, direct sunlight and the effects of solvents, waxes and abrasive cleaners.***



hb0863

Expected battery life is approximately three years, dependent upon use. The need for replacement will be apparent from these symptoms:

- A gradual deterioration in range and performance.
- Whenever the handset lock button is operated, the alarm indicator light flashes rapidly for 45 seconds.

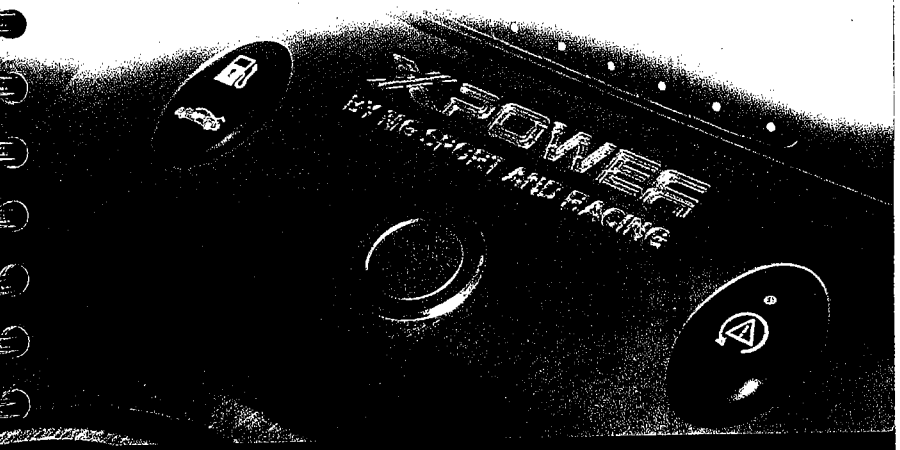
Battery specification: MG Rover YWK 10003 or Panasonic CR2032.

Battery replacement

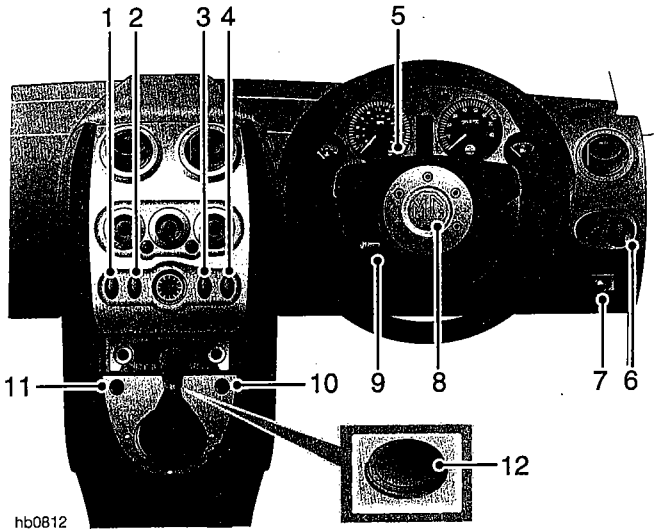
1. Place the blade of a small, flat-bladed screwdriver in the slot in the base of the handset and gently push downwards to release the front yoke from the body of the handset.
2. Release the retaining clips on each side and carefully prise the handset body apart. Avoid damaging the seal between the two halves of the case.
3. Remove the circuit board and battery, taking care to avoid touching the circuit board and the contact surfaces of the battery retaining clip.
4. Fit the new battery ('+' side facing down). Finger marks will reduce battery life; avoid touching the flat surfaces of the battery and wipe the battery clean before fitting.
5. Reassemble the handset. Ensure both halves of the case are firmly pressed together to prevent the ingress of dirt and moisture.
6. Slide the front yoke into position on the handset body.
7. The handset will now lock and unlock the car.

SECTION 2

Controls and Driving

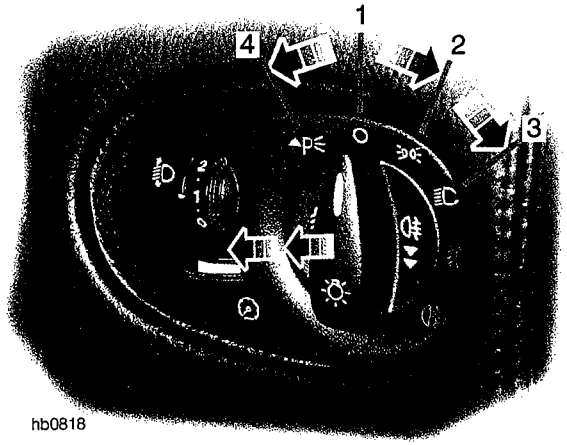


CONTROLS



1. See *'Mirror folding', page 2-20.*
2. See *'Heated rear screen and mirror heaters', page 2-26.*
3. See *'EMERGENCY ASSISTANCE', page 4-11.*
4. See *'Interior door locking button', page 1-6.*
5. See *'HAZARD WARNING LIGHTS', page 2-4.*
6. See *'MAIN LIGHTING SWITCH', page 2-3.*
7. See *'Mirror adjustment', page 2-19.*
8. Horn - press to operate.
9. See *'STEERING HEIGHT ADJUSTMENT', page 2-10.*
10. See *'TRACTION CONTROL', page 2-33.*
11. See *'FUEL FILLING', page 2-35* and *'LUGGAGE COMPARTMENT', page 1-6.*
12. See *'STARTING THE ENGINE', page 2-28.*

MAIN LIGHTING SWITCH



1. All lights off.
2. Sidelights and instrument lights on. Available with starter switch in any position, also with starter key removed.
3. Headlights on low beam. Available with starter switch in position 'II'.
4. Parking lights on. Available with the starter switch in any position, also with starter key removed.

Front fog lights
With side or headlights selected, pull the switch out to the first position.

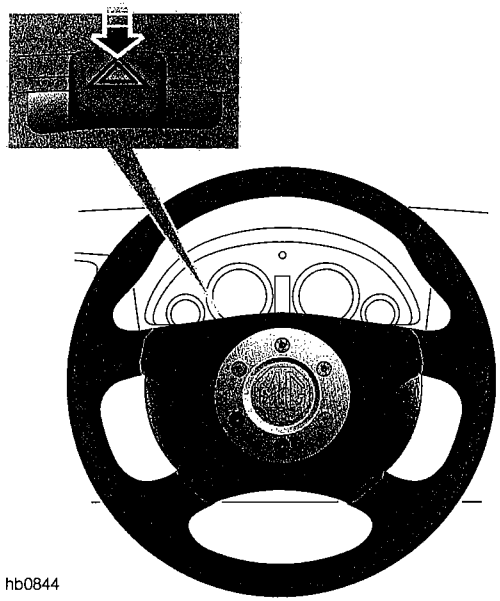
Rear fog lights
With side or headlights selected, pull the switch to the second position (front fog lights also illuminate).

