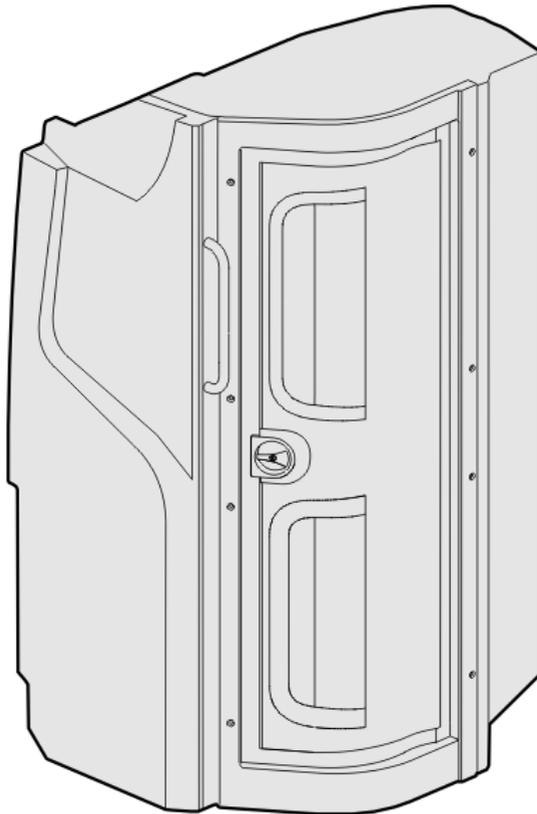


Operating Instructions

Toilet

9700 USCAN



W0119187

VOLVO

Foreword

The following levels of observations, cautions and warnings are used in this Service Documentation:

Danger: Indicates an unsafe practice where serious personal injury or death could occur.

Warning: Indicates an unsafe practice where personal injury or severe damage to the product could occur.

Caution: Indicates an unsafe practice where damage to the product could occur.

Note: Indicates a procedure, practice, or condition that must be followed in order to have the vehicle or component function in the manner intended.

This operation instruction contains information concerning the operation and function of the bus toilet. In case of the coach is not equipped with all functions described in this manual, it is due to the custom adaptation or different equipment levels.

Technical data, construction information, descriptions and illustrations in this operation instruction, that were current when the book was published, can have been changed. The Volvo Company reserves the right to make changes without prior notice.

The information in this operation instruction it applying to buses.

Volvo Bus Corporation

Göteborg, Sweden

Order number: 89369876

©2018 Volvo Bus Corporation, Göteborg, Sweden

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted in any forms by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of Volvo Bus Corporation

Foreword

The National Highway Traffic Safety Administration (NHTSA) and Prevost should be informed immediately if you believe that the vehicle has a defect that could cause a crash, injury or death.

Contact NHTSA by calling the Auto Safety Hotline at 1 (888) 327-4236, by writing to NHTSA, U.S. Department of Transportation, Washington, DC 20590, by TTY at 1 (800) 424-9153, or visit their website at www.nhtsa.gov.

Note: Illustrations in this operation instruction are used for reference only and may differ slightly from the actual vehicle. However, key components addressed in this document are represented as accurately as possible.

Please keep this operation instruction in the vehicle at all times.

Volvo Bus Corporation

Göteborg, Sweden

Order number: 89369876

©2018 Volvo Bus Corporation, Göteborg, Sweden

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted in any forms by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of Volvo Bus Corporation

Contents

Introduction	1
Driver's responsibility	1
Toilet general view	2
Decals in the cubicle	3
Toilet cubicle keys	4
Toilet operation	5
Activation of the cubicle	5
Flushing of the toilet	5
Filling and draining of the tanks	6
Water tank filling	6
Water tank draining	7
Septic tank draining	7
Cubicle door lock operation	8
Signals of toilet occupied/vacant	9
Interior light	10
Extractor fan	11
Emergency alarm	11
Cleaning and hygiene	12
Cubicle and toilet bowl	12
Gel dispenser	13
Trash bin	14
Toilet paper dispenser	15
Maintenance	16
Daily routine maintenance	16
Weekly routine maintenance	17
Winterization	18
Index	19

Safety Information

IMPORTANT: Before driving this vehicle, be certain that you have read and that you fully understand each and every step of the driving and handling information in this manual. Be certain that you fully understand and follow all safety warnings.

