



**PREVOST**

# **OWNER'S MANUAL**

X3-45 VIP





# PREVOST®

## OWNER'S MANUAL



PA1638  
September 2019

# PA1638

## Featuring:

- New front and rear aerodynamic design
- New side window design with all emergency exit system
- New flush mount windshield aerodynamic extrusion
- New driver blind
- New overhead compartment design
- New head light design

First edition: September 2019, Model-year 2020 starting from vehicle L-6292

REV	EFFECTIVE	DESCRIPTION	DATE
0	First Release		Sept 2019

**INTRODUCTION**

**IMPORTANT INFORMATION** ..... **X**  
**COMPLIANCE** ..... **XI**  
STATE OF CALIFORNIA PROPOSITION 65 ..... **XI**  
**CRITICAL EMISSION-RELATED MAINTENANCE** ..... **XII**  
**DATA LOGGING** ..... **XIII**  
EVENT DATA RECORDING DEVICES ..... **XIII**  
ELECTRONIC LOGGING DEVICE (ELD) ..... **XIV**  
TELEMATICS DEVICE ..... **XV**  
OWNERSHIP OR ADDRESS HAS CHANGED ..... **XV**

**SECTION 1**

**SAFE OPERATING PRACTICES** ..... **2**  
**DEFENSIVE DRIVING PRACTICES** ..... **2**  
**OTHER PRECAUTIONS** ..... **3**

**SECTION 2**

**EXTERIOR VIEW** ..... **2**  
**ENGINE COMPARTMENT COMPONENTS WITH DRIVER'S A/C** ..... **6**  
**ENGINE COMPARTMENT CURBSIDE DOOR** ..... **8**  
**ENGINE COMPARTMENT REAR DOOR** ..... **8**  
**EXHAUST AFTERTREATMENT SYSTEM ACCESS DOOR** ..... **9**  
**MAIN POWER COMPARTMENT** ..... **9**  
**ENGINE RADIATOR DOOR** ..... **11**  
**SCR CATALYTIC CONVERTER ACCESS HATCH** ..... **11**  
**CONDENSER COMPARTMENT (A/C)** ..... **12**  
**EVAPORATOR COMPARTMENT** ..... **12**  
**FRONT ELECTRICAL AND SERVICE COMPARTMENT** ..... **13**  
**BAGGAGE COMPARTMENTS** ..... **14**  
**RECLINING BUMPER COMPARTMENT** ..... **15**  
**FUEL AND DIESEL EXHAUST FLUID (DEF) FILLER DOOR** ..... **15**  
**ENTRANCE DOOR** ..... **16**  
OUTDOOR OPERATION ..... **16**  
INSIDE OPERATION ..... **16**  
**KEYLESS ENTRY SYSTEM** ..... **16**  
**EXTERIOR REAR-VIEW MIRRORS** ..... **16**  
**BACK-UP CAMERA** ..... **17**  
**120-VOLT CONNECTOR** ..... **17**  
**TRAILER HITCH** ..... **17**  
TRAILER HITCH LOAD ..... **18**

**SECTION 3**

**DRIVER'S "DELIVERY" SEAT** ..... **2**  
**DRIVER AND CO-PILOT SEAT-ISRI** ..... **2**  
PNEUMATIC ISRI SEAT ..... **2**  
ELECTRICAL ISRI SEAT ..... **2**  
**DRIVER SEAT BELT** ..... **3**  
**STEERING WHEEL ADJUSTMENT** ..... **4**  
**DRIVER'S WINDOW SHADES** ..... **4**  
**INSIDE MIRROR** ..... **4**  
**ADJUSTABLE HVAC REGISTERS** ..... **4**  
**WINDOWS** ..... **5**  
DRIVER'S POWER WINDOW ..... **5**  
FIXED WINDOWS ..... **5**  
AWNING WINDOWS ..... **5**

