

# Operation and Maintenance Manual

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**Perkins Interlink PL542**

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## Important Safety Information

Most accidents that involve product operation, maintenance and repair are caused by failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing potentially hazardous situations before an accident occurs. A person must be alert to potential hazards. This person should also have the necessary training, skills and tools to perform these functions correctly.

**Incorrect operation, lubrication, maintenance or repair of this product can be dangerous and could result in injury or death.**

**Do not operate or perform any lubrication, maintenance or repair on this product, until you have read and understood the operation, lubrication, maintenance and repair information.**

Safety precautions and warnings are provided in this manual and on the product. If these hazard warnings are not heeded, bodily injury or death could occur to you or to other persons.

The hazards are identified by the "Safety Alert Symbol" and followed by a "Signal Word" such as "DANGER", "WARNING" or "CAUTION". The Safety Alert "WARNING" label is shown below.



The meaning of this safety alert symbol is as follows:

**Attention! Become Alert! Your Safety is Involved.**

The message that appears under the warning explains the hazard and can be either written or pictorially presented.

Operations that may cause product damage are identified by "NOTICE" labels on the product and in this publication.

**Perkins cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are, therefore, not all inclusive. You must not use this product in any manner different from that considered by this manual without first satisfying yourself that you have considered all safety rules and precautions applicable to the operation of the product in the location of use, including site-specific rules and precautions applicable to the worksite. If a tool, procedure, work method or operating technique that is not specifically recommended by Perkins is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that you are authorized to perform this work, and that the product will not be damaged or become unsafe by the operation, lubrication, maintenance or repair procedures that you intend to use.**

The information, specifications, and illustrations in this publication are on the basis of information that was available at the time that the publication was written. The specifications, torques, pressures, measurements, adjustments, illustrations, and other items can change at any time. These changes can affect the service that is given to the product. Obtain the complete and most current information before you start any job. Perkins dealers or Perkins distributors have the most current information available.



**When replacement parts are required for this product Perkins recommends using Perkins replacement parts.**

**Failure to heed this warning can lead to premature failures, product damage, personal injury or death.**

**In the United States, the maintenance, replacement, or repair of the emission control devices and systems may be performed by any repair establishment or individual of the owner's choosing.**

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## **Foreword**

### **Literature Information**

This manual should be stored in the operator's compartment in the literature holder or seat back literature storage area.

This manual contains safety information, operation instructions, and maintenance recommendations.

Some photographs or illustrations in this publication show details or attachments that can be different from your product.

Continuing improvement and advancement of product design might have caused changes to your product which are not included in this publication. Read, study and keep this manual with the product.

Whenever a question arises regarding your product, or this publication, please consult your Perkins distributor for the latest available information.

### **Safety**

The safety section lists basic safety precautions. In addition, this section identifies the text and locations of warning signs and labels used on the machine.

### **Operation**

The operation section is a reference for the new operator and a refresher for the experienced operator. This section includes a discussion of gauges, switches, product controls, attachment controls, and programming information.

Photographs and illustrations guide the operator through correct procedures of checking, starting, operating and stopping the product.

Operating techniques outlined in this publication are basic. Skill and techniques develop as the operator gains knowledge of the product and its capabilities.

### **Maintenance**

The maintenance section is a guide to equipment care.

## Safety Section

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### Safety Signs and Labels

#### **WARNING**

Do not operate or work on this equipment unless you have read and understand the instructions and warnings in the Operation and Maintenance Manuals. Failure to follow the instructions or heed the warnings could result in serious injury or death.

#### **WARNING**

Improper operation of an access platform could result in injury or death. Operators must carry out their duties properly and follow all instructions and guidelines given for the machine and access platform.

#### **WARNING**

Accidental engine starting can cause injury or death to personnel working on the equipment.

To avoid accidental engine starting and to bring the equipment to a zero energy state, disconnect all positive (+) and negative (–) battery cables. Install an appropriate battery cable lockout device and protect the battery posts to prevent accidental contact and shorting.

Place a Do Not Operate tag at the Start/Stop switch location to inform personnel that the equipment is being serviced.

