



ASTON MARTIN

DB AR1

Owner's Guide



ASTON MARTIN

Whilst every effort has been made to ensure the accuracy of the particulars contained in this Owner's Guide, neither the Manufacturer nor the Dealer, by whom this Owner's Guide is supplied, shall in any circumstances be held responsible for any inaccuracy or the consequences thereof.

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The manufacturer reserves the right to vary specifications without notice in accordance with its policy of continual product improvement.

Produced by the Technical Publications Department

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Vehicle Provenance

Model
e.g. Manual/Auto/Touchtronic

Colour
Body Exterior Interior Trim/ Piping
Interior Veneers

Vehicle Identification Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

As on the VIN plate

First Owner

Vehicle prepared for:
First Owner

By - Selling Dealer
Name

Date of Delivery
Date Delivered to First Owner

Second Owner

.....
Name

Selling Dealer
Dealer Name

Date of Sale
Date Sold

DB AR1 Vehicle Provenance

Third Owner

.....
Name

Selling Dealer

.....
Dealer Name

Date of Sale

.....
Date Sold

Fourth Owner

.....
Name

Selling Dealer

.....
Dealer Name

Date of Sale

.....
Date Sold

Fifth Owner

.....
Name

Selling Dealer

.....
Dealer Name

Date of Sale

.....
Date Sold

Introduction

Vehicle Provenance	iii
Warnings, Cautions and Notes	vi
General Information	vii
Reporting Safety Defects (USA)	x
Reporting Safety Defects (Other Markets)	x
Regular Checks	xi
Glossary of Terms	xii

Section 1 - Owner's Guide

Before Driving	1-A-1
Controls	1-B-1
Driving	1-C-1
Heating, Ventilation & Air Conditioning	1-D-1
Security System	1-E-1
Owner Maintenance	1-F-1
Specifications	1-G-1

Section 2 - Service Schedules & Service Records

Service Schedules	2-A-1
Service Records	2-B-1

Section 3 - Warranty and Emergency Service

Warranty	3-A-1
Aston Martin Emergency Service	3-B-1

Section 4 - Dealer Directory

Aston Martin Lagonda Ltd. Worldwide Dealer Directory	4-A-1
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Section 5 - Index

Index	5-A-1
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DB AR1 Owner's Guide

Warnings, Cautions and Notes

Within this Owner's Guide, advice is given at three levels, Warnings, Cautions and Notes. Take particular care to read all relevant advice before operating or servicing the vehicle.

Warnings

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

Example:

WARNING: Avoid touching the sides of the engine when working in the engine compartment. The exhaust system will be hot if the engine has recently been run.

Cautions

Procedures which must be followed precisely to reduce the possibility of damage to the vehicle.

Example:

Caution: Take care that hydraulic fluid does not contact the paint work during the topping-up operation. Serious paint work damage can result. If a spillage does occur, immediately flush the hydraulic fluid from the paint work with clean, fresh water and then wipe with a clean damp cloth.

Notes

Procedures which will help to avoid difficulties in the operation of the vehicle.

Example:

Note: The ignition must be switched on (position I or II) before the door mirrors can be adjusted.

General Information

DB AR1 Owner's Guide

This Owner's Guide forms part of the essential vehicle equipment for homologation purposes and must remain with the vehicle at all times.

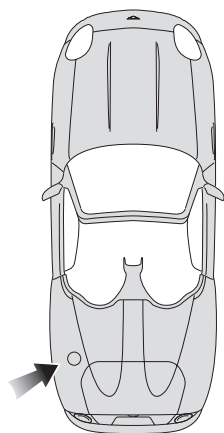
Important Safety Information

1. Always wear your seat belt.
2. Never drive under the influence of alcohol or drugs.
3. Always obey all speed and traffic laws and regulations. Never drive faster than the posted speed limit or than conditions allow.
4. Be particularly careful driving on slippery or wet surfaces.
5. Your DB AR1 is a high performance car and has handling characteristics that you may not be accustomed to. Familiarise yourself with the car and always drive prudently, being aware of your own limitations and the limitations of the vehicle. As with other vehicles of this type, failure to operate the vehicle properly can result in accident and injury.
6. Follow the maintenance schedule prescribed in this guide.
7. Never allow your DB AR1 to be driven by inexperienced drivers.
8. Never allow your DBAR1 to be worked on by unqualified individuals.
9. To be sure that you are receiving qualified technical assistance using correct parts, have all service work performed by an Aston Martin dealer.
10. Use snow tyres in winter conditions

Maintenance and Servicing

Regular maintenance and servicing is the responsibility of the owner. Regular routine maintenance helps to prevent unnecessary breakdowns and inconvenience. Each vehicle is given a full Pre-Delivery Inspection to ensure that all systems function correctly and that the vehicle meets its specifications. Failure to carry out maintenance at the recommended intervals could result in deterioration of vehicle performance and possible infringement of regulations. Such lack of proper maintenance may also adversely affect your warranty protection.

Your Aston Martin dealer will arrange for appointments on a distance or time interval basis to ensure that all routine and corrective maintenance work is undertaken and recorded in the 'Service Schedules and Service Records' section of this Owner's Guide.



Location of Components

When reading component descriptions or when following procedures in this Owner's Guide, the following convention is adopted for locating items within the vehicle.

All directions are described as viewed from the driver's seat. Thus the fuel filler cap indicated on this diagram will be described as "located at the rear left side of the vehicle".

Vehicle Identification

The Vehicle Identification Number (VIN) is shown in the left hand corner of the windscreen.



The Vehicle Identification Plate attached to the right front inner wing is model and market dependant but typically contains the following types of information:



Note: Gross axle weight is the maximum permissible weight on a single axle. The sum of the axle weights must never exceed the maximum permitted laden weight of 2152kg.

Reporting Safety Defects (USA)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Aston Martin Lagonda (North America) Inc. 533 MacArthur Boulevard, NJ 07430-2326.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your Dealer, or Aston Martin Lagonda (North America) Inc.

To contact NHTSA, you may either call the Auto Safety Hot-line toll-free at 1-800-424-9393 (or 366-0123 in Washington D.C. area) or write to: NHTSA, U.S. Department of Transportation, Washington D.C. 20590.

You can also obtain other information about motor vehicle safety from the Auto Safety Hot-line.

Reporting Safety Defects (Other Markets - Non-USA)

If you believe that your vehicle has a safety defect which could cause a crash or could cause injury or death, you should immediately inform your Aston Martin dealer or the manufacturers service operations department at the address below:

Aston Martin, Service Operations, Banbury Road, Gaydon, WARWICK, CV35 0DB, England

Telephone	(44) (0)1926 644700
Facsimile	(44) (0)1926 644733

Regular Checks

In the interests of safety and reliability, it is advisable to carry out the following checks at the intervals suggested (more frequently if the vehicle is heavily used or operating in adverse conditions), and always before starting on a long journey. Refer to the Owner Maintenance section of this guide.

Each Day

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

Weekly - (Daily if covering high mileage or touring)

Tyres - Check the tyres, including the spare (if fitted) for condition and pressure. See the 'Specifications' section for the recommended tyre pressures.

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

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

Engine Cooling System - With the engine cold, check the level of the engine coolant. Top-up if necessary with coolant containing the required percentage of anti-freeze. Any significant coolant loss should be investigated by your Aston Martin Dealer.

Brake Fluid - Check the level of the fluid in the brake reservoir. Top-up if necessary with the specified brake fluid from a new unopened container.

Power Steering Fluid - Check and top-up the level of fluid in the power steering reservoir with fluid of the correct specification.

DB AR1 Owner's Guide

Monthly

Windscreen Washer - Top-up with the recommended windscreen wash fluid. Check the operation of the windscreen washers. Use the recommended concentration of additives to prevent freezing in winter conditions. Check the windscreen wash fluid level more frequently if the wash system is being heavily used.

Safety Warning

Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the state of California to cause cancer, and birth defects or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the state of California to cause cancer, and birth defects or other reproductive harm.

Glossary of Terms

The following glossary contains frequently used alternative names or spellings for vehicle components mentioned in this Owner's Guide:

Bonnet	Hood
Boot	Trunk
Brake Disc	Rotor
Handbrake	Parking Brake
Petrol	Gasoline
Tyre	Tire
Wing	Fender
Windscreen	Windshield

Contents

Vehicle Keys 1-A-2

The Security System and Door Locks 1-A-3

Rain Cover 1-A-7

Adjustments Before Driving 1-A-10

Seat Belts..... 1-A-14

Airbags 1-A-20

Interior Storage 1-A-22

A - Before Driving

Vehicle Keys

Your DB AR1 is supplied with two sets of keys. Each set contains the following:

- One ignition/door key
- One key number tag
- One key for the centre armrest storage box
- One alarm key fob



Security of Keys and Alarm Key Fobs

It is important to keep your keys and alarm key fobs in a safe place at all times. Leaving them in a conspicuous place is an invitation for a thief to steal them and consequently your car and belongings. Keep your key sets secure at all times.

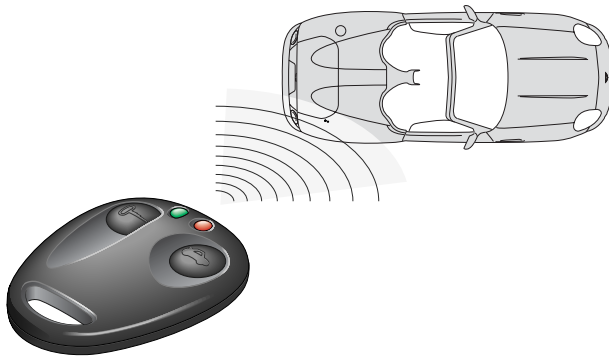
Remove the key number tags from each key set and keep them secure. They will be required if you wish to obtain replacement keys.

The Security System and Door Locks

Your DB AR1 is fitted with sophisticated security systems which protect your car against theft. The alarm system is linked to the central locking system. The following two pages describe the basic operations required to turn on or off the alarm and at the same time to lock or unlock the car. The systems are fully described in section 'E - Security Systems'.

Alarm Key Fob

Basic alarm functions are controlled using the alarm key fob which sends radio signals to the alarm unit aerial near the rear window when either the left or right key fob button is pressed.



The left button is used for turning the alarm system on/off and locking/unlocking the car. The right button is used for unlocking the boot.

The key fob has a range of about 10 metres (30 feet) when operating with no intervening obstructions.

A - Before Driving

Unlocking the Car / Turning off the Alarm

To unlock the car and turn the alarm system off, approach to within 10 metres (30 feet) of the car and point the key fob towards the rear window. Press the left button on the alarm key fob.

The exterior direction indicators flash three times, indicating that the alarm has been switched off. At the same time, the central locking system unlocks the car doors and fuel filler flap. Alarm sensing on the boot lock is also switched off so that the boot may be opened without triggering the alarm.

Locking the Car / Turning on the Alarm

To turn the alarm system on and lock the car, stand within 10 metres (30 feet) of the car and point the key fob towards the rear window. Press the left button on the alarm key fob.

The direction indicators flash once as the alarm is switched on. Alarm sensing is then operative on the door locks, bonnet and boot. At the same time, the car doors, boot and filler flap are locked by the central locking system.

Engine Immobiliser

The engine is immobilised by the Passive Anti-Theft System (PATS) and may not be started until a correctly coded key is inserted and turned in the ignition switch (See 'Security Systems' for a full description of PATS). The PATS system is fully automatic and requires no intervention from the driver.

Door Locks

The door locks and fuel filler flap are centrally controlled and are normally unlocked when the left button is pressed on the alarm key fob. The boot lock is also enabled at this time but does not release until opened using the boot release switch, ignition key or by pressing the right button on the key fob.

NOTE: If a door is unlocked and opened with the key whilst the alarm is switched on, the alarm will sound.

If the alarm system is off, then locking or unlocking of either door with the ignition key causes simultaneous locking or unlocking of the other door and the fuel filler flap by means of the central locking system.

Door Sealing

Your DB AR1 is fitted with frameless door windows. A special door sealing system is fitted to ensure a tight fit of the door glass to the seal along the 'A' post.

When you open a door, the window glass is automatically lowered a few millimetres to clear the door seal.

As you close a door, the window glass is automatically raised against the body frame rubber seals.

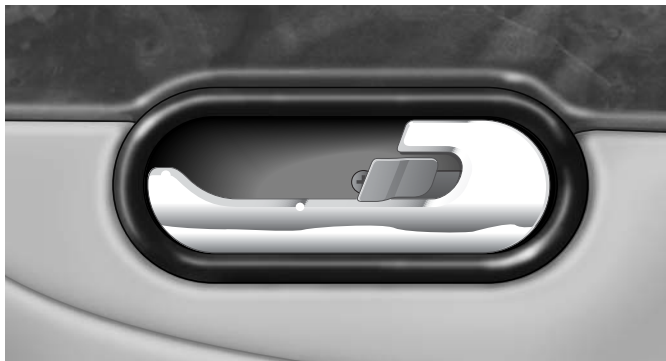
WARNING: Ensure that all occupants are clear when the window mechanism is operating.

Caution: Door Seal Damage - Reconnect the battery (see Battery Reconnect Switch 1-F-35) before opening the doors to avoid damage to the door seals.

A - Before Driving

Interior Door Handles and Locks

To open either car door from inside, pull on the release lever and push outwards on the door.



Locking the Doors when Inside the Car

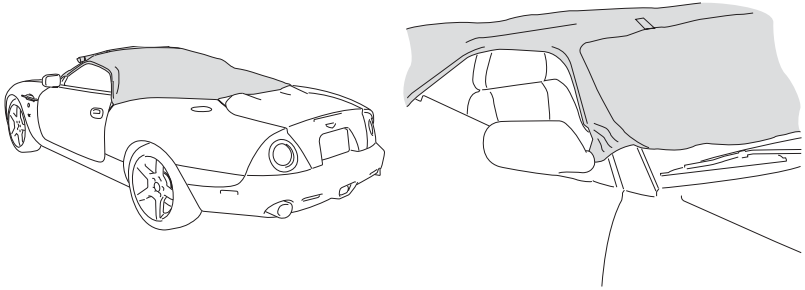
If you wish to lock the car doors from inside the vehicle, push the lock tab on the release lever towards the rear of the car. This will activate the central locking system and lock both doors and the fuel filler flap.

WARNING: The interior door handle will also be disabled at this time.

Pushing the lock tab towards the front of the car will unlock the doors and fuel filler flap.

Rain Cover

To protect the interior of your DB AR1 during periods of inclement weather a rain cover is provided.



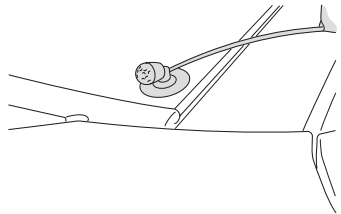
WARNING. *Aston Martin recommend that your DB AR1 is not to be driven while the rain cover is installed.*

If it is essential that your DB AR1 is to be moved with the rain cover installed, i.e. to move to a safe parking area or into a covered area, do not exceed 5 m.p.h. and only drive a very short distance. The front of the rain cover, over the windscreen, can be rolled up, allowing the driver to have vision.

To Fit the Rain Cover

Before fitting the rain cover raise both door windows fully and remove the ignition key from the ignition lock.

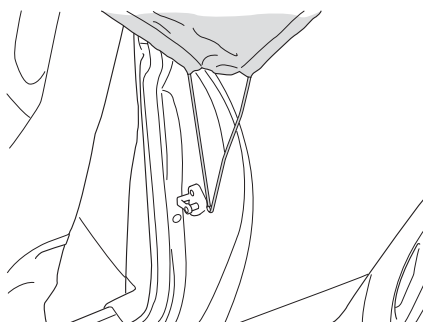
1. Remove the rain cover from its storage bag.
Place the rain cover over the windscreen, black side up, with the two sucker attachments towards the front of the vehicle. Attach the suckers to the windscreen (one in each bottom corner of the windscreen).



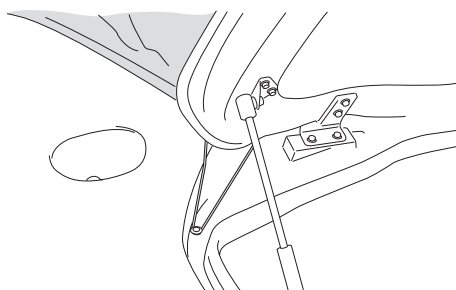
Note: Place the sucker attachments close to the corners, this will enable the windscreen wipers to operate if required.

A - Before Driving

2. Pull the rain cover backwards over the vehicle and locate two (L/H and R/H) elastic cords over the door area mountings.



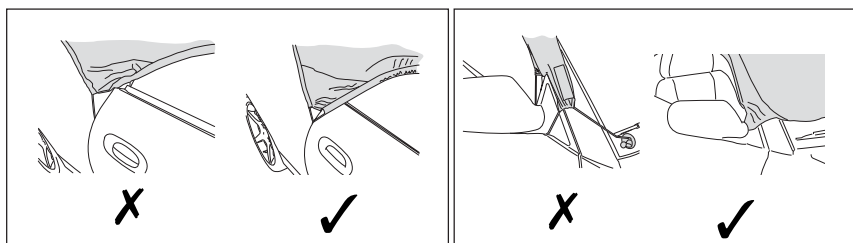
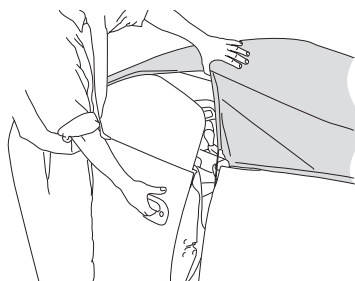
3. Continue to pull the rain cover backwards and locate the two (L/H and R/H) elastic cord pulls over the boot area mountings.



4. Close the doors. Guide the rain cover over the window as the door is closed.

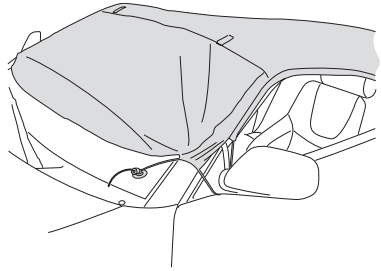
Take care not to trap the rain cover.

Ensure that the rain cover is fitted correctly.



5. Install the two (L/H and R/H) elastic cord pulls over the door mirrors.

With the rain cover fitted both doors can still be opened and closed. As a door is opened or closed take care to lift the rain cover clear of the window.



Note: To aid door opening, remove the elastic cord pull from the door mirror. Refit after closing the door.

Take care not to trap the rain cover. Ensure that the rain cover is fitted correctly.

To Remove the Rain Cover

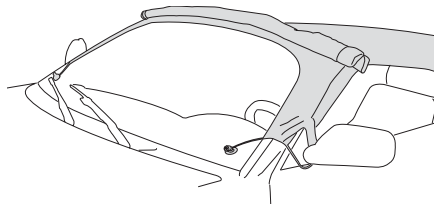
Remove the rain cover from the vehicle starting from the rear of the vehicle and work forwards, removing the sucker attachments last.

Ensure that the rain cover is completely dry before packing it away in its storage bag.

Manoeuvring with Rain Cover Fitted

WARNING. *Aston Martin recommend that your DB AR1 is not to be driven while the rain cover is installed.*

If it is essential that your DB AR1 is to be moved with the rain cover installed, i.e. to move to a safe parking area or into a covered area, do not exceed 5 m.p.h. and only drive a very short distance.



A section of the rain cover covering the windscreen can be rolled up (secured with velcro) to allow forward vision in the event of essential vehicle movement with the rain cover fitted.

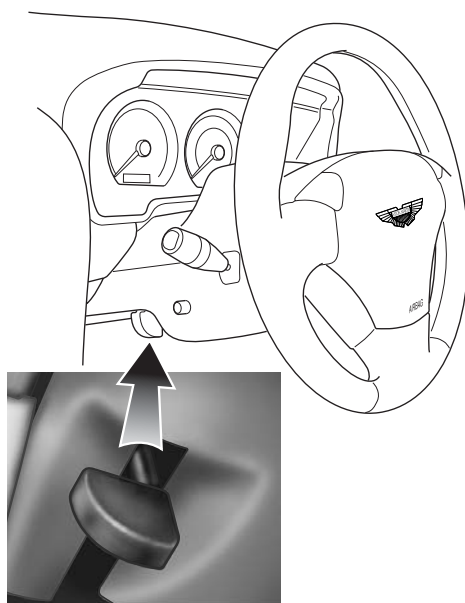
A - Before Driving

Adjustments Before Driving

When you get into the car you should check and, if necessary, adjust the seat, steering wheel, interior and door mirrors, and secure your seat belt. The controls for these functions are described on the following pages.

Steering Wheel

WARNING. Do not attempt to adjust the steering wheel whilst driving.



Rake

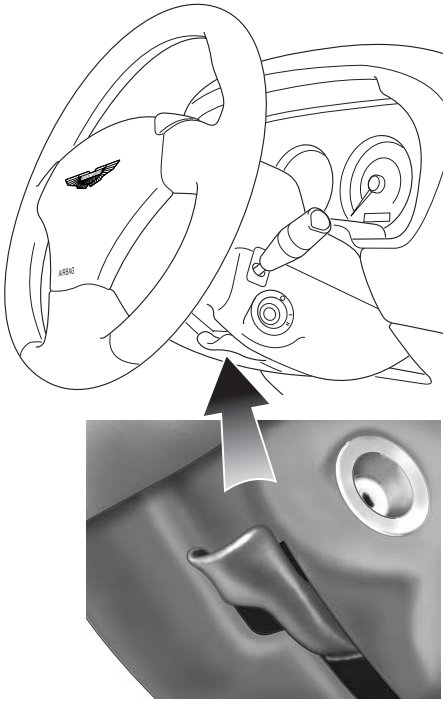
The rake of the steering wheel is adjusted by using the release lever to the left of the steering column.

The steering wheel rake may be locked in any one of four positions.

Pull the release lever and apply downwards pressure on the steering wheel. Hold the wheel in the desired rake position and lock it by releasing the lever.

After locking, attempt to move the wheel up and down to ensure that the lock is fully engaged.

A - Before Driving



Reach

The reach to the steering wheel may be adjusted by pushing down the lever below the steering column.

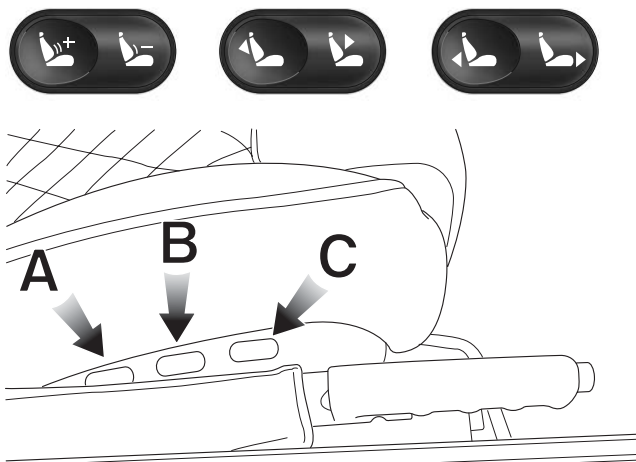
Adjust the reach position of the wheel and then raise the lever to lock the wheel position.

After locking, attempt to move the wheel in and out to ensure that the lock is fully engaged.

A - Before Driving

Seat Controls

WARNING: Do not attempt to adjust the seat whilst driving.



The Seat Control Panels

Three rocker switches are mounted on the outside of each front seat. The switches may be operated with the ignition on or off.



Lumbar Support - Press either the + or - symbol on the rear switch (A) to increase or reduce lumbar support.



Seat Back Angle - Use the centre switch (B) to increase or decrease the angle of the seat back.



Front to Rear - Use the forward switch (C) to move the seat in the front to rear direction.

Interior Mirror

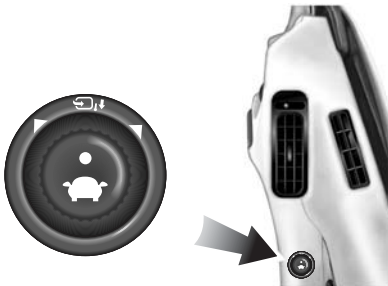


The interior rear view mirror can be adjusted on its ball mounting until a satisfactory rear view is obtained when sitting in the normal driving position.

The rear view mirror can be dipped to reduce the glare from the headlights of following vehicles.

Pull the tab towards the rear to dip the mirror. Push the tab forwards to re-establish the normal view.

Door Mirror Switch



The exterior door mounted mirrors can be adjusted using a single control knob mounted on the driver's door.

Note: The ignition must be switched on (position I or II) before the door mirrors can be adjusted

To select the mirror to be adjusted rotate the knob left or right.

The joystick can then be moved forwards and backwards or to the left or right to adjust the mirror up/down or left/right as required.