SLIDING WINDOWS .....	5
<b>SECTION 4</b>	
<b>DRIVER'S AREA OVERVIEW .....</b>	<b>3</b>
<b>KEYS .....</b>	<b>4</b>
REMOTE ENTRY TRANSMITTER .....	4
ENTRANCE DOOR KEY .....	4
EXTERIOR COMPARTMENT KEY .....	4
UTILITY COMPARTMENT KEY .....	4
FUEL FILLER DOOR KEY (OPTION) .....	5
<b>IGNITION SWITCH .....</b>	<b>5</b>
ACCESSORIES .....	5
OFF .....	5
ON .....	5
START .....	5
<b>FOOT-OPERATED CONTROLS .....</b>	<b>6</b>
BRAKE PEDAL .....	6
ACCELERATOR PEDAL .....	6
STEERING WHEEL ADJUSTMENT UNLOCK AIR VALVE .....	6
<b>STEERING COLUMN CONTROLS .....</b>	<b>7</b>
MULTI-FUNCTION LEVER .....	7
STEERING WHEEL CONTROLS .....	8
HORNS .....	10
TRANSMISSION RETARDER .....	10
<b>LATERAL CONTROL PANEL .....</b>	<b>11</b>
TRANSMISSION CONTROL PAD .....	11
CONTROL SWITCHES .....	11
MIRROR CONTROLS .....	12
LEVEL LOW SYSTEM .....	12
PARKING BRAKE CONTROL VALVE .....	13
TAG AXLE CONTROL VALVE .....	13
12-VOLT APPLIANCES SOCKET .....	14
TRAILER AIR SUPPLY CONTROL VALVE (OPTION) .....	14
UTILITY COMPARTMENT .....	14
ASHTRAY .....	14
CIGAR LIGHTER .....	14
<b>DASHBOARD .....</b>	<b>15</b>
<b>CONTROL SWITCHES .....</b>	<b>16</b>
L.H. DASHBOARD PANEL .....	16
R.H. DASHBOARD PANEL .....	19
HVAC CONTROL UNIT .....	20
AIR REGISTERS .....	22
<b>INSTRUMENT CLUSTER .....</b>	<b>23</b>
DRIVER INFORMATION LEVELS .....	24
ANALOG INDICATORS .....	25
TELLTALE LIGHTS .....	29
STOP, CHECK AND INFORMATION TELLTALE LIGHTS .....	32
DRIVER INFORMATION DISPLAY .....	32
PICTOGRAMS DISPLAYED ON THE DRIVER INFORMATION DISPLAY (DID) .....	35
<b>ON BOARD DIAGNOSTIC TOOL RECEPTACLE .....</b>	<b>44</b>
<b>AUTOMATIC FIRE DETECTION AND SUPPRESSION SYSTEM (AFSS) .....</b>	<b>44</b>
PROTECTION PANEL .....	44
<b>CRUISE CONTROL .....</b>	<b>44</b>
TURNING THE SYSTEM ON .....	44
SETTING A CRUISING SPEED .....	45
<b>PREVOST AWARE ADAPTIVE CRUISE BRAKING .....</b>	<b>46</b>
TURNING THE ACB SYSTEM ON .....	47

TURNING OFF THE ACB SYSTEM .....	47
MAINTAINING A SET FOLLOWING DISTANCE .....	47
DRIVER WARNINGS .....	48
DASHBOARD TELLTALE .....	48
SPEEDOMETER LED .....	48
FOLLOWING DISTANCE ALERT (FDA) .....	48
IMPACT ALERT .....	49
BRAKE OVERUSE WARNING .....	49
FOLLOWING DISTANCE ALERT .....	50
IMPACT ALERT .....	50
BRAKE OVERUSE WARNING .....	50
SELF-DIAGNOSTIC AT START-UP .....	51
SYSTEM MALFUNCTION .....	51
<b>TIRE PRESSURE MONITORING SYSTEM (TPMS) .....</b>	<b>51</b>
ON-SCREEN TPMS VERSION .....	51
SYSTEM MALFUNCTION .....	54
<b>ALLISON TRANSMISSION .....</b>	<b>55</b>
OPERATION .....	55
PUSHBUTTON SHIFT SELECTOR .....	55
PRIMARY AND SECONDARY SHIFT SCHEDULES .....	55
TRANSMISSION SERVICE INDICATOR .....	56
DESCRIPTION OF AVAILABLE RANGES .....	56
<b>TOWING RECOMMENDATIONS .....</b>	<b>57</b>
 <b>SECTION 5</b>	
<b>EXHAUST AFTERTREATMENT SYSTEM .....</b>	<b>3</b>
FILTRATION AND REGENERATION UNIT .....	3
PASSIVE REGENERATION .....	3
ACTIVE REGENERATION .....	3
STATIONARY (PARKED) REGENERATION .....	3
DEF CLOGGING SEQUENCE – INSTRUMENT CLUSTER TELLTALE LIGHT .....	4
SELECTIVE CATALYTIC REDUCTION UNIT .....	5
DRIVER WARNING AND INDUCEMENT MEASURES .....	7
<b>DRIVER INFORMATION DISPLAY (DID) MENUS .....</b>	<b>11</b>
GAUGES .....	12
FUEL DATA .....	13
TIME/DISTANCE .....	14
VEHICLE MESSAGES .....	15
RESET TRIP DATA .....	15
DISPLAY SETTINGS .....	15
DIAGNOSTICS MENU .....	18
PRE-TRIP ASSISTANCE (OPTION) .....	19
DATA LOG .....	21
AFTERTREATMENT .....	22
PASSWORD .....	23
PREVOST LIAISON (OPTION) .....	23
<b>INTELLIGENT SLEEP MODE (ISM) .....</b>	<b>25</b>
<b>TRANSMISSION RETARDER .....</b>	<b>25</b>
<b>ENGINE BRAKE .....</b>	<b>25</b>
VOLVO ENGINE BRAKE (VEB) .....	26
CRUISE CONTROL AND ENGINE BRAKE .....	26
<b>ABS, TRACTION CONTROL SYSTEM (TCS) &amp; ELECTRONIC STABILITY CONTROL (ESC) .....</b>	<b>27</b>
ANTILOCK BRAKING SYSTEM (ABS) .....	27
TRACTION CONTROL SYSTEM (TCS) .....	27
ELECTRONIC STABILITY CONTROL (ESC) .....	27
<b>DRIVER CONTROLLED DIFFERENTIAL LOCK (DCDL) .....</b>	<b>28</b>
OPERATION TIPS .....	28