IT IS IMPORTANT THAT THE FOLLOWING INFORMATION BE READ, UNDERSTOOD AND ALWAYS FOLLOWED.

The following types of advisories are used throughout this operating instruction:



DANGER

Danger Indicates an unsafe practice where serious personal injury or death could occur. A danger advisory banner is in **white** type on a **black** background with a **black** border.



WARNING

Warning Indicates an unsafe practice where personal injury or severe damage to the product could occur. A warning advisory banner is in **black** type on a **gray** background with a **black** border.



CAUTION

Caution Indicates an unsafe practice where damage to the product could occur. A caution advisory is in **black** type on a **white** background with a **black** border.

Note: Note Indicates a procedure, practice, or condition that must be followed in order to have the vehicle or component function in the manner intended.

This booklet is intended to help the driver about how to operate properly the toilet on the bus.

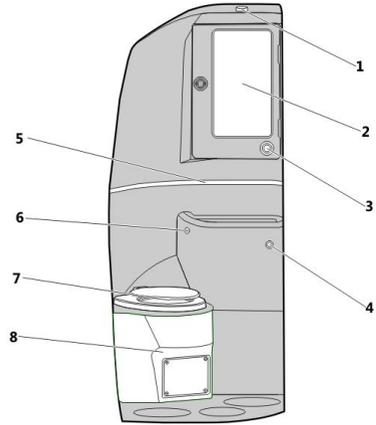
Driver's responsibility

- As the driver, you are responsible for the safety and comfort of the passengers during the journey. Therefore, do not drive the bus before you have read this operation instruction. You must be familiar with bus equipment, indications and warnings to know what to do if something unexpected happens.
- Follow the recommended service and maintenance programme to maintain the bus's condition and safety.
- It is also your responsibility to ensure that all the safety equipment of the bus is in place. Therefore check regularly the working order of seat belts, emergency door and window opening, door sensitive edges, fire extinguishers and first aid equipment.
- It is also your responsibility to ensure that all bus components working in order.
- Pay attention to exhaust and fuel smells. Any leaks should be taken care of immediately at the workshop.

2 Introduction

Toilet general view

- 1 Spot lamp.
- 2 Mirror.
- 3 Gel dispenser.
- 4 Alarm button.
- 5 Ambient light.
- 6 Flush button.
- 7 Toilet seat.
- 8 Toilet bowl.



W0119191

Toilet cubicle lay-out.

Decals in the cubicle

- 1 Do not use standing up position; do not throw strange objects in the toilet bowl.
- 2 No smoking.
- 3 Door lock.
- 4 Toilet flush.
- 5 Alarm button.
- 6 Gel dispenser.
- 7 Trash bin.



W0119192

Decals.

4 Introduction

Toilet cubicle keys

Two keys are used for the toilet.

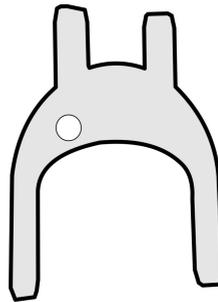
- 1 For the cubicle door and mirror door **(A)**.
See also: “Cubicle door lock operation”, page 8
- 2 For paper and gel dispensaries **(B)**.
Refer to following sections on present operating instructions:
 - “Gel dispenser”, page 13
 - “Toilet paper dispenser”, page 15

Note: The paper and gel dispensaries in the toilet must be opened by using the special key in order to avoid dispensaries lid’s damage.



W0140347

(A) Cubicle door and mirror door key.



W0140320

(B) Toilet dispensaries special key.