#### **WARNING**

This piece of equipment is equipped with a Perkins Interlink communication device. Radio frequency devices can cause interference with electric detonators for blasting operations, which - in conjunction with other factors - can result in serious injury or death. The Perkins Interlink communication device should be deactivated within the distance mandated under applicable national or local regulatory requirements, or in the absence of any regulatory requirements, in a safe operating distance determined by a site risk assessment conducted by the end user.

## Safety Messages

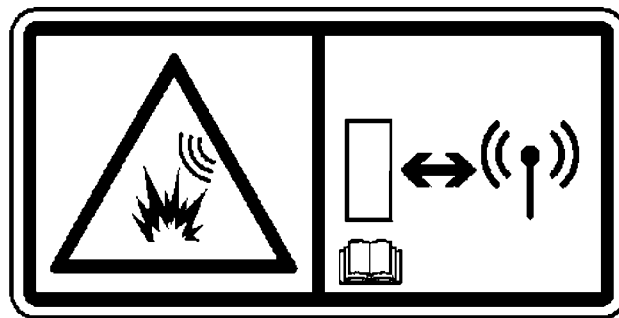


Illustration 1

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### Typical example

The warning film in Illustration 1 can be found in a location such as the dashboard or control panel. The warning film is clearly visible to the operator during the normal operation of the equipment.

## General Safety Rules

The following safety rules are to be followed:

- In the event of any problem, do not open the product and contact the nearest service laboratory.
- Keep the product away from liquids.
- In the case of strange odors, noises originating from the product, it is to be immediately disconnected from the network and the service laboratory is to be contacted.
- Prior to cleaning the product, it is to be disconnected from the network.
- Installation and maintenance are to be carried out by a qualified electrician and in accordance with the electrical regulations.

## Blast Site Safety

The blast site is defined as the area that handles explosive material during loading. Included is the perimeter that is formed by the loaded blast holes.

If required, the following are suggested methods to disable the Perkins Interlink device:

- Disconnect the Perkins Interlink device from the main power source. This action is performed by disconnecting the wiring harness at the Perkins Interlink radio.

- The PL542 contains an internal battery that cannot be turned OFF manually. If necessary, remove the PL542 from the equipment.

Consult your Perkins distributor, Perkins dealer or Original Equipment Manufacturer (OEM) if there are any questions.

## Other Films

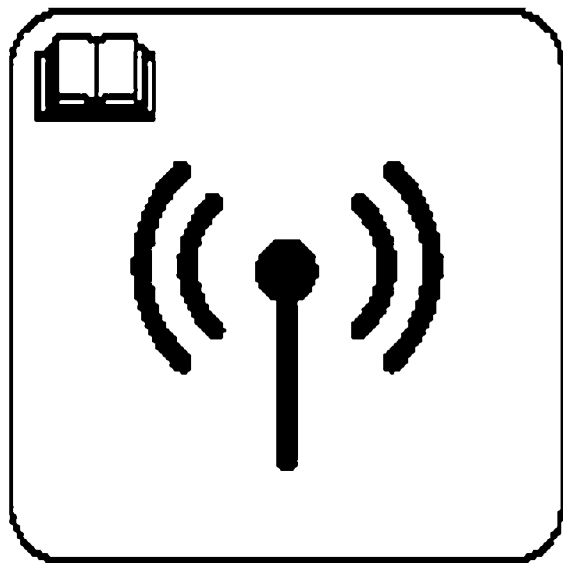


Illustration 2

g07916755

### Typical example

The film in Illustration 2 can be found in a location such as the dashboard or control panel. The warning film is clearly visible to the operator during the normal operation of the equipment.

The film in Illustration 2 is intended to inform the operator that the equipment is equipped with a wireless transmitting device. Accordingly, data concerning this equipment, the condition of the equipment, and the operation of the equipment is being transmitted by the Perkins Interlink device to Perkins and is communicated to the Perkins distributor, Perkins dealer or Original Equipment Manufacturer (OEM) by the user interface. The data is used to serve the customer better and to improve upon Perkins products and services. Transmission of information using a Perkins Interlink device is subject to legal requirements that may vary from location to location.

Refer to the Operation and Maintenance Manual, "Perkins Interlink" for additional information.

