



RANGE ROVER

OWNER'S HANDBOOK SUPPLEMENT

This information relates to the ballistic protected upgrades fitted to this vehicle. It should be read in conjunction with the Owner's handbook.

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BALLISTIC PROTECTION DOORS



Due to the ballistic protection options used on your vehicle, the weight of the doors has increased considerably. To accommodate this increase in weight, the hinges, spindles and door stop mechanisms, have been reinforced.



Do not open the vehicle doors until the vehicle has come to a complete rest. The combination of vehicle movement and the weight of the doors, may cause damage to the vehicle and may also injure passengers or pedestrians.

VEHICLE MAXIMUM SPEED



The maximum speed of this vehicle is limited to 110 mph (176 km/h).

TOWING



This vehicle is not approved for towing.

ROOF RACK



Do not fit a roof rack to this vehicle.

OFF-ROAD AND DRIVING DYNAMICS



The weight of the armour added to the vehicle weight, results in the vehicle having a greater mass and higher centre of gravity than the standard vehicle. As a result, the performance and dynamics of the vehicle are quite different and the off-road capability of the vehicle is reduced. Drivers are advised to make sure that they are fully aware of the vehicle's dynamic and off road capabilities and should drive appropriately.

Appropriate driver training should be considered before entering any potentially hostile situation.



If the underside of the vehicle comes into contact with the ground, for example, when driving off-road or over deep potholes, the vehicle should be inspected by a Land Rover Retailer/Authorised Repairer, at the earliest opportunity.

SPLIT CHARGE SYSTEM

The split charge system (if fitted) incorporates an additional battery, which is charged by the vehicle's main electrical system. No driver action is required.

The split charge system provides additional electrical capacity for accessories.

Note: Always consult a Land Rover Retailer/Authorised Repairer before installing any accessory parts or equipment.

AIRBAGS/CHILD SAFETY



For occupant protection, seat belts must be worn.

The front passenger airbag on this vehicle cannot be disabled, as detailed in the Owner's handbook.



Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!



NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it. DEATH or SERIOUS INJURY to the CHILD can occur.

The Front Passenger information in this table is supplementary to that detailed in the Owner's handbook, in the Child Safety section.

Seating position	Mass group				
	0 = Up to 10 kg 0-9 months	0+ = Up to 13 kg 0-18 months	I = 9-18 kg 9 months to 4 years	II = 15-25 kg 4-9 years	III = 22-36 kg 8-12 years
Front passenger	X	X	UF	UF	UF

X = Not suitable for the use of child restraints of this mass group.

UF = Suitable for forward facing child restraints of this mass group.

ALARM SYSTEM

There are a number of additional security features, some of which are selectable options. In order to make sure of maximum security, you are strongly advised to gain a full understanding of the features and alternatives available, by reading this supplement in conjunction with the Owner's handbook.

AUTO LAMPS

Auto lamps and auto high beam functions do not operate on this vehicle.

ELECTRIC WINDOWS

Due to the armoured protection, the front electric windows only lower a short distance. The rear windows do not open.



Anti-trap is not a feature of this vehicle. Make sure that occupants are clear of the window before raising it.

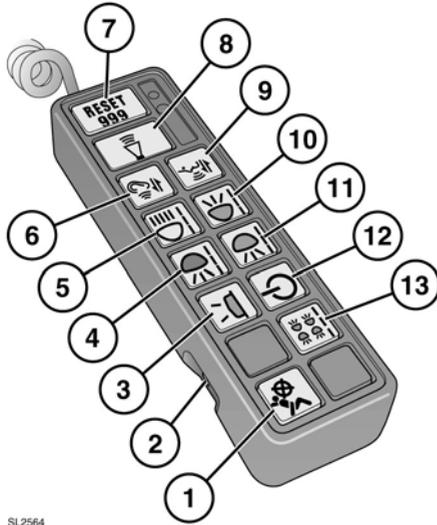
Armoured options

GENERAL INFORMATION

Note: In order to meet individual customer requirements, bespoke options may not be detailed in this Owner's handbook supplement.

