Inertia switch

In the event of an accident, an inertia switch will trip, isolating fuel pump operation. Once the switch has tripped it must be reset before attempting to restart the engine.

The inertia switch is located behind the trim on the left-hand side of the vehicle, forward of the front door post, below the fascia. A finger access hole in the trim allows the driver to reset the switch.

Resetting the switch

WARNING:

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

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

1. Turn the ignition switch to position ‘0’.
2. Press down the flexible cover on the top of the inertia switch.
3. Turn the ignition switch to position ‘II’, pause for a few seconds, then return the key to position ‘0’.
4. Make a further check for fuel leaks.

Emergency starting

Rolling start

WARNING:

It will not be possible to push or tow start a vehicle with automatic transmission. Only jump lead starting or the fitting of a fully charged battery is recommended.

Emergency starting using jump leads

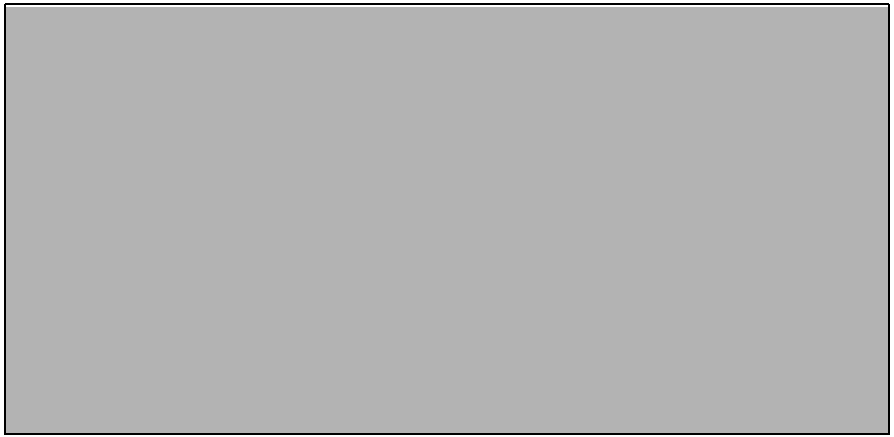
Both the booster and discharged battery should be treated with great care when using jump leads. Always use high quality leads capable of carrying the starter current of the vehicle to be started.

Before commencing, the following precautions must be taken:

- When the battery of another vehicle is being used, ensure that the vehicles do not touch. Alternatively, remove the charged battery and place near to, not on, the vehicle with the discharged battery.
- Ensure that both vehicles have all electrical services OFF, the handbrake is ON and, with automatic transmission, 'P' is selected.
- Where the jump leads are of a different colour, e.g. red and black, use red for positive (+). This aids identification and helps to avoid crossing positive (+) to negative (–). Take extra care to avoid crossing the polarity when using cables of the same colour.

Caution:

1. **If using a jump start vehicle, under no circumstances should the vehicles come into contact with each other. This could establish an earth connection, which may cause sparks and damage.**
2. **Do not run the jump start vehicle's engine when boost starting a Jaguar Vehicle. If the jump start vehicle's engine is running and the jump leads are disconnected, damage to the Jaguar vehicle's electrical system will result.**
3. **The booster battery voltage must not exceed 12 volts.**



The following procedure must be followed exactly, being careful not to cause sparks:

1. Apply the handbrake, select 'P' (automatic transmission vehicles only), and turn off all the vehicles electrical services.
2. To gain access to the battery, fold the trunk floor panel forward.
3. Unclip the battery positive (+) terminal cover.
4. Attach one end of the red jump lead to the positive (+) terminal of the booster battery and the other end to the positive (+) terminal of the discharged battery. Make sure that a good connection is made.

Caution: Do not connect the negative jump lead directly to the negative (–) terminal of the discharged vehicle.

5. Attach one end of the black jump lead to the negative (–) terminal of the booster battery and the other end to an earth point on the vehicle being started. (If your Jaguar has the discharged battery use only the spare wheel locking stud, as shown.) The earth point must be at least 12 inches (305 mm) from the discharged battery. Make sure that a good connection is made.
6. When started, allow the engine to idle for five minutes before disconnecting the cables.
7. Disconnect the black jump lead from the earth point and the booster battery negative (–) terminal.
8. Disconnect the red jump lead from the positive (+) terminals of both batteries.
9. Refit the positive (+) terminal cover.
10. Refit the trunk floor panels.

Wheel changing and jacking

Be prepared for a flat tire. Know where equipment is stowed and read the wheel changing and jacking instructions carefully.

