



Quick Start Guide

7.5T

Model: TEV75B



Table of contents

1.01 Driving Compartment

2.01 Driver's Controls and Instruments

3.01 Starting and Driving

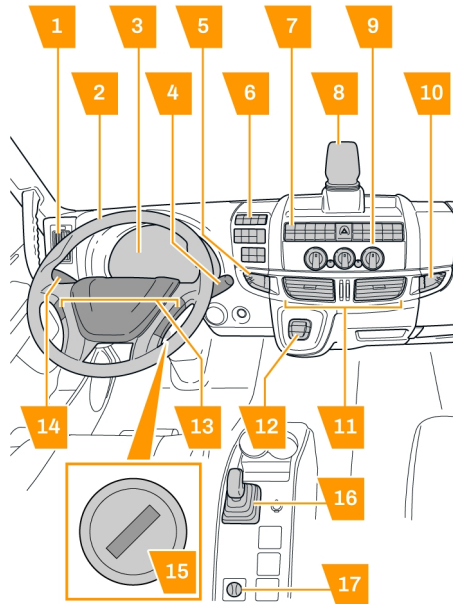
4.01 Driving Aids

Driving Compartment

1.1 Overview	4
1.1.1 Controls Overview	4
1.1.2 Instrument Panel Overview	5
1.2 Entering and Exiting the vehicle	6
1.2.1 Remote Key	6
1.2.2 Locking and Unlocking	6
1.2.3 Access to the Cab	7

Driving Compartment Overview

Controls Overview

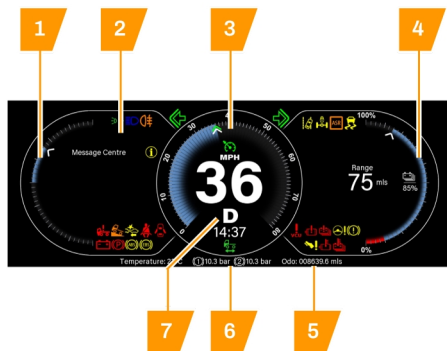


1. Side air vent.
2. Steering wheel.
3. Instrument panel.
4. Cruise control.
5. Storage compartment.
6. Side dashboard controls.
7. Central dashboard controls.

8. Lane Departure Warning System (LDWS) camera.
9. Heating and ventilation controls.
10. Storage compartment.
11. Central air vents.
12. Gear selector.
13. Steering wheel controls.
14. External lighting, direction indicators, horn, wipers and washers.
15. Ignition switch.
16. Parking Brake.
17. Differential lock.

Driving Compartment Overview

Instrument Panel Overview



The instrument panel consists of the following components:

1. Power demand or regeneration of the HV battery. Red area shows high discharge, green area shows battery regeneration under braking.
2. Message centre.
3. Speedometer.
4. Battery state of charge percentage and battery range estimate in miles/km.
5. Odometer information.
6. Air tank pressure information.
7. Current selected gear.

For more detail on the warning and notification lights, refer to the relevant section. See "Warning and Notification Lights", page 10.

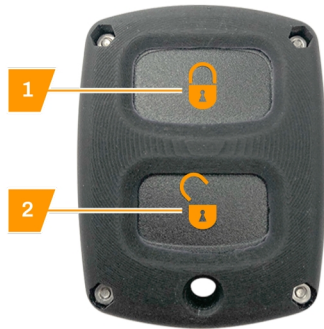
Driving Compartment

Entering and Exiting the vehicle

Remote Key

To unlock the doors with the remote key, briefly press the unlock button (2) while facing the vehicle.

The indicators will flash to signal the doors have been unlocked.



To lock the doors with the remote key, briefly press the lock button (1) while facing the vehicle.

The indicators will flash to signal the doors have been locked.

Locking and Unlocking

i NOTE: To help maintain low voltage battery health; if the vehicle is not in use, make sure both cab doors are properly closed. Failure to do so will prevent the battery isolator from engaging and may result in accelerated lead acid battery depletion.

