ILESBUS

WHEN QUALITY COUNTS

GLANCE TOURISM
LHD-RHD
USER MANUAL

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01 GENERAL INFORMATION

INTRODUCTION

Welcome to ILESBUS

Welcome to the family of **ILESBUS** operators!

Thank you for choosing the **Iveco Tourizm** model, a leader in its class for reliability, comfort, and performance. This manual is designed to help you get the most out of your new vehicle and ensure it operates safely and efficiently.

Please take the time to read through this manual carefully to familiarize yourself with your vehicle's features and capabilities.

We hope that this manual serves as a valuable guide to understanding and enjoying your **ILESBUS Iveco Tourizm**. Safe travels!

Model Description

The **ILESBUS Iveco Tourizm** is crafted with precision engineering and designed for versatility, making it ideal for a range of applications from daily commuting to long-distance travel.

This right-hand drive model is equipped with a robust engine and state-of-the-art safety systems to provide exceptional driver and passenger comfort and security. With a focus on durability and environmental efficiency, the **Iveco Tourizm** offers advanced features such as improved fuel economy and reduced emissions, setting new standards in the bus and coach industry.

Keeping the Manual Accessible

It is essential to read this manual thoroughly to understand how to operate your **ILESBUS Iveco Tourizm** safely and efficiently.

Equally important is keeping this manual in the vehicle at all times. This ensures that it is readily available for quick reference in case you need to clarify operational procedures, troubleshoot issues, or guide new drivers and maintenance staff.

Storing the manual in a designated spot within the driver's cabin guarantees that all operators can access this vital information whenever required, contributing significantly to safe and informed vehicle handling.

Transfer of Ownership and User Manual

When transferring ownership of your **ILESBUS Iveco Tourizm**, it is crucial to include this user manual with the vehicle.

Keeping the manual with the bus ensures that the new owner has access to all necessary operational and safety information, which is essential for maintaining the vehicle's performance and safety standards. This practice not only supports the next owner in maximizing the vehicle's capabilities but also helps in preserving the longevity and value of the bus.

If you are purchasing this vehicle second-hand, ensure that the user manual is included in your purchase to have a complete understanding of its features and maintenance requirements.

Requesting New User Manual

If your user manual is lost or damaged, a replacement can be obtained to ensure continued access to important information about your **ILESBUS Iveco Tourizm.**

To request a new user manual, please contact ILESBUS customer service or visit your nearest authorized dealer.

We strongly recommend keeping the replacement manual in the vehicle at all times, just as with the original, to ensure that all those operating or maintaining the bus can do so with the most accurate and current information at their fingertips.

INTRODUCTION

How to Use this Manual

This manual is organized to provide you with detailed information and instructions needed to operate and maintain your **Iveco Tourizm** safely.

Each section is tailored to cover essential aspects of the vehicle, from operation and safety to maintenance and technical specifications. Use this manual as a comprehensive resource to maximize the performance and lifespan of your bus.

This manual includes a detailed index at the end of the document for easy navigation and quick reference. Throughout the manual, you will find cross-references that link related sections, allowing you to easily locate and refer back to relevant information as needed. These features are designed to enhance your understanding and efficient use of the manual.

All specifications, technical information, design properties, and technical drawings included in this manual are accurate as of the time of publication.

However, due to **ILESBUS**'s ongoing commitment to product enhancement, we reserve the right to implement changes at any time without prior notification.

Depending on regional requirements and configurations, the vehicle depicted in the illustrations may vary from your specific model in terms of color and equipment.

Symbols Used in this Manual

These symbols are designed to make the manual easier to read and to ensure that critical information is not overlooked.

Please familiarize yourself with these symbols to make the most effective use of this manual.

NOTE

Highlights additional information and tips that can help in better understanding the vehicle's features, or in achieving more efficient and convenient operation.

INFORMATION

Points out important information or advice that can assist in the proper management and care of your vehicle.

WARNING

This symbol indicates a potential risk of injury or death. Pay special attention to these sections to understand the hazards and learn how to avoid them.

CAUTION

Denotes information that, if not followed, could result in damage to your vehicle or improper functioning. These are not life-threatening conditions but could have financial or operational impacts.

PROHIBITED ACTION

Accompanies descriptions where specific actions are advised against. This helps prevent actions that could be unsafe or damaging to the vehicle.

MANDATORY ACTION

Indicates that an action must be taken to ensure safe and correct operation of the vehicle. These instructions should be followed exactly as described.

ENVIRONMENTAL CARE

Identifies practices or tips that are environmentally friendly, such as proper disposal of materials or efficient use of resources.

Definitions of Directions

In this user manual, specific terms are used to describe the directions and positions relative to the normal operating position inside the vehicle. Understanding these terms is crucial for correctly interpreting the instructions provided.

These directional terms are used consistently throughout the manual to ensure clarity and precision in the instructions and information provided. It is important to familiarize yourself with these terms to effectively follow the maintenance procedures, operation instructions, and safety guidelines described in this manual.

Here are the definitions of directional terms used throughout this manual for the (**RHD**) drive model:

- **Left (L) and Right (R):** These terms are used to denote sides of the vehicle as viewed from the driver's perspective while sitting in the driver's seat facing forward. "**Right**" is the passenger side, and "**Left**" is the driver's side.
- **Front:** This refers to the area of the vehicle towards the front bumper, indicating the direction the vehicle moves when going forward.
- **Rear:** This term refers to the area of the vehicle towards the rear bumper, which is opposite the direction of forward movement.
- **Upward** and **Downward:** These directions refer to movements towards the roof and the floor of the vehicle, respectively.
- **Inward** and **Outward:** The term "**Inward**" indicates movement towards the interior or centerline of the vehicle, while "**Outward**" refers to movement towards the exterior or away from the vehicle.

Units of Measurements

To ensure clarity and precision in the descriptions and specifications throughout this manual, specific units of measurement are used. Here is a guide to the units used and their contexts:

- **Length**, **Width**, **Height**, and **Distance**: Measurements related to the dimensions of the vehicle or parts thereof are provided in millimeters (**mm**) , while longer distances, such as those related to driving, are provided in kilometers (km).
- **Engine and Mechanical Components:** Engine displacement is expressed in cubic centimeters (**cc**), while power output is given in kilowatts (**kW**) and horsepower (**hp**). Torque measurements are provided in Newton-meters (**Nm**).
- **Weight:** Vehicle weight, load capacity, and other related measurements are given in kilograms (**kg**).
- **Temperature:** Temperatures, such as those for engine operation and climate control settings, are provided in degrees Celsius (**°C**).
- **Pressure:** Pressure measurements, including tire pressure and hydraulic pressures, are expressed in **bars** or pounds per square inch (**psi**).
- **Volume:** Fluid volumes, such as oil, fuel, and coolant capacities, are provided in liters (**L**).
- **Fuel Consumption** and **Efficiency**: These are typically expressed in liters per 100 kilometers (**L/100 km**).
- **Speed:** Vehicle speed and speed limits are expressed in kilometers per hour (**km/h**).

SAFETY INFORMATION

General Safety Instructions

Warranty Exclusions

Safety is paramount when operating any vehicle, especially when it comes to commercial transportation like the **ILESBUS Iveco Tourizm**. This section outlines the essential safety protocols, features, and practices to ensure the safety of both the driver and passengers. Adherence to these guidelines is crucial for preventing accidents and minimizing the risk of injuries.

Driver Readiness

Ensuring that drivers are prepared and qualified to operate the **ILESBUS Iveco Tourizm** is fundamental to maintaining safety standards.

All drivers must hold a valid commercial driving license appropriate for this class of vehicle. They should receive specific training on the features and handling characteristics of the **ILESBUS Iveco Tourizm** to fully understand how to manage its size and performance safely.

It is also crucial to establish clear policies against driving under the influence of alcohol, drugs, or fatigue. Regular health and wellness checks can help assess a driver's physical and mental fitness, as fatigue and health issues can significantly impair driving abilities.

Implementing a routine that includes sufficient rest periods and breaks during long trips is essential to keep drivers alert and responsive.

Additionally, ongoing education and training programs should be instituted to keep drivers updated on new safety protocols, road laws, and vehicle operation techniques.

This comprehensive approach ensures that every driver is not only licensed and trained but also continuously supported to maintain peak performance and safety.

Pre-Drive Checks

Conducting thorough pre-drive inspections is essential to ensure that the **ILESBUS Iveco Tourizm** is in optimal condition before hitting the road. These checks should be comprehensive and cover several critical areas of the vehicle:

- **Visual Inspection:** Walk around the vehicle to inspect for any visible damage or leaks from the engine or undercarriage. Check that all doors, including emergency exits, open and close properly. Ensure that all windows are clean and provide unobstructed views.
- **Tire Inspection:** Verify that all tires are inflated to the correct pressure as specified in the manual. Inspect tires for any signs of wear or damage, such as cracks or bulges in the sidewalls, and check the tread depth to ensure it is above the legal minimum.
- **Fluid Levels:** Check all fluid levels including engine oil, coolant, brake fluid, and windshield washer fluid. Top up any fluids that are below the recommended levels to ensure proper vehicle function and to prevent damage.
- **Lights & Signals:** Test all lights (headlights, tail lights, brake lights, and turn signals) to ensure they are working correctly and are visible. Replace any burnt-out bulbs immediately to maintain visibility and communication with other road users.
- **Brakes & Steering:** Test the responsiveness of the brake pedal and steering wheel during a slow-speed maneuver. Ensure there is no unusual stiffness or looseness in steering, and that the brakes do not feel spongy or overly hard.
- **Safety Equipment:** Confirm that all safety equipment, including seat belts, fire extinguishers, and first aid kits, are in place, functional, and accessible.
- **Documentation:** Ensure that all necessary documentation, such as the vehicle's registration, insurance, and any required permits, are present in the vehicle.

Pre-Drive Checks

Regularly performing these pre-drive checks helps identify potential issues before they lead to mechanical failures or accidents, promoting a safer driving experience for both the driver and passengers. This routine also instills a sense of responsibility and attentiveness in drivers, contributing to overall vehicle longevity and reliability.

Emergency Equipment

Keeping well-maintained and accessible emergency equipment on board the **ILESBUS Iveco Tourizm** is crucial for dealing with unexpected situations effectively and ensuring the safety of all passengers. The following items should be included and regularly checked:

- **Fire Extinguisher:** Ensure that at least one fire extinguisher is available and easily accessible within the vehicle. It should be suitable for dealing with electrical and fuel fires, typically a dry powder or CO2 type. Regular inspections are necessary to check that the extinguisher is fully charged and has not passed its expiry date. Train all drivers on how to use the fire extinguisher properly.
- **First Aid Kit:** Maintain a fully stocked first aid kit that is compliant with local regulations concerning the minimum contents required. This kit should include items such as bandages, antiseptics, gloves, and scissors. Regularly check the kit to replace any used or expired items and ensure it is always accessible to the driver and passengers.
- **Emergency Hammer:** Equip the vehicle with an emergency hammer placed in an easily reachable location. This tool is essential for breaking windows in case of an emergency where doors cannot be opened.
- **Reflective Triangles and Safety Vests:** Store reflective triangles and safety vests to use in case of a breakdown or accident, especially in poor visibility conditions. These items help to alert oncoming traffic and enhance the safety of passengers and the driver while they are outside the vehicle.
- **Spare Tire and Tools:** Include a fully inflated spare tire, jack, and wheel wrench. Ensure that drivers are trained on how to change a tire safely and efficiently.
- **Emergency Instructions:** Provide clear, written instructions on the use of all emergency equipment. These instructions should also outline basic emergency procedures for accidents, medical emergencies, and vehicle breakdowns.

By maintaining a full inventory of emergency equipment and ensuring that all drivers are trained in its use, **ILESBUS** aims to prepare its operators for handling various on-road emergencies efficiently and safely.

This proactive approach not only enhances passenger safety but also supports drivers in managing potentially stressful situations confidently.

WARRANTY STATEMENTS

Standard Warranty Coverage

Duration & Scope

The **ILESBUS Iveco Tourizm** is backed by a comprehensive warranty that underscores our commitment to quality and reliability. The standard warranty covers your vehicle for a period of **2 years or 200,000** kilometers, whichever comes first, against manufacturing defects in parts, accessories, and other custom equipment installed by ILESBUS.

This warranty does not cover the engine, transmission, or other essential components of your vehicle; it only applies to electrical system parts, accessories, and other custom equipment installed by ILESBUS.

During this period, repairs or replacements due to normal use and material defects in components installed by ILESBUS will be carried out at no additional cost to the owner, provided the vehicle is serviced at an authorized ILESBUS service center.

This warranty is designed to provide peace of mind, offering strong support tailored to the specific needs of Iveco Tourizm operators, ensuring that your investment is well-protected.

Mileage Limit

The standard warranty for the **ILESBUS Iveco Tourizm** extends up to **200,000 kilometers.** This mileage limit is carefully determined to balance the expected durability and performance standards of the vehicle under typical operating conditions.

If the vehicle exceeds this mileage threshold within the **2-year** warranty period, the standard warranty coverage will terminate, regardless of the remaining time.

This mileage cap is designed to ensure that vehicle maintenance and performance are optimized according to the typical lifecycle expected from high-quality commercial vehicles. Owners are encouraged to monitor their vehicle's mileage closely and plan their servicing accordingly to maximize the benefits of the warranty while maintaining the vehicle's optimal condition.

Warranty Exclusions

While the **ILESBUS Iveco Tourizm** warranty provides comprehensive coverage, it is important to note that certain conditions may lead to its voidance.

- Exclusions apply to damages resulting from accidents, misuse, neglect, improper maintenance, or normal wear and tear.
- Modifications made to the vehicle without prior approval from authorized **ILESBUS** service centers also fall outside the scope of the warranty and may void it.
- The use of non-approved parts, improper repairs, or alterations that affect the vehicle's performance and safety are not covered under warranty.
- Environmental damage due to exposure to chemicals, salt, hail, floods, or other natural disasters will also void the warranty.

MANDATORY ACTION

Owners must adhere strictly to the maintenance guidelines specified in the user manual and use only authorized service centers for repairs to ensure that warranty coverage remains in effect.

Wear & Tear

The standard warranty for the **ILESBUS Iveco Tourizm** does not cover the natural deterioration of the vehicle's parts and components due to normal usage over time, commonly referred to as wear and tear. This includes but is not limited to items such as brake pads, tires, clutch linings, wiper blades, belts, hoses, and light bulbs. Such components are expected to degrade gradually under ordinary driving conditions and require periodic maintenance or replacement as part of regular vehicle care.

It is important for owners to understand that these routine maintenance and replacement costs are their responsibility and are not covered by the warranty.

WARRANTY STATEMENTS

Standard Warranty Coverage

Legal Disclaimers

The warranty provided with your **ILESBUS Iveco Tourizm** is subject to certain legal disclaimers.

It is intended to cover defects in materials and workmanship only under normal use and service.

The warranty does not apply to any vehicle that has been subjected to misuse, negligence, accident, or improper maintenance. **ILESBUS** disclaims all other warranties, express or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose, to the extent permitted by law.

Additionally, **ILESBUS** shall not be liable for incidental or consequential damages resulting from the use of the vehicle, such as loss of time, inconvenience, or commercial loss.

This warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction. Always consult your local **ILESBUS** dealer for detailed information about warranty coverage and limitations.

ILESBUS Customer Service Information

For any inquiries or assistance needed regarding your **Iveco Tourizm**, **ILESBUS** customer service is here to help. Whether you need a replacement user manual, have questions about your vehicle, or require technical support, our dedicated team is committed to providing the highest level of service.

İLES OTOMOTİV SANAYİ VE TİCARET AŞ.

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Our customer service centers are located globally to ensure prompt and efficient assistance. Please do not hesitate to reach out with any questions or concerns related to your **ILESBUS** vehicle.

We are here to support you in ensuring that your experience with our product is both satisfying and rewarding.

For any field operations in **UNITED KINGDOM** please contact:

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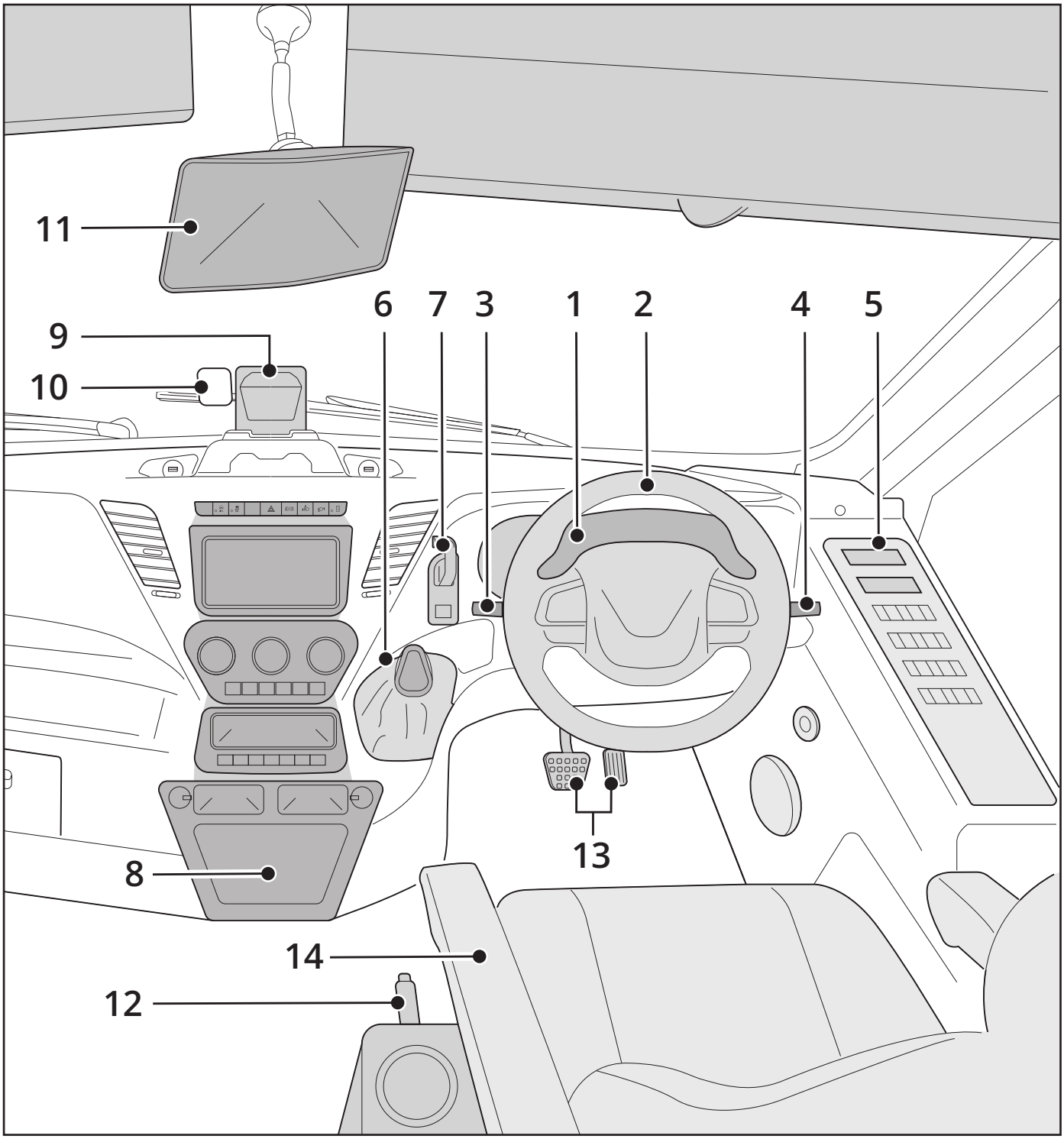
02 VEHICLE INFORMATION

DRIVING COMPARTMENT

DRIVER'S AREA

GENERAL VIEW (RHD)

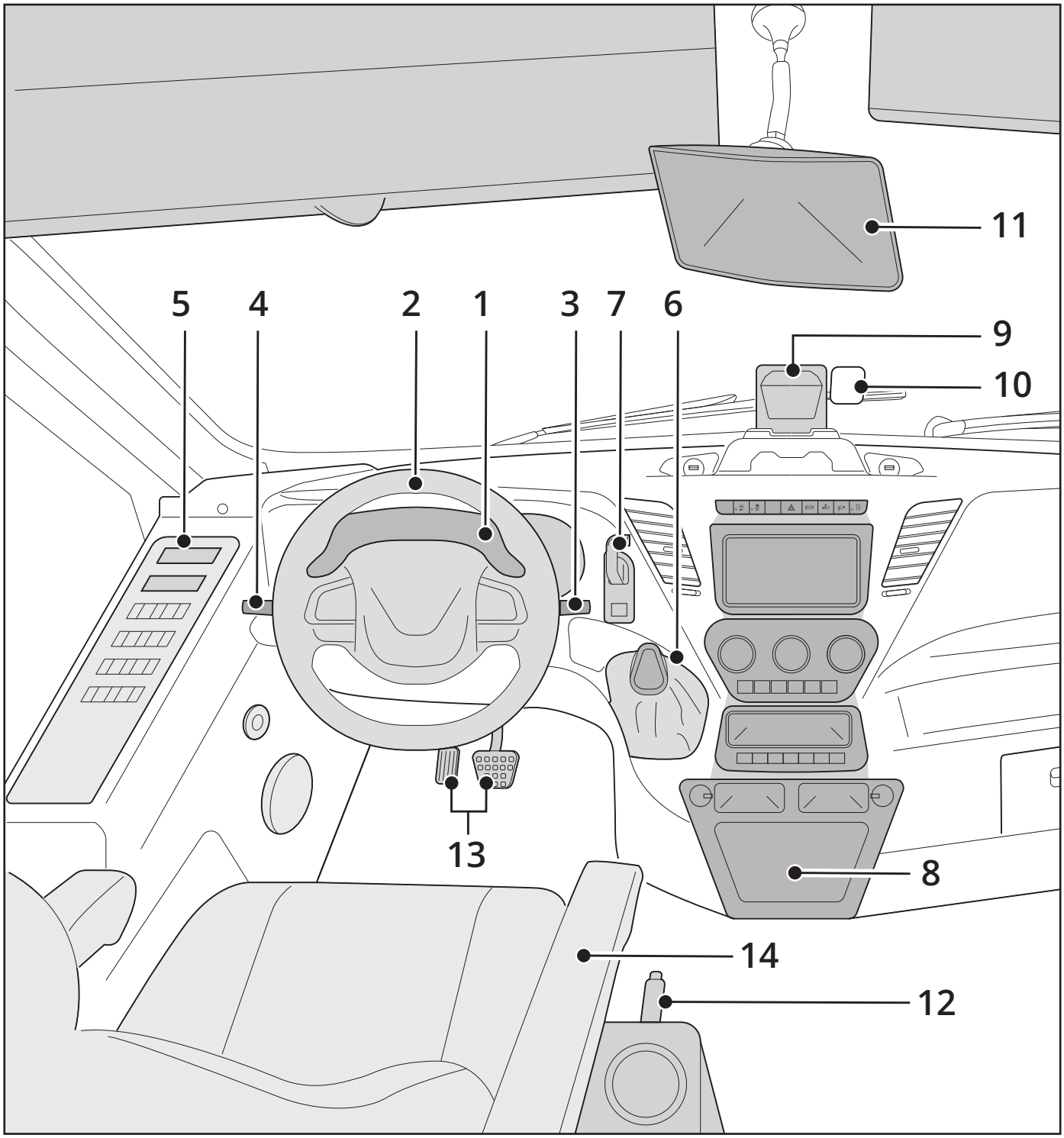


1. Instrument Panel
2. Steering Wheel
3. Left Control Lever
4. Right Control Lever
5. Right Control Panel (RHD)
6. Gearshift Control
7. Retarder Brake
8. Driver Console
9. Lane Departure Warning System
10. Rain & Day Light Sensor
11. Rear-View Mirror
12. Parking Brake
13. Pedals
14. Driver's Seat

DRIVING COMPARTMENT

DRIVER'S AREA

GENERAL VIEW (LHD)



1. Instrument Panel
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9. Lane Departure Warning System
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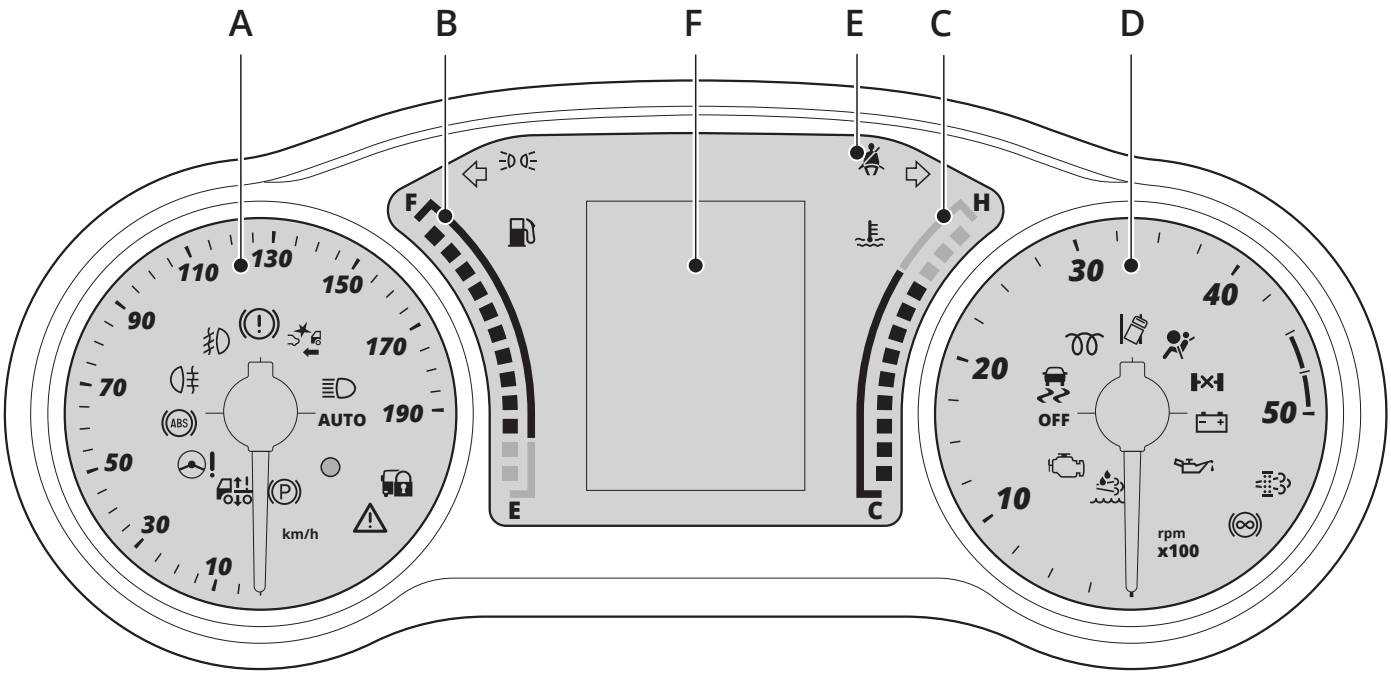


A. Speedometer

B. Fuel Level Gauge

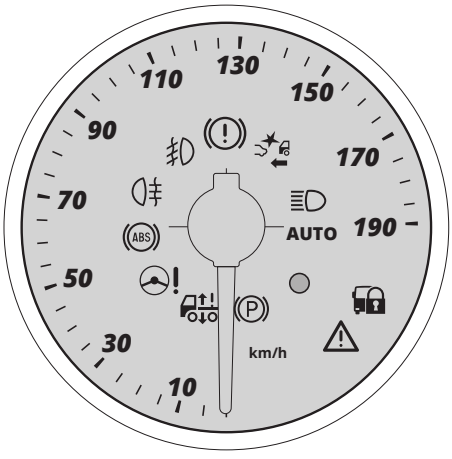
C. Engine Coolant Indicator

D. Rev Counter

E. Warning Lights & Indicators

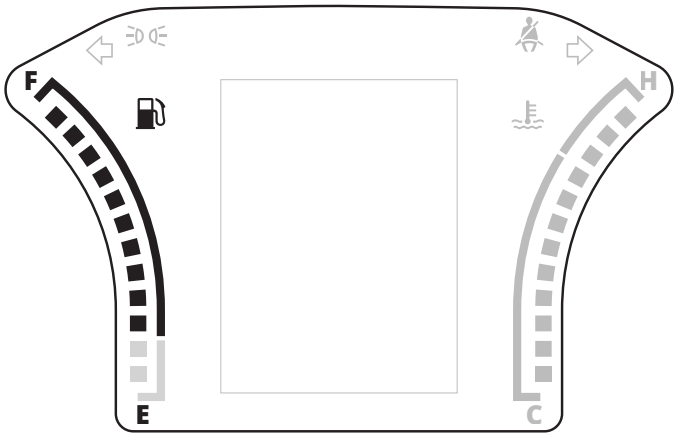
F. Trip Computer

SPEEDOMETER



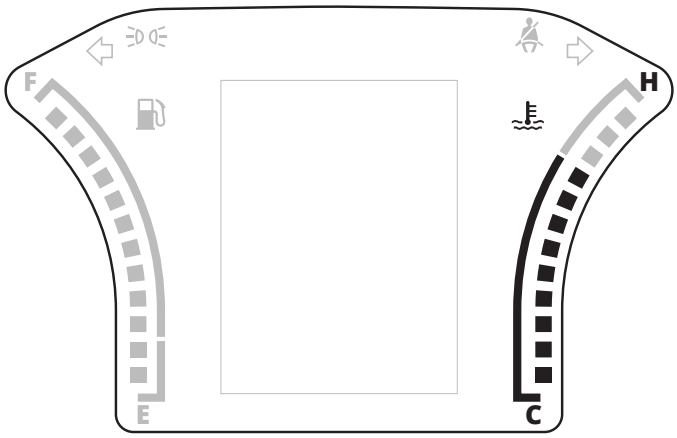
The speedometer is an essential instrument located on the dashboard, displaying the vehicle's current speed in miles per hour (mph) and/or kilometers per hour (km/h).

FUEL LEVEL GAUGE



It displays the amount of fuel remaining in the tank. Fuel level gauge helps drivers monitor fuel levels to avoid running out of fuel unexpectedly and plan refueling stops efficiently.

When the fuel level in the vehicle is low, the low fuel warning light will illuminate on the dashboard.



This gauge provides real-time information about the engine's operating temperature. Displays the engine's current temperature, marked with '**C**' for cold, '**H**' for hot, and a normal operating range in between.

- **Low Temperature (COLD):** means 50° C or lower coolant temperature.
- The average operating temperature is between **80 °C** and **95 °C**.
- **High Temperature (HOT):** means 130° C or higher coolant temperature.

Frequently check the engine coolant temperature indicator to ensure the engine is running at the correct temperature.

WARNING

The engine coolant indicator is near the red notch. If the red warning light activates, together with the multifunctional digital display, this indicates an excessive increase in the coolant temperature.

Keep an eye on the engine coolant temperature indicator, especially during heavy loads or hot weather conditions.

MANDATORY ACTION

Pull Over Safely: If you notice the engine coolant temperature indicator showing a high temperature, find a safe place to pull over and stop the vehicle.

Idle the Engine: Allow the engine to idle for a few minutes. This keeps the coolant circulating and helps dissipate heat more effectively. Turning on the heater to maximum can also help by transferring some of the engine's heat to the passenger compartment.

Turn Off the Engine: Once the temperature begins to drop and stabilizes, you can then turn off the engine.

Wait Before Opening the Hood: Allow the engine to cool down completely before attempting to open the hood or check the coolant level. This can take at least 15-30 minutes.