REMOTE SWITCH PANEL

The vehicle is fitted with a remote switch panel, which is located in the passenger glove compartment. Depending on the options specified, the operation of the switches is as follows:



SL2564

1. Armoured Vehicle Evasive Switch (AVES): Press to switch OFF the front air bags and fuel cut-off suppressor.
2. PA system: Press to talk to people outside of the vehicle.
3. Not available.
4. Rear covert lamps (red flashing): Press to operate.
5. Front covert lamps (white flashing): Press to operate.
6. Intercom: Press to listen.
7. Programmable to customer requirements.
8. Siren: Press to operate the siren.
9. Intercom: Press to talk.
10. Front covert lamps (blue flashing): Press to operate.
11. Rear covert lamps (blue flashing): Press to operate.
12. Reserved spare on/off switch (optional).
13. 360° blue operation lamps, positioned on each of the 4 corners of the vehicle: Press to operate.

INTERCOM

The intercom system allows communication between the vehicle interior and exterior while the vehicle windows are closed.

The interior microphone is located in the roof console, adjacent to the interior light.

The exterior microphone is located in the driver's side mirror.

To operate the intercom:



With the ignition switched on or the engine running, press the switch to listen.



Press the switch to talk.

Note: To maintain a two-way conversation, press and hold the listen button and press the talk button, when required.

SIREN



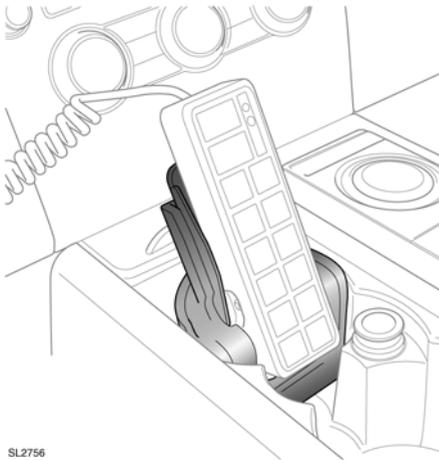
Press to arm the siren.

The siren is then operated by pressing the steering wheel horn switches. A further press of the horn switches toggles the tone of the siren. Two pushes of the horn switches in quick succession, silences the siren.

The siren remains armed until the siren button is pressed again to disarm it.

REMOTE SWITCH PANEL STORAGE

The remote switch panel can be stowed in the glove box or in a dedicated holder, which is located in a cup holder on the centre console.

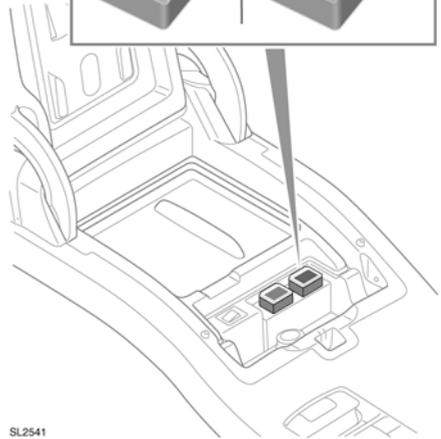
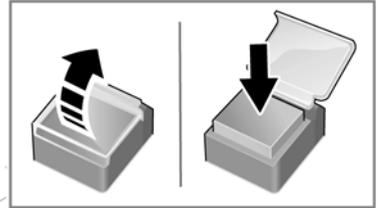


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FIRE SUPPRESSANT SYSTEMS

If an under bonnet fire is sensed, the system (if fitted) will automatically operate. The green firing button can be used as a manual override to fire the under bonnet system.

If an under floor fire is sensed, the under floor system must be manually operated by pressing the red firing button, located in the front centre storage compartment.



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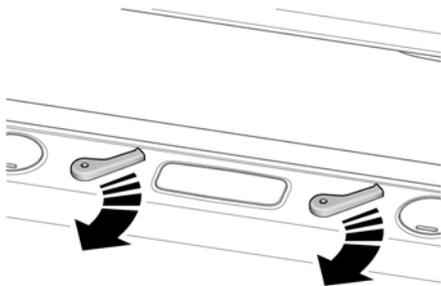
Lift up the cover and press the appropriate button. The green button operates the under bonnet system. The red button operates the under floor system.

Note: The electrical circuit continuity and battery condition, must be checked weekly by the vehicle user. Refer to the Maintenance section of this supplement.

Note: If either of the fire suppressant systems has been operated, the vehicle must be returned to a Land Rover Retailer/Authorised Repairer for repair.

EMERGENCY INTERIOR GLASS RELEASE

In an emergency, the interior glass panel behind the rear seats can be released.