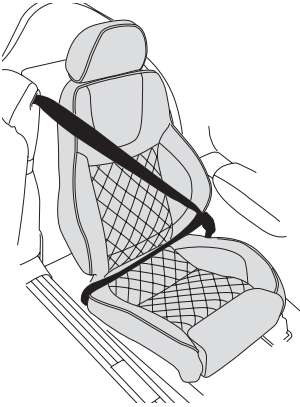
Powerfold Mirrors



Push the control knob towards the mirror symbol and hold to fold the door mirrors against the door when parked. Repeat this procedure to unfold the mirrors before driving the car.

A - Before Driving

Seat Belts



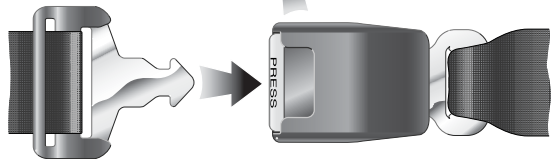
The DB AR1 is fitted with two inertia reel seat belts which automatically tension to provide security with comfort. In the event of a collision or during severe braking, the belt reel will lock.

A light on the instrument panel is illuminated when the car is started and the driver's seat belt is not fastened. There is also a brief reminder buzzer that sounds at the same time.

Seat Belt Fastening

Sit upright with your back fully in contact with the seat back. Pull out the seat belt, drawing the tongue over the shoulder and across the chest.

Note: When parked on an incline, the belt may lock as it is withdrawn. This is not a fault. If the mechanism locks, release the belt tension and then pull gently to avoid operation of the inertia lock.



Push the tongue into the belt buckle latch until a positive click is heard.

Pull upwards on the diagonal belt to ensure secure latching and to remove all slack from the belt. Finally, double check that the lap belt is fitted snugly, low down across the hips, and that there are no twists.

If it is necessary for an occupant to adjust their seat or seating position during a journey, the belt tension might be disturbed. The occupant should therefore (as soon as it is safe to do so) gently pull down the shoulder run of the seat belt to create some slack and then immediately release it to re-tension the belt for the new seating position.

Seat Belt Pretensioner

The seat belt pretensioner system is designed to hold vehicle occupants against the seat back when a frontal collision occurs.

The seat belt pretensioner system works in conjunction with the airbag system. In a serious frontal impact, as the airbags are triggered, the pretensioners will also be triggered. These apply additional tension to the front seat belts to hold the front seat occupants back in their seats.

Automatic Locking Retractors (ALR)

All vehicles are fitted with an ALR seat belt in the front passenger seat.

This system is designed to securely hold child seats. The ALR system temporarily locks the belt securing the child seat.

Securing a Child Seat (ALR System)

Fit the child seat following the manufacturers instructions. Gently pull out the relevant inertia reel seat belt until fully extended. The ALR system will only engage at the maximum extension point of the seat belt.

A - Before Driving

Thread the belt tongue through the child seat as instructed by the manufacturer. Engage the tongue into the belt buckle. Adjust the tongue position on the belt if necessary to ensure that the lower belt run is tight and then allow the upper run of the seat belt to fully retract until the child seat is securely held. The ALR system will be heard 'clicking' as the seat belt retracts. When fully retracted, pull down on the upper run of the belt to check that the ALR lock has engaged.

Child Seat Removal (ALR System)

To remove the child seat, release the belt as normal and allow it to retract through the seat frame. The ALR system will disengage when the belt is fully retracted. The belt may then be worn when required as a normal inertia reel belt. Once the ALR is disengaged, the belt must be fully extended to re-engage the system on the next occasion that a child seat is fitted.

WARNINGS - Seat Belts - General

Wearing your seat belt is crucial to your safety. Not wearing a seat belt increases the chance of serious injury or death in the event of an accident. Be sure that you and your passengers always fasten their seat belts and use them properly even though airbags are provided. Seat belt usage is mandatory in most countries and should be used in accordance with local laws.

By reclining the seat back, you decrease the protection you get from the seat belt in the event of a crash. Adjust the seat back to an upright position (approximately 90° to the seat base).

Make sure that the seat back is locked in place. Otherwise it could move forward in a sudden stop or crash and cause injury.

A - Before Driving

Seat Belts are designed to bear upon the bone structure of the body and should be worn low across the front of the pelvis and across the chest and shoulders. Wearing the lap portion of the belt across the abdominal area must be avoided. Never place the shoulder portion of the belt under your arm or behind your back.

Always remove from your pockets rigid or breakable objects, such as spectacles, which could be trapped under seat belts, possibly causing injury in the event of an accident.

Expectant mothers should seek medical advice on the most appropriate way to wear the seat belt.

In the interests of safety, seat belts must be kept clean so that the retractor works correctly. Ensure that the belt webbing is not twisted, looped, frayed or obstructed in any way. If in doubt about the condition or operation of the seat belt installation, have it checked by your Aston Martin Dealer.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating, or prevent the seat belt assembly from being adjusted to remove slack. Never install accessories on your seat belts.

A - Before Driving

USE OF CHILD SEATS IN THE EUROPEAN COMMUNITY

WARNING

Child Restraints

Aston Martin has not tested any child restraint systems for this vehicle, and does not recommend any specific child restraint system.

The following table is supplied under EC Directive 77/541.

Mass Group as indicated on the child safety seat packaging	Seating Position	
	Front Passenger	Second Row * Outboard
0 = Up to 10kg (0-9 months)	X	X
0+ = Up to 13kg (0-18 months)	X	X
1 = 9 to 18kg (9 months to 4 years)	X	X
11 & 111 = 15 to 36kg (4 to 12 years)	X	X
U = Suitable for "universal" category restraints approved for this mass group. X = Seat position not suitable for children in the mass group. * = Unsuitable for use with many child restraints due to limited space. Please consult with local manufacturers of smaller forward facing restraint and booster cushions. These manufacturers can supply you with advice on the safety of their particular child restraints, the position that they recommend, and also advice on fitting instructions.		

Do not seat a child aged 12 or younger, or weighing 36 kg or less in the car without an appropriate child seat or booster cushion. Please confirm that any child seat or booster cushion you may fit in the vehicle has been designed for use in this model, and that it conforms to local market requirements.

SPECIAL WARNINGS ON USE OF SAFETY RESTRAINTS FOR CHILDREN:

A child, regardless of age, should always be restrained when travelling in a vehicle. The following precautions are strongly recommended.

Do not allow children to travel in the vehicle without restraint. Approved child seats or harnesses should always be used.

Each seat belt assembly must be used by only one occupant. It is dangerous to put a seat belt around a child being carried on the occupants lap.

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle

CHILDREN AND THE USE OF CHILD SAFETY SEATS

An infant or child that is not properly restrained can be seriously injured or killed in a crash. Seat belts are designed for adults and larger children; infants and smaller children must be restrained in an approved child safety seat.

All child restraint systems are designed to be secured by lap belts, or the lap belt portion of a lap-shoulder belt. Children could be endangered in a crash if their child restraints are not properly secured in the vehicle. If you choose to use a child safety seat, follow the manufacturers instructions. Never hold a baby or child on your lap while riding in the car.

For use in USA, the child safety seat must be in conformity with Federal Motor Vehicle Safety Standard 213. Look for the statement on the box and seat.

Check the seat manufacturers instructions for proper use and installation - use the correct size seat and properly secure the seat in the car in accordance with the manufacturers instructions. Be sure to read and follow the 'Installation and Use Instructions' provided with the child seat.

Remember that children who have outgrown child restraints should wear the vehicle's seat belt.

A - Before Driving

CHILD SEATS AND PASSENGER AIRBAGS

DO NOT install a rearward facing child seat in the front passenger seat position. If a front seat position must be employed, use only a forward facing child seat with the passenger seat set as far rearwards as practical.

Airbags

In order to provide optimum occupant protection the DB AR1 is equipped with a driver airbag mounted in the centre of the steering wheel and front passenger airbag located in the fascia panel immediately in front of the passenger seat. The airbags are supplementary to the seat belts.



Note: There are important airbag safety labels on the sun visors (illustrated below).



A - Before Driving

Some models may have additional safety labels elsewhere, easily visible to the vehicle occupants. Ensure that you have read and complied with the instructions on these labels prior to driving the vehicle.

Do not change or modify or tamper with the steering wheel, passenger side fascia or any other part of the airbag system. Such actions could disable the system or cause inadvertent inflation.

The airbags are designed to deploy only in a serious frontal collision. Their purpose is to provide additional protection for the front seat occupants if thrown forwards in an accident. The system is designed so that it will not deploy in the event of trivial frontal impacts such as minor contacts when parking. The airbag system is not designed to protect against side or rear impacts.

WARNINGS:

No objects whatsoever should be attached to the centre cover of the steering wheel or the passenger fascia panel. Such objects could cause harm if the vehicle is in a crash severe enough to cause the airbags to deploy.

All occupants, including the driver, should always wear seat belts, whether or not an airbag is provided, to decrease the risk of injury or death in the event of a crash

CHILD SEATS AND PASSENGER AIRBAGS

DO NOT install a rearward facing child seat in the front passenger seat position. If a front seat position must be employed, use only a forward facing child seat with the passenger seat set as far rearwards as practical.

Any work on the airbag system must only be done by an Aston Martin Dealer.

A - Before Driving

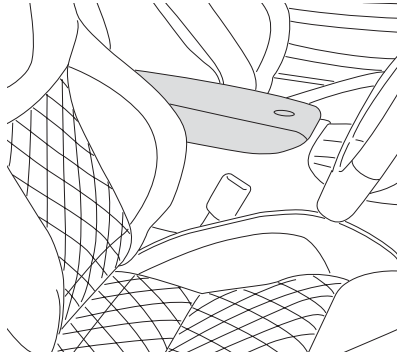
Interior Storage

Door Storage

Open storage pockets are provided below the arm rests in both doors.

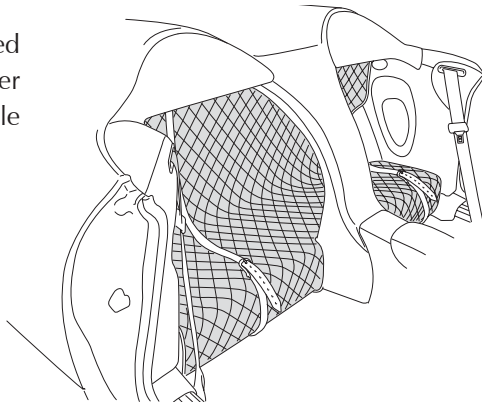
Front Armrest Storage

The front armrest lid is lockable. The boot release switch and the accessory socket are fitted in the front armrest storage box.



Rear Storage

A rear storage area is provided behind the driver and passenger seats. Tie down straps enable items to be secured.



A - Before Driving

Contents

Introduction	1-B-2
Information/Warning Lights	1-B-4
Instrument Panel Illumination	1-B-9
Instruments	1-B-10
Steering Column Controls - Left Hand Stalk	1-B-12
Steering Column Controls - Right Hand Stalk	1-B-14
Steering Wheel	1-B-15
Console Mounted Controls	1-B-16
Bonnet (Hood) and Boot (Trunk)	1-B-23
Accessory Socket	1-B-26
Interior Lights	1-B-27

B - Controls

Introduction

Your DB AR1 has been designed to provide easy access to all primary controls. The illustrations below show the main controls on the centre console and instrument panel. The operation and function of each control is described on the following pages.



Take a moment to familiarise yourself with those controls which you will require most frequently and with the additional functions which may be required in an emergency.



B - Controls

Information/Warning Lights

The Instrument Panel contains a number of information and warning lights mounted above the instruments.

The information/warning light colours are significant and have the following uses:

RED is used to warn drivers of concerns which may endanger them (e.g. Seat Belt Warning, Brake System Warning, etc.) or to indicate potentially serious problems with the car (e.g. Low Oil Pressure, Low Engine Coolant, etc.)



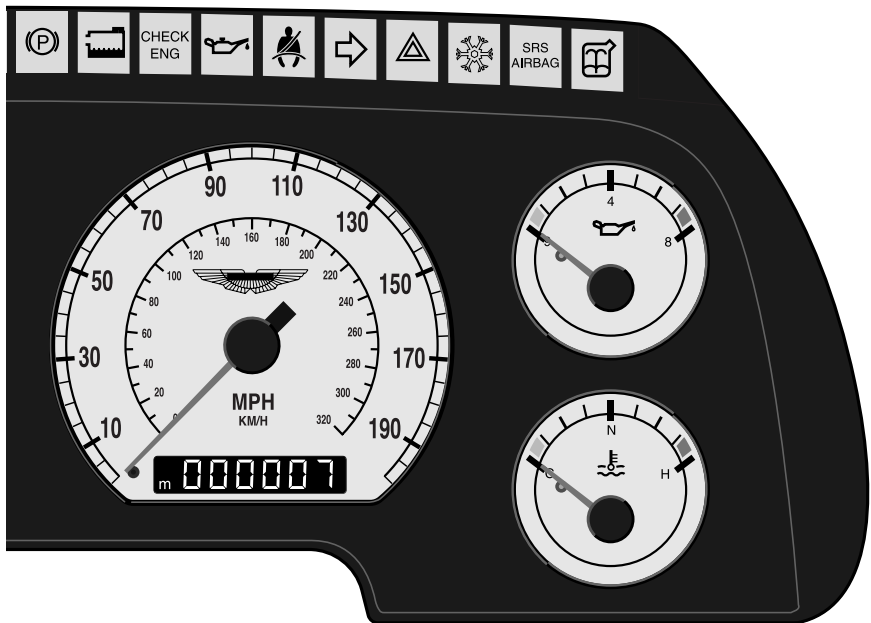
B - Controls

AMBER is used for non-emergency indications such as Low Fuel, Low Screen Wash Fluid.

GREEN signals the use of normal functions such as Direction Indicators and Sport Mode engagement.

BLUE is used to indicate that the Headlight Main Beams are on.

The following descriptions cover all instrument panel warning lights grouped in the order warnings (reds), cautions (ambers), and normal status lights (greens and blue).



B - Controls

Information/Warning Lights



Ignition Warning Light (Red)

Illuminates when the ignition is switched on. Extinguishes when the engine is started and battery charging commences.



BRAKE

Brake Warning (Red)

Illuminates when the brake fluid level is low. May illuminate with the ABS Warning Light.

Note: When the ignition is turned on, the Brake warning light will illuminate briefly and extinguish if the brake fluid level is within specification.



PARK

Parking Brake Warning (Red)

Illuminates when the parking brake is applied with the ignition On.



Low Coolant Level (Red)

Illuminates if the level of the engine coolant in the header is tank is low.



Oil Pressure Warning Light (Red)

Illuminates when the engine oil pressure falls below minimum. Do not continue driving if this light remains illuminated. Consult your Dealer immediately.



Seat Belt Warning (Red)

This warning lamp will illuminate and a chime will sound if the driver's seat belt is not fastened when the ignition is switched on.



Hazard Warning (Red)

Flashes in time with the external indicator lamps when the hazard warning lamps are switched on.



DOOR
OPEN

Door or Boot Open (Red)

Indicates that any door and/or the boot is open.



Gearshift Warning (Touchtronic transmission only) (Amber)

Indicates that a concern is detected in the gearshift electronic control system. Consult your Dealer if this light illuminates.

ANTI-
LOCK

ABS Warning Lamp (Amber)

Indicates a concern in the ABS control circuits. Consult your Dealer immediately if this light remains illuminated.



Low Fuel Warning Lamp (Amber)

Illuminates when the fuel level drops to approximately 20 litres (4.4 imp gallons / 5.0 US gallons).

CHECK
ENG

Check Engine (Amber)

Indicates that an anomaly is detected in the engine management system. The vehicle may go into 'Limp Home' mode with the possibility of reduced engine performance.

If the lamp is on constantly, complete your journey and consult your dealer at the earliest opportunity.

If the lamp flashes, a misfire is occurring which could damage the catalytic convertor. Stop as soon as possible in a safe location and have your car recovered to an Aston Martin dealership.



Low Screen Wash (Amber)

Illuminates to warn you when the level of fluid in the screen wash reservoir is low.

B - Controls

SRS
AIRBAG

SRS (Supplementary Restraint System) (Amber)

Flashes if a fault is detected in the airbag system.

When you start the car, this lamp comes on for a few seconds as a readiness indicator. If it does not come on when you start the car, or if it does not go off after a few seconds, or if it comes on whilst driving, the airbag system has detected a fault. Consult your Dealer immediately if this light illuminates.



Frost Warning Lamp (Amber)

This lamp will illuminate if the external temperature falls to +4°C. At or below this temperature there is an increased risk of frost on the road surface.



Traction Control Warning (Green)

Traction control is normally on. This lamp illuminates if the system is switched off. The lamp flashes when traction control is active. See the traction control description in this section.

SPORT

Sport (Auto transmission only) (Green)

Indicates that Sport Mode is selected, increasing the engine speeds at which the automatic transmission changes gear.



Left Turn Direction Indicator (Green)

Flashes with the indicator lights during operation of the left turn signal or hazard warning lights.



Right Turn Direction Indicator (Green)

Flashes with the indicator lights during operation of the right turn signal or the hazard warning lights.



Headlights (Blue)

Shows when the main beam of the headlights are in use.

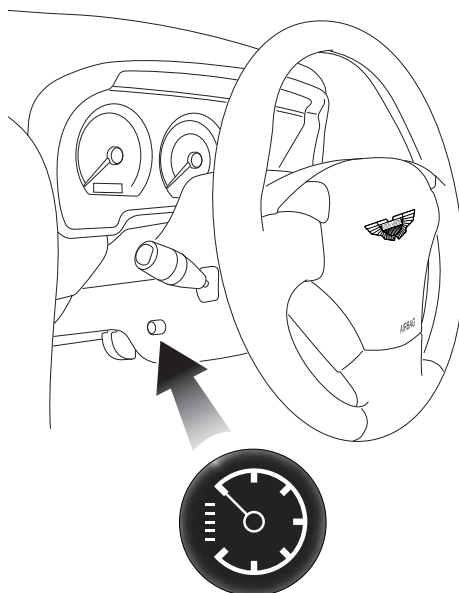
Instrument Pack Chime

A warning chime will sound briefly to attract your attention if any of the following warning lamps illuminate - ABS, Low brake fluid, Low coolant level, Low fuel level, Low oil pressure, Boot open or a Frost warning.

The warning will be repeated each time the ignition is switched on until the cause is cleared.

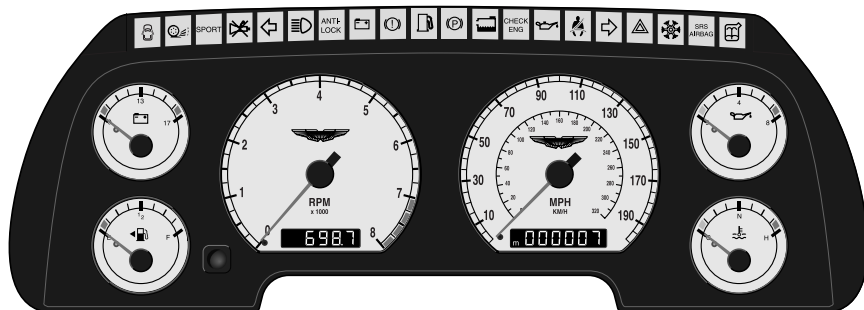
Instrument Panel Illumination

The level of instrument illumination can be adjusted using the rotary control on the left hand side of the steering column.



B - Controls

Instruments



Voltmeter (top left)

Shows the battery voltage when the ignition is turned on and shows the voltage delivered from the alternator when the engine is running.

Fuel Gauge (bottom left)

The DB AR1 fuel capacity is 82 litres (18 Imp gallons / 21.5 US gallons). The low fuel warning lamp will illuminate when approximately 20 litres (4.4 imp gallons / 5.0 US gallons) of fuel remain.

Note: Approximately 7 litres of the total fuel capacity specified above is required to prime the fuel system and is therefore not usable.

Tachometer (centre left)

Indicates the engine speed in revolutions per minute x 1000.

Trip Meter/External Temperature Digital Display

The tachometer also contains the trip meter/external temperature display.

Trip Meter - The trip meter may be used to record the distance travelled on individual journeys. Whilst the trip reading is displayed, it may be set to zero by holding the trip button pressed for more than about two seconds.

External Temperature Display - Press the trip button briefly to display the external temperature. Whilst the external temperature is displayed, press and hold the button to change between °C and °F readouts. Briefly press the button again to return to the trip display.

Gearshift Indicator (centre top)



Indicates the current gearshift mode on DB AR1 fitted with 'Touchtronic' transmission. 'A' indicates Automatic mode. A number 1-5 indicates the current gear selected when in Touchtronic mode.

Speedometer (centre right)

Indicates the vehicle speed in miles per hour and/or kilometres per hour. Also houses the odometer recording the total distance travelled by the vehicle.

Oil Pressure Gauge (top right)

The oil pressure gauge is graduated in bar (1 bar 14.7 psi). Normal oil pressure at medium engine revs should be in the range 3-6 bar.

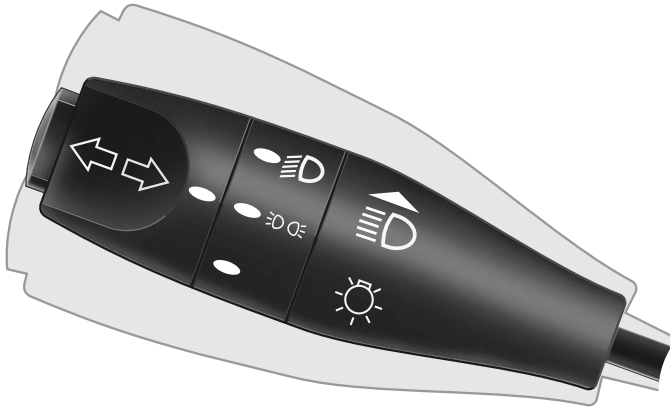
Engine Coolant Temperature Gauge (bottom right)

In temperate climates, normal coolant temperature is indicated with the needle to the left of the 'N' position, but coolant temperature will vary (within the range 92 - 105°C) dependent on ambient temperature and driving conditions.

B - Controls

Steering Column Controls - Left Hand Stalk

The left column stalk controls the following functions:



Turn Signals

Move the stalk up to indicate a right turn, or down to indicate a left turn. The stalk automatically returns to the centre position on completion of the manoeuvre. The stalk may be moved partially up or down to bring on the indicator lights to indicate a lane change. When released from the partially up or down positions, the stalk is returned to the centre position by spring pressure.

If an external indicator bulb fails, the remaining indicator lights on that side of the car and the instrument panel warning light for that side will flash at twice the normal rate when a turn to that side is indicated. If this situation occurs, replace the defective bulb as soon as possible.

Side and Headlight Switching

The left stalk collar has three positions that control the external running lights of the vehicle: in the off position all external lights are off.

Rotating the collar to the first click (the side lamp symbol) switches on the side lights, side marker lights, rear lights and registration plate lights (licence plate lights).

Rotating to the second click position (the headlamp symbol) switches on the headlight dipped beams in addition to the side, side marker, rear and registration plate (licence plate) lights.

Main and Dipped Beam Switching

When the headlight dipped beams are switched on, they may be switched to main beams by pushing the left stalk away from the steering wheel. Pulling the left stalk back to its central position will switch the headlights back to dipped beams.

Headlight Flashing

When all lights are off or when only the side lights are on, the headlight main beams may be flashed by pulling the left stalk towards the steering wheel. The headlights will go off when the stalk is released.

B - Controls

Steering Column Controls - Right Hand Stalk

The right column stalk controls the following functions:



Windscreen Wiper Control

Upwards movement of the stalk from its lowest Off position switches the wipers through the range Intermittent Wipe - Normal Speed Wipe - Fast Wipe.

Windscreen Wiper Delay Control

When in the intermittent wipe position, the wiper delay interval may be adjusted using the collar on the right stalk. The wiper delay increases by two seconds for each of the five collar positions, Maximum rotation of the collar away from the driver gives the shortest delay between wipes.

Windscreen Washer Control

The windscreen washers are switched on by pressing the button on the end of the right column stalk. The washers and wipers operate whilst the button is pressed. On releasing the button, the washers stop immediately but the wipers continue for a few strokes to clear any residual washer fluid from the screen.

If the washer button is used during normal wiper operation, the washers operate whilst the button is pressed and the wipers operate continually irrespective of the washer operation.

Steering Wheel

Horn Push



The horn is sounded by pressing either of the horn buttons above the steering wheel pad.



An alternative three spoke sports wheel is fitted to cars with the Touchtronic transmission option.

Two buttons marked '+' and '-' are fitted to the steering wheel horizontal spokes. These buttons are used for gearchanging when in Touchtronic mode.

B - Controls

Console Mounted Controls



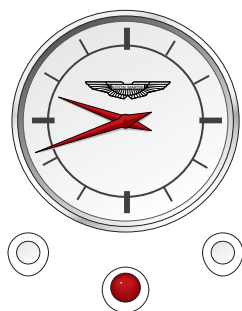
The centre console contains the following controls:

- Clock and PATS Status Light
- Heating, Ventilation and Air-Conditioning Controls
- Fog Lamp, Screen Heater and Seat Heater Switches
- Radio Cassette Player (Control for the CD autochanger)
- Hazard Light Switch
- Starter Button
- Traction Control Switch
- Window Lift Switches
- Boot Release Switch
- Cigar Lighter and Ashtray

The Heating, Ventilation and Air-Conditioning Systems are fully described in the Air-Conditioning section of this Owner's Guide.