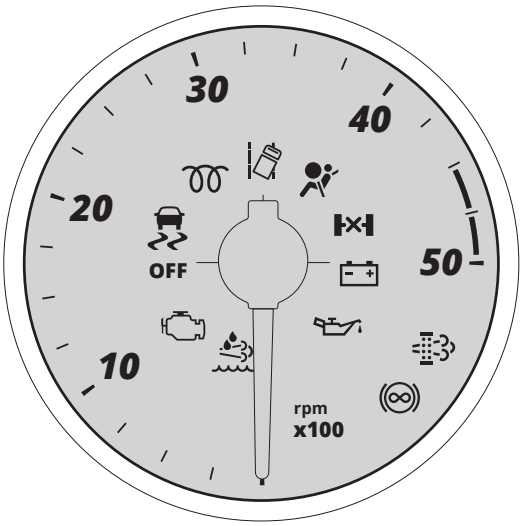
Inspect Coolant Level: After the engine has cooled, check the coolant level in the reservoir and add coolant if necessary.

PROHIBITED ACTION

Never open the radiator cap while the engine is still hot to avoid scalding from steam or hot coolant.

CAUTION

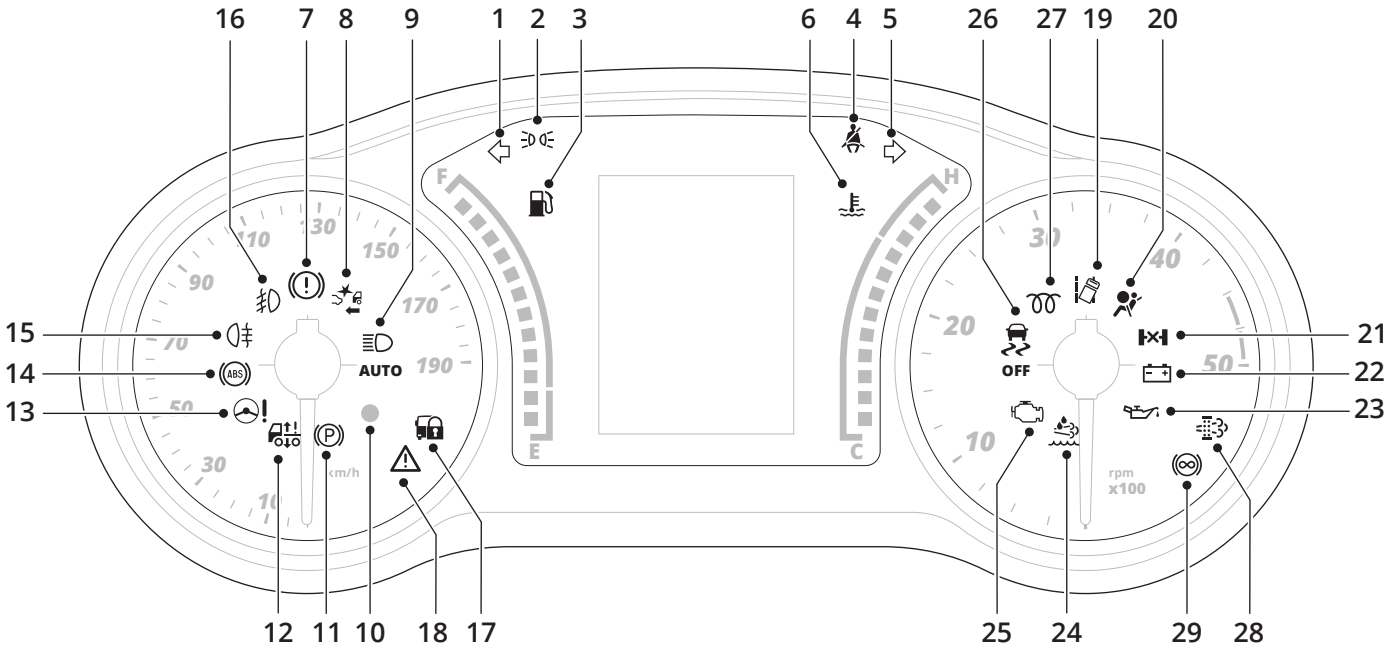
Persistent overheating indicates a problem that needs to be addressed. Have a qualified technician inspect the cooling system, including the thermostat, water pump, radiator, and coolant levels.



The rev counter provides information about engine rpm (revolutions per minute). With the engine idling, the revolutions counter may show a gradual or sudden change in engine rpm.

Typically, **idle** RPM ranges from **600-1000 RPM**, while the normal operating range is between **2000-4000 RPM**. The redline marks the maximum safe RPM, beyond which engine damage can occur.

The rev counter is crucial for engine health, optimal performance, and preventing over-revving. It aids in shifting gears at appropriate times and maintaining fuel efficiency.



NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
1	(green)	Left turn indicator (arrows)	The indicator light is activated when the control lever on the steering wheel is moved downwards.	---
		Hazard lights	The warning light comes on together with the right side turn indicator when the hazard warning light button is pressed.	---
2	(green)	External lights on	The warning light comes on when the front fog lights are switched on.	---
		Follow me home	The warning light comes on when this device is used (see the relevant paragraph).	---
3	(amber)	Fuel reserve	The warning light indicates that the fuel in the tank has reached a minimum level and the vehicle will only continue to run for a limited distance.	---
4	(red)	Safety belts not fastened	When the ignition key is set to MAR-1, the red indicator light comes on for a few seconds (to check the correct operation of the indicator light itself) after which, if there are no faults, it goesout. The indicator light comes on and stays on when the vehicleis stationary and the driver's seat belt or passenger side seat belt is not fastened (when there is a passenger present). The indicator light flashes and a buzzer sounds when the vehicle is moving and the seat belts of the front seats are not correctly fastened. In this case, fasten the seat belt.	To permanently deactivate the acoustic indicator, contact the ILESBUS Service Network. The acoustic indicator can be deactivated at any time from the setup menu of the display.

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
5	 (green)	Right turn indicator (arrows)	The indicator light is activated when the control lever on the steering wheel is moved upwards.	---
		Hazard lights	The warning light comes on together with the left side turn indicator when the hazard warning light button is pressed.	---
6	 (red)	High coolant temperature	The warning light activates when the engine coolant reaches a high temperature.	If the engine coolant temperature increases to an excessive level, pull over immediately and contact the ILESBUS Service Network.
7	 (red)	Brake fault	Activation of the warning light indicates a fault in the braking system.	Drive carefully and contact the ILESBUS Service Network immediately.
		EBD failure	Simultaneous activation of the  and  warning lights indicates a fault in the EBD system.	Drive carefully and contact the ILESBUS Service Network immediately.
		Low brake fluid	Activation of the warning light indicates a low level of brake fluid in the reservoir.	Top up the brake fluid level, then check that the warning light goes off. If the warning light comes on while driving, stop immediately and contact the ILESBUS Service Network immediately.
		Handbrake (parking brake) engaged	The warning light comes on when the parking brake is engaged.	Release the parking brake and check that the light goes off. If the light remains on, contact the ILESBUS Service Network immediately.
8	 (amber)	Collision alarm	Front collision warning system fault.	Contact the ILESBUS Service Network as soon as possible.
9	 (light blue)	High beam	The warning light comes on when the high beam lights are switched on.	---
	 AUTO	AUTO	Automatic control of the high beam lights activated (if fitted).	---

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
10	---	---	Dashboard brightness sensor. The sensor adjusts dashboard instrument panel brightness on the basis of ambient lighting conditions.	---
11	 (red)	Parking brake engaged	Activation of this warning light indicates that the device is engaged.	---
12	 (red)	(*)Air suspensions not in running condition	When the key is set to the MAR- 1 position, the warning light activates but should turn off after a few seconds. The warning light activates when there is a malfunction of the self-levelling suspension system (if fitted).	If a fault is found, Contact the ILESBUS Service Network as soon as possible.
13	 (red)	Power steering fault	When the key is set to the MAR- 1 position, the warning light activates but should turn off after a few seconds. If the warning light stays on, the effect of the electric power steering may not be detectable and the effort on the steering wheel could increase considerably, even if the possibility of steering the vehicle is maintained.	Contact the ILESBUS Service Network as soon as possible.
14	 (amber)	(*) ABS fault	The warning light comes on when the system is not functioning efficiently. In this situation the braking system maintains its efficiency but without the aid of the ABS system. The display may show a dedicated message.	Drive carefully to a ILESBUS Service Network workshop as soon as possible.
		(*) EBD fault	Simultaneous activation of the  warning light indicates a fault in the EBD system.	
15	 (amber)	Rear fog lights	The warning light comes on when the rear fog lights are switched on.	---

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
16	 (green)	Front fog lights on	The warning light comes on when the front fog lights are switched on.	---
17	 (amber)	Immobilizer system fault	Activation of the symbol indicates a fault in the Immobilizer system.	If there is a fault, contact the ILESBUS Service Network as soon as possible.
18	 (amber)	Inertia safety switch activated	The warning light comes on with the symbol when the overrun safety switch is activated (F1A engine with Start & Stop).	The warning light can be switched off by resetting the switch.
		Tractor external lights failure	Simultaneous activation of the warning light indicates a fault in the following lights: - turn indicators; - rear fog lights; - stop lights; - side lights; - daytime running lights; - licence plate lights; - reversing lights.	The fault could be due to: the burning out of one or more bulbs, blowing of the relative protective fuse or interruption of an electrical connection.
		Airbag fault warning light	Simultaneous activation of the warning light indicates a fault in the airbag system.	In this case, the warning light might not signal any faults in the retaining systems. Before continuing, contact the ILESBUS Service Network.
		Vendor door fault	The warning light comes on in the presence of a door operation fault.	If there is a fault, contact the ILESBUS Service Network as soon as possible.
		General engine fault	The warning light comes on permanently or flashing, indicating a possible fault detected by the engine control unit.	If there is a fault, contact the ILESBUS Service Network as soon as possible.
		Emergency startup	The warning light activates and flashes to indicate the immobilizer start code.	---
19	 (amber)	Lane Departure Warning System engaged	The warning light activates when the Lane Departure Warning System is activated.	---

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
20	 (red)	(*)Airbag failure	If this warning light stays on, this indicates that there is a fault in the airbag system.	---
21	 (red) / (amber)	Differential fault/ failure	The warning light activates when there is a fault / failure in the differential.	If there is a fault, contact the ILESBUS Service Network as soon as possible.
22	 (red)	Battery not charging	Activation of the warning light indicates an alternator malfunction.	If there is a fault, contact the ILESBUS Service Network as soon as possible.
23	 (red)	(*)Low engine oil pressure	When the key is turned to the 'MAR -1' position, the warning light comes on but should go off after starting the engine. The warning light comes on permanently together with the message shown on the display when the system detects insufficient engine oil pressure.	Immediately stop the engine and contact the ILESBUS Service Network.
		(*) Engine oil change request	When the key is turned to the 'MAR -1' position, the warning light comes on but should go off after starting the engine. But if the warning light begins to flash, a message will appear on the display indicating the need for an engine oil change.	In order to protect the engine, contact the ILESBUS Service Network as soon as possible for an oil change.
		(*)Low engine oil level	When the key is turned to the 'MAR -1' position, the warning light comes on but should go off after starting the engine. The warning light activates (steady on) together with the message on the display indicating that the engine oil level is too low.	Top-up with the designated oil until the level indicated in the "Refilling" paragraph is reached, or contact the ILESBUS Service Network.

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
24	 (amber)	(*) Inducement	Diesel emissions control process.	Refill the tank as soon as possible by going to an AdBlue® distributor if the warning light comes on in conjunction with a low level of AdBlue® . The warning light may also come on in the event of low additive quality (in this case check the contents of the tank) or faults in the SCR system/NOx sensors. In the latter case, contact the ILESBUS Service Network.
		(*) AdBlue® low level/quality	The warning light may appear flashing (first warning) or permanently lit (indicating the next level of restriction [severity] and start of inducement) with subsequent derating of engine performance or warning of future disabling of engine start-up.	
25	 (amber)	EOBD/MIL	When the key is turned to the 'MAR-1' position, the warning light comes on but should go off after starting the engine. The functionality of this warning light can be checked by traffic police using special equipment. Always follow the Highway Code. If the warning light stays on or comes on while driving, it is indicating imperfect operation of one or more engine components or sub-systems; in particular, if the warning light remains permanently on, this indicates a malfunction in the fuel supply/ ignition/air circulation system that could cause excessive exhaust emissions, a possible loss of performance, poor handling and high consumption. On some versions the display shows a dedicated message. The warning light goes off if the fault disappears, but the system will store the warning issued.	In these conditions it is possible to continue driving, providing heavy demands are not made on the engine or high driving speeds attempted. Prolonged use of the vehicle with the warning light on may cause damage. If a fault is found, contact a Service Network workshop as soon as possible
26	 (amber)	(*) ESP / ASR engaged	Activation of this warning light indicates that the system is in operation.	---
	 (amber)	ASR OFF	ASR system disengaged.	---

NO	SYMBOL	NAME	DESCRIPTION	WHAT TO DO
27	 (amber)	Glow plug preheating/ glow plug preheating fault	When the key is turned to the 'MAR -1' position, the warning light comes on: The warning light goes off when the glow plugs have reached the preset temperature. At high ambient temperatures, activation of the warning light may be almost imperceptible.	When the warning light goes off, start the engine immediately by turning the key to the 'AVV-2' position.
28	 (amber)	"Diesel Particulate Filter" warning light	When it remains on it means that the particulate filter must be regenerated or that automatic regeneration is taking place.When flashing, it indicates that regeneration of the filter is in progress ('on-demand' procedure)	If the DPF warning light is flashing, an 'Ondemand' regeneration is in progress.
29	 (amber)	Retarder engaged	The warning light remains on permanently. The Retarder is engaged and supplies a braking torque defined on the basis of the position of the lever or the pressed brake pedal position or due to a request from the Cruise Control. The warning light flashes continuously: The Retarder is preselected but not active because an inhibition condition is present (for example: accelerator pedal pressed, overtemperature, etc.). In all other cases, it is a condition of temporary unavailability; therefore, completely release the accelerator pedal and use the service brake while you wait for the Retarder to become available again (this is signalled by the warning light activating and staying on).	---

NOTE

***** The operation of the warning lights indicated with an asterisk is automatically checked each time the ignition key is turned to the '**MAR-1**' position, which lasts a few seconds.

NOTE The diagnostics function from the dashboard menu can be used to display a series of diagnostic codes that could be requested by the Service Network in order to facilitate some stages of assistance. The presence of codes in this list does not indicate vehicle malfunction – maintenance work is not required and there is no need to cancel them. Attention need only be paid to the warning lights or messages on the display for any work or assistance required.

SYMBOLS ON CENTRAL DISPLAY

SYMBOL	FUNCTION	COLOR
	Fuel system fault / error.	Orange
	The symbol activates when the overrun switch intervenes.	Orange
	Engine coolant level too low.	Red
	Headlight angle adjustment.	White
	Engine oil sensor fault.	Red
	External bulb fault.	Orange
	Door(s) open.	Orange
	Brake linings worn.	Orange
	Risk of ice.	White
	Gear Shift Indicator. Shift up Indication of shifting up one gear. (Automatic gearbox).	White
	Gear Shift Indicator: Shift down Indication of shifting down one gear. (Automatic gearbox).	White
	(Minibus vehicles) The external emergency handle of the outswinging door is locked with a key.	Orange
	Differential lock fault.	Orange

SYMBOL	FUNCTION	COLOR
	Differential lock serious error.	Red
	Trailer fault. (if provided).	Orange
	Service (Scheduled maintenance).	Orange
	Brake fluid temperature.	Orange
	AEBS function deactivated by the driver. (if provided).	Orange
	Performance of the AEBS function restricted. (if provided).	Orange
	Radar serious fault. (if provided).	Red
	AEBS system fault (if fitted).	Orange
	Radar dirty. (if provided).	Orange
	Water in fuel filter.	Orange
	Warning light steady on signalling malfunction of the fuel system / ignition / air circulation.	Orange
	Front collision warning system fault.	Orange
	CC (Cruise Control) function activated.	Green

SYMBOL	FUNCTION	COLOR
	CC (Cruise Control) function enabled.	White
	QA (Queue Assist) function enabled.	White
	QA (Queue Assist) function active.	Green
	QA (Queue Assist) function enabled but without target acquisition.	Machine and bars grey, cruise and speed green
	QA (Queue Assist) function in Brake only mode active.	Green flashing
	QA (Queue Assist) function in Brake only mode active but without target acquisition.	Machine and bars grey, cruise and speed flashing green
	SL (Speed Limiter) function active.	Green
	ACC (Adaptive Cruise Control) function enabled.	White
	ACC (Adaptive Cruise Control) function active.	Green

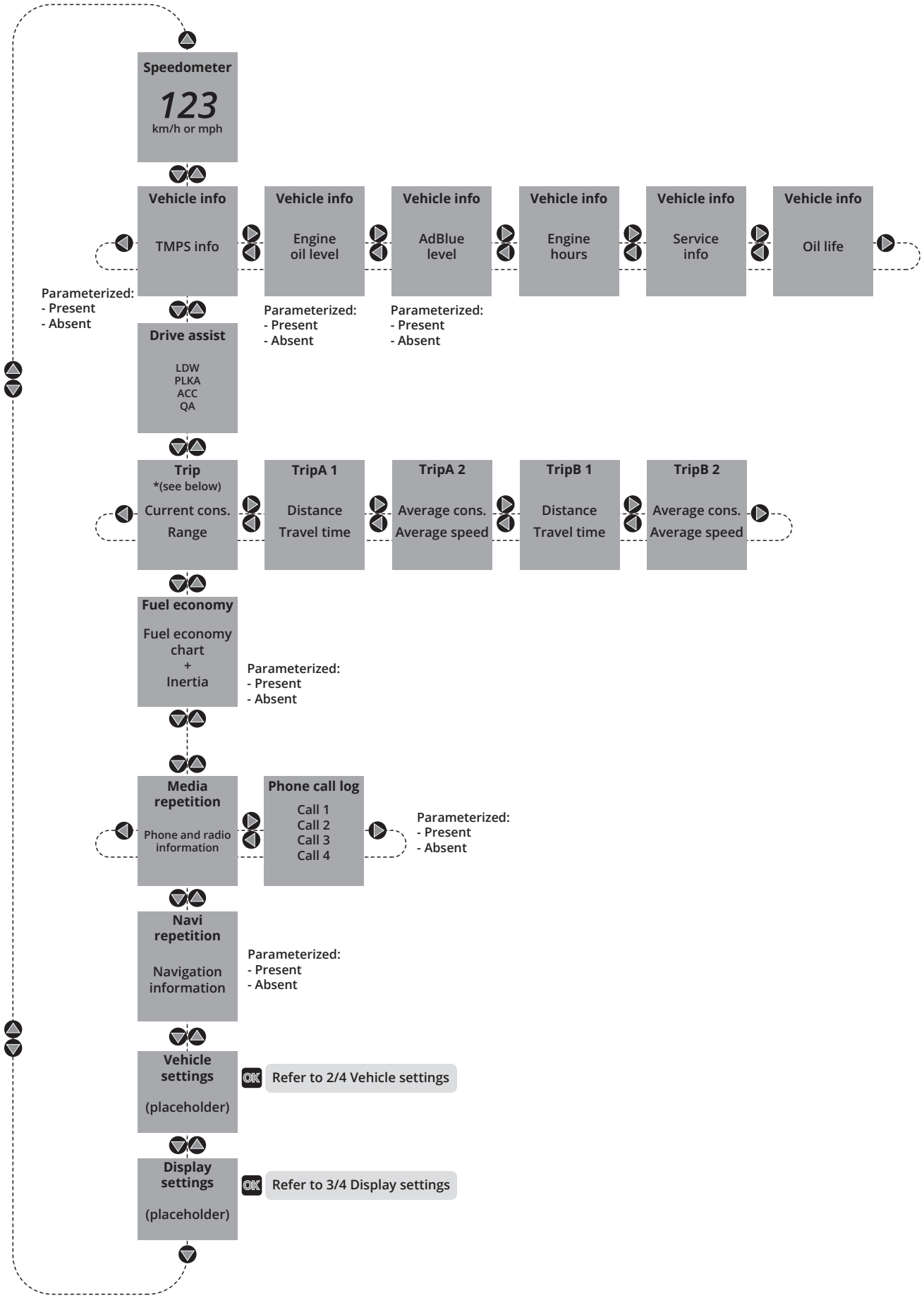
SYMBOL	FUNCTION	COLOR
	ACC (Adaptive Cruise Control) function enabled but without target acquisition.	Machine and bars grey, cruise and speed green
	ACC (Adaptive Cruise Control) function in Brake only mode active	Green flashing
	ACC (Adaptive Cruise Control) function in Brake only mode active but without target acquisition	Machine and bars grey, cruise and speed flashing green
	PLKA (Proactive Lane Keeping Assist) function selected.	White
	PLKA (Proactive Lane Keeping Assist) function active.	Green
	ACC (Adaptive Cruise Control) function fault.	Orange
	TPMS. (Tire Pressure Monitoring System). fault / Pressure of one or more than one tyre below the specified value. / High temperature of the tyre.	Orange
	Passenger airbag disengagement.	Orange
	Rain sensor fault. (if provided).	Orange

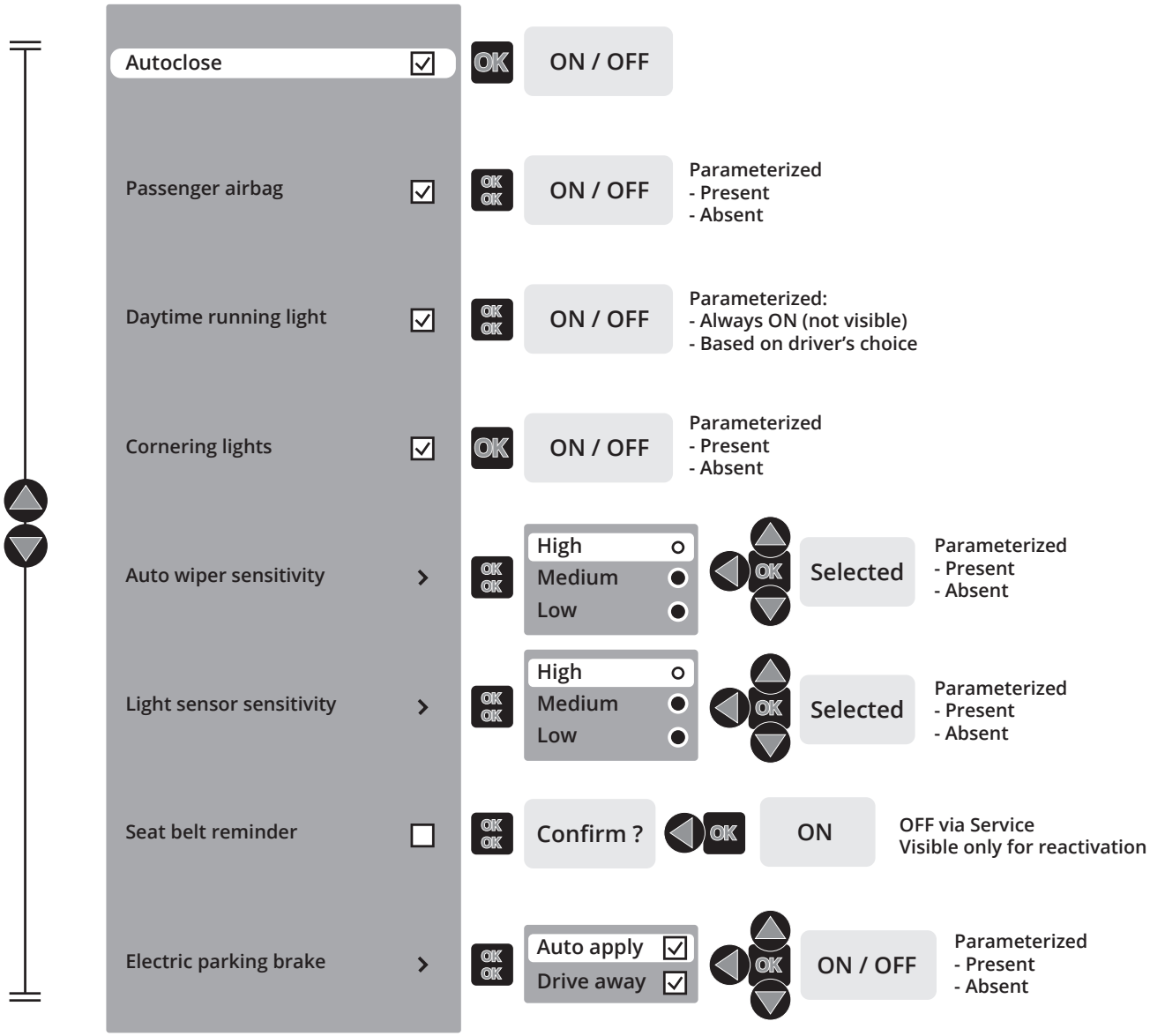
SYMBOL	FUNCTION	COLOR
	Electric steering fault.	Orange
	Automatic high beam light system fault. (if provided).	Orange
	Generic brake system serious error.	Red
	ABS fault.	Orange
	ESP / ASR intervention.	Orange
	ASR system disengaged.	Orange
	Parking sensors fault.	Orange
	Electric steering serious fault.	Red
	HDC Hill Descent Control function selected.	White

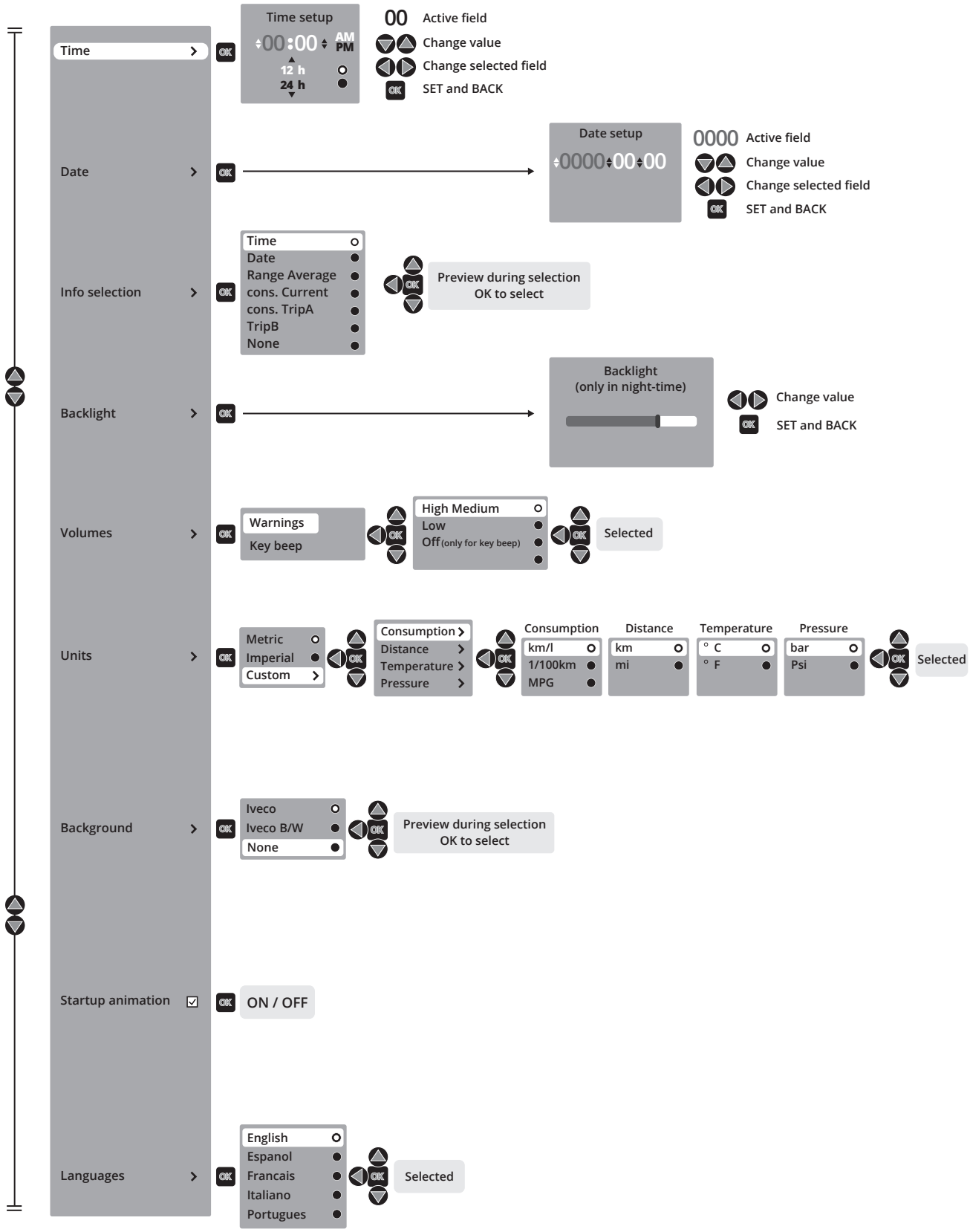
SYMBOL	FUNCTION	COLOR
	HDC Hill Descent Control function active.	Green
	HDC Hill Descent Control system fault.	Orange
	Airbag system serious fault.	Red
	Stop & Start activated.	White
	Stop & Start fault.	Orange
	Fault: gearbox oil high temperature.	Orange
	Gearbox fault.	Orange
	Serious gearbox error.	Orange
	Gear engagement fault.	Orange

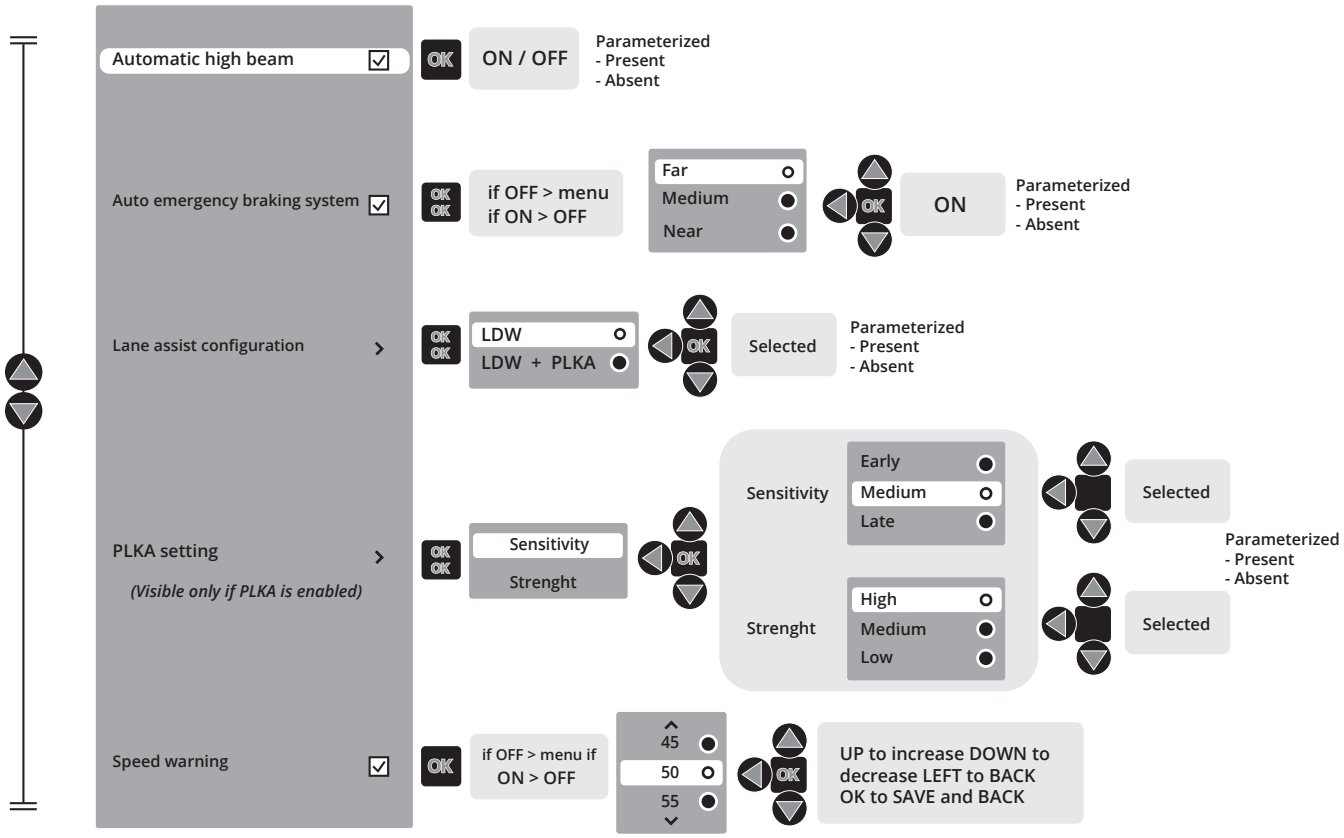
SYMBOL	FUNCTION	COLOR
	LDWS Lane Departure Warning active.	Orange
	LDWS Lane Departure Warning fault.	Orange
	PLKA (Proactive Lane Keeping Assist) system fault.	Orange
	Tachograph fault.	Orange
	Power take-off activated.	Orange
	Retarder engaged.	Orange
	Retarder serious error.	Red
	Power take-off, mode 0.	Orange
	Power take-off, mode 1.	Orange

