



## ***QUICK START GUIDE***

**7.5t**  
MODEL: TEV75B



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Driving compartment

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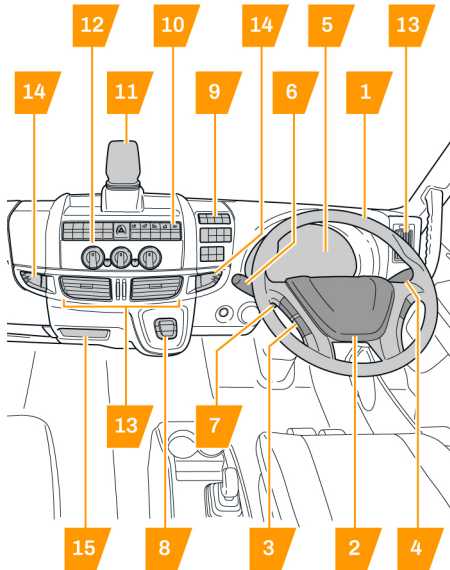
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# Driving compartment Overview

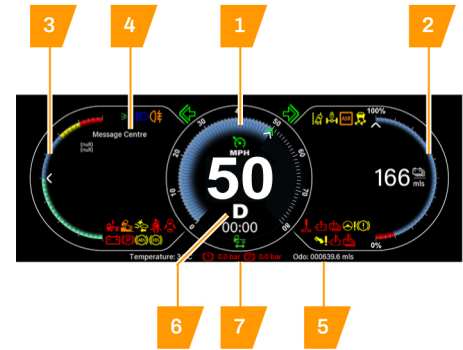
## Controls overview



4. Cruise control.
5. Instrument panel.
6. External lighting, direction indicators, wipers and washers.
7. Ignition switch.
8. Gear selector.
9. Dashboard controls.
10. Dashboard controls.
11. LDWS (Lane Departure Warning System) camera.
12. Air conditioning system / heater controls.
13. Side and central air vents.
14. Document compartment.
15. Storage compartment.

1. Steering wheel.
2. Horn control.
3. Steering wheel controls.

## Instrument panel overview



The instrument panel consists of the following components:

1. Digital and analogue speedometer.
2. Battery state of charge percentage and battery range estimate in miles/km.
3. Power demand or regeneration of the HV battery. Red area shows high discharge, green area shows battery regeneration under braking.
4. Message centre.
5. Odometer information.



## Driving compartment Overview

6. Current selected gear.
7. Air tank pressure information.

### Instrument panel warning lights



Red warning lamps are primary warnings and must be investigated immediately by the driver or by a qualified person, before continuing.



Amber and yellow warning lamps are secondary warnings. Some indicate that a system is operating; some indicate that an action must be taken.



Green warning lamps indicate a system's status.



Blue warning lamps normally indicate a system's status.



NOTE: For more information on the features covered in this guide, please refer to the warning and information lights.

See Warning and information lights, page 2.02.

## Driving compartment

### Entering and exiting the vehicle

#### Locking and unlocking

**i** NOTE: The vehicle is not equipped with a central door locking facility so each door must be locked or unlocked individually.

**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.



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 internal locking and unlocking facility is a manually operated control button:

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

## Driving compartment

### Entering and exiting the vehicle

#### Access to the cab

Unlock the vehicle doors. See Locking and unlocking, page 1.04.


Use the external opening handle to open the door.



Enter the vehicle using the handholds and the step.



- Keep the access step and grab handles clean to prevent slips.
- Always face towards the cab when you enter or exit the cab. Never try to enter or exit the cab backwards.
- Never jump out of the cab.

 **WARNING:** Failure to obey the following warnings can result in serious injury.

To reduce the risk of injury from slips and falls obey the following precautions:

## Driver's controls and instruments







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## Driver's controls and instruments

### Instrument panel







#### Warning and information lights

##### Red

	Illuminates when cab tilting is engaged.
	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 lamp illuminates and a message appears in the information centre.
	Illuminates when the parking brake is applied.
	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 abnormal electric drive motor temperature.
	Illuminates to warn of abnormally high battery temperature.
	Illuminates to show the vehicle is not ready to drive. If the lamp illuminates whilst driving, the driver must stop immediately.

##### Amber and Yellow










	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 lamp illuminates continually.
	Illuminates if the differential lock is engaged.
	Illuminates and flashes if the ASR (Anti Skid Regulator) is engaged. A fault has occurred if the lamp illuminates continually.
	Illuminates and flashes if the ASR (Anti Skid Regulator) has been deactivated.
	Illuminates when the hill hold system is engaged.

