

General maintenance precautions

- Ensure that the vehicle is securely supported before working underneath it. Chock a front wheel and apply the handbrake.
 - Whenever possible use a suitable wheel-free lift when working beneath the vehicle. If a jack is used to support the vehicle, use axle stands carefully placed at the jacking points to provide a rigid support. Do not use any jacking equipment under the front cross member.
 - Ensure that adequate ventilation is provided when volatile degreasing agents are being used.
 - Never use volatile cleaning fluids under a vehicle standing over a pit. Many such fluids give off vapours which are heavier than air and dangerous to inhale.
 - Wear protective overalls, ensure loose clothing (ties, etc.) are removed or covered when working adjacent to moving components (fan belts, etc.).
 - Do not leave opened containers of oil, fuel, etc., about the work area. Always refit caps/seals to partially used containers when storing them for later use.
 - Do not leave tools, equipment, spilt oil, etc., around or on the work area.
 - Place a fire extinguisher close to the vehicle and disconnect the negative battery terminal.
- Note:** The radio code will be required on battery reconnection. Also the clock must be reset. The trip computer memories will be erased when the battery is disconnected.
- Do not use a naked flame to provide illumination, especially under the vehicle, or in the engine and luggage compartments. Do not smoke while working on the vehicle.
 - Do not apply heat in an attempt to free nuts or fittings. This will damage protective coatings and there is a risk of damage to electronic equipment and brake and fuel lines from conducted heat.
 - Inspect power leads of any mains electrical equipment for damage, and check that it is properly earthed.

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General precautions against damage

- When working in the engine compartment protect the exterior paintwork by using suitable covers over the wings and scuttle.
- To prevent soiling the interior, carry out jobs requiring access to the passenger or luggage compartments first. If a job involves access to the interior in the course of other work, prevent the transfer of oil and grease to the interior by using seat and carpet covers and wearing clean overalls and gloves.
If protective seat covers have been used they must be removed before the vehicle is driven on the public highway to ensure that, if needed, the side airbags can properly deploy.
- Always use a recommended service tool, where specified.
- Avoid spilling hydraulic fluid or battery acid on paintwork. Wash off with water immediately if this occurs.

Used Engine Oil



WARNING:
Prolonged and repeated contact may cause serious skin disorders, including dermatitis and cancer.

Always use a hand cream to protect the skin from oil contamination. Avoid contact with the skin as far as possible and wash thoroughly after any contact. Keep oils out of reach of children.

PROTECT THE ENVIRONMENT: It is illegal to pollute drains, water courses and soil. Use authorised waste collection facilities, including civic amenity sites and garages providing facilities for the disposal of used oil, oil filters and batteries. If in doubt, contact your Local Authority for advice on disposal.

Engine and throttle settings

Do not attempt to make adjustments to the engine or throttle settings. Many vehicle systems are controlled by complex electronic devices and require specialist knowledge. Such work should be entrusted to a Jaguar Dealer.

Battery/ignition isolator switches

Non-approved battery isolator switches, which disconnect the power supply to all electrical circuits, are not recommended.

Hydraulic fluid

The brake hydraulic fluid in the master cylinder and brake operating system uses non-mineral polyglycol based brake fluid with a minimum standard of JAGUAR SUPER DOT 4. ONLY FLUID OF THIS TYPE AND STANDARD MAY BE USED.



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

Hood release



WARNING:

Take care to keep away from rotating components if the engine is running when you open the hood.

Release the hood lock by pulling the lever below the fascia on the driver's side of the vehicle.

Lift up the hood with the left hand and with the right hand pull up the safety catch under the hood, located to the right of the grille. The gas filled struts will assist raising the hood, and retain it in the fully open position.

Note: Do not use the leaping Jaguar mascot as an aid to opening or closing the hood.

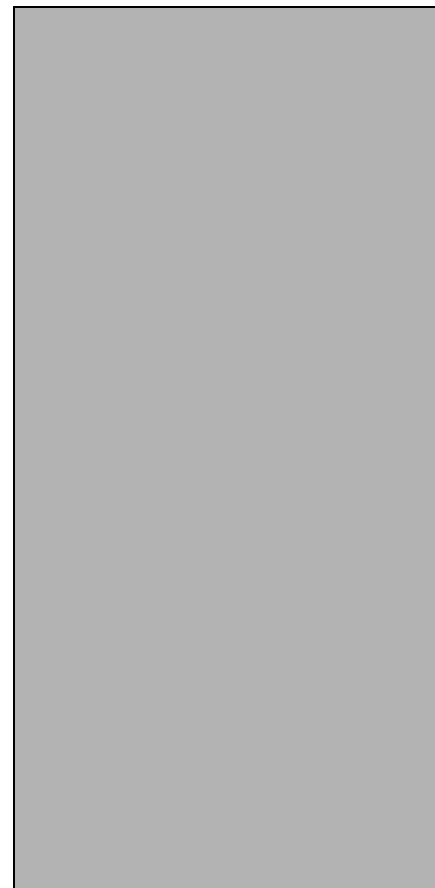
Hood closing



WARNING:

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

Close the hood to within a distance of 10 to 12 inches (250 to 300 mm) of the fully closed position, then let go to allow the hood to shut. Check by pulling the hood that both the right-hand and left-hand latches are engaged.