Clock

The clock in the centre of the air conditioning control panel is set using the buttons on the clock panel.



The left button is used to retard the time and the right button to advance the time.

The small light between the time set buttons is the PATS Status Light which is described in the Security section of this Owner's Guide.

B - Controls

Fog Lights, Screen Heater and Seat Heater Switches

The row of controls beneath the air-conditioning panel contains a variety of switches dependant on model and market. Your DB AR1 will have an appropriate selection of the switches described below.



Front Fog Lights

The front fog lights can be switched on when the headlights or sidelights are in use. They must be switched off when visibility clears to reduce glare to the drivers of oncoming vehicles.



Rear Fog Lights (Where fitted)

These lights may only be used in conjunction with the headlamps or sidelamps. They should be switched on when fog is causing restricted visibility. They must be switched off when visibility clears to reduce glare to the drivers of following vehicles.



Heated Front Screen

This switch controls the front windscreen heater which turns off automatically after about 4 minutes if not turned off manually.



Seat Heater Switches

Press to switch on the heater. Press the button a second time to switch off the heater. The heater is thermostatically controlled and maintains a constant seat temperature until either the heater is switched off or the ignition is switched off.



Boot Release Switch

Press to open the boot at any time when the alarm system is switched off and the ignition is switched on.

Radio/Cassette/CD Player

The radio/cassette player is located beneath the console switch panel. The CD changer is fitted in the boot (trunk). Manufacturers operating instructions for the in-car entertainment system are included with this Owner's Guide.



Hazard Warning Lights

The hazard warning light switch is located beside the radio cassette player. When pressed, the external indicator lights and side repeater lights will flash in unison.

Press the switch again to turn off the hazard lights.

Caution: Observe local laws on the use of hazard lights

B - Controls



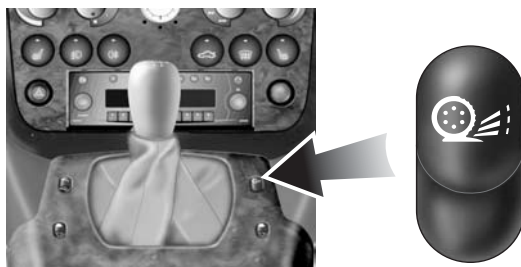
Starter Button

This button is located on the drivers side of the radio cassette player. It is used to start the engine after turning on the ignition. See the detailed instructions in the 'Driving' section.

The button will illuminate when the ignition is switched on. The button lamp will extinguish when the engine starts.

Traction Control Switch

The traction control system is always switched on when the ignition is switched on. The system may be switched off using this switch on the centre console.



The traction control warning lamp in the instrument pack will illuminate to warn you when the system is switched off.

Electric Window Switches



On either side of the gear selector lever are two identical rocker switches to control the movement of the electric windows.

With the ignition on and the doors closed, press and hold the down (hollow) arrow to lower the window.

Press and hold the up (solid) arrow to raise the window.

Note: The electric window will only operate if the door is closed.

Electric Window 'One Touch Down' Feature

Briefly press and release the down (hollow) arrow to lower the window fully. Pressing the button again will stop downward window movement.

WARNINGS: Clear all obstructions before raising the window. When leaving the vehicle, remove the ignition keys. Misuse of window switches, especially by children, can cause injury.

Note: If battery power to the electric windows has been interrupted for any reason, they will fail to operate correctly until reset using the procedure described in 'Owner Maintenance'.

B - Controls

Cigar Lighter and Ashtray

The cigar lighter is located to the left of the ashtray and may be used when the ignition switch is in positions I or II. It is heated by pushing down until it clicks. The lighter will pop up when ready for use.



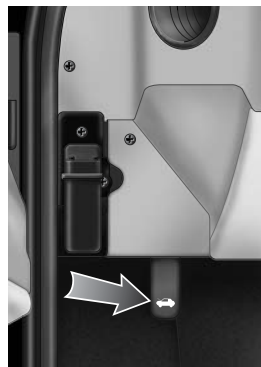
WARNING: The cigar lighter is heated to "Red Heat" when in use. Take care to avoid burns and do not allow children to play with the lighter.

The ashtray may be removed for cleaning by sliding back the lid and pulling the tray upwards. After cleaning it should be replaced and pushed down until the locating springs click into position.

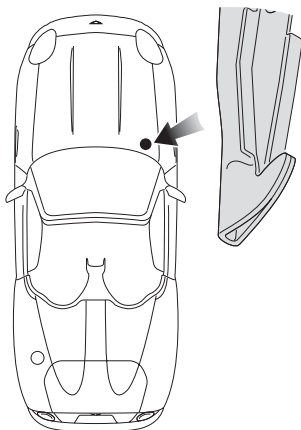
Bonnet (Hood) and Boot (Trunk)

Bonnet (Hood) Release

The bonnet release lever is situated on the outside of the left hand front footwell. Pull the lever to release the bonnet latches. The bonnet will be released and will rise until captured by the bonnet safety catch.



Bonnet (Hood) Safety Catch



The bonnet safety catch is located under the bonnet rear edge on the drivers side of the car (left side on left hand drive, right side on right hand drive).

Push down slightly on the bonnet rear edge whilst pushing forward on the bonnet safety catch to release it. Lift the bonnet until fully open. The bonnet is held open by two gas struts.

B - Controls

Closing the Bonnet (Hood)

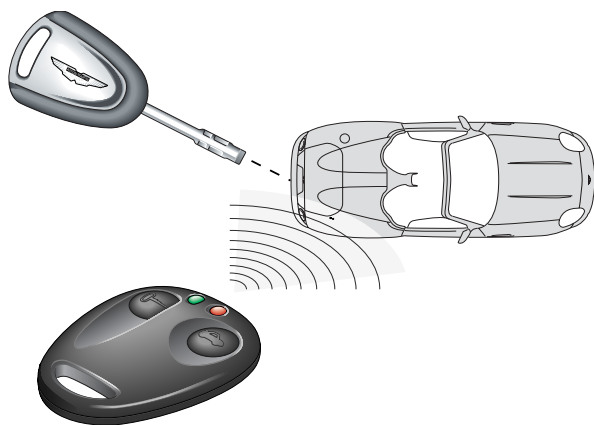
To close the bonnet, hold near the centre of the rear edge and lower until approximately 18 inches (450 mm) from the latch mechanisms and then release it. After closing the bonnet, ensure that both left and right hand latches have fully engaged by pulling up at either side of the bonnet rear edge.

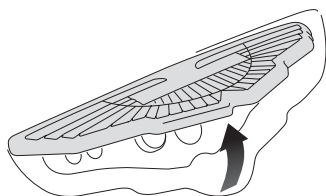
WARNING: *Before closing the bonnet, ensure that no one is obstructing the closing area and that hands and clothing are clear. Remove tools, cleaning cloths, etc. from the engine compartment.*

Boot (Trunk) Release

There are four methods for opening the boot.

1. The boot lid may be released at any time using the right hand button on the key fob.

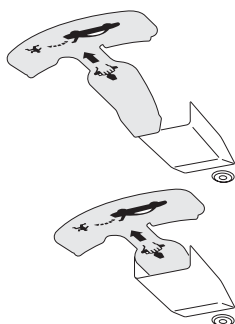




2. The boot may be opened from outside the car using the ignition key when the alarm system is switched off. Lift up the Aston Martin badge to access the boot lock.



3. The boot may be opened by pressing the boot release switch located on the center console at any time when the alarm system is switched off and the ignition is switched on.



4. The boot may be opened from inside by pulling the luminous emergency release handle. The handle will latch on the edge of its housing.

To retract the handle, pull, lift and release so that it may withdraw into the housing.

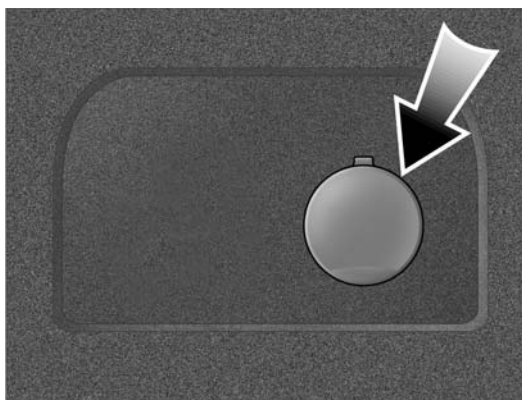
Boot (Trunk) Closing

Close the boot gently and press down the lid until the lock engages. Slamming of the boot lid may damage the lock mechanism or the boot seals.

B - Controls

Accessory Socket

The accessory socket is mounted in the centre armrest beside the boot open switch and may be used to power any 12 volt vehicle accessory requiring a current of less than 15 amps.



The accessory socket is only live when the ignition key is inserted and the switch is turned to position I or II.

WARNING: Damage to the electrical circuits will result if more than 15 amps is drawn from the accessory socket.

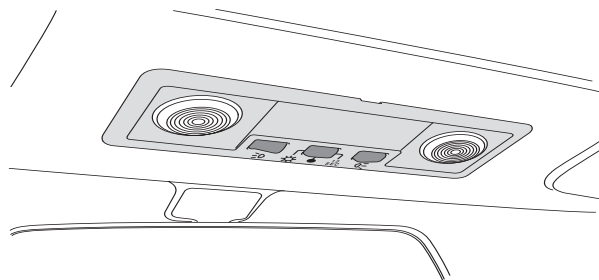
Only connect accessories which are designed for use in a motor vehicle.

Read the manufacturer's instructions and ensure that you do not connect any device which would exceed the current rating of the accessory socket.

Interior Lights

The interior light assembly is mounted in the front windscreen header rail and contains two 'eyeball' lamps and the front interior lamp. The 'eyeball' lamps are controlled by the outer switches on the lamp assembly and may be rotated to illuminate the driver or passenger seat areas.

The centre switch on the lamp assembly controls the operation of the front and rear interior lights as follows:



Front and rear interior lights on



Front and rear interior lights off

12 sec

Front and rear interior lights come on when a door is opened and remain on for approximately 12 seconds after a door is closed with the ignition off.

Contents

Checks Before Driving 1-C-2

The Ignition Lock 1-C-5

Starting the Engine - Hot or Cold 1-C-7

Stopping the Engine - Removing the Ignition Key 1-C-8

Fuel Cut-Off Switch 1-C-8

Gear Changing 1-C-10

Additional Automatic Gearbox Functions 1-C-16

Traction Control System 1-C-17

The Braking Systems 1-C-19

C - Driving

Checks Before Driving

Inspect the car to make sure that everything is according to the information and specifications in this Owner's Guide.

Check the wheels, wheel nuts and tyres.

Check that all windows, mirrors and lights are clear and unobstructed.

Check that the boot and bonnet are closed.

Once you are in the car, check that the doors are closed.

Check that the seat, mirrors and steering wheel adjustments are correct.

Check that all gauges and indicators are reading correctly.

Check that the seat backs are in an upright position.

Check that all occupants have fastened their seat belts.

Fuel

DB AR1 uses 95/98 RON Unleaded Fuel only (USA - Premium Unleaded). For optimum performance and extended high speed driving, the use of 98 RON fuel is recommended.

Caution: Do not use unleaded petrol containing metal based additives, such as those based on Manganese (often sold as MMT) and Iron (often sold as Ferrocene). The use of fuel containing such additives could lead to catalyst failure which is not covered by the vehicle warranties.

The DB AR1 total fuel capacity is 82 litres (18 Imp gallons / 21.5 US gallons).

Note: Approximately 7 litres of the total fuel capacity specified above is required to prime the fuel system and is therefore not usable.

Fuel Filler Cap



The fuel filler cap is located on the left side of the car, to the left of the boot (trunk) lid. The filler flap is unlocked automatically upon turning off the alarm or upon operating the central locking system by unlocking either door lock with the ignition key.

Lift the filler flap. Release the filler cap by rotating a quarter turn anticlockwise, then lift off the cap.

WARNINGS: Fuel vapour is highly flammable, toxic and explosive. Always switch off the ignition before refuelling. Do not overfill the fuel tank. Do not inhale fuel fumes.

Never carry additional fuel in portable containers. They may leak, explode or cause a fire, whether full or partially empty.

If you handle fuel improperly, it can ignite or explode and cause injury. Do not smoke or light a flame while refuelling. Do not use mobile phones at filling stations.

Do not use the car if there is fuel leakage or a persistent smell of fuel.

C - Driving

Fuel Filling

The unleaded fuel tank filler neck has a restricted opening which will only accommodate the fuel supply nozzle of unleaded fuel pumps.

To avoid fuel spillage, stop filling at the first automatic cutoff of the fuel supply nozzle.

Catalytic Converters

The DB AR1 exhaust system contains 3-way catalytic convertors which convert harmful exhaust gasses into less noxious substances and so reduce environmental pollution. Catalytic converters operate at high temperatures and continue to radiate a considerable amount of heat after turning off the engine.

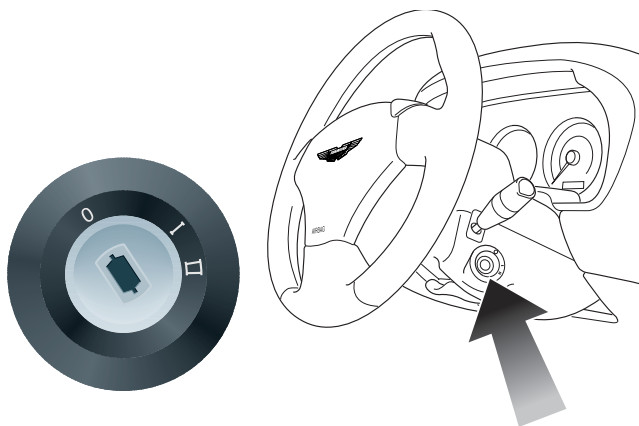
WARNINGS: Leaded fuel will cause irreparable damage to the catalytic converters. If you do inadvertently put leaded fuel into a DB AR1, DO NOT START THE ENGINE. DO NOT DRIVE THE CAR. Contact your Aston Martin Dealer immediately.

Do not park over dry grass, leaves or other combustible material. A significant fire risk exists because of residual heat in the catalytic converters.

Do not drive through deep water. The rapid cooling of the catalyst may cause it to break up. Replacement catalytic converters are expensive.

The Ignition Lock

The Ignition Lock, located on the right side of the steering column, performs the following functions:



- Steering Lock
- Ignition Switch

The switch has three positions:

- | | |
|--------------------|---|
| Position O | All systems off, steering lock engaged. |
| Position I | Auxiliaries on (e.g. radio), steering lock released. Use this position if the vehicle is being towed. |
| Position II | Ignition and all other electrical systems on. This is the normal running position. |

C - Driving

Warning Light Indications at Ignition On

As the ignition is switched on, the DB AR1 electronic control units each complete a self check to ensure correct operation. During these checks, the warning lights on the instrument panel will illuminate as follows:

- Bulb Check - All warning lamps illuminate for about three seconds as a bulb check. (The Sport and Transmission Fail lamps are not illuminated on manual transmission vehicles).
- The Ignition and Oil Pressure warning lights illuminate until the engine starts.
- The Check Engine light will illuminate during the engine management self-check and will extinguish when the starter button is pressed.
- The Seat Belt warning light illuminates and a gong sounds for six seconds if the driver's seat belt is not fastened. On fastening the seat belt, the gong immediately ceases. The warning lamp extinguishes at the end of the six second warning period.
- The ABS and Traction Control warning lights illuminate and extinguish if the system self checks are satisfactory.
- The Brake warning light will illuminate and extinguish if the brake fluid level is within specification.
- The SRS Airbag warning light will illuminate and extinguish if the SRS Airbag control system check is satisfactory.

Only the handbrake (parking brake) warning light should stay on after the engine has started and is running correctly. The handbrake warning light will extinguish as the handbrake is fully released.

Note: Other Information lights may remain on (e.g. Main Beam Warning or Low Screen Wash) dependant on the vehicle state and switch settings at the time.

If either the ABS or Brake Fluid Warning lights remain illuminated, refer to the description of Brake Warnings during Driving later in this section.

Starting the Engine - Hot or Cold

WARNINGS:

Before driving the vehicle, ensure that you are wearing appropriate footwear to efficiently operate the floor mounted pedals.

Ensure that floor mounted pedal movement is not restricted by floor mats or other objects trapped beneath the pedals.

Manual Transmission - The engine can only be started with the clutch pedal fully depressed.

Touchtronic Transmission - The engine can only be started when the gear selector lever is in Park or Neutral.

Place the gear selector lever in Neutral (Park on Touchtronic vehicles) and check that the handbrake is applied. Fully depress the clutch pedal on manual transmission vehicles.



Insert the ignition key and rotate it to position II. Press the starter button, wait until the engine fires, then release the starter button.

Note: Do not press the accelerator during engine starting. The Electronic Engine Management System automatically compensates for cold or hot start conditions and makes appropriate adjustments to the fuel/air mixture and engine idle speed without driver intervention.

C - Driving

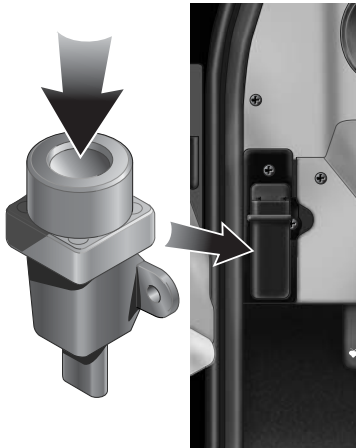
Stopping the Engine - Removing the Ignition Key

To stop the engine, turn the ignition key anti-clockwise to position 0.

The ignition key is interlocked with the gear selector lever on automatic transmission vehicles so that the key may only be removed from the ignition lock when the gear selector lever is in the Park position.

Note: If the Ignition Key is left in positions I or II and a door is opened, a warning chime will sound to advise removal of the key.

Fuel Cut-Off Switch



Your DB AR1 is fitted with an emergency fuel cut-off inertia switch mounted on the passenger side door pillar. This switch operates to cut-off fuel supply to the engine in the event of an accident, thereby reducing fire risk.

If the engine cuts out and then does not restart in such a situation, open the passenger door and press the top of the cut-off switch until it latches down. With the ignition on, the fuel pumps will then run and fuel will again be supplied to the engine. Restart the engine as normal.

WARNING: *To avoid the possibility of fire, do not reset the fuel cut-off switch if you smell fuel.*

Running-In

Your DB AR1 engine is fully hot tested during manufacture and no special running-in procedures are necessary. Nevertheless it is prudent to limit engine loads (e.g. by using lower gears on steep hills) during the first 4,000 km (2500 miles).

Maximum Engine Speed - Fuel Cut-Off

The maximum safe engine speed is 7,000 RPM on manual transmission vehicles (6,400 RPM on auto and touchtronic transmission cars). If this speed is exceeded, fuel supply to the engine is gradually reduced. As the engine speed reduces back to a safe level, fuel supply is progressively restored.

Driving in Wet Conditions

When driving in wet conditions, water can build up under your tyres so that they ride on a layer of water. This is called aquaplaning or hydroplaning. When this happens, you have little or no control. Aquaplaning is more prone to happening at higher road speeds if there is a lot of water on the road and particularly if the tyres are also under inflated or approaching minimum tread depth. Slow down when it is raining.

It is important to take bends or curves at a safe, reasonable speed, particularly when driving on wet or slippery road surfaces.

Rapid acceleration or deceleration can cause loss of control, especially on slippery surfaces. Use extra care when driving on such surfaces.

C - Driving

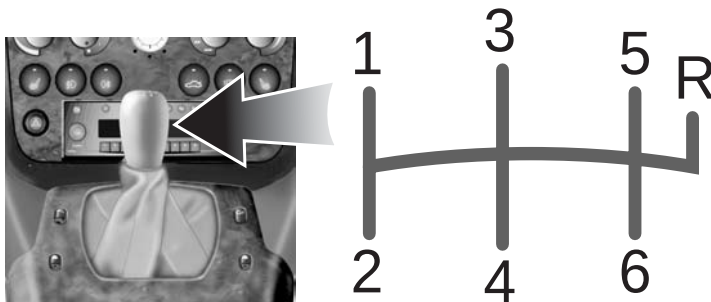
Gear Changing

When operating either the DB AR1 manual or Touchtronic transmission systems, the following warnings are of particular importance:

WARNING: *Do not skip one or more gears when downshifting, you could lose control of the vehicle and injury could result.*

WARNING: *Shifting without correct operation of the clutch and throttle can result in severe damage to the transmission and engine.*

Gear Changing - Manual Transmission



The gear lever for the six speed manual transmission is spring biased to the centre of the gate. Push to the left before selecting first or second gears and to the right before selecting fifth or sixth gear.

Press fully to the right and forwards to overcome additional spring pressure when selecting reverse gear. The reverse gear position has a solenoid lock to prevent accidental engagement when driving forward.

Gear Changing - Touchtronic Transmission Control

The 'Touchtronic' transmission system can operate in Automatic, Sport and Touchtronic modes. It is controlled using the special selector lever shown below.



Gearshift Mode Indicator

The current gearshift mode is indicated on the instrument panel digital display.



Automatic mode is indicated by the 'A' symbol.



In Sport mode, the 'A' symbol is shown on the indicator and the Sport warning lamp on the instrument panel is illuminated.

In Touchtronic mode, the current gear is shown by 1, 2, 3, 4, or 5 in the display.



Steering Wheel Gear Shift Buttons

In Touchtronic mode, gearshifts may also be made using the '-' and '+' buttons on the steering wheel. These buttons are inactive when in Automatic mode.



C - Driving

Gearshift Modes

Automatic Mode



When the gear selector lever is operated in the right half of the selector gate ('A' showing in the instrument panel display), the transmission is in Automatic mode.

The gearbox functions as a standard automatic five speed transmission. The selector lever may be placed into the P, R, N or D positions. When D is selected, gearshifts will be made automatically at points dependant on vehicle speed, throttle position and engine load.

Sport Mode



The Sport mode can be selected by moving the gear selector lever to the left from the 'D' position. The Sport warning lamp on the instrument panel will illuminate on entering Sport mode.

Sport mode may be cancelled by moving the selector lever back to the right half of the selector gate to return to Auto mode. Sport mode is also cancelled by selecting a gear in Touchtronic mode.

Touchtronic Mode

From the Sport position, Touchtronic mode is selected by any forward or rearward movement of the selector lever or by pressing one of the steering wheel gearshift buttons.

Any forward movement of the selector lever will engage the next higher gear. Any rearward movement of the selector lever will engage the next lower gear. The lever will return to the centre position after each movement.

In Touchtronic mode, all gearshifts are under driver control. The number of the current gear appears in the digital selector display.

When at a standstill, Touchtronic mode is engaged by pushing the lever forward or by pressing the '+' button on the steering wheel. The gearbox controller will always initially select 2nd gear. If first gear is required, it may be selected by pulling the lever rearwards or by pressing the - button on the steering wheel.

When Touchtronic mode is engaged whilst driving, the transmission will remain in the current gear. Gearshift control will revert from automatic to manual control.

Touchtronic mode may be deselected whilst driving by moving the selector lever to the right. The transmission will revert to Automatic mode and may shift to a more appropriate gear.

Minimum Upshift Speeds

The transmission controller will only allow upshifts when vehicle speed is above the following minimum limits:

Upshifts enabled	2nd to 3rd gear	above 15 km/h (10 mph)
	3rd to 4th gear	above 35 km/h (22 mph)
	4th to 5th gear	above 52 km/h (32 mph)

During deceleration, if road speed falls below the minimum limit for each gear, the transmission will automatically downshift to eliminate the possibility of the engine stalling.

Gearshift Inhibit

In Touchtronic mode, any attempted gearshift which would cause the engine speed to rise over 6,500 rpm, or fall below 1,300 rpm will be prevented by the transmission controller.

Additional Automatic Gearbox Functions

Kickdown (Automatic and Sport Modes Only)

If maximum power is demanded from the engine by opening the throttle to more than about 95%, the kickdown function is automatically actuated. With kickdown in operation, the gearbox may shift to the next lower gear and further upshifts will occur at much higher engine speeds than when using modest throttle openings. This mode is useful to achieve maximum acceleration when, for example, overtaking another vehicle.

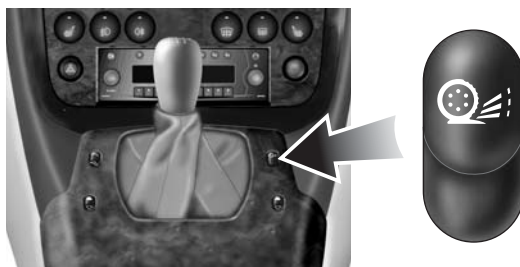
Torque Converter Lock-up

When driving in 3rd, 4th or 5th gears, a further change takes place within the transmission. The torque convertor, transmitting power from engine to transmission, will lock to improve the transmission efficiency. This is a completely automatic function of the transmission system and will occur at predetermined speeds.