## iv - Table of contents

---

LOCKING THE DCDL .....	29
UNLOCKING THE DCDL .....	29
<b>RETRACTABLE TAG AXLE .....</b>	<b>29</b>
<b>VARIABLE ASSISTANCE STEERING GEAR (OPTIONAL) .....</b>	<b>29</b>
<b>KEYLESS ENTRY SYSTEM .....</b>	<b>29</b>
KEYLESS OPERATING INSTRUCTIONS .....	30
PROGRAMMING AND MANAGING PERSONAL CODES .....	30
REMOTE ENTRY TRANSMITTER .....	31
PROGRAMMING TRANSMITTERS .....	32
<b>SLIDE-OUT OPERATION .....</b>	<b>32</b>
SAFETY PRECAUTIONS .....	32
FRONT AND REAR SLIDE-OUT OPERATION .....	32
SLIDE-OUT MANUAL OVERRIDE PROCEDURE .....	33
SLIDE-OUT TROUBLESHOOTING .....	36
SLIDE-OUT TROUBLESHOOTING TABLE .....	38
<b>SECTION 6</b>	
<b>STARTING THE ENGINE .....</b>	<b>2</b>
STARTING FROM THE DRIVER'S SEAT .....	2
STARTING FROM THE ENGINE COMPARTMENT .....	3
COLD WEATHER STARTING .....	4
JUMP STARTING .....	4
<b>ENGINE PROTECTION SYSTEM .....</b>	<b>5</b>
AUTOMATIC ENGINE SHUTDOWN .....	6
<b>IDLE SHUTDOWN TIMER .....</b>	<b>6</b>
<b>ENGINE BLOCK HEATER .....</b>	<b>6</b>
<b>ENGINE WARM-UP .....</b>	<b>7</b>
<b>ALLISON TRANSMISSION WARM-UP .....</b>	<b>7</b>
<b>STARTING THE VEHICLE AFTER A FIRE ALARM .....</b>	<b>7</b>
<b>SECTION 7</b>	
<b>EMERGENCY EXITS .....</b>	<b>2</b>
ELECTRIC AWNING WINDOW .....	2
ELECTRIC SLIDING WINDOW .....	2
FIXED WINDOW .....	2
<b>EMERGENCY EQUIPMENT .....</b>	<b>2</b>
FIRE EXTINGUISHERS .....	2
FIRST-AID KIT .....	2
WARNING REFLECTORS .....	2
JACK AND TOOLS .....	3
SPARE PARTS KIT .....	3
AUTOMATIC FIRE SUPPRESSION SYSTEM (AFSS) .....	3
TIRE PRESSURE MONITORING SYSTEM .....	4
<b>CHANGING WHEEL .....</b>	<b>7</b>
<b>EMERGENCY AIR-FILL VALVES .....</b>	<b>7</b>
<b>EMERGENCY AND PARKING BRAKES .....</b>	<b>8</b>
<b>VEHICLE JACKING POINTS .....</b>	<b>8</b>
HYDRAULIC JACK .....	8
<b>TOWING THE VEHICLE .....</b>	<b>8</b>
<b>DAYTIME RUNNING LIGHTS .....</b>	<b>9</b>
<b>FOG LIGHTS .....</b>	<b>9</b>
<b>CORNERING AND DOCKING LIGHTS .....</b>	<b>9</b>
<b>COMPARTMENT LIGHTING .....</b>	<b>9</b>
<b>MUD FLAPS AND SPLASH GUARDS .....</b>	<b>9</b>
<b>BACK-UP CAMERA .....</b>	<b>9</b>
<b>BACK-UP ALARM .....</b>	<b>9</b>
BACK-UP ALARM CANCEL SWITCH .....	9