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Regular checks

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

Daily

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

Weekly

Tires – Check the tires, including the spare, for condition and pressure. Tire pressures are shown inside the front cover of this handbook.

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 replenish if necessary with oil of the correct grade.

Engine coolant – With the engine cold, check the level of the coolant in the coolant reservoir header tank. Any loss of fluid must be checked by a Jaguar Dealer.

Brake fluid – Check the level of the fluid in the brake fluid reservoir. Replenish if necessary with new, unused Jaguar approved brake fluid.

The reservoir is initially nearly full, but the level will drop as the brake pads wear. If the level appears unusually low, location of the fluid leakage must be checked by a Jaguar Dealer.

Power steering fluid – With the engine cold check the level of the fluid in the power steering fluid reservoir. Replenish if necessary with fluid of the correct specification. Any loss of fluid should be checked by a Jaguar Dealer.

Note: The automatic transmission (gearbox) unit is sealed for life and does not require checking or replenishing.

Monthly

Windscreen washer fluid – Replenish with recommended windscreen washer fluid and clean soft water. Check the operation of the washer. Use Jaguar Windscreen Washer Fluid to keep the glass clean and also to prevent the fluid from freezing during cold weather.

Wiper blades – Check the quality of the wipe. If smearing or juddering is evident, clean the windscreen and renew the wiper blades.

Reservoir and dipstick locations V6 engine

1. Power steering reservoir
2. Engine oil dipstick
3. Engine oil filler
4. Windscreen wash reservoir
5. Brake/clutch reservoir
6. Coolant reservoir

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Reservoir and dipstick locations V8 engine

- | | |
|-----------------------------|------------------------------|
| 1. Engine oil filler | 4. Windscreen wash reservoir |
| 2. Engine oil dipstick | 5. Brake reservoir |
| 3. Power steering reservoir | 6. Coolant reservoir |

Checking and replenishment

Check engine oil level

Check the oil level regularly with the vehicle on flat, level ground.

Refer to page 6-5 or 6-6 for dipstick and oil filler locations.

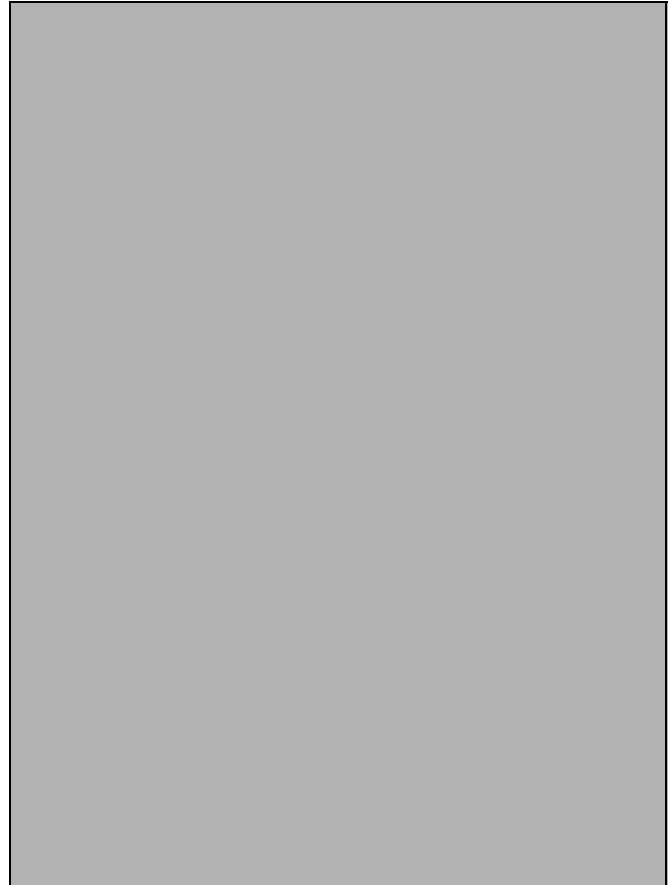
It is preferable to check the oil level after the vehicle has been standing, that is, with the engine completely cold.

If the engine has been started do not check the oil level until the engine has reached normal operating temperature. Stop the engine and wait for a minimum of two minutes to allow the oil to drain back into the sump.

Remove the dipstick (A) and wipe clean with a non-fluffy cloth. Replace fully, then withdraw the dipstick. If the oil level is above the lower of the two dots on the dipstick then no additional oil is required.

If the oil level reaches the lower of the two dots, remove the oil filler cap (B) and add oil, to the quantity and specification shown on the next page.