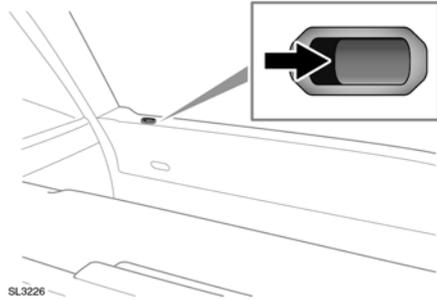


SL3200

1. Pull on the 2 levers to break the anti-tamper tags and release the glass panel.
2. With firm pressure, push the glass on the bottom edge to release the panel into the loadspace.

Note: *If the interior glass panel has been released, it must be replaced by a Land Rover Retailer/Authorised Repairer.*

INTERIOR TAILGATE RELEASE

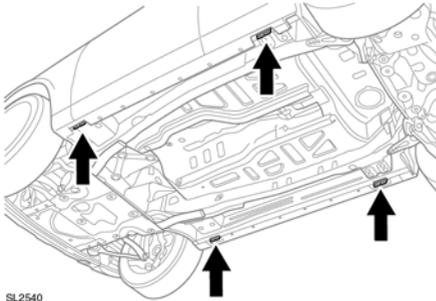


The tailgate can be manually opened from inside the vehicle to allow passengers to exit in an emergency. The tailgate release is located on the top of the tailgate's trim panel.

CHANGING A WHEEL

If your vehicle is fitted with a spare wheel and trolley jack, read the following instructions.

JACKING POINTS



SL2540

There are 4 jacking points, located as shown in the graphic.

RAISING THE VEHICLE

-  Make sure that the jack is on firm level ground.
-  Never place anything between the jack and the ground or the jack and the vehicle.
-  Before raising the vehicle, chock the road wheels using suitable wheel chocks. Place the chocks on both sides of the wheel diagonally opposite the wheel to be changed.
-  If jacking the vehicle on a slight slope is unavoidable, place the chocks on the downhill side of the two opposite wheels.
-  Take care when lifting the spare wheel and removing the punctured wheel. The wheels are heavy and can cause injuries, if not handled correctly.



Take care when loosening the wheel nuts. The wheel brace may slip off if not properly attached and the wheel nuts may suddenly give way. Either unexpected movement may cause injury.



The jack is designed for wheel changing only. Never work beneath the vehicle with the jack as the only means of support. Always use vehicle support stands before putting any portion of your body beneath the vehicle.



Always position the jack from the side of the vehicle, in line with the appropriate jacking point.



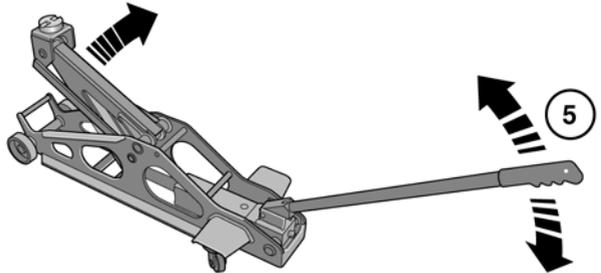
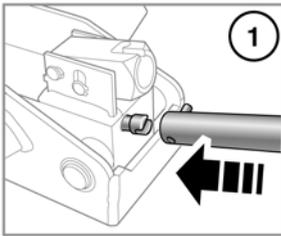
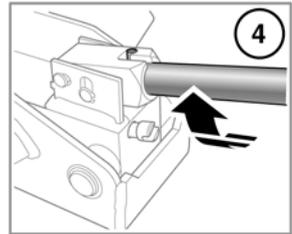
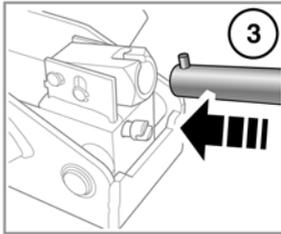
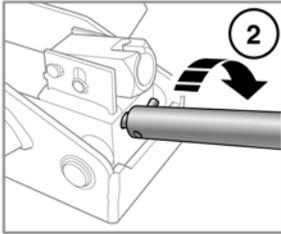
Only jack the vehicle using the jacking points described or damage to the vehicle could occur.

Note: Before positioning the jack under the vehicle, make sure that the air suspension is set to off-road height.