The vehicle cab is equipped with two access doors, these have symmetrical exterior and interior mechanisms for locking and unlocking.

Driving Compartment

Entering and Exiting the vehicle



The external handle has a lock and key for locking and unlocking it from outside the vehicle:


- To unlock the door, turn the key in an anticlockwise direction.
- To lock the door, turn the key in a clockwise direction.



The doors can be locked and unlocked from inside the vehicle as follows:

- To lock the door, push the button in a downward direction.
- To unlock the door, pull the the button in a upward direction.

Access to the Cab

 **WARNING: Keep the access step and grab handles clean, free from obstruction and in an appropriate condition, to prevent slips.**

 **WARNING: Always face towards the cab when you enter or exit the vehicle.**

 **WARNING: Never jump out of the cab.**

Driving Compartment

Entering and Exiting the vehicle

Unlock the vehicle doors. See "Locking and Unlocking", page 6 or "Remote Key", page 6.



Use the external handle to open the door.



Enter the vehicle using the handholds and the step.

Driver's Controls and Instruments

2.1 Instrument Panel	10
2.1.1 Warning and Notification Lights.....	10
2.2 Seats.....	12
2.2.1 Seat Height Adjustment.....	12
2.2.2 Seatback Adjustment	12
2.2.3 Seat Forward and Rearward Adjustment.....	13
2.2.4 Seat Base Adjustment	13
2.2.5 Passenger Seatback Release	14
2.3 Steering Wheel.....	15
2.3.1 Adjusting the Steering Wheel.....	15
2.4 Lighting.....	16
2.4.1 Lighting Control.....	16
2.4.2 High and Low Beam Headlights.....	16
2.4.3 Direction Indicators	17
2.4.4 Rear Fog Lights.....	17
2.4.5 Hazard Warning Lights	17
2.5 Wipers and Washers	18
2.5.1 Wiper Controls.....	18
2.6 Horn.....	19
2.6.1 Operating the Horn	19








Driver's Controls and Instruments













Instrument Panel

Warning and Notification Lights

Warning and Notification lights are divided into different colour categories:













- Red warning or notification lights are primary warnings and must be investigated immediately by the driver or by a qualified person, before continuing.
- Amber and yellow warning or notification lights are secondary warnings. Some indicate that a system is operating; some indicate that an action must be taken.
- Green warning or notification lights indicate a system's status.
- Blue warning or notification lights indicate a system's status.





	Illuminates when the cab is not locked into position.
	Illuminates when a seat is occupied without the seatbelt fastened.
	Illuminates when a cabin door is open.
	Illuminates to indicate a fault with the low voltage battery charging system. The light illuminates when the power system is switched on as part of a self test and extinguishes when the system is switched to ready. If the battery power is low the light illuminates and a message appears in the message centre.
	Illuminates to indicate a fault with the VCU (Vehicle Control Unit) or fault within the system.
	Illuminates to indicate a fault with the motors or inverter units within the electric drive system.
	Illuminates to indicate a fault with the power supply system or a high voltage battery failure.

	Illuminates to warn of abnormally high electric drive motor temperature.
	Illuminates to warn of abnormally high battery temperature.
	Illuminates to show the vehicle is not ready to drive. If the light illuminates whilst driving, the driver must stop immediately.
	Illuminates at the top of the instrument panel to show a fault with the vehicle systems. The driver must stop immediately.
	Illuminates to notify that the parking brake is applied.
	Illuminates and flashes if the ASR (Anti Skid Regulator) detects wheel slip. A fault has occurred if the light illuminates continually.
	Illuminates when the hill hold system is engaged. The light flashes, for two seconds, to notify when hill hold is being disengaged.
	Illuminates to notify that the rear fog lights are on.
	Illuminates and flashes if the Lane Departure Warning System (LDWS) detects the vehicle unintentionally leaving lane position. A fault has occurred if the light illuminates continually.
	Illuminates if the differential lock is engaged.
	Illuminates when Electronic Vehicle Stability Control (EVSC) or ASR (Anti Skid Regulator) is in operation.
	Illuminates when the Automatic Emergency Braking System (AEBS) activates a front collision warning. A fault has occurred if the light illuminates continually.