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## General Hazard Information

### **WARNING**

**Do not operate or work on this equipment unless you have read and understand the instructions and warnings in the Operation and Maintenance Manuals. Failure to follow the instructions or heed the warnings could result in serious injury or death.**

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## Foreword

This document is a supplement to the Operation and Maintenance Manual for the engine and equipment. Permanently attach this document to the Operation and Maintenance Manual for the engine and equipment.

## Introduction

This document provides information about the operation of the Perkins Interlink PL542 communication device.

Operation of the equipment and the maintenance of the equipment must not occur unless the instructions and warnings in the Operation and Maintenance Manual for the engine and equipment have been read and the instructions and the warnings are understood. The contents of this document must be understood before the equipment that is equipped with the Perkins Interlink PL542 communication device is operated.

# Regulatory Compliance Information

## Radio Frequency Components

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### Perkins Interlink

#### WARNING

This piece of equipment is equipped with a Perkins Interlink communication device. Radio frequency devices can cause interference with electric detonators for blasting operations, which - in conjunction with other factors - can result in serious injury or death. The Perkins Interlink communication device should be deactivated within the distance mandated under applicable national or local regulatory requirements, or in the absence of any regulatory requirements, in a safe operating distance determined by a site risk assessment conducted by the end user.

#### WARNING

##### Explosion Hazard!

Connecting or disconnecting a live device in an area with volatile or flammable gases may cause an explosion resulting in serious injury or death.

Internal battery is not a serviceable component.

Do not remove or replace the internal battery unless external power has been disconnected or the area is free of ignitable concentrations.

#### WARNING

##### Explosion Hazard!

Connecting or disconnecting a live device in an area with volatile or flammable gases may cause an explosion resulting in serious injury or death.

Do not disconnect the device unless external power has been disconnected or unless the area is free of ignitable concentrations.

Table 1

Model	Perkins Part Number
PL542V3	T439077 Communication Radio

**Reference:** Refer to the Operation and Maintenance Manual of your product for additional information.

### sDoC

(Simplified Declaration of Conformity)

#### European Union



Caterpillar Inc. 100 NE Adams Peoria, IL 61629 USA

Hereby, Perkins, as a part of Caterpillar Inc. declares this radio equipment is in compliance with directive "2014/53/EU". The full text of the European Declaration of Conformity is available at the following web address:

[https://www.perkins.com/en\\_GB/aftermarket/operation-maintenance-manuals.html.html#Connectivity](https://www.perkins.com/en_GB/aftermarket/operation-maintenance-manuals.html.html#Connectivity)

#### Great Britain



Caterpillar Inc. 100 NE Adams Peoria, IL 61629 USA

Hereby, Perkins, as a part of Caterpillar Inc. declares this radio equipment is in compliance with the relevant statutory requirements. The full text of the Great Britain Declaration of Conformity is available at the following web address:

[https://www.perkins.com/en\\_GB/aftermarket/operation-maintenance-manuals.html.html#Connectivity](https://www.perkins.com/en_GB/aftermarket/operation-maintenance-manuals.html.html#Connectivity)

**Perkins suggests that the Declaration of Conformity is obtained shortly after purchase.**

### Specifications

The following Perkins Interlink communication device specifications are provided to aid in conducting any related hazard assessment and to ensure compliance with all local regulations:

Table 2

Model	Voltage Range	Current Range
PL542V3	9 - 32V	850mA - 225mA

Table 3

Transmitter Specifications			
PL542V3 (Cellular Frequency)			
Uplink (MHz)	Downlink (MHz)	Band	Output Power
824-849	869-894	GSM 850 (2G)	33 dBm
880-915	925-960	GSM 900 (2G)	33 dBm
1710-1785	1805-1880	GSM 1800 (2G)	30 dBm
1850-1910	1930-1990	GSM 1900 (2G)	30 dBm
1920-1980	2110-2170	1 (3G)	24 dBm
1850-1910	1930-1990	2 (3G)	24 dBm
1710-1785	1805-1880	3 (3G)	24 dBm
1710-1755	2110-2155	4 (3G)	24 dBm
824-849	869-894	5 (3G)	24 dBm
830-840	875-885	6 (3G)	24 dBm
880-915	925-960	8 (3G)	24 dBm
830-845	875-890	19 (3G)	24 dBm
1920-1980	2110-2170	1 (4G)	23 dBm
1850-1910	1930-1990	2 (4G)	23 dBm
1710-1785	1805-1880	3 (4G)	23 dBm
1710-1755	2110-2155	4 (4G)	23 dBm
824-849	869-894	5 (4G)	23 dBm
2500-2570	2620-2690	7 (4G)	23 dBm
880-915	925-960	8 (4G)	23 dBm
699-716	729-746	12 (4G)	23 dBm
777-787	746-756	13 (4G)	23 dBm
704-716	734-746	17 (4G)	23 dBm
815-830	860-875	18 (4G)	23 dBm
830-845	875-890	19 (4G)	23 dBm
832-862	791-821	20 (4G)	23 dBm
859-894	814-849	26 (4G)	23 dBm
703-748	758-803	28 (4G)	23 dBm
2570-2620	2570-2620	38 (4G)	23 dBm
2300-2400	2300-2400	40 (4G)	23 dBm
2535-2675	2535-2675	41 (4G) <sup>(1)</sup>	23 dBm
1710-1780	2110-2200	66 (4G)	23 dBm

<sup>(1)</sup> This band is restricted in Thailand



Table 4

Radio Transmitter Specifications			
PL542V3 (WiFi Frequency)			
Uplink (MHz)	Downlink (MHz)	Band	Output Power
2401-2484	2401-2484	b	17.5 dBm
2401-2484	2401-2484	g	14.0 dBm
2401-2484	2401-2484	n	12.5 dBm

Table 5

Transmitter Specifications			
PL542V3 (BLE Frequency)			
Uplink (MHz)	Downlink (MHz)	Band	Output Power
2400	2483.5	N/A	7.5 dBm

Table 6

Transmitter Specifications			
PL542V3 (GNSS Frequency)			
Uplink (MHz)	Downlink (MHz)	Band	Output Power
N/A	1575.42 - 1610	L1	N/A

## Disclaimer Notice

### NOTICE

This Interlink device cannot be deactivated and the transmission of information from the device may be subject to various legal requirements depending on the jurisdiction in which the equipment outfitted with the device is located. These legal requirements may include, but are not limited to, radio frequency use authorization. The transmission of information from this device must be limited to those locations where all legal requirements for the use of this device and communication network have been satisfied. Note that if the equipment outfitted with this device is located in or relocated to a location where (i) the transmission of information from the device would not comply with the legal requirements of the local jurisdictional or (ii) the transmission or processing of such information across multiple locations would not be legal, Perkins disclaims any liability related to such failure to comply, and Perkins may discontinue the transmission of information from that equipment. Consult your Perkins distributor or Perkins dealer with any questions that concern the operation of this system in a specific jurisdiction.

## Certification Notice

### Canada Notice to Users

This device complies with Industry Canada license exempt RSSs. Operation is subject to the following two conditions:

- This device may not cause interference
- This device must accept any interference, including interference that may cause undesired operation of the device.

### China Notice

This device is approved for use in China.

- This device has obtained the China Compulsory Certificate.
- This device has obtained the China Radio Transmission Equipment Type Approval Certificate.
- This device has obtained the China Telecommunication Equipment Network Access License (NAL).
- The NAL label is affixed on the surface of the device. The location of the NAL label on the device is shown in Illustration 3.

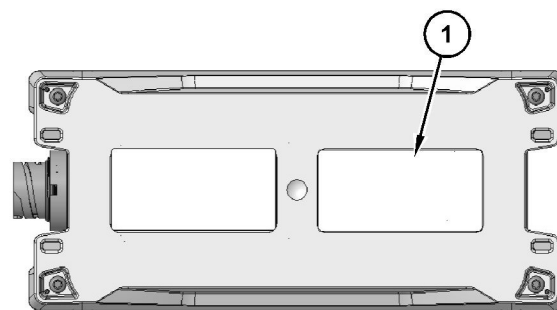


Illustration 3

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PL542V3 (bottom)

(1) NAL Label

## FCC Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The equipment generates, uses, and can radiate radio frequency energy. If the equipment is not installed and used in accordance with the instructions, the equipment may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference. The user can try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/tv technician for help

Changes or modifications to this device without the express approval of Perkins may void the users' authority to use this device.