## Driver's controls and instruments

### Instrument panel

	Illuminates when the Automatic Emergency Braking System (AEBS) activates a front collision warning. A fault has occurred if the lamp illuminates continually.
	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.

### Green and Blue

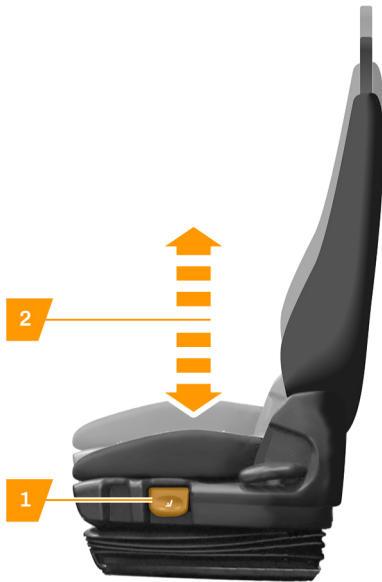
	Illuminates to notify that the sidelights are on.
	Illuminates and flashes to notify that the left direction indicator is on.
	Illuminates and flashes to notify that the right direction indicator is on.
	Illuminates to show the cruise control is active. Flashes if there is a system fault.
	Illuminates to show the vehicle is ready to drive.
	Both direction indicators illuminate and flash to show the hazard lights are operating. If both arrows remain illuminated this shows a fault with the indicators.
	
	Illuminates to notify that the main beam headlights are on.
	Illuminates to warn of abnormally low battery temperature.

## Driver's controls and instruments

### Seats

#### Adjusting the seats

##### 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.

##### Seat back adjustment



1. Lift the lever to release the seat.

2. Move the seat back to the correct position, then release the lever to lock the seat back position.

##### Forward and rearward adjustment



## Driver's controls and instruments

### Seats

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.

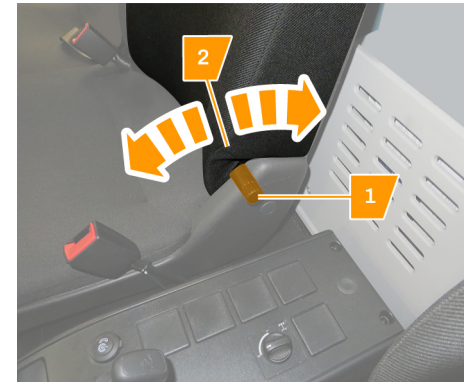
#### Seat base adjustment



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.

#### Passenger seat back release

To access the rear cab storage, the passenger seat back can be released forwards.



To release the back:

1. Operate the lever to release the seat back.
2. Tilt the seat back forwards.



## Driver's controls and instruments

### Steering wheel

#### Adjusting the steering wheel

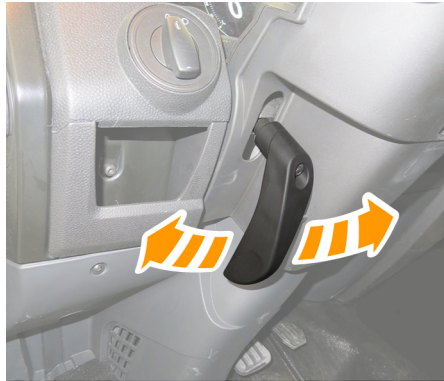


**WARNING:** Do not adjust the steering wheel when you drive. If you adjust the steering wheel when you drive it can cause loss of control of the vehicle. Loss of control of the vehicle can cause serious injury or death.

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

To adjust the steering wheel:

1. Loosen 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.

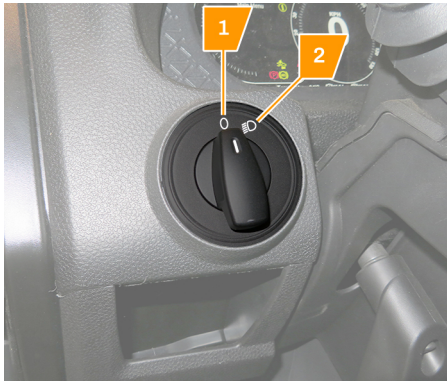


## Driver's controls and instruments

### Lighting

#### Lighting control

The light switch is located on the right side of the steering column.



Rotate the switch to the following positions:

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

#### High/low beam headlights

The switch is located on the left side of the steering column.



With the light switch in the lights on position, push the stalk away from you (1) to switch to main beam. The main beam warning light will illuminate on the instrument panel.

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

To flash the main beam headlights pull the stalk fully towards you (2). The main beam headlights operate for as long as the stalk is held. The main beam warning light will illuminate on the instrument panel.