Driver's Controls and Instruments

Instrument Panel

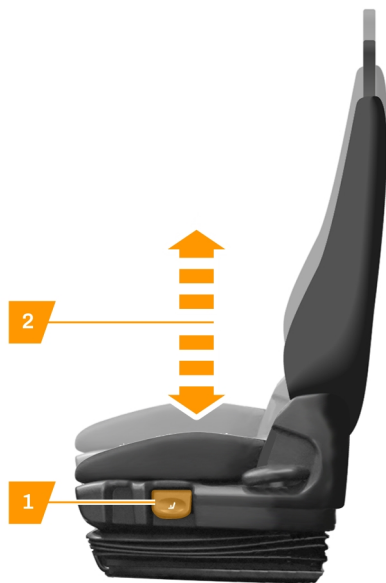
	Illuminates to indicate a fault with the ABS (Anti lock Braking System). If a fault occurs during driving the ABS is disabled but normal braking is still available.
	Illuminates to indicate a fault with the EBS (Electronic Braking System). If a fault occurs during driving the EBS is disabled but normal braking is still available.
	Illuminates to indicate a fault with the power steering system.
	Illuminates to indicate a fault with the braking system.
	Illuminates to indicate a fault with the accelerator pedal or associated system.
	Illuminates to notify the driver there is a stored message in the message centre.
	Illuminates to show the cruise control is active and the speed has been set. Flashes if there is a system fault.
	Illuminates to show the vehicle is ready to drive.
	Illuminates to notify that the sidelights are on.
	Illuminates and flashes to notify that the left direction indicator is on. If the arrow remains illuminated this shows a fault with the indicators.
	Illuminates and flashes to notify that the right direction indicator is on. If the arrow remains illuminated this shows a fault with the indicators.
	Both direction indicators illuminate and flash to notify the hazard lights are operating. If both arrows remain illuminated this shows a fault with the indicators.

	Illuminates to warn of abnormally low battery temperature.
	Illuminates to warn of abnormally low electric drive motor temperature.
	Illuminates to notify that the main beam headlights are on.
	Illuminates to notify the cruise control is switched on but a speed has not been set.

Driver's Controls and Instruments

Seats

Seat Height Adjustment



1. Lift the lever to release the seat.
2. Move the seat to the correct height, then release the lever to lock the seat position.

Seatback Adjustment



1. Lift the lever to release the seat.
2. Move the seatback to the correct position, then release the lever to lock the seatback position.

Driver's Controls and Instruments

Seats

Seat Forward and Rearward Adjustment



1. Lift the lever to release the seat.
2. Slide the seat forward or backwards to the correct position, then release the lever to lock the seat position.

Seat Base Adjustment



1. Lift the lever to release the seat.
2. Tilt the seat base up or down to the correct position, then release the lever to lock the seat base position.

Driver's Controls and Instruments

Seats

Passenger Seatback Release




To access the rear cab storage, the passenger seatback can be released forwards:

1. Lift the lever to release the seatback.
2. Tilt the seatback forwards.

Driver's Controls and Instruments

Steering Wheel

Adjusting the Steering Wheel

 **WARNING: Do not adjust the steering while driving. Adjusting the steering wheel while driving can cause loss of control of the vehicle. Loss of control of the vehicle can cause serious injury or death.**

The position of the steering wheel can be changed by adjusting the height and tilt to adapt to the driver's position.

To adjust the steering wheel:

1. Release the adjusting lever on the steering column by rotating it counterclockwise until it stops.
2. Hold the steering wheel with your hands and adjust it by pulling it up or down to adjust the height. Push it forwards or pull it towards you to adjust the depth.
3. Hold the steering wheel in the correct position and tighten the adjusting lever by rotating it clockwise until it stops.



Driver's Controls and Instruments

Lighting

Lighting Control



The lighting control is located adjacent to the steering column. Rotate the control to the required position:

1. Off position.
 - With the ignition off, all lights are off. With the ignition on, the daytime running lights are on.
2. Lights on position.
 - With the ignition off, parking lights are on. With the ignition on, the sidelights and low beam headlights are on.