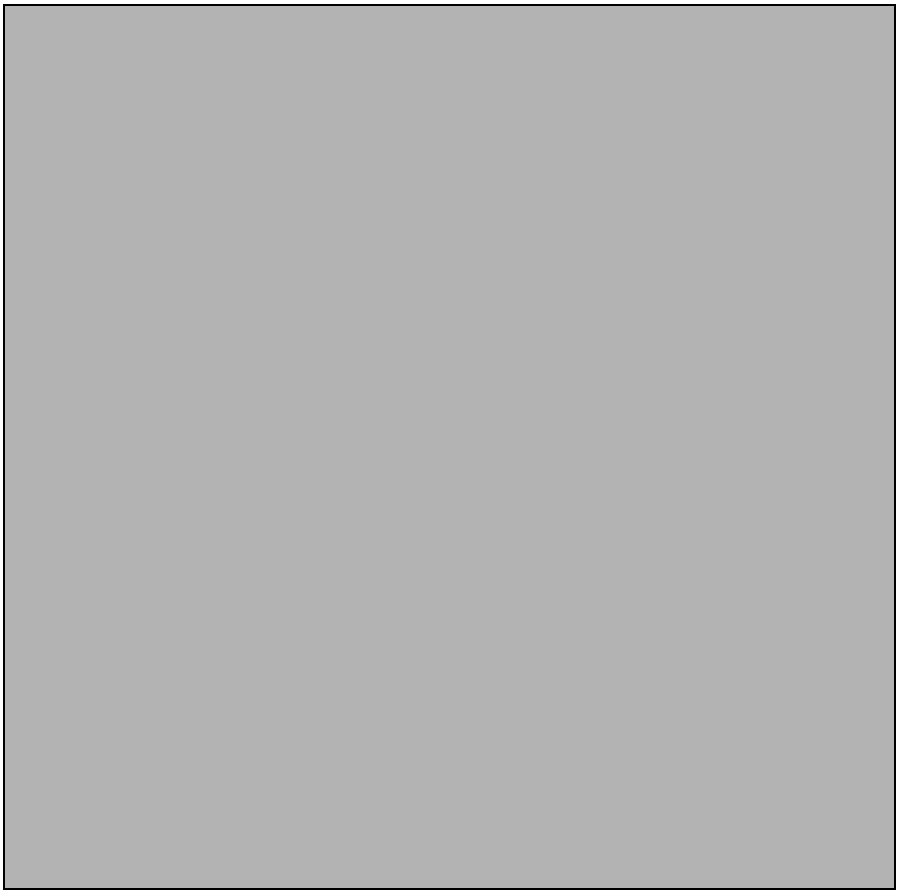
Pull off the road completely, clear of all traffic and park on as level, solid ground as possible. Switch on hazard warning lights and, where legally required, display the warning triangle.

WARNING:

It can be dangerous to change a wheel when the vehicle is on a slope or soft, uneven ground.

The spare wheel and jacking equipment are stored in the trunk, under the floor panel.

To remove the spare wheel, fold the trunk floor panel towards the rear seats. Unscrew the retaining nut (**A**) and remove the spare wheel. Unscrew the retaining nut (**B**) and remove the jack and wheel nut wrench (and locking wheel nut kit, if fitted).



Wheel changing and jacking (continued)

Removing locking wheel nuts (where fitted)

Some vehicles are fitted with one locking wheel nut on each wheel. These can only be removed using the extractor tube and key socket provided.

The locking wheel nut has a cover which makes it visually similar to standard wheel nuts. The top of the cover has an indentation (**A**) to aid identification.

Push the extractor tube firmly over the locking wheel nut cover, as shown at (**B**), until it is fully located.

Withdraw the extractor tube to remove the cover.

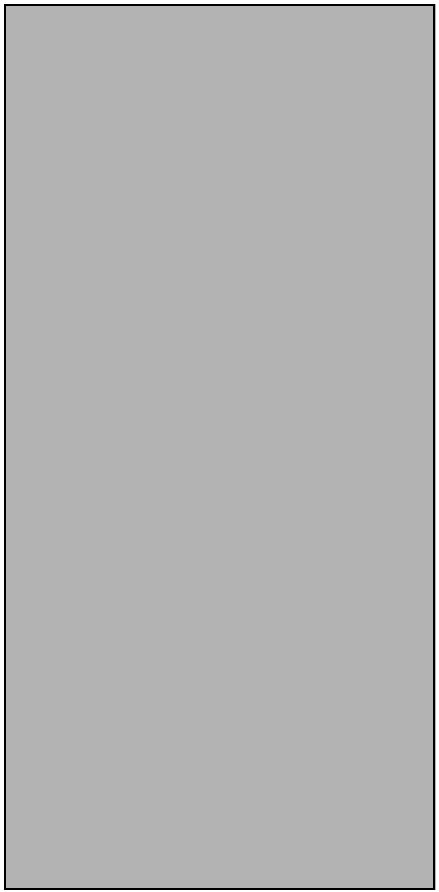
Fit the key socket over the locking wheel nut as shown at (**C**).

Fit the wheel nut wrench over the key socket and loosen the locking wheel nut.

Locking wheel nut security coding

Locking wheel nuts have a letter stamped on their upper surface. The key socket is stamped with a corresponding number. Only key sockets with the correct matching number will fit the locking wheel nut.

Should a new key socket be required, note the letter on the locking wheel nut and contact your Jaguar Dealer. Proof of vehicle ownership will be required.



Wheel changing and jacking (continued)

Note:

1. Ensure that all passengers are in a safe place, clear of the vehicle.
2. Firmly apply the handbrake and for automatic vehicles, select gear position 'P' (Park).
3. Ensure that the jack is on firm and level ground.

WARNING:

Before attempting to lift the vehicle with the jack, block a wheel diagonally opposite to the wheel being replaced to prevent the vehicle from rolling when jacked up.

Before raising the vehicle, using the wheel nut wrench, slacken, but do not remove the wheel nuts.

WARNING:

Never work under the vehicle using only the jack as a support, always use axle stands or suitable supports under the jacking points.

Observe the instructions printed on the jack.