Traction Control System

On/Off Switch

The traction control system is always operational when the ignition is switched on. The traction control system can be switched off at any time using the switch in the centre console.



Traction Control Warning Lamp



To ensure that the system is working correctly, a warning lamp is integrated into the instrument panel. When the ignition is switched on, the lamp should illuminate for approximately 2 seconds and will then extinguish if the system is in working order.

If the lamp remains on after 2 seconds, a system fault is present and should be investigated by your Aston Martin Dealer.

During normal operation, the light remains off until wheel slip is detected. The warning lamp will then flash whilst the system controls the wheel slip.

The warning lamp remains illuminated if traction control is switched off.

C - Driving

Traction Control Operation

WARNING: *In all cases it remains the drivers responsibility to drive safely according to the law and with due regard to prevailing conditions. The fact that a vehicle is equipped with Traction Control must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users. The addition of Traction Control cannot overcome the consequences of applying too much engine power for the prevailing conditions.*

The traction control system is designed to limit engine power when driven wheel slip is detected. This most commonly happens when accelerating on a slippery road or loose surface.

The system uses the vehicles ABS sensors to monitor the wheel speed of all four road wheels. As soon as a driven rear wheel starts to spin due to the application of too much power for the available grip, the system automatically reduces engine power by temporarily adjusting the fuel supply. The brake on the slipping wheel will also be applied as necessary until the wheel speed matches that of the other wheels.

During activation, the system warning light will flash. The driver may experience a loss in power or temporary 'misfire' as engine power is reduced. These symptoms are normal and will clear as wheel spin is eliminated and normal engine power is restored.

If traction control cuts in when driving on extended icy or slippery surfaces, reduce engine power as necessary until the traction control warning light is extinguished.

Caution: Do not maintain engine power at such a level that traction control is activated for long periods (more than about one minute). The reduced fuelling levels to the engine will cause the exhaust catalysts to overheat. Overheating of the exhaust catalysts can destroy them.

The Braking Systems

The Footbrake System

Your DB AR1 uses a vacuum boosted hydraulic braking system with anti-lock (ABS) function. This system ensures braking performance in keeping with the vehicle performance.

The Anti-Lock Braking System (ABS) is continually monitored for correct operation whilst the ignition is switched on. Should a fault occur, it will be signalled by the Anti-Lock Warning Light.

Brake System Safety Features

The brake system tandem master cylinder is designed so that in the worst case (barring major accident damage), only half the brake system could fail. Even in the event of a major brake pipe fracture, at least two wheels will have fully operative brakes.

C - Driving

Bedding-In of New/Replacement Brake Pads

To ensure that brake pads and discs are correctly 'bedded-in' on new cars, the factory road test the car and perform the following brake bedding-in procedure:

1. Three light brake applications from 80-50 kph (50-30 mph) using normal acceleration to 80 kph.
2. Three medium applications from 110-65 kph (70-40) mph using normal acceleration up to 110 kph.
3. Two hard applications from high speed to 50 kph (30 mph), again using normal acceleration.
4. Drive a further 8 km (5 miles) with minimal brake use.
5. Stop and allow the brakes to cool.
6. Drive a further 8 km (5 miles) back to the workshop with normal brake use.

Aston Martin dealers are required to perform this routine each time brake pads / discs are replaced.

Aston Martin require owners to perform this routine if pads or discs are replaced by a non-franchised workshop who will not know of the correct bedding in procedure.

Failure to bed-in the brake pads / discs will result in reduced brake performance and possible brake judder or squeal.

Anti-Lock Braking System (ABS)

The anti-lock braking system (ABS) fitted to the DB AR1 helps prevent the road wheels from locking and skidding during emergency braking, helping steering and directional stability to be maintained.

If, in an emergency braking situation, the braking force applied begins to exceed the tyre/road adhesion, the ABS system is activated to prevent the road wheels locking. When this happens a pulsating effect is felt through the brake pedal. This is a normal ABS effect.

WARNING: In all cases it remains the drivers responsibility to drive safely according to the law and with due regard to prevailing conditions. The fact that a vehicle is equipped with ABS must never allow the driver to be tempted into taking risks which could affect his/her safety or that of other road users. The addition of ABS cannot overcome the consequences of trying to stop in too short a distance, cornering at too high a speed, or the risk of aquaplaning - where the tyres are prevented from contacting the road surface by a layer of water.

The driver should always take road conditions into account. A slippery road surface always requires more braking distance for a given speed, even with ABS. Possible extensions of stopping distance compared to locked wheels may occur during ABS operation on slushy snow, gravel, sand or certain heavily corrugated or ridged warning sections of road surfaces.

C - Driving

Brake Warning Indications During Driving

Your DB AR1 electronic control units continue to monitor correct operation of the braking sub-systems while the vehicle is being driven. Two brake warning lights are of particular importance.

The Anti Lock Braking (ABS) Warning Light



ANTI-
LOCK

The ABS system is monitored for correct operation while the ignition is switched on. If a fault is detected, the Anti-Lock warning light will illuminate and the ABS system will be partly or fully disabled.

The normal braking system will continue to function without anti-lock but with full vacuum boosted braking to all road wheels being maintained. In the event of an ABS fault, consult your Aston Martin Dealer immediately.

WARNING: If the ABS warning light illuminates, you should be aware that wheels could lock during extreme braking or when braking on slippery surfaces. Take additional care to avoid the danger of wheels locking.

The Brake System Warning Light



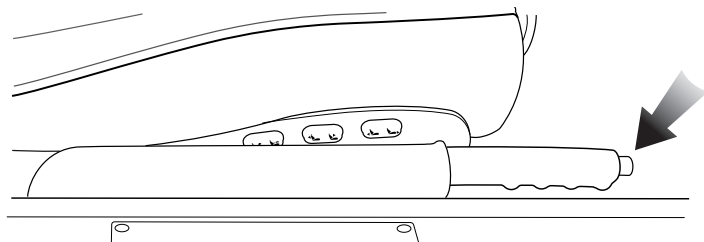
BRAKE

The braking system is continuously monitored for fluid level. If only the brake warning light illuminates, it indicates that the brake fluid has fallen below the acceptable level. It is essential that the braking system is checked immediately, preferably by an Aston Martin Dealer.

WARNING: If the brake warning light illuminates, you should immediately be prepared for possible increased stopping distances and possible partial failure of the braking system.

The Handbrake (Parking Brake)

The handbrake lever is situated on the outside of the drivers seat. The handbrake operates on brake drums within the rear wheel brake discs.



To engage the handbrake, pull up firmly on the lever without pressing the release button. The handbrake ratchet will latch and the handbrake warning light will illuminate. Note that this lamp is the only indication that the handbrake is applied. The lever can then be lowered to its fully down position.

To release the handbrake, pull up on the lever against spring pressure, press and hold the lock release button whilst lowering the lever to its maximum down position.

The handbrake warning light extinguishes when the handbrake is fully released.

Caution: Always check that the warning lamp is correctly extinguished before moving off. Do not attempt to drive the vehicle if the warning lamp remains on.

D - Heating, Ventilation & Air Conditioning

Contents

The Air Conditioning System 1-D-2

Air Conditioning Controls 1-D-5

D - Heating, Ventilation & Air Conditioning

The Air Conditioning System

Note: Air conditioning performance will be degraded due to the general nature of this vehicle.

The air conditioning system is used to maintain a selected temperature level within the passenger compartment. The system has heating, ventilation and air conditioning functions. The system offers other functions such as humidity control, rapid demisting and defrosting of the windscreen and recirculation of internal air to avoid drawing unpleasant fumes into the vehicle.

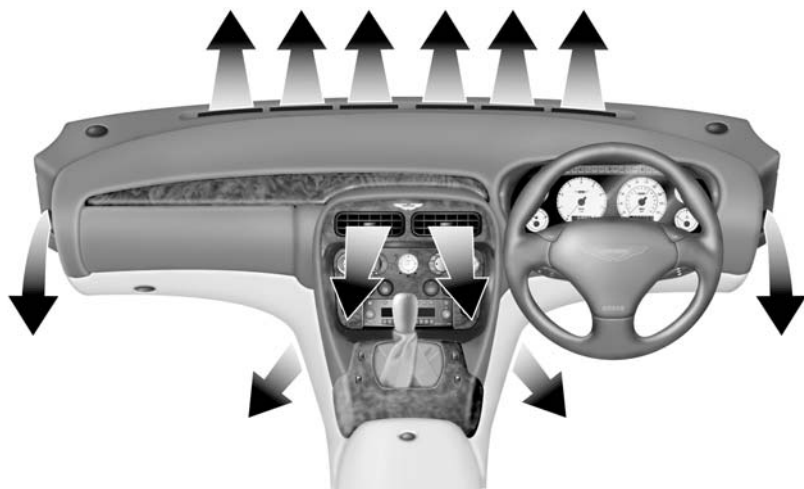
Heating/Cooling

Incoming air may be heated or cooled to a chosen temperature and then distributed within the passenger compartment through a number of fixed and adjustable vents. Once set, the chosen conditions will be maintained by the computer controlled air-conditioning system.

D - Heating, Ventilation & Air Conditioning

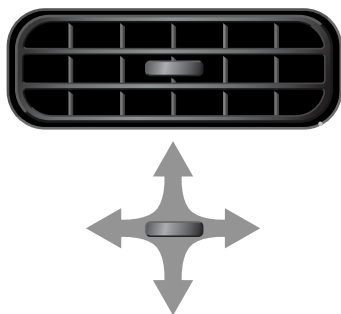
Ventilation

The air from the air-conditioning system is fed into the passenger compartment through a distribution system with several outlets. The diagram below illustrates the principal outlet positions.



Face Level Vents

The face level vents are controllable and can be adjusted, horizontally or vertically. Air supply to these vents is closed off in heating and defrost modes.

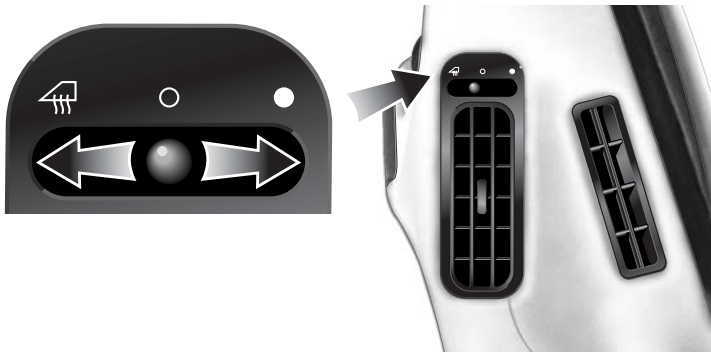


To direct the air from any of the face level vents, rotate the central thumb wheel left/right or up/down.

D - Heating, Ventilation & Air Conditioning

Door Mounted Vents

The door vents are also controllable and can be set to suit the occupants requirements.



A lever at the top of each door vent controls the distribution and volume of air.

In the mid position, unrestricted airflow is available from the door vent and the side window vent.

Moving the lever towards the window symbol progressively closes off the door vent and biases airflow to the side window vent.

Moving the lever towards the ● symbol progressively closes off the airflow to both side window and door vents. This lever position may be used during demist operations to ensure maximum airflow to the windscreen.

D - Heating, Ventilation & Air Conditioning

Air Conditioning Controls

The air conditioning controls are located on two panels mounted either side of the clock on the centre console.

Left Panel

The left panel contains the temperature and fan speed controls.



Temperature Control

This control sets the desired in-car temperature for the system. Incoming air is cooled and then heated or blended as required to maintain the in-car temperature at the set level within the operating range of the system.



Fan Speed Control

This five position switch is used to set the fan speed: Off (Fan symbol), 1-Low, 2-Medium, 3-High and Defrost. In Defrost mode the fans run at high speed and supply air to the windscreen and side screen vents only.

When the system is switched Off, (Fan symbol) the complete system is OFF. The external air inlets are closed, cutting off fresh air supply from outside the car.

D - Heating, Ventilation & Air Conditioning

Defrost (A/C Off)



In defrost mode, the system is automatically switched to high fan speed and maximum heat with no air conditioning. The hot air is directed to the screen and door vents only. The door vents may be closed to direct maximum air flow to the screen.

Right Panel (A/C Mode Switch)

The right panel contains the mode switch and temperature differential controls.

The mode switch settings are:



Economy (A/C off)
Manual Control
Auto Control
Demist
Recirculation

ECON (Economy)

In the ECON position, the air conditioning compressor is switched off. Incoming air can be heated if required and the fan speed can be adjusted to increase or decrease the airflow in the vehicle. This mode puts minimum load on the engine and gives the best fuel economy with no air conditioning (no cooling or dehumidifying of incoming air).

D - Heating, Ventilation & Air Conditioning



MAN (Manual)

In Manual mode, the air delivered from the vents remains at the temperature set on the temperature control regardless of the temperature inside the passenger compartment. In this mode, incoming air is also dehumidified and blended.



AUTO Control

This is the automatic mode of operation in which the heating and cooling functions of the system operate automatically, as required, to maintain the selected in-car temperature. In this mode, incoming air is also dehumidified and blended.

Note: If the incoming air requires little heating or cooling when in AC mode, the centre vent will close reducing the air flow in the upper part of the passenger compartment. If more airflow is required, the Demist function can be used to provide the same temperature level but with increased air flow to the windscreen vents.

D - Heating, Ventilation & Air Conditioning



DEM (Demist)

When this mode is selected heated air is directed to the windscreen vents for demisting as well as to the face level, footwell and door vents. Air speed and temperature depend upon the fan speed, in-car temperature selected and engine temperature.



Recirculation

In Recirculation mode, all external air inlets are closed and conditions within the vehicle are maintained by drawing air from within the cabin and heating or cooling it as required before returning it to the passenger compartment.

Recirculation mode avoids drawing noxious fumes into the vehicle from outside. This mode is not recommended for continuous use since no fresh air is drawn into the vehicle and drowsiness may occur.

The car interior may be rapidly cooled in recirculation mode by selecting Recirculation, Minimum Temperature and Fan Speed 3.

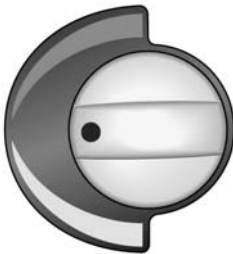
D - Heating, Ventilation & Air Conditioning

Temperature Differential Control



This control sets the difference in temperature between the air from the face vents and that from the footwell vents.

To provide cooler air to the face, the differential control should be set fully anticlockwise. If the control is set fully clockwise, the air from the face vents will be at the same temperature as that from the footwell vents.



The differential control is only effective when the temperature control is set to its mid position.

D - Heating, Ventilation & Air Conditioning

Contents

Security Systems 1-E-2

System Operation - Basic Controls 1-E-3

The Passive Anti-Theft System (PATs) 1-E-7

Alarm System - Operating Summary 1-E-9

Alarm Key Fob - Range and Battery Replacement 1-E-10

E - Security Systems

Security Systems

The primary protection for your DB AR1 is provided by an electronic security system. Protection is further enhanced by a passive anti-theft system (PATs) which provides engine immobilisation measures if the wrong ignition key is used. The total system has the following functions:

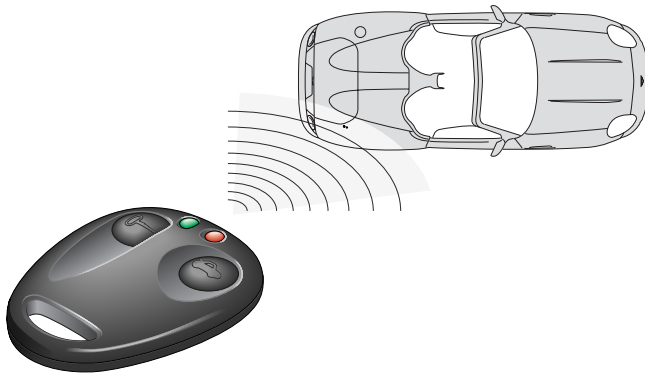
- Remote Arming/Disarming via a Key Fob.
- Perimeter Sensing via switches on the doors, boot lid and bonnet.
- Boot Release on the Key Fob.
- Panic Alarm triggered using the Alarm Key Fob.
- 120dB Siren with battery back-up (in markets where audible sirens are permitted).
- Random Code Encryption to prevent electronic scanning or grabbing of the key fob identity code.
- Passive Anti-Theft system.

Tracker System (Optional - UK only excluding Channel Isles)

- The Tracker hardware is fitted to UK cars only and may be activated for any owners who wish to subscribe to this additional vehicle security system. Please consult your dealer for system details and subscription rates.

System Operation - Basic Controls

The system is controlled using the two button key fob. The left (key symbol) button controls the normal locking/unlocking of the car and arms/disarms the alarm system. The right (boot open symbol) button controls the unlocking of the boot. The Panic Alarm feature is operated using the left key fob button.



The security system aerial is located at the rear of the car. The key fob should be pointed towards this area of the vehicle to ensure a strong signal. The normal operating range of the key fob is approximately 10 metres (30 feet).

The Passive Anti-Theft feature is fully automatic and is operated via a transponder in the ignition key head which communicates with the engine immobiliser circuits.

E - Security Systems

Unlocking the Car, Disarming the Alarm

Point the key fob towards the rear window and press the left button once. The following events will occur:

1. The green light on the key fob will light while the left button is pressed.
2. The car doors and fuel filler flap will unlock.
3. The direction indicators will flash (in markets where visible alarm signals are permitted and programmed).
4. The alarm system will be switched off.

Locking the Car, Arming the Alarm

Point the key fob towards the rear window and press the left button. The following events will occur:

1. The green light on the key fob will light while the left button is pressed.
2. The car doors and fuel filler flap will lock.
3. The direction indicators will flash once (in markets where visible alarm signals are permitted).
4. The alarm system will be switched on.

Alarm and Security System Protection

With the alarm system armed, any attempt to open a door, the boot or the bonnet will result in full alarm activation.

(See also the engine immobilisation protection afforded by the PATs system)

Full Alarm Activation

When activated, the siren sounds for 30 seconds (in markets where audible sirens are permitted) and the direction indicators flash (in markets where visible alarm signals are permitted). After 5 minutes the alarm stops (i.e. the direction indicators stop flashing) and returns to the armed state. The doors, boot and filler flap remain locked throughout.

The alarm can be deactivated by pressing the left (Key) button on the key fob. This will also disarm the alarm and unlock the doors and filler flap.

Panic Alarm

The system has a panic alarm feature which can be activated whatever the alarm state. This feature may be used to discourage offenders when you are either inside the car or within the operating range of the alarm key fob (approximately 10 metres / 30 feet).

To activate the panic alarm, press and hold the left key fob button for at least three seconds. The system will enter the full alarm state.

Press the key fob left button again to stop the panic alarm and return to the state prior to initial panic alarm activation.

If the panic alarm is not switched off using the left button, the siren will stop after 30 seconds and the indicator flashing will deactivate after 5 minutes.

E - Security Systems

Boot (Trunk) Lock Control



To open the boot (trunk), press the right key fob button. The key fob red lamp will stay on so long as the right hand button is pressed. The direction indicators will flash once (in markets where visible alarm signals are permitted), the siren will chirp once (in markets where audible sirens are permitted and programmed) and the boot will unlock. It is not necessary to disarm the alarm in order to use the boot unlock feature.

Caution: Always ensure that the boot (trunk) lid is securely closed after use. The boot (trunk) interior lights will be on when the lid is left partially open and will cause the vehicle battery to discharge.

The Passive Anti-Theft System (PATs)

The PATs system is a fully automatic engine immobiliser. The system consists of a transponder inside the head of each ignition key and, around the ignition lock, a transceiver aerial which communicates signals to the PATs electronic control unit. The PATs control unit communicates with the engine management controller to immobilise the engine until a valid code signal is received from the ignition key.



Two coded keys are provided with the vehicle. These keys fit both the door locks, the boot lock and the ignition lock.

In the event of loss of one of the keys, duplicate keys can be created and programmed from the other key by your Aston Martin dealer.

Starting the Engine

When the alarm system is disarmed and the vehicle key is turned in the ignition lock, the PATs controller sends a signal to the ignition key. The ignition key must respond with a valid code before engine start will be enabled. If a valid code is received, the ignition system will operate normally.

If the key code is not received, or is invalid, engine start remains disabled.

Caution: To ensure a trouble-free signal exchange between the key and the vehicle, do not cover the key head with any metal object (e.g. another key).

E - Security Systems

PATs Status



The PATs system state is shown by the red status LED in the centre console.

The status LED will illuminate for three seconds when the ignition is turned on and will extinguish when a valid code is received from the ignition key.

When the ignition is turned off, the status LED will flash. This is the normal state when the vehicle is parked with the ignition off and the key removed.

If the status LED remains on when the ignition is switched on, the system is in fail-safe mode. This means that the car will start, but PATs has a fault.

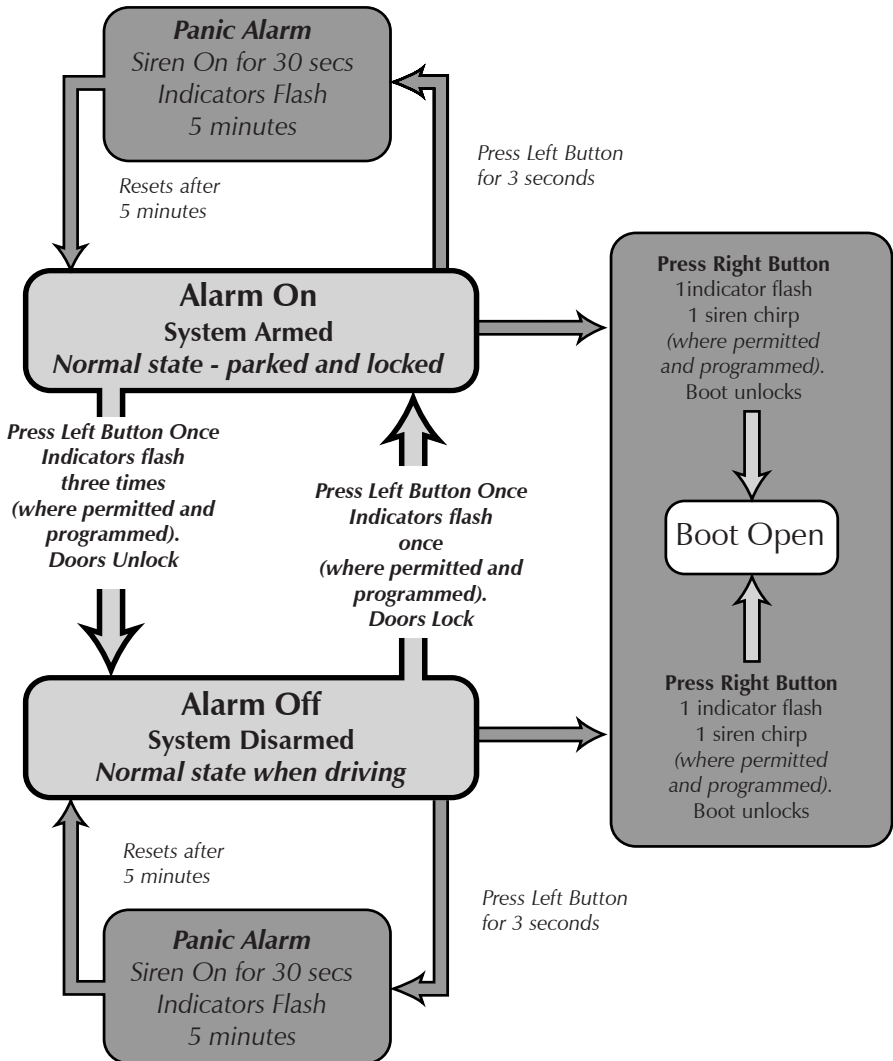
After one minute, the status lamp will flash a fault code. Your Aston Martin Dealer can use this code to aid diagnosis of the PATs problem.

If the status LED continues flashing when the ignition is turned on, the vehicle remains immobilised due to a fault in the system or an invalid key code. Should this situation arise, try the spare key. If successful, source a replacement for the faulty key. If problems persist with both keys, consult your Aston Martin dealer.

During normal operation, the only indication that PATs is present is the PATS status LED. The system is designed to be completely transparent to the vehicle user.

Alarm System - Operating Summary

Note: Siren and indicator lamp flashes are prohibited in some markets.



E - Security Systems

Alarm Key Fob - Range and Battery Replacement

The normal range of the alarm key fob is approximately 10 metres (30 feet). If you need to come closer to the car before the key fob signal is effective, the key fob battery probably needs replacing.



To replace the key fob battery, open the battery compartment using a small flat bladed tool and remove the cover.

Lift out the two batteries noting the correct orientation (positive terminals uppermost). Take care not to damage the upper electrical contact in the battery compartment.

Fit replacement batteries (Two x Varta CR2016 3 volt batteries or similar), observing the correct polarity. Refit the battery compartment cover and press the outer end to engage the cover lock tab.

Test that the alarm system will arm/disarm when actuated using the key fob from a range of approximately 10 metres (30 feet).