High and Low Beam Headlights



The stalk is located on the steering column.

With the lighting control in the lights on position, push the stalk away from you **(1)** to switch to high beam. See "Lighting Control", page 16.



The high beam notification light illuminates on the instrument panel.

Move the stalk back to the central position, to revert to low beam.

To flash the high beam headlights pull the stalk fully towards you **(2)**. The high beam headlights operate for as long as the stalk is held. The high beam notification light also illuminates on the instrument panel.

Driver's Controls and Instruments

Lighting

Direction Indicators



The stalk is located on the steering column.

Push the stalk up to operate the right direction indicator (1).



The right direction indicator notification light illuminates on the instrument panel.

Push the stalk down to operate the left direction indicator (2).



The left direction indicator notification light illuminates on the instrument panel.

The indicators automatically turn off as the steering wheel returns to its central position.

Rear Fog Lights



The rear fog light switch is located on the dashboard controls. See "Controls Overview", page 4.

With the ignition on and low beam headlights selected, press the switch to turn on the rear fog lights.



The rear fog light notification light illuminates on the instrument panel.

To switch off the rear fog lights, press the fog light switch again. The notification light on the instrument panel will extinguish.



NOTE: The rear fog lights switch off automatically when the ignition is switched off.

Hazard Warning Lights



The hazard light switch is located on the dashboard controls. See section "Controls Overview", page 4.

To switch the hazard lights on, press the hazard light switch.



When the hazard lights are on, the direction indicators illuminate and the notification lights illuminate on the instrument panel.

Press the hazard light switch again to turn off the hazard lights. The notification lights on the instrument panel will extinguish.



NOTE: The hazard lights operate regardless of ignition switch position.

Driver's Controls and Instruments

Wipers and Washers

Wiper Controls

- i** NOTE: The windscreen wipers will only operate when the ignition key is switched to position 2. See "Ignition Modes", page 21.



Starting from the off position rotate the wiper stalk switch to the position required:

- **0:** The wipers are switched off.
- **INT:** The wipers will operate intermittently.
- **I:** The wipers operate continuously at low speed.
- **II:** The wipers operate continuously at high speed.

Operating the Washers



To operate the washers, slide the wiper stalk switch in the direction shown.

Driver's Controls and Instruments

Horn

Operating the Horn



To operate the horn, press the button as illustrated. Release the button to end horn operation.

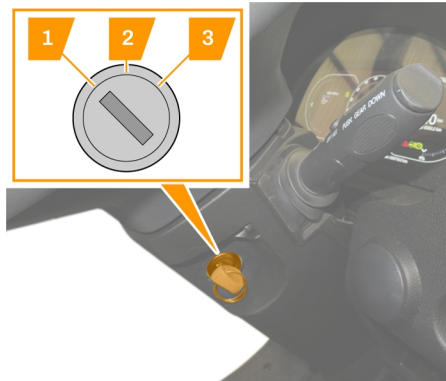
Starting and Driving

3.1 Starting and Stopping the Vehicle.....	21
3.1.1 Ignition Modes	21
3.1.2 Switching the Vehicle On	21
3.1.3 Switching the Vehicle Off	21
3.2 Brakes	22
3.2.1 Parking Brake.....	22
3.3 High Voltage Battery Charging.....	24
3.3.1 Charging the Vehicle	24
3.3.2 Charging Status.....	27
3.3.3 Charging Cable Emergency Release.....	29
3.4 Gear Selector.....	30
3.4.1 Selecting a Gear	30

Starting and Driving

Starting and Stopping the Vehicle

Ignition Modes



i NOTE: When the ignition key has been removed from the ignition switch, the steering wheel locking device is activated.

The ignition has 3 modes, rotate the key to the required position:

1. **Off:** Select to switch the vehicle off.
2. **On:** Select to enable the vehicle's electrical system.
3. **Start:** Select to start the vehicle's propulsion system.