Use the jack only for lifting the vehicle during wheel changing, and only use the jack which is stored in the vehicle.

Do not start or run the engine while the vehicle is only supported by a jack.

Note: When one rear wheel is lifted off the ground the automatic transmission 'P' (Park) position will not prevent the vehicle from moving and possibly slipping off the jack.

Caution: Ensure that when anyone requires to raise the vehicle that the jacks are correctly positioned to avoid any damage to the vehicle sills, sill panels or aluminium components. Use only the correct jacking points.

Wheel changing and jacking (continued)

There are four jacking points, two each side of the vehicle on the underside of the floor. These provide positive location for the jack. The front jacking point is approximately 7 inches (180 mm) from the front wheel and the rear is approximately 11 inches (280 mm) forward of the rear wheel. The simplest way to correctly locate the jacking point is to feel along the sill panel to the cut-away portion and then fit the jack to the body, not to the sill.

Caution: Never use bumpers or any other part of the body to lift the vehicle.

WARNING:
Do not attempt to lift the vehicle unless the jack arm is fully engaged in the jacking point.

Place the jack squarely beneath the appropriate jacking point. Ensure that the jack arm is fully engaged. Carefully raise the vehicle by turning the handle. Stop jacking the vehicle when the tire just clears the ground. Minimum tire lift gives maximum vehicle stability.

Remove the wheel nuts and the wheel.

Fit the spare wheel and loosely secure with the wheel nuts.

Using the wheel nut wrench, lightly tighten the wheel nuts alternately using the sequence shown in the illustration.

Lower the jack and tighten the wheel nuts alternately,
DO NOT OVERTIGHTEN.
At the earliest opportunity have the wheel nuts tightened with a torque wrench to 92 lbf.ft (125 Nm). This torque must not be exceeded.

Wheel changing and jacking (continued)

Remove the jack from the vehicle.

When changing the road wheels, transfer the centre badge to the replacement wheel. Using the rounded end of the wheel nut wrench handle from the inside of the wheel, push the centre badge from its housing. Push the centre badge into the replacement wheel.

Stowing the equipment

Stow the jack and wrench.

Stow the replaced road wheel in the trunk, position the wheel and secure with the retaining nut. Reposition the trunk floor panel.

Note: Examine the jack occasionally, clean and grease the threads to ensure it is always ready for an emergency.

Vehicle recovery

The preferred vehicle recovery method is by using a flat bed transporter or rear suspended tow.

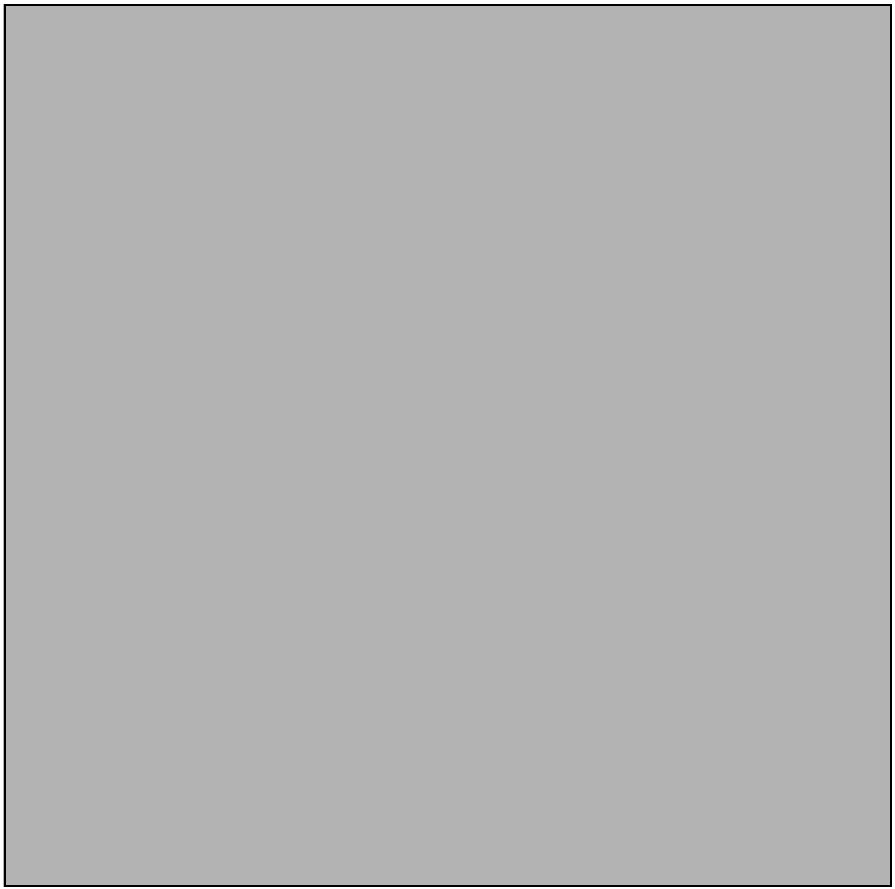
Caution:

- **If the vehicle has defective transmission, to prevent further damage, it must be towed with the rear wheels clear of the ground.**
- **Ensure that the recovery team do not tow with sling-type equipment since damage to the bodywork may result.**
- **Do not tow vehicle by suspending the front end.**

Transporting

If the vehicle is being transported on a trailer or vehicle flat bed transporter, the handbrake must be applied, the wheels chocked and the gear selector lever moved to position ‘N’ or ‘D’ but NEVER to ‘P’.