SYMBOL	FUNCTION	COLOR
	Power take-off, mode 2.	Orange
	Power take-off, mode 3.	Orange
	Warning: keep your hands on the steering wheel.	Red
	Ramp occupied / Operator on ramp.	Orange
	Ramp safety device.	Orange
	Braking system overheating. Continue to drive with caution at least until the ideogram goes out. Then contact a Service Network workshop as soon as possible to check the efficiency of the braking system.	Orange


Speedometer
123
km/h or mph
Vehicle info
TMPS info
Vehicle info
Engine oil level
Vehicle info
AdBlue level
Vehicle info
Engine hours
Vehicle info
Service info
Vehicle info
Oil life
Parameterized:
- Present
- Absent
Parameterized:
- Present
- Absent
Parameterized:
- Present
- Absent
Drive assist
LDW
PLKA
ACC
QA
Trip
*(see below)
Current cons.
Range
TripA 1
Distance
Travel time
TripA 2
Average cons.
Average speed
TripB 1
Distance
Travel time
TripB 2
Average cons.
Average speed
Fuel economy
Fuel economy chart
+
Inertia
Parameterized:
- Present
- Absent
Media repetition
Phone and radio information
Phone call log
Call 1
Call 2
Call 3
Call 4
Parameterized:
- Present
- Absent
Navi repetition
Navigation information
Parameterized:
- Present
- Absent
Vehicle settings
(placeholder)
OK
Refer to 2/4 Vehicle settings
Display settings
(placeholder)
OK
Refer to 3/4 Display settings

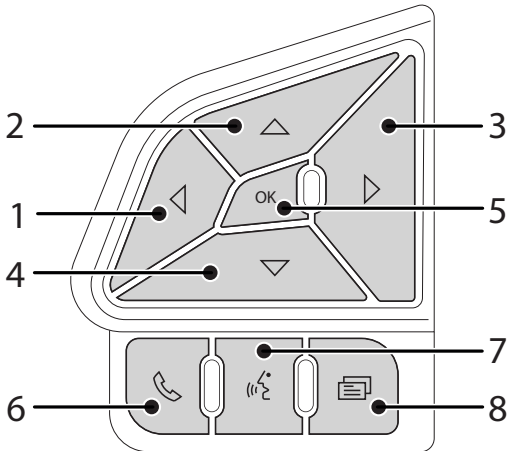

Autoclose
OK
ON / OFF
Passenger airbag
OK OK
ON / OFF
Parameterized
- Present
- Absent
Daytime running light
OK OK
ON / OFF
Parameterized:
- Always ON (not visible)
- Based on driver's choice
Cornering lights
OK
ON / OFF
Parameterized
- Present
- Absent
Auto wiper sensitivity
OK OK
High
Medium
Low
OK
Selected
Parameterized
- Present
- Absent
Light sensor sensitivity
OK OK
High
Medium
Low
OK
Selected
Parameterized
- Present
- Absent
Seat belt reminder
OK OK
Confirm ?
OK
ON
OFF via Service
Visible only for reactivation
Electric parking brake
OK OK
Auto apply
Drive away
OK
ON / OFF
Parameterized
- Present
- Absent


Time
Time setup
00:00 AM PM
12 h
24 h
00 Active field
Change value
Change selected field
SET and BACK
Date
Date setup
0000 00 00
0000 Active field
Change value
Change selected field
SET and BACK
Info selection
Time
Date
Range Average
cons. Current
cons. TripA
TripB
None
Preview during selection
OK to select
Backlight
Backlight
(only in night-time)
Change value
SET and BACK
Volumes
Warnings
Key beep
High Medium
Low
Off (only for key beep)
Selected
Units
Metric
Imperial
Custom
Consumption
Distance
Temperature
Pressure
km/l
1/100km
MPG
km
mi
° C
° F
bar
Psi
Selected
Background
Iveco
Iveco B/W
None
Preview during selection
OK to select
Startup animation
ON / OFF
Languages
English
Espanol
Francais
Italiano
Portugues
Selected


Automatic high beam
OK
ON / OFF
Parameterized
- Present
- Absent
Auto emergency braking system
OK OK
if OFF > menu
if ON > OFF
Far
Medium
Near
OK
ON
Parameterized
- Present
- Absent
Lane assist configuration
OK OK
LDW
LDW + PLKA
OK
Selected
Parameterized
- Present
- Absent
PLKA setting
(Visible only if PLKA is enabled)
OK OK
Sensitivity
Strenght
OK
Sensitivity
Early
Medium
Late
Selected
Strenght
High
Medium
Low
Selected
Parameterized
- Present
- Absent
Speed warning
OK
if OFF > menu if
ON > OFF
45
50
55
OK
UP to increase DOWN to
decrease LEFT to BACK
OK to SAVE and BACK

STEERING WHEEL

LEFT CONTROL BUTTONS



1 Press and release button to access the information screens or submenu of an item on the main menu. Button is also used to exit the main menu.

2 Press and release button to scroll up the main menu and submenus.

3 Press and release button to access the information screens or submenu of an item on the main menu.

4 Press and release button to scroll down the main menu and submenus.

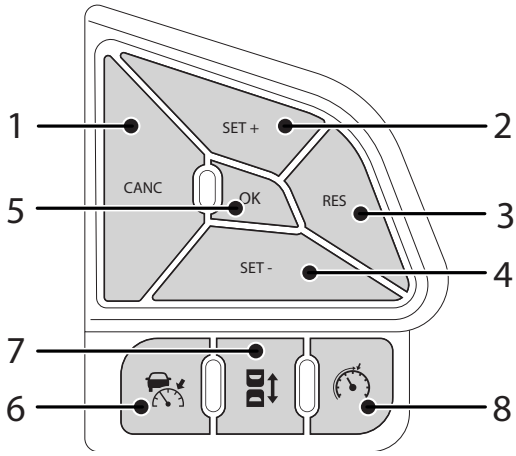
5 Press button to confirm the menu selection.

6 Return / Answer a phone call: Press and release to make call / answer a call. Press and hold to end a call.

7 Speaker-phone function: Allows activation of the voice recognition function.

8 Scroll through the ADAS pages of the menu.

RIGHT CONTROL BUTTONS



1 CANC control for ACC / CCfunction.

2 SET+ control for ACC / CCfunction.

3 RESUME control for ACC / CCfunction.

4 SET- control for ACC / CCfunction.

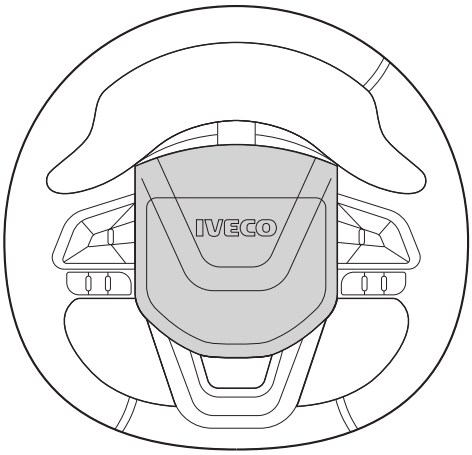
5 ON / OFF Cruise Control control.

6 ON / OFF control for ACCfunction.

7 Control for setting the distance between vehicles for ACC and QA.

8 ON / OFF control for SL function.

HORN



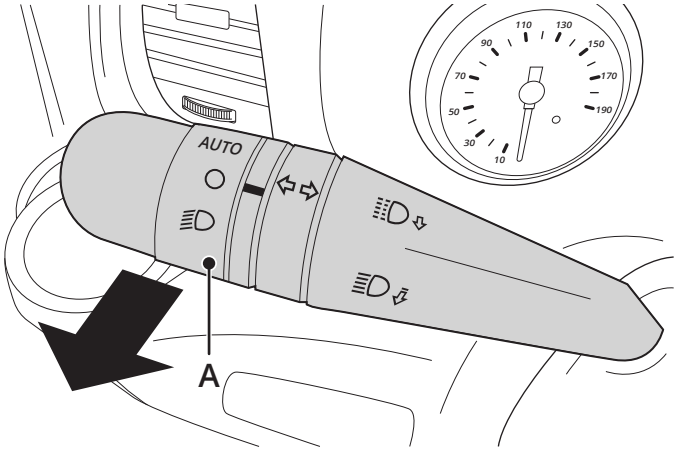
Press central part (1) of the steering wheel.

NOTE

The descriptions refer to the steering wheel with the most complete set of buttons, therefore refer only to what is actually present on your vehicle.

LEFT CONTROL LEVER

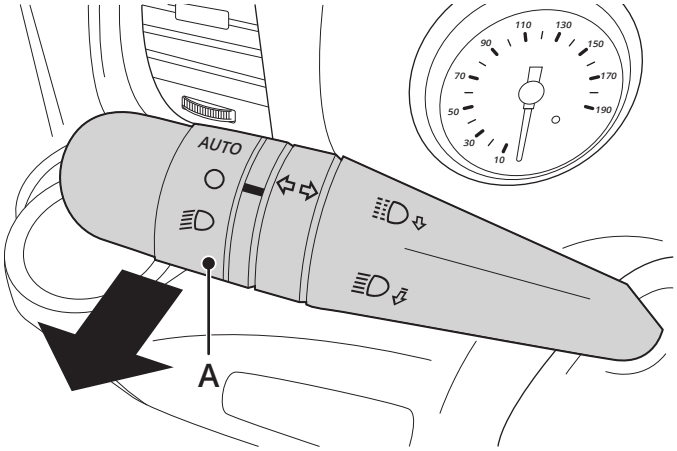
Low Beam Lights



To turn on the low beam lights, turn the rotary switch **(A).** The symbol ≣D must correspond to the reference ▬ .

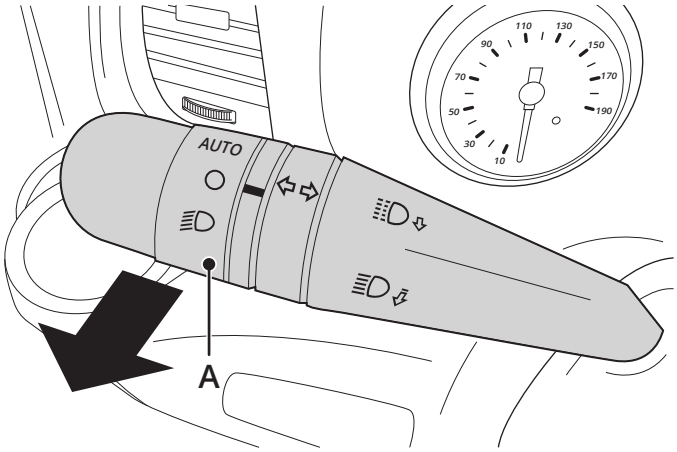
The “side markers” also come on when the low beam lights are turned on.

AUTO Function



To activate the automatic function: turn the rotary switch **(A)** to **“AUTO”.**

High Beam Light



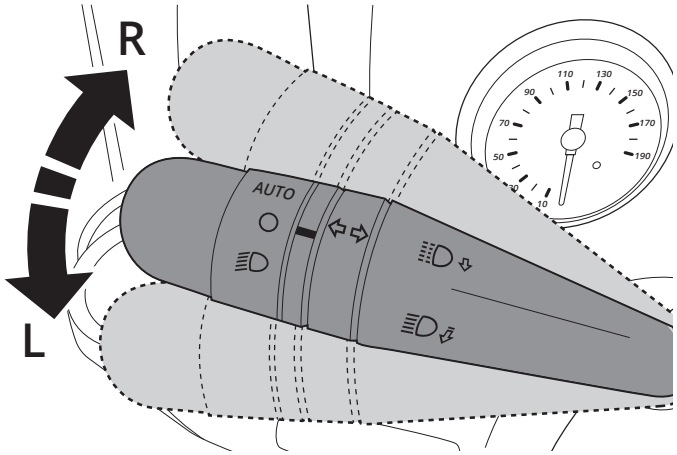
With the low beam lights on, pull the lever **(A)** towards the steering wheel (2nd unstable position). The warning light ≣D lights up on the dashboard.

To switch off the high beam lights and return to low beam, pull lever **(A)** towards the steering wheel (unstable position).

NOTE

Do not use high beam lights in residential areas or near other vehicles.

Turn Indicators



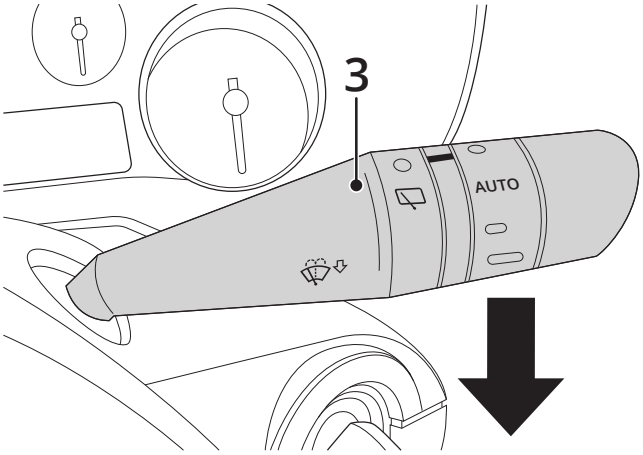
Move the lever to the stable position:

- **Up (R):** activation of right turn indicator, the warning light ➡ flashes on the dashboard.
- **Down (L)**: activation of left turn indicator, the warning light ⬅ flashes on the dashboard.

The turn indicators automatically turn off when the vehicle is once again driving in a straight line.

RIGHT CONTROL LEVER

Windscreen Washer

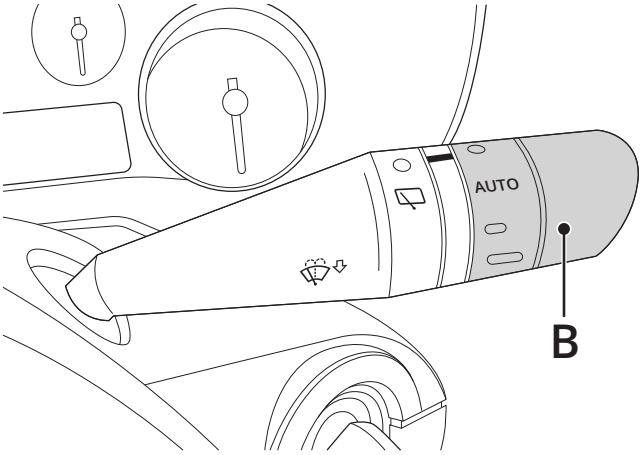


This operation is performed only with the ignition switch set to “MAR-1”.

To operate the windscreen washer, push the lever down as indicated by the arrow stamped on it.

To operate the windscreen washer, push the steering wheel lever **(3)** down as indicated by the arrow stamped on it.

Windscreen Wiper



This operation is performed only with the ignition key set to “MAR-1”.

The rotating control **(B)** on the right hand lever can be in one of four different positions:

◯ : windscreen wiper stopped.

AUTO : automatic operation.

⬭ : slow continuous operation.

⬭ : fast continuous operation.

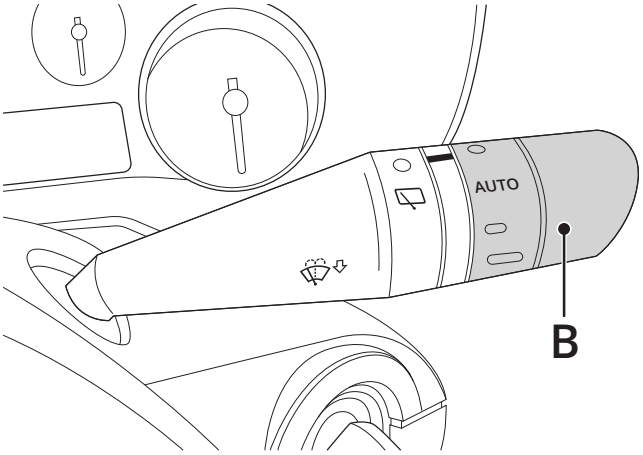
Move the lever fully up (unstable position) to operate the wipers for fast continuous operation. The duration of this operation is limited to the time the lever is held in position.

When released, the lever returns to its position and automatically stops the windscreen wipers.

WARNING

Do not use the windscreen wipers to remove snow or ice from the windscreen. This overloads the wiper. Partial or complete non observance of these prescriptions can lead to serious damages to the vehicle

AUTO Function

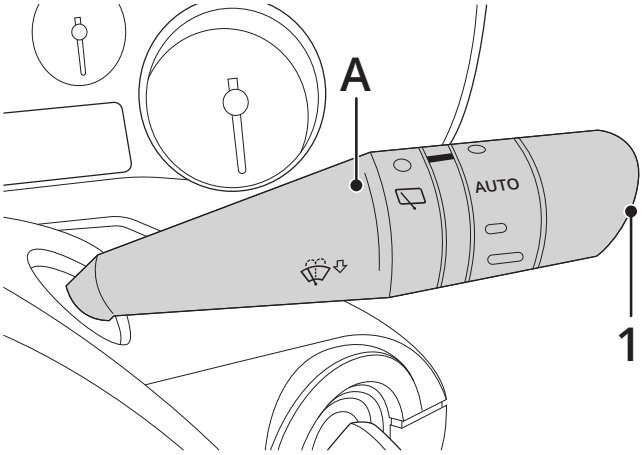


The main enabling operation of the **(AUTO)** function is done from the instrument panel. The driver can then choose whether to use it or not, by operating the lever on the steering wheel.

To activate the automatic function:

- set the wiper switch to **(AUTO).**
- ◯ : windscreen wiper stopped.
- **AUTO** : automatic operation.
- ⬭ : slow continuous operation.
- ⬭ : fast continuous operation.

TRIP Button



Matrix version dashboard

The **(1)** TRIP button is located on the right lever **(A)** and when the ignition key is set to “MAR-1”, allows the previously described values to be displayed as well as resetting them for a new mission:

- Brief press: values displayed.
- Long press: zeroing (reset) values and the beginning of a new mission.

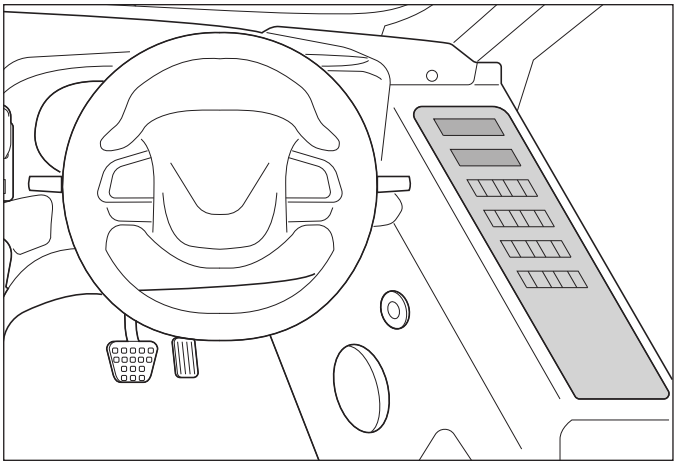
TFT version dashboard

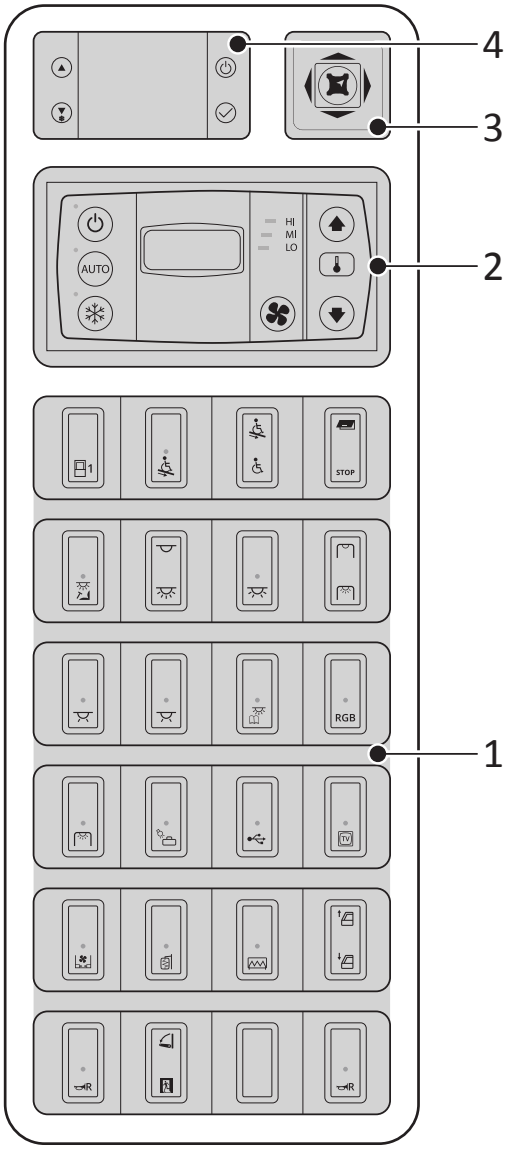
The TRIP button **(1)** is on the right lever **(A)** and, with the ignition key set to “MAR-1”, allows the values described previously to be displayed. To reset it, go to the “Trip A” or “Trip B” page, select the operation to perform, press “OK” to confirm.

New mission

It begins when the resetting has been carried out:

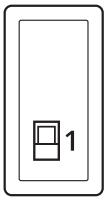
- “Manual” by the user, by pressing the elative button.
- “Automatic” when the “distance travelled” reaches 99999.9 km or when the “total time travelled” reaches 999.59 (999 hours and 59 minutes).
- After the battery has been disconnected and reconnected.





1. Function Buttons
2. A/C Unit Control Panel
3. Mirror Control Panel
4. Heating Control Panel

FUNCTION BUTTONS



Door Button

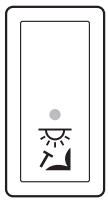
Press button to open the door. The LED light on the button remains lit while the door is open.

Rear Luggage Open Indicator

Indicates that rear luggage cover is open.

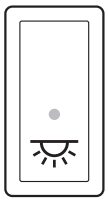
Passenger Stop Request Indicator

Indicates that one of the passenger stop buttons has been pressed.



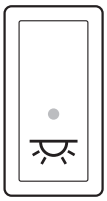
Driver Illumination Light

Press button to activate the driver illumination light. The LED light on the button remains lit while lights are on.



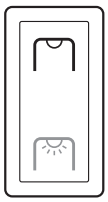
Interior Lighting / White Light 1

Press button to turn on the white ceiling lights at level 1. The LED light on the button remains lit while lights are on.



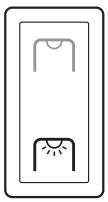
Interior Lighting / White Light 2

Press button to turn on the white ceiling lights at level 2. The LED light on the button remains lit while lights are on.



Floor Lights Level I

Press the button to turn on the floor lights at level 1.



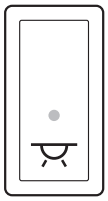
Floor Lights Level II

Press button to turn on the floor lights at level 2.

DRIVING COMPARTMENT

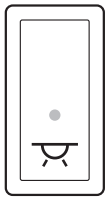
RIGHT CONTROL PANEL

Function Buttons



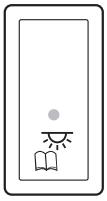
Reading Lights

Press button to turn on the passenger reading lights. The LED light on the button remains lit while lights are on.



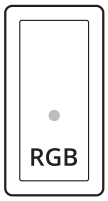
Night Lights (Blue)

Press button to turn on the passenger night lights. The LED light on the button remains lit while lights are on.



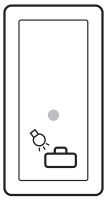
Station Mode

Press button to activate the station mode. In this mode all the interior lamps are open.



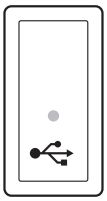
RGB

Press button to turn on RGB lights on the ceiling. The LED light on the button remains lit while lights are on.



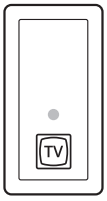
Luggage Lights

Press button to turn on luggage lights. The LED light on the button remains lit while lights are on.



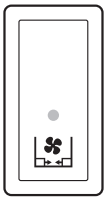
USB

Press button to activate the USB cahrging ports.



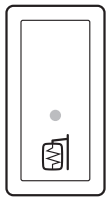
TV

Press button to energize the TV unit. The LED light on the button remains lit while the function is on.



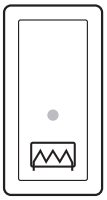
Heater Fans

Press button to activate passenger heater fans. The LED light on the button remains lit while the function is on.



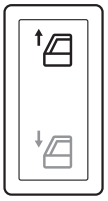
Mirror Resistance

Press button to activate mirror resistance. The LED light on the button remains lit while the function is on.



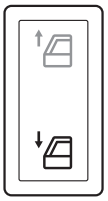
Windshield Demister

Press button to activate the windhield demister. The LED light on the button remains lit while the function is on.



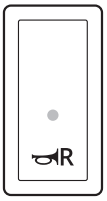
Opening Driver's Window

Press and hold the button to open driver's window.



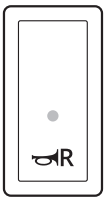
Closing Driver's Window

Press and hold the button to close driver's window.



Reverse Buzzer

Press button to activate reverse gear buzzer sound.



Stop Buzzer Button

Press button to deactivate stop request buzzer sound.

HEATING CONTROL PANEL

Temperature Increase Button

Press button to increase the set temperature.

Temperature Decrease Button

Press button to decrease the set temperature.

A/C Power Button

Press button to start defrost unit. Defrost time value will be displayed on the screen. Press button for 3 seconds to start manual defrost.

Set Button

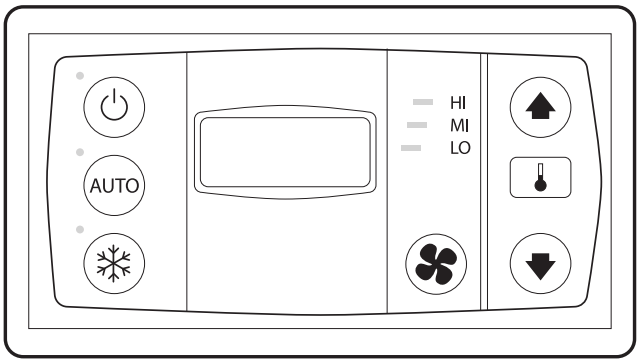
Press button in the main operation screen to display set value. Press button again to save value and return back to main operating screen.

Press button in the main operation screen for 5 seconds to access the programming screen.

INFORMATION

For more information about the device please refer to the original user manual given with the vehicle.

A/C UNIT CONTROL PANEL



A/C Power Button

Press button to start A/C unit. The led on the button turns green while the A/C unit is active.

Automatic Operation Button

AUTO

Press button to run the A/C fan at automatic speed.

Cooling Mode Button

Press button to activate the cooling mode.

Fan Speed Button

Press button once to start the fan at the lowest speed. The fan speed gradually increases each time the button is pressed.

Temperature Increase Button

Press button to increase the set temperature.

Temperature Decrease Button

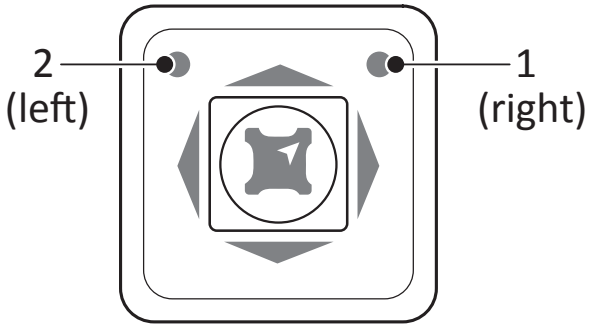
Press button to decrease the set temperature.

Ambient Temperature Button

Press button to display ambient temperature for 3 seconds.

INFORMATION

For more information about the device please refer to the original user manual given with the vehicle.



The external rear-view mirrors are crucial for maintaining a clear view of the sides and rear of the vehicle while driving. Proper adjustment of these mirrors ensures safety by minimizing blind spots and providing a comprehensive view of the surrounding environment.

The mirror control button is a multi-functional switch that allows you to select and adjust the position of the left (Driver's Side) and right (Passenger's Side) rear-view mirrors.

Position 1 (Right): Selects the right (passenger side) mirror for adjustment.

Position 2 (Left): Selects the left (driver side) mirror for adjustment.

The button itself is designed to move the selected mirror in four directions: up, down, left, and right.

Start by turning the ignition key to the "**ON**" position. This powers the mirror control system and allows you to make adjustments.

Move the lever to **1 (Right)** or **2 (Left)** to select the mirror to be adjusted. Then press a corresponding point on the mirror adjustment button to position the selected mirror up, down, left or right.