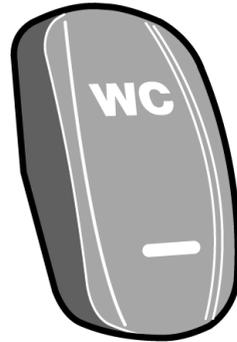
Activation of the cubicle

To activate the cubicle, turn on the toilet switch on the dashboard.



CAUTION

In order to protect the electrical system, ensure that the toilet switch is OFF when starting or jump starting the vehicle.



T3018183

Activation switch on the dashboard.

Flushing of the toilet

Pushing the flush button flushes the toilet. If a further flush is required, wait for the flush cycle to complete, and then press the button again.

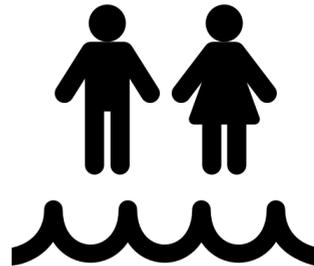
Also, the toilet flushes automatically if the cubicle is vacated without having done the flush before.

When the septic tank is full, a symbol will appear on the DID (“*Driver Information Display*”) and the “occupied” lamp will illuminate with signal.

The toilet is now out of use until this tank is drained.

When the water tank is empty, the same symbol (*as full tank septic condition*) will appear on the DID (“*Driver Information Display*”) and the “occupied” lamp will illuminate with signal.

The toilet is now out of use until this tank is refilled.



W0120406

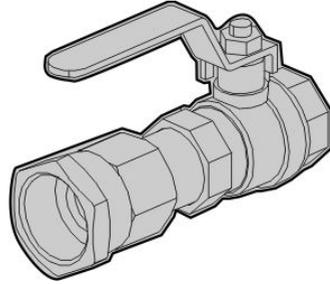
Symbol shown on the driver display.

6 Toilet operation

Filling and draining of the tanks

Water tank filling

To fill the water tank, use the hose connector located in the septic tank compartment.

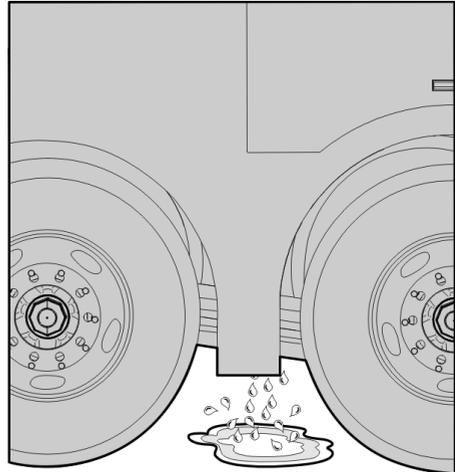


W0120407

Hose connector in the septic tank compartment.

You will notice that the water tank is full when the vent pipe starts to leak.

Note: Pay attention to the leaking of the vent pipe in order to avoid waste of water.

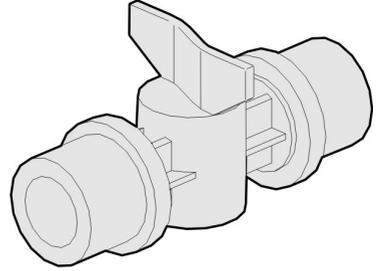


W0120408

Water spilled from the vent valve.

Water tank draining

To drain the water tank, use the draining valve located behind the septic tank.



W0119194

Water tank draining valve.

Septic tank draining

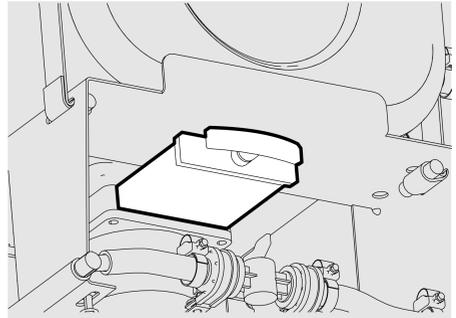
To drain the septic tank, firmly pull-on the draining valve handle located underneath the tank.

Pull-in the draining valve by it handle to close.