Refit the filler cap and hand tighten securely.



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Recommended Engine Oil

**4.0 litre V8 engines and
3.0 litre V6 Engines**

Oil Specification –

API SJ/EC and ILSAC GF2

When topping up between oil changes, make sure that you use oil that has the correct quality level (API service) and viscosity grade. Your vehicle's warranty may be invalidated if damage is caused by use of improper engine oil.

SAE Viscosity Rating

Recommended SAE Viscosity Range /
Ambient Temperature Scale

It is recommended that you use only approved engine oils to meet the SAE Viscosity Range/Ambient Temperature Scale shown below.

For maximum fuel economy, SAE 5W/30 oil of ILSA GF-2 quality is recommended.

To choose the correct viscosity grade, consider the temperature in which the vehicle is driven. The use of SAE 5W/30 is PREFERRED in most climate conditions, although SAE 10W/30 or 10W/40 oils are acceptable in moderate to hot climates.

When the oil level is at the lower dipstick mark, add 1 quart (1 litre) of oil.



Checking and replenishment (continued)

Check power steering fluid reservoir

Caution: It is imperative that the power steering system does not become contaminated in any way. Always dispense fluid from a fresh sealed container and clean the area around the reservoir neck both before and after replenishment. Never return drained fluid to the system.

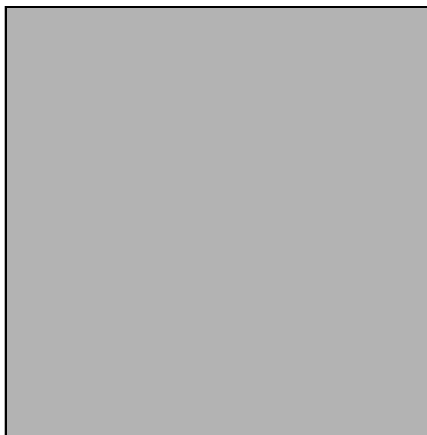
See page 6-5 or 6-6 for power steering fluid reservoir location.

Check through the sight window, that the fluid level is between the two marks.

If necessary, replenish with power steering fluid to specification

DEXRON III, DO NOT OVERFILL. Wipe clean and remove the filler cap from the reservoir; take great care to prevent any foreign matter from entering.

Should the level be very low, report the loss of fluid to the nearest Jaguar Dealer.



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Checking and replenishment (continued)

Check brake fluid reservoir

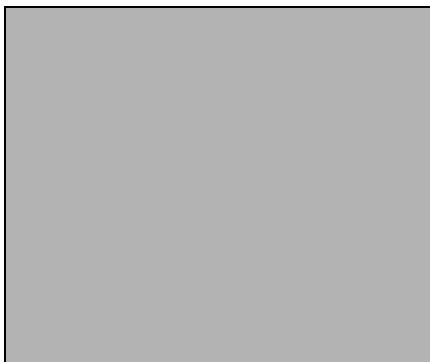


WARNING:

The fluid level will drop as the brake pads wear. If the level is very low report the loss of fluid to the nearest Jaguar Dealer. Do not drive the vehicle until the cause is rectified.

Caution:

1. While handling brake fluid, take extreme care; brake fluid must not contact the vehicle paintwork.
2. Always use fresh, clean fluid from a new container. Never introduce used brake fluid into the system.



See page 6-5 or 6-6 for the brake fluid reservoir location.

The fluid is visible through the translucent casing of the reservoir and must be maintained at the 'MAX' mark.

If necessary, replenish as follows:

1. Before removing the cap, clean the reservoir and cap thoroughly with a lint free cloth to ensure that no foreign matter enters the reservoir.
2. Unscrew the filler cap and replenish to the 'MAX' level using brake fluid to specification Jaguar Super DOT 4 (ESA-M6C25-A).
3. Refit the filler cap securely.

To avoid contamination should any brake fluid be spilt, replace the cap on the reservoir before cleaning the spilt fluid from the vehicle.

Checking and replenishment (continued)

Check windscreen washer/headlamp powerwash reservoir

See page 6-5 or 6-6 for windscreen washer reservoir location.

The washer reservoir contains the fluid for the windscreen washers and the headlamp powerwash system (where fitted).

Fill to just below the neck with specially formulated windscreen washer fluid diluted with clean, preferably soft water as specified in the instructions on the bottle. Specially formulated washer fluids contain additives that dissolve road grime.

Do not over-fill.

State or local regulations on Volatile Organic Compounds (VOC's) may restrict the use of the most common anti-freeze, methanol. Washer fluids containing non-methanol anti-freeze agents should only be used if they provide cold weather protection without damaging the vehicle's paint finish, wiper blades and windscreen washer system.

Cold weather precautions

To prevent damage to the pump during freezing conditions, use specially formulated washer fluid, diluted with water to the correct strength as shown on the container, for the anticipated ambient temperature.