## Mexico Notice

Operation of this equipment is subject to the following two conditions:

- It is possible that this equipment or device may not cause harmful interference
- This equipment or device must accept any interference, including interference that may cause undesired operation.

## Certification Markings

**Angola** – This device is approved for use in Angola.

 C-29915

**Argentina** – This device is approved for use in Argentina. Certificate Number C-29915



**Armenia** – This device is approved for use in Armenia. Certificate Number AST-016/S.A-0459-2024



**Australia** – This device is approved for use in Australia. Certificate Number P23127LR

**Azerbaijan** – This device is approved for use in Azerbaijan. Certificate Number SO-RF/SIV-4125

**Bahrain** – This device is approved for use in Bahrain. Certificate Number DLM / 1921 / 11644

**Barbados** – This device is approved for use in Barbados. MED # 3252

**Belize** – This device is approved for use in Belize. Certificate Number N23/104-DCP/ARTEC/DG/DNCSR/SNAESR/TEST 32023/BZE

**Benin** – This device is approved for use in Benin. Certificate Number N 2023-149 / ARCEP / SE / DAR / GU

**Bahamas** – This device is approved for use in Bahamas.

**Bolivia** – This device is approved for use in Bolivia. Certificate No.: QIPPLS63-W-B

**Botswana** – This device is approved for use in Botswana. Certificate Number BOCRA/TA/2023/8463



**Brazil** – This device is approved for use in Brazil. ANATEL ID: 08262-24-07855

**Burkina Faso** – This device is approved for use in Burkina Faso. Certificate Number N2023 - 000104/ARCE/SE/DGSN



**Canada** – This device is approved for use in Canada.

**Cameroon** – This device is approved for use in Cameroon. Certificate Number 00000396/ART/DG/DT/SDNSEA/SNH

**Cambodia** – This device is approved for use in Cambodia. Certificate Number RC-TA-2023-0406

**Central African Republic** – This device is approved for use in the Central African Republic.

**Chad** – This device is approved for use in Chad. Certificate No.: 42/ARCEP/DG/DRN/SAGPN/2024

**Chile** – This device is approved for use in Chile. Certificate Number N-5146/DO N 97.539/F60



**China** – This device is approved for use in China. Certificate # CMIIT ID: 2023CJ13925; NAL ID: 17-B304-232788

**Congo (The Democratic Republic of)** – This device is approved for use in Congo (The Democratic Republic of). Certificate Number HER - 064/AVRIL/2023

**Congo (The Republic of)** – This device is approved for use in Congo (Republic of). Certificate Number 488/ARPCE-DG/DAJI/DRSCE/23

**Cote D'Ivoire** – This device is approved for use in Cote D'Ivoire. Certificate Number 155/DG/DRCT/DCO/SHO/KKC 23 00705



**Costa Rica** – This device is approved for use in Costa Rica. Certificate Number 10041-2023.

**Ecuador** – This device is approved for use in Ecuador. Certificate Number ARCOTEL-2023-033315

**Equatorial Guinea** – This device is approved for use in Equatorial Guinea. Certificate No.: ORT973TL

**Gabon** – This device is approved for use in Gabon. Certificate Number 738/ARCEP/2024

**Ghana** – This device is approved for use in Ghana. Certificate Number HS-7E7-X87-DSR

**Guyana** – This device is approved for use in Guyana.  
Certificate Number 334-20230710-233

**Haiti** – This device is approved for use in Haiti.  
Certificate Number CNT/DG-299-23

**Honduras** – This device is approved for use in Honduras. Certificate Number 3974/2023

**India** – This device is approved for use in India.  
Certification No.: ETA-SD-20240707086

**Indonesia** – This device is approved for use in Indonesia. Certificate Number PB-UMKU: 812010785390500110125

**Iraq** – This device is approved for use in Iraq.  
Certificate Number CMC TA 23010106

**Israel** – This device is approved for use in Israel.  
Certificate Number 7352367224

**Ivory Coast / Cote D'Ivoire** – This device is approved for use in Ivory Coast / Cote D'Ivoire.  
Certificate Number 155/DG/DRCT/DCO/SHO/KKC 23 00705