<b>ESSENTIAL FUNCTIONS TO OPERATE THE VEHICLE (BASIC LIMP-HOME FUNCTIONS)</b>	<b>10</b>
AVAILABLE FUNCTIONS .....	10
<b>SECTION 8</b>	
<b>CLEANING</b> .....	<b>3</b>
SEAT UPHOLSTERY .....	3
PLASTIC AND VINYL .....	4
WINDOWS .....	4
STAINLESS STEEL .....	4
HIGH PRESSURE LAMINATE .....	4
RUBBER COMPONENTS .....	4
FLOOR CLEANING .....	4
EXTERIOR SURFACES .....	4
WINDSHIELD .....	5
<b>FLUID LEVEL VERIFICATION</b> .....	<b>5</b>
ENGINE OIL LEVEL .....	5
TRANSMISSION FLUID LEVEL .....	6
POWER STEERING FLUID LEVEL .....	7
DRIVE AXLE WHEEL BEARING OIL LEVEL .....	7
FRONT AND TAG AXLE WHEEL HUBS .....	7
COOLANT FLUID LEVEL .....	8
WINDSHIELD WASHER & HEADLIGHTS WASHER RESERVOIRS .....	9
<b>OTHER VERIFICATIONS</b> .....	<b>9</b>
ELECTRIC COOLING FANS .....	9
AIR TANK PURGE .....	9
FIRE EXTINGUISHERS .....	10
PRIMARY FUEL FILTER .....	10
DRIVER'S A/C COMPRESSOR BELT .....	11
CENTRAL A/C COMPRESSOR BELTS .....	11
ALTERNATOR DRIVE BELTS .....	12
BACK-UP CAMERA .....	12
AIR FILTER RESTRICTION INDICATOR .....	12
A/C AND HEATING SYSTEM AIR FILTERS .....	12
HOSE INSPECTION .....	13
LUBRICATION .....	13
WHEELS AND TIRES .....	13
WHEEL BEARINGS .....	14
SERVICE BRAKE TEST .....	14
PARKING BRAKE TEST .....	14
EXTERIOR LIGHTING VERIFICATION WITH TEST MODE .....	14
<b>GENERAL RECOMMENDATIONS</b> .....	<b>17</b>
<b>WALK-AROUND INSPECTION (BEFORE EVERY TRIP)</b> .....	<b>20</b>
APPROACHING THE VEHICLE .....	20
PREPARATION .....	20
STEP 1: RIGHT SIDE .....	20
STEP 2: ENGINE COMPARTMENT RIGHT SIDE AREA .....	21
STEP 3: ENGINE COMPARTMENT .....	21
STEP 4: REAR LEFT SIDE .....	21
STEP 5: FRONT LEFT SIDE .....	21
STEP 6: FRONT .....	22
STEP 7: FRONT RIGHT SIDE .....	22
STEP 8: INSIDE THE VEHICLE .....	22
WITH ENGINE RUNNING .....	22
<b>SECTION 9</b>	
<b>DIMENSIONS AND WEIGHTS</b> .....	<b>3</b>
<b>CAPACITIES</b> .....	<b>5</b>