WARNING:

Windscreen washer fluid is toxic and in concentrated form is flammable. Be sure to observe all warnings indicated on the washer solution container.

Under no circumstances must cooling system anti-freeze be used, since this will damage the paintwork.

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Checking and replenishment (continued)

Check coolant level

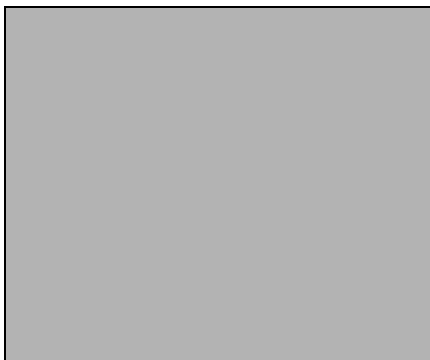
The coolant level must only be checked when the engine is COLD.

See page 6-5 or 6-6 for coolant header tank location.



WARNING:

Do not remove the coolant header tank filler/pressure cap while the engine is hot. If the cap must be removed, protect the hands against escaping steam and slowly turn the cap anti-clockwise until the steam pressure starts to escape. Leave the cap in this position until the pressure is released, and then remove the cap completely.



The coolant level should be between the two marks located on the side of the header tank. If persistent coolant loss is noticed have a Jaguar Dealer investigate the cause immediately.

Replenishing



WARNING:

Do not allow anti-freeze to make contact with skin or eyes. If this should happen, rinse the affected area immediately with plenty of water.

Caution: Anti-freeze will damage paintwork. Avoid spillage.

Top up with the correct strength anti-freeze and water, (see next page), until the coolant is within the 'max' and 'min' marks on the header tank.

Refit the filler cap and hand tighten securely until the ratchet operates.

Engine anti-freeze

Anti-freeze, when used at the correct concentration, not only protects the engine from frost damage in winter, it also provides all year round protection against internal corrosion.

The cooling system should be filled or replenished with a mixture of 50 per cent water and 50 per cent anti-freeze, conforming to specification:

WSS-M97B44-D, coloured orange, Extended Life Coolant.

This mixture gives frost protection for temperatures down to -40°C .

Do not mix any other anti-freeze with that specified; inferior quality anti-freeze may be ineffective in maintaining adequate frost and corrosion protection to the cooling system.

The coolant solution may remain in the cooling system for five years or 156,000 miles (250,000 km) after which the system should be drained, flushed and refilled.

Engine block heater

For further information consult your Jaguar Dealer.

Caution: The fitting of an engine block heater does not eliminate or lessen the need for anti-freeze under freezing conditions.

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Capacities

| | US Quarts | Litres |
|--|-----------|--------|
| Engine oil | | |
| V6 engine, including oil filter | 6.7 | 6,4 |
| V8 engine, including oil filter | 6.9 | 6,5 |
| The rear axle (final drive unit) and automatic transmission unit (gearbox) will not normally require to be checked or topped up. | | |
| Cooling system, including reservoir and climate control | | |
| V6 engines | 11.0 | 10,4 |
| V8 engines | 10.5 | 10,0 |
| Windscreen washer reservoir | | |
| – without headlamp power wash | 4.6 | 4,4 |
| – with headlamp power wash | 6.9 | 6,6 |

Fuel Tank

| | US Gallons | Litres |
|------------------------------|------------|--------|
| Fuel tank capacity | 18.3 | 69,5 |

Battery

A low maintenance battery specifically designed for use with this vehicle is fitted in the luggage compartment.



WARNING:

1. The cell plugs and vent pipe must be in place at all times when the battery is in the vehicle. Failure to fit, or incorrect fitting of these items is potentially hazardous.
2. To avoid injury do not use an open flame or cause an electric spark when checking the battery. Hydrogen gas generated by the battery is flammable and may explode.
3. Do not connect any 12 volt equipment, (for example, a 12 volt lead lamp), directly to the battery terminals. Use the cigar lighter sockets for temporarily connecting Jaguar approved accessories.

4. Do not let battery acid electrolyte come into contact with skin or eyes. If you get any in your eyes or on your skin, immediately rinse with cold water and consult a doctor.

5. California Proposition 65:

Battery posts, terminals and related accessories, contain lead and lead compounds. Wash hands after handling.

Caution:

1. Switch off ignition before disconnecting battery terminals. Always disconnect the earth terminal first and reconnect last.
2. Do not let battery acid come into contact with painted surfaces or fabric.

The exterior of the battery should be occasionally wiped clean to remove any dirt or grease.

If a new battery is to be fitted, it must be the same type as the original.

The use of unapproved batteries is not recommended and could invalidate the vehicle warranty.