## Driver's controls and instruments

### Lighting

#### Indicators

The switch is located on the left side of the steering column.



Push the switch up to operate the right direction indicator (1). The notification light flashes on the Instrument cluster.

Push the switch down to operate the left direction indicator (2). The notification light flashes on the Instrument cluster.

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 1.02.

With the ignition on and the low beam headlights on, press the fog light switch to turn on the rear fog lights. To switch off the rear fog lights, press the fog light switch again.



When the ignition is switched off the rear fog lights switch off automatically. To switch the fog lights on again, do the procedure as above.

#### Front fog lights

The front fog light switch is located on the dashboard controls. See Controls overview, page 1.02.

With the ignition on and the low beam headlights on, press the fog light switch to turn on the front fog lights. To switch off the front fog lights, press the fog light switch again.



When the ignition is switched off the front fog lights switch off automatically. To switch the fog lights on again, do the procedure as above.

## Driver's controls and instruments

### Lighting

#### Hazard warning lights

The hazard light switch is located on the dashboard controls. See Controls overview, page 1.02.

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

Press the hazard light switch again to turn off the hazard lights.



The hazard lights will operate regardless of ignition switch position.

## Driver's controls and instruments

### Wipers and washers

#### Wiper controls

The windscreen wipers will only operate with the ignition on.

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



The headlight washing function activates if the washers are operated with the headlights on.

1. INT: The wipers will operate intermittently.
2. I: The wipers operate continuously at low speed.
3. II: The wipers operate continuously at high speed.

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

## Driver's controls and instruments

### Cruise control

#### Cruise control operation

##### Overview



**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 can only be activated when the vehicle speed is 20 km/h or above. The system maintains vehicle speed without the driver using the accelerator pedal. Should the vehicle increase speed by 2 km/h from the set value the vehicle will automatically slow down.

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

##### Activation

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

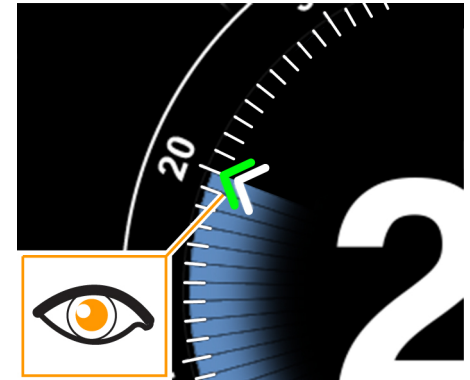
- Vehicle in motion with gear selected.
- Vehicle speed 20 km/h or above.
- Brake pedal not operated.



1. **Rocker switch ON+:** Pressing once activates cruise control and maintains 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 increments. Holding the button in will increase the vehicle speed until maximum speed is reached or the button is released.

2. **Rocker switch ON-:** With the cruise control already set, pressing the button will decrease the vehicle speed by 1 km/h increments. Holding the button in will decrease the vehicle speed until minimum speed is reached or the button is released.
3. **RES:** With cruise control cancelled, pressing the button will set the cruise control to the last setting. Pressing the RES button with cruise control set will cancel the cruise control setting.

To indicate the cruise control is activated a green arrow appears on the display panel at the set speed.



## Driver's controls and instruments

### Cruise control

#### Deactivation

The cruise control is deactivated when:

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

The cruise control system is temporarily deactivated if the accelerator pedal is operated for no longer than 30 seconds. The cruise control automatically resumes when the accelerator pedal is released.

## Starting and driving

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## Starting and driving

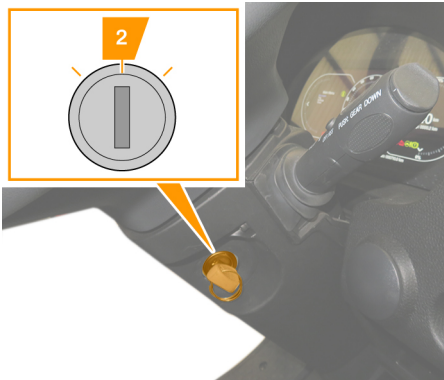
### Starting and stopping the vehicle

#### Switching the vehicle on

Enter the cab. See Access to the cab, page 1.05.

