

Emission Control System Warranty Statement

Marine and industrial diesel engines
Supplement to Operator's Manual
(USA/ Canada)

Marine engines

This Emission Control System Warranty Statement applies only to engines sold for use in USA / Canada or California that are in conformity with US EPA or California ARB Model Year 2022 regulations.

Industrial engines

This Emission Control System Warranty Statement applies only to engines type-approved for conformity with US EPA or California ARB Model Year 2022 regulations

This Emission Control Warranty applies to compression ignition engines manufactured by AB Volvo Penta (Volvo Penta) and engines manufactured by Deutz AG and Perkins Engines Co Ltd. by order of AB Volvo Penta.

General statement

To retain the dependability, noise and exhaust emission control originally built into all AB Volvo Penta engines, it is essential that the engines are installed according to the AB Volvo Penta installation instructions and receive periodic maintenance according to the maintenance instructions. You are encouraged to install an hour meter on the engine or in the machine or vessel. Such an instrument is an important aid to monitoring correct service intervals and emission control maintenance.

**VOLVO
PENTA**

Federal emission control system warranty statement

Manufacturer's warranty coverage

AB Volvo Penta warrants to the original owner, and to each subsequent owner, of a new diesel engine that the emission control system of your engine:

1. Was designed, built and equipped so as to conform at the time of sale with all applicable regulations of the U.S. Environmental Protection Agency and of the California Air Resources Board.
2. Is free from defects in material and workmanship which will cause such engine to fail to conform with applicable regulations for a warranty period in hours and years of engine operation listed below, whichever occurs first.

Warranty period in hours and years of engine operation, whichever occurs first:

- TAD570VE-TAD572VE, TAD580VE-TAD583VE, TAD870VE-TAD873VE, TAD880VE-TAD884VE, TAD1170VE-TAD1172VE, TAD1180VE-TAD1183VE, TAD1371VE-TAD1375VE, TAD1381VE-TAD1385VE, TAD1643VE, TAD1643VE-B, TAD1670VE-TAD1672VE, TWD1683VE

TAD550GE-TAD551GE, TAD750GE-TAD754GE, TAD1350GE-TAD1355GE, TAD1641GE-B, TAD1642GE-B, TAD1650GE-TAD1651GE

TWD1643GE, TWD1644-45GE, TWD1645GE-B, TWD1672GE-TWD1673GE, TWD1683GE

5 years or 3,000 hours of engine operation.

- D1, D2, D3-110, D8, D11 and D13 marine compression ignition engines categorized as recreational engines: 5 years or 1000 hours of engine operation.
- D3 > 110, D4 and D6 marine compression ignition engines categorized as recreational engines: 5 years or 800 hours of engine operation.
- D4 and D6 marine compression ignition engines categorized as commercial engines: 5 years or 2,500 hours of engine operation.
- D8, D11, D13 and D16 marine compression ignition engines categorized as commercial engines: 5 years or 5,000 hours of engine operation.

The warranty period shall begin:

- on the date the machine or vessel first is delivered to the first retail purchaser or:
- if the machine or vessel is placed in service for demonstration purposes prior to sale at retail, on the date the engine is first placed in service.

The emission control systems of your new AB Volvo Penta engine were designed, built and tested using genuine parts, and the engine is certified as being in conformity

with Federal and California emission control regulations. Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be AB Volvo Penta parts. The owner may elect to have maintenance, replacement or repair of the emission control components and systems certified by US Environmental Protection agency performed by any repair establishment or individual and may elect to use parts other than AB Volvo Penta parts for such maintenance, replacement or repair without invalidating this warranty: the cost of such services or parts, however, will not be covered under the warranty.

Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than AB Volvo Penta parts are used for maintenance, the owner should obtain assurance that such parts are warranted by their manufacturer to be equivalent to genuine AB Volvo Penta parts. However, the use of other than AB Volvo Penta replacement parts does not invalidate the warranty on other components unless such parts cause damage to warranted parts.

Repairs and service covered by the warranty will be performed by an authorized AB Volvo Penta distributor or dealer with no charge for parts or labor, including diagnosis, using AB Volvo Penta parts for any part of the emission control system covered by the warranty and found defective.

The emissions control parts covered by this Emission Control System Warranty are listed under "What is Covered By The Emission Warranty". You are responsible for the performance of all scheduled maintenance or repair on your new AB Volvo Penta engine. AB Volvo Penta may deny a warranty claim if your failure to perform maintenance resulted in the failure of a warranted part. Receipts covering the performance of regular maintenance should be retained in the event questions arise concerning maintenance. The receipts should be transferred to each subsequent owner of the machine or vessel with the emission warranted engine.

For AB Volvo Penta diesel engines in accordance with United States Environmental Protection Agency 40 CFR parts 89, 94, 1039, 1042 and 60 subpart IIII.