Switching the Vehicle On

To switch the vehicle on:

1. Make sure the parking brake is applied.
2. Insert the ignition key into the ignition switch.
3. Rotate the ignition key to position **2**. An audible alert is heard, the speedometer displays **Initialising** accompanied with an animated orange light. Wait until the speedometer displays **Ready to start** accompanied with a steady green light. See "Ignition Modes", page 21.
4. Rotate the ignition key to position **3** then release. See "Ignition Modes", page 21.



The ready to drive warning light illuminates on the instrument panel. The vehicle is now ready to select a gear and drive. See "Selecting a Gear", page 30.

Switching the Vehicle Off



WARNING: Do not attempt to remove the key from the ignition switch until the vehicle is stationary. Failure to obey these instructions can put the vehicle, occupants and other road users at risk of accident.


To switch the vehicle off:


1. Make sure the vehicle is stationary.
2. Set the gear selector to **N** (Neutral).
3. Apply the parking brake.
4. Rotate the ignition key to position **1**. See "Ignition Modes", page 21.
5. Remove the key from the ignition switch.


Starting and Driving

Brakes

Parking Brake

 **WARNING: Do not use the parking brake as a service brake. The parking brake must not be applied when the vehicle is moving or used to slow the vehicle down. Failure to obey this warning can cause damage to the vehicle and serious injury from loss of control of the vehicle.**

 **WARNING: Always apply the parking brake when the vehicle is stationary or when you leave the cab. Not applying the parking brake can cause the vehicle to move suddenly without warning and cause serious injury.**


 **NOTE:** If the vehicle is parked on an incline it is advised to angle the steering wheel to prevent accidental movement of the vehicle. When parking downhill turn the steering wheel towards the kerb. When parking uphill turn the steering wheel away from the kerb.

Applying the Parking Brake

1. Stop the vehicle using the brake pedal.
2. Set the gear selection to **N** (neutral).
3. Move the parking brake lever rearwards until it drops into a locked position.



To make sure the parking brake lever is locked in position, check the following:

- The parking brake lever has lowered into position so it is mechanically locked.
-  The parking brake warning light is illuminated on the instrument panel.

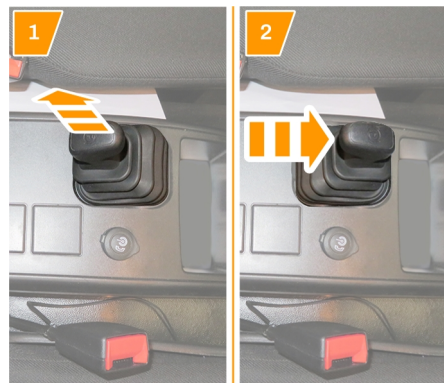
Starting and Driving Brakes

Releasing the Parking Brake




Before you can release the parking brake, the air pressure in the brake system must be equal to or greater than **8 bar**. The pressure can be monitored on the bottom of the instrument panel.

- i** NOTE: As a fail safe, the brake actuators will lock in position if the air pressure in the system is not sufficient to supply the brake system.
- i** NOTE: If the air pressure in the brake system fails to reach the required parking brake release pressure contact a retailer/authorised repairer.









To release the parking brake, lift the lever from position (1) then move the lever to position (2).







 Make sure the parking brake warning light has extinguished on the instrument panel.

Starting and Driving

High Voltage Battery Charging

Charging the Vehicle

-  **WARNING:** Inspect sockets, plugs and cables for damage before using the charging equipment. Do not use any equipment that shows signs of misuse or damage.
-  **WARNING:** Always make sure that any excess water is removed from the port area before connecting a charging device.
-  **WARNING:** Avoid connecting the charger during torrential rain or storms. If excessive water is evident around the charging port, use a suitable cloth to dry the area before removing the waterproof blanking plugs and connecting the charging cables.
-  **WARNING:** Do not touch the charging connector or charging plug when your hands are wet.
-  **WARNING:** Stop charging immediately if you notice anything abnormal such as sparks, burning or smoke.
-  **WARNING:** Always hold the charging connector handle or plug when connecting or removing the charging cable to avoid damage to the internal wiring in the cable. Damage such as this may lead to electric shock or fire. Be careful not to drop the charging connector as this could also lead to damage.