Level Checks	
and Tyres	
Vehicle Toolkit	
and Wheel Changing	
Recovery	
s	
Boxes	
and Fuse Replacement	
Work and Fittings	
Cleaning	
the Car - Recommendations	

them in the Service Schedules must be performed on time as failure to do so may void the New Car Warranty or other warranties. It is the owner's responsibility to see that the vehicle is maintained properly and in accordance with the manufacturer's service schedules.

Due to the sophistication of the various systems and the special attention required to maintain the DB AR1, owner maintenance is restricted to the routine procedures given in this Owner's Guide. If you think that the car is not functioning properly, please return it to an authorized Dealer to be checked professionally.

Electronic Fuel Injection

WARNING: Electronic Fuel Injection: If the fuel system is allowed to run dry, irreparable damage to the fuel pumps may occur.

The electronic fuel injection system requires special equipment and training to set up and maintain so that the car gives maximum performance with economy and reliability. You are, therefore, strongly recommended to have all service work to an Aston Martin dealer.

WARNING: Any modifications/additions to the fuel system not specified by Aston Martin are prohibited. If done, they may cause damage to the engine which in some circumstances could result in fire. It is recommended that all Service Field Actions are entrusted to an Aston Martin dealer.

damage to the vehicle and invalidate the New Car Warranty and other warranties. Recommended lubricants, capacities, etc. are listed in the Specifications section of this Owner's Guide. Only the recommended oil is recommended for use at all routine services whether or not you are under warranty.

Emissions Warranty

The emission control systems fitted to cars for certain markets are covered by a separate emissions warranty. A statement of the terms is given in the Warranty section of this Owner's Guide. Please be sure to read and be familiarised with all warranty conditions before taking delivery of your car.

Engine Compartment Covers

The primary fluid level checks and reservoirs within the engine compartment are all immediately accessible. The less frequently maintained items are located under the engine compartment covers. To remove the covers, use a coin or the tool kit screwdriver to turn the cover fasteners a quarter turn anti-clockwise. The covers will then pop-up and the covers can then be lifted off, along with the rubber protection strip.

When replacing the covers, fit them into place and secure them by turning down on each fastener and turn it a quarter turn clockwise.

INGS:

hands, hair, tools, items of clothing and jewellery clear of all drive and operating mechanisms. The cooling fans may operate even if the engine is not running. The windscreen wiper mechanism is fitted with a 30 second delay facility and may operate unexpectedly if left switched on.

Carbon monoxide is a dangerous gas and can cause unconsciousness and death. Do not breathe exhaust gas as it contains carbon monoxide which is colourless and odourless. Never start or leave the engine running in an enclosed area.

Do not come in contact with all exhaust system and engine components, engine oil or escaping steam. They may be hot and will burn you.

Do not perform any work in the engine compartment with the engine cover open. Always switch off and disconnect the battery.

Do not work beneath the car with the vehicle lifting jack as the only support is the jack stands under the car.

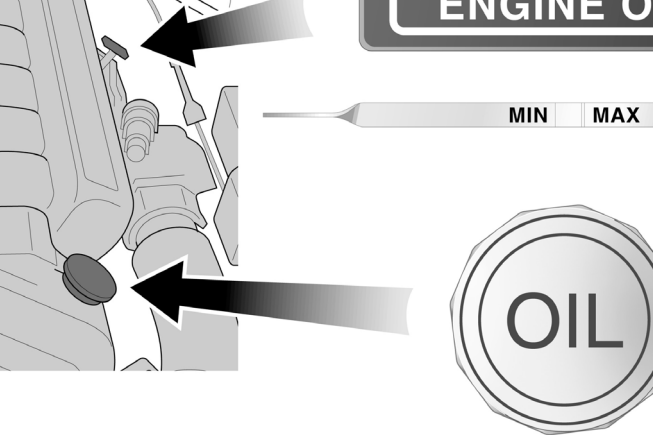
Keep children and pets clear of the car. Do not allow anyone inside the car while the engine is running. Always follow the instructions in the manual and always working to your instructions.

Engine Oil Dipstick	2	Engine Coolant Header Tank
Engine Oil Filler Cap	4	Power Steering Fluid Reservoir
Brake Fluid Reservoir	6	Windscreen Washer Fluid Reservoir
Brake Reservoir (Man)	8	Engine Bay Covers

Items 5 & 7 move to the left corner on left hand drive cars.

In the following descriptions, numbers in parenthesis, e.g. (1), refer to the numbered items in the diagram and list above.

Locations are described as viewed from the driver's seat. Thus the oil filler is on the left side of the car, the brake fluid reservoir (item 5) is on the right side of the car.

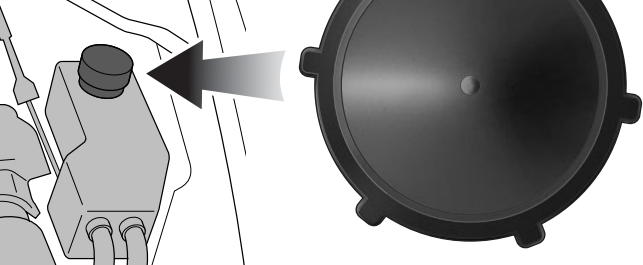


When checking engine oil level, the car should be on level ground. The engine has been running immediately prior to the check, wait a few minutes after stopping the engine for the oil to drain back into the sump. Dipstick (1) (which should be wiped clean before checking the level) is located on the left-hand side of the engine. The oil level should be maintained at the 'Max' dipstick mark.

Approximately one litre is required to bring the level from Min to Max. Recommended engine oil should be added through the oil filler neck. Refill. Replace the filler cap securely.

WARNING: Running the engine with insufficient oil can cause serious

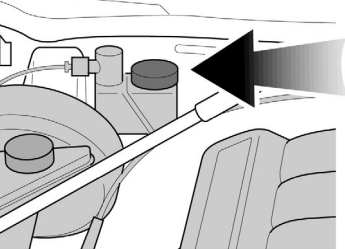
avoid personal injury and before working in or near the engine compartment



Engine coolant header tank (2) is mounted on the left-hand wheel arch of the engine compartment. It is fitted with a pressure relief cap. The cap must not be removed unless the engine is cold. A thick cloth or glove must be placed over the cap and the cap turned slowly in an anticlockwise direction.

Allow any residual pressure to drop and then continue to turn the cap until it is released from the header tank. Lift the cap clear and top up the tank with antifreeze mixture, of the correct strength, up to the maximum mark on the scale of the tank (see 'Specifications').

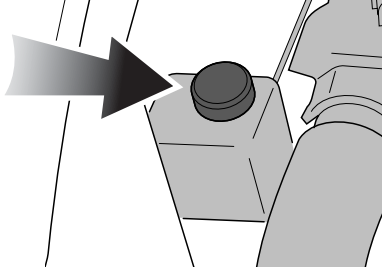
WARNING: *Scalding can be caused by escaping steam or coolant. Do not remove the pressure relief cap until the system is cold. In addition, use gloves to protect hands. Protect your face and arms adequately. See warnings and instructions for SERVICING PRECAUTIONS.*



clutch fluid reservoir (7) is fitted to the drivers side of the engine bay on manual transmission cars only.

Before removing the filler cap, clean it and the surrounding area to prevent ingress of dirt or foreign matter into the system. Top up the fluid with only the recommended fluid until the fluid level is at the top of the dipstick. (see 'Specifications').

Caution: Take care that hydraulic fluid does not contact the paint work during topping up operation. Serious paint work damage can result. If a spillage occurs, immediately flush the hydraulic fluid from the paint work with clean, fresh water and wipe with a clean damp cloth.

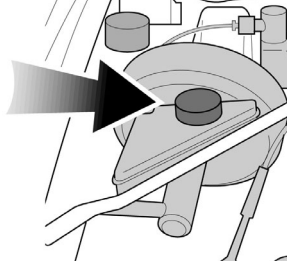


Power steering pump reservoir (4) is situated on the right

reservoir level should be checked when the engine is cool. The reservoir cap incorporates a dipstick. Top up the reservoir with the recommended grade up to the lower mark on the dipstick. **DO NOT OVERFILL.**

WARNING: *Avoid touching the sides of the engine when working in the engine compartment. The exhaust system will be hot if the engine has recently been running.*

Take care that hydraulic fluid does not contact the paint work during top up operation. Serious paint work damage can result. If a spillage does occur, immediately flush the hydraulic fluid from the paint work with clean, fresh water and wipe with a clean damp cloth.



brake fluid reservoir (5) is fitted to the driver's side of the engine compartment on top of the brake master cylinder assembly.

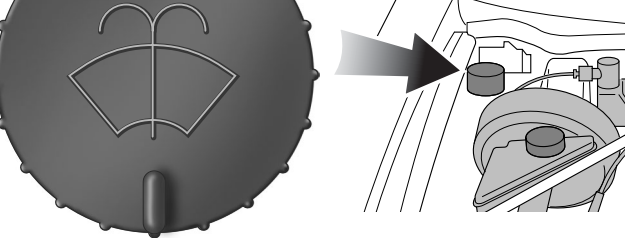
Before removing the cap, clean the cap and the surrounding area to prevent ingress of dirt and foreign matter. Top up to the indicated level with the recommended brake fluid (see 'Specifications'). Tighten the cap securely.

Brake fluid will absorb water vapour and must be replaced every two years in order to maintain the efficiency of the hydraulic system.

WARNINGS: *Do not drive the vehicle if the brake fluid level is low. Use only DOT 4 brake fluid from air tight containers.*

WARNING: *Avoid touching the sides of the engine when working in the engine compartment. The exhaust system will be hot if the engine has recently been run.*

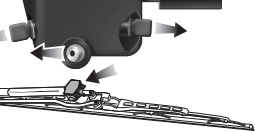
CAUTION: *Take care that hydraulic fluid does not contact the paint work during topping up operation. Serious paint work damage can result. If a spillage occurs, immediately flush the hydraulic fluid from the paint work with clean, fresh water.*



Washer fluid filler cap (6) is situated in the right rear corner of the vehicle. The washer fluid should be topped up as required with an appropriate concentration of washer solution. When the level of screen wash fluid is low, a warning light on the instrument panel warning light will illuminate.

State or local regulations may restrict the use of volatile organic compounds (VOCs), which are commonly used as anti-freeze agents in washer fluid. Washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all regions and climates in which the vehicle is operated.

Warning: *If you operate your vehicle in temperatures below 40°F, use washer fluid with anti-freeze protection. In cold weather, failure to use washer fluid with anti-freeze protection could result in impaired windscreen vision and increase the risk of a vehicle crash.*



Adjust the angle of the jets if necessary using a fine needle so that fluid covers the entire length of both sides of the wiper blades and the fluid stays on the windscreen.

Wheels and Tyres

Refer to the tyre specifications detailed in the specification section of this Owner's Guide for the correct tyre sizes and types approved for use on this vehicle.

To maintain the high performance capability of the car, specialist performance tyres should be fitted when replacement becomes necessary. The recommended tyre sizes for DB AR1 are not unidirectional. Tyre sizes are different on the front and rear axles. Therefore, complete wheels cannot be swapped between the front and rear, but may be swapped from one side of the vehicle to the other.

A characteristic of high performance tyres is that temporary 'flat spots' can develop if the vehicle is left standing in high or low ambient temperatures for any length of time. These 'flat spots' will manifest themselves as vibrations when the car is first driven from cold. As the tyres warm up to their operating temperature, the normal tyre shape should be restored and the vibrations cease. If vibrations persist, consult your Aston Martin dealer.

holding, steering and braking are especially vulnerable to imbalances and uneven pressures.

Pressures increase slightly when tyres are hot and, for an accurate reading, pressures should be checked when the tyres are cold.

When checking the pressures ensure that the valve caps are securely re-fitted to provide an additional air seal and to prevent the ingress of dirt.

Running-In New Tyres

When new tyres have been fitted, speed should be limited, particularly during the first 80 km (50 miles) or so of driving. Fast cornering, hard braking and harsh acceleration should also be avoided during this period.

Service

Tyres should be examined at regular intervals for wear and damage. Any foreign objects which have become lodged in the tyre treads should be carefully removed.

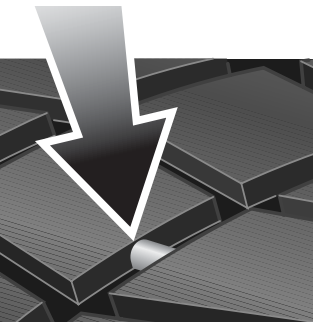
When new tyres are required, it is advisable to consult an Aston Martin dealer who will be able to supply tyres to the correct specification.

tyres as rear end stability will be affected. Consult your Dealer for advice if the rear tyres are also worn.

Each wheel and tyre unit must be balanced dynamically to ensure optimum tyre wear and maximum ride comfort. Because of the high speeds, it is essential that wheel balancing is carried out when new tyres are fitted.

WARNING: *Because of the high performance potential of your DB, we strongly recommend replacement of any damaged or worn*

Tread Wear Indicators



Tread wear indicators are incorporated into the construction of all tyres. The indicators are integral mouldings spaced at regular intervals around the circumference of the tyre and across the full width of the tread in the primary grooves.

When a tyre has worn causing one or more of the indicators to be flush with the outer face of the tread, only 1.6mm (0.062in) or less tread depth remains. This indicates that the tyre has reached its wear limit. It then becomes illegal to use the tyre in many countries and must be replaced.

ims. Four 8 inch front wheel rims and winter tyres are required to equip the car for severe weather driving. (See the Specifications and Owner's Guide).

Chains - These are available from your Aston Martin dealer and are fitted to the 8 inch road wheels fitted with snow tyres.

United States Department of Transportation

Minimum Tyre Quality Grades

The following information relates to the tyre grading system developed by the Federal Highway Traffic Safety Administration which will grade tyres for wear, traction and temperature performance.

All passenger car tyres must conform to federal safety requirements and must meet the minimum standards for wear, traction and temperature performance to these grades.

Wear

Treadwear grade is a comparative rating based on the wear rate of a tyre when tested under controlled conditions on a specified government test course. For example, a tyre graded 150 would wear one and a half times less than the government course as a tyre graded 100. The relative performance of a tyre depends upon the actual conditions of their use, however, a tyre may deviate significantly from the norm due to variations in driving habits, road conditions and differences in road characteristics and climate.

crete. A tyre marked 'C' may have poor traction performance.

WARNING:

traction grade assigned to this tyre is based on braking (straight-ahead) traction tests and does not include cornering (turning) traction.

Temperature - A, B, C

Temperature grades are 'A' (the highest), 'B' and 'C' representing resistance to the generation of heat and its ability to dissipate heat when used under controlled conditions on a specified indoor laboratory test track. Sustained high temperature can cause the material of the tyre to soften and reduce tyre life, and excessive temperature can lead to sudden tyre failure.

Grade 'C' corresponds to a level of performance which all passenger vehicles must meet under the Federal Motor Vehicle Safety Standards.

Grades 'B' and 'A' represent higher levels of performance on the laboratory test wheel than the minimum required by law.

WARNING:

Temperature grade for this tyre is established for a tyre that is properly inflated and not overloaded. Excessive speed, under-inflation or over-inflation, either separately or in combination, can cause heat buildup and possible tyre failure.

icles without the spare wheel option the vehicle toolkit is stored within the boot floor and covered by a boot floor liner panel. The toolkit consists of the following items:

tyre Inflation Aerosols and Warning Labels

tyre Pressure Gauge

Warning Eye

pair of Pliers

screwdriver

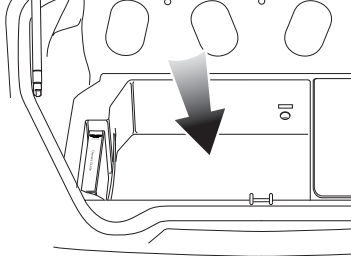
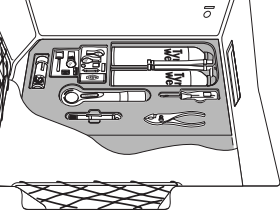
pair of Gloves

Locking Wheelnut Socket (UK only)

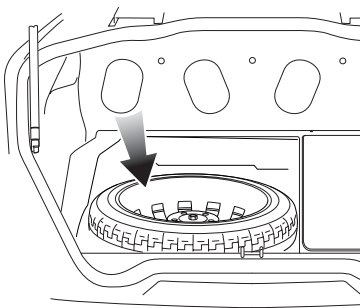
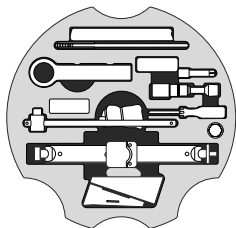
bulb and Fuse Kit

Allen Key

the boot floor to access the toolkit.



are Wheel Option



on of the tyre. Tyres with major damage cannot be repaired with aerosols.

WARNING: *A replacement tyre must be fitted at the earliest possible opportunity. This is particularly important because of the high performance potential of the tyre.*

Warning labels must be placed on the steering wheel and on the repaired tyre to inform the driver and operator that tyre sealant is in use.

A repair of a tyre using tyre sealant is not a permanent repair, but is designed to get the vehicle to a safe location for a permanent repair. The tyre should be replaced as soon as possible.

When using a temporary repair, travel at a maximum speed of 50 KPH until the defective tyre is replaced.

Warning: Inflation aerosols are not suitable for large holes or for repairs to the sidewall. Do not attempt a repair if the tyre has been displaced from the rim.

Repair Procedure

Move the vehicle to a safe location and if possible, remove the wheel from the road. Reposition the vehicle so that the puncture is at the bottom of the tyre. Remove the valve cap, deflate the tyre completely and clean the valve if necessary.

Shake both cans of tyre sealant. Warm the cans (e.g. by placing them near a heater) if the temperature is below freezing.

Repeat step 3 with the second canister.

WARNING: Because of the large air volume contained in tyres on a vehicle, two canisters are required to provide reinflation of a deflated tyre to a safe working pressure.

Fit the 30 mph maximum speed WARNING labels to the replacement tyre and to the steering wheel. Remove the steering wheel label when a new replacement tyre has been fitted.

Drive off immediately for 10 - 20 km (6 - 12 miles) at a maximum speed of 50 km/h (30 mph) to allow the tyre weld product to spread evenly over the tyre.

Stop off the road in a safe place and visually inspect the tyre to ensure that the leak has been completely sealed. Measure the tyre pressure (using the pressure gauge in the tool kit) and if necessary drive to the nearest service station and adjust to the correct pressure using an air pump.

Limit your speed to 50 km/h (30 mph) and have the defective tyre replaced as soon as possible.

Purchase approved replacement aerosols and labels from your nearest Aston Martin dealer as soon as possible.

...it road wheels must be in the straight ahead position before removal.
...re will catch on the wheel arch during removal if not in the '...
...position.

...that the temporarily repaired tyre is inflated to the specified pressure.

...xceed 50 km/h (30 mph) when a temporarily repaired wheel is fitted.

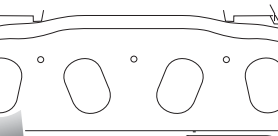
...that no persons are in the vehicle before jacking commences.

...that the handbrake (parking brake) is set and that the car is in 'Park' (Automatic) or 'Neutral' (Manual).

...that the vehicle is parked on firm and level ground to ensure a secure jack.

...run the engine while the car is on the jack and never let anyone stand on the car whilst it is on the jack.

Wheel Access (where fitted)

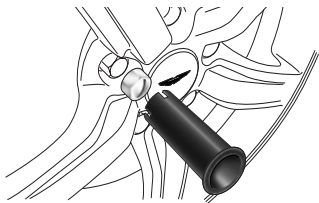


On vehicles with the space saving wheel, the spare wheel is stored well in the boot floor.

Lift out the boot floor and

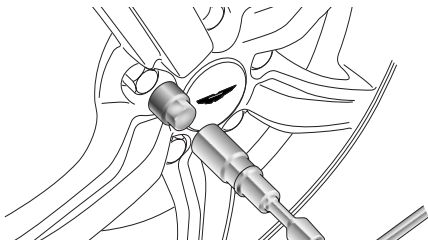
the one to be removed. If parked on an incline, chock the drive wheel.
of the wheel.

2. Remove the locking cap from the special nut extractor tube from the wheel nut. Assemble the wheel nut



Using the wheel nut wrench from the tool kit, slightly loosen the normal wheel nuts in turn so that the nuts may be removed once the wheel is raised from the ground.

Using the special socket from the toolkit, slightly loosen the wheel nut.



In the following step, the jack handle extension (D) must be used to press the jack handle (C) against the vehicle paintwork as the jack handle (C) is rotated.

Ensure the safety of any persons in the vicinity and the security of the vehicle. Use the wheel chock. Raise the vehicle as necessary using the jack ratchet handle and extension (D) to lift the deflated wheel clear of the ground. Remove the wheel nuts and remove the deflated wheel.

Mount the spare wheel on the hub. Reverse the jack ratchet handle and extension and partially tighten the wheel nuts.

Lower the vehicle to the ground. Tighten the wheel nuts alternately. Remove the wheel chock.

Place the tools into their location in the boot. Place the deflated wheel in the bag provided and place on the rear seats.

When the spare wheel is correctly fitted and secured, drive conservatively (80 km/h (50 mph) maximum) and have the wheel nuts torque tightened to 88-102 Nm (65-75 lbs/ft) at the earliest opportunity.

WARNINGS:

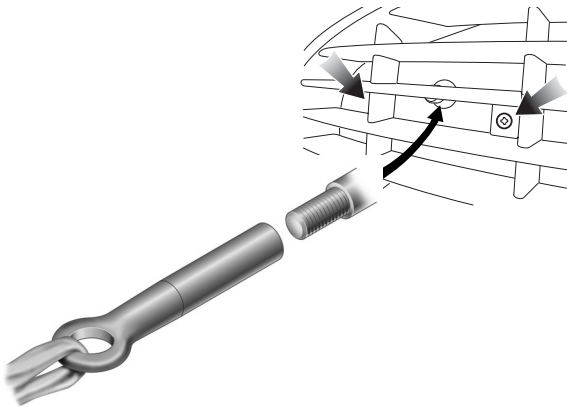
Read the wheel label warnings. Failure to comply can be dangerous. Always fit and refit a serviceable standard wheel and tyre as soon as possible. Do not fit more than one temporary spare wheel at a time. Do not drive at more than 80 km/h (50 mph) when the spare wheel is fitted.

Preferred method for moving a defective vehicle is to have it carried by a purpose built covered vehicle transporter.

Ensure that the recovery team are aware of the following instructions.

Supporting and Towing

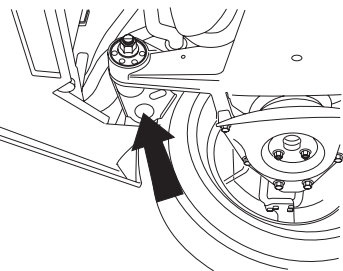
The front towing eye is primarily for emergency use when towing from the front of the vehicle, e.g. removing the vehicle if it is causing an obstruction or loading the vehicle onto a covered flatbed transporter.



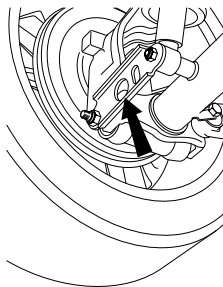
When using a DB AR1 in such a situation, remove the towing eye access cover from the front grille using the screwdriver from the toolkit. Fit the front towing eye into the front grille aperture.

e vehicle is to be transported on a trailer or flat bed transporter, the parking brake must be applied and the wheels chocked. Vehicles with a Touchtronic transmission must have the gear selector lever moved to the **P** position, but NEVER in **P**. The parking lock may be damaged if the vehicle is transported with the gear selector lever in **P**.

For tie-down brackets are provided, two on each axle. These are suitable for solid bar towing.



Front Axle Tie-Down



Rear Axle Tie Down

Vehicles with Defective Touchtronic Transmission

A vehicle with a defective Touchtronic transmission must be carried on a transporter or towed with the rear of the vehicle off the ground (see suspended towing) or towed with the propeller shaft disconnected at the final drive input flange. If the propeller shaft is connected, it must be firmly secured away from the final drive.

are when using 'spectacle frame' type towing equipment the device is well clear of the front or rear apron. Body damage if the vehicles pass over uneven road surfaces.

to Towing Regulations

in countries the registration number of the towing vehicle and a sign or warning triangle must be displayed in a prominent position of the vehicle being towed.

suspended Tow

To prevent body damage ensure an adequate clearance is maintained between the car body and (1) the ground and (2) the 'spectacle frame' of the towing vehicle while your car is being towed.

Remove the ignition key from the ignition.

Vehicles with manual transmission: Place the gear lever in neutral.

Vehicles with automatic transmission:

Connect the propeller shaft at the final drive input flange.

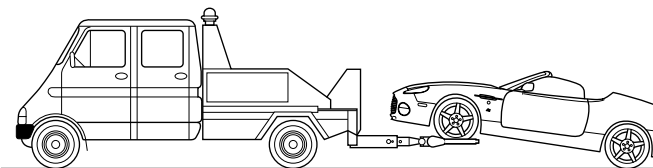
Ensure that the propeller shaft is firmly secured away from the final drive output flange.



tion: To prevent body damage ensure an adequate clearance is maintained between the car body and (1) the ground and (2) the frame of the towing vehicle while your car is being towed.