## vi - Table of contents

---

<b>TURNING RADIUS</b> .....	<b>5</b>
<b>FUEL TYPE</b> .....	<b>7</b>
BIODIESEL FUEL .....	7
<b>WHEELS AND TIRES</b> .....	<b>7</b>
RECOMMENDED TIRE INFLATION PRESSURE AT MAXIMUM COLD LOAD .....	7
<b>BELTS</b> .....	<b>8</b>
<b>VOLVO D13 ENGINE</b> .....	<b>8</b>
<b>ALLISON TRANSMISSION</b> .....	<b>8</b>
X3-45 VIP MOTORHOMES .....	8
X3-45 VIP FOR COMMERCIAL USE .....	8
GEAR RATIOS .....	8
<b>PROPELLER SHAFT</b> .....	<b>9</b>
<b>BRAKES</b> .....	<b>9</b>
BRAKE CHAMBER EFFECTIVE AREA .....	9
<b>AIR SYSTEM</b> .....	<b>9</b>
<b>ANTILOCK BRAKING SYSTEM (ABS)</b> .....	<b>9</b>
TROUBLESHOOTING AND TESTING .....	9
<b>AUTOMATIC TRACTION CONTROL (ATC) – ELECTRONIC STABILITY CONTROL (ESC)</b> ..	<b>9</b>
<b>STEERING</b> .....	<b>10</b>
<b>ELECTRICAL SYSTEM</b> .....	<b>10</b>
<b>AXLES</b> .....	<b>10</b>
FRONT AXLE - INDEPENDENT FRONT SUSPENSION (IFS) .....	10
DRIVE AXLE .....	10
TAG AXLE .....	10
<b>SUSPENSION</b> .....	<b>10</b>
INDEPENDENT FRONT SUSPENSION .....	10
DRIVE AXLE (ALL) .....	11
TAG AXLE .....	11
<b>ALIGNMENT SPECIFICATIONS</b> .....	<b>11</b>
<b>COOLING SYSTEM</b> .....	<b>11</b>
<b>FUEL SYSTEM</b> .....	<b>12</b>
<b>EXHAUST SYSTEM</b> .....	<b>12</b>
<b>HEATING AND AIR CONDITIONING</b> .....	<b>12</b>
<b>OIL SPECIFICATIONS</b> .....	<b>13</b>
ENGINE .....	13
ALLISON TRANSMISSION .....	13
DIFFERENTIAL .....	13
POWER STEERING RESERVOIR .....	13
<b>PLATES AND CERTIFICATION</b> .....	<b>13</b>
SAFETY CERTIFICATION .....	14
DOT CERTIFICATION PLATE .....	14
<b>EPA ENGINE LABEL</b> .....	<b>14</b>
<b>VEHICLE IDENTIFICATION NUMBER (VIN)</b> .....	<b>15</b>
VIN DEFINITION .....	16
<b>COACH FINAL RECORD</b> .....	<b>17</b>
 <b>ABBREVIATIONS</b>	
 <b>APPENDIX A</b>	
<b>SERVICE LITERATURE</b> .....	<b>2</b>
<b>NOTICE</b> .....	<b>2</b>
DECLARATION OF THE MANUFACTURING DEFECTS TO THE GOVERNMENT OF THE UNITED STATES .....	2
DECLARATION OF THE MANUFACTURING DEFECTS TO THE CANADIAN GOVERNMENT DECLARATION OF THE MANUFACTURING DEFECTS TO PREVOST .....	3
 <b>APPENDIX B</b>	
<b>MULTIPLEX TROUBLESHOOTING GUIDE</b> .....	<b>2</b>

**APPENDIX C**

**OIL LEVEL CHECK USING THE PUSHBUTTON SHIFT SELECTOR** ..... 2

**CONTROL SYSTEM PROGNOSTICS** ..... 2

    NORMAL PROGNOSTICS INDICATION AT ENGINE START ..... 3

    OIL LIFE MONITOR ..... 3

    FILTER LIFE MONITOR ..... 4

    TRANSMISSION HEALTH MONITOR ..... 4

**DIAGNOSTIC TROUBLESHOOTING CODES (DTC) — ALLISON 5TH GENERATION CONTROLS** ..... 7

    DIAGNOSTIC TROUBLESHOOTING CODES (DTC) OVERVIEW ..... 7

    USING SHIFT SELECTOR FOR ACCESSING DIAGNOSTIC INFORMATION ..... 7

**DIAGNOSTIC CODE DISPLAY AND CLEARING PROCEDURE** ..... 8

    EXITING DIAGNOSTIC MODE ..... 8

**DIAGNOSTIC TROUBLE CODE RESPONSE** ..... 9

**DIAGNOSTIC TROUBLESHOOTING CODES (DTC) LIST - ALLISON 5TH GENERATION CONTROLS** ..... 10

**APPENDIX D**

**ON-SCREEN TPMS** ..... 2



# INTRODUCTION

**IMPORTANT INFORMATION** ..... *X*

**COMPLIANCE** ..... *XI*

    STATE OF CALIFORNIA PROPOSITION 65 ..... *XI*

**CRITICAL EMISSION-RELATED MAINTENANCE** ..... *XII*

**DATA LOGGING** ..... *XIII*

    EVENT DATA RECORDING DEVICES ..... *XIII*

    ELECTRONIC LOGGING DEVICE (ELD) ..... *XIV*

    TELEMATICS DEVICE ..... *XV*

    OWNERSHIP OR ADDRESS HAS CHANGED ..... *XV*

## **IMPORTANT INFORMATION**

This manual has been prepared to thoroughly acquaint the driver, with the equipment and features in order to fully appreciate and safely enjoy this vehicle.

Prevost is committed to the continuous improvement quality, reliability, durability and safety. With innovative features, the vehicle was designed with passenger, driver safety and comfort in mind.

This manual contains information available at the time of publication. Standard and optional equipment are covered in this manual. Therefore, some of the optional equipment described may not apply to your vehicle. In doubt, refer to the technical documentation package provided.

