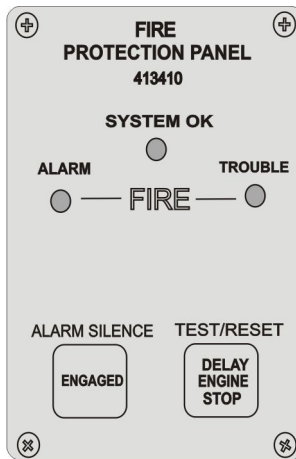


Operating Instructions

Automatic Fire Suppression System

9700 Bus



VOLVO

Foreword

This manual contains information concerning the operation and function of the Anti Fire Supression System mounted on the 9700 US/CAN.

Illustrations in this manual 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.

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 web site at www.nhtsa.dot.gov.

Volvo Bus Corporation

Göteborg, Sweden

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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 manual:



DANGER

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



WARNING

Warning indicates an unsafe practice that could result in personal injury. A warning advisory banner is in **black** type on a **gray** background with a **black** border.



CAUTION

Caution indicates an unsafe practice that could result in damage to the product. 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 for the vehicle or component to function in the manner intended.

Introduction

This booklet is intended to help the driver about how to operate properly and take care of the Automatic Fire Suppression System (AFSS).

General Information

Automatic Fire Suppression System (AFSS) provides continuous monitoring of a vehicle's hazard areas. It responds to fires fueled by diesel, gasoline, oil, lubricants and other flammable liquids. If a fire is detected, the system will alert the driver with both audible and visual alarms while immediately shutting down the ventilation system to prevent smoke from entering the passenger area. A time delay allows the driver the capability to bring the vehicle to a safe stop prior to the activation of the fire extinguisher and engine shutdown. The system can also be manually activated immediately by the driver.

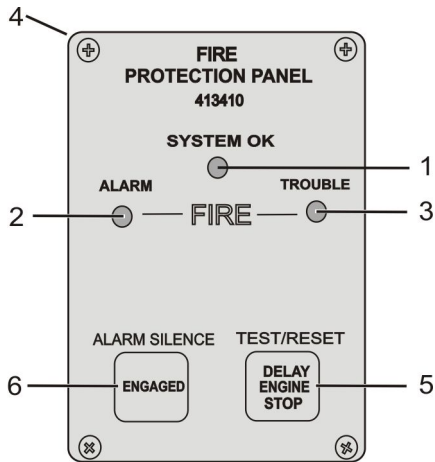
Automatic Fire Suppression System consists of three elements: Operator Controls, Detection, and Suppression.

Hazards Protected

Engine Compartment

2 System Operation

Protection Panel



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The protection panel displays the current system status. The protection panel contains:

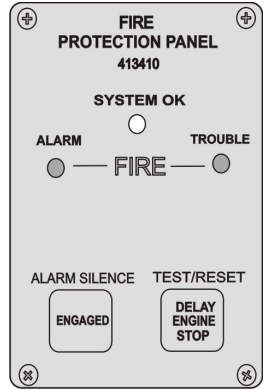
- 1 SYSTEM OK lamp
- 2 Fire ALARM lamp
- 3 TROUBLE lamp
- 4 Audio Alarm
- 5 TEST/RESET switch
- 6 ALARM SILENCE switch

Normal

The “SYSTEM OK” lamp indicates power is on the system and that there are no trouble conditions present.

Note: If battery power to the system is low, the “SYSTEM OK” lamp will blink

Depressing the “TEST/RESET” switch tests the protection panel lamps and audio alarm. The “ALARM SILENCE” switch will disable the audio alarm.



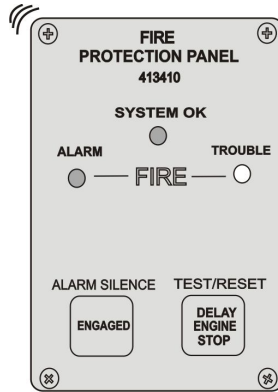
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4 System Operation

Trouble

The “TROUBLE” lamp blinks if there is a fault in the Detection Circuit due to wiring problem or sensor problem. If the fault is in the extinguisher circuitry the will illuminates solid and means that are a wiring problem or the extinguisher is discharged..

When the “TROUBLE” lamp is on, the “SYSTEM OK” lamp will be off and the audible alarm will sound intermittently.

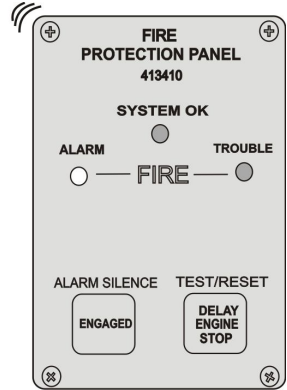


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Fire Detector Activated

When a fire detector automatically detects a fire, the audio alarm activate and the fire “ALARM” lamp illuminates solid

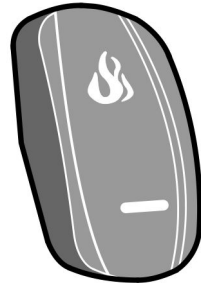
Note: If the vehicle is not safe to stop (i.e. on railtracks, in intersection) depress the DELAY ENGINE STOP button to delay 15 seconds that engine shutdowns and the extinguisher discharges; if is needed more time you need to deprees the button again and before the previous 15 seconds of delay finished.



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Delay AFSS button

If it is not possible to find quickly a safe place to stop the bus, use delay AFSS button instead of the Delay Engine Stop button (described above), then, depress the delay AFSS button to stop the activation of the system up to find a safe place to stop the bus, then press to the original position the Delay AFSS button to allow that engine stops and extinguisher discharges.



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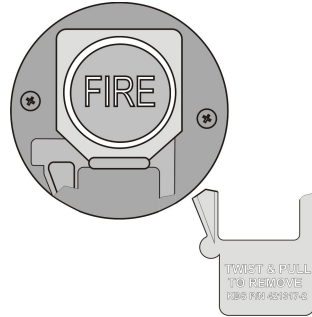
6 System Operation

Manual Activation switch

The manual activation switch allows immediate system activation (extinguisher discharge and engine shutdown) by the operator at any time.

Activation of the switch is accomplished by twisting and pulling the tamper seal to remove, lifting the cover and pressing and holding the red “FIRE” button for more than half a second.

After the manual activation switch has been activated, the fire “ALARM” lamp blinks and the audio alarm activates. The lamp will remain blinking until power is cycled to the system.



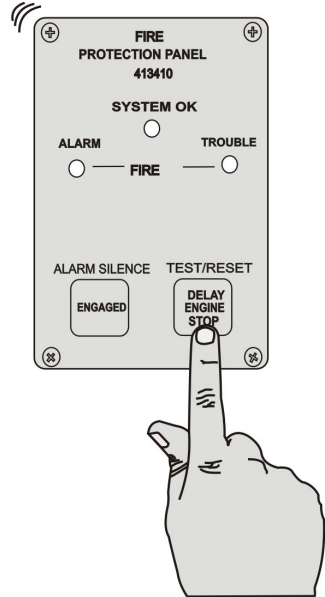
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Pre-Trip Inspection

Before starting a trip, first check the Control Panel by pressing the “TEST/RESET ”switch, and the following should occur:

- All lamps and switches should be illuminated.
- Audible Alarm should sound

As a second step, verify the tamper seal on the manual discharge switch is intact and access to the switch is unobstructed.



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