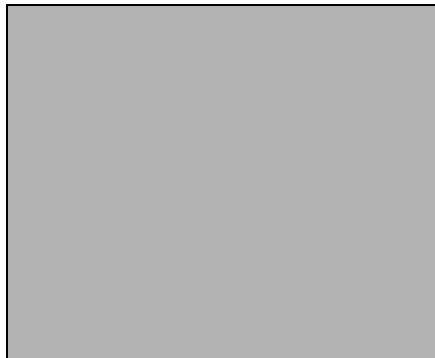
Note: The service life of the battery is dependent on its condition of charge. It must always be sufficiently charged for the battery to last an optimum length of time.

We recommend that the battery charge is checked frequently if the vehicle is used mostly for short distance trips, or if it is not used for long periods of time.

Generator

To prevent damage to the generator, do not run the engine while the battery or any of the charging circuit cables are disconnected.

The generator has polarity-sensitive components that may be irreparably damaged if subjected to incorrect polarity. Ensure that the battery earth lead is always connected to the battery negative (-) terminal.



Check/replenish battery electrolyte

Note: In normal climates this must be carried out at least once a year. In hot weather/climates the electrolyte level must be checked at least every three months.

Fold the trunk floor panel forwards.

Unscrew the six cell plugs. Check that the electrolyte is level with the plastic level indicator (A). If necessary, replenish with distilled water but do not overfill.

If illumination is required, use a hand-held flashlight to inspect the electrolyte level.

Refit the six cell plugs and refit the floor panel.

Battery charging



WARNING:

Batteries produce combustible gas (hydrogen) when being charged. The battery must be removed from the vehicle before charging commences.

To disconnect the battery, refer to 'Battery lead disconnection' on the next page.

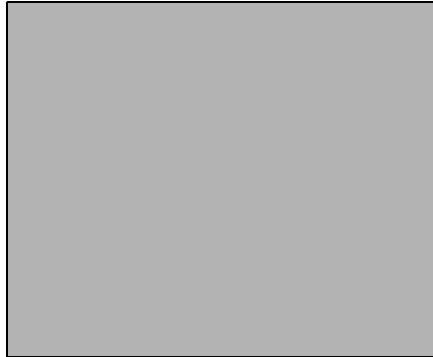
When charging the battery ensure that the charge voltage is the same as the nominal voltage of the battery.

Switch off the charger before connecting or disconnecting terminal connections to avoid sparks and short circuits.

Ensure that the charger positive (+) lead is connected to the positive (+) terminal of the battery and the negative (-) lead is connected to the negative (-) terminal of the battery.

Do not remove or loosen any of the cell plugs when charging the battery.

Check, and if necessary top-up, the electrolyte level when the battery is fully charged.



Battery lead disconnection

Note: Upon battery lead disconnection, both trip computer memories (A and B) will be erased. On reconnection the radio will require recoding and the clock will need to be reset.

Fold the trunk floor panel forwards.

Caution:

1. Under no circumstances should a battery be disconnected whilst the ignition circuit is live, as permanent damage to the instrument cluster may occur.
2. Disconnect the negative lead (earth terminal) first.

Unclip the battery positive terminal cover.

Slacken the negative lead pinch bolt and disconnect the negative (–) battery lead. Slacken the positive lead pinch bolt and disconnect the positive (+) battery lead.

Clean the battery posts and coat the post bases with petroleum jelly.

Battery lead connection

Note: Upon battery reconnection the security system will be armed. Opening any protected entry will sound the alarm. Make sure that a key or key-ring transmitter is available.

Caution: Do not overtighten the pinch bolts.

Connect the positive (+) lead, tighten the pinch bolt and clip the positive terminal cover on the battery.

Connect the negative (–) lead and tighten the pinch bolt. Refit the floor panels.

After the battery has been reconnected and the ignition switch is turned to position 'II', the message centre display will initially show an erroneous reading i.e. -----. This will remain until after the bulb check sequence, when the correct recorded mileage will be displayed. This is a normal function of the instrument cluster.

Reset the clock to the correct time.

The radio will not operate until the correct security code has been re-entered. Refer to the Audio Systems Handbook.

Note: When the battery is disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven 10 miles (16 kilometres) or more to relearn the strategy.

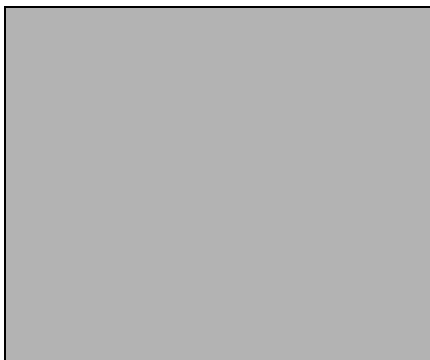
6-18 Maintenance

Windscreen wipers

Note:

1. The wiper blades will be renewed at every service interval.
2. Use Jaguar Screen Clean Paste to remove contamination from the windscreen to ensure effective wiping or if smearing or juddering becomes evident. A more aggressive cleaning agent may be required to remove stubborn contamination. Contact a Jaguar Dealer for advice.

To ensure that the windscreen remains smear free, the washer system should be operated whenever the wiper is used, even when it is raining.