WARNING

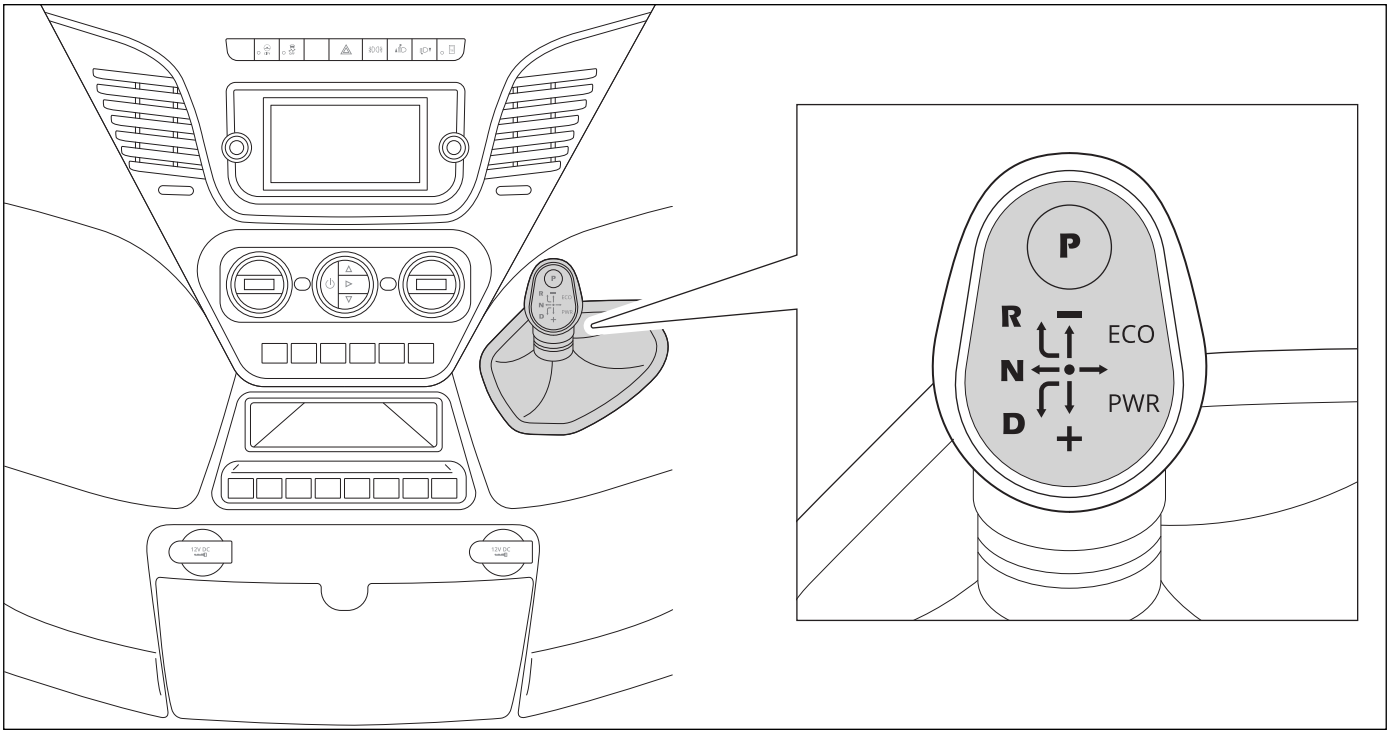
Always adjust the external mirrors while the vehicle is stationary. Attempting to adjust the mirrors while driving can distract you from the road, increasing the risk of accidents. Ensure that the vehicle is parked safely before making any adjustments.

NOTE

Understand that external mirrors have a limited range of adjustment. If the mirror cannot provide the necessary visibility, you may need to adjust your seating position or posture instead of forcing the mirror beyond its intended range, which could cause mechanical damage.

CAUTION

When performing precise maneuvers, such as reversing or parking, avoid adjusting the mirrors. Sudden mirror adjustments during these actions can disrupt your focus and lead to misjudgments, potentially causing collisions or property damage.



P

P (Parking)

Select park state only when your vehicle is stationary. “Parking” can be selected by pressing “P” or it engages automatically when the ignition switch is set to “STOP-0”.

R

R (Reverse)

Press button to decrease the set temperature.

N

N (Neutral)

Press button to blink all signal lamps. Repeat the process to deactivate all signal lamps.

D

D (Drive) - Automatic Mode

Press button in the main operation screen for 5 seconds to access the programming screen.

ECO

Headlight Adjuster - Up

Press button in the main operation screen for 5 seconds to access the programming screen.

PWR

Headlight Adjuster - Up

Press button in the main operation screen for 5 seconds to access the programming screen.

—

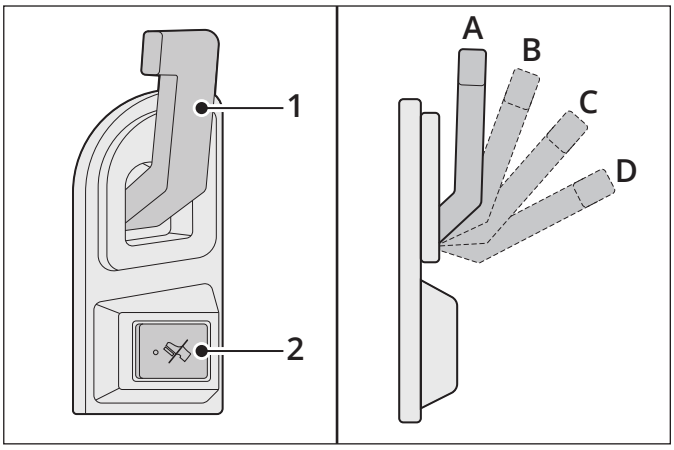
Headlight Adjuster - Up

Press button in the main operation screen for 5 seconds to access the programming screen.

+

Headlight Adjuster - Up

Press button in the main operation screen for 5 seconds to access the programming screen.



1. Retarder Lever
2. Retarder Decoupling Button

The use of the retarder is particularly appropriate when the vehicle has to go down a long downhill stretch; best performance is obtained with the vehicle at medium/high speeds.

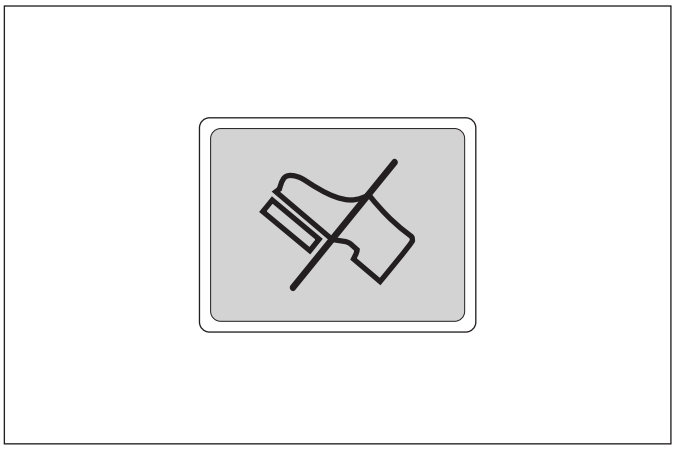
It is possible to activate the Retarder by actioning the small lever (1) in one of four positions (shown in the figure as: A,B,C,D): each position of the lever corresponds to an increase in braking power, up to a braking power of 100%.

Furthermore, the Retarder automatically activates when the service brake pedal is pressed.

On the dashboard, below the lever (1), there is the Retarder decoupling button (2) which is used to inhibit the automatic activation of the Retarder after the brake pedal has been pressed.

NOTE

Above 50 km/h complete system operation is reactivated automatically.



Operating Logic of the Retarder Decoupling Button

Button released (warning light on button deactivated):

- Complete Retarder functionality (with automatic activation of the Retarder below the brake pedal).

Button pressed (warning light on button activated):

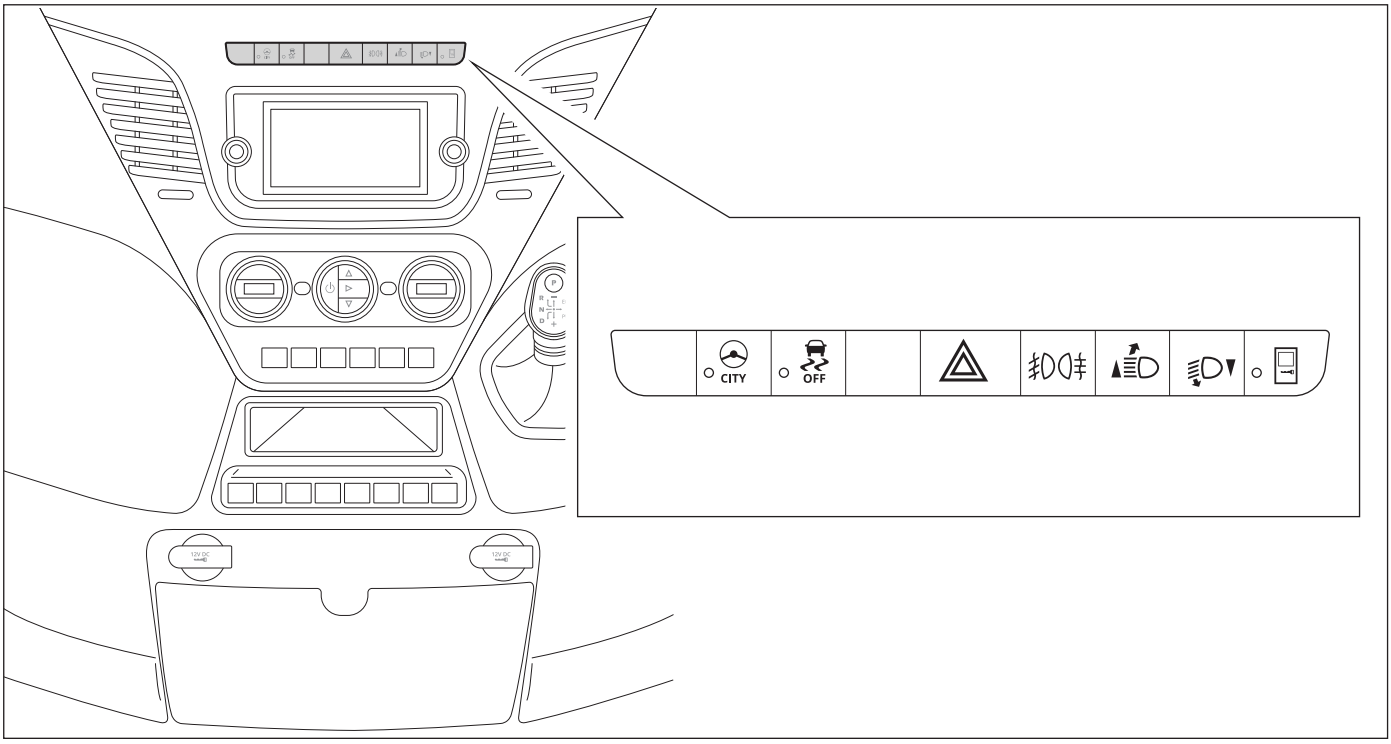
- Automatic activation of the Retarder below the service brake pedal inhibited.

The braking action of the Retarder is temporarily suspended each time the “ABS” anti-lock braking system or the “ESP” electronic stability programme intervenes.

NOTE

The position of the button does not exclude the Retarder when it has been activated using the lever **(1)** on the dashboard.

If “Cruise Control” (where available) is engaged, the Retarder may automatically activate to ensure that the set vehicle speed is maintained.



City Control Button

Press button to increase the set temperature.

ASR Disabling / Button for Controlling Traction

Press button to decrease the set temperature.

Hazard Light (Flasher) Button

Press button to blink all signal lamps. Repeat the process to deactivate all signal lamps.

Fog lights and rear fog lights. Button

Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Up

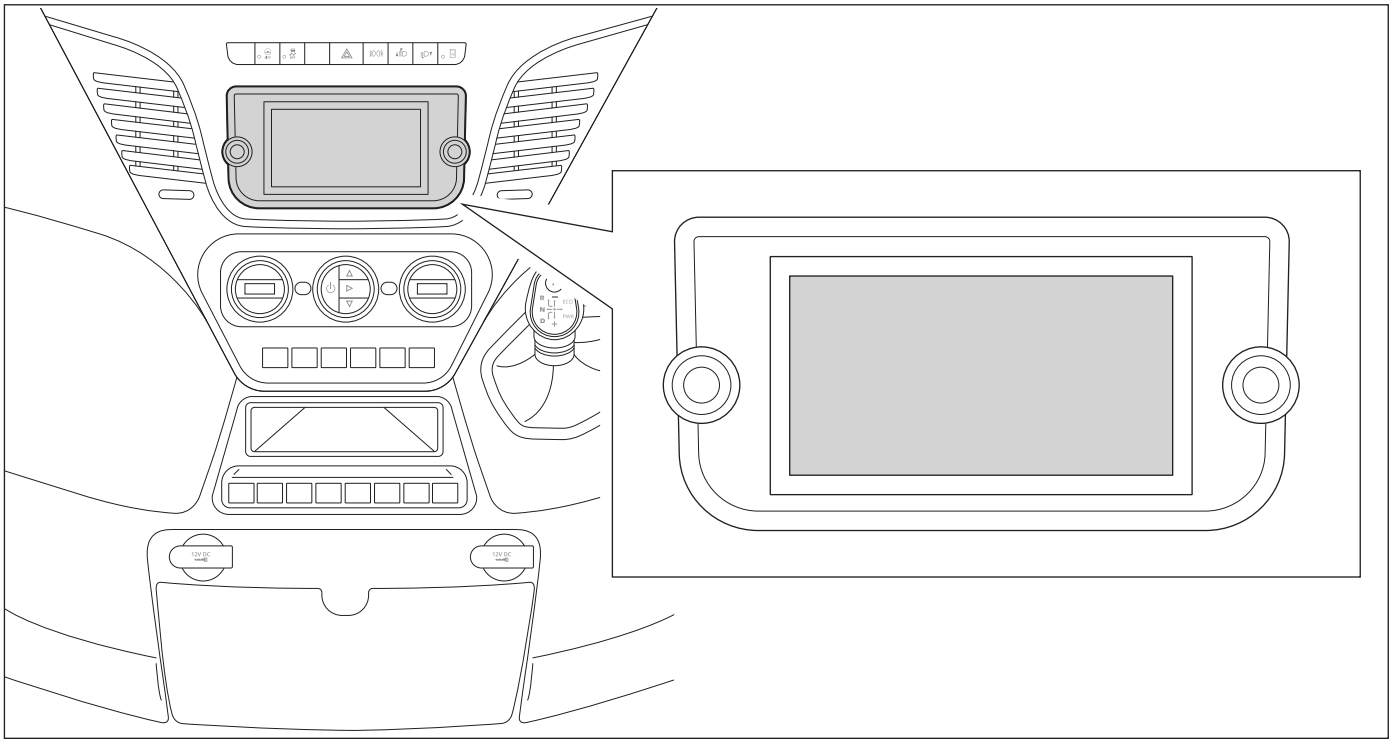
Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Down

Press button in the main operation screen for 5 seconds to access the programming screen.

Vehicle Door Lock / Unlock Control

Press button in the main operation screen for 5 seconds to access the programming screen.



The vehicle can be equipped with:

- A radio with Bluetooth® function.
- A DAB radio with Bluetooth® function.
- Infotainment multimedia system (MY IVECO INFOTAINMENT) with Touchscreen 7.0”, equipped with navigation system, hands-free function and Bluetooth®.

NOTE

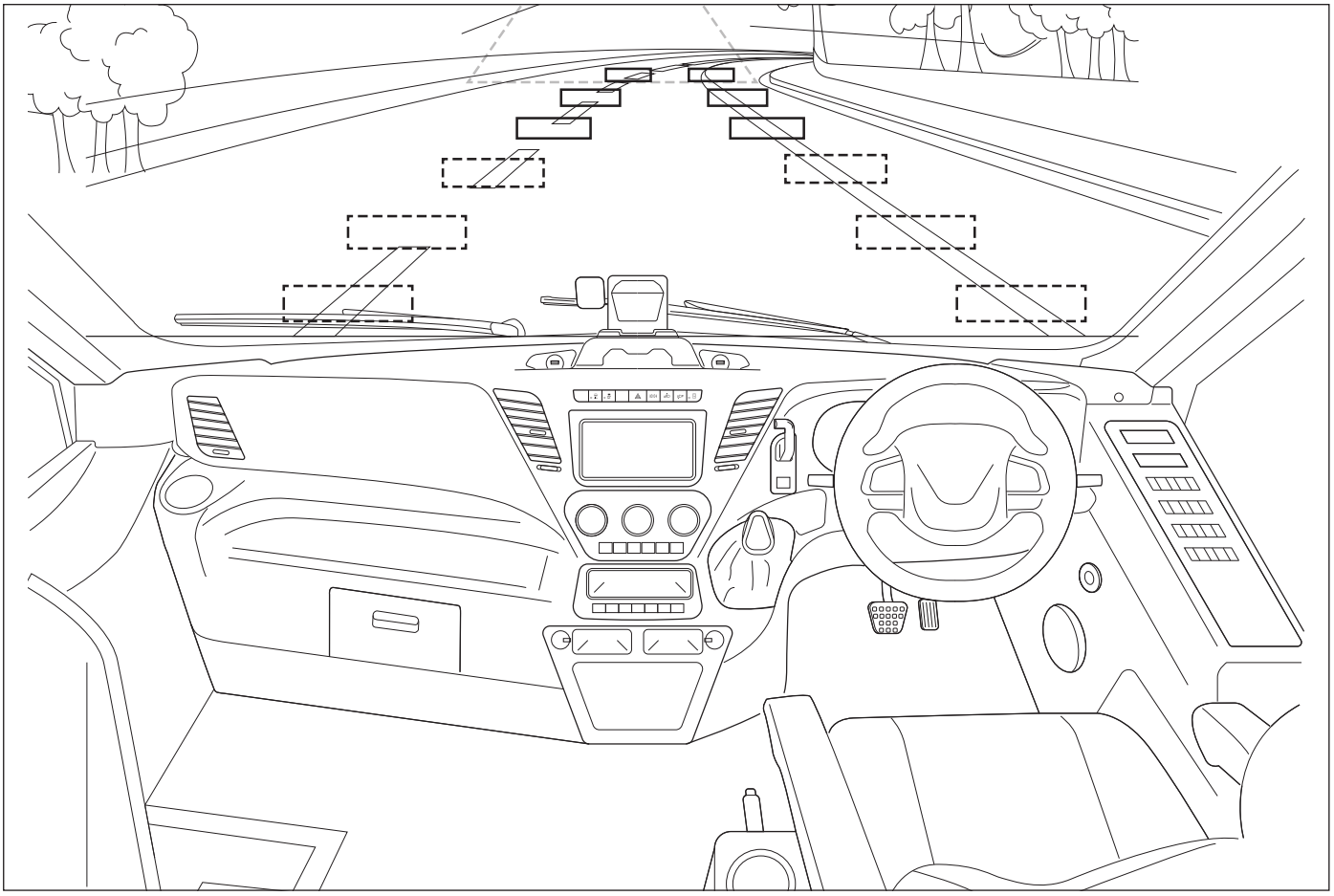
For further information on using this device, please refer to the manual provided.

NOTE

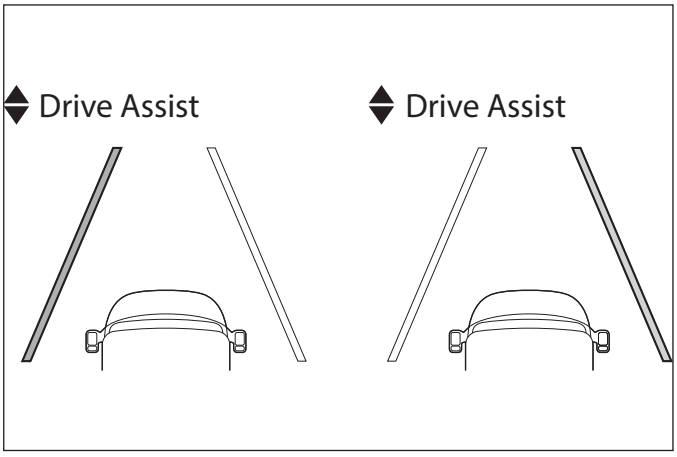
The “USB” and “AUX” functions are provided by the ports **(1)** and **(2)** located in the top part of the dashboard. The left-hand “USB” port **(1)** permits data management and mobile phone and smartphone charging; the right-hand “USB” port **(1)** can be used for charging tablets but not data management.

WARNING

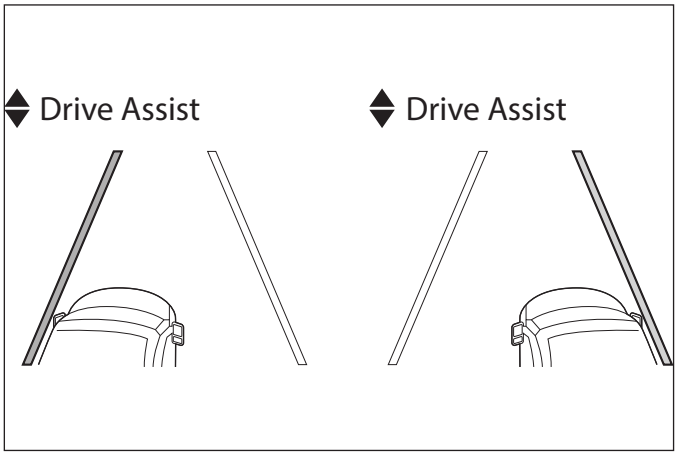
- Use of the device is only permitted when driving and traffic conditions permit. Before using the device, make sure that the operation does not hinder or put the driver, other occupants in the vehicle or other road users in danger.
- You must always be able to hear sirens of police vehicles, fire-fighters, and ambulances from inside the vehicle easily. Make sure you adjust its volume to an appropriate level for the specific driving and traffic conditions.
- Only the use of connection cables and other external devices suitable in terms of safety, electromagnetic compatibility and the level of protection of the radio is allowed.
- Do not bring the device into contact with hot or burning objects (e.g. cigarettes).
- For devices without a touchscreen: do not exert any pressure (with your finger or other objects) on the LCD display.



The “LDWS” (Lane Departure Warning System) warns the inattentive or tired driver of the imminent involuntary departure of the vehicle from the lane, signalling the crossing of the lines that mark off the driving lane.



The signal involves muting the factory-fitted radio (if present) and the simultaneous activation of a instrument panel buzzer.

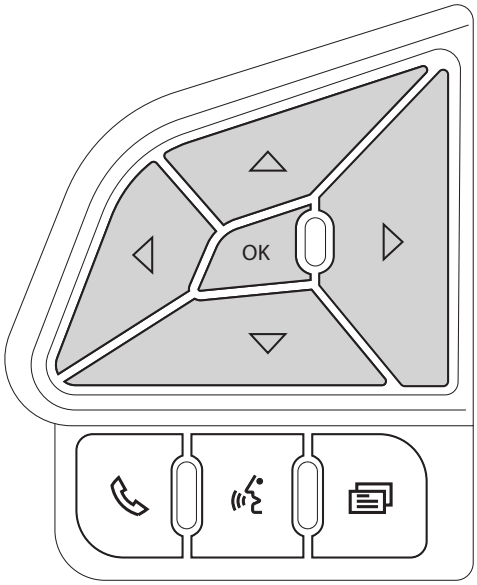


Signalling on the instrument panel

Signalling on the instrument panel requires the following:

- Lane signs are detected, the system goes to stand-by, the system is ready to warn the driver but there is no detection of the vehicle leaving the lane imminently.

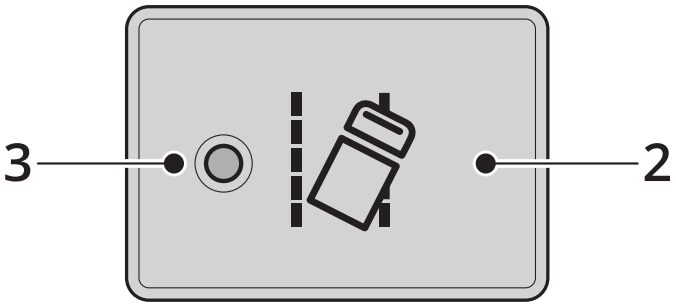
The horizontal road markings have been crossed and a lane departure has been detected. This is indicated by activation of the symbol in the figure on the instrument panel.



System activation

From the designated page (“ADAS”) available in the menu of the multifunctional digital display on the dashboard, navigating using the buttons on the steering wheel.

Once “Lane assist config” has been selected, the system activation page can be accessed.



Activation / deactivation via the button

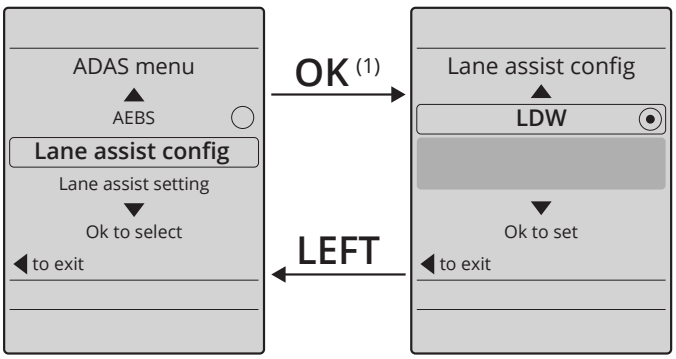
“LDW” can be activated or deactivated using the button on the central dashboard.

To activate:

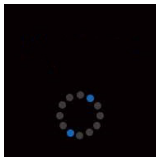
- Press the button **(2)** on the instrument panel.
- After activation, the LED **(3)** on the button turns grey and the following message is displayed: “LDW enabled”. The LDWwarning light on the dashboard will disappear.
- The “LDW” system is activated.

To deactivate:

- Press the button **(2)** on the instrument panel.
- After deactivation, the “LED” on the button will turn yellow and the **(3)** “LDW” warning light on the instrument panel will appear.
- The “LDW” system is deactivated.

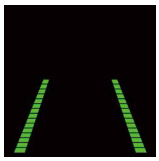


- “LDW”: automatic engagement, checking the item on the page of the display (black circle).



Booting Mode

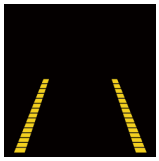
MDAS is turning on.



Lane Detection

Lanes are detected.

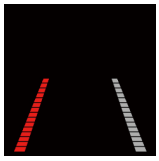
LDW function is available.



Lane Detection Unavailable

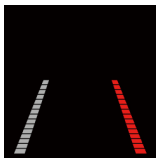
Lanes can't be detected.

LDW function might be limited.



Left Lane Departure Alarm

The vehicle is crossing the left lane without turn signal.



Right Lane Departure Alarm

The vehicle is crossing the right lane without turn signal.

Front Vehicle Detection

Front vehicle is detected.

FCW function is available.

Booting Mode

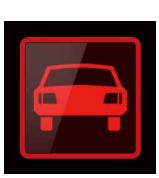
The vehicle stays over 2 seconds since front vehicle started moving.

Forward Proximity Warning

Front vehicle is within the range of FPW warning settings.

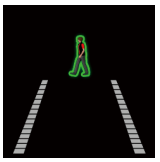
Safety Distance Alarm

Front vehicle is closer than safe distance.



Forward Collision Warning

Collision with front vehicle is impending.



Pedestrian Detection

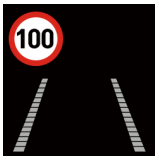
Pedestrian ahead is detected.

Pedestrian Collision Warning

Collision with pedestrian is impending.

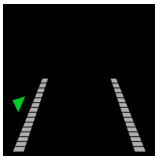
Speed Limit Detection

Speed limit sign is detected.



Over Speed Warning

Current speed limit is displayed. If the sign is blinking, the vehicle speed is over the limit.



Left Turn Signal

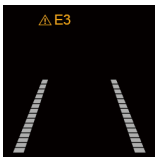
Left turn signal is on.

Camera Connection Error

Camera connection is not good. Contact your local distributor/installer.

CAN Communication Error

CAN communication has a problem. Contact your local distributor/installer.

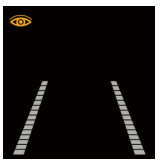


Other Error Icons

E3_Camera view block error.

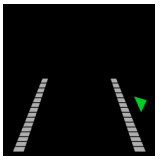
E4_Indicator communication error.

E5_SD card error.



Low Visibility Indication

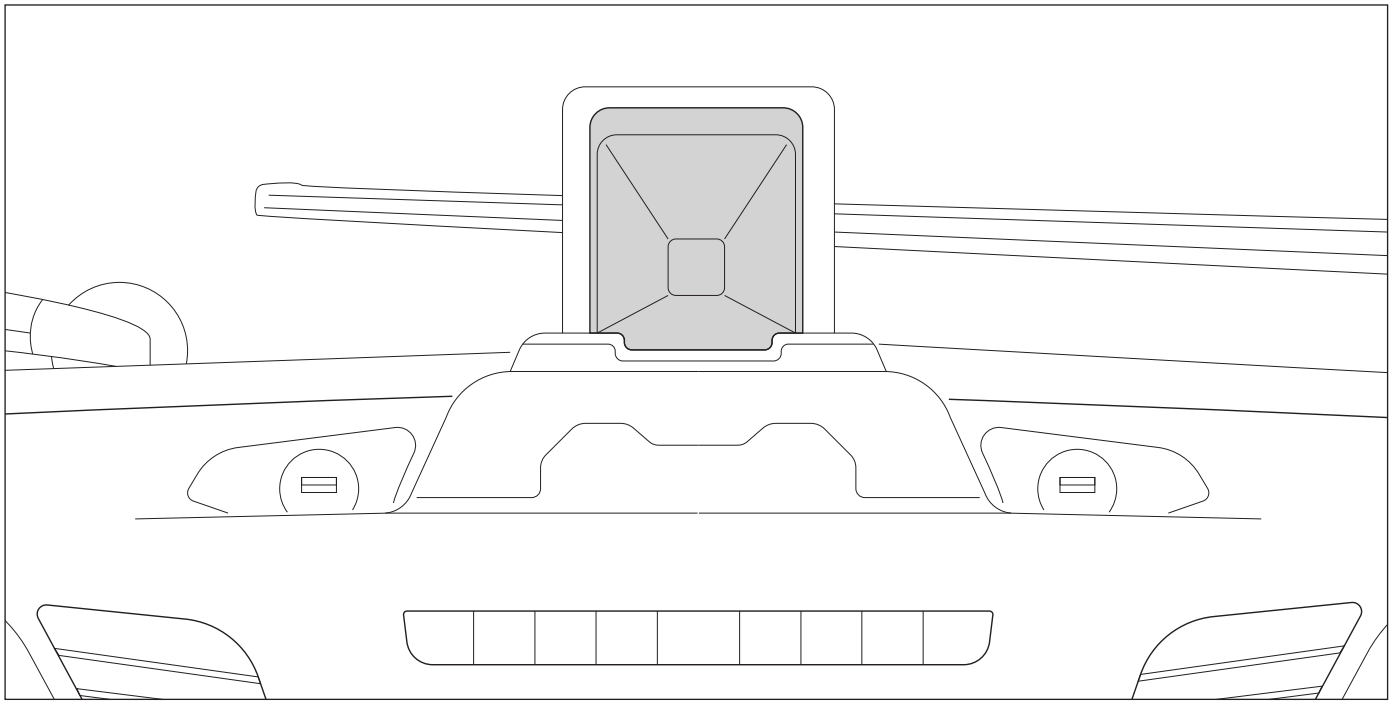
ADAS performance might be limited due to inclement weather condition.



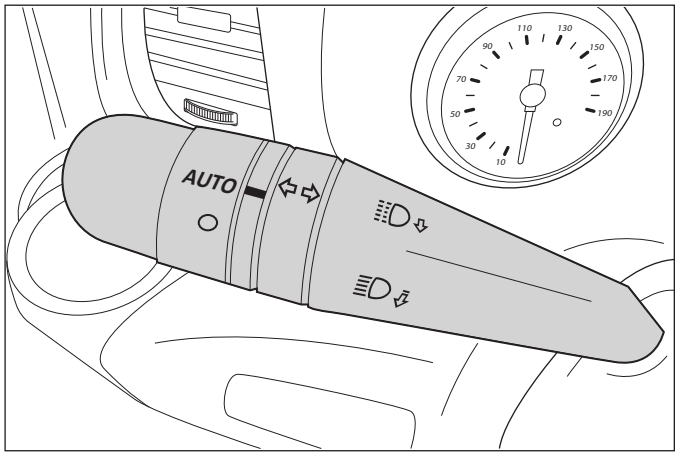
Right Turn Signal

Right turn signal is on.

