

# Driver Guide

## MCV eVora





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# Introduction

**Your safety, that of our customers and other road users is always our number 1 priority.**

In designing this vehicle, we have remained true to those things. Most things about this vehicle will therefore be familiar to you and will need little or no explanation to an experienced and professional driver.

There are some important differences that you need to be aware of. This manual will help explain what these are and what you need to know and do together with where to go for more advice, guidance or help.

You **MUST** take the time to read and understand this guide and in common with all vehicles, you must not drive this bus unless you are fully aware of how to do so safely.

Please do not hesitate to ask any questions you may have about the safe operation of the bus before you drive it by contacting your supervisor, or by radioing Control.

# What's new?



## Capacity on board the MCV eVora is

49 (seated)

38 (standing)

or

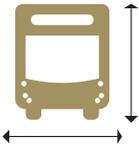
46 (seated)

37 (standing) and 1 wheelchair



**Safety Reminder** - with so many customers with differing needs on board, make sure you give everyone time to board and disembark safely.

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## Dimensions

length 12.9m (42'3") | width 2.55m (8'4")

height 9'10" (3m) | unladen Weight 11,416kgs.



**Safety Reminder** - Rear length marker lights have been fitted to highlight the rear of the bus and to indicate when you have safely passed hazards.

# What's new?

## Accessibility



Improved accessibility for our customers with a new shared space.



**Safety Reminder** - Customers with mobility aids should sit in the rearward facing tip up seat for their comfort and safety.

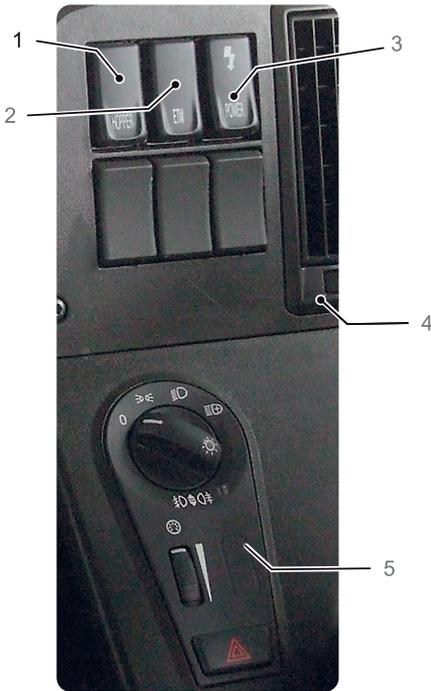
## Parent and child seat

The front offside and nearside seats are designed for a parent and child to sit together.

They are considerably wider than a standard seat.



# Dash Controls



1. Cash Hopper Switch
2. ETM Switch
3. Power Switch
4. Driver's Heater Vent
5. Lighting Controls



## Ignition Switch

Located under the steering column, turn to on position before starting vehicle.

## Lighting Controls

- a. Lighting switched off or automatic dipped lights
- b. Parking Lights
- c. Main and dipped beam
- d. Extra headlamps (option)



1. Light Switch (Spring Loaded)  
Pull Out – Rear Fog Lights **On**  
Pull Out Again – Rear Fog Lights **Off**  
Press In – Front Fog Lights **On**  
Press In Again – Front Fog Lights **Off**
2. Indicator Lamp, Front Fog Lights
3. Indicator Light, Rear Fog Lights
4. Rheostat for regulating the instrument lighting
5. Hazard Lights