Windscreen wiper blades – inspect and clean

Lift the wiper blades clear of the windscreen and wipe the blades with a clean, soft cloth moistened with water to which a mild liquid detergent has been added.

Inspect the wiper blades, and if there are any signs of wear or damage; renew the blades.

Renew the wiper blades before and after each winter, or more often if required.

Wiper blade renewal

Move the wiper arm away from the windscreen, squeeze the retaining clip and withdraw the wiper blade from the arm. After fitting the new blade, check that it is held firmly in position.

Windscreen washers

Two windscreen washer nozzles are mounted on the hood. Each nozzle directs two spray patterns to the windscreen.

Note: The windscreen wiper jets and headlamp washer jets are not adjustable.

Tires

Tires of the correct type, manufacturer and dimensions, with correct cold inflation pressures are an integral part of every vehicle's design. Regular maintenance of tires contributes not only to safety, but to the designed function of the vehicle. Roadholding, steering and braking are especially vulnerable to incorrectly pressurised, badly fitted or worn tires.

Tires of the correct size and type but of different make have widely varying characteristics. It is therefore recommended that Jaguar approved tires are fitted to all wheels.

Do not interchange tires from side to side, front to rear or vice versa as tire wear produces characteristic patterns depending upon their position and, if the position is changed after wear has occurred, the performance of the tire will be adversely affected.

A tire recommendation placard is placed on the right-hand front door post, giving information specific to the vehicles wheel and tire equipment.

Jaguar recommended tires

16 inch wheels:

Bridgestone 225/55R16H all season with Uniform Tire Quality Grading Standards:

| | |
|-------------|-----|
| Treadwear | 300 |
| Traction | A |
| Temperature | A |

17 inch wheels:

Pirelli P-Zero 235/50R17 96W with Uniform Tire Quality Grading Standards:

| | |
|-------------|-----|
| Treadwear | 140 |
| Traction | A |
| Temperature | A |

Continental ContiSportContact 245/45R17 95W with Uniform Tire Quality Grading Standards:

| | |
|-------------|-----|
| Treadwear | 280 |
| Traction | A |
| Temperature | A |

Tire renewal

When renewal of tires is necessary it is preferable to fit a complete vehicle set. Should either front or rear tires only show need for renewal, new tires must be fitted, as axle sets, to replace worn ones.

Note: After new tires have been fitted the wheels need to be dynamically balanced.

The radial ply tires specified are designed to meet the high-speed performance capability of this vehicle.

Do not fit tires with a different tread pattern, size or speed rating.

Tire pressures

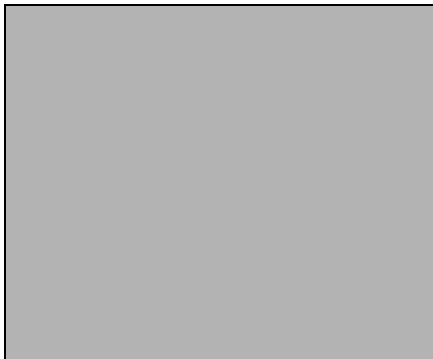
The tire pressures recommended (see page 7-6) provide optimum ride and handling characteristics for all normal operating conditions. The pressures should be checked, and correctly set, if necessary, once per week. This should be done with the tires cold. Tire temperatures and pressures increase when running.

Deflating a warm tire to the recommended pressure will result in under-inflation which may be dangerous.

A slight natural pressure loss occurs with time. If this exceeds 2 lbf/in² (0,14 bar, 14 kPa, 0,14 kg/cm²) per week, the cause should be investigated and rectified.

It is an offence in certain countries to drive a vehicle with tires that are not inflated in accordance with the vehicle's proper use.

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Wear

All tires fitted as original equipment include tread wear indicators (TWI) in their tread pattern. When the tread has worn to a remaining depth of 0.063 inch (1,6 mm) the indicators appear at the surface as bars which connect the tread pattern across the full width of the tire.

It is illegal, in certain countries, to continue to use tires after the tread has worn to less than 0.063 inch (1,6 mm) over three quarters of the width and the entire circumference of the tire.

It should be noted that the properties of many tires alter progressively with wear. In particular the 'wet grip' and aquaplaning resistance are gradually but substantially reduced. Extra care and speed restriction should therefore be exercised on wet roads as the effective tread depth diminishes.

Incorrect wheel alignment will accelerate tire wear. Fins on the inner or outer edges of the tread pattern are caused by excessive toe-in or toe-out respectively. As fins may also be caused by high cornering speeds or road camber, it is advantageous to have the cause detected by having the wheel alignment checked.

Tire repair

It is recommended that damaged tires are discarded and new tires fitted. They must not be repaired in view of the high performance capability of the vehicle.