Remove the ignition key from the ignition/steering lock.

Raise the vehicle using a 'spectacle frame' style lifting device. The cradle is positioned under each rear wheel as indicated below.



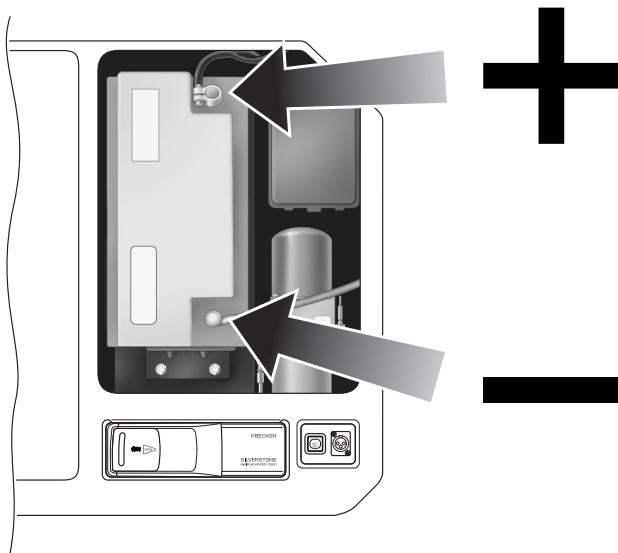
Towing by Another Vehicle

WARNING: When the engine is stationary, there will be no power to the steering or brakes. Therefore be prepared for relatively heavy steering and need for greatly increased brake pedal pressure.

The vehicle may be towed short distances by another provided the towing speed does not exceed 8 km/h (30 mph). Do not tow for more than 10 minutes. When being towed, the vehicle's gear lever, or gear selector (automatic transmission), must be in Neutral or position N with the parking brake turned to position II to release the steering lock and to render the turn indicators and brake lights operational.

attery is located in the right-hand side of the boot. The battery is maintenance free and should only require checking by your dealer or authorised vehicle services.

charge level must be maintained by use of the battery conditioner when the vehicle is not in frequent use.



The engine must never be run with the battery disconnected.

WARNING: The battery emits combustible gas (hydrogen) when charging. Always disconnect the battery and short circuits by switching off the charger before connecting the battery.

Do not ingest battery acid or fumes. If battery acid is ingested, drink large quantities of water or milk followed by milk of magnesia, beaten egg or vegetable oil. Call for medical assistance immediately.

Do not let battery acid come into contact with skin, eyes, hair, fabrics or surfaces. A solution of warm soapy water and baking soda may help remove acid.

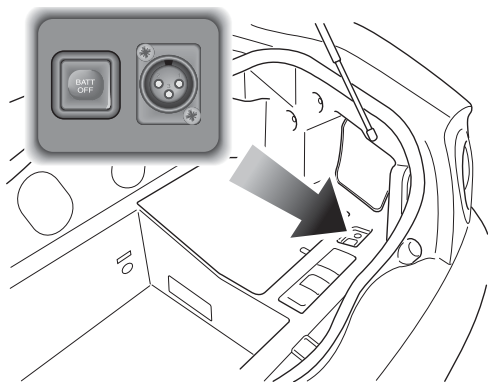
Lead acid batteries contain sulphuric acid, lead and other potentially hazardous materials. Dispose of unwanted batteries in authorised waste disposal facilities. DO NOT discard unwanted batteries in household waste.

Quiescent Battery Drain

Power drain from a battery after the ignition is switched off is known as 'quiescent battery drain'. Your DB AR1, in common with many modern technology motor cars, contains electronic circuits and systems which must be left activated at all times. For example, the clock, alarm system and in-car entertainment system continue to drain battery power even with the ignition switched off. This quiescent drain will discharge a fully charged new battery in approximately 30 days unless recharged by the engine running or an independent battery charger.

It is therefore vital that, when leaving your car unused for extended periods, you use the battery disconnect switch to minimise

...the battery is greatly reduced.



...tain the battery charge level, press the battery disconnect switch.
...battery conditioner to charge the battery whenever the vehicle is
...of use for some days.

...attery disconnect function is used in conjunction with the battery
...onner, the vehicle may be stored for many months without additional
...maintenance.

...The vehicle security systems will be totally disabled when the battery
...ect switch is used. The vehicle will be secured only by the mechanical
...sure that the vehicle is stored in a secure location.

...Close and lock the doors before disconnecting the battery. The doors

charging or maintenance free and 12V gel type batteries.

conditioner has an inbuilt mains connector appropriate for which the vehicle is sold.

conditioner output is 13.8V - 14.7V, up to 4.0A. It is designed for conditioning of partially or fully charged batteries. It will not charge a completely discharged battery and is not a substitute for a dedicated battery charger.

WARNINGS:

Indoor use only.

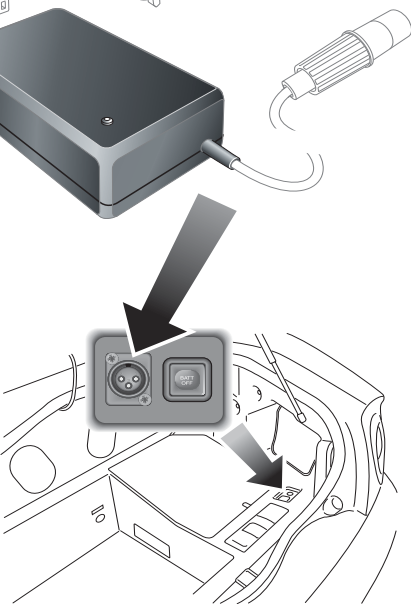
Connect the mains supply before making or breaking battery connections.

Explosive gasses are given off by batteries during charging. Prevent sparks - No smoking.

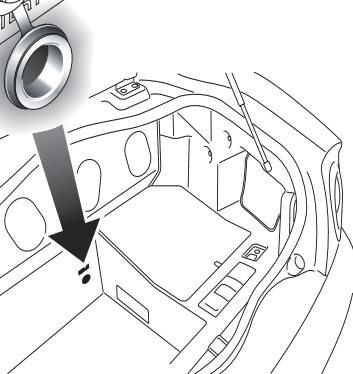
Do not attempt to start the vehicle with the charger connected to the battery.

The unit has an electronic controller which senses when the battery voltage comes low and commences charging.

When the battery charge level rises to 80%, a 2 hour timer starts



Plug the conditioner into the electrical supply socket. When the switch on the supply is turned on, the indicator lamp will illuminate red if the battery is below 80% charged. The indicator will change to yellow between 80% and 100% battery charge. When the indicator shows green, the battery is fully charged. At this point, the conditioner should be left switched on and will maintain the battery charge as necessary while the vehicle is always ready for immediate use.



Firmly press the battery disconnect switch until it latches to the battery before opening any door or attempting to start the vehicle.

Caution: Always reconnect the battery before opening any door. The door window seals will be damaged if the door is opened when the battery is disconnected.

When the battery disconnect function is in use, all vehicle electrical systems (except 'keep alive memory') remain disabled until the battery disconnect switch is pressed.

Commissioning the Car after Battery Disconnection

When you wish to use the vehicle, disconnect the mains supply from the vehicle's battery conditioner and then disconnect the conditioner from the mains socket.

Press the battery reconnect switch until it latches to power up the vehicle's electrical circuits.

Caution: Always reconnect the battery before opening any door. The door window seals will be damaged if the door is opened when the battery is disconnected.

alt battery and negative (-), black earth terminal to ensure the battery polarity is maintained.

WARNING: If the voltage or earth of the donor vehicle is different or not, do not attempt starting in the way described.

Position the vehicles so that the connecting cable will reach both batteries. Ensure that the vehicles do not touch each other.

To lessen the risk of an electrical short circuit, remove rings, watch bands and any other jewellery. Wear eye protection when working near the battery. Turn off all electrical motors and appliances on both vehicles. Switch off all lights except those needed to position the vehicles or illuminate the work area. Switch off the ignition and engage the handbrake.

Remove the boot floor panels to gain access to the battery.

Connect the red (+) cable between the red (+) positive terminals of the two batteries.

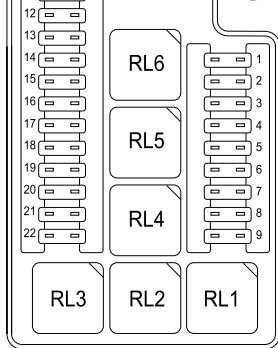
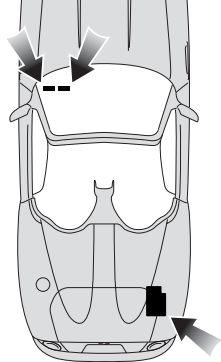
Connect the black (-) cable between the black (-) negative terminals of the two batteries.

Start the donor vehicle engine and run at about 1500 - 2000 rpm.

Start the engine. Allow the engine to run for some minutes until the battery is partially charged. Switch off both vehicles.

Restart the engine and take it for a long road run if possible to charge the battery.

If necessary, recharge the battery using an appropriate 'trick'



use/relay boxes are fitted to DB AR1 containing the fuses to control the mechanical and electronic systems of the vehicle. The box location is indicated on the diagram above.

Forward left and right fuse boxes are located beneath a plate in the driver's side footwell. The rear fuse box is located in the boot, close to the rear seat.

WARNING: Do not add to or alter the electrical systems of DB AR1 unless approved by the manufacturer. Only use Martin approved options to the manufacturers instructions. The use of non-approved components, incorrect dismantling, incorrect reassembly or incorrect connection of components may create electrical overloads and a fire hazard.

WARNING: Do not attempt to repair a blown fuse. This could cause a fire hazard and damage elsewhere in the electrical circuits.

5A	Passive Anti-Theft Module
20A	Cigar Lighter
10A	Diagnostic Sockets, Radio, Air Conditioning
	Door Mirror and Window
5A	Seat Switches and Heaters
10A	Indicator Flasher
10A	Ignition Coils 1-6
10A	Interior Lamp Cluster
10A	Ignition Coils 7-12
20A	RHS Seat Heater Relay, RHS Seat Module
10A	Dimmer, Passive Anti-Theft Module, Radio
10A	Door Mirrors
5A	Diagnostic Sockets
25A	Not used
10A	Hazard Flasher Unit
20A	Wiper Logic Module and Wiper Stalk
30A	ABS Control Unit
20A	Wiper Motor, Logic Module and Wiper Stalk
30A	ABS Control Unit
10A	Air Conditioning LH Blower Motor
5A	Gearshift Interlock Module, Traction Control
	Interior, Map & Courtesy Lamps
10A	Air Conditioning RH Blower Motor
10A	Powertrain and Transmission control Module
	Alive Memory

	Module, PRND Switch
5A	Headlamp Relay, Instrument Pack, Dimmer U
10A	Multi Function Unit, Air-Conditioning In-Car Anti-Lock Brakes Control Unit
5A	Traction Control Switch, Alternator Regulator, Front Screen Control
10A	Rear Fog Switch, RH Dip Beam
30A	Starter Relay
10A	LH Dip Beam
20A	LHS Seat Heater Relay, LHS Seat Module
40A	Heated Front Screen Controller
10A	RH Horn
30A	LH Rad Cooling Fan
10A	LH Horn
30A	RH Rad Cooling Fan
30A	Primary Powertrain Control Module RHS
10A	Multi-Function Unit, Central Locking Modu Conditioning Control Panel, Alarm Sounder
30A	Secondary Powertrain Control Module LHS
5A	Interior Map Lights, Instrument Pack, RH Rad Module
10A	RH Main Beam
20A	Window Lift Cut Out, Accessory Terminal, Air Conditioning Clutch Relay
10A	Instrument Pack, LH Main Beam
25A	Front Fog Relay

20A	Security System & Tilt Sensors
5A	+12V Ignition
5A	Boot Switch Logic Relay, Security System C
30A	Accessory Terminal
5A	RH Fog Lamp, Powertrain Control Module
20A	Fuel Pump 2, Secondary Powertrain Contr
10A	HM Stop Light, LH Stop Light
10A	Boot Lamps, Radio Aerial Motor
10A	Accessory Socket
20A	Not Used
20A	Not Used
10A	Airbag Control Unit
30A	Not Used
20A	Fuel Pump 1, Primary Powertrain Control
10A	Rear Fog Light Relay
10A	Manual Gearbox Cooling Pump
10A	Accessory Terminal
10A	RH Tail, Side, Side Marker and Number Plate Lamps
20A	Premium ICE Amplifier
10A	LH Tail, Side, Side Marker and Number Plate Lamps
20A	Manual - Exhaust By-pass System Automatic - Not Used

icles fitted with the space-saver spare wheel the kit is stored in the insert.
insert.

icles without the spare wheel the kit is stored in the insert under the floor covering. The kit contents are market dependant and the following table shows the contents of the kit:
:

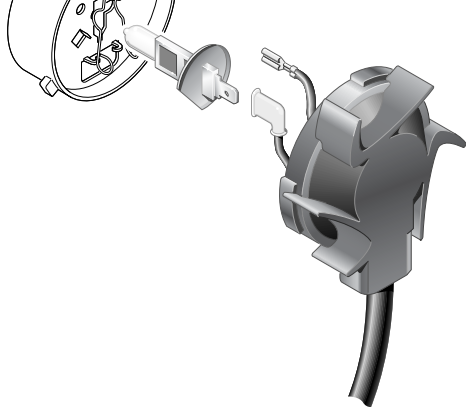
5W (Festoon)	C5W	Number Plate Light
5W (capless)	W5W	Side Lights/Side Repeaters
55W	H1	Headlight Main and Dip

From August 2002 dip beam bulbs 12V, 55W H1 Philips Blue Vision for all models except North America.

55W	H3	Headlight/Fog light (not applicable)
5W	W3W	Side Markers LH/RH, Front and Rear

tractor Key

Bayonet fuses are located in the toolkit



Lift the bonnet.

Turn the lamp rear cap anti-clockwise and release it.

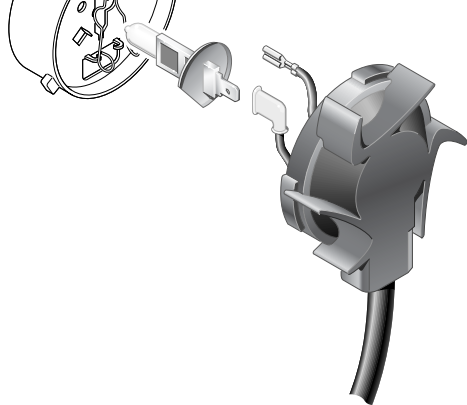
Pull off the two electrical leads from the headlight bulb connector.

Pinch the bulb retaining clip and release it.

Withdraw the headlight bulb, noting the bulb orientation.

Hold the new bulb in a clean cloth or paper towel. Orient the bulb correctly in the headlight bulb holder and secure it with the retaining clip.

Connect the two electrical leads.



piped beam lights are accessed through panels in the wheel arch

n the steering to the opposite lock to the defective light (i.e. f
t to access the left dipped beam light and vice versa).

ng a screwdriver from the tool kit, release the quarter turn fast
access cover in the wheel arch liner and remove the cover.

move and replace the bulb following the instructions for the
m on the previous page.

t and secure the access cover.

Heading alignment requires adjustment, it may be corrected.

Ensure that the tyres are inflated to the specified pressures.

Fill the car with fuel.

Park the car on level ground.

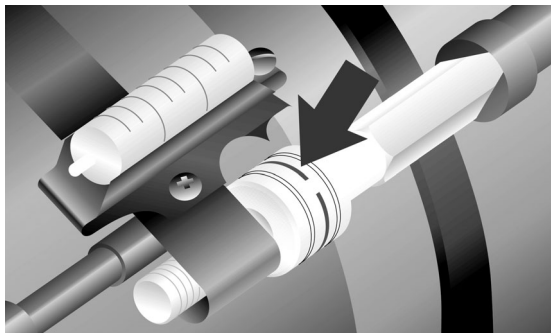
NOTE: Any error in ground level will adversely influence the accuracy of the horizontal beam alignment check

Have an adult person sit in the drivers seat.

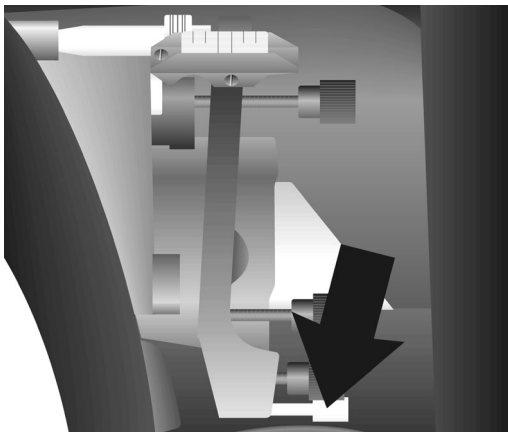
Load the boot with the normal items you carry.

Open the bonnet.

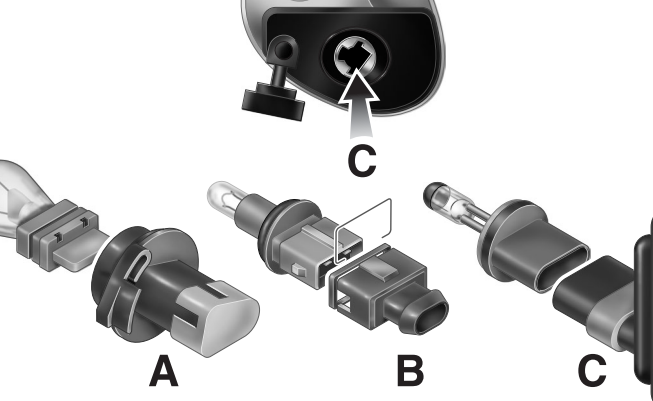
Horizontal Beam Alignment Check



Check the gauge labelled Horizontal Angle Gauge. The green



have any difficulty in getting the indicators to align, take your vehicle to a qualified
Martin dealer for service.



Using the screwdriver from the tool kit, remove three screws and the lamp assembly from the front apron.

If preparing to replace the front fog lamp (C), release the rubber seal from the lamp housing.

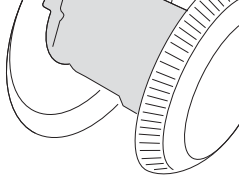
Turn the appropriate bulb holder (Indicator - A, Parking Lamp - B, or Fog Lamp - C) a quarter turn anticlockwise and remove it.

Pull the defective bulb from the bulb holder and fit the replacement bulb.

Refit the bulb holder to the lamp assembly and, if necessary, fit the rubber seal to the fog lamp.

in the front wing.

*Take care not to let the bulb holder fall
front wing.*



...ding the bulb holder, rotate the lens
...quarter of a turn anticlockwise.
...ndraw the lens. Replace bulb and
...semble the side repeater lamp.

...n the side repeater lamp to the wing and rotate a quarter of
...ckwise.

Marker Lights

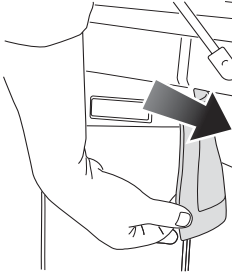
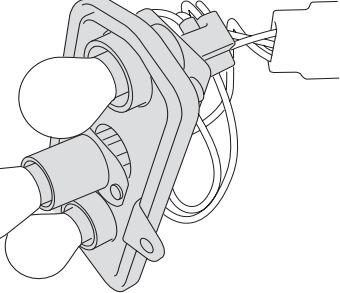
...g care to protect the paint work, push the side marker light an
...quarter of a turn anti-clockwise. Withdraw from front wing.

Take care not to let the bulb holder fall into the front wing.

...ding the bulb holder, pull the lens complete with bulb from t
...der. Replace bulb and re-assemble the side marker light.

...n the side marker light to the wing and rotate a quarter of
...ckwise.





Remove the boot trim panel.

Remove two knurled nuts and withdraw the bulb holder.

Push and rotate the bulb a quarter of a turn anti-clockwise.
Remove the bulb from the bulb holder.

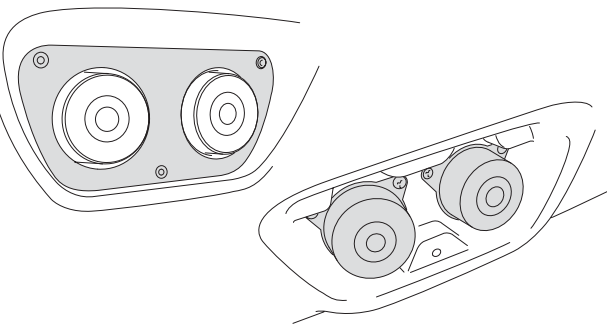
NOTE: The stop/rear light bulb has two filaments and offset bayonet pins. Ensure correct orientation when fitting.

Insert the new bulb. Push and rotate bulb a quarter of a turn clockwise.

Place the bulb holder back to the light cluster and secure with the two knurled nuts. Install the boot trim.

er containing the defective bulb.

lace bulb. Refit bulb holder and outer trim panel.



er Plate Lights

er / Unscrew the light unit from the bumper. Be careful
nage paint work.

the defective bulb form its holder and replace with a new

lace the number plate light unit





out the lens assembly.

2.Remove the defective bulb clips and replace with a new one.

3.Press the light lens assembly into its housing until it is in position.

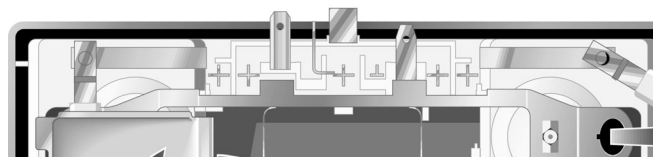
Front Interior Lights

Release the quarter turn fastener on the front interior light assembly and lower the assembly from the roof liner.

To replace an interior light festoon bulb, pull the defective bulb out of its clips and insert a new one.

To replace a map reading light bulb, swing the bulb contact arm to the bulb. Lift out the defective bulb and fit a replacement. Swing the contact arm back to its original position.

Refit the light assembly to the roof lining and secure by turning the quarter turn fastener clockwise.



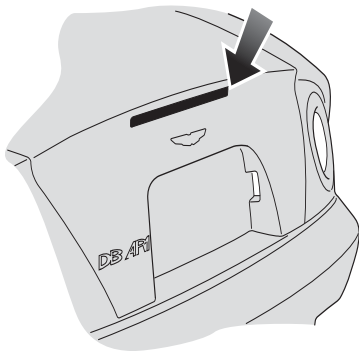


light assembly from its location at the lower door edge.

2. Remove the bulb from the assembly and fit a replacement bulb.
3. Refit the assembly to the vehicle by pushing firmly until it clips into place.

High Mounted Stop Lamp

A high mounted stop lamp is fitted in the boot lid. It is recommended that you have your dealer change the high mounted stop lamp if necessary.



Window Reset Procedure

ectly, reset the window controllers as follows:

Window Controller Memory Reset Procedure

Sit in the drivers seat with the doors closed. Turn on the ignition.

Press and hold down the window Down button until the window reaches its maximum down position in one movement.

Press and hold the window Up button until the window reaches its maximum up position in one movement.

Switch off the ignition, step out of the car and close the door. The Window Controller Memory Check to ensure that the window's maximum up and down positions have been correctly reset.

Headlamp Ventilation

In very humid conditions some condensation may accumulate in the headlamp pod enclosures whilst the engine is stopped. When the engine is running and the air conditioning is switched on, the headlamp pod enclosures are automatically vented and any condensation will clear within a few minutes.

For rapid headlamp ventilation, use the following settings: A/C on, Fan speed 3, Interior vents all closed. If the condensation does not clear, consult your Aston Martin dealer.

Hinges should be lubricated and door drain holes cleaned regularly.

Notes:

Door hinges should be lubricated with grease.

Remove any excess lubricant to avoid contaminating clothing.

Check the drain holes in the bottom face of each door periodically and if necessary with a short length of wire.

Do not lubricate door or ignition locks. They are greased during manufacturing and should not need regular service.

Automatic car washes and power-operated mops are not recommended. Prolonged use will cause fine scratches in the paint surface.

Cleaning

Work

ing

For best results, do not wash the vehicle in strong sunlight. Allow the vehicle to dry before washing. Do not use household soaps or detergents. Do not use brushes at full force around the door or boot seals.

When washing the vehicle use plenty of clean, cold or luke warm water. Remove dust or mud from the paintwork by brushing in a gentle

ly dry with a chamois leather, which should be rinsed regularly.
er.

WARNING: Washing and polishing agents containing silicone should not be applied to glass. This will reduce the efficiency of the windscreen wipers. Waxes which will reduce visibility, particularly during darkness and

ing the winter months, it is advisable to wash the car more frequently, paying particular attention to the underside to combat the effects of any salt and sand contamination picked up from treated roads.

Polishing

Approximately twice a year, a good quality polish should be applied to the car and buffed, using a soft lint-free cloth.