RAIN & DAY LIGHT SENSOR



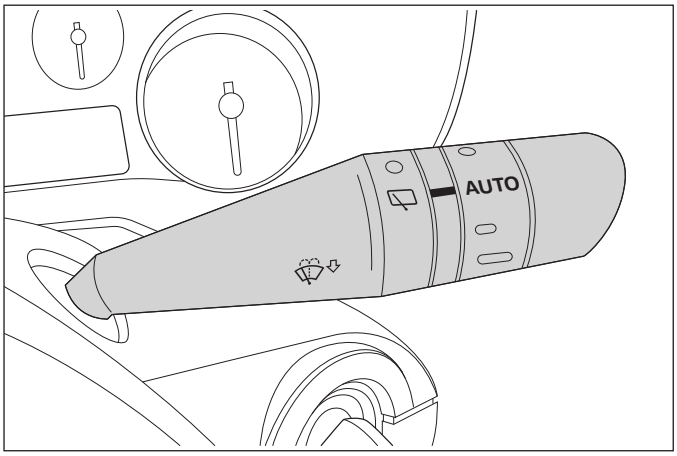
The rain and light sensor detects raindrops on the windshield, automatically activating the wipers and adjusting their speed based on the intensity of the rain. It also measures ambient light levels and automatically turns on the headlights in low-light conditions (such as dusk, tunnels, or poor weather). This sensor enhances safety during both daytime and nighttime driving. The rain & daylight sensor is located behind the driver console, the interior side of the windshield.



To activate the daylight sensor bring the left stalk to **AUTO** position by rotationg the seleeve on it.

WARNING

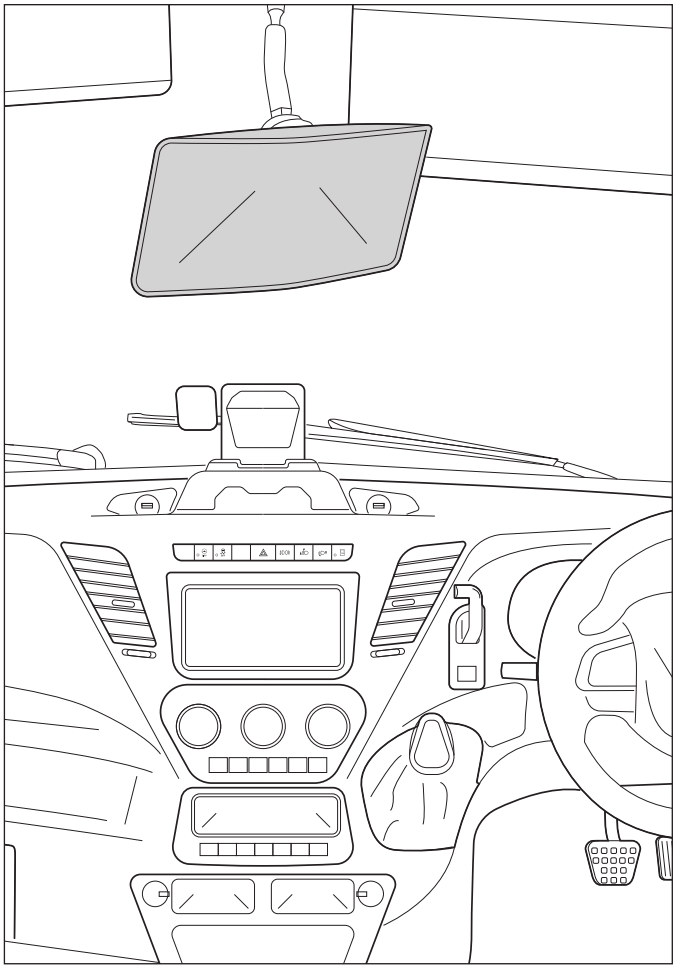
- The function can only be activated with the ignition switch is in the "**MAR-1**" position.
- Do not activate the rain sensor when washing the vehicle in a car wash.
- If there is frost on the windscreen, make sure that the device has been switched off.



To activate the automatic function: set the wiper switch to "**AUTO**". The wiping speed depends on the speed at which the vehicle is travelling.

To deactivate the automatic function: Turn the wiper switch to the "**0**" position to disable the function.

INTERIOR REAR VIEW MIRROR



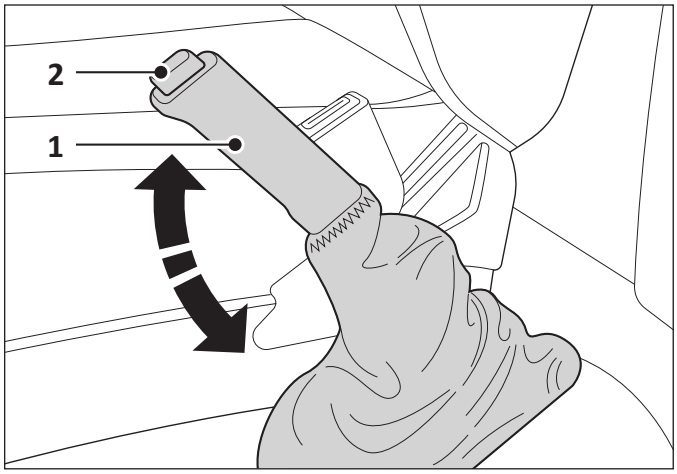
Interior rear view mirror can be adjusted right, left, up or down manually (by holding mirror cover). When the desired position is get, mirror can be released.

Internal rear-view mirror allows the driver to monitor the rear passenger compartment and the road behind the vehicle. It is essential for ensuring that passengers are safely seated, particularly when the vehicle is in motion.

The mirror helps the driver keep an eye on passengers, particularly in ensuring that everyone is seated and that there is no unsafe behavior, especially during boarding, disembarking, and transit.

It provides a quick visual check for the driver to detect any unusual situations inside the bus, such as passengers standing up or moving around when the bus is in motion, which can be dangerous.

PARKING BRAKE



Prevents the vehicle from skidding in the parked position. Always engage the parking brake after parking your vehicle.

Press the brake pedal and stop the vehicle before engaging the parking brake. Pull the lever (1) upwards to its limit. Warning lamp illuminates in the instrument panel when the parking brake is engaged.

To release the parking brake, depress brake pedal first. Then push and hold the button (2) on the lever and birng the lever into the rest position.

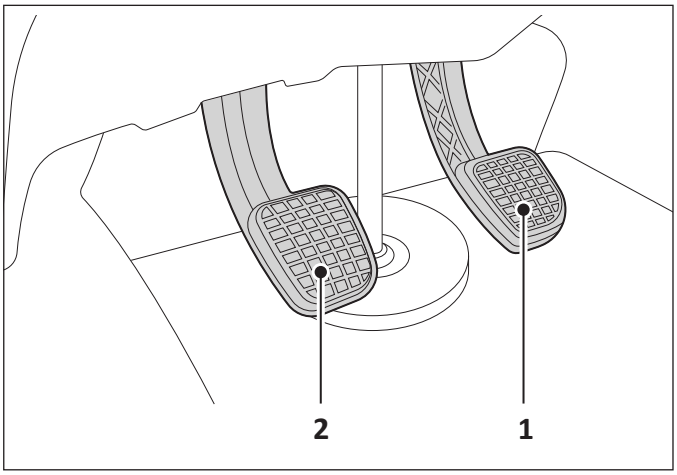
WARNING

In cold weather, moisture can cause the parking brake to freeze in the engaged position. If this occurs, avoid using excessive force to release the brake, as this can damage the system. Instead, try warming the area around the brake or moving the vehicle slightly to break the ice. Regularly check the brake for signs of freezing during winter months.

WARNING

Uphill or downhill, with a particular steep gradient, put a wedge (chock) respectively either behind or in front of the wheels of the most laden axle (normally behind or in front of the rear wheels with the vehicle loaded, the front wheels with the vehicle unladen).

PEDALS



1. **Accelerator Pedal:** Keep your right heel on the floor while using the ball of your foot to press the accelerator pedal. This provides a stable pivot point for smooth acceleration and allows you to transition quickly to the brake pedal when needed.

2. **Brake Pedal (Service Brake) :** Position your right foot so that the ball of your foot is on the brake pedal. This allows for better control and sensitivity, enabling you to apply the necessary amount of pressure for gradual braking. Avoid using your left foot on the brake pedal, as this can lead to jerky movements and reduce overall control.

WARNING

Apply the brake pedal progressively, starting with light pressure and gradually increasing the force as needed. This technique, known as “progressive braking,” helps to maintain a smooth deceleration, which is particularly important for passenger comfort in your vehicle.

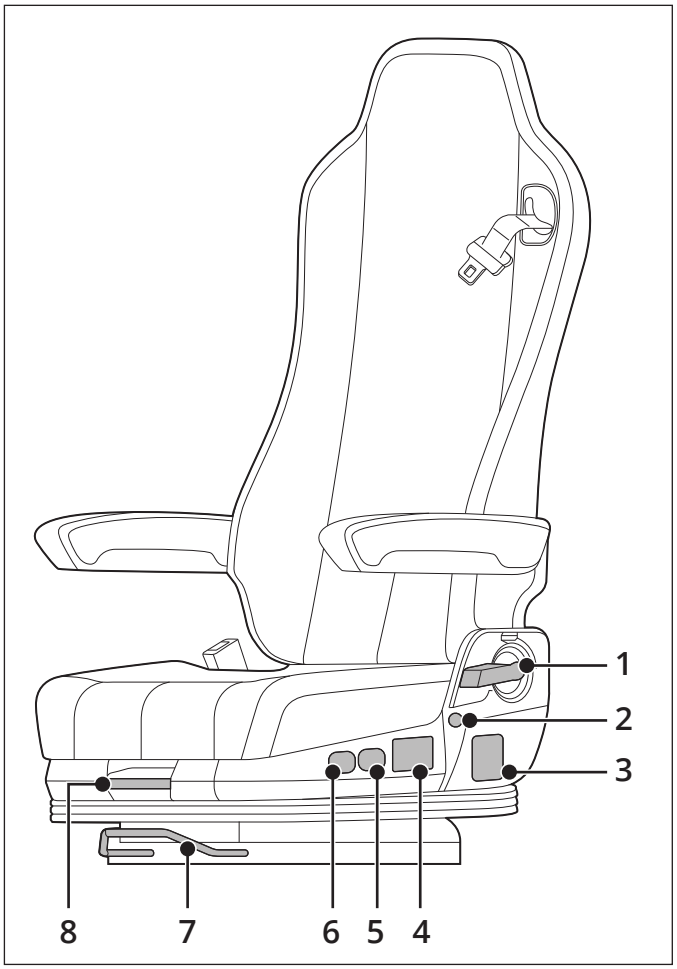
Avoid sudden or harsh braking unless it is necessary in an emergency. Abrupt braking can cause passengers to lurch forward and may lead to accidents if vehicles behind you cannot stop in time.

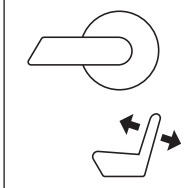
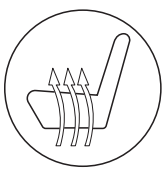
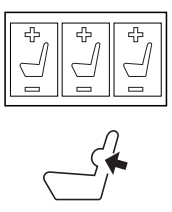
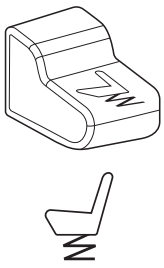
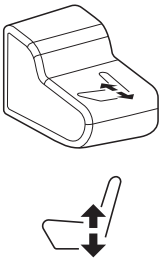
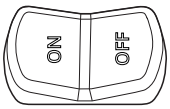
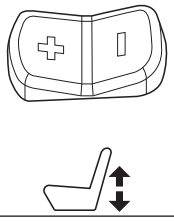
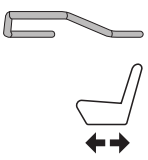
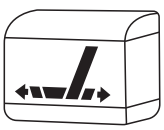
WARNING

- **Wet or Slippery Roads:** Increase your following distance and apply the brakes earlier and more gently than usual. Slippery surfaces reduce the effectiveness of braking, and sudden or hard braking can cause the vehicle to skid.
- **Hilly Terrain:** Use engine braking when descending hills by shifting to a lower gear. This reduces reliance on the brake pedal and prevents brake overheating, which can lead to brake fade or failure.
- **Traffic:** In stop-and-go traffic, avoid riding the brake pedal. Instead, maintain a safe distance from the vehicle in front and use gentle braking to avoid sudden stops.

CAUTION

- Continuous use of the brake pedal, especially on long descents, can cause the brakes to overheat, reducing their effectiveness. Use engine braking by downshifting to a lower gear to help control speed without relying solely on the brakes.
- If you notice a spongy brake pedal or a burning smell, it may indicate brake overheating. In such cases, pull over safely and allow the brakes to cool before continuing your journey.



1		**BACKREST ADJUSTMENT** By pulling the lever, the desired angle can be given to the backrest. To lock the backrest at the desired angle, operator must release the lever.
2		**HEATER ADJUSTMENT** When the heater button is pressed, the heater is activated, it can be adjusted as level 1 or level 2. The heater is switched off by pressing the button.
3		**LUMBAR ADJUSTMENT** The operator may adjust the curvature of the backrest by managing the buttons for each indicated area on the buttons at the desired level.
4		**ADJUSTABLE SHOCK ABSORBER** The stiffness of the absorber can be adjusted by rotating the handle.
4		**TILT ADJUSTMENT** While the operator is on the seat, the handle should be lifted up to adjust the cushion tilt at the desired angle. 3 levels of tilt adjustment is possible.
5		**ON-OFF ADJUSTMENT** The air inside the system is released by pushing the OFF button. OFF button is for fast release. To operate the seat, ON button should be pushed.The system is adjusted pneumatically.
6		**HEIGHT ADJUSTMENT** Height must be adjusted by pushing the button when the operator sits in the seat. The button musn't be pushed more than 30 sec. at the top position.
7		**FORE / AFT ADJUSTMENT** By pulling the lever up, operator can adjust the fore /aft position of the seat. Before having the sound of lock, the vehicle must not be started. The steps of the adjustment is 10 mm.
8		**SEAT DEPTH ADJUSTMENT** When the operator is on the seat, the cushion adjustment lever is pulled up to operate the seat cushion depth adjustment. It is possible to set up 6 different positions in 60 mm course.

03 DRIVING INFORMATION

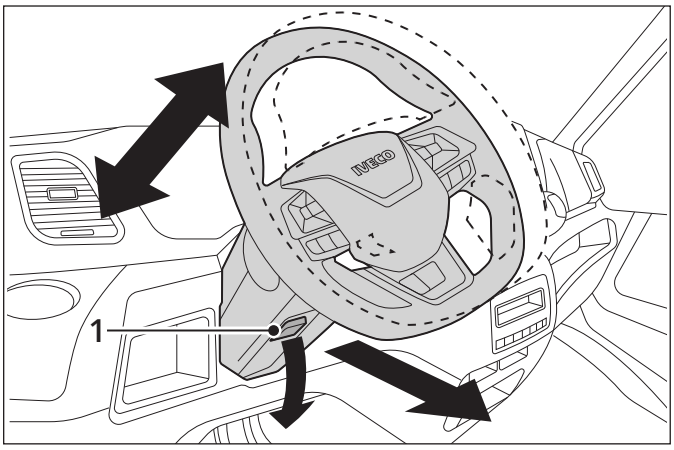
CHECK THE DOORS & HATCHES

Make sure that all doors and hatches are closed and locked before driving. Before you start driving, check that the doors are closed on the LCD displays.

CAUTION

If doors or hatches are open while driving, serious damage or injury can result.

STEERING WHEEL ADJUSTMENT



The position of the steering wheel can be changed by adjusting its height so that it is appropriate to the driver's height.

These adjustments are carried out as follows:

- Engage the parking brake.
- Release lever **(1)**.
- Hold the steering wheel with two hands, lift it or lower it by pulling it towards you until the required position is reached.
- Lock lever **(1)** in the position required in the steering column.

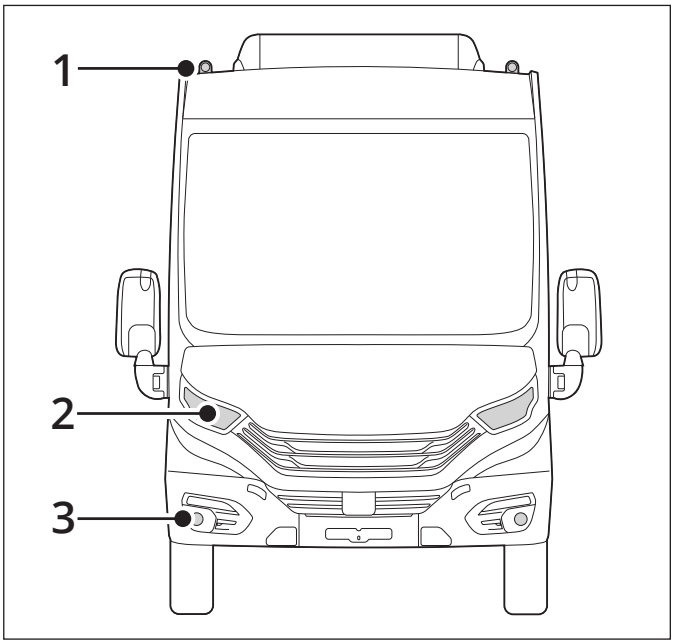
WARNING

This operation must be carried out only when the vehicle has come to a complete stop, with the parking brake engaged, ensuring proper locking of the steering wheel. Check vehicle maneuverability.

Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle

In the exceptional circumstance where the power steering mechanism should fail, remember that the effort required for steering is considerably higher, even if the mechanical connection between the steering wheel and wheels still functions. Contact the Service Network if there is any steering wheel fault.

CHECKING HEADLAMPS



Check the headlamps before starting to drive.

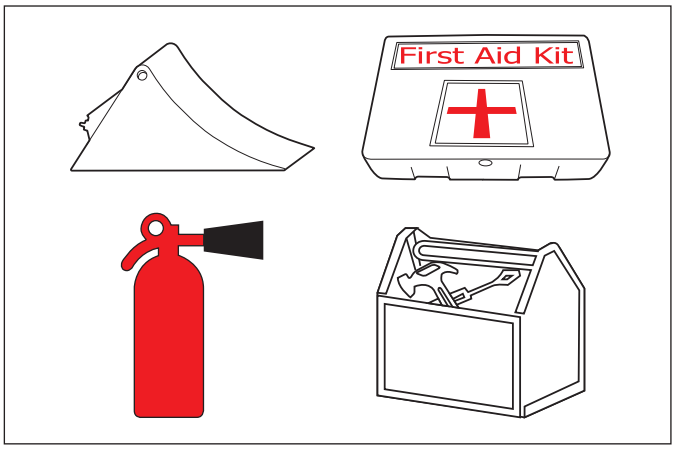
1. Top Marker Light
2. Headlight
3. Fog Light

Do not start driving if any of the headlamps is not working.

WARNING

Headlamps increase visibility and provide better sight during night driving. In case of malfunction, driving at night may result in accidents.

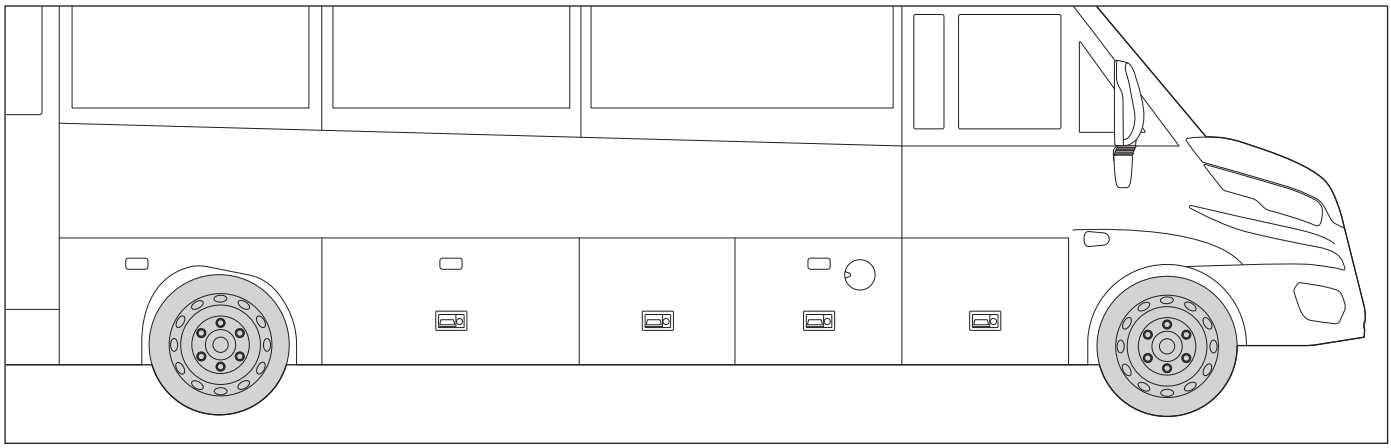
CHECK EMERGENCY EQUIPMENTS



In case of emergencies that may occur while driving, the necessary equipment must be complete. Make sure that the emergency equipment and tool kit are complete before you start driving.

WARNING

Medical supplies in the first aid kit have an expiry date. These materials are useless after their expiry date. Therefore, periodically check that the materials in the set are in usable condition.

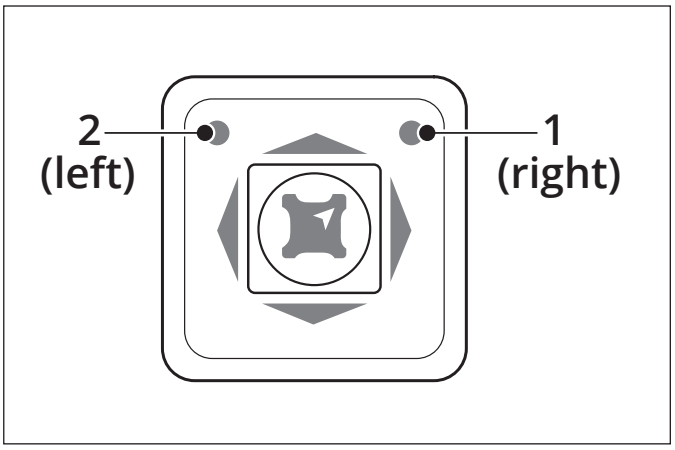


MODEL	GVW (KG)	TYRE SIZE/LOAD INDEX	MAXIMUM PERMITTED LOADS ON SINGLE AXLES			
			FRONT AXLE	RELATIVE PRESSURE	REAR AXLE	RELATIVE PRESSURE
Single wheel vehicles			Front single wheel		Rear single wheel	
30S-33S	3000	215/65 R16 - 109/ 107R225/65 R16 - 112/ 110R	1750	215/65 = 400 kPA (4.0 bar ; 58 psi) 225/65 = 370 kPA (3.7 bar ; 53 psi)	1900	215/65 = 425 kPA (4.25 bar ; 62 psi)225/65 = 400 kPA (4.0 bar ; 58 psi)
	3300		1800		2060	425 kPA (4.25 bar ; 62 psi)
35S	3500	225/65 R16 - 112/110R	1900	400 kPA (4.0 bar ; 58 psi)	2240	475 kPA (4.75 bar ; 69 psi)
38S	3800	235/65 R16 115/113R	1900	350 kPA (3.5 bar ; 51 psi)	2240	450 kPA (4.5 bar ; 65 psi)
	3800				2430	475 kPA (4.75 bar ; 69 psi)

MODEL	GVW (KG)	TYRE SIZE/LOAD INDEX	MAXIMUM PERMITTED LOADS ON SINGLE AXLES			
			FRONT AXLE	RELATIVE PRESSURE	REAR AXLE	RELATIVE PRESSURE
Twin wheel vehicles			Front single wheel		Rear twin wheel	
35C- 40C	3500	195/75 R16 - 107/105R	1900	450 kPA (4.5 bar ; 65 psi)	2600	350 kPA (3.5 bar ; 51 psi)
	4200				3100	
35C- 50C	3500	195/75 R16 - 110/108R	2100	500 kPA (5.0 bar ; 73 psi)	2600	
	4200				3100	
	5000				3700	450 kPA (4.5 bar ; 65 psi)
60C	4200	225/65 R16 - 112/110R	2200	400 kPA (4.0 bar ; 58 psi)	4200	400 kPA (4.0 bar ; 58 psi)

CHECK EXTERIOR REAR VIEW MIRROR

Electric Rear-view Mirror Control



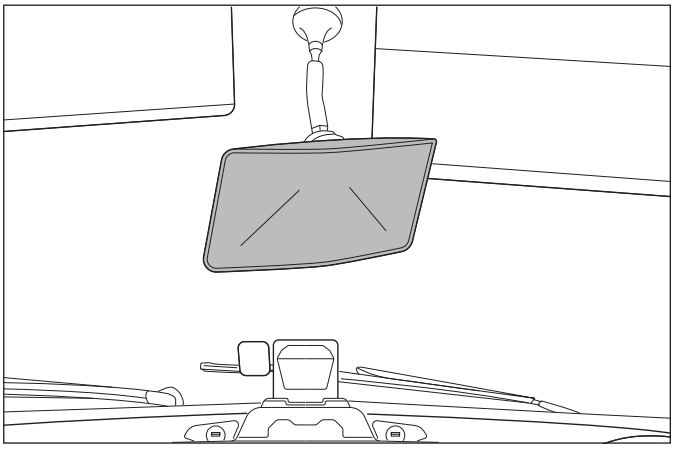
The mirror control button allows you to adjust the position of the left and right outside rear-view mirrors.

Move the lever to **1 (Right)** or **2 (Left)** to select the mirror to be adjusted. Then press a corresponding point on the mirror adjustment button to position the selected mirror up, down, left or right.

NOTE

For safety reasons, adjustments must be made while the vehicle is stationary.

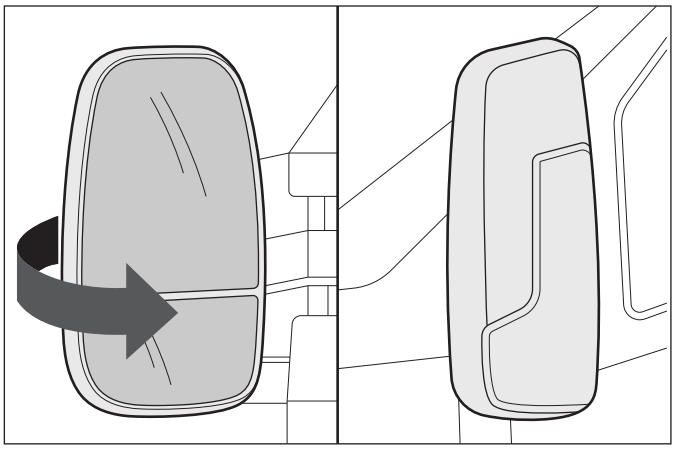
CHECK INTERIOR REAR VIEW MIRROR



Interior rear view mirror can be adjusted right, left, up or down manually (by holding mirror cover). When the desired position is get, mirror can be released.

Adjust the rear view mirror to see inside and the back side of the vehicle.

CHECK EXTERIOR REAR VIEW MIRROR



They are adjusted by moving the sides of the reflecting surface: they can also be folded manually.

WARNING

Before every journey, check that the internal and external rear-view mirrors are intact and provide correct visibility.

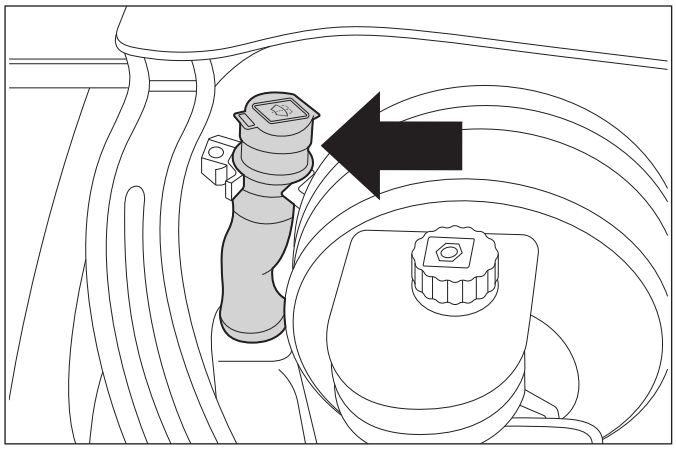
WARNING

The distance displayed by the mirrors is approximate. Evaluate all distances carefully before manoeuvres/lane changes.

NOTE

A specific type of mirror is shown in the figure but the procedure is the same for all available mirrors.

CHECK WIPER WATER TANK



Check the fluid level in the wiper water tank.

The table provides the ratio of water to fluid for any top-ups required: CUNA NC 956-11

EXTERNAL TEMPERATURE	-35 °C	-20 °C	-10 °C	0 °C	SUMMER
CUNA NC 956-11 (in parts)	1	1	1	1	1
Water (in parts)	-	1	2	6	10

Also check that the lines are not clogged; If necessary, clean the nozzles with a needle.

WARNING

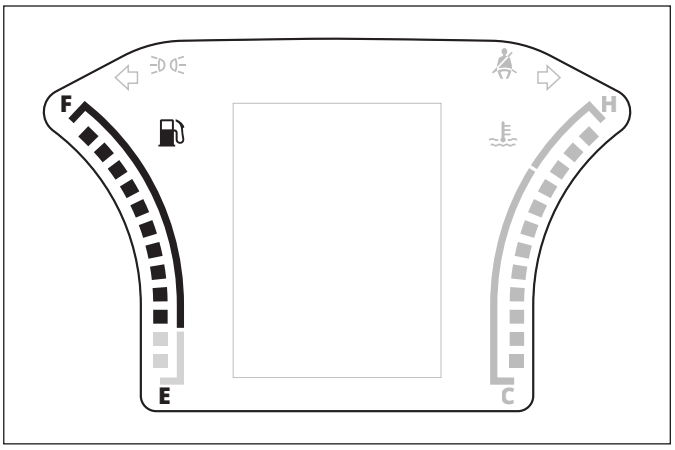
Some commercial windscreen washer additives are inflammable: pay attention to contact with hot parts of the engine.

Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle

Also check:

- The condition of the battery terminal connection cables.
- Operation of the service and parking brakes.
- Operation of the lights, warning lights, horn and windscreen wipers.

CHECKING FUEL LEVEL

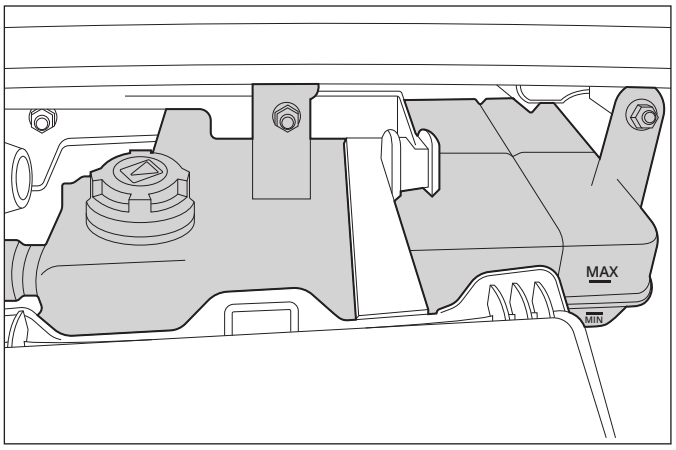


Check the fuel level before starting to drive.

Always use the proper type of fuel to refill the tank.

Do not wait to refill until all the fuel in the tank finishes completely.

CHECK ENGINE COOLANT



Check the engine coolant level.

The level must be between the MIN and MAX reference marks on the tank.

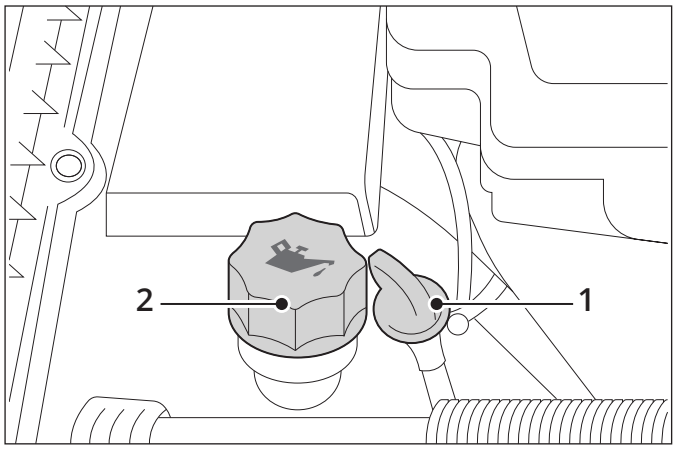
Use the recommend product for topping up: Concentrated OAT protective fluid for radiators.