-  **WARNING:** High voltage charging equipment can cause interference with electronic medical devices. When using medical electrical devices such as pacemakers, please consult your doctor about whether charging your electric vehicle will impact the operation of the device. In some instances, electromagnetic waves that are generated from the charger can seriously impact medical electric device operation.
-  **CAUTION:** It is strongly recommended that you use a slow charging method under usual circumstances. Where possible, avoid constant or regular use of rapid chargers.
-  **CAUTION:** Do not start the vehicle during the charging process.
-  **CAUTION:** When charging has finished, switch off the charger (where the option is available), disconnect the cable from the vehicle, fit the waterproof blanking plug(s) and close the charging port door. Where applicable, disconnect the cable from the charging device.
-  **CAUTION:** Always keep the charging connector and charging plug clean and dry. Store your charging cable somewhere where there is no water or moisture present.
-  **CAUTION:** Only use the correct charger for charging the electric vehicle. Using any other charger or connector configuration may cause failure.

Starting and Driving

High Voltage Battery Charging

⚠ CAUTION: The vehicle can not be driven with the charging cable attached. Always remove the cable before attempting to drive the vehicle or damage can occur.

Preparing the Vehicle for Charging

To prepare the vehicle for charging:

1. Make sure the parking brake is applied.
2. Make sure the ignition switch is in position 1. See "Ignition Modes", page 21.
3. Remove the key from the ignition switch.

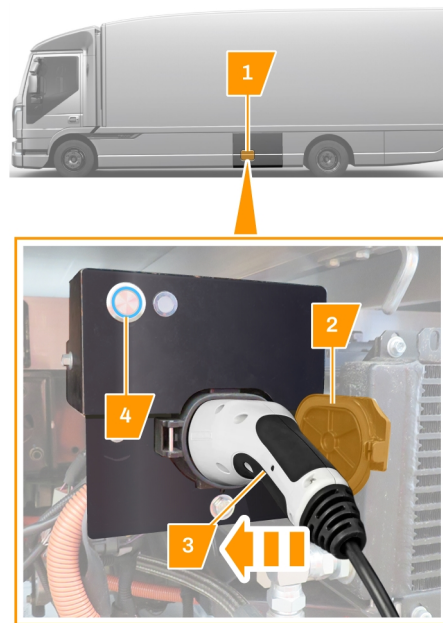
Charging Cable

The vehicle is supplied with a Type 2 cable for AC charging, always use the correct type of cable to charge the vehicle.



Connecting a Charging Cable

The charging port is located on the left side of the vehicle in front of the rear wheel arch.



Starting and Driving

High Voltage Battery Charging

To connect a charging cable:

1. Plug the appropriate charging cable into the charging device.

i NOTE: Cables may be pre-tethered to the charging post when using some charging stations.

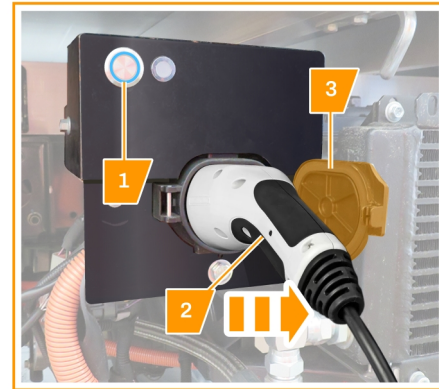
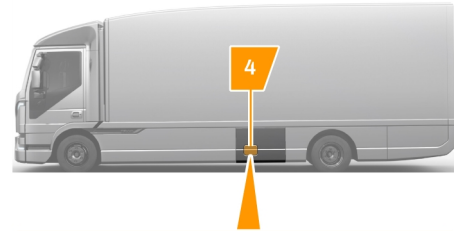
2. Push and release the flap to access the charging socket (1).
3. Open the charging socket flap (2).
4. Connect the charging cable to the vehicle charging socket (3).
5. The blue light (4) flashes then stops once the cable is locked in.

i NOTE: An audible click is heard when the cable is correctly located and locked.