The vehicle must be securely tied down to the transporter or trailer.



Transporter tie-down brackets

WARNING:

Avoid body contact with a hot exhaust pipe when using the tie down points.

There are two transporter tie-down brackets on the vehicle rear underbody. The brackets are inboard of the rear silencer tail pipes.

Use straps on the front wheels/tires to secure the vehicle for transportation.

The towing eye is not designed for securing the vehicle during transportation.

Vehicle failure

The removable towing eye is primarily for emergency use when towing for SHORT DISTANCES, e.g. removing the vehicle if it is causing an obstruction or for winching the vehicle onto a recovery transporter. To prevent damage to the automatic transmission, the towing distance must be restricted to 0.5 miles (0.8 km) and towing speed must not exceed 48 km/h.

Always obey towing regulations: In certain countries the registration number of the towing vehicle and an 'ON TOW' sign or warning triangle must be displayed in a prominent position at the rear of the vehicle being towed.

When being towed, the vehicle's gear selector lever must be in neutral (position 'N') with the ignition key turned to position 'II' to render the indicators, horn and brake lights operational.

WARNING:

When the engine is not running the steering and brakes will no longer be power-assisted. Therefore, be prepared for relatively heavy steering and the need for greatly increased brake pedal pressure.

Towing eye

A towing eye is provided in the trunk, with the jack.

Caution:

- **The towing eye is not suitable for 'solid bar towing'.**
- **Care must be taken to avoid damaging the bumpers and front apron.**

The front towing point is the right-hand bumper mounting bracket.

Turn the three fasteners (**A**) anti-clockwise and remove the grill vane (**B**).

Screw the eye into the vehicle, right up to the shoulder.

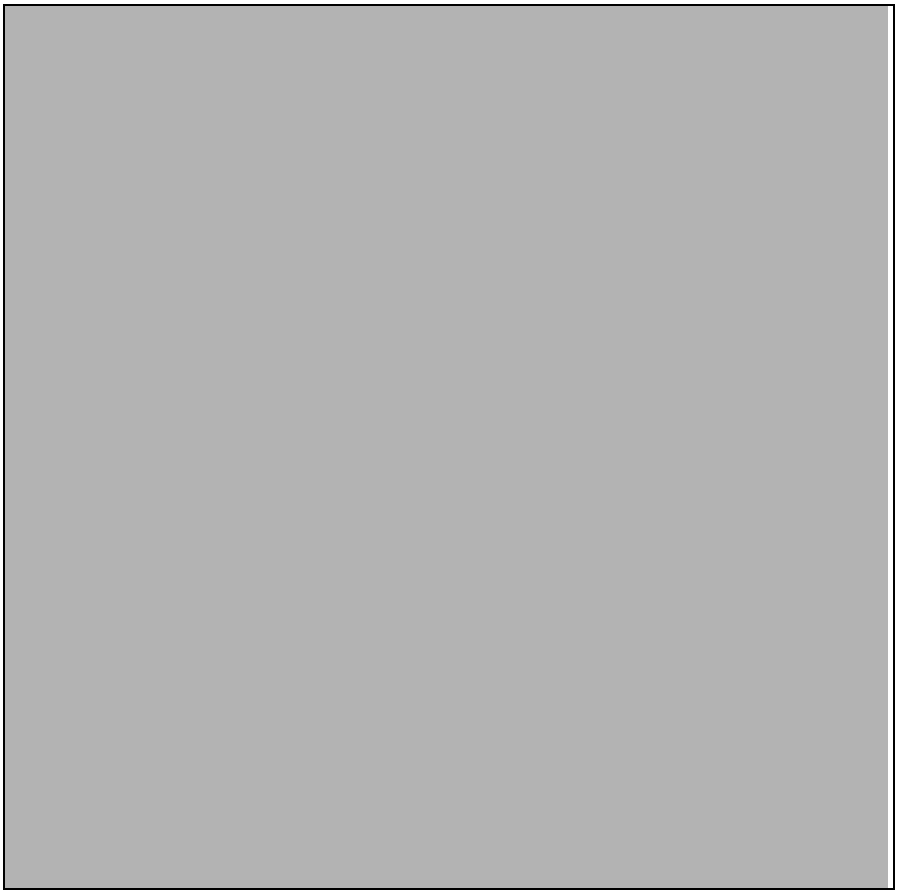
The rear towing point is alongside the left-hand exhaust pipe.

WARNING:

Avoid body contact with a hot exhaust pipe when fitting the eye to the rear towing point.

Prise off the cover plate in the rear bumper.

Remove the protective bung and screw the eye into the vehicle, right up to the shoulder.



Bulb renewal

It is important that only Jaguar bulbs of the type specified are used when renewing bulbs.

Before renewing bulbs, switch off the ignition and light switches.

Top cover

To gain access to the headlamp units, the top cover must be removed.

Turn the fasteners (**A**) a quarter turn anti-clockwise and then remove the top cover.

After changing the defective bulb, refit the cover and push the fasteners (**B**) back in place to retain the cover.

Headlamp – bulb renewal

Caution: The bulbs are halogen type and will be damaged if touched by hand or contaminated with oil or grease. It is important to use clean gloves or cloth when handling a bulb which is to be used again. A contaminated bulb may be cleaned with methylated spirit before refitting.