The level should never go below the MIN level. Top up if necessary through the filler (3).

WARNING

Carry out the check only with the engine off and sufficiently cooled; otherwise opening the plug could cause hot fluid to spray out.

Failure to comply with these prescriptions can result in the risk of serious injury



Check the engine oil level with the dipstick (1).

Top up if necessary through the filler (2).

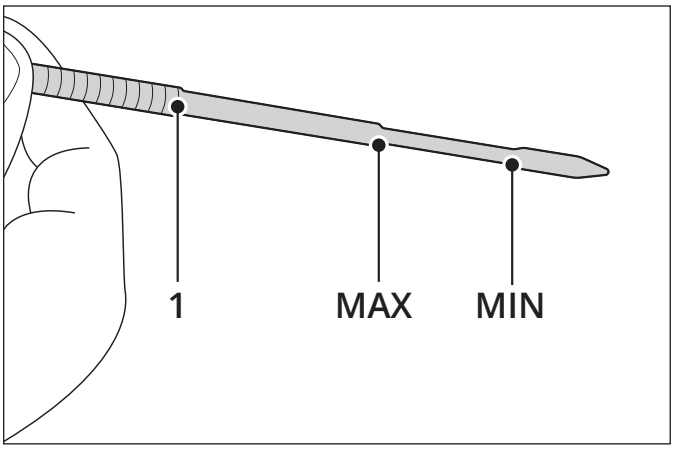
CAUTION

After topping up, close the filler properly to prevent dangerous oil leaks while driving.

Failure to comply with these prescriptions can result in the risk of serious injury

CAUTION

Never exceed the maximum level when topping up with oil.



The oil level must be between the MIN and MAX reference marks on the dipstick (1).

The oil level must never exceed the MAX reference point on the dipstick.

NOTE

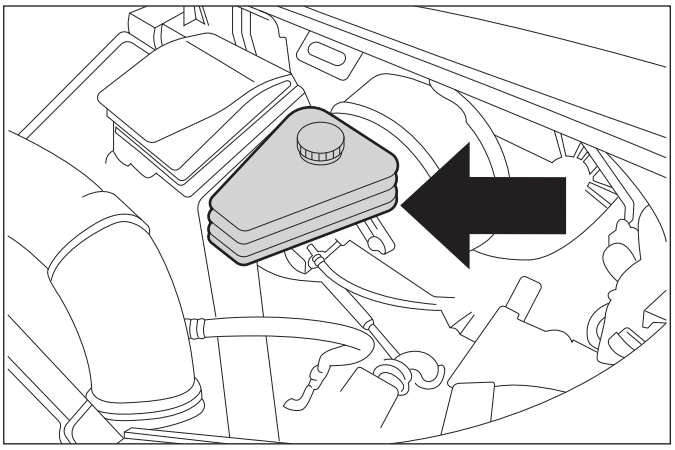
It is essential that you wait at least 20 min after the engine has stopped before checking the level.

NOTE

On engines equipped with a particulate filter the oil must be changed at authorized workshops only.

Use the recommended product for topping up: SAE 0W-30 / ACEA C3

CHECK BRAKE FLUID LEVEL



Check the brake control fluid level.

Unscrew the plug and check that the brake fluid is at the maximum level.

If a low level is detected, contact a IVECO Service Network workshop.

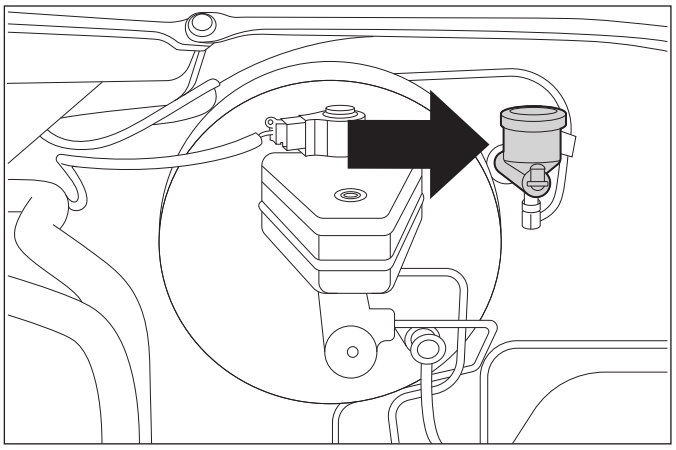
Use the recommended product for topping up: FMVSS 116 - DOT 4 / ISO 4925 / SAE J1704

CAUTION

The brake fluid is poisonous and corrosive: in the event of accidental contact immediately wash with water and neutral soap.

Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle

CHECK FUEL FILTER



If the water presence indicator light activates on the instrument panel, the vehicle must be taken immediately to a IVECO Service Network workshop to eliminate the water accumulated in the filter body to avoid damage to the fuel system. If the warning light remains on, replace the sensor unit.

CAUTION

The brake fluid is poisonous and corrosive: in the event of accidental contact immediately wash with water and neutral soap.

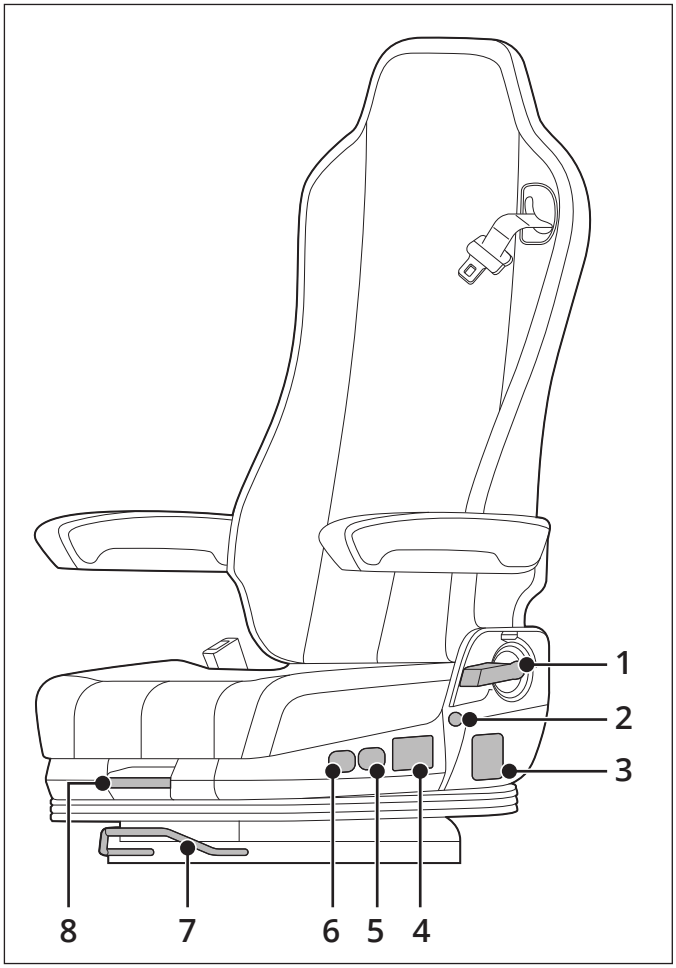
Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle

DRIVER SEAT

ADJUSTING DRIVER'S SEAT

WARNING

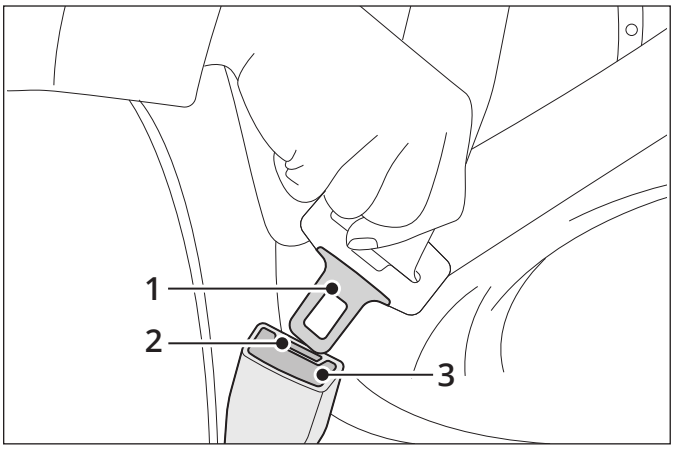
- Driver's seat adjustment should only be made when the vehicle is stationary.
- After adjusting the seat forward and backward, make sure that the seat stays in place.



1	BACKREST ADJUSTMENT
2	HEATER ADJUSTMENT
3	LUMBAR ADJUSTMENT
4	ADJUSTABLE SHOCK ABSORBER
4	TILT ADJUSTMENT
5	ON-OFF ADJUSTMENT.
6	HEIGHT ADJUSTMENT
7	FORE / AFT ADJUSTMENT
8	SEAT DEPTH ADJUSTMENT

SAFETY BELT

Fastening - Unfastening



The vehicle is equipped with a seat belt with a roller mechanism which automatically rewinds the seat belts allowing maximum free movement when worn.

The seat belts have load limiter and electronically controlled pretensioners.

Furthermore, the anchoring points are connected to the seats in such a way as to guarantee the correct protection regardless of the seat position.

To fasten the seat belt, grip the tongue **(1)** and insert it into the buckle **(2)** until hearing the catch engage.

To release the belt, press the button **(3)** located on the top end of buckle.

Hold the belt as it rewinds to prevent it from twisting.

The belt does not require manual adjustment: the belt adjusts automatically to the length most suitable for the driver, allowing full freedom of movement, provided that none of these movements are sudden.

NOTE

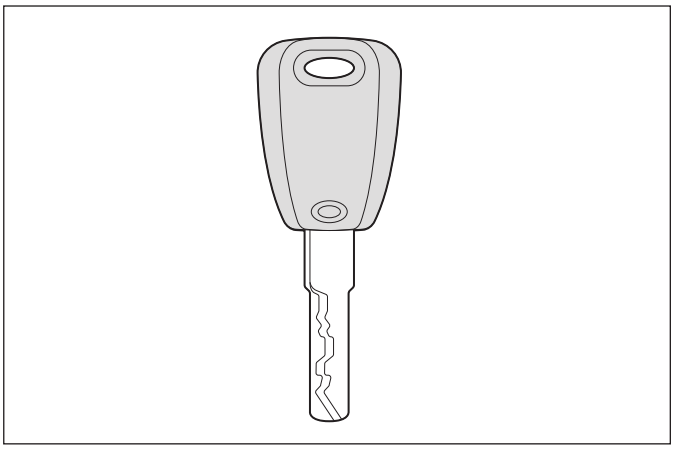
Do not press the button (3) while driving.

NOTE

If the seat belt should lock following one of the cases mentioned above, allow a short section to rewind so as to deactivate the locking mechanism.

VEHICLE KEYS

Key without Remote Control



Every vehicle has a unique ignition key. This key cannot be used on other vehicles.

The ignition key only starts the vehicle, regardless of the other keys supplied with the vehicle.

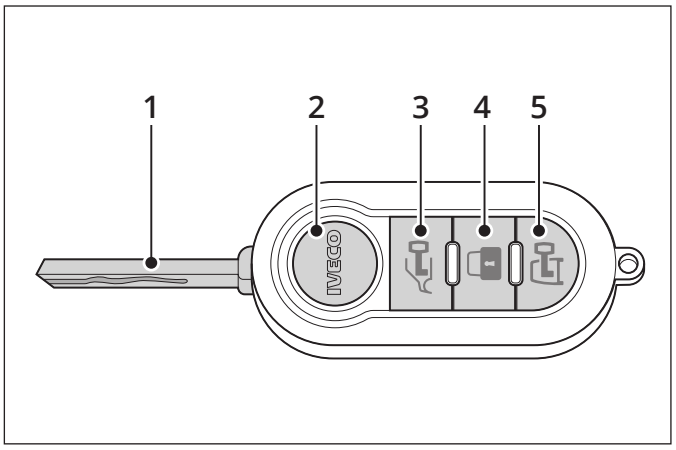
Operates:

- The engine starter switch.
- The door lock.
- Opening/closing of the fuel tank.

When the door is unlocked, the front ceiling light comes on.

The ceiling light switches off when the door is locked.

Key with Remote Control



The metal insert **(1)** is hidden in the grip.

Operates:

- Start device.
- Door lock.
- The opening/closing of the fuel filler cap.

Press button **(2)** to extract the metal insert.

CAUTION

Press button **(2)** only with the key held away from the body, the eyes in particular, and from items liable to be damaged (such as clothing). Never leave the key unattended, to prevent anyone, particularly children, from tampering with it and inadvertently pressing the button.

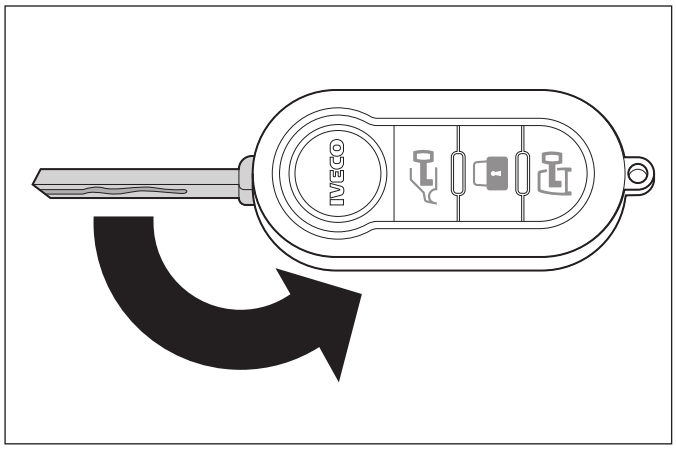
CAUTION

Do not use the key inserted in the lock as a handle to open and close the sliding side doors.

STARTING THE ENGINE

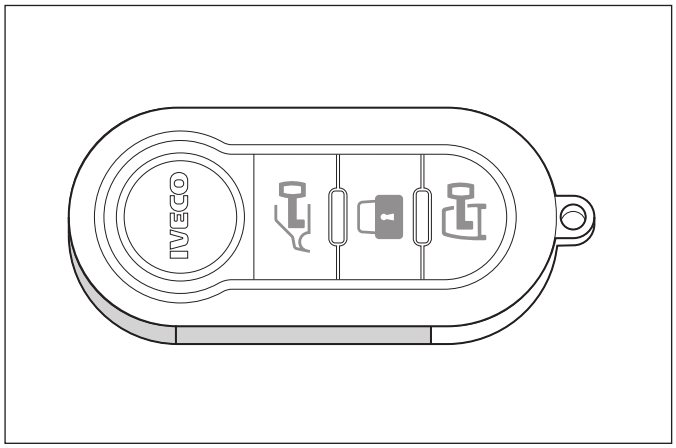
VEHICLE KEYS

Key with Remote Control



To reinsert it, proceed as follows:

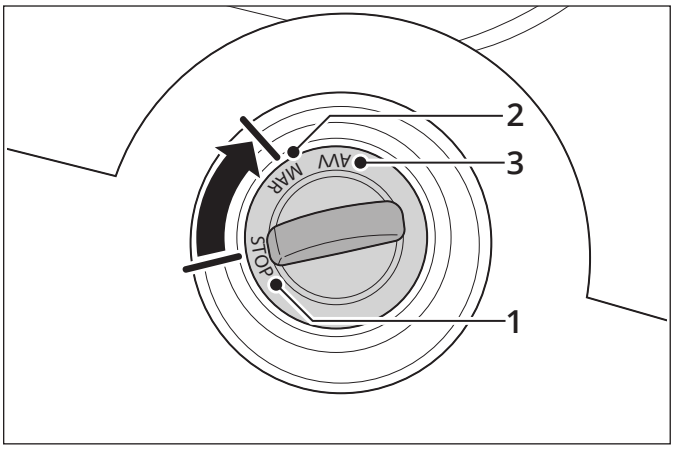
- Press and hold button **(2)** and move the metal insert **(1)**.
- Release button **(2)** and rotate the metal key insert **(1)** until it clicks closed.



Moreover:

- Button **(3)** unlocks the front doors. When the doors are unlocked, the front ceiling light comes on for **10s**.
- Button **(4)** unlocks all doors. When the doors are locked, the ceiling lights go off.
- Button **(5)** unlocks the loading compartment doors. When the doors are unlocked, the loading compartment ceiling light comes on for **10s**. Some versions are supplied with a key fitted with two remote control buttons to lock and unlock all doors.

STARTING

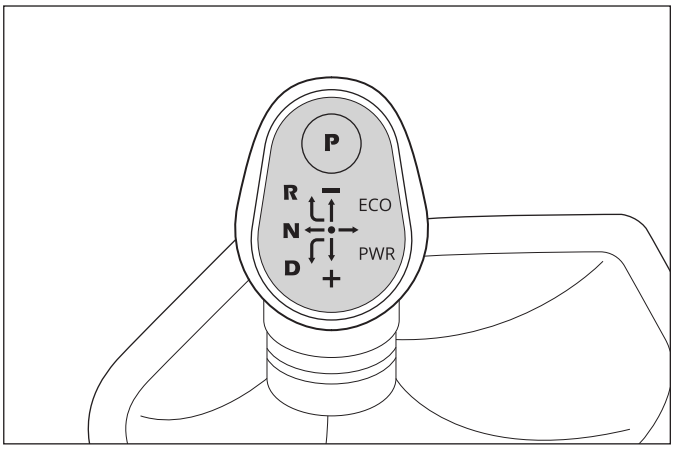


1. **STOP:** Insertion and extraction of the key - engine off - steering lock, Immobilizer engaged.
2. **MAR:** Pre-installation for engine starting - various indicators, immobilizer disabled (running position).
3. **AVV:** Start engine (unstable position: when released, it returns automatically to “MAR-1”.

WARNING

Risk of the steering wheel locking while driving.

- In the event of tampering with the ignition switch (e.g. attempt to steal the car), it is advisable to have the correct operation of the device checked by the Service Network. Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle



The “HI-MATIC” gearbox is an automatic gearbox with torque converter. The gearbox gearings are activated by means of electric actuators in the electro-hydraulic system and all the commands reach the control system via the “CAN” network.

The automatic gearbox electronic control lever replaces the conventional mechanical lever and is not mechanically connected to the gearbox.

In order to use the automatic gearbox correctly, this chapter must be read fully so that the user is fully aware, from the moment the vehicle is first used, of the correct actions and which actions may be carried out.

WARNING

Failure to observe the indications below may have a serious damaging effect on the gearbox.

- Only select “P (Parking)” when the vehicle is completely stationary.
- The “**Parking**” position is automatically engaged when the ignition key is set to “**STOP**”.
- Select “**R (Reverse)**” or move from here to another position only when the vehicle is traveling at very low speed (below 5 km/h)
- To move from “**P**” to “**R (Reverse)**”, or “**N (Neutral)**” or “**D (Drive)**”, (with the engine running and the vehicle stationary), fully depress the brake pedal.

CAUTION

Only engage the gear when the engine is running at the normal idle speed and the driver’s foot is firmly in contact with the brake pedal. Moving the gearbox lever from **P (Parking)** or **N (Neutral)** with the engine speed above idle can cause the vehicle to accelerate dangerously and cause the driver to lose control of the vehicle.

Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle.

CAUTION

Before leaving the vehicle, always engage the parking brake, move the gearbox to P (Parking) (vehicles with an automatic gearbox), engage the appropriate gear (vehicles with a manual gearbox) and switch off the engine.

Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle.

P (Parking)

P — Select park state only when your vehicle is stationary. “Parking” can be selected by pressing “P” or it engages automatically when the ignition switch is set to “STOP-0”.

R (Reverse)

R — Press button to decrease the set temperature.

N (Neutral)

N — Press button to blink all signal lamps. Repeat the process to deactivate all signal lamps.

D (Drive) - Automatic Mode

D — Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Up

ECO — Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Up

PWR — Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Up

— Press button in the main operation screen for 5 seconds to access the programming screen.

Headlight Adjuster - Up

\+ Press button in the main operation screen for 5 seconds to access the programming screen.

EBD - Electronic Brake – Force Distribution. Electronic brake force distribution system

CAUTION

A breakdown of the ABS

- EBD device modifies the braking behaviour of the vehicle. Contact the IVECO Service Network as soon as possible, and drive with extreme caution.

It is recommended that the following specifications are observed:

- During the braking action, the brake pedal may be subjected to light pulsations due to the ABS system.
- When the ABS is activated, pulsations are felt on the brake pedal, do not release the pressure but keep the pedal fully pressed down; This way the vehicle will stop in the shortest possible distance, compatibly with the road conditions.
- System performance in terms of active safety, must

not induce the driver to take unnecessary and unjustified risks.

- The driving style must be appropriate for weather conditions, road conditions and traffic.
- Maximum possible deceleration in any case always depends on the grip between the tyres and road surface. Bear in mind that in the event of snow or ice, the grip is greatly reduced and therefore, in these conditions, stopping distances remain high even with the ABS system.
- The switching on of the ABS warning lights +  warning light with the engine running and of the EBD

fault message, indicates a fault in the system with the failure of both the ABS and EBD functions. In this case, hard braking can lock the wheels, with risk of the vehicle skidding. If only the ABS warning light turns on, the EBD can continue to function, whilethe ABS function is lost. In all cases, drive the vehicle, avoiding sudden braking, to the nearest IVECO Service Network point for a system check-up.

ASR and ESP

In addition to the typical brake control functions, these systems make it possible to inhibit shifting to a higher gear in a curve.

The switching on of the ABS warning lights +  warning light with the engine running and of the EBD fault message, indicates a fault in the system with the failure of both the ABS and EBD functions.

The ABS warning light on fixed signals a system failure; the ABS warning light on fixed together with the  warning light and the EBD failure message indicates an EBD system failure.

CAUTION

Downgrading from the ESP system to ASR + Hill Holder + ABS + EBD + MSR + LAC leads to the complete deactivation of vehicle stability control (ESP) with the driver subsequently losing all stability control assistance.

The system analyses the trajectory set by the driver, via the signal of the steering angle sensor, with the actual one followed by the vehicle via the yaw sensor, the accelerometers and the wheel speed sensors.

If the vehicle loses stability, the system acts by braking the single wheels and controlling the engine, reducing its speed. In short we have the following functions:

- ASR: Traction control.
- ESP: Stability control
- Hill Holder: uphill start assistance.
- HBA: increase in braking pressure in the case of emergency braking.
- LAC: adaptive braking control based on load distribution.
- TSM: adjustment of the ESP control functions if a trailer is connected to dampen any swaying.
- HRB: increase in braking force on the rear axle in the case of emergency braking.
- HFC: recognition and compensation of the loss of braking performance due to brake overheating.
- RMI & ROM: vehicle rolling control in the case of emergency steering.

Correct action by the ESP system is ensured by continual checks on the vehicle operating data. If there are errors that can make the ESP functions no longer available, operation of the ABS system and electronic braking distribution is in no way impaired. However, in this case, the relative  indicator light signals the fault and the vehicle must then be taken to the Service Network as soon as possible.

The ESP system provides the driver with an aid, in the event of losing vehicle stability, but it does not ensure full control in all conditions.

The effectiveness of the aid provided by the ESP system depends on the conditions in which it has to operate, for example, the conditions of the road surface, tyres, braking system, suspension, etc.

ASR (ACCELERATION SLIP CONTROL)

The system takes fast action on the engine and brakes, preventing the drive wheels from slipping; it permits safe and fast starting even on a slippery surface or when a drive wheel skids.

Lastly, it reduces the risk of oversteering when accelerating too hard in a curve.

On the front keypad, there is a button to disable the system. This engages in any case, above **60 km/h**.

Turning off ASR is also recommended when driving with snow chains fitted or when the wheels are sunk in the ground (sand, gravel, etc.).

The functioning of the two systems is indicated by the yellow indicator light  shown in the figure: flashing when in operation, steady if there is a fault with the ASR / ESP systems.

ASR/ESP Exclusion Button

Button in the center of the dashboard with the  symbol activated (LED off).

Complete functionality, maximum brake operation and reduction of engine torque.

Button in the center of the dashboard with the  symbol deactivated (LED on and indicator light (1) on the instrument panel on).

Reduced functionality, brake control is maintained but the delivered engine torque is not limited. Engine torque control automatically re-engages on reaching approximately 60 km/h.

CAUTION

Downgrading from the ESP system to ASR + Hill Holder + ABS + EBD + MSR + LAC leads to the complete deactivation of vehicle stability control (ESP) with the driver subsequently losing all stability control assistance.

VEHICLE WITH REAR DIFFERENTIAL LOCK

- In some road surface conditions, the simultaneous application of the brakes and the differential lock could make the vehicle less stable compared to when the brakes are applied without the differential lock, even when there is an ABS system.
- The rear differential lock should only be used in cases of real need on straight stretches of road and at speeds of less than 15 km/h. Using this device improperly can compromise the handling of the vehicle and cause mechanical damage to it.
- In some road surface conditions, applying the brakes and differential lock at the same time could decrease the vehicle's stability even with ABS or ESP system.
- In some road surface conditions, engaging the differential lock could compromise the operation of the ESP system and therefore vehicle handling.
- The differential lock device does not cut out automatically: follow the instructions to disengage it. To restore normal operation, stop the vehicle and release the button.
- If lock fails to disengage immediately when releasing the relevant button, vary the driving direction to eliminate any stress. Make sure that the differential lock has disengaged correctly before driving off again.

This function allows the cruising sped to be controlled when driving downhill at low speed thereby letting the driver drive down steep inclines slowly and safely.

Selecting the system

The function is selected by pressing the button  . Activation of the LED integrated into the button indicates that the system is engaged when the following conditions are met:

- "EPB" Electronic parking brake disengaged .
- Vehicle speed below **30 km/h**.
- Driver's side door closed.

Activation of the symbol shown in the figure on the instrument panel display indicates that the system is enabled.

CAUTION

The braking system can overheat if the system is used for extended periods of time. In this case the "HDC" system (if active) will be gradually deactivated after having provided the driver with suitable warnings (deactivation of the LED on the button); it will only be possible to reactivate it when the temperature of the brakes has dropped sufficiently. The distance that can be travelled will depend on the temperature of the brakes and therefore the incline, the load and vehicle speed.

CAUTION

Presence of the "HDC" system does not in any way relieve the driver of the obligation to drive carefully, in full observance of the limits set by the type of road and the regulations of the Highway Code, without putting the driver, passengers or any other person at risk.

System activation

Once enabled the "HDC" system will automatically activate if the vehicle is driven downhill on a suitable incline.

As the vehicle begins to travel downhill, the driver will act normally on the brake pedal.

The required speed is then set by releasing the brake pedal. This speed is maintained until the next action on the brake pedal or accelerator pedal.

When vehicle speed exceeds **30 km/h**, the function is deactivated and the LED on the button deactivates.

The driver can resume control of the vehicle at any time by acting on the brake pedal or the accelerator pedal.

Turning off the system

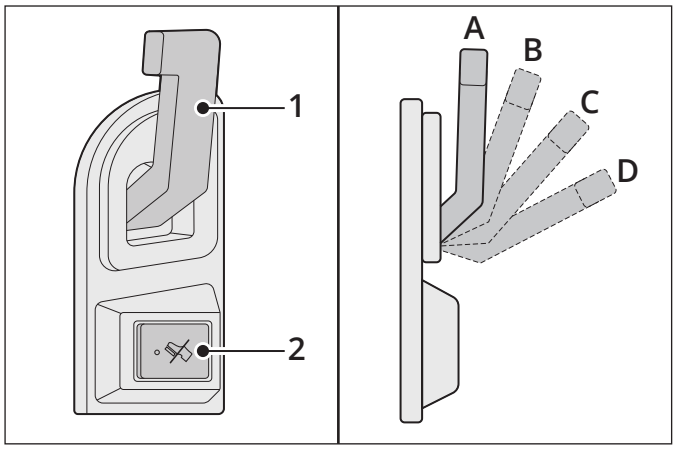
The "HDC" system is deactivated but remains available if one to the following conditions occurs:

- The vehicle is travelling downhill on an incline which is less than the intervention threshold of the system, the vehicle is travelling on a flat road or if it travelling uphill.
- When the driving mode selection lever is in position P (park).

Disabling the system

The system is deactivated and disabled if one of the following conditions occurs:

- The driver acts on the button on the dashboard.
- The electronic parking brake (EPB) is engaged.
- The driver's side door is opened.
- The threshold speed **30 km/h** is exceeded.



1. Retarder Lever
2. Retarder Decoupling Button

The use of the Retarder is particularly appropriate when the vehicle has to go down a long downhill stretch; best performance is obtained with the vehicle at medium/high speeds.

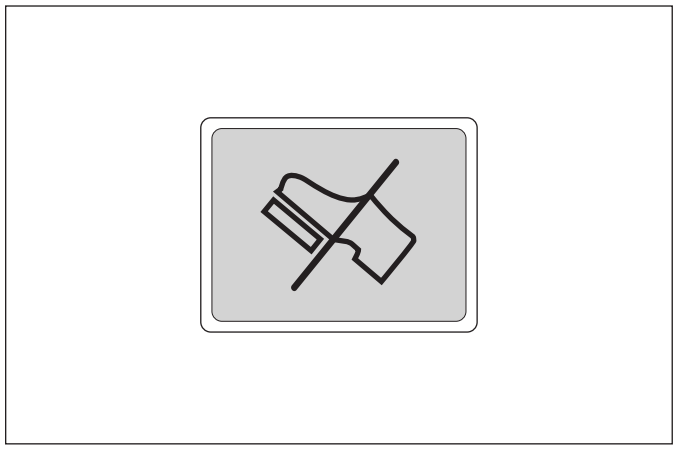
It is possible to activate the Retarder by actioning the small lever (1) in one of four positions (shown in the figure as: A,B,C,D): each position of the lever corresponds to an increase in braking power, up to a braking power of 100%.

Furthermore, the Retarder automatically activates when the service brake pedal is pressed.

On the dashboard, below the lever (1), there is the Retarder decoupling button (2) which is used to inhibit the automatic activation of the Retarder after the brake pedal has been pressed.

NOTE

Above 50 km/h complete system operation is reactivated automatically.



Operating Logic of the Retarder Decoupling Button

Button released (warning light on button deactivated):

- Complete Retarder functionality (with automatic activation of the Retarder below the brake pedal).

Button pressed (warning light on button activated):

- Automatic activation of the Retarder below the service brake pedal inhibited.

The braking action of the Retarder is temporarily suspended each time the “ABS” anti-lock braking system or the “ESP” electronic stability programme intervenes.

NOTE

The position of the button does not exclude the Retarder when it has been activated using the lever **(1)** on the dashboard.

If “Cruise Control” (where available) is engaged, the Retarder may automatically activate to ensure that the set vehicle speed is maintained.

CAUTION

The Retarder is not able to guarantee maximum braking torque in all operating conditions, above all in the event of prolonged activation (for example: to slow down the vehicle during long downhill stretches).

In the following cases, the braking performance is gradually reduced for safety purposes to the highest degree of braking still permissible:

- In the event of a breakdown or fault in an electrical component.
- In the event that the Retarder overheats.
- It is necessary to take into account the lower braking power by adapting driving style accordingly (choice of gear, service brake).

CAUTION

An electro-magnetic Retarder is installed on the vehicle: the temperature of the magnets and rotors could reach high values during activation and immediately afterwards.

Even when the vehicle is stationary, avoid any contact with the Retarder components for a few minutes after switching off the engine due to the high temperatures reached during operation.