Customer assistance

AB Volvo Penta wishes to help assure that the Emission Control Systems Warranty is properly administered. In the event that you do not receive the warranty service to which you believe you are entitled under the Emission Control Systems Warranty, you should contact AB Volvo Penta at the address below for assistance. If you need additional assistance or information concerning the Emission Control System Warranty, contact:

Volvo Penta of the Americas, Inc.

Service Department 1300,

Volvo Penta Drive Chesapeake,
VA 23320-9810
USA

Telephone: 757-436-2800
Fax: 757-436-5158

What is not covered by the emission control system warranty

This warranty does not cover:

1. Malfunctions in any part caused by any of the following: misuse, abuse, improper adjustments, modifications, alteration, tampering, disconnection, improper or inadequate maintenance, or use of fuels not recommended for the engine as described in the Operator's Manual.
2. Damage resulting from accident, acts of nature or other events beyond the control of AB Volvo Penta.
3. The replacement of expendable maintenance items such as exhaust system, filters, hoses, belts, oil, thermostat, and coolant made in connection with scheduled maintenance services once these parts have been replaced.
4. Add on parts or modified items which are not approved by AB Volvo Penta.
5. Consequential damage as loss of time, inconvenience, loss of use of machine or vessel, engine or commercial loss.
6. Any machine or vessel on which the hour meter has been disconnected or the hour record has been altered so the actual usage cannot be readily determined.
7. Marine engines operated outside the United States or Canada.

What is covered by the emission control system warranty

The following is a list of items that are considered a part of the Emission Control Systems and are covered by the Emission Warranty when installed as original equipment by AB Volvo Penta on engines which were built to conform to Environmental Protection Agency regulations and regulations of the California Air Resources Board:

IMPORTANT! This may not include expendable maintenance items. Emission related parts requiring scheduled maintenance are warranted until their first scheduled replacement point for that part.

1. Fuel Metering System.
 - Fuel injection system.
2. Air Induction System.
 - Intake manifold.
 - Turbocharger/Supercharger (if applicable for your engine type).
 - Charge Air Cooling Systems (if applicable for your engine type).
3. Exhaust Gas Recirculation (EGR) System (if applicable for your engine type).
 - EGR control system.
4. Closed Crankcase Ventilation System (if required by applicable regulation and for your engine type).
 - Oil mist separator/filter.
5. After treatment devices (if applicable for your engine type).
 - DPF filter
 - SCR catalyst
 - DEF Dosing system
6. Miscellaneous Items Used in Above Systems (if applicable for your engine type).
 - Vacuum, temperature, and time sensitive valves and switches.
 - Electronic control units, sensors, solenoids, and wiring harnesses.
 - Hoses, belts, connectors, assemblies, clamps, fittings, tubing, sealing gaskets or devices, and mounting hardware.
 - Pulleys, belts and idlers.
 - Emission Control Information Labels.

California emission control warranty statement - your warranty rights and obligations

Applies only to new engines type approved for conformity with California ARB Regulation and the following engine types:

D1-13, D1-20, D1-30, TAD570VE-TAD572VE, TAD580VE-TAD583VE, TAD870VE-TAD873VE, TAD880VE-TAD884VE, TAD1170VE-TAD1172VE, TAD1180VE-TAD1183VE, TAD1371VE-TAD1375VE, TAD1381VE-TAD1385VE, TWD1645-B, TAD1670VE-TAD1672VE, TWD1672GE-TWD1673GE, TWD1683GE, TWD1683VE:

The California Air Resources Board and AB Volvo Penta is pleased to explain the emission control system warranty on your new engine. In California, new heavy duty off-road engines must be designed, built and equipped to meet the State's stringent antismog standards.

AB Volvo Penta must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your engine.

Your emission control system may include parts such as the fuel injection system and the air induction system. Also included may be hoses, belts, connectors and other emission related assemblies.

Where a warrantable condition exists, AB Volvo Penta will repair your heavy duty off-road engine at no cost to you including diagnosis, parts and labor.

Manufacturer's warranty coverage

AB Volvo Penta warrants to the original owner, and to each subsequent owner, of a new diesel engine that the emission control system of your engine:

1. Was designed, built and equipped so as to conform at the time of sale with all applicable regulations of the U.S. Environmental Protection Agency and of the California Air Resources Board.

2. Is free from defects in material and workmanship which will cause such engine to fail to conform with applicable regulations for a warranty period in hours and years of engine operation listed below, whichever occurs first.

The 1996 and later heavy duty off-road engines are warranted for:

D1-13 and D1-20: 2 years or 1,500 hours of engine operation, whichever occurs first.
D1-30, TAD570VE-TAD572VE, TAD580VE-TAD583VE, TAD870VE-TAD873VE, TAD880VE-TAD884VE, TAD1170VE-TAD1172VE, TAD1180VE-TAD1183VE, TAD1371VE-TAD1375VE, TAD1381VE-TAD1385VE, TWD1645-B, TAD1670VE-TAD1672VE, TWD1672GE-TWD1673GE, TWD1683GE, TWD1683VE:

5 years or 3,000 hours of engine operation, whichever occurs first.