6. The LED charging port light indicates the vehicle is charging. See "Charging Status", page 27.

Follow the instructions on the charging station to charge the vehicle.

Disconnecting the Charging Cable



1. Press and hold the button encircled by a blue LED (1) for approximately 2 seconds until both lights extinguish.
2. Once the lights extinguish and an audible click is heard, the charging cable (2) is unlocked and can be removed.
3. Close the charging connector flap (3).

Starting and Driving

High Voltage Battery Charging

4. Close the charging port flap **(4)**.
5. Remove the cable from the charging device.

In the event the charging cable will not release from the charging port. See "Charging Cable Emergency Release", page 29.

Charging Status

The vehicle charging status is displayed by the charging port and on the drivers instrument panel.

Charging Port Status

1. After connecting the charging cable to the vehicle the blue light **(1)** flashes until the charging cable is electrically locked in position. After the cable is locked the light remains on.



2. The LED light indicates a charging status as follows:
 - Flashing amber - Charging initialisation **(1)**.
 - Solid amber - Battery charging when battery capacity is under 80% **(2)**.
 - Solid green - Battery charging when battery capacity is over 80% **(3)**.
 - Solid red - Battery charging fault **(4)**.

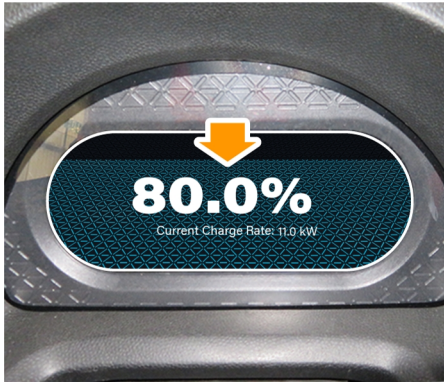


Instrument Panel Charging Status

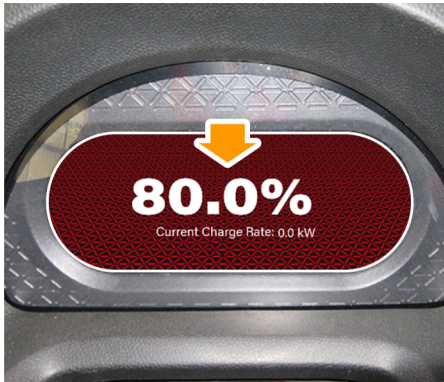
During vehicle charging, the instrument panel displays the following:

- The current battery capacity / state of charge in %.
- The charging rate in kW.

Starting and Driving High Voltage Battery Charging




If a charging error is encountered the screen display background will change to red.





Starting and Driving

High Voltage Battery Charging

Charging Cable Emergency Release

 **WARNING:** High voltage cables may be exposed when accessing certain vehicle components. Tampering with the high voltage system can cause severe burns or electric shock, which may result in serious injury or death. High voltage cables and connectors are coloured orange for identification purposes.

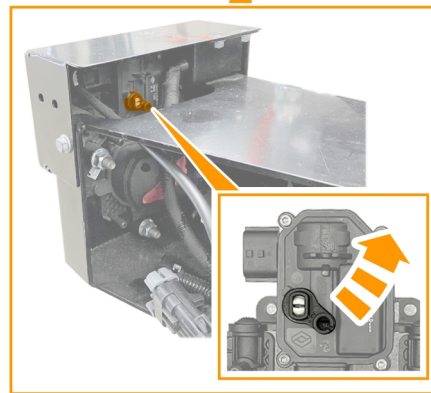
 **CAUTION:** Do not use the emergency release as a normal release method as it can cause arcing at the socket pins and damage the terminal surfaces.

 **NOTE:** If the cable will not release by using the emergency release method seek qualified assistance.

If the charging cable will not release electrically from the the charging socket, the manual release will need to be activated.