Retarder warning light indication in normal operation

The warning light does not activate:

- The retarder is not engaged.

The warning light remains ON permanently:

- The Retarder is engaged and is supplying a braking torque defined on the basis of the position of the lever or the pressed brake pedal position or due to a request from the Cruise Control.

The warning light flashes continuously:

- The Retarder is preselected but not active because an inhibition condition is present (e.g: accelerator pedal pressed, over temperature, etc .).

The inhibition condition may be due to a system malfunction only in the case of the simultaneous signaling of a Retarder fault; in this case, go to the nearest IVECO Service

Network workshop. In all other cases, it is a condition of temporary unavailability; therefore, completely release the accelerator pedal and use the service brake while you wait for the Retarder to become available again (this is signaled by the warning light activating and staying on).

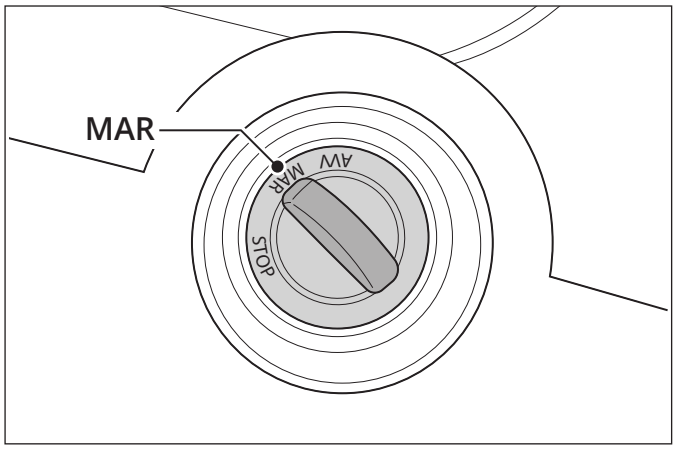
SERVICE BRAKE

- With the engine switched off, servo assistance it not supplied to the braking system, to brake it is therefore necessary to exert a greater force on the brake pedal.
- In the event of trouble with a braking circuit, the pedal stroke will lengthen and it is necessary to apply a greater force on the brake pedal.

CAUTION

The stop distances are greater, immediately check the system at a Service Network workshop.

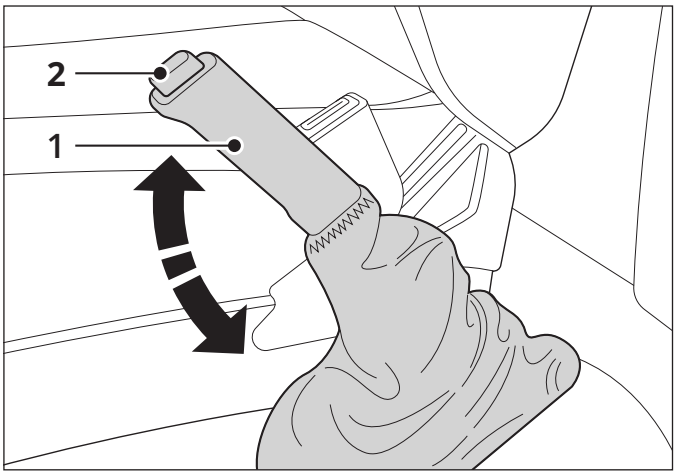
- Respect the vehicle's maximum capacity and the value of the maximum permissible loads on the single front and rear axles in order to avoid abnormal stress with negative effects on the brakes.



WARNING

Use the parking brake only when the vehicle is stationary.

- To engage the parking brake, pull the lever upwards to provide the device with the necessary capacity according to the gradient of the ground and the load. (With the ignition key in position "**MAR**" the related warning light in the dashboard lights up).
- When an increase is noticed in the number of clicks for being able to park the vehicle correctly, have the system checked immediately at a IVECO Service Network workshop.



- To disengage the parking brake, pull the lever **(1)** slightly upwards, press button **(2)** and lower the lever completely, into the rest position (warning light off). In order to avoid accidental movements of the vehicle, disengage the parking brake while pressing the service brake.
- Uphill or downhill, with a particular steep gradient, put a wedge (chock) respectively either behind or in front of the wheels of the most laden axle (normally behind or in front of the rear wheels with the vehicle loaded, the front wheels with the vehicle unladen).

PARKING

If it is necessary to leave the vehicle stationary, proceed as follows:

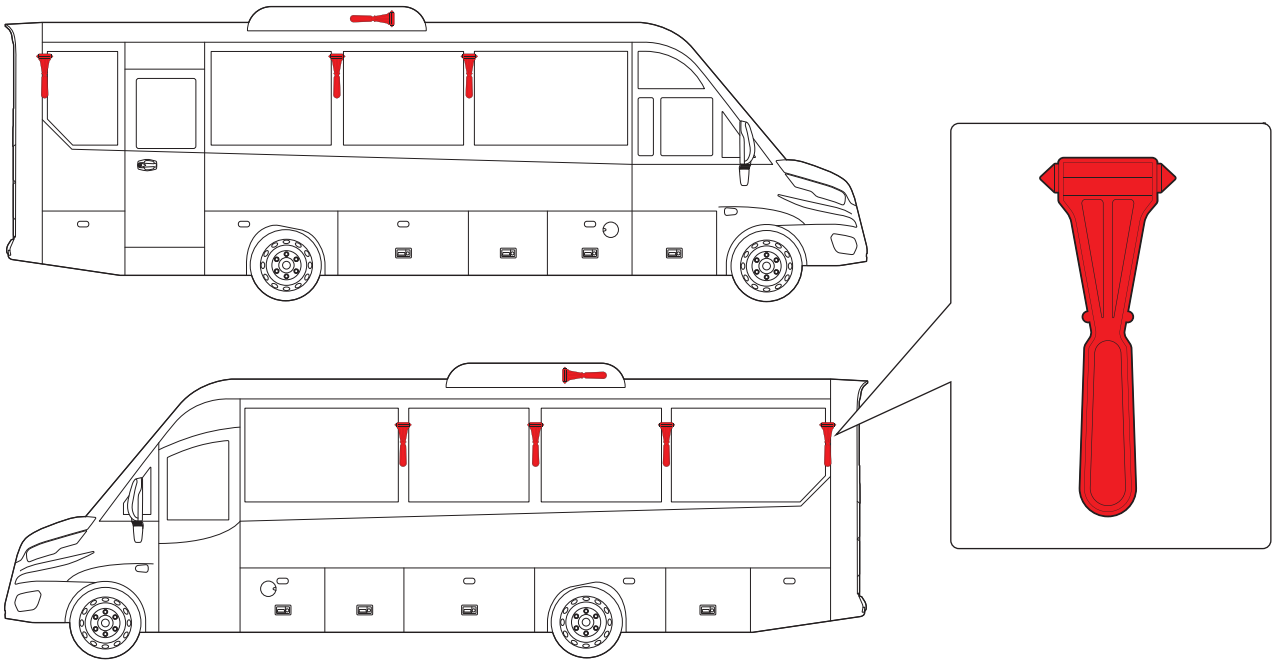
- Turn off the motor.
- Engage the parking brake.
- Engage 1st gear if the vehicle is on an upwards incline or reverse if the vehicle is facing downward (only for vehicles with manual gearbox).
- With the engine off, do not leave the ignition key in the MAR position to avoid wasting power and the battery.

04 EMERGENCY INFORMATION

EMERGENCY EXITS

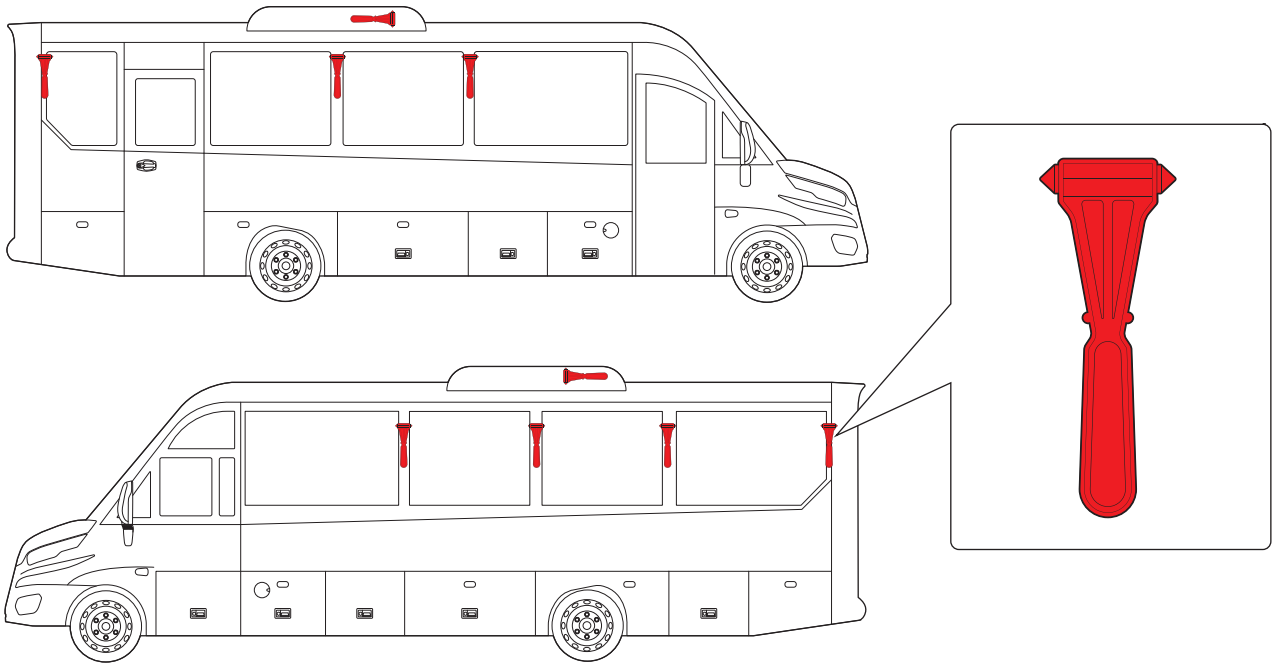
EMERGENCY HAMMERS

RHD

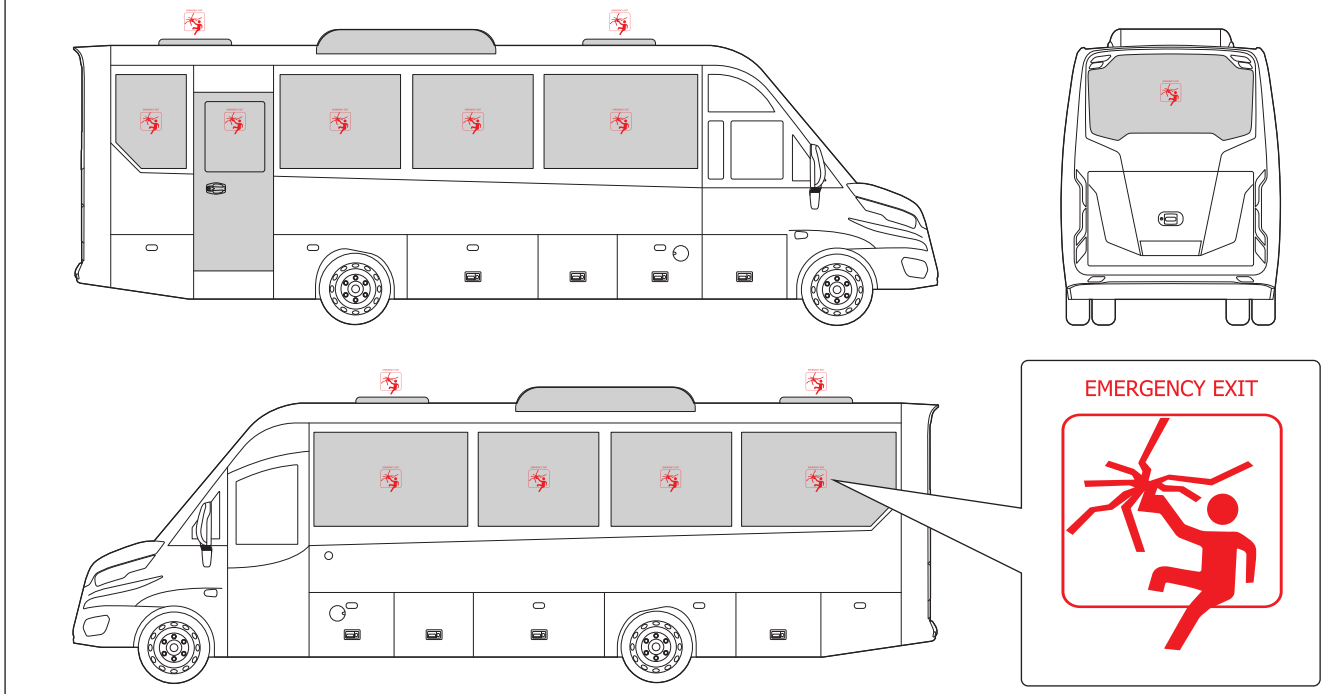


Emergency hammers are installed in your vehicle to allow passengers to quickly break the windows in case of an emergency, enabling a safe exit if the doors are unusable. Hammers are located just next to the emergency exit windows.

LHD

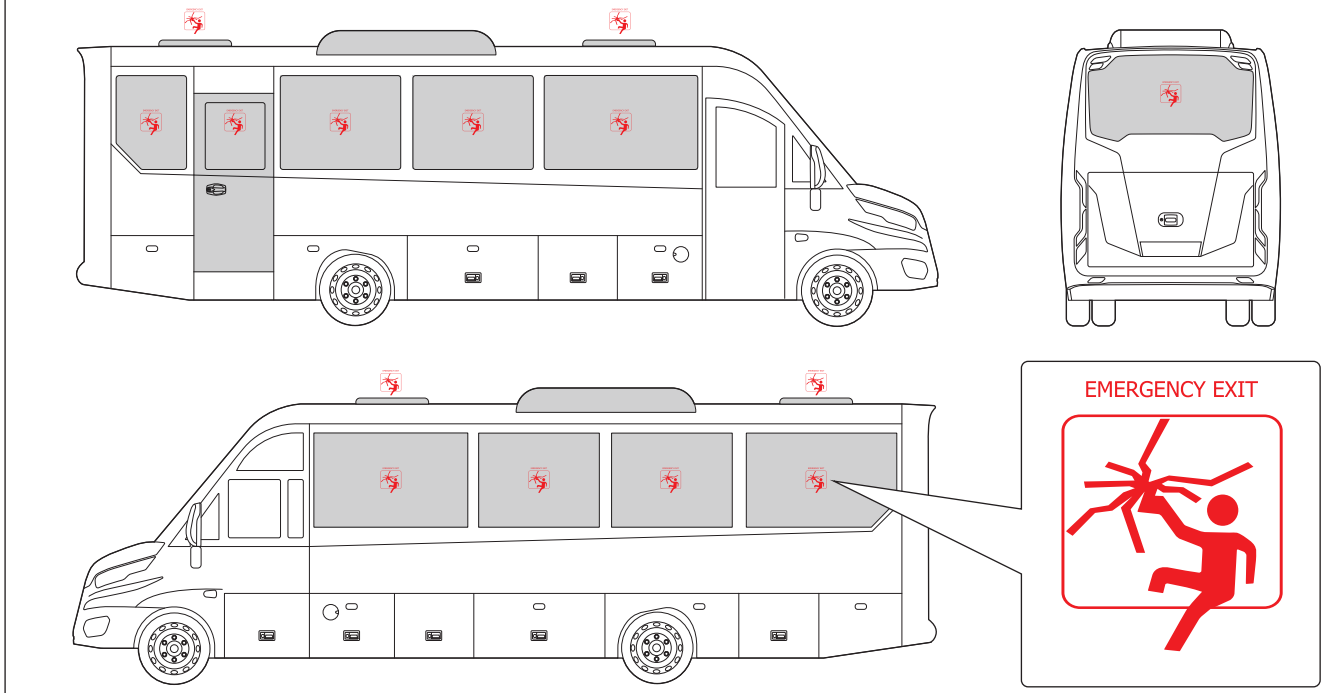


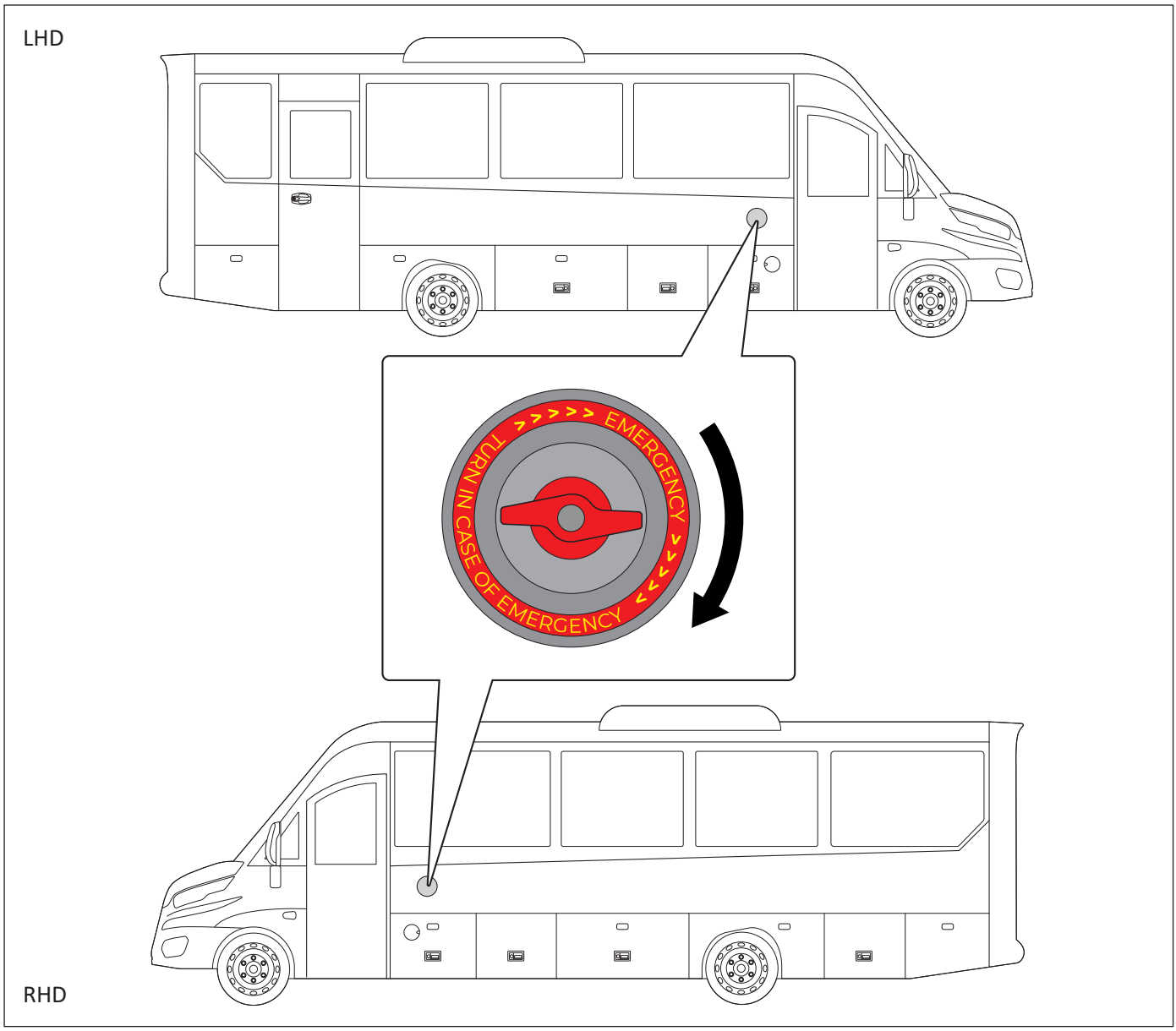
RHD



Emergency exit windows are designed to provide an additional escape route if doors are blocked or inaccessible during an emergency. All emergency exit windows are clearly marked with a label on them. Use emergency hammers to break the emergency exit windows in case of emergency.

LHD





The release valve (emergency valve) is designed to manually open the minibus door in the event of a power failure or other emergency that prevents the door from opening automatically.

The release valve is located near the door, exterior of the vehicle.

To manually open the door from the outside rotate the valve in the direction of the arrow.

WARNING

After using the release valve and opening the door, ensure that the door is properly re-secured or closed before continuing to use the vehicle.

WARNING

The release valve should only be used in emergency situations where the door cannot be opened automatically. Using it unnecessarily can lead to malfunctions or damage to the door mechanism.

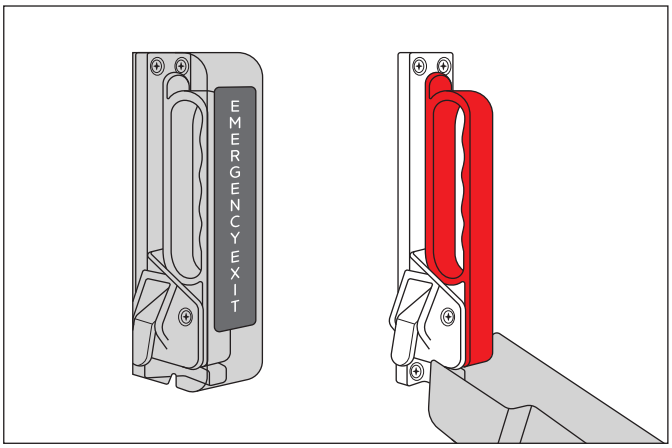
CAUTION

The emergency valve should be inspected regularly as part of the vehicle's maintenance routine to ensure it is in proper working order. Report any signs of wear, damage, or malfunction to maintenance staff immediately.

EMERGENCY EXITS

OPENING THE DOOR FROM INSIDE

EMERGENCY DEVICE FOR MANUAL OPENING



The emergency device for manual door opening allows passengers or the driver to open the bus doors manually in case of an electrical failure or an emergency situation where automatic door operation is not possible.

The manual door handle is located near the door itself and is clearly marked for emergency use. This red plastic handle is covered by a protective cover to prevent misuse.

In an emergency or power failure, the out swinging door is equipped with a manual system for opening from inside the vehicle: the red plastic handle used for opening is located near the door compartment.

If necessary:

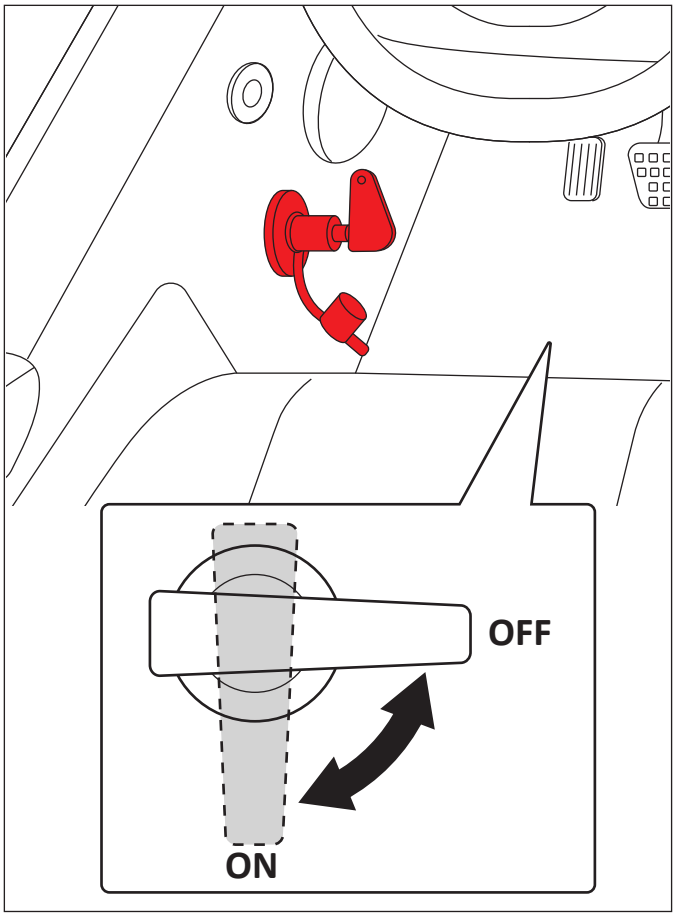
- Pull the handle downwards (a warning beep will sound).
- Open manually.
- To restore normal operation, simply move the handle back to its seat.

WARNING

The manual door handle should only be used in genuine emergency situations or when instructed during a malfunction. Improper use can cause unnecessary wear or damage to the door mechanism.

BATTERY CUT-OFF SWITCH

DISCONNECTING LV BATTERY



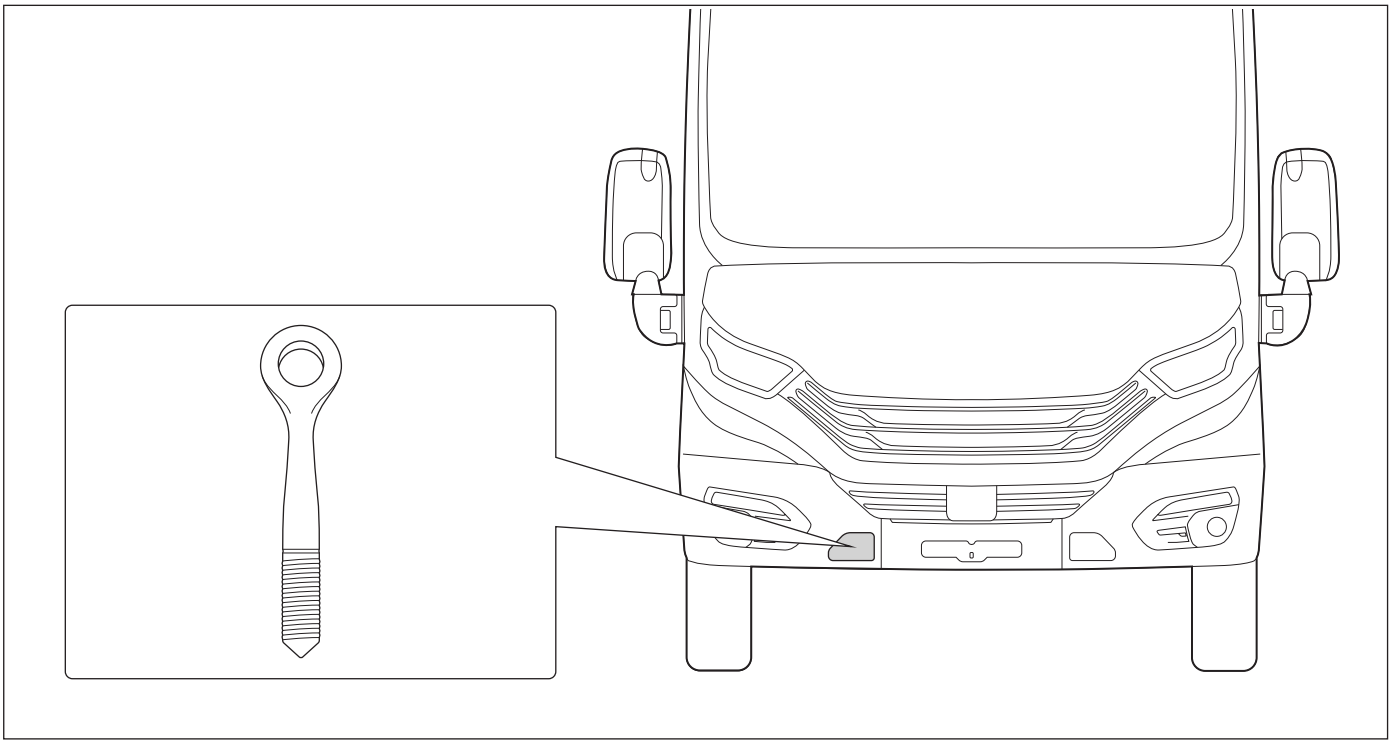
The battery cut-off switch is designed to completely disconnect the battery from the electrical system, preventing battery drain during long periods of inactivity and ensuring safety during maintenance or emergencies. It is located just next to the driver's seat.

In case of an emergency, such as an electrical fire or accident, the battery cut-off switch can be used to quickly disconnect the battery, reducing the risk of fire or further electrical damage.

Turn the switch to OFF position to disconnect the battery. Before turning off the battery, confirm that the vehicle is stationary, and the engine is turned off. When switching off the battery, wait for a few seconds to ensure that all electronic systems have powered down completely before engaging the cut-off switch.

INFORMATION

Be aware that cutting off the battery can reset certain electronic systems, such as the clock, radio presets, and any stored diagnostic trouble codes (DTCs). After reconnecting the battery, these systems may need to be reconfigured or reset.



Use the screw-in pull hook included in the onboard equipment and insert it in the point located under the vehicle bumper. It can be accessed by removing the cover shown in the figure.

If towing the vehicle for long stretches is necessary, disconnect the propeller shaft from the rear axle flange.

If the engine does not start (e.g. battery flat or very low temperatures) use an auxiliary battery with equivalent electrical characteristics (refer to the section on batteries).

NOTE

Remember that a tow trailer reduces the possibility of overcoming the maximum incline, increases stopping distances and increases the time required for overtaking in relation to the total weight. When traveling downhill, move into a low gear rather than constantly using the brake.

NOTE

If towing a vehicle, remember that more force needs to be applied to the brake pedal and the steering wheel as the brakeservo and electric power steering are not available.

Push starting is not recommended.

However, if push or pull starting is necessary proceed as follows:

- Engage a high gear (for example, 3rd, 4th).
- Moderate the speed (also downhill).
- Release the clutch pedal gradually.

CAUTION

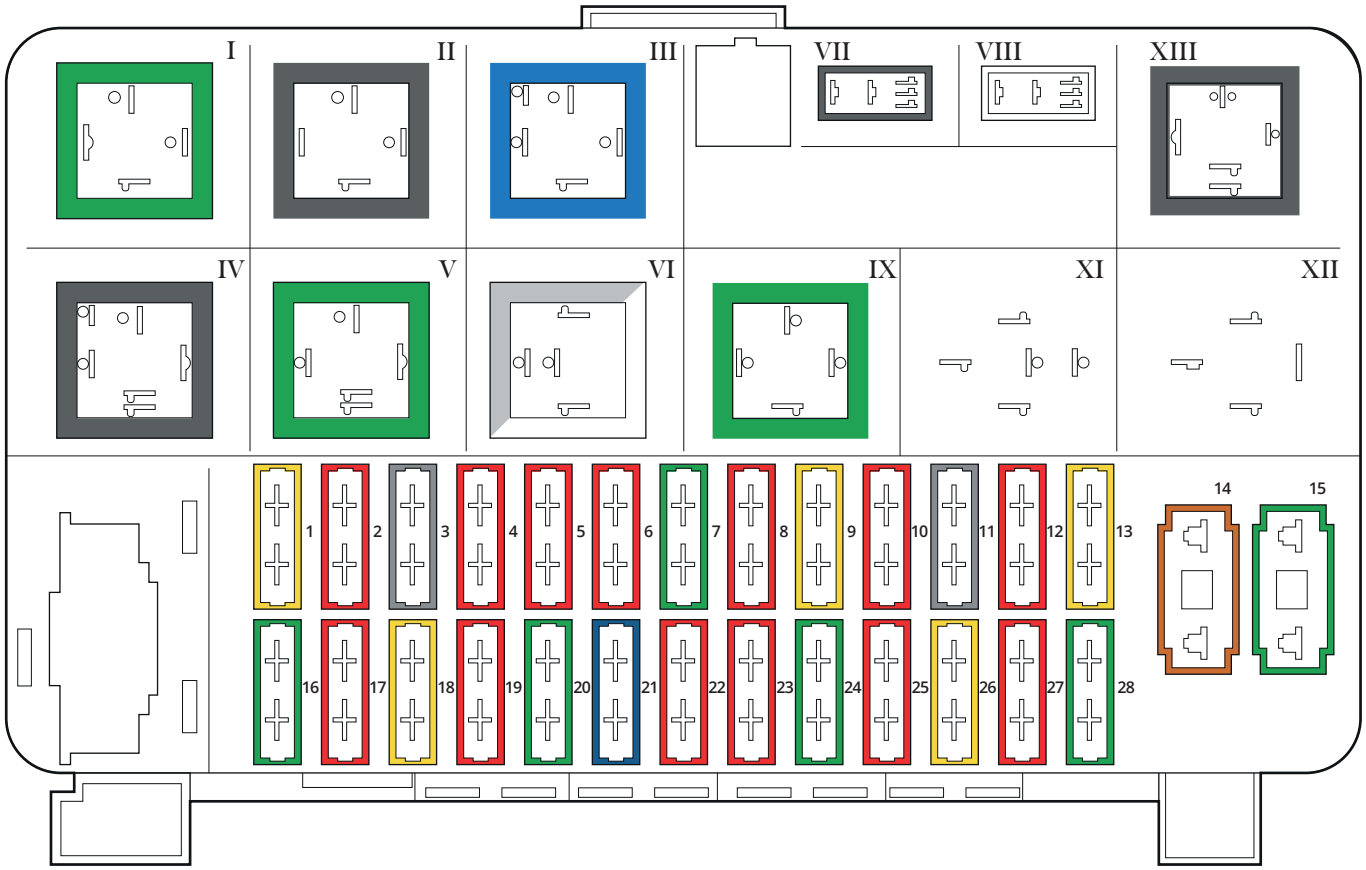
With the engine stopped there is no assisted power for brakes and steering.