Dipped beam (outer) headlamp

Open the hood.

Remove the top cover as shown on page 5-12.

Turn the circular cover (**A**) anti-clockwise and remove.

Press the spring clip (**B**) towards the bulb and downwards to release the bulb. Remove the bulb/connector (**C**) from the headlamp assembly. Pull the connector from the bulb.

Attach the connector to the new bulb, type H7 for dipped beam, and fit to the headlamp. The bulb will only correctly fit in one position.

Engage the spring clips to retain the bulb and then fit the circular cover.

Refit the top cover and close the hood.

It is advisable to have the headlamp aim checked by a Dealer after bulb renewal.

Main beam (inner) headlamp

Open the hood.

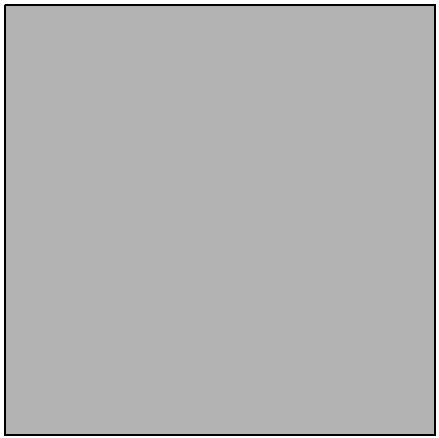
Remove the top cover as shown on page 5-12.

Turn the bulb holder a quarter turn anti-clockwise and remove the bulb and holder from the lamp unit.

Fit a new bulb to the holder, type HB3 for main beam.

Fit the holder to the lamp unit, the bulb will only correctly fit in one position.

Refit the top cover and close the hood.



Front parking (side) light – bulb renewal

Open the hood.

Remove the top cover as shown on page 5-12.

The front parking lights are contained within the outer headlamp units.

Rotate the bulb holder anti-clockwise and remove from the headlamp.

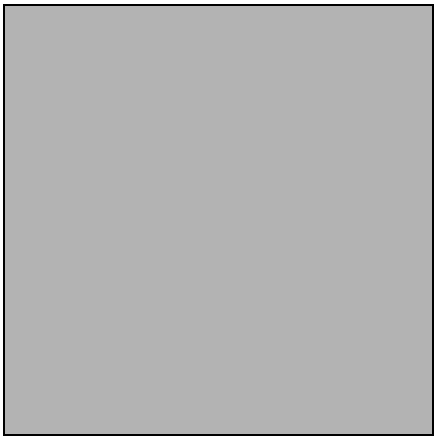
Pull the capless bulb from the holder and fit a new one of the correct type, W5W.

Reposition the bulb holder in the headlamp unit and turn clockwise.

Refit the top cover and close the hood.

Front fog lamp – bulb renewal

It is recommended that the front fog lamp bulb, type H3, is renewed by a Jaguar Dealer.



Front direction indicator – bulb renewal

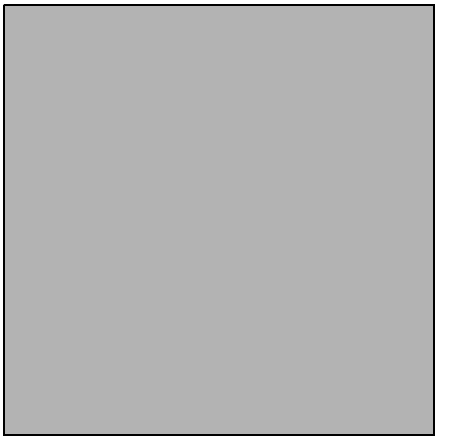
Remove the top cover as shown on page 5-12.

The bulb is contained within the outer headlamp. Turn the holder a quarter turn anti-clockwise and remove the bulb and holder.

Remove the bulb and fit a new one of the correct type, 3357NAB5.

Fit the holder to the lamp unit, it will only fit in one position.

Refit the top cover and close the hood.



Number plate light – bulb renewal

Push the lens clip sideways and remove the lens from the vehicle.

Remove the bulb and fit a new one of the correct type, W5W.

Refit the lens by pressing it firmly into the recess until it clicks into place.

Side repeater indicator – bulb renewal

Remove the light unit from the front wing panel by pressing the unit forwards or rearwards to compress the spring clip and remove the complete unit.

Twist the bulb anti-clockwise and remove.

Fit a new bulb of the correct type, W5W.

Press the unit into the recess until it clicks into place.

Side marker – bulb renewal

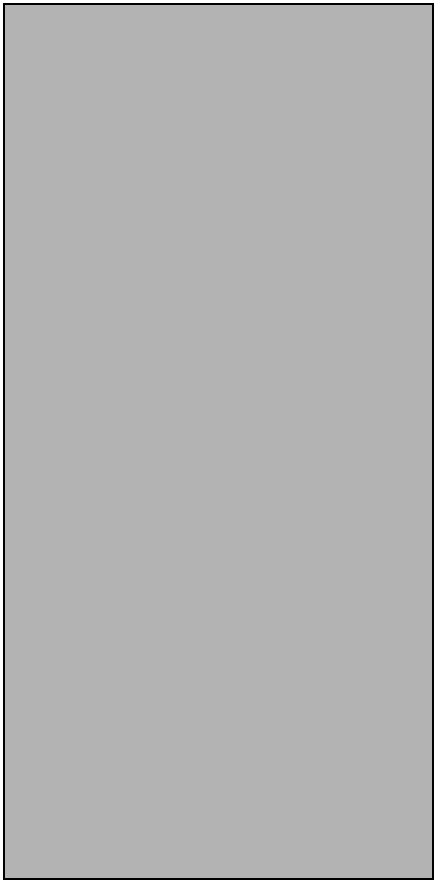
Remove the light unit by pressing the lens downwards to compress the spring clips. Gently ease the top of the lens from the bumper and remove the complete unit.