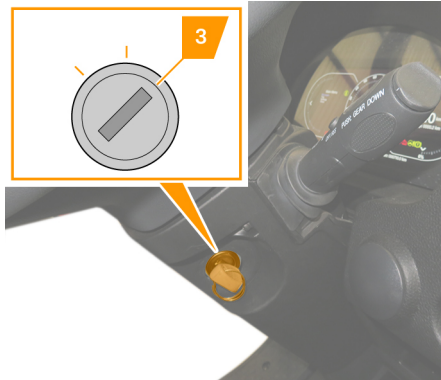
To switch the vehicle on do the following:


1. Make sure the parking brake is applied.
2. Insert the ignition key into the ignition switch on the right side of the steering column.
3. Rotate the ignition key to the position 2. Wait for the vehicle to initialise and the display panel to illuminate, an audible alert is heard.



4. Press the brake pedal and hold.

5. Rotate the ignition key to the position 3. Hold the key in this position for 2 seconds to initialise the drive system.

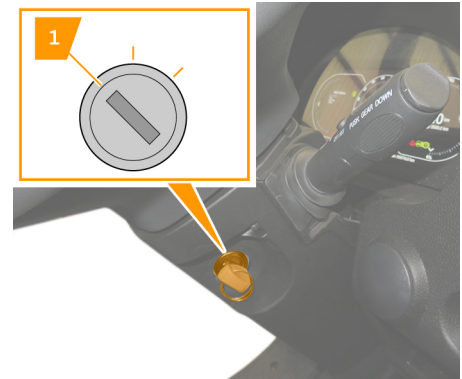


6. Release the ignition key back to the position 2.
7.  The ready to drive lamp illuminates. The vehicle is now ready to select a gear and drive.

#### Switching the vehicle off

To switch the vehicle off do the following:

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.



5. Remove the key from the ignition switch.

## Starting and driving

### Starting and stopping the vehicle





**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.


## Starting and driving

### Brakes

#### Parking brake

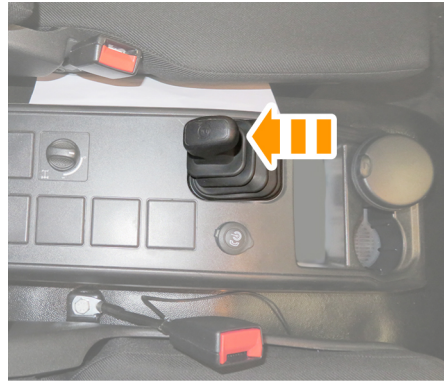
 **WARNING:** Do not use the parking brake as a service brake. The parking brake must not be applied when the vehicle is moving or used to slow the vehicle down. Failure to obey this warning can cause damage to the vehicle and serious injury from loss of control of the vehicle.

 **WARNING:** Always apply the handbrake 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 you park on a sloping road it is advised to angle the steering wheel to the road side curb so the vehicle is retained in case of accidental movement.

#### Applying the parking brake

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

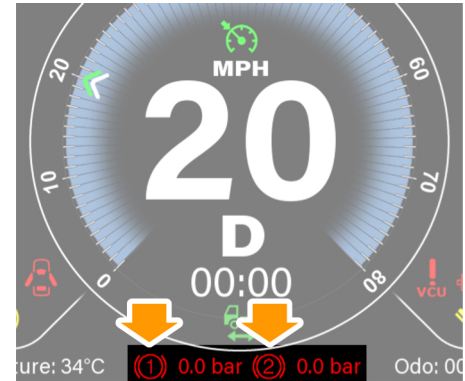



To make sure the parking brake lever is locked in position, check the following:

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

#### Releasing the parking brake

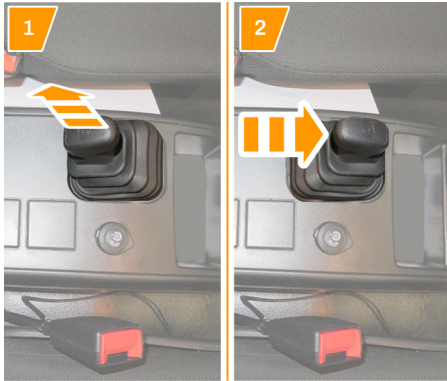
Before you can release the handbrake, the air pressure in the brake system must be equal to or greater than 8 bar. The pressure can be monitored on the bottom of the instrument panel.




 **NOTE:** As a fail safe, the brake actuators will lock in position if the air pressure in the system is not correct to supply the brake system.

1. Lift the lever from position (1) then move the lever to position (2).

## Starting and driving Brakes









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


## Starting and driving


### Charging the vehicle


#### Connecting a charging cable


-  **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 hand is 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.