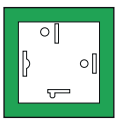
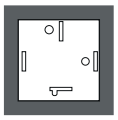
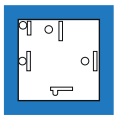
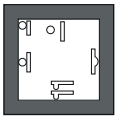
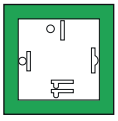
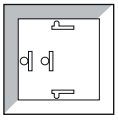
This requires a considerably greater effort when braking and steering.

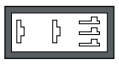
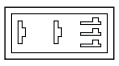
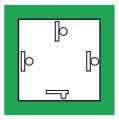
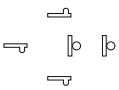
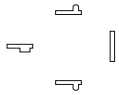
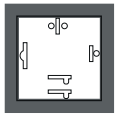
Failure to comply with these prescriptions can result in the risk of serious injury and serious damages to the vehicle.

05 MAINTENANCE INFORMATION

FUSES & RELAYS



SYM	POS. NO	RELAYS
	I	IGNITION
	II	2.BATTERY
	III	HEATER
	IV	STEP LIGHT
	V	MIRROR HEATER
	VI	N/A

SYM	POS. NO	RELAYS
	VII	CENTRAL LOCK OFF
	VIII	CENTRAL LOCK ON
	IX	PARK
	XI	STOP RELAY
	XII	IGNITION 2
	XIII	IGNITION 1

FUSES & RELAYS

SYM	POS. NO	FUSE NAME	CABLE NO	CURRENT
	1	AIR CONDITIONING	34	10A
	2	STEP LIGHT-DIGITAL CLOCK	16-21	10A
	3	READING LIGHTS	43	10A
	4	RACKS WHITE LED LIGHTS - 1. CIRCUIT	27	10A
	5	RACKS WHITE LED LIGHTS - 2. CIRCUIT	49	10A
	6	BLUE NIGHT LIGHTS	44	10A
	7	AISLE LIGHTS	18	15A
	8	LUGGAGE LIGHTS	21	10A
	9	FANS - DRIVER USB	30-33	10A
	10	READING LIGHTS IGNITION	47-45	10A
	11	TV	28	10A
	12	RGB	50	10A
	13	BLUE READING LIGHTS	23	10A
	14	N/A	-	-

SYM	POS. NO	FUSE NAME	CABLE NO	CURRENT
	15	N/A	-	-
	16	HEATERS	39-39	15A
	17	DRIVER WINDOW SWITCH	9	15A
	18	AMFI	37	20A
	19	USB	46	10A
	20	DOOR MODULE	41	20A
	21	FRIDGE	RED-BLACK	15A
	22	CENTRAL LOCKING	42-42	15A
	23	DRIVER LIGHTS	17	15A
	24	SIGNBOARD	47	15A
	25	WEBASTO	35	15A
	26	IGNITION	15	10A
	27	SWITCH LIGHTS - ROOF LAMPS	26-YELLOW	10A
	28	SIDE MARKER LIGHTS	22-23	10A

FUSES & RELAYS

NO	RELAYS
R1	2.BATTERY
R2	N/A
R3	PARKING LIGHTS
R4	STEP LIGHT
R5	HEATER RADIATOR
R6	STOP BUTTON

NO	RELAYS
R7	CENTRAL LOCK ON
R8	CENTRAL LOCK OFF
R9	WINDSHIELD HEATER
R10	MIRROR HEATER
R11	N/A
R12	N/A

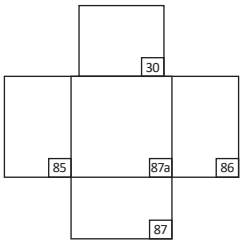
NO	RELAYS
R13	N/A
R14	N/A
R15	N/A
R16	N/A
R17	N/A
R18	N/A

SYM	POS. NO	FUSE NAME	CABLE NO	CURRENT
	**1**	AIR CONDITIONING	AC	10A
	**2**	STEP LIGHT	51	10A
	**3**	DIGITAL CLOCK/ DISABLED	21	10A
	**4**	READING LIGHTS	43	10A
	**5**	RACKS WHITE LIGHTS	27-I	10A
	**6**	RACKS BLUE LIGHTS	49-I	10A
	**7**	BLUE NIGHT LIGHTS	40	15A
	**8**	AISLE LIGHTS	18-I	10A
	**9**	MIRROR BUTTON	33	10A
	**10**	WINDSHIELD/ MIRROR HEATER	32	10A
	**11**	HEATER FANS	FAN	10A
	**12**	LUGGAGE LIGHTS	22-I	10A
	**13**	READING LIGHTS + 15/STOP BUTTON / EMERGENCY HAMMER LED LIGHT	45-45	10A
	**14**	TV	TV-I	10A
	**15**	RGB	50-I	15A
	**16**	BLUE READING LIGHTS	23-I	10A

SYM	POS. NO	FUSE NAME	CABLE NO	CURRENT
	**17**	HEATER RADIATOR	39-36	15A
	**18**	DRIVER WINDOW	9	20A
	**19**	AMPLIFIER	37	10A
	**20**	USB	USB-I	10A
	**21**	DOOR MODULE	RED 4mm	20A
	**22**	DOOR BUTTON / CENTRAL LOCKING	47	15A
	**23**	CCTV +15	29	15A
	**24**	CCTV +30	RED 2mm	15A
	**25**	FRIDGE	RED 4mm	15A
	**26**	SIGNBOARD +30	41-I	10A
	**27**	DRIVER'S SPOT LIGHTS	17-I	10A
	**28**	EMERGENCY DOOR SWITCH/REAR LUGGAGE SWITCH	300-I	10A
	**29**	RIGHT SIDE MARKER LIGHTS	58R	10A
	**30**	LEFT SIDE MARKER LIGHTS	58L	10A
	**31**	FRONT TOP MARKER LIGHT	26	10A
	**32**	BUTTON LIGHT	58	10A

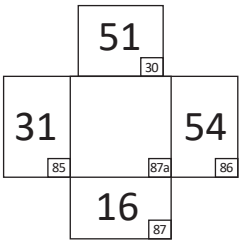
FUSES & RELAYS

R2



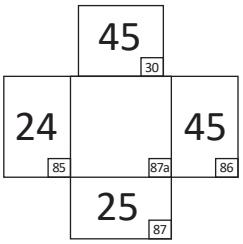
N/A

R4



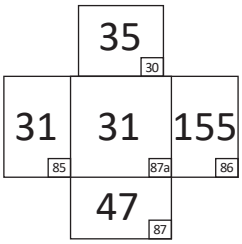
STEP LIGHT

R6



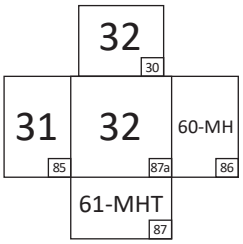
STOP BUTTON

R8



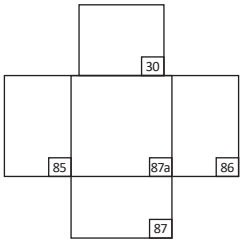
CENTRAL LOCKING OFF

R10



MIRROR HEATER

R12



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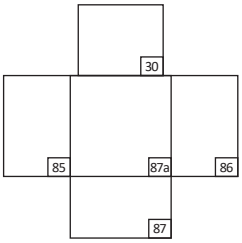
R14



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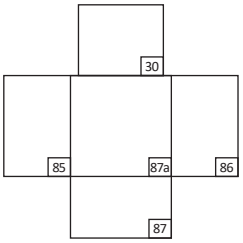
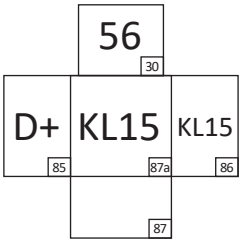
R16



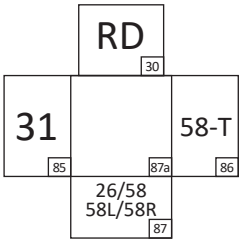
N/A

R1



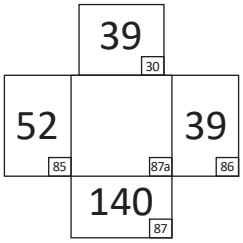
2.BATTERY

R3



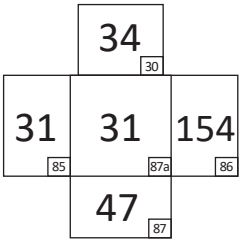
PARKING LIGHTS

R5



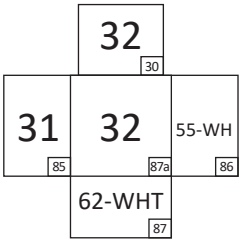
HEATER RADIATOR

R7



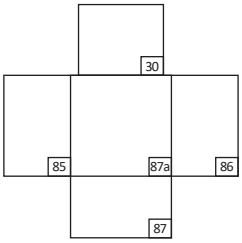
CENTRAL LOCKING ON

R9



WINDSHIELD HEATER

R11



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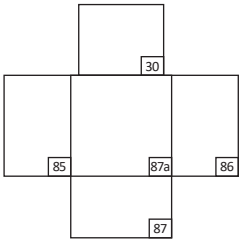
R13



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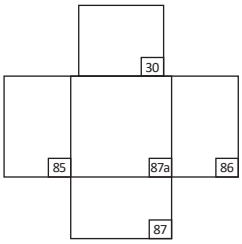

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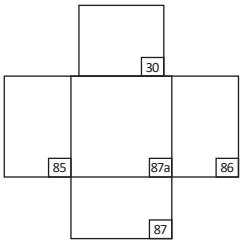

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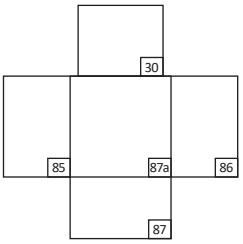
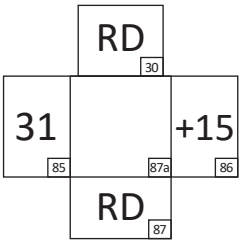
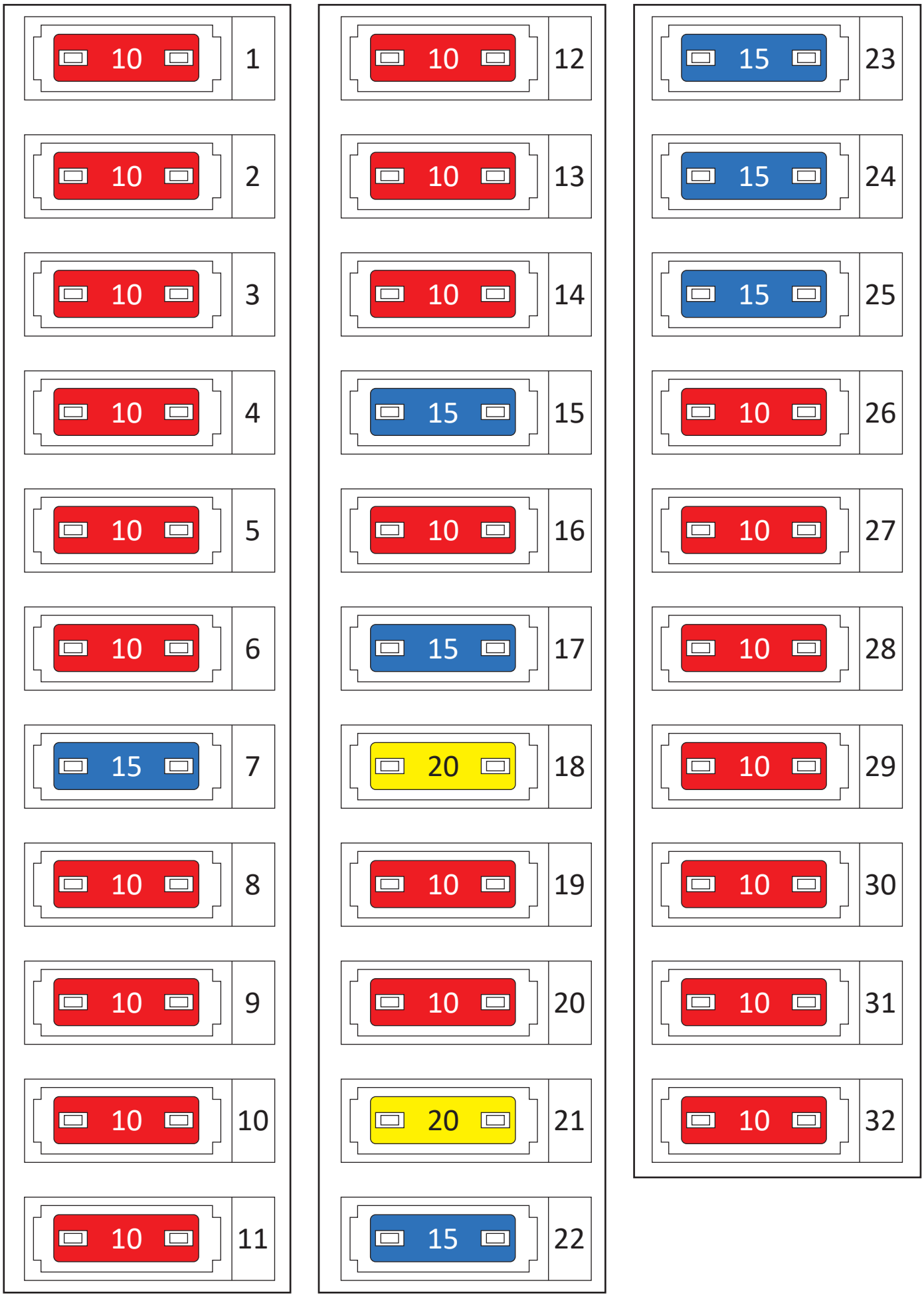


N/A

R19



SYSTEM IGNITION


10 1
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TRUNK LID ADJUSTMENTS AND MECHANICAL INSPECTIONS

Periodic Inspection: Trunk lids can lose their adjustments due to heavy use, road conditions, and wear over time. Therefore, it is crucial to regularly check the trunk lids.

Inspection Interval: The adjustments of the trunk lids should be checked every 6 to 12 months or when your vehicle reaches 50,000 km.

Parts to Inspect:

- **Hinges and Connections:** The hinges need to be checked for wear, looseness, and corrosion to ensure that the lids open and close properly.
- **Lock Mechanisms:** The functionality of the lock mechanisms should be reviewed to ensure there are no issues with jamming or failure to close.
- **Hydraulic Supports:** It should be confirmed that the hydraulic supports are functioning correctly and that the lids open and close as needed.

INFORMATION

To prevent any defects and ensure the trunk lids continue to function properly, adjustments must be checked every 6 to 12 months or when your vehicle reaches 50,000 km. These inspections must be carried out at authorized service centers appointed by our distributor in your country to ensure warranty conditions are met. A list of authorized services is provided in Annex 01 of the guide supplied by the sales company. Any interventions made outside of these services will not be covered by the warranty.

INFORMATION

Repairs must be carried out at authorized service centers to maintain warranty conditions. Authorized service centers are determined by the distributor through which the vehicle is sold. These service centers are listed in Annex 01 of the guide prepared by the distributor. Interventions made outside of these service centers will not be covered under warranty.

SEASONAL MAINTENANCE

WINTER PREPERATION

Prepare your vehicle for winter conditions as recommended by authorized service centers. During the winter months, dirt, snow, and other external materials that accumulate on the surface can have an abrasive effect on the bodywork. This effect becomes more pronounced, especially in winter.

PAINT MAINTENANCE

Scratches and paint damage on the surface should be repaired without delay. The risk of rust increases on exposed and uncoated areas, which can cause long-term damage to your vehicle.

SURFACE PROTECTION

The surface of your vehicle should be waxed regularly with the recommended shiny polish material. After every third to fifth wash, apply hot wax to your vehicle. This application prevents dirt from adhering to the surface and makes it easier to clean your vehicle.

PROTECTION AGAINST SALT

Although road salt in winter improves tire traction, it can accumulate in the wheel wells, trunk areas, and undercarriage. If not properly cleaned, the accumulated salt can cause rust on parts like the chassis, exhaust system, brake lines, and oil lines. Therefore, clean areas where salt accumulates by washing them at least once a month. (The underside of the vehicle must be treated with Meges every six months)

REPAIRS

- Damages from accidents, such as scratches and dents, increase the risk of rust if not repaired. Have these types of damage repaired as soon as possible at authorized service centers to ensure the longevity of your vehicle.
- To avoid scratching the body surface, drive at a low speed on gravel roads.
- Clean rust spots that form on the wheel hubs and apply wax-based protectants recommended by authorized service centers.

PROTECTION AGAINST CORROSION

CAUSES OF CORROSION

Weather Conditions

To prevent corrosion on painted and protective surfaces, moisture, snow, and mud that accumulate on the vehicle's surface due to weather conditions should be regularly cleaned.

External Factors

Air pollution, dust carried by the wind, gravel, and other debris can damage the protective surfaces of the vehicle. Dirt, snow, and other external factors that remain on the surface for long periods can cause damage to the bodywork.

Usage Conditions

If the vehicle is washed in excessively hot or cold weather, the body surface may crack. These cracks can lead to corrosion.

PREVENTION OF CORROSION

Cleaning the Vehicle

Regular cleaning and maintenance of the vehicle as recommended by authorized service centers reduces the risk of corrosion and extends the service life of the vehicle. For hand washing, use water at a maximum temperature of 50 °C and suitable cleaning materials.

WARNING

- Do not use detergents, soaps, and other strong chemicals that remove the polish and other protective coatings from the paint surface to wash your vehicle.
- After the washing process is complete, rinse the entire vehicle thoroughly before drying. Do not allow residues to remain on the surface.
- Use only lightly abrasive cleaning materials approved by authorized service centers.
- New paint does not fully harden in the first few months. Therefore, wash the vehicle by hand instead of using automatic washing systems for the first two months, and always start washing from the top down.

VEHICLE CLEANING

EXTERIOR CLEANING

- Never use stiff brushes or abrasive materials to clean resin, bird droppings, and other acidic substances from the vehicle.
- Ensure the engine is turned off and allow the transmission system to cool before cleaning the vehicle. Never wash the vehicle while the engine is running.
- The cleaning of the engine compartment and the insulation materials within it should only be performed by authorized service centers.
- The cleaning of headlights should only be done by authorized service centers.
- Upholstery, coverings, and mats can be cleaned by brushing, vacuuming, or using soapy warm water, depending on the level of dirt.

INTERIOR CLEANING

- Never use solvents that react with plastic materials to clean plastic surfaces.
- Do not use abrasive substances or solvents like thinner to clean non-metal surfaces.
- The cleaning of electronic components should only be performed by authorized service centers.
- Never use abrasive substances like thinner or chemicals like detergents to clean the electronic instrument panel and buttons.

DETERMINING CORROSION

Corrosion can occur on the vehicle's exterior surface, fasteners, and mechanical parts. Symptoms of corrosion include:

- Wear and discoloration on the metal's exterior surface indicate rust.
- The color of corrosion on metal parts is usually brown, while aluminum and zinc parts may appear white.

INFORMATION

Authorized service centers are determined by the distributor through which the vehicle is sold. These service centers are listed in Annex 01 of the guide prepared by the distributor. Interventions made outside of these service centers will not be covered under warranty.

Function and Appearance Control of Door Panels

The door panels should be examined to ensure they fit properly in the frame, lock securely, and maintain parallelism and squareness. Any deformation or malfunction should be checked.

Tightness Control of Door Panels and Fasteners

The tightness of the bolts and nuts on the door panels, door movement arms, and upper group should be checked at the appropriate torque value. In the case of looseness, they should be tightened to the proper torque value.

Control and Lubrication of Door Movement Arms

The lower and upper circular hinges where the door movement arms are mounted should be inspected. If necessary, they should be lubricated with suitable oil.

Control of Door Frame Seal

The integrity of the door frame seal should be checked, and any deformation should be assessed. Deformed seals should be replaced.

Control of Door Lock System

The functionality of the door locks on the door panels should be inspected. It should be verified whether the locks operate correctly and send the appropriate signals to the vehicle system.

Control of Flap System on Door Panels

The operation of the flap system on the door panels should be examined. The flap seal should be visually inspected and replaced if necessary.

Control of Upper Group Motors

The motors located in the upper group should be inspected. Any faults or malfunctions should be assessed.

Control of Upper Group Cable Connectors

All cable connectors on the upper group should be checked for looseness or oxidation. If necessary, the connectors should be cleaned and tightened.

Control of Position Switches Determining Door Position

The tightness of the screws on the switches determining the open and closed positions of the doors in the upper group should be checked. The correct operation of the switches should be inspected, and adjustments should be made if necessary.

These inspections should be carried out periodically at intervals of 50,000 km, or more frequently depending on usage and climate conditions, to ensure the smooth and safe operation of the door systems.

MAINTENANCE

AIR CONDITION UNIT MAINTENANCE PLAN

To ensure the unit operates smoothly and to prevent damage to parts/components, the tasks outlined in the maintenance and service plan for the air conditioning system will be performed at the specified intervals.

Service tasks are required for specific situations such as commissioning or repairs. The maintenance intervals indicated in the plan refer to the vehicle's operating time, excluding the "E range," which indicates the air conditioning's operational duration.

The condition that occurs first will be taken into account regarding maintenance intervals.

INFORMATION

Completion and documentation of all maintenance and service tasks specified in the maintenance plan are prerequisites for accepting any potential warranty claims related to damage to parts/components covered by maintenance.

CONTROL / MAINTENANCE ITEM	TIME INTERVAL
1 Cooling Circuit and Components	C
1.1 Check that all unit connections and cooling pipe connections are tight and secure.	B
1.2 Visual inspection of all components for corrosion, wear, and mechanical damage.	B
1.3 Check that the screw connections are tight.	
1.4 System evacuation and recharging.	A,B
1.5 Leak test with a leak detector.	C,F
1.6 Check the cleanliness of the condenser and evaporator fins; clean if necessary.	C,F
1.7 Check the cleanliness of the fresh air and, if necessary, circulation air filter; replace if necessary.	B
1.9 Check for cracks, corrosion, and other damage in the collector/filter drier.	
1.10 Replace the collector/filter drier.	C
1.11 Replace the collector/filter drier.	C
1.12 Check the functions of the high and low-pressure switches.	C
2 Electrical/Electronic Components	
2.1 Function check of the condenser fans.	A,B
2.2 Function check of the evaporator fans.	A,B
2.3 Check the tightness of socket connections.	C
2.4 Visual inspection of all electrical cables for wear.	C
2.5 Function check of the air conditioning unit.	A,C

Time Interval Descriptions:

A: At commissioning for the customer

B: Every 6 months

C: Annually

D: Every 3 years

E: Every 10,000 hours

F: Depending on operating conditions

INFORMATION

The general warranty terms and explanations are detailed in the 11122332A Climate Control catalog provided with the vehicle, and the conditions stated there are applicable. This page contains only a brief explanation for informational purposes.

SEATS, ARMRESTS & TABLES

Load Capacity

- The maximum load capacity of the tables is 10 kg. Please do not load more.
- Protect the table surface from scratches.

Cleaning and Maintenance

- Clean the seat upholstery only with a damp towel. Do not use detergent or other chemical products.
- Check if the armrests and seats are jammed under the mechanism, and if there is a problem, contact an authorized service.
- Check the lower connection screws in case of play in the armrests and tighten them if necessary.

Safety Warnings

- Check the safety belt mechanisms at least once a week.
- Do not change the seat, armrest or table settings while moving.
- Do not allow children to play with the table or seat mechanisms.

INFORMATION

The list of authorized services is specified in the Annex 01 Guide provided by our distributor through which sales are made. Interventions made outside of these services will not be considered under warranty.

Maintenance and Use of In-Vehicle Components

• Television and Monitors:

- Use a microfiber cloth to clean the screens. A slightly damp cloth may be preferred during cleaning, but be careful not to allow water or liquid to seep into the device.
- Do not use chemical glass cleaners or abrasive substances. This may damage the screen surface.

• Microphones:

- To clean the microphone, gently wipe its outer surface with a damp, slightly soapy cloth. After cleaning, dry it with a dry cloth.
- Avoid using the microphone in extremely humid or dusty environments.

• LED Lights:

- Wipe the surface of the LED lamps with a soft, dry cloth to remove dust and dirt.
- Avoid water or chemical liquids when cleaning the LED components.

• General Component Maintenance:

- When any maintenance or repair of electronic equipment is required, disconnect the device from the power source.
- Be careful not to leave electronic components turned on for a long time in the vehicle; this may cause unnecessary battery discharge.
- Check that all electronic components are working properly; if any problem is noticed, have the repair done only by authorized services.

INFORMATION

Please remember that if you disassemble any component or if it is subjected to impact, the warranty period on the parts will expire. In normal use, the components are under ILESBUS guarantee for 2 years.

MAINTENANCE

DPF (DIESEL PARTICULATE FILTER) MAINTANENCE

DPF (Diesel Partlculate Filler) Is a partìculate filtering device that does not require any maintenance by the user. This is done automatically by the vehicle through combustion of the particulate accumulated inside the DPF (spontaneous regeneration).

However, there are some uses of the vehicle (e.g. urban with frequent stops) where the conditions for spontaneous regeneration are not possible and therefore the vehicle tries to force filler cleaning by lncreasing the exhaust gas temperature in a controlled manner (controlled regeneration).

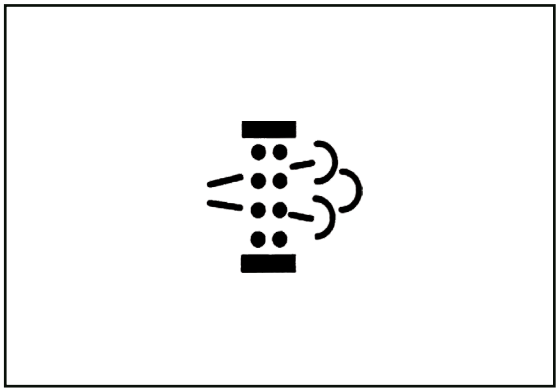
It is very important not to interrupt controlled regeneration, indicated when the DPF warning light turns on (for example by turning off the engine or parking the vehicle) but it may be necessary to keep the engine at a high and constant rpm (independently of the gear engaged) by continuing to drive normally.

Warning light operating logic

• lntermittent “on demand” regeneration, the message

• Clean DPF, start engine and keep the vehicle stationary” appears on the instrument panel display.

• Fixed: regeneration has not completed successfully, the message “Regeneration not completed, see manual appears on the instrument panel. The warning light will remain on until regeneration is successful. The warning light remaining fixed on may indicate that an automatic regeneration is in progress.



INFORMATION

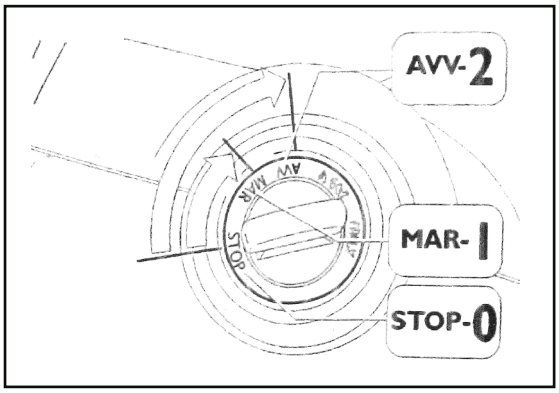
During normal use, the vehicle regenerates the filter automatically without informing the user.

INFORMATION

After 10 minutes of the DPF warning light re-maining fixed on, the vehicle's performance decreases (F1C engines only) and the "on demand" regeneration de-scribed below must be carried out.

Regeneration “on demand”

The regeneratian function of the particulate filler is espe-cially critical in urban “door-to-door” missions, in which the stops are frequent and short, therefore spontaneous regeneration is likely to be frequently interrupted by the switching off of the engine; to avoid this, a strategy has been optimized so that the system can autamatically re-sume regeneratian which has been interrupted.



If this salution is not sufficient, meaning that the DPF

Warning light would stay on for a long time, a “Regeneration on demand” function has been made available allowing the driver ta activate the regeneratian at his discretion, without the need to contact the Service Network.

When the DPF warning light is activated and the engine is sufficiently warm, the driver can activate regeneration “on-demand” with the following procedure:

- • Stop the vehicle in an open ftat space so as not to obstruct traffic, away from pedestrians and animals and away from flammable material (paper, dry leaves, dry grass, etc ..)
- Shift to neutral and engage the parking brake.
- Tum the engine off and put the ignition switch to STOP -O . Then turn on the lnstrument Panel and put the ignition switch to MAR-1
- Fully depress the brake pedal and the accelerator pedal at the same time and wait for the warning light DPF  to start flashing and the message “cleaning DPF start the engine and keep the vehicle stationary is displayed on the instrument panel display.
- Completely release the pedals (brake, accelerator and, lf present, clutch).
- Start the engine bringing the ignition switch from MAR-1 to AW-2 , without depressing the accelerator pedal. lf engine start-up should fail, repeat the procedure from the beginning as desaibed
- At this point. the “Regeneration on demand” procedure will start automatically and the warning light DPF will begin to flash intermittently. 
- Remember that there are some vehicle safety conditions which cause lhe “Regeneration on demand” procedure to stop automatically:
- The vehicle beings to move;
- The driver has depressed any one of the pedals (brake/accelerator/clutch if present) or has engaged a gear other than neutral or has released the parking brake;
- The driver has turned the engine off by putting the ignition switch to STOP-0;
- The engine temperature does not fall within the allowed limits
- The battery voltage is too low
- The atmospheric pressure is too low (for example, because of altitude).
- Furthermore, the “Regeneration on demand” may automatically stop if there are system malfunctions or malfunctions of board vehicle sensors which are required for the regeneration.
- Regeneration is completed when the warning light DPF stops flashing:
- If it goes off, this means that the procedure has been completed successfully.
- If the warning light remains on, this means that the procedure has not completed successfully and has to be repeated, removing the causes which led it to stop.

INTENTIONALLY LEFT BLANK

ILESBUS

WHEN QUALITY COUNTS

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