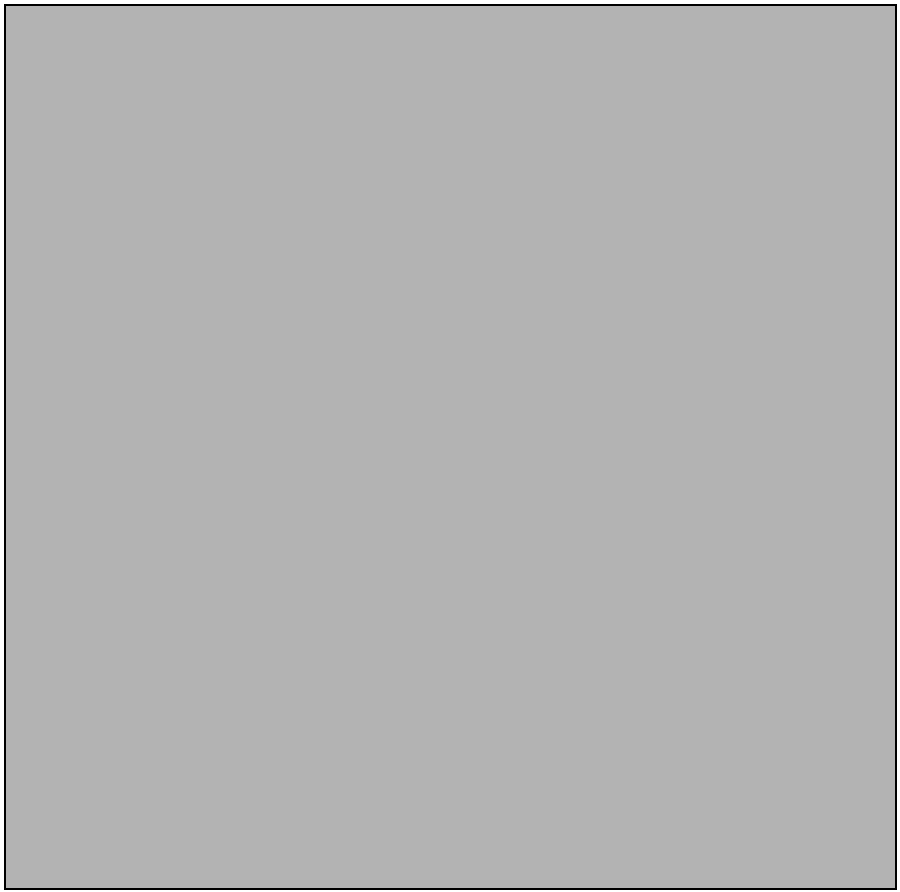
Twist the bulb holder anti-clockwise and remove the holder and bulb from the lens.

Fit a new bulb of the correct type, W5W.

Refit the bulb holder complete with bulb to the lens unit.

Press the unit into the recess until it clicks into place.





Rear light assembly – bulb renewal

The rear light assembly has the following bulbs:

1. Reverse light, type P21W.
2. Stop/tail light, type P21/4W.
3. Fog light, type P21W
4. Tail light, type R5W.
5. Direction indicator, type PY21W.

Ensure that the lights and ignition switch are OFF before removing any bulbs.

Open the trunk, loosen the side carpet and unclip the rear light bulb carrier.

Remove the faulty bulb and fit a new one of the correct type, as illustrated on the bulb holder. Fitment of the correct type is essential.

Refit the bulb carrier assembly, ensuring that the clips are correctly secured.

Refit the carpet.

Fuses and fuse boxes

Fuse failure is identified by an inoperative circuit.

Do not fit a new fuse if the wiring is damaged; contact a Jaguar Dealer. After renewing a fuse have the circuit checked by a Jaguar Dealer.

Two types of fuses are fitted in the fuse boxes, a mini-type (**A**) and a cartridge-type (**B**).

A special tool for removing and replacing the mini-fuse is provided in the passenger compartment fuse box, together with spare fuses.

Use only the spare fuses supplied. If a spare fuse is used, renew it with a Jaguar approved fuse of the **same** amperage rating.

Checking and renewing a blown fuse

Make sure the new fuse is the correct rating (amperage). Fuses are colour coded according to the amperage and the rating is also marked on each fuse.

Mini-fuse renewal

Push the tool on to the suspect mini-fuse and withdraw it.

If the wire in the fuse is broken, the fuse has blown.

Fit a new fuse using the tool.

Cartridge fuse renewal

Pull the suspected blown fuse from its holder.

If the wire in the fuse is broken, the fuse has blown.

Push a new fuse into the holder.