Driver's controls and instruments incorporate advanced technology for enhanced driving ease and security. This manual describes the main features, instruments, controls, and servicing requirements for standard and optional equipment.

Read this manual carefully to take advantage of the advanced features and to ensure optimum safety and passenger comfort.

Keep the manual in the vehicle at all times. Make sure it is kept with the vehicle when ownership is transferred. Please notify the [Prevost Warranty Support Team](#) of any change of address or transfer of ownership. This will ensure fast and reliable service to all operators.

### **NOTE**

*Illustrations in this manual are used for reference only and may differ from the actual vehicle; however, key components addressed in the manual are represented as accurately as possible.*

Warnings, cautions and notes are used throughout this manual to emphasize important points when necessary:



### **WARNING**

Directs the operator's attention to unsafe practices which could result in serious personal injury or severe damage to the vehicle.



### **CAUTION**

Directs the operator's attention to unsafe practices where personal injury is not likely but damage to vehicle components could occur.

### **NOTE**

*Indicates supplementary information essential to the proper operation of the vehicle.*


The service life of the vehicle depends on the kind of attention it receives. Pay close attention to the warnings, cautions and notes. Read the various notices and instructions posted throughout the vehicle and attached to equipment.

Continuous improvement is a primary focus at Prevost, we reserve the right to make changes anytime, without notice, and without incurring any obligation.


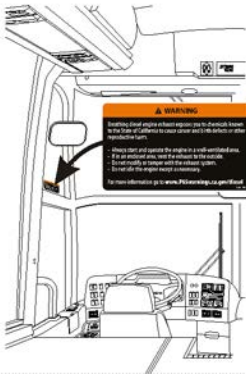

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**COMPLIANCE**

**STATE OF CALIFORNIA PROPOSITION 65**

	<h2 style="margin: 0;">WARNING</h2>
<p>Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <ul style="list-style-type: none"> <li>- Always start and operate the engine in a well-ventilated area.</li> <li>- If in an enclosed area, vent the exhaust to the outside.</li> <li>- Do not modify or tamper with the exhaust system.</li> <li>- Do not idle the engine except as necessary.</li> </ul> <p>For more information go to <a href="http://www.P65warnings.ca.gov/diesel">www.P65warnings.ca.gov/diesel</a></p>	

Proposition 65 Warning Decal on Diesel Engine Exhaust Health Hazard

<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: right; font-size: small;">18755-1</p> <div style="background-color: orange; color: white; padding: 5px; text-align: center;">  <b>WARNING</b> </div> <p style="background-color: black; color: white; padding: 5px;">Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <ul style="list-style-type: none"> <li>- Always start and operate the engine in a well-ventilated area.</li> <li>- If in an enclosed area, vent the exhaust to the outside.</li> <li>- Do not modify or tamper with the exhaust system.</li> <li>- Do not idle the engine except as necessary.</li> </ul> <p style="background-color: black; color: white; padding: 5px;">For more information go to <a href="http://www.P65warnings.ca.gov/diesel" style="color: white;">www.P65warnings.ca.gov/diesel</a></p> <p style="text-align: right; font-size: x-small;">0691001</p> </div> <p>DECAL #0691001</p> <p>This warning decal is available through Prevost Parts.</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>H3 SERIES</b></p>  </div> <div style="text-align: center;"> <p><b>X3 SERIES</b></p>  </div> </div> <p style="text-align: right; font-size: small;">18755</p> <p>Best location where to affix the decal on the vehicle.</p>
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## **CRITICAL EMISSION-RELATED MAINTENANCE**

### **Source of parts and repair:**

A repair shop or person of the owner's choosing must maintain, replace, or repair emission control devices and systems per manufacturer's recommendations.

### **Replacement of tires that are GHG certified:**

The original equipment tires installed on this vehicle at the factory were certified to the U.S. EPA Greenhouse Gas (GHG) and National Highway Traffic Safety Administration (NHTSA) Fuel Efficiency regulations. Replacement of these tires should be with a tire of equal or lower rolling resistance levels (TRRL or Crr). Please consult your tire supplier(s) for appropriate replacement tires.

### **Maintaining a GHG certified tire:**

In order to maintain the certified rolling resistance of the tires which optimize fuel economy, the maintenance procedures provide by the tire manufacturer must be followed.



## **DATA LOGGING**

### **EVENT DATA RECORDING DEVICES**

This PREVOST vehicle is equipped with a device generally referred to as an "event data recorder" or "EDR." Please note that while the term "event data recorder" is typically used throughout the motor vehicle industry, not every EDR is the same; i.e., they do not all record the same data elements.