The cable can be released as follows:

1. Access the rear of the charging socket.
2. Rotate the lever upwards to release the cable lock.



3. Remove the charging cable from the charging socket.

Starting and Driving

Gear Selector

Selecting a Gear

⚠ CAUTION: The vehicle must be stationary before making a gear selection. Failure to do so can potentially result in serious damage to the vehicle's driveline system.

⚠ CAUTION: Do not press the accelerator pedal when making a gear selection. Doing so can potentially result in serious damage to the vehicle's driveline system.



With the vehicle stationary, firmly apply the brake pedal and press the required gear selector:

1. Drive (**D**): Select to drive the vehicle forward.
2. Neutral (**N**): Select to stop propulsion energy being supplied to the vehicle's driveline system.
3. Reverse (**R**): Select to drive the vehicle backward.

Neutral position can be selected from any gear position.

To select a gear whilst driving, stop the vehicle, press neutral then the required gear. It is not possible to select another gear whilst in motion.

The current gear selection is displayed on the instrument panel. See "Instrument Panel Overview", page 5.

i NOTE: When the ignition is cycled, the vehicle automatically resets to neutral gear selection.

Driving Aids

4.1 Cruise Control 32

4.1.1 Operating the Cruise Control 32

Driving Aids

Cruise Control

Operating the Cruise Control

⚠ WARNING: The cruise control only maintains the vehicle speed. The braking and vehicle direction is not controlled. The driver must remain responsible and in control of the vehicle at all times. Failure to obey these instructions can put the vehicle, occupants and other road users at risk of accident.

The cruise control switches are located on the steering column. See "Controls Overview", page 4.

The cruise control can only be activated when the vehicle speed is 20 km/h (12 mph) or above. The system maintains vehicle speed without the driver using the accelerator pedal.

Cruise control must not be used in heavy traffic conditions or when it is important to control the variable speed of the vehicle.

When the vehicle is first started the cruise control is turned off.



1. Rocker switch **ON+**
2. Rocker switch **ON-**
3. **RES**

Turn the cruise control system on by pressing the **RES** button.



To indicate the cruise control is switched on, the cruise control notification light illuminates.

The following conditions must be met to engage the cruise control:

- Vehicle in motion with the drive (**D**) gear selected.
- The accelerator pedal must have been pressed after the vehicle has been started and the cruise control turned on.
- Vehicle speed 20 km/h (12 mph) or above.
- The brake pedal is not pressed.

Driving Aids

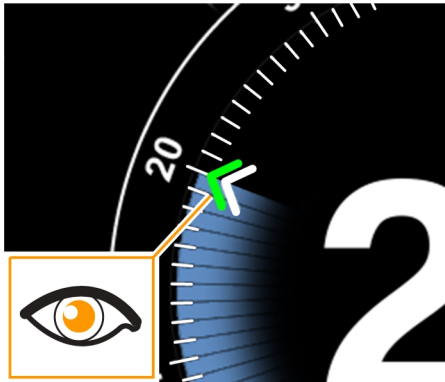
Cruise Control

While driving at the desired speed, press and release the **ON+** button to engage the cruise control and maintain the current vehicle speed. The accelerator can now be released and speed will be maintained.

With the cruise control already set, pressing the **ON+** button again will increase the vehicle speed by 1 km/h or 1 mph increments. Pressing the **ON-** button will decrease the vehicle speed by 1 km/h or 1 mph increments.



To indicate the cruise control is engaged, the cruise control notification light illuminates. A green arrow also appears on the speedometer at the set speed.



To disengage the cruise control press the **RES** button again. The previous speed setting will be stored in the memory until the vehicle is switched off.

The cruise control is also disengaged when:

- Operating the brake pedal.
- Operating the accelerator pedal for more than 30 seconds (requesting a greater speed than the cruise control is set at).

To resume cruise control at the previously set speed, press the **RES** button with the cruise control system switched on.

To turn off the cruise control system, press and hold the **RES** button for 3 seconds. This function will operate whether the cruise control is engaged or disengaged.



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