CAUTION

After draining, make sure that the septic tank draining valve is closed to avoid spill the waste liquids over the road during the trip.



W0140348

Septic tank draining valve.

8 Toilet operation

Cubicle door lock operation

On the exterior door lock, turn the handle (*in any sense*) to open **(A)**.

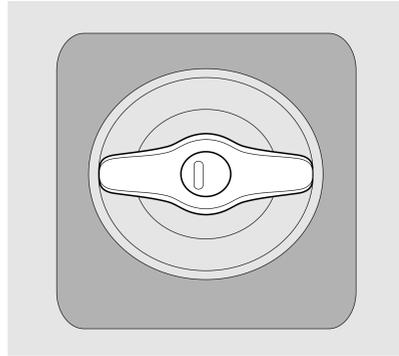
On the interior door lock, turn downwards the door lock knob to open.

Turn upwards the door lock knob to block the cubicle door to avoid someone can open from the exterior **(B)**.

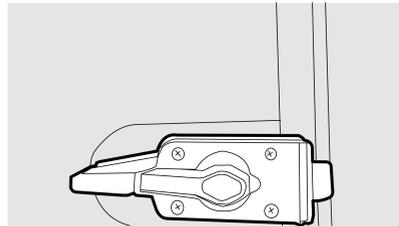
The door lock knob in this last position, active the toilet occupied signal (*refer to following section: "Signals of toilet occupied/vacant", page 9*).

The door lock knob in middle position keep unlock the cubicle door.

The cubicle door can be locked with a key, refer to following section: "Toilet cubicle keys", page 4, in this present operating instructions.



(A) Exterior cubicle door lock handle.

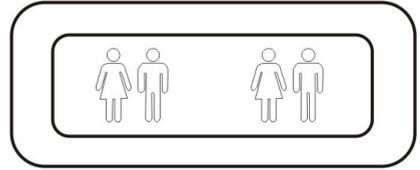


(B) Interior cubicle door lock knob.

Signals of toilet occupied/vacant

Signals outside the toilet

The indicator lamp outside the toilet indicates whether the toilet is occupied (*red*) or vacant (*green*).



T0015272

Toilet cubicle indicator lamp.

Signals in the dashboard

There is also an occupied symbol in the driver display on the dashboard. When the toilet is vacant, there is no signal.



T8061456

Occupied symbol shown in the driver display.

Signals in the passenger information display

In this display, the occupied signal is “WCX”, while the vacant signal is WC with a man and a woman.



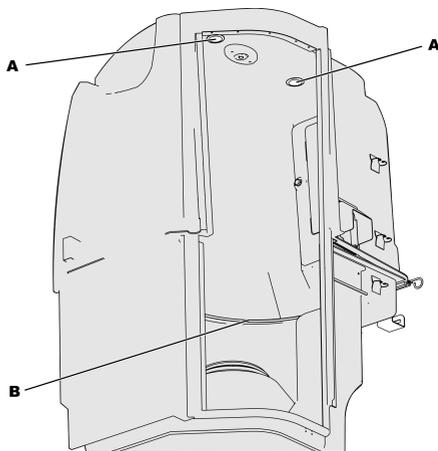
W0120414

Passenger information display message showed.

10 Toilet operation

Interior light

The spot lamps (A) and the ambient light (B) will turn ON when the cubicle is occupied and turn OFF when it is vacated.



W0140302

Toilet cubicle interior lights.

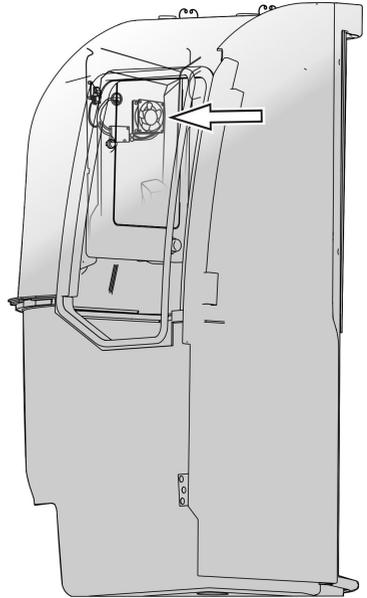
(A) Spot lamps.