Headlight beam levelling control
Rotate thumbwheel to adjust the headlight beam height.
0 = Maximum beam height (normal usage).
4 = Minimum beam height (car fully loaded).

Instrument illumination dimmer control
Rotate thumbwheel to increase or decrease illumination.

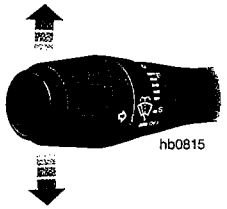
'Lights on' warning buzzer
If the lights (including parking lights) remain on after the ignition is turned off, a buzzer sounds when the driver's door is opened. The buzzer ceases when the lights are switched off, or the door is closed.

HAZARD WARNING LIGHTS

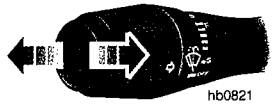

hb0844

Press to operate. All direction indicators flash. Use in an emergency to warn other road users when your car is in a hazardous situation.

COLUMN STALK


hb0815

Direction indicators
Up for right turn, down for left turn. Hold half way up or down against spring pressure to indicate a lane change.


hb0821

Headlight flash
Pull towards driver against spring pressure to flash headlights.

Headlight beam change
Push away from driver to change headlight beams.


hb0837

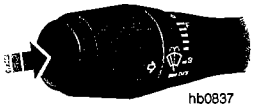
Single wipe
Press briefly and release.


hb0836

Slow wipe
Turn anti-clockwise to first position.

Intermittent wipe
Turn through the five variable speed positions.

Fast wipe
Turn fully anti-clockwise.

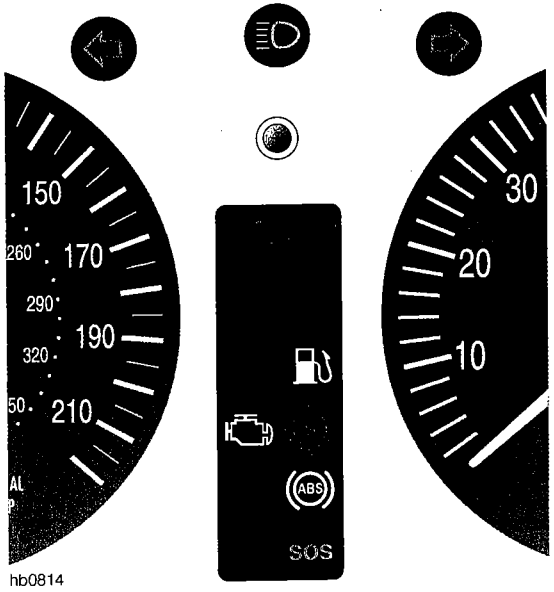

hb0837

Windscreen washer
Press and hold to activate wash/ wipe cycle.

- DO NOT operate the wipers on a dry screen.
- Before operating wipers in freezing or very hot conditions, ensure that the blades are not frozen or stuck to the glass.
- In winter, remove snow or ice from around the arms and blades, including the wiped area of the screen.

Exterior Lights and Windscreen Wipers

WARNING LIGHTS



hb0814

Direction indicators
Flashes in time with left or right direction indicators, and hazard warning lights. Rapid flashing indicates a bulb failure.

Headlight main beam
Illuminates when main headlight beams are selected.

Low engine oil pressure
Illuminates when ignition is turned on and extinguishes once engine is running. If illumination occurs while driving, stop as soon as safety permits. Do not continue driving - severe engine damage could result.

Battery charging
Illuminates when ignition is turned on and extinguishes once engine is running. If the light fails to extinguish, or illuminates while driving, there is a fault with the charging system. Seek assistance.

Seat belt warning
Illuminates for five seconds when the engine is started as a reminder to ensure that seat belts are fastened.

Handbrake & brake system
Illuminates briefly when ignition switch is turned on and constantly while handbrake is applied. Extinguishes when handbrake is released. If the light fails to extinguish after starting, or illuminates while driving, stop as soon as safety permits - a brake system fault or worn brake pads is indicated. DO NOT pump the brake pedal, or continue driving.

Traction control
Illuminates for a few seconds as a bulb check when the ignition switch is turned on and extinguishes once the engine is running. Illuminates momentarily while traction is lost.

Low fuel warning
Illuminates briefly when the ignition is turned on and then extinguishes. Failure to extinguish or illumination while driving indicates that refuelling is necessary at the soonest opportunity.

Engine indicator
Illuminates briefly when ignition is turned on until engine is running. Illumination while driving indicates an engine fault:

- If car drives normally, arrange a service appointment.
- If light flashes and/or car does not drive normally, avoid high speeds and seek immediate assistance.

Sports mode
Illuminates when sports mode is selected (automatic gearbox models only).

Low coolant
Illuminates briefly when the ignition is turned on and then extinguishes. Illumination while driving indicates that the coolant level is low. Stop the car and top-up the coolant (see *'COOLANT RESERVOIR', page 3-8*).

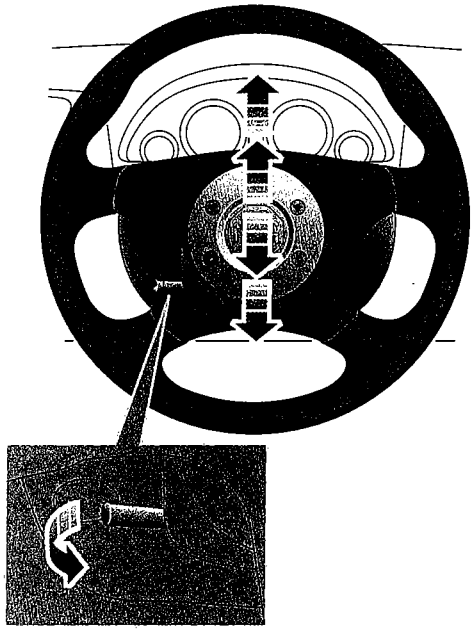
Antilock braking system
Illuminates briefly when ignition is turned on. If light fails to illuminate, flashes or fails to extinguish once the engine is running, or illuminates while driving, there is a fault. The brakes remain operational, but stopping distances may increase. Drive with care, complete your journey then seek advice before further use.