WARNING:

1. **Do not fit a fuse of a different amperage from that removed. The electrical circuits may become overloaded with the subsequent possibility of a fire.**
2. **No attempt should be made to repair a fuse that has blown. This may cause a fire hazard or serious damage elsewhere in the electrical circuit.**

Fuse box locations

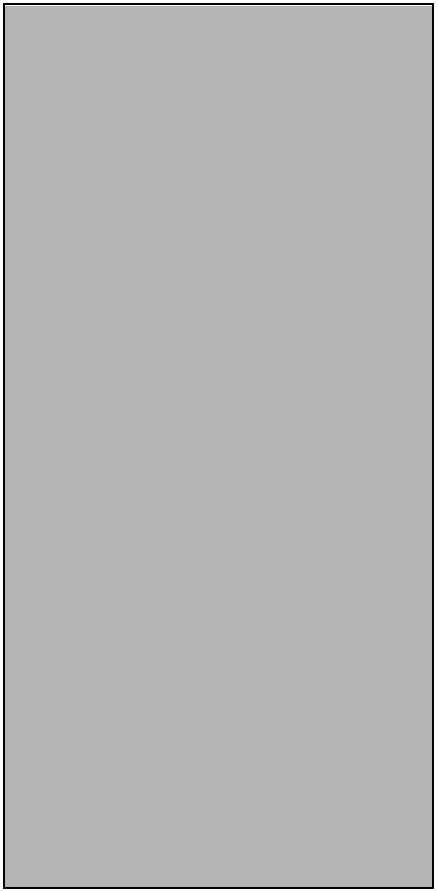
There are three separate fuse boxes fitted to the vehicle, each one containing fuses protecting a different group of circuits.

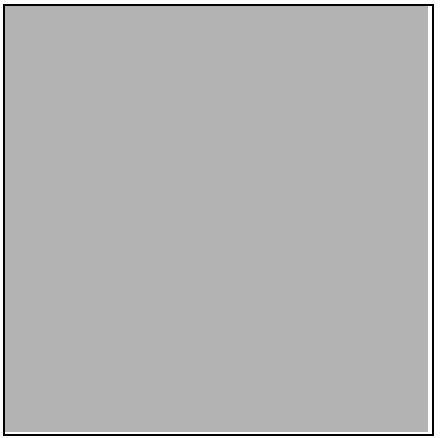
They are located in:

A. the engine compartment

B. the passenger compartment

C. the trunk





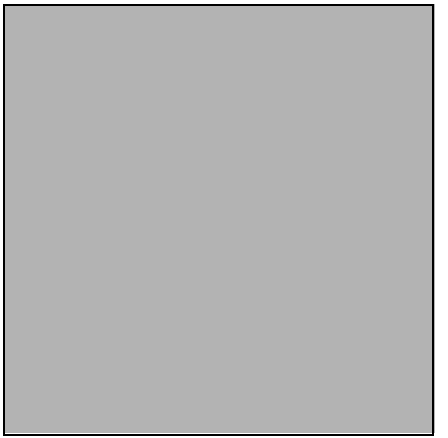
Engine compartment fuse box

The fuse box is located in the engine compartment on the right-hand side adjacent to the windscreen wash reservoir.

Caution: When a fuse box lid is removed, take care to protect the box from moisture, and refit the lid at the earliest opportunity.

Remove the fuse box lid by pressing the retaining lugs and lifting.

When refitting, press the fuse box lid in the area of the retaining lugs until the lid engages.

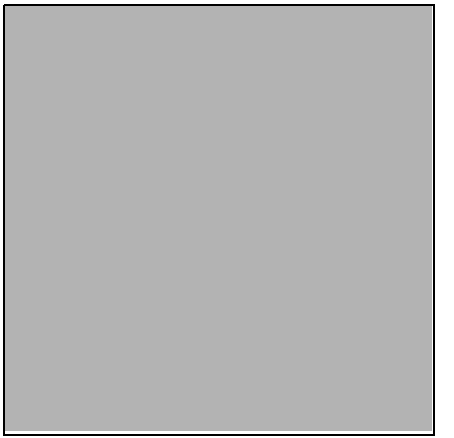


Passenger compartment fuse box

The passenger compartment fuse box is located on the right-hand side trim panel in the footwell.

Remove the fuse box lid by pressing the retaining lugs and lifting.

When refitting, press the fuse box lid in the area of the retaining lugs until the lid engages.



Trunk fuse box

A fuse box is located in the trunk, situated forward of the battery.

Fold the trunk floor panel to gain access to the fuse box.

Remove the fuse box lid by pulling the retaining clips and pulling the lid upwards.

Reposition the lid and press down until the retaining clips engage.

Replace the floor panel.

