



PREVOST®

OPERATOR'S MANUAL

X3-45 COACH

COACH MANUFACTURER

OPERATOR'S MANUAL X3-45 COACH



PA1618 rev.3

December 2017

PA1618

Featuring:

- Cooling system electric fans.
- New electrical architecture
- GHG 2017 emission control

First edition: July 2016, Model-year 2016 preliminary vehicle G-6092

REV	EFFECTIVE	DESCRIPTION	DATE
0	First Release		July 2016
1	H-6180	Telematics note added and general revision	Dec 2016
2	H-6180	Starting and Stopping : Updated Rear Start panel	June 2017
3	J-6281 / J-7482	ELD interface connector added	Dec. 2017

FOREWORD

This *Operator's Manual* for the PREVOST X3-45 coach has been prepared to thoroughly acquaint you, the driver, with the equipment and features of the coach in order for you to fully appreciate and safely enjoy this vehicle. Prevost is committed to the continuous improvement of coach quality, reliability, durability and safety. With innovative features, the X3 series coach was designed with passenger and driver safety and comfort in mind.

This manual contains information available at the time of publication. Because standard and optional equipment is covered in this manual, some of the optional equipment described may not apply to your coach. If in doubt, refer to the technical documentation package provided with the coach.

Driver's controls and instruments incorporate advanced technology for enhanced driving ease and security. This manual describes the main features, instruments and controls, and servicing requirements for both standard and optional equipment. Read this manual carefully to take advantage of the coach's advanced features and to ensure optimum safety and passenger comfort.

Keep this manual in the coach at all times. Make sure this manual is kept with the coach when ownership is transferred. Please use the appropriate card at the end of this manual to promptly notify Prevost of any change of address or transfer of ownership. This will ensure we provide fast and reliable coach service to all coach operators.

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

DANGER, WARNING, CAUTION and *NOTE* are used throughout this manual to emphasize important points when necessary:



DANGER

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



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 coach depends on the kind of attention it receives. Pay close attention to the **DANGER, WARNING, CAUTION** and *NOTE*. Read the various notices and instructions posted throughout the coach and attached to equipment.

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

Before reproducing or copying this manual, in whole or in part, written consent must be obtained from Prevost.

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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.

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.

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 (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.

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 [FMCSA](http://www.fmcsa.gov)

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ABBREVIATIONS

APPENDIX A – SERVICE LITERATURE

APPENDIX B – TROUBLESHOOTING GUIDE FOR MULTIPLEX VEHICLES

APPENDIX C – ALLISON DIAGNOSTIC TROUBLESHOOTING CODES

APPENDIX D – SPHEROS PREHEATER FLASH CODES

APPENDIX E – TPMS TROUBLESHOOTING GUIDE