# Dash Controls



# Dash Controls

1. **Emergency Switch** Use to shut off vehicle in emergency
2. **Bus Stop** Illuminates when saloon bell is pressed and stays illuminated until front entrance doors are opened
3. **Access Ramp** Illuminates when ramp request button is pressed. The light cancels once the entrance doors are opened
4. **Doors Low Air Pressure** Illuminates when air pressure is low to operate the doors
5. **Low Beam Fault Light** Illuminates when low beam fails on either lamp
6. **Emergency Door Open Warning** Illuminates when emergency door is opened
7. **Front Door Open** Illuminated when front entrance door is open
8. **Ramp Unstowed** Illuminates if the ramp is in any position other than correctly stowed. The light will cancel once the ramp is finished with and correctly stowed
9. **Microphone Switch** Illuminates when in use
10. **Saloon Light Master & Indirect Light Switch** Turns on saloon lighting, return to position to extinguish
11. **Nearside Saloon Light** Switch - Turns on / off near side saloon lighting when master switch is in on position
12. **Offside Saloon Light** Switch – Turns on /off offside saloon lighting when master switch is in on position. Only available when engine is running
13. **Cab Light Switch** When in the on position the cab lighting will be illuminated
14. **Reversing Horn Cut Off Switch** Will silence the reversing horn for a single reversing manoeuvre (i.e. at night). However as soon as the bus is moved out of reverse gear the mute function will deactivate and the warning will sound the next time reverse gear is selected
15. **Battery Master Switch**
16. **Suspension (Ferry Lift)** Press Up for full ferry lift, select Centre position for normal ride height. Selecting the Down position has no effect (full kneel is not fitted to this bus). Ensure the switch is in the Centre position when used in service
17. **Gear Selection:**  
**D - Drive, N - Neutral, R - Reverse**  
Push button selection. To select a gear the handbrake and footbrake must be applied when selecting the required gear. When selecting D to R or R to D you must select N prior to selecting the Drive or Reverse gears
18. **Side Kneel** Activates the side kneeling facility, only lowering the airbags on one side only. The bus will kneel only when the handbrake is applied. The kneeling function is available with the front entrance doors open
19. **Flank Camera Switch** Use to view flank camera on driver's monitor
20. **Front Entrance Door Open and Close** Press to the left to open and right to close

# Dash Controls



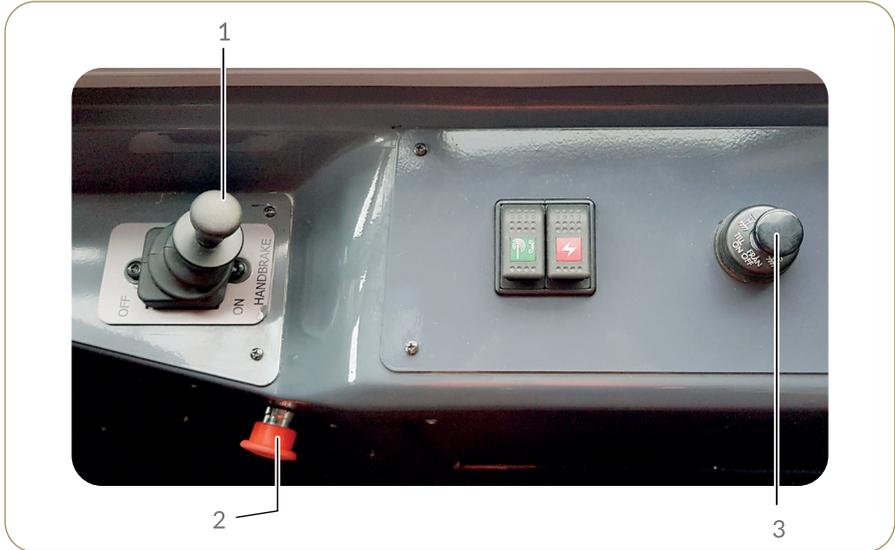
- |                              |                               |
|------------------------------|-------------------------------|
| 1. Tachometer (Rev Counter)  | 4. Driver Information Display |
| 2. Turbo Pressure Gauge      | 5. Fuel Gauge                 |
| 3. Coolant Temperature Gauge | 6. Speedometer                |

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## Start up procedure

1. Turn on the Master Switch.
2. Turn on battery master switch.
2. Turn ignition key.  
Your dashboard will light up as shown above.
4. **Warning lights.**  
Wait for warning lights to turn off and for the Volvo logo to stop spinning.
5. **Start the engine.**  
During the time which you are waiting for warning lights to turn off, the vehicle is conducting checks and subsequently turning the engine on too soon can lead to faults occurring.

# Driver's Side – Binnacle Controls



1. **Handbrake.** Handbrake is engaged in the on position and released when moved to the off position.
2. **Driver Assault Alarm Knee Switch.**
3. **Broms Brake.** The Broms Brake activates when the air pressure in the brake circuit is too low, for example if the bus has been parked for longer periods.

To release the parking brake:

1. Ensure the handbrake is applied.
2. Start the engine.
3. Wait until sufficient brake pressure has built up (5.6 Bar) and the stop lamp in the instrument panel has gone out.
4. Push down on the Broms brake to deactivate and release the handbrake as normal to move the vehicle.