Note: Your vehicle is fitted with a tilt sensor, which activates the alarm if the vehicle is tilted in any direction, after it has been locked. If you wish to have the doors locked while jacking up the vehicle, lock the doors by pressing the lock button on the remote control once.

Wheel changing

OPERATING THE TROLLEY JACK



SL2538

Raising the jack:

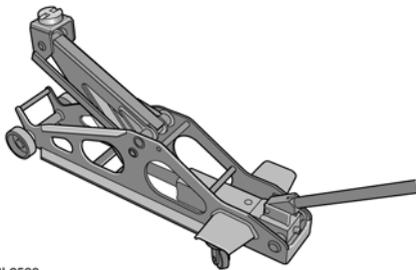
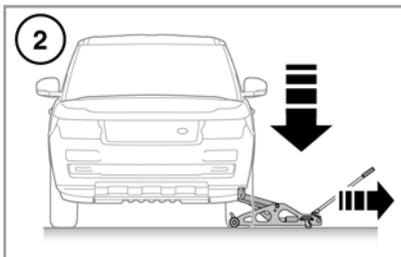
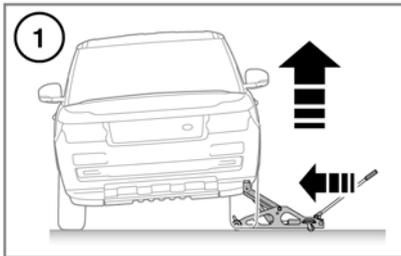
1. Locate the open end of the jack lever over the jack release valve.
2. Turn the valve fully clockwise to close it.
3. Insert the jack handle into the receiver on the jack.
4. Turn the jack handle clockwise to secure it in place.
5. Position the jack beneath the jacking point.
6. Operate the jack handle up and down to position the jack head correctly on the jacking point.
7. Continue operating the jack lever to raise the vehicle.
8. When the vehicle is sufficiently raised to perform a wheel change, remove the jack lever.

When the vehicle is at the required height, remove the handle from the jack.

Lowering the jack:

1. Locate the open end of the jack lever over the jack release valve.
 Do not allow the vehicle to drop suddenly, as this could cause damage.
2. Slowly turn the valve counter-clockwise to release hydraulic pressure and allow the vehicle to lower in a controlled manner.
3. To stop/control the vehicle lowering, turn the valve clockwise to partially close it.

JACK MOVEMENT PRECAUTIONS



SL2539

As the lifting arm of the trolley jack is raised or lowered, the main body of the jack will move towards or away from the vehicle:

1. Raising the vehicle - the jack moves forwards.
2. Lowering the vehicle - the jack moves backwards.



It is important to clear away any stones and other debris from the ground, that might prevent free movement of the jack. Should the jack not be able to move, it could be damaged or the head of the jack could damage the vehicle jacking point. It could possibly cause other damage to the vehicle body.

Check that the wheels of the jack are free to rotate and are not stiff or seized.

Storing the jack after use:

With the jack in the fully closed position and the release valve in the open position, remove the jack lever.

ROUTINE MAINTENANCE

This armoured vehicle requires routine maintenance in addition to that shown in the Owner's handbook.

DAILY CHECKS

Check the tyre pressures.

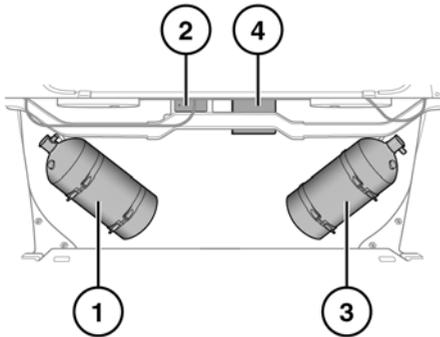
WEEKLY CHECKS

Fire suppressant systems.

FIRE SUPPRESSANT SYSTEMS

The fire suppressant systems must be serviced every 2 years. A service due date is written on the contents label of the cylinders.

Check that the needle on the gauge of each cylinder is in the green area. Your Land Rover Retailer/Authorised Repairer will replace the cylinders, as required, at a scheduled service.



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Cylinder (1) and control box (2) are for the under floor fire suppressant system.

Cylinder (3) and control box (4) are for the under bonnet fire suppressant system.

The fire suppressant cylinders and control boxes are located in the loadspace area.

The batteries are located inside the control boxes.