Damage

Excessive local distortion can cause the casing of a tire to fracture and may lead to premature failure. Tires should be examined especially for cracked walls, exposed cords, etc. Flints and other sharp objects must be removed from the tire tread; if left in they may work through the cover. Clean off any oil or grease contamination by using a suitable cleaner.

Caution: Do not use paraffin (kerosene), because this has a detrimental effect on rubber.

Tire use after vehicle storage

After a long period of a vehicle standing, tires may become locally distorted with a flat area. This will cause an uneven ride for a few miles until the tires have warmed up and the 'flat' rounds off.

However, to reduce the effects of flat-spotting, the tires of a stored vehicle may be inflated to pressures not exceeding 50 lb/in² (3,4 bar, 343 kPa).

United States Department of Transportation/Uniform Tire Quality Grades

The following information relates to the tire grading system developed by the National Highway Traffic Safety Administration which will grade tires by tread wear, traction and temperature performance.

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and a half (1½) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction – AA, A, B, C

The traction grades, from the highest to the lowest are AA, A, B and C, and they represent the tire's ability to stop on wet pavements as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked 'C' may have poor traction performance.



WARNING:
The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

Temperature – A, B, C

The temperature grades 'A' (the highest), 'B' and 'C' representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade 'C' corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

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



WARNING:
The temperature grade for this tire is established for a tire that is properly inflated and not over loaded. Excessive speed, under-inflation or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure.

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Winter (snow) tires

The tires fitted as original equipment are designed with a rubber compound, tread pattern and width specially suited for high speeds in normal road conditions, but they are less suitable during extremes of low temperatures, snow and ice. The use of winter tires will considerably improve the vehicle's handling during these conditions.

It is recommended that only Jaguar approved winter tires are used, as follows:

Winter 16 Inch Wheels

Pirelli Winter 210 225/55R16 95H

or

Continental ContiWinterContact
225/55R 16 95H

Winter 17 Inch Wheels

Pirelli Winter 210 235/50R 17 100H

Caution: Tire directional indicators must be rotating in a clockwise direction when viewed from the right-hand side of the vehicle, and anti-clockwise when viewed from the left-hand side of the vehicle.

Do not exceed 130 mph (210 km/h) when using Jaguar approved winter tires.

Winter tires must be used in vehicle sets, that is, fitted on all four wheels.

Tires other than those recommended must be inflated to the following cold inflation pressure (front and rear):

44 lbf/in² (300 kPa, 3,1 kg/cm², 3,0 bar)

In the event of using non-Jaguar approved winter tires, inflate to the above recommended tire pressure and do not exceed the tire's speed capability.

Snow chains

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

Note: Traction control MUST be switched OFF when using snow chains.

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

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

Ensure the fitting instructions supplied with the snow chains are kept in a safe place, for example, with this literature pack.

Care of alloy road wheels

The alloy road wheels are covered with a protective anti-corrosion coating. To prevent corrosion it is essential that this coating is not damaged.

When removing or fitting tires always advise the tire fitter to treat the alloy wheels with great care and to only use equipment with spigot or stud hole clamping. The equipment must not have any moving parts which contact the wheel, and tire levers must not be used.

In compliance with German Road Traffic Law the size of the wheel rims is stamped or cast on all wheels.

Wash the wheels at two week intervals to avoid an accumulation of particles which could become embedded in the wheel surface.

In salty conditions the wheels should be cleaned weekly.

The use of Jaguar Vehicle Shampoo is recommended.

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Vehicle care

Valet kit

A valet kit containing a selection of Car Care products is available from the Jaguar accessory range.

Interior care

Brush and clean the interior regularly. Use a vacuum cleaner where possible to remove all dust from the interior and trim.

Carpets

Marks or stains can be removed by gentle scrubbing with a weak solution of soap and warm water.

For more stubborn stains a commercially available carpet cleaner should be used. See your Jaguar Dealer for advice.

Headlining

Remove dust in the headlining with a vacuum cleaner. To remove stains, dab gently without pressing, using a fluff-free white cloth, moistened with Jaguar Upholstery Cleaner.

Do not use methylated spirit or solvents as this may cause damage or discoloration to the headlining.

Leather upholstery

Dust and dirt can penetrate the pores and creases of leather, causing surface wear and brittleness.

Use only mild non-caustic soap.

Clean regularly, every two to three months, with natural materials to maintain the leather in first class condition.

Wipe the surfaces using a cloth which has been dampened with warm soapy water and then wrung out; avoid over-wetting. Dry off and rub with a clean soft cloth, changing surfaces regularly. Use Jaguar Leather Cleaner for heavily soiled areas.

Note: Do not use solvents such as petrol (gasoline), white spirit or alcohol. Do not use detergents, furniture polish or household cleaners. Although such treatments may give, initially, an impressive appearance, their use will lead to rapid damage or deterioration of the leather, and will not be covered by the Manufacturer's Warranty. Unless spillages of tea, coffee or ink are washed away immediately, permanent staining may have to be accepted.