The EDR on this PREVOST vehicle records vehicle speed, engine RPM, time and date, plus a variety of pedal and switch positions, both before and after an "event." Sudden vehicle deceleration or the occurrence of certain other vehicle operational characteristics will define (trigger) an "event."

For any questions about this vehicle EDR device, contact a PREVOST Service Center or a regional service manager.

## xiv - Introduction

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### ELECTRONIC LOGGING DEVICE (ELD)

This vehicle is equipped with a dedicated ELD interface connector located under the lower left part of the dashboard. This SAE J1939 9 PIN connector is compatible with most FMCSA approved ELD and will ensure that the ELD will not interfere with the vehicle communication, diagnostic and/or driving systems.

Please take note that **the OBD connector is only intended as a diagnostic equipment connection**. Installing an aftermarket plug-in device that uses the OBD port may cause interference and/or damage to the vehicle systems, potentially affecting safe operation.

Both connectors (OBD and ELD) are clearly identified under the dash by stickers. **The OBD port must remain unconnected at all times except during vehicle maintenance (using Prevost approved diagnostic equipment only).**

Connecting aftermarket equipment to the OBD connector may lead to:

- Incorrect emission monitoring and failure to meet the requirements of emission tests.
- Erratic behaviour of one or more of the vehicle safety devices/driving aids, increasing the risk of accidents.
- False code readings and inconsistency during vehicle diagnostic procedures, increasing vehicle down time.
- Unreliable ELD connection/recording and potential violations with the federal ELD regulations\*.

\* For more information regarding Federal ELD requirements, consult the [FMSCA](#)

### TELEMATICS DEVICE

Your vehicle is equipped with one or more recording devices (“Telematics Device”), associated with Prevost’s Connected Vehicle Services (the “Telematics Services”). These services, which are described in greater detail at [www.prevostcar.com](http://www.prevostcar.com) (the “Website”), allow you to manage vehicle maintenance and repair in a cost-effective manner by providing: proactive diagnostic and repair planning assistance with detailed analysis of diagnostic trouble codes; streamlined service procedures with parts-on-hand confirmation before a vehicle arrives for service; and live repair and customer communication. The service eliminates or reduces diagnostics time, enhances repair efficiency, expedites decision process, improves communications and maximizes uptime. To access the Telematics Services, you must enter into a Telematics Subscription Agreement with Prevost, via the sales agreement pertaining to your vehicle.

The Telematics Device collects stores and/or transmits information about your vehicle. Such information may include direction and rate of speed, fuel consumption, engine performance, gearing, rpm, altitude, geo-location (including a history of where the vehicle travels), safety information related to the use and operation of the vehicle, vehicle performance, diagnostic data and error codes. The Telematics Device has the capacity to store historical data about the use and performance of your vehicle. The Telematics Device has the ability to transmit information to a central communications system. The information contained in your Telematics Device may be periodically transmitted to or accessed by Prevost and others authorized by Prevost, along with your vehicle’s VIN number or other identifying information. Prevost does not collect any driver information. Prevost retains and uses this information to understand the operational use of your vehicle, to remotely tune your vehicle, and to help facilitate maintenance and vehicle improvements. To the extent allowed by law, Prevost reserves the right to access, use and control this information.

**Declining to enter into a Telematics Subscription Agreement with Prevost, or canceling a Telematics Subscription Agreement, will not end the transmission of data from your Telematics Device or the collection of information by Prevost. Prevost may access Telematics Data, to the extent it is available, and use it in connection with providing services and vehicle improvements to you and your vehicle. Prevost will regularly purge from its systems all data collected from your Telematics Device, at time intervals determined by Prevost at its sole discretion.**

### OWNERSHIP OR ADDRESS HAS CHANGED

If your address has changed or you are the new owner, please help us update our records. Use the link below to access the Prevost Warranty Support web page.

<http://www.prevostcar.com/parts-and-services/warranty>

Click on the link ‘Change of address or ownership’, fill the form, save it and email the file at [prevost.onlinewarranty@volvo.com](mailto:prevost.onlinewarranty@volvo.com).



# SECTION 1

SAFE OPERATING PRACTICES .....	2
DEFENSIVE DRIVING PRACTICES .....	2
OTHER PRECAUTIONS .....	3

## 1-2 Safety Precautions

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### SAFE OPERATING PRACTICES

To ensure safe and reliable operation, heed the following safety precautions.