Immobiliser warning
Flashes while engine immobiliser is active.

SOS/Breakdown assistance
Flashes when call mode is activated. Illuminates blue when an SOS call is selected, amber for breakdown calls. For further information, please refer to *'EMERGENCY ASSISTANCE', page 4-11*.

STEERING HEIGHT ADJUSTMENT

⚠ ***DO NOT adjust the height of the steering wheel while driving. This is extremely dangerous!***



hb0835

Pull the control towards you and then move the steering wheel up or down to the most suitable of four pre-defined positions, making sure the instrument panel is clearly visible.

Release the control to lock the steering column in position.

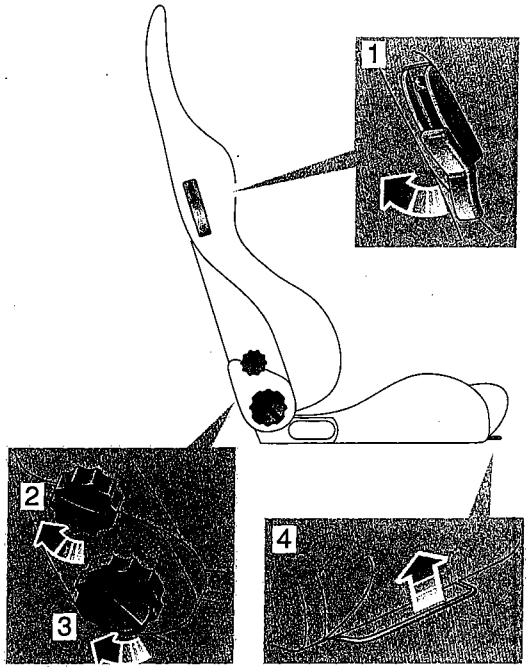
CORRECT SEATING POSITION

Position the seats as far rearward as practical. The driver's seat should be positioned so that the steering wheel can be held with the arms slightly bent and the seat in a nearly upright position. Your driving position MUST be comfortable and enable full control of the car to be maintained at all times.

⚠ ***DO NOT travel with seats reclined more than 25° from the vertical - steeply reclined seats reduce the effective operation of the seat belts.***

SEAT ADJUSTMENT

⚠ ***DO NOT risk losing control of the car by adjusting the seats while driving.***



hb0834

1. Rear access lever (to fold seat forward)
2. Lumbar support (driver's seat only)
3. Backrest adjustment
4. Forward/rearward adjustment

SEAT BELT HARNESS SAFETY

Both seats are fitted with a restraint harness, intended for use by one adult sized occupant only. Observe the following precautions:

- BEFORE DRIVING adjust lap and shoulder belts to eliminate slack. The webbing must remain in full contact with the body at all times.
- FIT the lap belt portion of the harness low on the hips (below the abdomen).
- DO NOT wear the harness over hard, sharp or fragile items in clothing (pens, keys, spectacles, etc.).
- REPLACE harness assemblies that have withstood the strain of a severe vehicle impact, or where webbing shows signs of fraying.
- DO NOT use a harness that is twisted or obstructed.
- Seat belt harnesses can only be worn safely with the seats in a near-upright position, no more than 25° from the vertical.
- In most countries it is illegal to travel without wearing a seat belt, unless a medical exemption certificate has been issued.
- During pregnancy, women should wear the lap belt portion of the harness below the baby - if in doubt, consult a doctor.

WEARING A SEAT BELT HARNESS

Failure to wear a harness, or wearing a harness incorrectly, increases the risk of death or serious injury. Read the instructions below and 'Seat belt harness safety' advice.

Before fastening a harness

It is essential to adjust the driver's seat into a comfortable driving position, which will enable the driver to maintain full control of the car at all times (it may be impossible to adjust the seat if the harness is locked in position). Ideally, the seat should be positioned so that the steering wheel can be held with arms slightly bent and the seat back in a near-upright position.

Fastening a harness

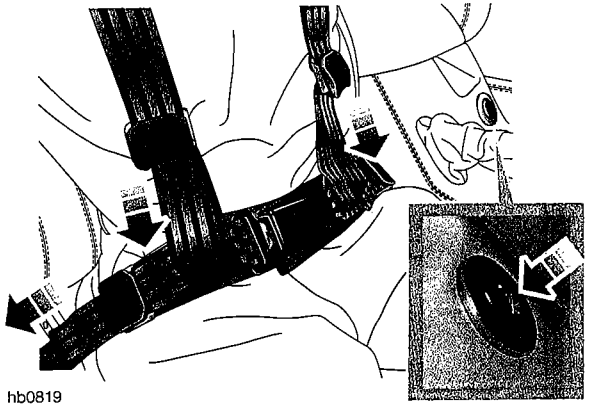
The restraint harness inertia reels mounted in the rear of the vehicle require power from the ignition for them to unreel. For this reason, it is recommended that the harness is adjusted and fastened either, immediately after opening the door and entering the car or, after the ignition switch is turned to position 'II'.

Fully slacken the harness by releasing the four harness clips and pulling the webbing through the integral strap adjusters (see illustration). Pull the shoulder straps over the shoulders - ensure the webbing is not twisted - and fasten the lap buckle. A 'click' indicates that the buckle is locked.

Press the red button on the seat belt buckle to release the harness.

Adjusting a harness

NOTE: The harness inertia reels require power in order to unlock. Therefore, adjustment is only possible with the ignition on, or for a short period once the doors are opened.



hb0819

It is essential to remove all slack from the webbing, ensuring that the harness fits snugly across the shoulders, chest and lap. Always adjust the lap belt BEFORE the shoulder belts, as follows:

Pull both webbing tails outwards to tighten the lap belt, then pull the two shoulder belt tails down firmly until the harness feels snug across the shoulders and chest. The harness will lock in this position.