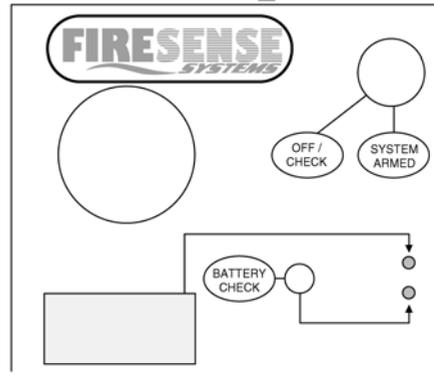
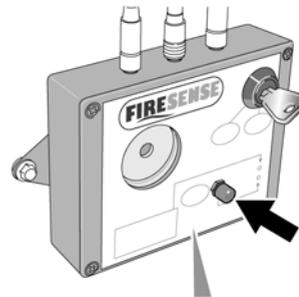


System continuity and the battery condition must be checked weekly.



Batteries must be high quality Alkaline PP3. Make sure that they are not old stock, as this will reduce effectiveness.

Under bonnet system battery check:



SL2535



Make sure that the key switch on the control box is in the **OFF/CHECK** position, before testing battery condition.

To check battery condition, press and hold the red **BATTERY CHECK** button on the Firesense control box. The following LED responses can be seen:

Flashing yellow light - indicates that the batteries are in a good state of charge.

Weak yellow light - indicates that the batteries are low in charge, replace the batteries. **If in doubt, replace the batteries.**

Under bonnet system continuity test:

- ❗ Make sure that the key switch on the control box is in the **OFF/CHECK** position, before starting this test.

Press the green manual firing button, located in the front centre storage compartment.

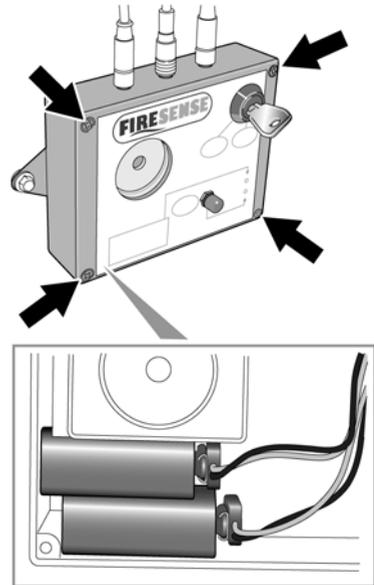
Red light - when the green manual firing button is pressed, the sounder will emit a pulsing tone. The red light indicates good electrical continuity.

Note: If the fire system has detonated, the batteries must be replaced.

Note: The batteries must be replaced at least every 12 months.

Replacing the under bonnet system batteries:

- ❗ Make sure that the key switch on the control box is in the **OFF/CHECK** position.

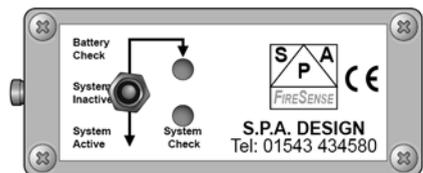


SL2536

Remove the 4 fixings with a cross head screwdriver. Remove and replace the batteries. Use new, high quality Alkaline PP3 batteries.

- ❗ When replacing the front cover, make sure that the internal wiring is not damaged.

Under floor system battery check:



SL3222

To check battery condition, press and hold the switch on the FireSense control box in the **Battery Check** position. The following LED responses can be seen:

Flashing yellow light - indicates that the battery is in a good state of charge.

Weak yellow light - indicates that the battery is low in charge, replace the battery. **If in doubt, replace the battery.**

Return the switch to either the **System Inactive** or **System Active** position.

Under floor system continuity test:

- ⚠ Make sure that the switch on the control box is in the **System Inactive** position, before starting this test.

Press the red manual firing button, located in the front centre storage compartment.

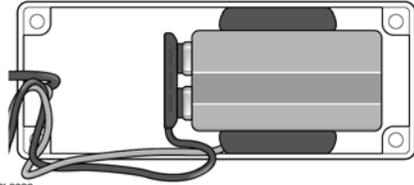
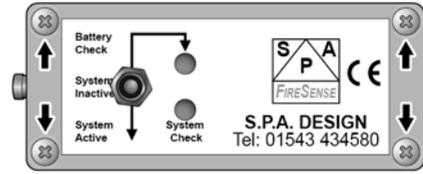
Red light - indicates good electrical continuity.