Fuse Positions

A – Engine compartment fuse box
B – Passenger compartment fuse box
C – Trunk fuse box

Spare fuses

Fuse locations and details

Engine compartment fuse box

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
1	mini	10	Red	Air conditioning clutch, (auxiliary water pump – V8 engine only)
2	mini	10	Red	Windshield washer pump
3	mini	15	Blue	Fog lamp, LH/RH
4	mini	15	Blue	Horns
5	mini	20	Yellow	Fuel injection
6	mini	15	Blue	Transmission solenoid
7				Not used
8				Not used
9				Not used
10				Not used
11	mini	15	Blue	Heated oxygen sensors, air conditioning clutch coil relay
12	mini	10	Red	Coil on plugs

Engine compartment fuse box (continued)

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
13	cartridge	40	Green	LH heated windshield
14	cartridge	30	Pink	ABS module
15	cartridge	40	Green	RH heated windshield or Heated wiper park
16	cartridge	30	Pink	Blower motor
17				Not used
18	cartridge	40	Green	Powertrain Control Module (PCM)
19				Not used
20				Not used
21	cartridge	30	Pink	Starter solenoid
22	cartridge	30	Pink	ABS motor
23	cartridge	20	Blue	Wiper motor
24	cartridge	30	Pink	Headlamp washer pump
25		80		Cooling fan motor

Passenger compartment fuse box

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
1	mini	5	Brown	Starter relay coil via Park/Neutral switch
2	mini	5	Brown	Radio
3	mini	5	Brown	ABS/Dynamic Stability Control (DSC) module
4	mini	5	Brown	Powertrain Control Module (PCM) relay coil, instrument cluster, fuel pump relay, Rear Electronic Module (REM), transit relay
5	mini	5	Brown	Autolamp sensor, traction control switch, overdrive cancel switch, heated seat modules, brake shift interlock.
6	mini	10	Red	OBDII
7	mini	5	Brown	Driver's Door Module (DDM), Driver's Seat Module (DSM), Powertrain Control Module (PCM), Passive Anti-Theft System (PATS) LED, security horn, power mirror
8	mini	5	Brown	Right front – direction indicators, side repeaters, side markers, parking lights
9	mini	10	Red	Right front – low beam headlamp
10	mini	5	Brown	Left front – direction indicators, side repeaters, side markers, parking lights
11	mini	10	Red	Left front – main beam headlamp
12	mini	10	Red	Headlamp levelling
13	mini	5	Brown	Instrument cluster
14	mini	10	Red	Restraints Control Module (Airbag), Dual Automatic Temperature Control Module

Passenger compartment fuse box (continued)

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
15	mini	5	Brown	Adaptive damping module
16	mini	5	Brown	Heated seat switch module, electrochromic mirror, rain sensor
17	mini	5	Brown	Restraints Control Module (Airbag) and alternator warning lamp
18	mini	20	Yellow	Radio, cellular phone, navigation
19	mini	15	Blue	Steering column motors
20	mini	10	Red	Generic Electronic Module (GEM), air conditioning, instrument cluster, rear electronic control module
21	mini	10	Red	Power folding mirror, sunblind
22	mini	10	Red	Driver's door mirror
23	mini	10	Red	Right front – main beam headlamp
24	mini	5	Brown	Passive Anti-Theft System (PATS)
25	mini	10	Red	Left front – low beam headlamp
26				Not used
27	mini	10	Red	Navigation display, radio, phone, navigation module, traffic master
28	mini	5	Brown	Security horn
29	mini	5	Brown	Voice control, reverse park aid, trailer tow ignition sense, Vehicle Emergency Messaging System (VEMS), Generic Electronic Module (GEM)

Passenger compartment fuse box (continued)

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
30	mini	5	Brown	Generic Electronic Module (GEM), passenger power mirror
31	mini	10	Red	Not used
32	mini	20	Yellow	Accessory socket, cigar lighter
33	mini	10	Red	Generic Electronic Module (GEM)
34	mini			Not used
35	mini	5	Brown	Stop lamp switch

Luggage compartment fuse box

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
1	mini	15	Blue	Luggage compartment lid release
2	mini	10	Red	Right rear – reverse lamp, direction indicator, side markers, fog lamps, licence plate
3	mini	10	Red	Left stop lamp, tail lamp, trailer tow relay
4	mini	10	Red	Fuel flap release, trunk lamp
5	mini	10	Red	Courtesy and map lamps
6	mini	10	Red	Left rear – reverse lamp, direction indicator, side markers, fog lamps
7	mini	10	Red	Right stop lamp, tail lamp
8	mini	10	Red	High mounted stop light
9	mini	5	Brown	Heated mirror
10	mini	5	Brown	Traffic master
11	mini	15	Blue	Seat heaters
12	mini	5	Brown	Transit relay
13	mini	15	Blue	Adaptive damping module
14	mini	5	Brown	Cellular phone, CD changer, Vehicle Emergency Messaging System (VEMS)
15	mini	5	Brown	Alternator Sensor
16	mini	20	Yellow	Sunroof

Luggage compartment fuse box (continued)

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
17	mini	15	Blue	Fuel pump
18	mini	20	Yellow	Subwoofer amplifier
19	cartridge	20	Blue	Rear Electronic Module (REM) – left rear window
20	cartridge	30	Pink	Driver's door module (DDM) – driver's window
21	cartridge	30	Pink	Driver's lumbar
22	cartridge	20	Blue	Ignition
23	cartridge	30	Pink	Switched system power 4
24	cartridge	30	Pink	Switched system power 3
25	cartridge	40	Green	Primary Junction Box (PJB)
26	cartridge	20	Blue	Generic Electronic Module (GEM) – passenger window
27	cartridge	30	Pink	Switched system power 1
28	cartridge	30	Pink	Passenger lumbar

Luggage compartment fuse box (continued)

Fuse No	Fuse Type	Rating (amps)	Colour	Circuit
29	cartridge	30	Pink	Rear screen defrost
30	cartridge	20	Blue	Rear Electronic Module (REM) – right rear window
31				Not used
32	cartridge	30	Pink	Switched system power 2