(B) Ambient light.

Extractor fan

The extractor fan runs at half speed when the cubicle is vacant and switches to full speed when it is occupied.

Note: The extractor fan is installed behind the mirror door.



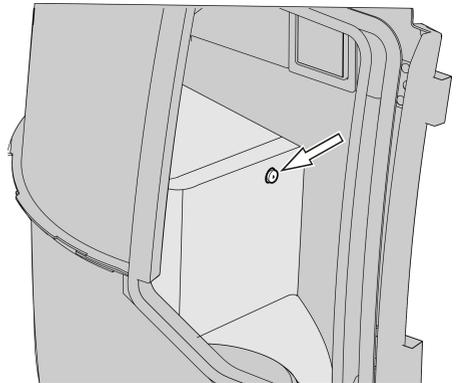
W0140303

Toilet cubicle extractor fan.

Emergency alarm

When the alarm button is pressed, the toilet user will hear a buzzer.

In the dashboard, it can be seen the toilet occupied signal blinking.



W0140304

Toilet cubicle emergency alarm button.

12 Cleaning and hygiene

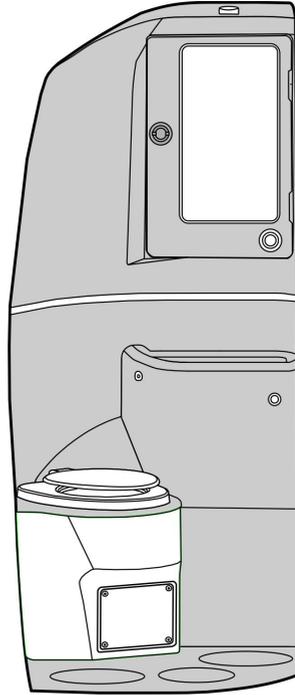
Cubicle and toilet bowl

To clean the cubicle, use a mild detergent.
For the toilet bowl, use a mild anti-bacterial
detergent and a soft brush.



CAUTION

Do not use abrasives of any kind to clean
the cubicle or the toilet bowl, since they
will damage the surfaces.



W0140305

Toilet cubicle and bowl.

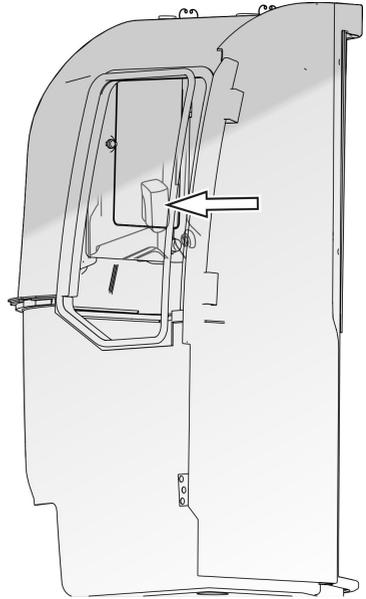
Gel dispenser

The gel dispenser is located behind the mirror door (A).

To fill the dispenser do the following steps:

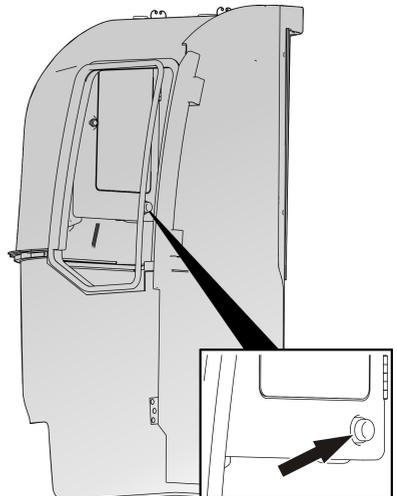
- 1 Open the mirror door.
- 2 Open the dispenser, using the special dispenser key (*refer to following section: "Toilet cubicle keys", page 4*).
- 3 Fill it with antibacterial gel.
- 4 Close the dispenser and the mirror door.