Wheel rims should be treated with a cleaner which is specifically manufactured for this purpose.

not working properly, consult your Aston Martin Dealer.

A seat belt that has been worn during a serious collision should be replaced by an Aston Martin dealer.

To clean the belts, use mild soap and water; do not use bleach, as this, as they can weaken the material. Allow the belts to dry before use.

WARNING: *In the interest of safety, do not allow seat belts to be retracted until they are completely dry.*

Underbonnet Cleaning

Underbonnet cleaning using high pressure hoses or steam cleaning should not be done. The electronic control modules and fuse box can be damaged by indiscriminate use of high pressure cleaning equipment.

Aerial Care

Regular cleaning with a special aerial cleaner will ensure smooth operation of the aerial.

Always wipe the aerial in an upwards direction.

For delicate cleaning, use an aerial maintenance wipe cloth.

In freezing conditions, check that no ice has formed over the aerial, which could prevent it being raised and cause damage to the mechanism.

ever the car is not in use always cover the car with it's fabric

Vehicle is not to be used for periods up to six months it should be stored in a dry, well ventilated building.

Drive the car for a sufficient distance to warm the oil in the engine, gearbox, transmission and final drive unit; this ensures complete lubrication of internal components.

Check the engine coolant level. Top up if necessary with the correct mix of antifreeze/water solution.

Before taking the weight off the tyres, raise the car with a jack and support it on stands under the front and rear suspension.

When the vehicle is not raised from the ground, increase the tyre pressure to 250 kpa 50 psi. Cover the tyres to exclude any light. Rotate the tyres every month to avoid tyre flat spots.

The battery should be removed and cleaned. Fully charge the battery with a charger and recharge once a month.

1 month

Disconnect the battery and ventilate the storage area. Start and run the engine until fully warmed up. Check that there are no fluid leaks and correct the tyre pressures if necessary.

Use the Air Conditioning system to keep the internal parts of

Extended Storage

storage periods exceeding six months the following additional steps are recommended;

1. Run the car until there is as small a quantity of fuel in the tank as possible for storage purposes.

Preparation: Do Not Drain The Fuel System

2. Add Engine Oil to the remaining fuel in the tank to ensure a concentration of 2% (i.e. 20ml per 1 litre of fuel) and then run the engine for no less than 10 minutes to circulate the mixture thoroughly through the fuel system.

3. Check the rubber connections of the cooling system and renew if necessary.

4. Wash the bodywork of the car thoroughly and repair any scratches or patches of rust in order to prevent any further deterioration. Apply a suitable polish.

5. Vacuum the carpets and upholstery thoroughly. Dust them with anti-moth powder and store in a dry place. Treat all leather with an appropriate leather conditioner.

6. If the storage building is dry leave the car windows slightly open. If there is any tendency towards dampness close the car windows and place an anti-moisture compound such as Silica

in the road.

the tyre pressures, inflate if necessary and lower the car to the ground.
Recharge and refit the battery. Reset the clock and electric windows.
Remove the engine sump and final drive unit, fit a new engine oil filter and
fill with the approved oils. Check the coolant level and if necessary
top-up with the correct antifreeze/water solution.

Check all fluid levels and top-up as necessary. Fill the fuel tank.

*Starting the engine without sufficient lubrication can cause serious damage.
Take care to establish engine oil pressure as directed in the following
procedure following the engine to start.*

and hold the accelerator hard to the floor (kickdown switch action). This will
temporarily inhibit the fuel injectors during cranking. Turn the key to the
start position. Press and hold the starter button to crank the engine until
oil pressure is indicated on the oil pressure gauge. Release the starter
button and the accelerator pedal.

Run the engine normally and check that the oil pressure and battery
warning lights go out as the engine starts indicating correct oil pressure.
Check the battery charging. Raise the bonnet and check for leaks of fuel,
oil or coolant.

Check the operation of all instruments, lights and accessories.

uently apply the brakes until the discs have been deglazed. Performance should then be restored.

Contents

Body	1-G-2
Engine	1-G-2
Power and Torque Graphs	1-G-3
Transmission - Manual	1-G-4
Transmission - Automatic	1-G-4
Final Drive	1-G-4
Steering	1-G-4
Suspension	1-G-5
Brakes	1-G-5
Towing	1-G-5
Wheels and Tyres	1-G-6
Exterior Features	1-G-7
Interior Features	1-G-7
Lights	1-G-8
Exterior Dimensions and Clearances	1-G-9
Interior Dimensions	1-G-10
Weights	1-G-10
Capacities	1-G-11
Recommended Fluids	1-G-12

G - Specifications

Body

Two door Roadster with 2+0 seating.

Steel underframe and body panels. Steel front wings, boot lid, sills and front and rear bumper aprons. Steel doors, bonnet inner, boot inner and rear quarters. Side impact protection in the doors.

Engine

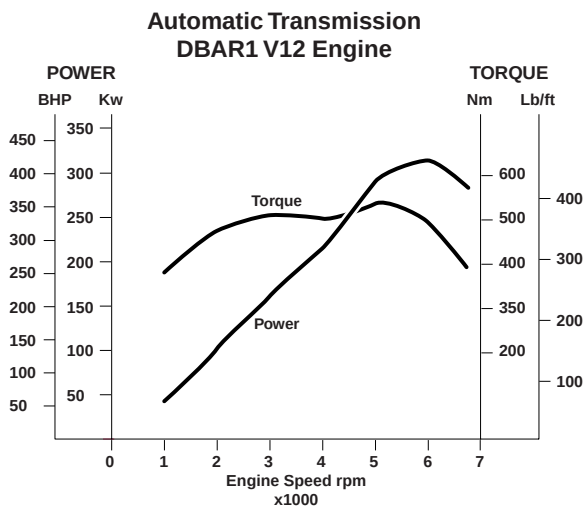
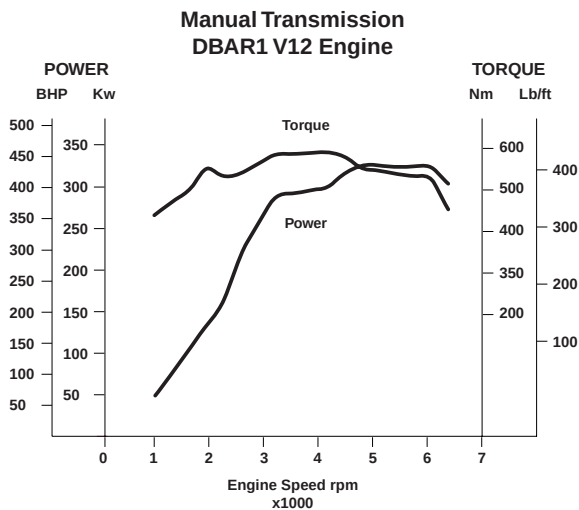
All alloy, quad overhead cam 48 valve V12. 5935 cc. Compression ratio 10.3:1.

Twin EECV engine management systems with multi-point sequential fuel injection and 'Coil on Plug' Ignition System.

Fuel	95 RON Unleaded or 98 RON Super Unleaded. (USA - Premium Unleaded). 2 in-tank fuel pumps.	
Emission control	4 Oxygen sensors / three-way catalytic convertors, Exhaust gas recirculation, Evaporative loss purge	
Bore	89.0mm	
Stroke	79.5mm	
Spark Plugs	NGK - PTR6E-13	
Spark Plug Gap	1.3 ± 0.1mm	
Lubrication system	Wet sump pressurised lubrication	
Alternator	Denso L3BHE 120A	
Voltage Regulation	13.8V ±0.5V @ 20°C	
Battery	Varta 90AH	
	(Manual)	(Automatic)
Max Power	324 kW (435 bhp) @ 6000 rpm	309kW (420 bhp) @ 6000 rpm
Max Torque	556 Nm (410 lb/ft)	542 Nm (400 lb/ft)

Power and Torque Graphs

Note: 84% of maximum torque is produced at only 1500 rpm



G - Specifications

Transmission - Manual

Tremec T 56 six speed transmission

Gear Ratios

1st	2nd	3rd	4th	5th	6th	Reverse
2.66:1	1.78:1	1.30:1	1.00:1	0.79:1	0.62:1	2.9:1

Transmission - Automatic

ZF 5HP-30 five speed automatic transmission with manual gearshift control using the special selector lever or steering wheel mounted gear shift buttons.

Gear Ratios

1st	2nd	3rd	4th	5th	Reverse
3.55:1	2.24:1	1.54:1	1.00:1	0.79:1	3.68:1

Final Drive

GKN Powerlock limited slip differential.

Ratios	Manual = 4.09:1	Auto = 3.06:1
--------	-----------------	---------------

Steering

Rack and pinion power-assisted steering. 2.76 turns lock to lock.

Column tilt and reach adjustments.

Turning Circle	Kerb to Kerb - 11.4 metres
	Wall to Wall - 11.8 metres

Toe-In	0° + 5' front, 0° 12' ± 6' rear
	(at half laden ride height of 137 mm front, 141 mm rear)

Suspension

Front - Independent double-wishbone, coil springs, monotube dampers and anti-roll bar.

Rear - Independent double-wishbone (driveshaft and lower link), longitudinal control arms, coil springs and mono-tube dampers.

Brakes

Teves Mk 20 anti-lock braking system with traction control.

Front - Geomet coated 355 mm diameter grooved steel discs with four pot calipers and Pagid RS4-2-1 pads.

Rear - Geomet coated 330 mm diameter grooved steel discs with four pot calipers and Textar pads and integral drum handbrake.

Towing

The DB AR1 is not engineered to tow any form of caravan or trailer.

No towing devices are approved for fitting to the vehicle, other than the front towing eye to aid roadside recovery or loading of the car onto a transporter.

G - Specifications

Wheels and Tyres

Normal Use

Unique Aston Martin 5 spoke aluminium alloy wheels, 8Jx18 front and 9Jx18 rear.

Front - Pirelli P Zero Rosso 225/40/18

Rear - Pirelli P Zero Rosso 275/35/18

Tyre Grade Spec. USA - Treadwear 140, Traction A, Temperature A.

Tyre Pressure:

Front and Rear: 2.7 bar 270 kPa 39 psi

Spare Wheel (if fitted)

115/85 R18

Tyre Pressure: 4.1 bar 414 kPa 60psi

Winter Wheels and Tyres

WARNING: Maximum speed with winter tyres is 210 kph (130 mph)

Four standard DB AR1 front wheels (8J x 18). Fitted with Pirelli 235/40 Winter 210 tyres.

This wheel tyre combination should be fitted to both axles and may be fitted with DB AR1 snow chains.

Winter Tyre Pressures: 2.5 bar 250kPa 37psi

Exterior Features

- Laminated front windscreen with heating element
- Heated and electrically operated powerfold rear view door mirrors
- Electrically operated door windows

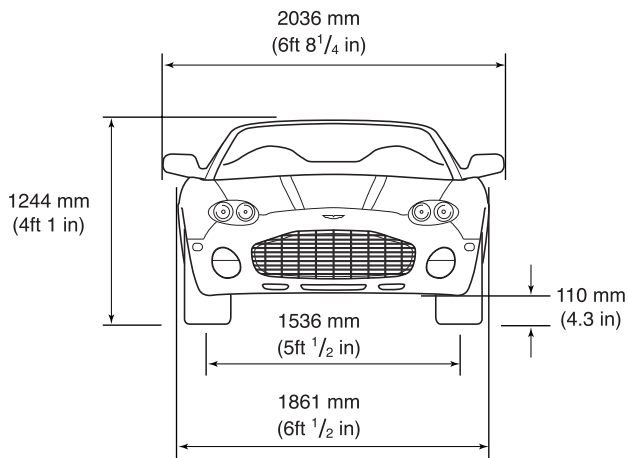
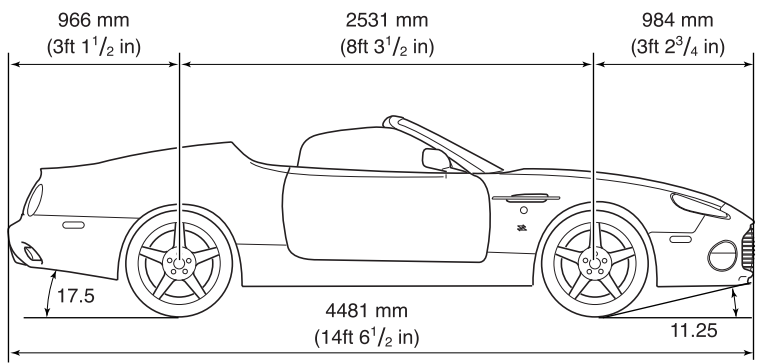
Interior Features

- Hand-crafted leather trim
- Optional interior trim details: Oak, Elm, Walnut, Maple, Carbon Fibre and body colour painted
- Electrically operated front seats
- Air-conditioning
- Six speaker stereo radio cassette
- CD autochanger
- Megamos alarm system interacting with the central locking system
- PATs security immobiliser system

G - Specifications

Lights	Rating	Type
Headlight dip beam(USA)	55W	H1
Headlight dip beam (ROW)	55W	H1 Philips Blue Vision
Headlight main beam	55W	H3
Front fog lights	27W	880X
Front Indicators	30W	3757AK (not USA)
Front Indicators	8W	3457AK (USA)
Rear indicators	21W	P21W
Rear fog lights	21W	P21W (not USA)
Reversing lights	21W	P21W
Stop lights (USA)	21W	P21W
Stop/Rear lights	21/5W	P21/5W
Rear lights (USA)	5W	C5W
Number plate lights	5W	C5W
Front indicator repeater	5W	WSW
Front side light	5W	W5W Clear
Interior lights	10W	C10W
Map light	5W	5W Halogen
Rear interior lights	3W	W3W
Boot light	5W	W5W
Side marker lights	3W	W3W

Exterior Dimensions and Clearances



G - Specifications

Interior Dimensions

Shoulder Room	1410mm	(55.5 in)
Hip Room	1331mm	(52.4 in)
Effective Legroom	1107mm	(43.5 in)

Weights

Kerb weight (Manual)	1858 kgs	(4096 lbs)
Kerb weight (Automatic)	1910 kgs	(4211 lbs)
Gross vehicle weight (Manual)	2158 kgs	(4758 lbs)
Gross vehicle weight (Automatic)	2210 kgs	(4873 lbs)

Capacities

	Europe	UK	USA
Engine sump (incl. filter)	11 litres	(20.0 pints)	(11.5 Qts)
Engine sump (excl. filter)	10 litres	(18 pints)	(10.3 Qts)
Engine cooling system	14.35 litres	(25.25 pints)	(15.2 Qts)
Screen washer reservoir	2.8 litres	(5.0 pints)	(3.2 Qts)
Manual gearbox	4.0 litres	(7.0 pints)	(4.2 Qts)
Automatic gearbox	12.8 litres	(22.5 pints)	(13.5 Qts)
Final drive	1.6 litres	(2.8 pints)	(1.7 Qts)
Fuel tank	82 litres	(18 galls)	(21.5 galls)

Note: Approximately 7 litres of the total fuel capacity specified above is required to prime the fuel system and is therefore not usable.

G - Specifications

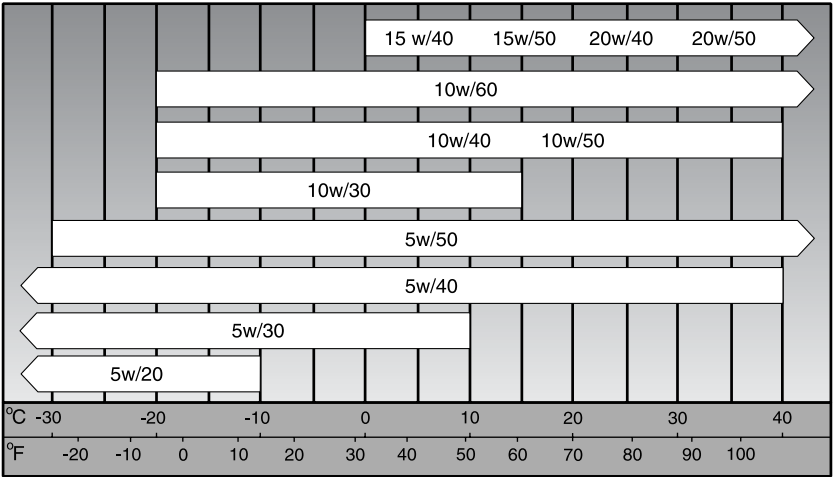
Recommended Fluids

Engine oil (Initial fill)	Mobil 1 0w-40 Europe (0w-30 USA)
Engine oil	API SJ/CF, ACEA A3/B3 OR ILSAC GF2
	Mobil 1 recommended
Engine coolant	60% water, 40% Havoline OAT
	<i>Do not mix OAT with glycol based antifreeze</i>
Manual gearbox oil	Texaco 1863, Transam 7045, Mobil ATF or Dexron III
Auto transmission fluid	Esso LT 71141
Final drive oil	Shell spirax super 90 TS or Mobilube SHC LS
Brake/Clutch fluid	Mobil Universal Brake Fluid
Power steering fluid	Mobil ATF or Dexron III
A/C refrigerant	R134A (HFC134A)

Engine Oil

Synthetic oils must conform to API SJ/CF standards. Preferably with ACEA A3/B3 and ILSAC GF2. The chart below gives oil grades for average ambient temperatures and applies to both mineral and synthetic oils.

Caution: To achieve the desired high performance of synthetic lubricants, do not mix with mineral oils.



Contents

Service Bulletin/Field Action/Recall Record 2-A-2

Service Bulletin/Field Action/Recall Record 2-A-3

Service Schedules Summary 2-A-4

Pre-delivery Inspection 2-A-5

Service Schedules 2-A-7

Service Records 2-A-10

Vehicle Identification 2-A-10

Pre-delivery Inspection 2-A-10

A - Service Schedules

Service Bulletin/Field Action/Recall Record

[illegible]

A - Service Schedules

Service Bulletin/Field Action/Recall Record

[illegible]

A - Service Schedules

Service Schedules Summary

Your DB AR1 should be serviced every 12,000 km (7,500 miles) or 6 months, whichever occurs first. The service schedules cover:

Pre-delivery Inspection (PDI)

This free series of checks is carried out on the car by the Selling Dealer before delivery. The checks ensure that you receive a vehicle which matches the high quality standards set by Aston Martin Lagonda Limited.

Initial 1,500km (1,000 mile) Service

The Selling Dealer is responsible for the costs and work involved in performing this free service. The initial service consists of an inspection and oil change service after completion of the first 1,500 km (1,000 miles) and includes fine adjustments to compensate for initial 'bedding-in' e.g. handbrake adjustment. Also, engine oil and filter will be changed to clear any contaminants picked up during the initial running.

12,000 km (7,500 mile) Service

This is the basic service interval for DB AR1 when consumable oils, filters, etc will be changed and functional checks will be carried out on all major systems in the vehicle.

24,000 km (15,000 mile) Service

In addition to the 12,000 km (7,500 mile) service items, air filters, wiper blades etc. are renewed at 24,000 km (15,000 mile) intervals.

48,000 & 96,000 km (30,000 & 60,000 mile) Services

Again the basic 12,000 km (7,500 mile) service is carried out together with the additional checks and replacement items shown in the following schedules.

2 Years

To maintain the hydraulic brake system performance, the brake fluid is renewed every 2 years to clear the system of absorbed water vapour.

Pre-delivery Inspection (PDI)

Before you receive your DB AR1, it will undergo a comprehensive pre-delivery inspection at the Dealer's premises to ensure that it meets Aston Martin's quality standards. The following checks will be made:

Levels and Leaks

- Engine oil
- Power steering oil
- Brake Fluid
- Clutch fluid (manual only)
- Engine coolant level
- Engine coolant specific gravity
- Windscreen washer fluid
- Fuel system
- Gearbox oil/Auto transmission fluid
- Rear axle oil - Differential
- Battery

Mechanical Functions

- Auto transmission
- Selection and P & N functions
- Manual gear selection
- Clutch operation (manual only)
- Throttle pedal operation
- Parking brake operation
- Steering column adjustment and lock operation
- Seat adjuster rails
- Bonnet (Hood) release and catch
- Door operation and locks
- Storage compartments
- Rear view mirror

Wheels and Tyres

- Road wheel nuts
- Tyre pressures
- Front wheel tracking

Electrical Checks

- Battery condition
- Heated windscreen
- Windscreen washers
- Windscreen wipers
- Air-conditioning controls
- Gauges and warning lights
- Radio/Cassette/CD player
- Navigation (where fitted)
- All speakers
- Electric aerial
- Inertia switch
- Window mechanisms
- Side and headlights (main and dip)
- Front fog lights
- Rear fog lights (where fitted)
- Hazard warning lights
- Instrument illumination and dimmer
- Air conditioning panel illumination
- Auto Trans. PRNDL illumination
- Horns
- Interior/map lights
- Cigar lighter
- Seat adjustment - all functions
- Door mirror adjustments
- Reset clock (if necessary)
- Door / boot courtesy lights
- Central locking system
- Filler flap lock operation
- Seat belt operation
- Seat belt warning system
- Security system / Remote control
- Clutch pedal start inhibit
- Interrogate DTC codes (not N. America)
- Record battery open-circuit voltage

A - Service Schedules

Road Test

Engine
Clutch (manual only)
Manual transmission
Auto transmission
Rear axle differential
Steering
Brakes
Wheel balance
Dampers
Noise vibration or harshness
Air conditioning performance
Instruments operation
Seat belt and buckle operation
Steering wheel alignment
Traction control

Final Checks

Drive belt tensions
Fuel / brake pipe security
Fuel / fluid leaks
Cooling systems hose security
Exhaust catalyst security

Hand-over Preparation

Assemble / Check function of all keys and key fobs
Clean bodywork
Clean off all transit labels
Valet Vehicle
Degrease windscreen
Fit carpets
Remove interior protection
Check Owner's Guide/Quick Guide
Check tools
Install license plates

Service Schedules

The following service schedules are recommended for DB AR1. The schedules may be modified if necessary. Please consult your Aston Martin Dealer for details of any service schedule updates.

Road Test Evaluation

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
x	x	x	Pre-Maintenance Road Test Evaluation

Fluids Filters and Leaks Checks

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
x	x	x	Renew the engine oil
x	x	x	Renew the engine oil filter
x	x	x	Check for engine oil leaks
-	-	x	Renew the air cleaner elements
x	x	x	Check auto transmission for leaks
x	x	x	Check man. gearbox for leaks. Top-up if necessary
-	-	x	Renew rear axle oil
x	-	-	Check / top-up rear axle oil
-	x	-	Check rear axle for leaks, top up if necessary
-	-	30000	Renew engine coolant - check S.Gravity
x	x	x	Check/top-up engine coolant
x	x	x	Check cooling and heating systems for leaks
-	-	60000	Renew fuel filters
x	x	x	Check for fuel leaks
Every 2 years	30,000 miles		Renew brake fluid
x	x	x	Check / top-up brake fluid reservoir
x	x	x	Check / top-up clutch fluid reservoir
x	x	x	Check / top-up power steering reservoir
x	x	x	Check power steering system for leaks
x	x	x	Check brake hoses, pipes and unions for leaks
x	x	x	Check suspension dampers for leaks
x	x	x	Top-up windscreen washer reservoir
x	x	x	Check exhaust system for leaks
x	x	x	Check air conditioning system for leaks

A - Service Schedules

Mechanical Function Checks

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
-	x	x	Lubricate all door locks and hinges
-	x	x	Grease all points excluding hubs
x	x	x	Check / adjust all drive belt tensions, renew if necessary
x	x	x	Lubricate handbrake links and cables
x	x	x	Check handbrake security
-	-	30,000	Check condition of handbrake shoes
-	x	x	Inspect brake pad wear and condition of discs
-	x	x	Check and renew wiper blade inserts if necessary
-	-	30000	Renew wiper blades
-	-	30000	Clean out engine and A/C radiators
x	x	x	Check condition and operation of all seat belts
x	x	x	Check security of exhaust system mountings
x	x	x	Check brake hoses, pipes and unions
x	x	x	Check power steering pipes and unions for corrosion and mechanical defects
-	-	x	Check security and condition of fuel hoses
x	x	x	Check cooling system hoses security and condition
x	-	-	Check air conditioning hoses security and condition
x	x	x	Check condition and security of steering unit joints and gaiters
x	x	x	Check security and condition of suspension fixings
-	-	x	Check tightness of propshaft and driveshaft bolts
x	x	x	Check interior rear view mirror for security and function
-	-	x	Check the condition of underbody protection

Electrical Function Checks

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
-	-	45,000 ml	Renew spark plugs
-	-	x	Check / top-up battery electrolyte
x	x	x	Clean and grease the battery connections

A - Service Schedules

x	-	x	Check and if necessary adjust headlight alignment
x	x	x	Check operation of all lights
x	x	x	Check operation of ABS warning lamp
x	x	x	Check operation of all warning indicators
x	x	x	Check audible warnings including security system
x	x	x	Check operation of the horns
x	x	x	Check operation of the windscreen wipers
x	x	x	Check operation of the windscreen washers
x	x	x	Clean the radio aerial mast
x	x	x	Check exterior rear view mirrors for security and function
x	x	x	Interrogate DTC P codes (not N. America)
x	x	x	Check man. transmission cooling pump (PDU)

Wheels and Tyres Checks

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
x	x	x	Check for correct tyre size, type and rotation
x	x	x	Check and report tyre tread depth
x	x	x	Check tyres for uneven / excessive wear or damage
x	x	x	Check / adjust the tyre pressures(including spare) to comfort or high speed pressures as required
x	x	x	Check torque of road wheel nuts
x	x	x	Check road wheel rims for inner and outer damage

Final Checks

1000mls	7500mls	15000mls	
1500km	12000km	24000km	
3 months	6 months	12 months	
-	x	x	Degrease windscreen
x	x	x	Carry out road test
x	x	x	Check ABS and Traction Control operation
x	x	x	Check operation of all seat belts and buckles
x	x	x	Check that fuel filler bowl rain drain is clear

A - Vehicle Identification and Pre-Delivery Inspection

Service Records

The following service records cover the Pre-Delivery Inspection, the Initial 1500km (1000 mile) service and then the regular services at 12000 kilometres (7500 miles) (6 months) intervals.