Locking the harnesses

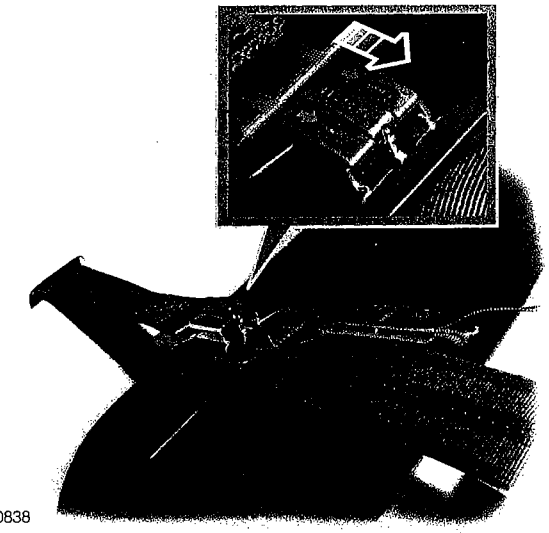
The harnesses are threaded through the backs of the seats and into inertia reels, which, in normal use, are unlocked and allow the occupants some freedom of movement while travelling.

If desired, the inertia reels can be locked; this will result in the occupants being held firmly in their seats and preventing most body movement. To lock the reels, press the harness lock button mounted next to the handbrake (see inset in illustration). A green indicator light illuminates in the button to confirm that the reels are locked.

To release the inertia reel locks, press the button again (light extinguishes).

Seat Belts

Rear access buckle



hb0838

To improve access to the rear of the passenger compartment, it is possible to disconnect the seat belt harness from its inertia reel. On the buckle, slide the release catch towards the front of the car to disconnect.

DO NOT drive with a harness disconnected from its inertia reel - the harness will not operate correctly, thereby increasing the risk of death or serious injury.

CARING FOR SEAT BELTS

Replace a seat belt harness assembly that has withstood the strain of a severe vehicle impact, or where the webbing shows signs of fraying.

For cleaning information, see *'Seat belt harnesses', page 3-20.*

Four tests for checking the restraint harnesses

1. With the seat belt harness fully fastened, give the webbing nearest the buckle a quick pull - the buckle should remain securely locked.
2. With the harness buckle unfastened, unreel the webbing from the inertia reel to its limit. Check that unreeling is free from snags and visually check the webbing for wear. Allow the webbing to retract, checking that retraction is smooth and complete.
3. With the webbing half unreeled, hold the tongue plate and pull forward quickly - the mechanism must lock automatically and prevent further unreeling.
4. Repeat test number 3 with the inertia lock engaged (indicator light in switch illuminated). There should be no unreeling of the belt.

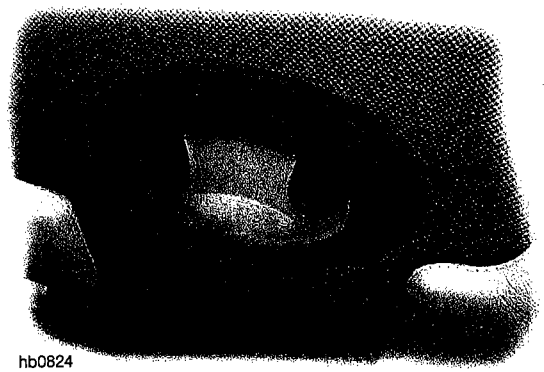
If a harness assembly fails any of these tests, contact your MG XPower Authorised Repairer immediately.

CHILD SEATS AND RESTRAINTS

It is dangerous for children to travel in any type of car without being restrained by a harness, child seat, or restraint system suitable for both their age and size.

Children of twelve years and under and those weighing less than 36 kg (80 lb) are not of sufficient size to be carried safely wearing a standard seat belt harness of the type fitted to your car. Currently, child seats and restraints are not approved for use in your car; until these are available, do not carry persons in these categories in the vehicle.

INTERIOR LIGHTS

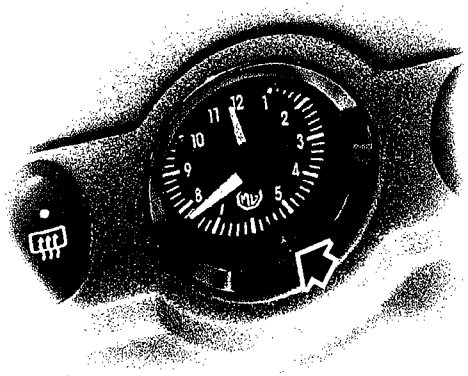


hb0824

The lights illuminate automatically whenever the car is unlocked, or a door is opened, and remain illuminated for 30 seconds after both doors are closed or until the ignition switch is operated.

Press the appropriate switch to operate manually.

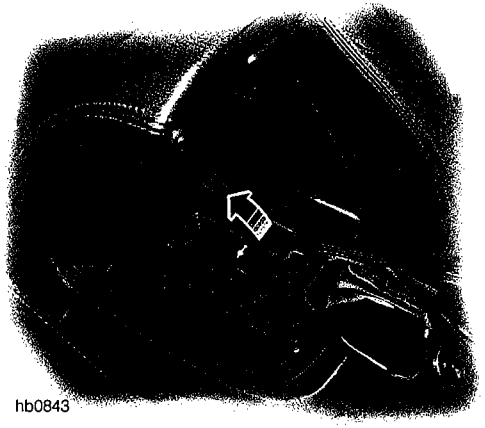
CLOCK



hb0825

Press and hold the adjuster (arrowed) to alter the clock - the hands advance until the control is released. A brief press of the adjuster advances the clock by one minute.

ACCESSORY POWER SOCKET

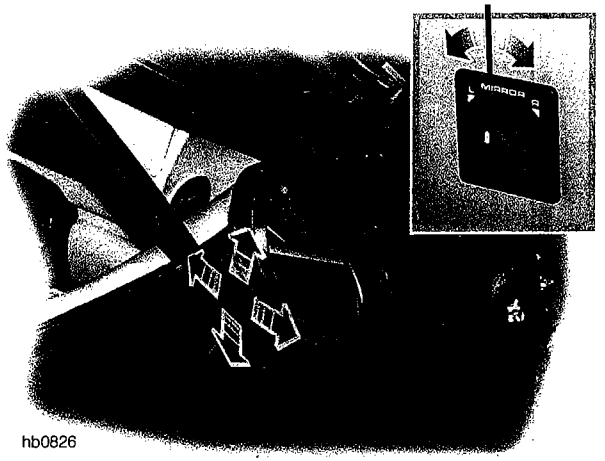

hb0843

Recommended for use with approved accessories only. Using non-approved accessories may overload the car's main electrical system or interfere with other electrical systems on the car.

EXTERIOR MIRRORS

NOTE: Reflected images may appear further away than they actually are.