- Operation and maintenance of the vehicle must be performed only by qualified personnel.
- Before driving, conduct a walk around inspection and check that all baggage compartment doors and equipment access doors are securely shut.
- Make sure good visibility is maintained at all times. Keep windshields clean and free of obstructions.
- Adjust the driver's seat so that all controls can be reached easily.
- Always wear your safety belt when driving.
- Check the instrument panel frequently. Do not operate the vehicle when dials or indicators do not indicate normal operating conditions.
- Always pay attention to pedestrians passing in front and behind the vehicle. Always yield to pedestrians at pedestrian walkways.
- Do not drive over obstacles on the road. Empty boxes, piles of leaves, and snowdrifts could conceal hidden dangers that could damage the vehicle suspension and underbody.
- When turning or changing lanes, signal your intention well in advance.
- When approaching to make a right turn, reduce the space between the vehicle and the curb to make sure another vehicle cannot pass on the right. Since the vehicle makes wide turns, allow enough space to make safe turns.
- Switch from high beams to low beams when meeting or following other vehicles within 500 feet (150 meters).
- Never leave the vehicle unattended with the engine running or with the key in the ignition. Turn off the engine, remove keys and apply the parking brake before leaving the vehicle.
- Shut-off the engine before refueling, adding oil, performing maintenance or servicing tasks, unless stated otherwise.

- Fuel is highly flammable and explosive. Do not smoke when refueling. Keep away from open flames or sparks.
- Do not run the engine or HVAC system with access doors left open. Close compartment doors before operating any equipment.
- Do not remove the surge tank filler cap or the cooling system pressure cap when the engine is hot. Let the engine cool down before removing filler caps.
- Do not attempt to push or pull-start the vehicle.
- The service life of the vehicle depends on the kind of maintenance it receives. Always record any problems and report them immediately to maintenance personnel. After each trip, perform a system diagnostic to check if error codes and anomalies were recorded in the vehicle electronic modules.
- Do not use the trailer hitch before reading the safety, technical and operational requirements..
- Do not use the trailer hitch before reading the safety, technical and operational requirements on page 14 of this manual.

### DEFENSIVE DRIVING PRACTICES

- For city driving, allow a four to six second travel interval between your vehicle and the vehicle ahead. Increase this travel interval to six to eight seconds for highway driving. Increase time interval for driving at night or in foul weather.
- Be prepared to stop when approaching an intersection. The stopping distance of the vehicle increases with the weight and speed.
- Establish eye-to-eye contact with other drivers and with pedestrians. Use, high beam and low beam headlights, turn signals and horn as needed.
- On highway, don't stare at the road ahead. Keep your eyes moving. Check mirrors and dashboard instruments frequently.
- To keep the vehicle from drifting across lanes during highway driving, always look over the horizon on the road ahead.
- Adjust your speed to road conditions, traffic and visibility. Never exceed the posted speed limits.

- If another vehicle is following close behind, reduce your speed to let the vehicle pass.
- For additional information about safe operation and defensive driving practices, contact the local department of motor vehicles authority.

### OTHER PRECAUTIONS



#### **WARNING**

##### CALIFORNIA PROPOSITION 65

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

Battery posts, terminals and other related accessories contain lead and lead compounds, chemical known to the State of California to cause cancer and other reproductive harm.

Batteries also contain other chemicals known to the State of California to cause cancer.

Wash hands after handling.



#### **DANGER**

Make sure that electrical current or air pressure is removed before performing any work. A part may be energized even if the ignition switch is OFF. A part may be under pressure even if all tanks are empty. Before performing any work on the vehicle, refer to wiring diagrams and/or air schematics to thoroughly understand the system.

#### **NOTE**

*When the ignition switch is set to the OFF position, the electrical components are not energized except for the MCM (Master Chassis Module), the battery equalizer, the preheater system and some electronic modules; which are energized during 15 minutes after the ignition has been set to the OFF position. Prior to working on one of these electrical components, set the battery master switch in the main power compartment to the OFF position. If the vehicle will not be operated for a long period (more than 2 weeks), it is recommended, in order to prevent the batteries from discharging, to trip the main circuit breakers located in the main power compartment to stop the small current drawn by the radio preset station memory, the MCM memory and the instrument cluster clock. Note that the radio station presets will be erased, same thing for the diagnostic codes history and the instrument cluster clock will have to be reset.*



#### **CAUTION**

**PRECAUTIONS ARE TO BE OBSERVED BEFORE WELDING TO MINIMIZE THE RISK OF MAJOR AND COSTLY DAMAGES CAUSED TO THE VEHICLE ELECTRONIC COMPONENTS!**

1. Set the battery master switch to "OFF" position.
2. Trip circuit breaker CB2 and CB6.
3. Disconnect electronic ground terminal from the ground junction block located in the battery compartment.
4. Make sure to clamp the welding ground return as close as possible to the welding point and make a good electric contact to the chassis.

Detailed instructions are provided in section 00-GENERAL of your vehicle maintenance manual.