If a valeting service is used, ensure that the specialist firm concerned are aware of, and follow these instructions precisely.

Cloth upholstery

Weekly light vacuuming can extend the life of the fabric.

Using Jaguar Upholstery Cleaner, following the instructions, will preserve and enhance cloth upholstery. Test the upholstery cleaner solution on an unseen part of the seat. Do not over wet.

Caution:

1. **Never use soap, ammonia, bleach or other cleaners intended for use on hard surfaces.**
2. **Do not use upholstery cleaner on electrical equipment such as fascia switches.**

Removing stains

Most stains on woollen fabric can be removed if treatment is carried out immediately, before the stain has a chance to 'dry-in'.

Keep the necessary cleaning materials in a convenient place.

Most stains can be treated with one of three cleaning fluids: Jaguar Upholstery Cleaner, dry cleaning fluid or clean water.

Mop up excess liquid with absorbent tissue (preferably white) or absorbent cloth; scoop up dry solids. Work inwards from the edge of the stain to prevent spreading. Use small amounts of cleaning liquid, blotting between applications.

Work slowly and thoroughly using light pressure. If the stain cannot be removed, contact a reputable dry cleaners.



WARNING:

Dry Cleaning Fluids may be toxic or flammable. Take adequate precautions when handling these products.

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Exterior care

Note: All the cleaning materials mentioned in this section are available from the Jaguar Accessory Range.

Washing

For best results, do not wash the vehicle under strong sunlight. Always allow the vehicle to cool down before washing.

Do not use a dry cloth to wipe dirty paintwork. Dust and gritty substances are abrasive and will scratch the paintwork. Remove dirt using a cellulose sponge and plenty of warm (never hot) water. Rinse off with clean water and dry using a clean, damp chamois leather.

Do not use household soaps or detergents. The use of Jaguar Vehicle Shampoo is recommended.

Do not direct hoses at full force around door and luggage compartment seals. Using high pressure water jets on the paintwork is not recommended.

Do not allow bird droppings or tree sap to harden. Remove from paintwork immediately with a lukewarm soap and water solution.

In winter, when salt is used on the roads, wash the vehicle frequently, and immediately after encountering such conditions. Clean undersides and wheel arches using a high pressure jet.

Automatic car wash

Note: Regular use of automatic car washes tends to dull the lustre of the paintwork.

After leaving the car wash, switch on the windscreen wiper immediately to remove water and prevent a build up of wax. Jaguar Screen Clean Paste can be used to clean any residual wax from the glass.

Removing grease or tar

Remove grease or tar with Jaguar Tar Remover or methylated spirit (alcohol). White spirit is also effective, but must not be applied to rubber, particularly the windscreen wiper blade.

Glass surfaces

To avoid scratching glass surfaces, do not clean dirty glass with dry paper or cloth. Use clean, warm water and a chamois leather which is reserved for glass only.

The following products will ensure glass surfaces and windscreen wipers are kept in good condition:

Jaguar Screen Clean Paste – Apply to the exterior of the windscreen only to ensure effective operation of the windscreen wiper.

Jaguar Glass Cleaner – Interior and exterior of all other glass surfaces.

Jaguar Screen Wash – Washer reservoir additive.

Jaguar Winter Care Kit comprising, de-icer, ice scraper, anti-mist wipe cloth and aerial cleaner – for use in adverse weather conditions.

Note:

1. Renew the wiper blades when worn to prevent scratching. Clean regularly with a mild detergent solution.
2. It is advisable to clean the windscreen with Jaguar Screen Clean Paste at regular intervals.

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Polishing paintwork and chromium plating

For maximum protection against road dust, salts, industrial fallout, etc., it is recommended that the vehicle is polished regularly using Jaguar Polish, Chrome Polish and a Polishing Cloth.

Paint chips

Scratches and chips should be touched in before weathering action begins. Inspect the paintwork immediately after the vehicle has been washed.

Underhood cleaning

Underhood cleaning using high pressure hoses or steam cleaners should be done by a Jaguar Dealer. Indiscriminate use of cleaning equipment could damage or contaminate the electronic control modules and fuse boxes.

Earth points

If an accessory needs to be connected to an earth point, consult a Jaguar Dealer.

Caution: Under no circumstances must holes be drilled in the bodywork to accept earth terminals.

Electrical accessories



WARNING:
Alterations to the electrical system, including the fitting of accessories not designed for this Jaguar, will cause damage to the electrical circuits and systems. In some circumstances this could result in a malfunction or fire. All accessory work should be entrusted to a Jaguar Dealer.

The cigar lighter sockets can be used for plug-in accessories which are only temporarily connected to the vehicle (for example, a car vacuum cleaner).

Caution:

1. Under no circumstances must the power supply be obtained directly from either battery terminal.
2. The use of non-approved accessories can reduce the battery capacity and charge period to an unacceptable level, therefore, Jaguar cannot accept any liability for the fitment of any such item.