Mirror adjustment

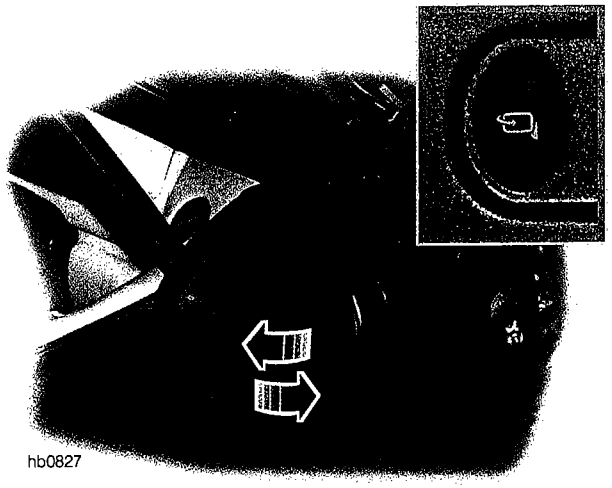

hb0826

1. With the starter at position 'II', turn the mirror switch left or right to select the left or right mirror (see inset).
2. Press the sides of the switch to tilt the glass up/down/left or right.
3. Return switch to the centre (OFF) position.

NOTE: Heating elements operate in conjunction with the rear screen demister to disperse ice and mist.

Mirror folding

The mirrors fold rearwards on impact. They can also be folded back manually or electrically in order to negotiate narrow openings.



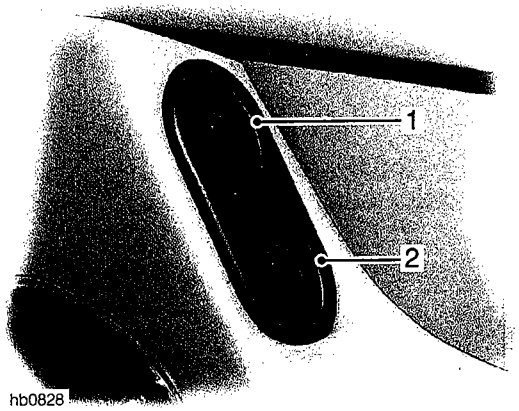
hb0827

Press switch (shown in inset) once to fold or unfold the mirrors. If one mirror is accidentally knocked out of position, press the switch once to resynchronise both.

WINDOW CONTROLS

⚠ ***Closing power-operated windows on fingers, hands or other vulnerable parts may result in injury. ENSURE that your passenger is familiar with the controls and the potential dangers of power operated windows.***

Each window can be operated with the starter switch at position 'II', and for up to 20 seconds after the starter switch is turned off (provided a door is not opened in the meantime).



hb0828

1. Driver's window switch
2. Passenger window switch

Press and hold the lower part of a switch to open and the upper part to close. Window movement ceases when the switch is released.

'One touch' opening

The windows are also equipped with 'one touch' opening. Briefly press the lower part of the switch: the window lowers until fully open, or until motion is stopped by pressing the upper part of the switch.

Window short drop function

When a door is opened, the window on that side of the vehicle automatically opens slightly to release the window from its sealed position. The window will then rise to its sealed position when the door is subsequently closed (unless the window is open).

Window initialisation

If the battery has been disconnected or has become discharged, it will be necessary for the windows to be initialised on reconnection, or after recharging. Initialise both the windows together, as follows:

1. Open windows half-way before disconnecting the battery and turn the ignition off.
2. Disconnect the battery (for at least 5 seconds) - see *'Battery disconnection', page 3-13.*
3. Reconnect the battery, enter the vehicle and close the doors.
4. Turn the ignition on.
5. Fully open both the windows simultaneously, using the window controls on the driver's door. Keep the switches held open for approximately 2 seconds after the windows have fully opened.
6. Fully close both the windows simultaneously, using the window controls on the driver's door. Keep the switches held closed for approximately 2 seconds after the windows have fully closed.

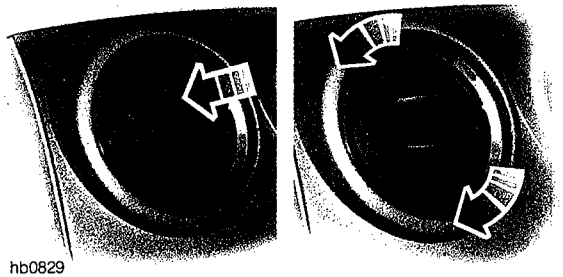
To check that initialisation has been carried out successfully, open the doors - the windows should drop slightly to allow the doors to open.

Close the doors again - the windows should raise fully.

VENTILATION

Air is drawn into the car through the grille in front of the windscreen. Keep the grille clear of obstructions (leaves, snow, etc.).

Face level vents



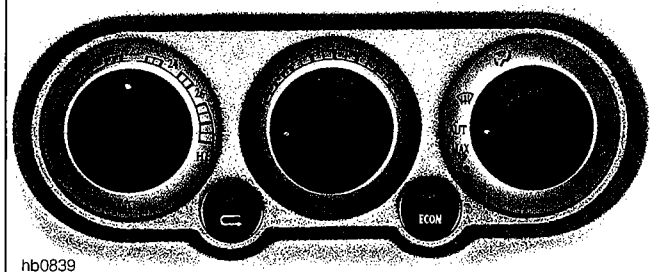
hb0829

Press the thumb depression to open the vents. Rotate to direct air as required. The vents to each side of the fascia can be adjusted to direct air onto the side windows.

NOTE: With face level vents open, airflow to foot and windscreen outlets is reduced.

HEATING AND AIR CONDITIONING

Automatic mode



hb0839

Automatic mode provides adequate heating and ventilation for most climatic and driving conditions with minimum adjustment of controls, and is recommended for its simplicity of operation.

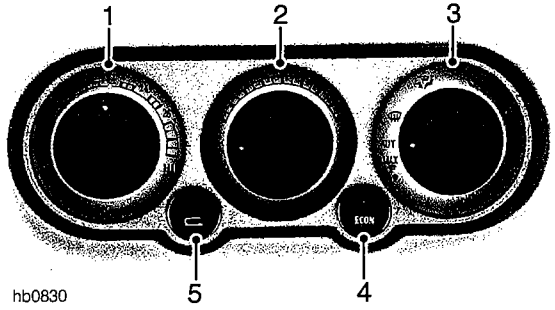
1. Set the fan speed and air distribution controls to 'AUTO' (as shown in illustration above).
2. Adjust the temperature control to suit your requirements (excluding the 'LO' and 'HI' positions).