# Additional Switches and Controls

## Steering Wheel and Dash Adjuster

Located in the left hand drivers footwell, Press with foot and adjust to a comfortable position.



## Cleaner's Switch

Located on the shelf plate above the entrance door on windscreen side. Once pressed the interior lights remain on for 15 minutes.



## Additional Driver Heater Vents

Located in the lower drivers cab area on the left and right hand side. Controlled by movement of the directional flaps in open or closed position.

# Heating Controls – Passenger and Driver

Located in the upper driver console the heater controls are divided for passenger saloon and drivers cab area.



1. **Passenger Saloon Area.** Controlled by three position switch.
  - Off position - no heating in the passenger saloon.
  - Position I - Slow fan to circulate heat.
  - Position II - Fast fan speed.
2. **Driver Cab Heating.** Heat controlled by graduated twist control knob from cold through to hot.
3. **Driver Cab Heating Fan.** Fan speed controlled by graduated twist control knob from no fan through to full speed.

# Destination Equipment Controller

Located in the driver's overhead console.



The destination equipment has the same functionality as those fitted throughout the rest of the fleet.

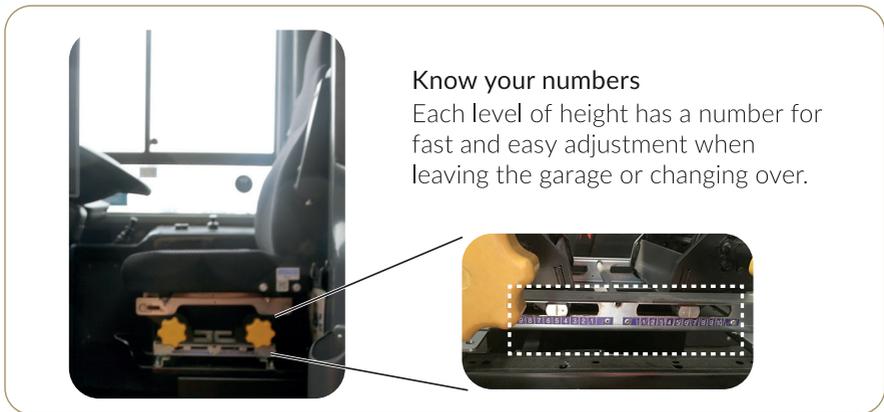
# Cab Environment and Driver's Seat

The cab area has been ergonomically re-designed to be more spacious and driver focused with some additional features for your convenience and comfort.

## Your new seat

A light breathable fixed fabric seat has been fitted to this bus – comfort and ease of use being the focus.

To adjust the seat – simply twist the yellow handles until you are in your chosen position.



To adjust the back of the seat, again it's a simple lever to the right of the seat. A manual runner is fitted for sliding forward and back easily.



**Health reminder** – An upright sitting position is proven to be better for your back and gives you improved all round vision.

# Wheelchair and Manual Ramp



## Normal manual ramp procedures apply

Ensure handbrake and neutral gear is selected before leaving the driver cab to operate the ramp.

## Deploying the ramp

In common with other manual ramps across the fleet, to deploy the ramp, lift the plastic cover to the right of the ramp platform, here you will see a stainless steel arm with handle, lifting this will allow the ramp to be deployed fully, to retract the ramp again use the silver arm and this will clip under the plastic cover.



If a buggy or customer are occupying the area, they must be asked to move from the area. If they refuse, contact control for advice.

# First Use Checks

In addition to the First Use Check, the new features of the MCV eVora require drivers to complete a number of checks to ensure it is safe to enter service.

## 1. Marker lights

Given the extra length of the new MCV eVora, Additional Marker Lights have been fitted to the rear of the vehicle, offering an additional reference point when driving. Damaged or missing marker lights should be reported immediately.



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## 2. Pressure sensitive door edges

The door pressure sensitive edges must be operating correctly for the bus to enter service.

To check these; doors should be open and closed. If for any reason the doors fail to close or automatically reopen when there is no apparent reason to trigger this, report this for a full safety check.

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### 3. Emergency and safety equipment overview

The bus must have the following emergency and safety equipment:

- Fire extinguisher
- Pull & Push Emergency exit windows (seals undamaged)

It is essential that all emergency and safety equipment is visually checked so that it is in working order and in place.

As with any other vehicle acquaint yourself with where the emergency and safety equipment is located in the bus, how it is used and ensure that nothing is missing or damaged.