If any emission related part on your engine is defective, the part will be repaired or replaced by AB Volvo Penta.

Emissions standards in USA issued by EPA and CARB require certain emission-related components to be maintained for free the first 4500 hours. The maintenance of ash filed DPF filter is covered by this emission-standard. Free-of-charge DPF filter

replacements apply only to products that are certified for the American market, i.e. engines labeled with EPA and CARB emission decals. The maintenance cost for replacing ash filed DPF filters before 4500h is only covered by Penta if the EATS is correctly installed according to the EATS installation manual and the service is performed according to the service scheme at an authorized AB Volvo Penta Business Partner.

The warranty period shall begin:

- on the date the machine or vessel first is delivered to the first retail purchaser or
- if the machine or vessel is placed in service for demonstration purposes prior to sale at retail, on the date the engine is first placed in service.

The emission control systems of your new AB Volvo Penta engine were designed, built and tested using genuine parts, and the engine is certified as being in conformity with Federal and California emission control regulations. Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be AB Volvo Penta parts.

The owner may elect to have maintenance, replacement or repair of the emission control components and systems certified by US Environmental Protection agency performed by any repair establishment or individual and may elect to use parts other than AB Volvo Penta parts for such maintenance, replacement or repair without invalidating this warranty: the cost of such services or parts, however, will not be covered under the warranty.

Any warranted part which is not scheduled for replacement as required maintenance shall be warranted for the warranty period defined above. If any such part fails during the period of warranty coverage, it will be repaired or replaced under warranty. Any such part repaired or replaced under the warranty shall be warranted for the remaining warranty period.

Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by the engine manufacturer under warranty. Any such part repaired or replaced under warranty shall be warranted for the remainder of the period prior to the first scheduled replacement point for the part.

AB Volvo Penta is required by California regulations to maintain a supply of warranted parts sufficient to meet the expected demand for such parts during the warranty period for the engines covered by this warranty. Use of replacement parts which are not of equivalent quality may impair the effectiveness of emission control systems. If other than AB Volvo Penta parts are used for maintenance, the owner should obtain assurance that such parts are warranted by their manufacture to be equivalent to genuine AB Volvo Penta parts. However, the use of other than AB Volvo Penta replacement parts does not invalidate the warranty on

other components unless such parts cause damage to warranted parts.

Use of any add-on or modified parts that are not exempted from anti-tampering laws by the California Air Resources Board may reduce or eliminate your warranty coverage. The use of any non-exempted add-on or modified parts shall be grounds for disallowing a warranty claim. AB Volvo Penta is not liable for warranty failures of warranted parts caused by the use of a non-exempted add-on or modified part.

Repairs and service covered by the warranty will be performed by an authorized AB Volvo Penta distributor or dealer with no charge for parts or labor, including diagnosis, using Volvo Penta parts for any part of the emission control system covered by the warranty and found defective.

The emissions control parts covered by this Emission Control System Warranty are listed under "What is Covered By The Emission Warranty". You are responsible for the performance of all scheduled maintenance or repair on your new AB Volvo Penta engine. AB Volvo Penta may deny a warranty claim if your failure to perform maintenance resulted in the failure of a warranted part. Receipts covering the performance of regular maintenance should be retained in the event questions arise concerning maintenance. The receipts should be transferred to each subsequent owner of the machine or vessel with the emission warranted engine.

Owner's warranty responsibilities

As the heavy duty off-road engine owner, you are responsible for the performance of the required maintenance listed in your Operator's manual. Volvo Penta recommends that you retain all receipts covering maintenance on your heavy duty off-road engine, but Volvo Penta cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the heavy duty off-road engine owner, you should however be aware that AB Volvo Penta may deny you warranty coverage if your heavy duty off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

Your engine is designed to operate on diesel fuel only. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements.

You are responsible for initiating the warranty process. The ARB suggests that you present your heavy duty off-road or marine engine to a AB Volvo Penta dealer as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.

If you have any questions regarding your warranty rights and responsibilities, you should contact AB Volvo Penta of the Americas at 757-436-2800.

Customer assistance

AB Volvo Penta wishes to help assure that the Emission Control Systems Warranty is properly administered. In the event that you do not receive the warranty service to which you believe you are entitled under the Emission Control Systems Warranty, you should contact AB Volvo Penta at the address below for assistance. If you need additional assistance or information concerning the Emission Control System Warranty, contact:

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Service Department 1300,
Volvo Penta Drive
Chesapeake,
VA 23320-9810
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