The air conditioner operates automatically as and when required (DO NOT press the 'ECON' button), and the air recirculation feature also comes into operation when the system requires.

Manual intervention of any of the controls is possible at any time in order to refine passenger compartment comfort (adjusting air distribution, for example); the system will continue to adjust the remaining functions automatically in order to achieve and maintain the required passenger compartment temperature. However, if the air conditioner is switched off ('ECON' button pressed and switch light illuminated), the system cannot supply cooled or dehumidified air, which may make it impossible to achieve an internal temperature lower than that outside the car.

Turning the fan speed control to the 'OFF' position switches the system off.

System description and controls



hb0830

1. Temperature control
Rotate to set the required passenger compartment temperature. Select 'HI' or 'LO' to obtain maximum heating or cooling.

The temperature markings (18 - 26) are nominal values only and not necessarily representative of actual temperatures (their reference values are determined at engine start-up according to a combination of the selected passenger compartment and prevailing exterior temperatures). Further adjustment may be necessary while driving.

The 'HI' and 'LO' settings represent the maximum and minimum heating or cooling capabilities of the system and are relative to the prevailing exterior and car interior temperatures at any given time.

NOTE: A solar sensor, centrally located on the top of the dashboard, provides temperature information for automatic adjustment of the air conditioning. It is important that the sensor is not covered.

2. Fan speed
Rotate to increase or decrease the flow of air into the passenger compartment. Select 'AUTO' for automatic operation of the system. Select 'OFF' to deactivate the heating and ventilation system.

3. Air distribution

- Face level
- Floor and face level
- Floor, some air to side windows and windscreen
- Windscreen, side windows and floor
- Windscreen and side windows

Select 'AUTO' for automatic operation of the system.

Select 'MAX' for maximum demisting/defrosting of the windscreen.

4. Air conditioning (ECON)

The air conditioning compressor is always active unless deselected. Press to deactivate (switch light illuminates green).

With the compressor deactivated, adjustments to fan speed, air distribution and temperature settings can still be made, however the system can only deliver heated air and it may be impossible for the system to achieve the passenger compartment temperature that has been set (e.g. if the system is required to deliver air at a lower temperature than that prevailing outside the car).

In this case, the 'ECON' light will flash for approximately 8 seconds before resuming constant illumination. If the compressor remains deactivated, further periods of flashing will occur whenever the temperature, fan speed or air distribution controls are adjusted (does not apply to 'LO', 'OFF' or 'MAX' selections).

If 'LO' or 'MAX' are selected, the air conditioning compressor will switch on automatically.

5. Air recirculation

Press to activate (switch light illuminates green) to prohibit the entry of exterior air (prevents fumes from entering the car while stationary in traffic). Press again to deactivate (switch light extinguishes).

With the heating and ventilation system in automatic mode, air recirculation may be selected automatically in order to assist the system to reach the required passenger compartment temperature. In this case, the switch light will illuminate constantly, but the feature operates intermittently only according to the requirements of the system. Any manual intervention will exclude air recirculation from the automatic mode until after the next engine start-up.

NOTE: To prevent window misting, automatic mode avoids selection of air recirculation unless the air conditioner is operating. Similar overrides also apply to manual operation of the control: if the air conditioner is switched off, air recirculation is inhibited and if air recirculation is selected, the air conditioner starts operating automatically.

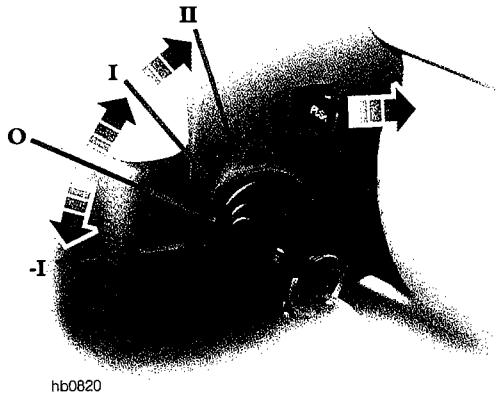
WARNING: Using air recirculation in damp or cold weather may cause windscreen misting, impairing vision.

Heated rear screen and mirror heaters

Press to activate (switch light illuminates green). The rear screen and mirror heaters operate only when the engine is running and switch off automatically after approximately 14 minutes.

IGNITION SWITCH

DO NOT remove the key or turn switch to position '0', while the car is moving - the steering lock will engage, making it impossible to steer the car.



hb0820

-I Ignition off - key locked
Key locked. Lights, audio system and windows operational.

0 Steering locked
Most electrical circuits non-operational. Key unlocked. Push key release lever forward to select '0' position from 'I' or '- I'.

I Steering unlocked
Audio system and cigar lighter operational. Key lock activated.

II Electrical circuits on
Instruments, lights and electrical circuits operational.

NOTE: The engine is started using the starter button on the centre console (see 'STARTING THE ENGINE', page 2-28)

Key release lever

The key lock engages automatically when the key is turned from position '0'. To disengage: with the key in position 'I', push the release lever forward and turn the key to position '0'. The key can now be removed.

Ignition key warning buzzer

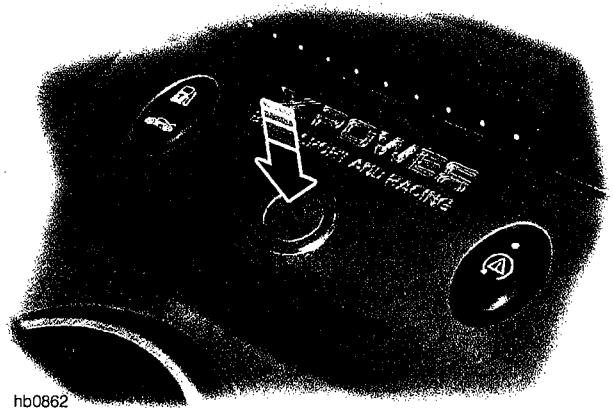
If the key is left in the ignition switch, a buzzer sounds when the driver's door is opened (the buzzer ceases when the key is removed or door is closed).

Steering lock

After removing the key, turn the steering wheel towards the kerb until the lock engages. A small movement of the steering wheel while turning the ignition switch to position 'I' will help to disengage the lock

STARTING THE ENGINE

⚠ ***Never run the engine in an unventilated building - exhaust gases contain carbon monoxide, which can be fatal.***



hb0862

1. Check that the handbrake is on and that the gear lever is in neutral ('P' for automatic transmission).
2. Switch off all unnecessary electrical equipment and turn the ignition key to position 'II'.
3. Depress the clutch (manual transmission) and press and hold the starter button, then release as soon as the engine has started.