To gel stock up, just press the button located on the mirror door (B).



W0140306

(A) Toilet gel dispenser.



W0140324

(B) Gel dispenser dossier button.

14 Cleaning and hygiene

Trash bin

It is recommended to cover the trash bin with a plastic bag in order to facilitate its emptying and keep it clean and free of odor.

Note: Do not throw the toilet paper used into the trash bin.

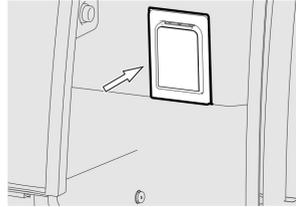
The trash bin is not designed for this purpose.

To replace the plastic bag from the trash bin, do the following steps:

- 1 Remove the trash bin cover fixing screws (A).

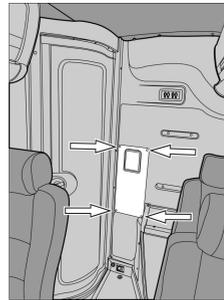
Note: The cover is located at the rear of passengers aisle (*beside the toilet*).

- 2 Remove the cover (B).
- 3 Replace the bag.
- 4 Install the trash bin cover, tightening firmly it's fixing screws.



W0140307

Toilet trash bin lid at the cubicle interior.



W0140326

(A) Trash bin cover fixations.
At the end of the passengers aisle.



W0140327

(B) Trash bin cover.

Toilet paper dispenser

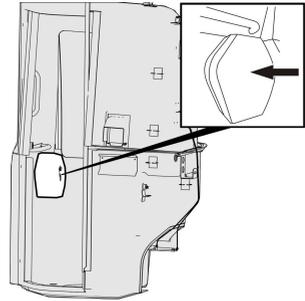
The toilet paper used must be placed in the toilet bowl, so it is recommended to use only highly biodegradable toilet paper.

	<p>CAUTION</p>
<p>Do not use domestic grade toilet paper, since it could block the system.</p>	

To replace the toilet paper roll , do the following steps:

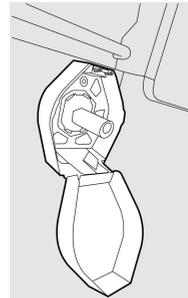
- 1 Open the paper dispenser using the special dispenser key (*refer to following section: "Toilet cubicle keys", page 4*).
- 2 Swivel down the paper dispenser lid (A).
- 3 Replace the paper roll.
- 4 Close the paper dispenser by swivel up and pressing the lid.

Note: The toilet paper dispenser has a paper roll turner of **40 mm** of diameter (B). Please, use a paper rolls that accomplish this specification.



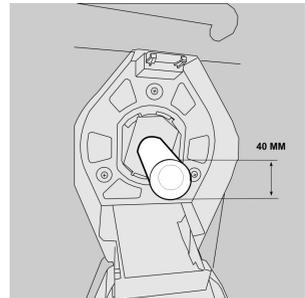
W0140308

Toilet paper dispenser.



W0140328

(A) Toilet paper dispenser, lid open.



W0140309

(B) Paper dispenser roll turner dimensions.

16 Maintenance

Daily routine maintenance

Daily routine

Prior to the vehicle entering service, the septic tank should be charged with an additive to sanitize it. To apply the additive:

- 1 Ensure that the septic tank is empty.
- 2 Check that the draining valve is closed.
- 3 Check that the water tank is full.
- 4 Turn ON the toilet switch (see “Activation of the cubicle”, page 5).
- 5 Drop the additive into the bowl and press the flush button.

Note:

- (1) Use the quantity of additive recommended by the supplier.
- (2) It is recommended that the tanks are empty at the end of each day.