Note: *If the fire system has detonated, the battery must be replaced.*

Note: *The battery must be replaced at least every 12 months.*

Replacing the under floor system battery:

- ⚠ Make sure that the switch on the control box is in the **System Inactive** position.



SL3223

Remove the 4 fixings with a cross head screwdriver. Remove and replace the battery. Use a new, high quality Alkaline PP3 battery.

- ⚠ When replacing the front cover, make sure that the internal wiring is not damaged.

REPAIRS TO ARMOURED VEHICLES

In the event of damage being sustained to the armoured vehicle, the vehicle must be returned to a Land Rover Retailer/Authorised Repairer, where the method of repair will be assessed.

WHEEL SIZE AND TYPE

Wheel type	Size
Alloy wheels	8J x 20
Road wheel nut torque	170 Nm (125 lbf.ft)

TYRE SPECIFICATION

Goodyear, 255/55R20, 110W, Extra load, Eagle F1 Asymmetric, SUV.

TYRE PRESSURES



If the tyre has been used deflated, the tyre must be replaced.



It is important that the tyres are properly inflated. Air pressure enables a tyre to support the vehicle load, so proper inflation is critical. Failure to maintain correct inflation pressures may result in rapid and uneven tread wear, erratic vehicle handling and excessive heat build-up. This may result in tyre failure.

The split rim wheels fitted to this vehicle provide a run on flat capability. This will enable the vehicle to be driven in a controlled manner with deflated tyres, for a limited period.

Loading condition	Pressure - bar (psi)
All vehicle load conditions	Front - 2.7 (40)
	Rear - 4.1 (60)

ARMOURED VEHICLE WEIGHTS

Approximate EEC kerb weights (full fuel tank)	3 721kg (8 203 lb)
Maximum gross vehicle weight (GVW)	4 430 kg (9 766 lb)
Maximum front axle load	1 900 kg (4 189 lb)
Maximum rear axle load	2 660 kg (5 864 lb)

Note: Axle weights are non-additive, i.e. maximum GVW is not calculated by adding together maximum front and rear axle loads. The above individual maximum axle weights and (GVW) must not be exceeded.

WINDOW CARE

The passenger compartment of your vehicle is fitted with composite type ballistic protection glass.

The loadspace windows are standard toughened glass, with an anti-shatter film applied to the inner surface.

To avoid damage to the windows resulting in reduced optical quality, the following care instructions must be observed.

GENERAL CARE

The protective film covering the inside of all the windows should be protected from any abrasive substance.

Where possible, the windows should not be raised or lowered, when grit or sand is present on the window seals.

The protective film covering the inside of the windows should not be rubbed, nor should any stickers or other adhesives, be placed on the inside.

CLEANING

Remove dust, grit and sand particles by blowing with clean, filtered air, preferably ionised, to minimise static attraction.

Once any dust, grit and sand particles have been removed, wash the windows with tepid water/detergent solution and dry using glove cloths.

Lightly rub to remove stubborn marks with a soft glove cloth impregnated with 50% isopropyl alcohol or ethanol in water. Follow by thoroughly washing with water/detergent. Frequently change the glove cloth.

Dry with light strokes using a clean, soft glove cloth. Fresh paint, grease and wet sealant may be similarly treated.

-  Do not stick any labels or stickers to the inside face of the window.
-  Do not wipe the inside face with dry, dirty rags.
-  Do not allow any subsequent exposure to solvents (other than those detailed previously).
-  Do not scrape the surface to remove marks or frost with any sharp instrument.
-  Do not allow any abrasive cleaner, steel wool or similar material to come into contact with the inside face of the window.
-  Do not wipe the inside face of the window with the hand, whether gloved or not.
The inside face of the window should not be allowed to come into contact with other organic materials, containing plasticisers or solvents e.g., PVC or solvent based protective lacquers.

CLIMATIC CONDITIONS

The vehicle should not be parked in a position, where it will be exposed to strong sunlight for long periods.

To avoid damaging the windscreen due to thermal shock, the following cautions should be observed.

-  Cold water should not be splashed onto the windscreen, where it has been heated by the sun or the vehicle's heater.

Care of windows

- ❗ Refrigerated air should not be directed at the base of the windscreen.
- ❗ Hot water should not be splashed onto the windscreen, when the windscreen's temperature is below 0°C.