Do not press the accelerator while starting and do not operate the starter for more than a few seconds at a time. If the engine fails to start, switch off and wait for at least 10 seconds before trying again.

NOTE: Continued use of the starter may discharge the battery and damage the starter motor and catalytic converter.

If the engine fails to start, or starts but will not continue running, press the accelerator half way down while operating the starter. DO NOT pump the accelerator while starting, or continue operating the starter after a few failed attempts.

Starting in cold climates

As the starter may need to be operated for longer, unnecessary electrical equipment must be turned off while cranking.

NOTE: In cold conditions, cranking times will increase (but must not be allowed to exceed 15 seconds).

Warming up

In the interest of fuel economy, drive the car soon after starting, remembering that harsh acceleration, or labouring the engine before normal operating temperature is reached, can damage the engine.

Running-in

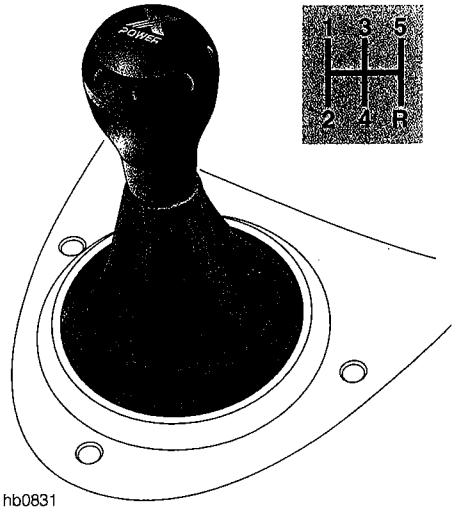
Engine, gearbox, brakes and tyres need time to adjust to the demands of everyday motoring. During the first 600 miles (1,000 km):

- Do not allow the engine to exceed 3,000 rev/min in any gear.
- Do not operate at full throttle in any gear.
- Do not allow the engine to labour in any gear.
- Avoid heavy braking where possible.

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

Starting and Driving

MANUAL GEARBOX



Selecting reverse (R)

Ensure the car is stationary and pause briefly before selecting reverse.

Precautions while driving

- Do not rest your hand on the gear lever - hand pressure causes premature wear to the selector mechanism.
- Do not rest your foot on the clutch pedal - this will cause excessive wear to the clutch.
- Do not hold the car stationary by slipping the clutch - this will wear out the clutch.

HANDBRAKE AND BRAKE SYSTEM

Functions of the brake system warning light are described under *'WARNING LIGHTS', page 2-8.*

⚠ ***If the warning light illuminates while driving, stop as soon as safety permits. Do not drive with the light illuminated.***

FOOT BRAKE

The brakes operate through dual circuits. If one circuit should fail, the other will still function, but braking performance will be reduced. If greater pedal effort, or longer stopping distances are experienced, drive at slow speed only and seek qualified assistance.

The brakes are servo-assisted, but ONLY while the engine is running. Without servo assistance greater pedal effort is required to control the car, resulting in longer stopping distances.

⚠ ***NEVER move the car, or freewheel without the engine running - the brakes will still function, but more pedal pressure will be required.***

HANDBRAKE

⚠ ***DO NOT apply the handbrake while moving; this could result in loss of control and may damage the rear brakes.***

Pull the lever up fully to apply the handbrake. To release, pull the lever up slightly, press the release button and push the lever fully down.

Parking on slopes

Manual gearbox cars: Apply the handbrake and select a low forward gear when facing uphill and reverse gear when facing downhill.

Automatic gearbox cars: Apply the handbrake and select 'P' (Park) to lock the transmission.

ANTILOCK BRAKING SYSTEM (ABS)

⚠ *ABS cannot overcome the physical limitations of stopping the car in too short a distance, cornering at too high a speed, or the danger of aquaplaning (where surface water prevents adequate contact between the tyres and road).*

ABS is designed to prevent the wheels from locking while braking, thereby enabling full steering control to be retained.

Under normal braking ABS is not activated, but if the braking force exceeds the available adhesion between tyres and road, causing the wheels to lock, then ABS automatically comes into operation. This will be recognisable by a rapid pulsation felt through the brake pedal.

The ABS monitoring system checks that all components (including the warning light, see *'WARNING LIGHTS', page 2-8*) are working correctly as soon as the starter switch is turned on, and also at frequent intervals during a journey. If a fault is detected, the warning light will illuminate and the ABS system will shut down.

NOTE: The normal braking system remains fully operational and is not affected by any loss of the ABS. However, braking distances may increase.

Emergency braking

⚠ *DO NOT pump the brake pedal; this will interrupt operation of the ABS and may increase braking distance.*

In an emergency apply full pedal effort even when the road surface is slippery. ABS will monitor the rotational speed of the wheels and vary braking pressure to each according to the amount of traction available, thereby ensuring that the wheels do not lock and that the car is brought to a halt in the shortest possible distance.

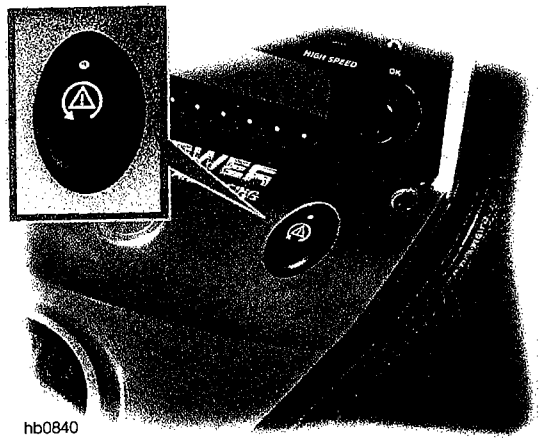
Normal steering control will be maintained no matter how hard you brake. However, remember that ABS operates only AFTER control of the car has been lost, and cannot compensate for driver error.

NOTE: With ABS operating on soft surfaces (snow, sand, gravel), braking distances may be greater than without ABS, because a locked wheel tends to build up a wedge of surface material in front which assists stopping.