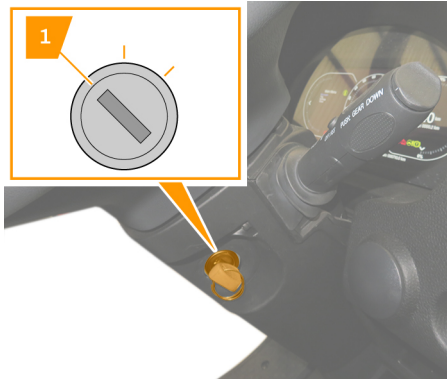
#### Preparing the vehicle for charging

To prepare the vehicle for charging do the following:

1. Make sure the parking brake is applied.
2. Make sure the ignition switch is in position 1.

## Starting and driving

### Charging the vehicle



3. Remove the key from the ignition switch.

#### Charging port

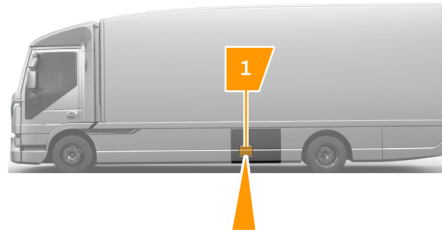
The charging port is located on the left side of the vehicle in front of the rear wheel arch.

#### Connecting a charging cable

To connect the charging cable do the following:

1. Plug the type 2 charging cable into the charging device.
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. When the cable locks there is an audible click.

6. The LED charging port light indicates the vehicle is charging. See Charging status, page 3.08.

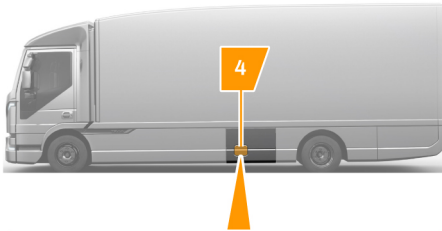
Follow the instructions on the charging station to charge the vehicle.

#### Stopping the vehicle charging

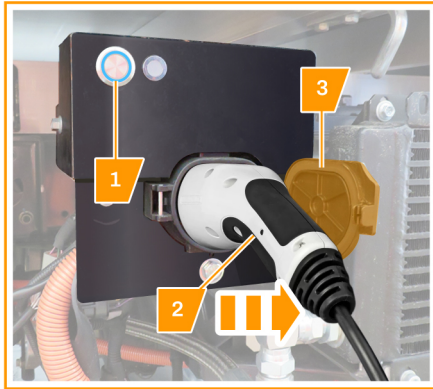
1. Press and hold the blue button (1) for approximately 2 seconds until both lights extinguish.

## Starting and driving

### Charging the vehicle



In the event the charging cable will not release from the charging port. See Charging cable emergency release, page 3.10.



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).
4. Close the charging port flap (4).

### Charging status

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

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 lamp indicates charging status as follows:
  - Flashing amber - Charging initialisation (1).

## Starting and driving

### Charging the vehicle

- 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).

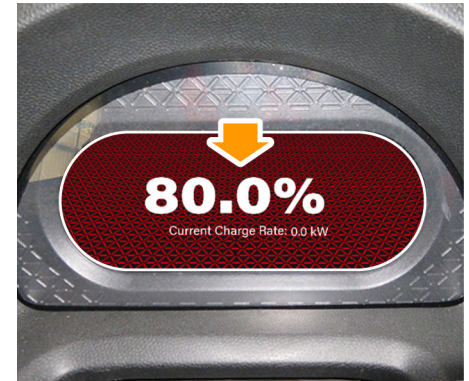


During vehicle charging, the instrument panel displays the following:

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



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





## Starting and driving

### Charging the vehicle

#### Charging cable emergency release

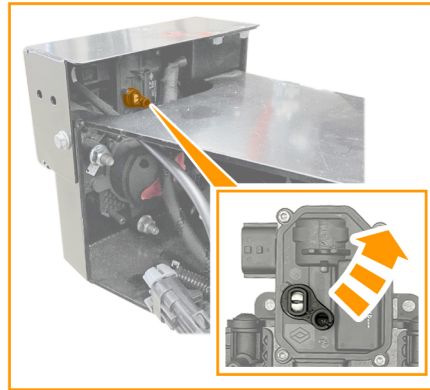


**WARNING:** High voltage cables may be exposed when accessing certain vehicle components. Tampering with the high voltage system can cause severe burns or electric shock, which may result in serious injury or death. High voltage cables and connectors are coloured orange for identification purposes.

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.



**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.

## Starting and driving

### Gear selector

#### Selecting a gear

**⚠ 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 directly select another gear whilst in drive or reverse.

The current gear selection is displayed on the instrument panel. See Instrument panel overview, page 1.02.

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