Weekly routine maintenance***Weekly routine***

Check the operation and/or appearance of the following:

- Extractor fan.
- Doors hinges.
- Toilet seat.
- Doors locks.
- Gel dispenser.
- Toilet paper dispenser.
- Lights.
- Alarm button.
- Electrical and plumbing connections behind the mirror door.

18 Maintenance

Winterization

If the vehicle is to be parked in zero or sub-zero temperatures, it is imperative that the tanks are completely drained.

During winter months (*temperatures below 0 °C or 32 °F*), you should place non-toxic propylene glycol in both the water and the septic tanks, in order to prevent freezing.

Note:

- (1) Use the proportion of propylene glycol recommended by the supplier. The capacity of the tanks are **110 liters** for the water tank and **100 liters** for the septic tank.
- (2) No warranty claims will be accepted on any winter damaged parts.



CAUTION

Do not use ethylene glycol instead of propylene glycol.
Ethylene glycol can damage some rubber components.



WARNING

Do not use automotive antifreeze instead of propylene glycol.
The automotive antifreeze uses to be toxic, and can cause health problems.

A

Activation..... 5
 Additive..... 16
 Aid..... 1
 Alarm..... 2–3, 11, 17
 Appearance..... 17

B

Bag..... 14
 Bin..... 3, 14
 Biodegradable..... 15
 Block..... 15
 Booklet..... 1
 Bowl..... 2–3, 12, 15–16
 Brush..... 12
 Button..... 11, 16–17
 Buzzer..... 11

C

Cleaning and hygiene..... 12
 Compartment..... 6
 Components..... 1
 Condition..... 1
 Connections..... 17
 Cover..... 14
 Cubicle..... 3–5, 8, 11–12
 Cycle..... 5

D

Daily..... 16
 Dashboard..... 5, 9
 Decals..... 3
 Detergent..... 12
 Dispensaries..... 4
 Dispenser..... 2–3,
 13, 15, 17
 Display..... 5, 9
 Door..... 8
 Doors..... 17
 Drain..... 7
 Drained..... 5
 Draining..... 6–7, 16
 Driver’s..... 1

E

Emergency..... 1, 11
 Ensure..... 1
 Equipment..... 1
 Exhaust..... 1
 Extinguishers..... 1
 Extractor..... 11, 17

F

Fan..... 11, 17
 Filling..... 6
 Flush..... 3, 5, 16
 Flushing..... 5
 Freezing..... 18
 Fuel..... 1

G

Gel..... 13
 General..... 2
 Glycol..... 18

H

Handle..... 7
 Hinges..... 17

I

Indicator..... 9
 Information..... 7
 Intended..... 1
 Introduction..... 1

K

Key..... 13, 15
 Keys..... 4

L

Lamp..... 2
 Leak..... 6

20 Index

Leaks..... 1
Lid..... 4, 15
Light..... 10
Lock..... 3, 8
Locks..... 17

M

Maintenance..... 16
Maintenance..... 1, 16–17
Mirror..... 2, 13

O

Occupied..... 5, 9–10
Operate..... 1

P

Paper..... 15, 17
Passengers..... 1
Plumbing..... 17
Properly..... 1
Propylene..... 18

R

Refilled..... 5
Replace..... 15
Responsibility..... 1
Roll..... 15
Routine..... 16–17

S

Safety..... 7, 1
Sanitize..... 16
Seat..... 2, 17

Septic..... 5–7, 16, 18
Service..... 1, 16
Signals..... 9
Smoking..... 3
Special..... 4, 13, 15
Spot..... 2, 10
Switch..... 5
Symbol..... 5
Symbols..... 5

T

Tank..... 5–7, 16
Tanks..... 6
Temperatures..... 18
Toilet operation..... 5
Toilet..... 1–2, 5, 9
Trash..... 14

U

Unexpected..... 1

V

Vacant..... 9
Vacated..... 5, 10
Valve..... 7, 16
Vent..... 6
View..... 2

W

Warnings..... 1
Water..... 5–7, 16
Weekly..... 17
Winter..... 18
Winterization..... 18

VOLVO

Volvo Bus Corporation

Göteborg, Sweden