TRACTION CONTROL

⚠ *Traction control cannot overcome the physical limitations of the car cornering at too high a speed and cannot prevent any accident which may result.*

Traction control improves grip and stability when unstable, wet or slippery road surfaces are encountered. The system monitors traction whenever the engine is running and, if necessary, activates automatically to reduce wheel spin by limiting engine torque to the rear wheels. When traction control is activated, the warning light in the instrument panel illuminates.



hb0840

If desired, traction control can be manually deselected at any time, by pressing the switch on the centre console. The switch light illuminates to inform the driver that the car is operating without the advantages of traction control.

Press again to re-enable traction control.

TYPE OF FUEL

⚠ ***Serious engine damage may occur if the wrong fuel is used!***

Use only the fuel specified under *'FLUID SPECIFICATIONS', page 5-7.* This is a minimum specification and can safely be exceeded.

The RON value of petroleum varies in different parts of the world. Engines are tuned to suit the fuel supplies available in the market in which the cars are sold. If a car is later exported, or used to travel to different countries, available fuel supplies may not be compatible with the engine tune. If in doubt, consult an Authorised Repairer.

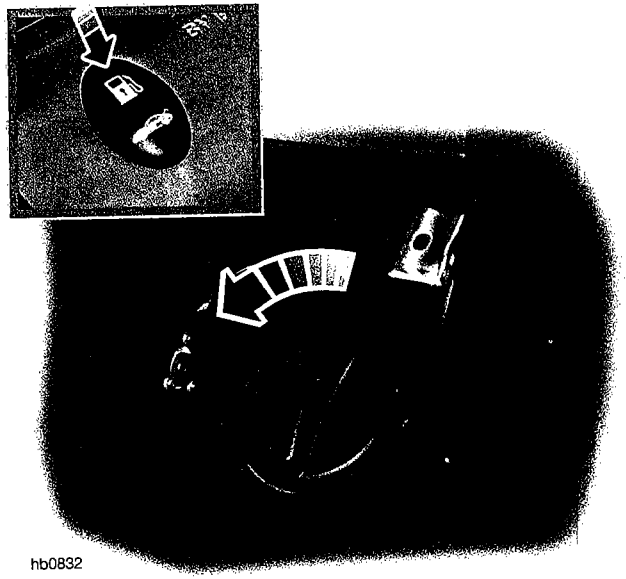
SAFETY ON THE FORECOURT

⚠ ***Petroleum gases are highly inflammable and, in confined spaces, extremely explosive. Always heed the following:***

- ***Switch off the engine.***
- ***Do not smoke or use a naked flame.***
- ***Do not overfill the tank, or spill fuel.***
- ***Do not use mobile phones.***

FUEL FILLING

⚠ ***DO NOT fully fill the tank if the car is to be parked in high ambient temperature - fuel expansion may cause spillage.***



hb0832

1. Press the front part of the rocker switch on the centre console (arrowed in inset) to release the filler flap.
2. Turn filler cap a quarter turn anti-clockwise (until it clicks) to remove.

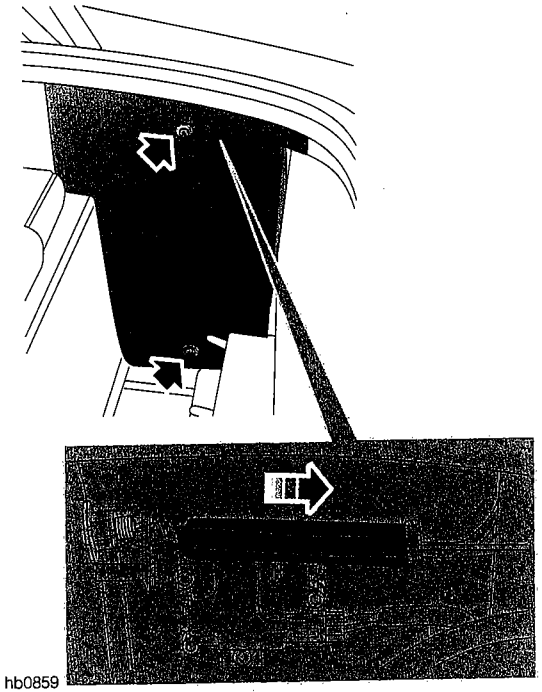
The filler tube only accepts filler nozzles of the type found on pumps that deliver unleaded fuel. A flap lies across the filler neck; insert the nozzle sufficiently to fully open the flap before filling.

Fill the tank SLOWLY until the supply of fuel cuts-off. DO NOT continue filling, or expansion of the fuel may cause spillage.

EMPTY FUEL TANK

If the fuel tank is run dry, refuel and start the engine. If the engine runs unevenly, or lacks power, switch off and contact an Authorised Repairer.

FUEL FILLER FLAP EMERGENCY RELEASE



hb0859

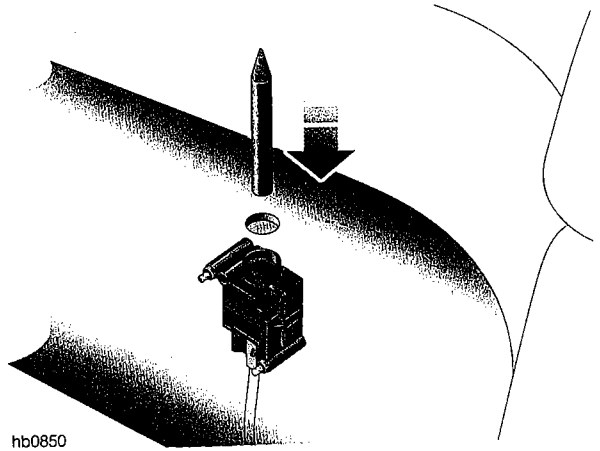
A manual fuel filler release is located behind the right-hand tail light access panel. From inside the luggage compartment, use a screwdriver to release the access plate. Pull the fuel filler release cable to open the flap.

FUEL CUT-OFF SWITCH

⚠ ***ALWAYS check for fuel leaks before resetting the switch.***

In the event of a collision or sudden impact, the switch cuts off the fuel supply to the engine, unlocks the doors and switches on the hazard warning lights. The switch must be reset by pressing the top of the switch before the engine can be started.

Resetting the fuel cut-off switch



hb0850

Model without storage compartment illustrated

Cars fitted with rear storage compartments:
The switch is located inside the storage compartment behind the left-hand seat. Open the storage compartment and press the top of the switch to reset.

Cars without rear storage compartments:
An access aperture is provided behind the left-hand seat. Insert a suitable probe (a pencil, for example) into the aperture and by feel, press the top of the switch to reset.