**Jamaica** – This device is approved for use in Jamaica.

**Jordan** – This device is approved for use in Jordan.  
Certificate Number T/4/11/11/3921 Approval #: TRC/34/11990/2023

**EAC** **Kazakhstan** – This device is approved for use in Kazakhstan. Certificate Number KZ 7100841.13.12.02254

**Kenya** – This device is approved for use in Kenya.  
Certificate Number 7095

**Kuwait** – This device is approved for use in Kuwait.  
Certificate Number 6892

**Laos** – This device is approved for use in Laos.  
Certificate Number 0331/DRF

**Lebanon** – This device is approved for use in Lebanon. Certificate No.: 8697/E&M/2024

**Lesotho** – This device is approved for use in Lesotho. Certificate Number LSO/2023/TA/88

**Liberia** – This device is approved for use in Liberia.  
Certificate Number LTA/COMM-CKM/021/24

**Madagascar** – This device is approved for use in Madagascar. Certificate Number 23/104-DCP/ARTEC/DG/DNCSR/SNAESR/TEST

**Malawi** – This device is approved for use in Malawi.  
Certificate Number 01453



**Malaysia** – This device is approved for use in Malaysia. Certification Number: CIDF17000122

**Maldives** – This device is approved for use in Maldives. Certificate Number CAM-TAC-2023-21

**Mali** – This device is approved for use in Mali.  
Certificate Number 2023-05-039/AMRTP-P

**Mauritania** – This device is approved for use in Mauritania. Certificate No.: 1446/ARE/2024

**Mexico** – PL542V3 is approved for use in Mexico. Certificate No: CACAPL24-04154

**Moldova** – This device is approved for use in Moldova. Certificate Number MD OC TIP 024 CET 7899-23

**Mongolia** – This device is approved for use in Mongolia. Certificate Number A23000960

**Morocco** – This device is approved for use in Morocco. Certificate Number MR00037950ANRT2023

**Mozambique** – This device is approved for use in Mozambique. Certificate Number 42/T/ETD/2023

**Namibia** – This device is approved for use in Namibia. Certificate Number TA-2023/9927

**Nepal** – This device is approved for use in Nepal.  
Certificate Number R-GSM-D-P-7666



**New Zealand** – This device is approved for use in New Zealand. Certificate Number P23127LR

**Nicaragua** – This device is approved for use in Nicaragua. Certificate Number NCG-CE-23-124

**Niger** – This device is approved for use in Niger.

**Nigeria** – This device is approved for use in Nigeria.  
Certificate Number 0000 0000 3809



**Oman** – This device is approved for use in Oman. Type Approval Certificate ID: D172338 ; TRA/TA-R/17987/24



**Pakistan** – This device is approved for use in Pakistan. Certificate Number 9.677/2023

**Panama** – This device is approved for use in Panama. Certificate Number 5911



**Paraguay** – This device is approved for use in Paraguay. Certificate Number 1143/2023



**Philippines** – This device is approved for use in Philippines. Certificate Number ESD-GEC-2308159

**Peru** – This device is approved for use in Peru. Certificate Number TRFM55924

**Qatar** – This device is approved for use in Qatar. Certificate Number CRA/SM/2023/S-0013539

**Rwanda** – This device is approved for use in Rwanda. Certificate No.: RURA/ICT/AUT/240401650

**Saudi Arabia** – This device is approved for use in Saudi Arabia. Certificate Number TA 2023-1092

**Senegal** – This device is approved for use in Senegal. Certificate Number 072576 / AG / ER



**Serbia** – This device is approved for use in Serbia. Certificate Number 1623071000

**Sierra Leone** – This device is approved for use in Sierra Leone. Certificate Number 2023-002-0041



**Singapore** – This device is approved for use in Singapore. Certificate No.: DB107261



**South Africa** – This device is approved for use in South Africa. Certificate Number TA-2023/0695



**South Korea** – This device is approved for use in South Korea. The length of all cables actually connected to the product is less than 3M. Approval Certificate No.: R-C-CTU-PL542V3