The conversions between kilometres and miles have been rounded to the nearest 1,000 km or 500 miles for convenience.

Vehicle Identification

Vehicle Identification Number: _____

Date of Delivery: _____

Pre-delivery Inspection

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the free Pre-delivery Inspection as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

Free

1,500 km (1,000 mile) (3 months) Initial Free Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the free 1500 km (1000 mile/3 months) service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

Free

12,000 km (7,500 mile) (6 months) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 12,000 km (7,500 mile) (6 months) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

24,000 km (15,000 mile) (12 months) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 24,000 km (15,000 mile) (12 months) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

36,000 km (22,500 mile) (18 months) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 36,000 km (22,500 mile) (18 months) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

48,000 km (30,000 mile) (2 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 48,000 km (30,000 mile) (2 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

60,000 km (37,500 mile) (2.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 60,000 km (37,500 mile) (2.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

72,000 km (45,000 mile) (3 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 72,000 km (45,000 mile) (3 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

84,000 km (52,500 mile) (3.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 84,000 km (52,500 mile) (3.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

96,000 km (60,000 mile) (4 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 96,000 km (60,000 mile) (4 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

108,000 km (67,500 mile) (4.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 108,000 km (67,500 mile) (4.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

120,000 km (75,000 mile) (5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 120,000 km (75,000 mile) (5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

132,000 km (82,500 mile) (5.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 132,000 km (82,500 mile) (5.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

144,000 km (90,000 mile) (6 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 144,000 km (90,000 mile) (6 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

156,000 km (97,500 mile) (6.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 156,000 km (97,500 mile) (6.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

168,000 km (105,000 mile) (7 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 168,000 km (105,000 mile) (7 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

180,000 km (112,500 mile) (7.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 180,000 km (112,500 mile) (7.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

192,000 km (119,500 mile) (8 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 192,000 km (119,500 mile) (8 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

204,000 km (127,000 mile) (8.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 204,000 km (127,000 mile) (8.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

216,000 km (134,500 mile) (9 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 216,000 km (134,500 mile) (9 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

228,000 km (142,000 mile) (9.5 years) Service

This voucher is stamped and dated by your Aston Martin Dealer to certify completion of the 228,000 km (142,000 mile) (9.5 years) Service as detailed in the current DB AR1 Service Schedule.

Date:

Odometer:

Tech Guild No.:

Dealer Stamp

Contents

Aston Martin Warranty	3-A-2
Warranty Limitations	3-A-3
European Emergency Service	
Aston Martin European Emergency Service	3-B-1
What to do in an Emergency	3-B-2
Emergency calls within the UK	3-B-3
Emergency calls within Europe	3-B-3
European Emergency Service Coverage	3-B-4
European Emergency Service Benefits	3-B-4
What is not Covered	3-B-7

A - Warranty

Aston Martin Warranty

The following is an extract from the Aston Martin Warranty document and is included for general information only. Please consult your Warranty document for the specific conditions relating to your vehicle.

Aston Martin Lagonda Limited (hereinafter called 'the Company') gives a Warranty for each new Aston Martin motor car and each replacement car or assembly manufactured or supplied by the Company to be free from defects in material or workmanship under normal use and service for the applicable Warranty period mentioned below.

The Warranty Period for a new Motor Car is two years (unlimited mileage) after delivery to the first Registered Owner.

The Warranty Period for replacement parts and assemblies is 90 days after delivery of such parts to the original purchaser for use, or until the date of expiry of the Warranty Period for the motor car whichever is longer.

Franchise Holders and/or Approved Repairers who are appointed and receive full technical support from the Company, provide facilities for the servicing and repair of Aston Martin motor cars. Only such Franchise Holders or Approved Repairers will, under the terms of this Warranty, repair, replace, or readjust, free of charge to the owner, any part or assembly which is proved to the Company's satisfaction to show a defect in either materials or workmanship within the applicable period. Any work carried out either wholly or in part by other persons or organisations whether a principal or agent, shall not be covered by the terms of this Warranty.

Should a defect occur within the applicable period then a Franchise Holder or the Company's Works Service Department should be consulted immediately and arrangements made for the delivery of the motor car to the Franchise Holder's or the Company's premises.

Warranty Limitations

The benefit of the Warranty is subject to the following terms and conditions:

1. No part shall be fitted other than the Company's approved parts.
2. Repairs or replacements due to fair wear and tear, misuse or negligence are not covered by this Warranty.
3. The Aston Martin car shall not have been used, maintained, altered, repaired or adjusted otherwise than in accordance with the instructions given in the proper technical publications, subject to accident damage nor in a manner in which, in the opinion of the Company, would prejudice the reliability of the Aston Martin motor car.
4. The Company's written maintenance schedule should have been carried out at the intervals prescribed therein.
5. The Aston Martin motor car shall not have taken part in any road or track racing events, reliability trials, hill-climbing or speed tests or other competitions of a similar nature, and shall not have been used for commercial service or hire except with the written consent of the Company.
6. The Aston Martin motor car or parts shall not have been altered or modified or the manufacturer's identification number or mark been changed or removed.
7. The Aston Martin motor car shall not at any time have been used for the purpose of towing caravans, boats or trailers.
8. The part or assembly shall not have been fitted other than by the Company or its Franchise Holders or Approved Repairers.

A - Warranty

The owner is responsible for the costs of maintenance service, seasonal schedules and routine adjustments and all replacement parts and other materials used in these schedules and adjustments.

The Warranty is issued to the first owner of the motor car and may be transferred to subsequent owners by application to the Company's Warranty Department, but the terms of Warranty in no way affects the rights derived by the owner from his contract with the person selling the Company's products.

The construction and legal effect of the Warranty shall be determined in accordance with the Laws of England. All disputes arising out of the Warranty shall be referred to arbitration in London, England under the provisions of Arbitration Act, 1950, or any statutory modification or re-enactment thereof.

In the event of any conflict or inconsistency between the terms and conditions of the Warranty document and the terms and conditions described in this Owner's Guide, the terms and conditions of the Warranty document shall prevail.

Aston Martin European Emergency Service

As the owner of an Aston Martin vehicle you should enjoy a high standard of trouble free motoring. Should the unexpected occur however, our worldwide dealer network is there to help you. Details and contact telephone numbers are shown in the Dealer Directory.

In the UK and Europe, a special additional emergency service has been designed to provide you and your passengers with the help you need quickly and efficiently.

Your Aston Martin European Emergency Service policy documents specify the cover available which may include:

- Roadside Recovery
- Home Assistance
- Vehicle Recovery
- Garage Storage
- Hotel Accommodation
- Car Hire
- Vehicle Repatriation
- Parts Delivery
- Customs Duty
- Get You Home Costs

B - Assistance

What To Do In An Emergency

Should assistance be required in the unlikely event of vehicle immobilisation, simply contact Aston Martin European Emergency Service using the relevant emergency telephone number from the following list. For countries not listed, use either of the U.K. numbers.

Immobilisation is defined as:

Mechanical or electrical breakdown, road traffic accident, vehicle fire or theft, loss of keys, punctures or running out of fuel.

Vehicle Identification and Location

To minimise delay, please have the following information available:

- Your name
- Aston Martin model
- The vehicle identification number (i.e. The last six digits from the VIN number label in the corner of the windscreen)
- The location of the vehicle
- Vehicle registration number and colour
- Telephone number where you can be contacted
- Description of the concern experienced

Emergency Telephone Numbers

Please call your toll-free country number when requiring assistance within your own country.

When outside your own country, call the normal toll line for assistance in your own language.

Normal Country of Residence	Toll Free Lines - For assistance when inside your Country of Residence	Toll Lines - For assistance in your own language when outside your Country of Residence
U.K.	0800 777 160	00 44 208 603 9875
Germany	0800 88 99 777	00 49 611 7320 304
France	0800 108 000	00 33 1 49 93 81 68
Spain	0900 152 337	00 34 91 452 29 42
Italy	0800 017 944	00 39 02 26609 857
Belgium	0800 14 524	00 32 2 773 62 66
Netherlands	0800 27866007	00 31 20 851 2269
Switzerland	0800 278 666	00 41 1 283 35 86

B - Assistance

European Emergency Service

The Aston Martin European Emergency Service is manned by multi-lingual staff 24 hours a day, 7 days a week. By telephoning our personnel, all arrangements will be made on your behalf, within the terms of the assistance programme.

Please do not make your own arrangements, then expect Aston Martin European Emergency Assistance to reimburse you, this is not the role of the Emergency Service.

Where you are Covered

- If you are a permanent resident in Continental Europe, you are covered in the countries as defined below
- If you move permanently to another country within Continental Europe during your period of cover, your entitlements remain the same. Ensure you notify your Aston Martin Dealer
- Should you move permanently outside the area defined as Continental Europe, your cover will expire after 30 days

Continental Europe is defined as:

Andorra, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Gibraltar, Greece, Hungary, Italy, Liechtenstein, Luxembourg, Monaco, Netherlands, Norway, Poland, Portugal (not Madeira), Republic of Ireland, Romania, San Marino, Slovakia, Slovenia, Spain (including the Balearic Islands and Canary Islands), Sweden, Switzerland, Turkey (European part), and Vatican City.

The United Kingdom is defined as England, Scotland, Wales and Northern Ireland.

Benefits

Roadside Recovery and Home Assistance

In the event of vehicle immobilisation Aston Martin European Emergency Service will organise and pay for the costs of taking your Aston Martin to the nearest Aston Martin Dealership, should assistance at home or at the roadside prove unsuccessful.

Vehicle Recovery

In the event of vehicle immobilisation where your vehicle cannot be repaired within 4 working days, Aston Martin European Emergency Service will repatriate your Aston Martin to the Aston Martin Dealership nearest your planned destination or home address.

Vehicle Collection After Repair

Following repairs organised by Aston Martin European Emergency Service, the cost of a first class rail ticket or (if rail transport would normally exceed 6 hours) a business class air ticket will be met to permit you or a person you designate to collect the repaired vehicle.

B - Assistance

Get You Home/Hotel Accommodation

Should your Aston Martin not be repaired the same day, Aston Martin European Emergency Service will organise and pay for the following:

- a) First class rail transport, or, if rail transport would normally exceed 6 hours, scheduled business class air transport to enable you and your passengers to return to your homes in the country of vehicle registration or to continue your original journey.
- b) A contribution towards hotel accommodation from the first day of immobilisation. The maximum payable will be £100 per person per day up to 2 days for hotel accommodation in the country of vehicle registration or up to 7 days hotel accommodation elsewhere in Continental Europe.

Car Hire

If, despite Roadside or Home Assistance, your Aston Martin cannot be repaired the same day, Aston Martin European Emergency Service will contribute towards the costs of a temporary replacement vehicle during the time your vehicle remains immobilised.

The maximum payment under this section is £200 with a limit of £100 per day in the country of registration or £400 with a limit of £100 per day elsewhere in Continental Europe. You will be required to satisfy the requirements of the vehicle hiring company. These requirements may include:

- Production of your current valid driving license
- Taking up Collision Damage Waiver (CDW) insurance, or taking up the hire vehicle liability on your own insurance, as required by the hirer.
- Returning the loan car to the supplier with a full tank of fuel or paying to have the fuel tank replenished by the hirer.

European Autoroute Restrictions

If assistance is required on a French Autoroute or on certain Autoroutes in other European countries, you must use the official SOS boxes at the side of the road in order to arrange initial assistance or recovery. You will be connected to the authorised Autoroute Assistance Service because these roads are privatised. Neither Aston Martin European Emergency Service or any other assistance organisation are allowed to assist on these roads.

Once your Aston Martin has been recovered from the Autoroute, you should contact Aston Martin European Emergency Service at the earliest opportunity to ensure that any further assistance arrangements you require can be made on your behalf.

Aston Martin European Emergency Service will advise you how to reclaim costs incurred for recovery from the Autoroute.

What is not Covered

Aston Martin European Emergency Service is thorough and comprehensive, however, claims cannot be met as a result of any of the following:

1. Where you, or anyone else acting on your behalf, make repair or service arrangements without authorisation (and a file number) from Aston Martin European Emergency Service.
2. Where loss, injury, damage, illness, death or legal liability have been caused by the following:
 - a) Your property being held, taken or destroyed or damaged under the order of any government or customs officials.
 - b) Ionising radiation or radioactive contamination from nuclear fuel or nuclear waste or any risk from nuclear equipment.
 - c) The radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

B - Assistance

3. Loss, destruction or damage directly occasioned by pressure waves caused by aircraft and other aerial devices travelling at sonic or supersonic speeds.
4. Motor racing rallies, speed or duration tests or practice thereof.
5. Damage or injury intentionally caused by you or resulting from your participation in a criminal offence.
6. Loss, damage (directly or indirectly) occasioned by, or happening through or in consequence of war, invasion, acts of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection, military or usurped power, riot or civil commotion.
7. Your Aston Martin being kept in an unroadworthy condition or not being serviced in accordance with the Manufacturer's recommendations.
8. Any costs that would have been payable by you, such as petrol or toll charges.

Contents

Aston Martin Lagonda - Dealer Directory..... 4-A-2

United Kingdom..... 4-A-3

Europe.....4-A-15

United States.....4-A-28

Canada.....4-A-41

Middle East..... 4-A-43

Australia..... 4-A-48

New Zealand..... 4-A-51

Far East..... 4-A-52

Dealer Directory

Aston Martin Lagonda - Dealer Directory

This section lists all Aston Martin Lagonda Dealers worldwide, where Sales and Service are provided by companies with the facilities, knowledge and factory trained personnel.

The information contained was compiled in December 2002. Whilst every effort is made to ensure accuracy, changes amongst holders of the Aston Martin Lagonda franchise may occur. Neither Aston Martin Lagonda Limited nor any listed Importer or Dealer shall in any circumstances be held liable for any inaccuracy, or the consequences thereof.

Dealers listed here all aim to conform to Aston Martin Lagonda standards of excellence in both Sales and Service. However, all cars sold as Aston Martins or Lagondas are required to meet local legislation requirements. Should you require service in a country other than that in which your car was originally purchased, every effort will be made to meet your needs, but the availability of certain parts may be affected by differences in car and component specifications. If the nearest Dealer is unable to help, you should contact the factory, the address of which is shown at the beginning of the directory listing.

Aston Martin Lagonda Dealers are independent traders, they are not the Company's Agents, and therefore have no authority to bind the Company or to enter into any financial or other commitments on the Company's behalf.

Only Aston Martin Lagonda Dealers are authorised to carry out warranty work.

Buckinghamshire

ASTON MARTIN LAGONDA LIMITED

WORKS SERVICE

Tickford Street

Newport Pagnell

MK16 9AN

Telephone	(+44) (0)1908 619264
Facsimile	(+44) (0)1908 216439
Web Site	www.astonmartin.com
E-Mail	service2@astonmartin.com

Berkshire

LANCASTER READING

Bennet Road

Reading

Berkshire

RG2 0QX

Telephone	(+44) (0)118 9658500
Facsimile	(+44) (0)118 9658501
Web Site	www.lancasterplc.com/reading/astonmartin
E-Mail	astonmartin@reading.lancasterplc.com

United Kingdom

Cheshire

STRATSTONE OF WILMSLOW

Water Lane

Wilmslow

SK9 5BQ

Telephone (+44) (0)1625 548802

Facsimile (+44) (0)1625 526873

Web Site www.stratstone.co.uk

E-Mail sales@stratstone.co.uk

Service Department

Stratstone of Wilmslow

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Index

A

ABS Warning Light	1-C-22
Adjustments Before Driving	1-A-7
Air Conditioning System	1-D-2
Defrost	1-D-6
Door Mounted Vents	1-D-4
Face Level Vents	1-D-3
Fan Speed Control	1-D-5
Heating/Cooling	1-D-2
Internal Air Flow	1-D-3
Mode Switch	1-D-6
Temperature Control	1-D-5
Temperature Differential Control	1-D-9
Ventilation	1-D-3
Airbags	
Child Seats - Passenger Airbags	1-A-20
Alarm	
Key Fob	1-A-3
Locking the DB AR1	1-A-4
The Security System	1-A-3
Turning off the Alarm	1-A-4
Turning on the Alarm	1-A-4
Unlocking the DB AR1	1-A-4
Anti-Lock Braking System (ABS)	1-C-21
Ashtray	1-B-22
Automatic Locking Retractors	1-A-15

B

Battery	
Battery Conditioner	1-F-33
Battery Disconnect Switch	1-F-32
Electrical Start from Another Vehicle	1-F-36
Quiescent Battery Drain	1-F-31
The Battery Reconnect Switch	1-F-35
Boot (Trunk) Lock Control	1-E-6
Brake System Warning Light	1-C-22
Brake Warning Indications During Driving	1-C-21
Braking Systems	1-C-19
Bulb and Fuse Replacement	1-F-42

Index

C

Care and Maintenance of Seat Belts	1-F-57
Catalytic Converters	1-C-4
Child Safety Seats	
Child Seats and Passenger Airbags	1-A-20, 1-A-21
Warnings	1-A-19
Clock	1-B-17
Column Switchgear	
Left Hand Stalk	1-B-12
Right Hand Stalk	1-B-14
Console Mounted Controls	1-B-16

D

Door Edge Lights	1-F-52
Door Locks	1-A-5
Door Sealing	1-A-5
Driving in Wet Conditions	1-C-9

E

Electric Window Reset Procedure	1-F-52
Electrics	
Battery	1-F-30
Engine Bay	1-F-6
Engine Coolant Temperature Gauge	1-B-11
Engine Immobiliser	1-A-4

F

Fluid Level Checks	1-F-4
Brake Fluid Reservoir	1-F-11
Clutch Hydraulic Fluid Reservoir	1-F-9
Engine Oil Level	1-F-7
Power Steering Reservoir	1-F-10
Footbrake	1-C-19
Front Indicator Lights / Front Parking Lights	1-F-47
Front Interior Lights	1-F-51
Fuel	1-C-2
Fuel Cut-Off Switch	1-C-8
Fuel Filler Cap	1-C-3
Fuel Filling	1-C-3
Fuel Gauge	1-B-10
Fuse Boxes	1-F-38
Fuse Lists - Right Hand Drive	1-F-39

G

Gear Changing - Manual Transmission	1-C-10
Gear Changing - Touchtronic Transmission	1-C-11
Gearbox Functions	1-C-16
General Information	Forward-vii
Maintenance and Servicing	Forward-viii
Safety Information	Forward-vii
Vehicle Identification	Forward-ix
Glossary of Terms	Forward-xii

H

Handbrake	1-C-23
Hazard Warning Lights	1-B-19
Headlamp Ventilation	1-F-53
Headlight Dipped Beam Bulb Replacement	1-F-44
Headlight Flashing	1-B-13
Headlight Main Beam Bulb Replacement	1-F-43

I

Ignition Lock	1-C-5
Information/Warning Lights and Instruments	1-B-4
Interior Door Handles and Locks	1-A-6
Interior Lights	1-B-24
Interior Mirror	1-A-14
Interior Storage	1-A-22

J

Jacking and Wheel Changing	1-F-22
----------------------------	--------

K

Kickdown	1-C-16
----------	--------

L

Lighting and Screen Heating Switches	1-B-18
Location of Components	Forward-xii
Locking the DB AR1	1-A-4
Locking the Doors when Inside The Car	1-A-6
Lockup	1-C-16

Index

M

Main and Dipped Beam Switching	1-B-13
Maximum Engine Speed	1-C-9
Mirrors	
Interior Mirror	1-A-13

N

Number Plate Lights	1-F-50
---------------------	--------

O

On Board Headlight Aiming	1-F-45
Owner Maintenance	1-F-2
Electronic Fuel Injection	1-F-2
Emission Warranty	1-F-3
Engine Compartment Covers	1-F-3
Parts and Lubricants	1-F-3

P

Passive Anti-Theft System	1-E-7
PATs Status	1-E-8
Starting the Engine	1-E-7
PATs Status	1-E-8

R

Rain Cover	1-A-7
Rear Interior Quarter Lights	1-F-51
Rear Lights	1-F-48, 1-F-49
Recommissioning After Storage	1-F-60
Regular Checks	Forward-xi
Each Day	Forward-xi
Monthly	Forward-xii
Weekly	Forward-xi
Reporting Safety Defects - ROW	Forward-x
Running-In	1-C-9

S

Seat Belt Fastening	1-A-14
Seat Belt Pretensioner	1-A-14
Seat Belt Warnings	1-A-16
Seat Belts	
Automatic Locking Retractors (ALR)	1-A-15
Care and Maintenance	1-F-57
Child Seat Removal (ALR System)	1-A-16

Seat Belt Fastening	1-A-14
Seat Belt Pretensioner	1-A-15
Securing a Child Seat (ALR System)	1-A-15
Special Warnings - Child Safety Restraints	1-A-19
Warnings	1-A-16
Seat Controls	1-A-12
Seat Heater	1-B-19
Security System	
Arming the Alarm	1-E-4
Disarming the Alarm	1-E-4
Full Alarm Activation	1-E-5
Operation	1-E-3
Panic Alarm	1-E-5
Passive Anti-Theft System (PATs)	1-E-7
System Protection	1-E-4
Unlocking the Car	1-E-4
Security Systems	1-E-2
Servicing Precautions	1-F-2
Dangerous Substances	1-F-5
Engine Oils	1-F-5
Fuel Tank Filling	1-F-5
Protecting The Environment	1-F-5
Side and Headlight Switching	1-B-13
Side Repeaters	1-F-48
Specifications	
Body	1-G-2
Brakes	1-G-5
Dimensions and Weights	1-G-9
Engine	1-G-2
Engine Oil	1-G-12
Final Drive	1-G-4
Interior Features	1-G-7
Lights	1-G-8
Performance	1-G-2
Recommended Fluids	1-G-12
Steering	1-G-4
Suspension	1-G-5
Transmission - Automatic	1-G-4
Transmission - Manual	1-G-4
Wheels and Tyres	1-G-6
Winter Tyre Pressure	1-G-6
Speedometer	1-B-11
Steering Column Controls	1-B-14
Steering Wheel	1-A-10
Rake	1-A-10

Index

Stopping the Engine	1-C-8
Storing the Car	1-F-58

T

Tachometer	1-B-10
The Vehicle Toolkit	1-F-18
Touchtronic Mode	1-C-14
Touchtronic Transmission Control	
Automatic Mode	1-C-14
Gearshift Inhibit	1-C-15
Minimum Upshift Speeds	1-C-15
Selector Lever	1-C-12
Sport or Touchtronic Mode	1-C-14
Steering Wheel Shift Buttons	1-C-13
Traction Control	1-B-20
Traction Control System	1-C-17
Traction Control Operation	1-C-18
Traction Control Warning Lamp	1-C-17
Turn Signals	1-B-12
Turning off the Alarm	1-A-4
Turning on the Alarm	1-A-4
Tyre Inflation Aerosols	1-F-19
Tyre Reinflation Procedure	1-F-20

U

Unlocking the DB AR1	1-A-4
US Uniform Tyre Quality Grades	1-F-16

V

Vehicle Cleaning	1-F-54
Aerial Care	1-F-57
Underbonnet Cleaning	1-F-57
Upholstery, Carpets, Seats and Seat Belts	1-F-56
Vehicle Recovery	1-F-26
Suspended Towing	1-F-28
Towing by Another Vehicle	1-F-29
Transporting and Towing	1-F-26
Voltmeter	1-B-10

W

Warning Light Indications	1-C-6
Warnings, Cautions and Notes	Forward-vi
Wheels and Tyres	
Running-In New Tyres	1-F-14
Tread Wear Indicators	1-F-15
Tyre Pressures	1-F-14
Tyre Service	1-F-14
Winter Tyres	1-F-16
Windows	
Window Switches	1-B-21
Windscreen Washer	1-B-15
Windscreen Washer Bottle	1-F-12
Windscreen Wiper Control	1-B-14
Windscreen Wiper Delay	1-B-14