**Sudan** – This device is approved for use in Sudan.

**South Sudan** – This device is approved for use in South Sudan. Certificate Number RSS/NCA/TA/ 2024/10/305

**Sri Lanka** – This device is approved for use in Sri Lanka. Certificate Number TRCSL/RTTE-3/3/24-364

**Suriname** – This device is approved for use in Suriname. Certificate Number T0181/21

**Swaziland** – This device is approved for use in Swaziland. Certificate Number TA - 2023/0105



**Taiwan** – This device is certified and approved for use in Taiwan. Certificate # CCAH244G0060T2

**Tajikistan** – This device is approved for use in Tajikistan. Certificate No.: TJ 762.37100.01.005-2021-0259

**Tanzania** – This device is approved for use in Tanzania. Certificate Number TCRA/TECELMC/ 0009/2023



**Thailand** – This device is approved for use in Thailand. Certificate Number B38355-23

**Togo** – This device is approved for use in Togo.

**Trinidad and Tobago** – This device is approved for use in Trinidad and Tobago. Certificate Number 2/2/ 1/2941/6.3

**Uganda** – This device is approved for use in Uganda. Certificate Number T10318052023



**Ukraine** – This device is approved for use in Ukraine. Certificate Number UA. TR.052



**United Arab Emirates** – This device is approved for use in United Arab Emirates. Certificate Number TIC-D01-

CS01

**Uruguay** – This device is approved for use in Uruguay. Certificate Number VU20230413-002811

**Venezuela** – This device is approved for use in Venezuela. Certificate Number DG/GGST/DHC/1048



**Uzbekistan** – This device is approved for use in Uzbekistan. Certificate No.: NO UZ.SMT.01.0085.121446184



**Zambia** – This device is approved for use in Zambia. Certificate Number ZMB / ZICTA / TA / 2023 / 5 / 17

**Zimbabwe** – This device is approved for use in Zimbabwe. Certificate Number POZ1776

# Operation Section

## Operation

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## System Overview

The Perkins Interlink PL542 is a communications system that uses cellular communications to transmit information to Perkins distributors and Perkins customers. The unit contains a Global Positioning System (GPS) satellite receiver.

The Perkins Interlink PL542 is compatible with J1939 and the Perkins Data Link (PDL). All logged events and diagnostic codes are available to the Perkins electronic service tool (EST) on the J1939 or PDL.

The Interlink PL542 also provides the customer with the following information:

- Location
- SMH (Service Meter Hours)
- Geo-Fence capabilities of communication
- Diagnostic codes
- Event codes

The system allows two-way communication between the engine and a remote user such as a Perkins distributor, Original Equipment Manufacturer, or a customer.

In the case of the PL542, the information goes from the Interlink system to a cellular tower or local Wi-Fi network. The information is sent to the data servers.

## PL542 Wi-Fi Connectivity

The PL542 features a Wi-Fi radio that allows devices to report over a LAN network. The PL542 can be configured to communicate with a WPA2 password protected Wi-Fi network using Perkins ET 2025B or later.

The PL542 operates in dual radio mode when Wi-Fi is enabled allowing the PL542 to switch between Wi-Fi and cellular connections based on signal strength. When Wi-Fi is connected, Wi-Fi will be preferred over cellular.

**Note:** Wi-Fi is a registered trademark of Wi-Fi Alliance.

## Geo-Fence

Geo-Fence is a feature of the Interlink PL542 system. A Geo-Fence can be set up only through the User Interface. Geo-Fence can be set up to send alerts for difference reasons. The sending of alerts depends on the subscription.

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# Product and Dealer Information

Note: For product identification plate locations, see the section “Product Identification Information” in the Operation and Maintenance Manual.

Delivery Date: \_\_\_\_\_

## Product Information

Model: \_\_\_\_\_

Product Identification Number: \_\_\_\_\_

Engine Serial Number: \_\_\_\_\_

Transmission Serial Number: \_\_\_\_\_

Generator Serial Number: \_\_\_\_\_

Attachment Serial Numbers: \_\_\_\_\_

Attachment Information: \_\_\_\_\_

Customer Equipment Number: \_\_\_\_\_

Dealer Equipment Number: \_\_\_\_\_

## Dealer Information

Name: \_\_\_\_\_ Branch: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

	<u>Dealer Contact</u>	<u>Phone Number</u>	<u>Hours</u>
Sales:	_____	_____	_____
Parts:	_____	_____	_____
Service:	_____	_____	_____

