

Warranty Information North America

Marine Gasoline Engines and Power Packages Marine Diesel Engines and Power Packages Parts and Accessories

- Includes:***
- ***US EPA Emission Control Warranty Statement***
 - ***California Emission Control Warranty Statement***
 - ***Pre-Delivery Inspection Checklist for Gasoline Engines***
 - ***Diesel Engine First Launch Commissioning and Repower Checklists***
 - ***Registration Update Form***



Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320

PRODUCT AND APPLICATION INFORMATION

Please complete and retain this section for future reference.

Delivery date _____

Engine serial number(s) _____

Drive / Transmission model _____

Drive / Transmission serial number(s) _____

Transom shield assembly serial number(s) _____

Boat manufacturer _____ Boat year _____

Boat model _____ Boat length _____

Hull ID number (HIN) _____

State / Province registration number _____

Propeller size _____

Selling dealer _____

Servicing dealer _____

It is very important that you obtain all serial numbers directly from serial number plates attached to product assemblies.

Check your Operator's Manual for the location of product serial number plates.

QUALITY – SAFETY – ENVIRONMENTAL CARE

Quality. Safety. Environmental Care. These are Volvo Penta's core values and our commitment to you, the Volvo Penta owner. From engineering design and manufacturing to support activities in Parts, Service, and Sales, we have set ourselves high standards to ensure your satisfaction with your Volvo Penta product.

The coverage detailed in this Warranty Booklet demonstrates the confidence and quality commitment we have in our product. Take the time to review your responsibilities as an owner, as well as Volvo Penta's obligations and responsibilities under the terms of your limited warranty. Your Operator's Manual fully explains the operation and required maintenance of your Volvo Penta power package; it should be reviewed by you and others who operate your boat.

Volvo Penta on the Web
www.volvopenta.com

Dealer Locator Number

For the name of your nearest authorized Volvo Penta Dealer consult your yellow pages, call toll free 1-800-522-1959 (USA only), or visit www.volvopenta.com.

Volvo Action Service (VAS)

In the event that your engine breaks down, the VAS coordinator will quickly locate the nearest dealer. If you need a tow, parts, or a technician, the VAS coordinator will make all arrangements necessary to get you back underway as soon as possible. Membership to Volvo Action Service is provided automatically to all Volvo Penta engine owners. As long as your Volvo Penta engine is under factory warranty, this service is provided absolutely free for Volvo Penta warranty related repairs. Towing is not covered by the Volvo Penta warranty. Once your warranty period has expired, there is a charge of \$50.00 (USD)* per managed breakdown, plus any additional costs incurred for towing, parts, or repairs. If you have any questions regarding Volvo Action Service, or need additional information, please call toll-free 1-877-33-PENTA.

* Price subject to change without notice.

Warranty Coverage

Your Volvo Penta warranty coverage starts on the day you take possession of your new boat regardless of how or when you use your boat. If your product is not warranty registered at the time of delivery by your selling dealer, you will be asked to present written proof of ownership and/or delivery date to obtain warranty coverage.

Transfer of Ownership

The Volvo Penta Limited Warranty is transferable to subsequent engine owners at no charge. If there is a change of ownership or address, complete the Product Registration Update Form located in the back of this booklet and mail to Volvo Penta.

If You Have a Problem

Your satisfaction with our products and dealer services is important. Volvo Penta takes pride in producing durable, reliable products, and our efforts are supported by a strong dealer network. If you have questions about service or your product's performance, your Volvo Penta dealer will be happy to answer them. There may be times, though, that, in spite of the best intentions, differences develop between a boat owner and a dealer. If this happens to you, Volvo Penta and your dealer will work together to pursue a reasonable resolution.

If you experience a problem with your Volvo Penta product:

Maintain a written record of events (the problem, related conversations/with whom, important dates, etc.), as well as any supporting documents (invoices, work orders, etc.). Then, take the following steps:

1. Discuss the matter with the appropriate department manager at the dealership (e.g., Service Manager, Parts Manager, etc.). Explain exactly what caused the problem and ask what action will be taken.

If the matter remains unresolved after a reasonable amount of time:

2. Discuss the matter with the Dealer Principal (usually the owner or co-owner of the dealership). Explain what occurred in step 1.

If the matter is not resolved within a reasonable amount of time:

3. Contact the Consumer Affairs Department at:

Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320
(866) 273-2539
(757) 436-5150 FAX

Volvo Penta Canada
7972 Enterprise Street
Burnaby, BC V5A 1V7
(604) 872-7511
(604) 872-4606 FAX

Please be prepared to provide the following information:

- Your name, address, and daytime telephone number.
- The Volvo Penta product model and serial number for each major component in the power package (engine, transom shield, drive, or transmission). Check your operator's manual for the serial number plate location.
- Date of purchase.
- Current engine operating hours.
- Selling and/or Servicing Dealer's name.
- Description of the problem.
- Your service and maintenance records

Volvo Penta Extended Protection* Program

Owners of Volvo Penta engines or power packages used in leisure applications may be eligible to purchase an extended protection program. Volvo Penta Extended Protection provides comprehensive mechanical breakdown repair cost protection for Volvo Penta gasoline and diesel power systems. Policyholders will be covered for the repairs outlined in the agreement, subject to a deductible per repair. Volvo Penta Extended Protection is available to recreational boat owners for purchase any time during the first 12 months of the factory warranty period. Volvo Penta Extended Protection may not be available in all market areas. See your authorized Volvo Penta Dealer or call Volvo Penta Extended Protection Offices at 1-800-235-7549.

*Volvo Penta Extended Protection is an insurance program and is administered by a Company other than Volvo Penta. Covered components may vary from the Volvo Penta Limited Warranty. Read your contract carefully.



Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320

MARINE GASOLINE ENGINE AND POWER PACKAGE LIMITED WARRANTY

What is Warranted

Leisure use* - Volvo Penta of the Americas, LLC warrants that new, marine gasoline power packages will be free from defects in material or workmanship for a period of two years or 600 hours, whichever occurs first. This two-year warranty is limited to complete power packages (engine, transom shield, sterndrive, IPS, Volvo Penta branded marine transmissions, jackshafts, and engine accessories) in leisure-use* as defined by Volvo Penta. The two-year warranty is limited to power packages of less than 450 propeller shaft horsepower each. Engine-only packages (new engines sold without transom shields, sterndrives, or Volvo Penta branded transmissions) are warranted for a period of one year or 300 hours, whichever occurs first.

Commercial use - Volvo Penta of the Americas, LLC warrants that new, marine gasoline power packages of 400 propeller shaft horsepower or less placed in commercial-use will be free from defects in material or workmanship for a period of six (6) months or 400 operational hours, whichever occurs first. Engines and power packages greater than 400 propeller shaft horsepower are not approved by Volvo Penta for commercial-use and are not warranted against defects in materials and workmanship.

OceanX - Volvo Penta of the Americas, LLC warrants that each new Volvo Penta OceanX engine, transom shield, and sterndrive will not fail mechanically as a direct result of corrosion for a period of four years.

Select emission control components on new engines are warranted in the State of California for three years or 480 hours, whichever occurs first. Refer to the California Emission Control Warranty Statement for complete information.

The warranty commences on the date of delivery to the first retail purchaser, or when the Product has been operated for 25 hours, or on the first day of the 25th month from the date of shipment from Volvo Penta, whichever occurs first, and applies only to warranted defects first arising and reported to Volvo Penta or one of its authorized service dealers during the applicable warranty period. During the warranty period, the warranty is transferable to subsequent owners. Volvo Penta products are eligible for this warranty coverage only if registered with Volvo Penta. Submission of the Warranty Registration Form and other suitable dated proof of purchase is required for registration and to obtain warranty coverage.

LIMITATION AND DISCLAIMER OF IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

TO THE EXTENT PERMITTED BY APPLICABLE LAWS:

- VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY AS TO ANY PRODUCT OR PART, WHETHER OR NOT THAT PRODUCT OR PART IS COVERED BY ANY EXPRESS WARRANTY CONTAINED HEREIN;**
- VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF;**
- IN THOSE JURISDICTIONS WHERE IMPLIED WARRANTIES MAY NOT BE DISCLAIMED, ANY IMPLIED WARRANTY IS LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTIES DESCRIBED IN THIS WARRANTY STATEMENT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.**
- THE REPAIR OR REPLACEMENT OF PARTS OR THE PERFORMANCE OF SERVICE UNDER THIS WARRANTY DOES NOT EXTEND THE LIFE OF THIS WARRANTY BEYOND ITS ORIGINAL EXPIRATION DATE.**

What is Not Covered by the Warranty

- any Volvo Penta product that has been subject to misuse, neglect, accident; or that has been improperly installed, operated or maintained (including lack of maintenance).
- damage that is the result of rust, corrosion, water entry through the intake or exhaust system, or prolonged or improper storage.
- Volvo Penta product sold or transferred as part of an AS IS transaction without warranties.
- damage that is the result of running aground.
- damage that is the result of sand, debris, or any other foreign material being drawn into the water pump and its components.
- any Volvo Penta product that is damaged as a result of stray-current corrosion or galvanic corrosion that results from lack of maintenance of, and/or use of incorrect sacrificial anodes or the cost of changing of sacrificial anodes when going between fresh and saltwater operation.
- any Volvo Penta product that has been used for racing or in preparation for racing; has been altered or modified so as to adversely affect its operation, performance, or durability; or that has been altered or modified to change its intended use.

(Continued on next page)

- costs to modify fuel systems or gear ratios to meet local altitude requirements or the
- repairs made necessary by normal wear and tear, or by the use of parts, accessories, lubricants, or fuels, which in the reasonable judgment of Volvo Penta, are either incompatible with the Volvo Penta product or adversely affect its operation, performance, or durability.
- any failure of components damaged by the use of modified or cupped propellers.
- travel to or from the product by the servicing dealer or transportation of the product to and from the servicing dealer; charges for towing, haul-out, launch, storage, fuel or lubricant usage, premium (air or overnight) freight charges; rental costs of any type; and excessive time necessary to remove boat partitions, hatches or decks to gain service access or any other incidental or consequential expenses including loss of use of the engine, drive train or boat, loss of income, or inconvenience.
- repairs to non-Volvo Penta branded marine transmissions, jackshafts, and engine accessories.
- pre-delivery inspection labor and any parts expense, normal maintenance items and/or routine adjustments.

Owner's Responsibility

As the Volvo Penta 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 engine. This record of proper maintenance may be required to determine warranty coverage on certain repairs and should be transferred to each subsequent owner. While Volvo Penta cannot deny warranty coverage solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance, Volvo Penta may deny coverage if your Volvo Penta engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your Volvo Penta product to a Volvo Penta authorized dealer as soon as a problem exists and use all reasonable means to protect the product from further damage. The warranty repairs will be completed in a reasonable amount of time.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the America's, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100.

Other Information

This warranty is only valid for vessels registered and/or normally operated within the United States, Canada, and other selected areas including Bermuda, Puerto Rico, Bahamas, U. S. Virgin Islands, Saipan, and Guam. The warranty (if any) for vessels operated outside these areas is described in the [AB Volvo International Warranty](#) statement. Copies of the International Warranty Statement are available from Volvo Penta Consumer Relations Department.

Note: Outside the U.S. and Canada, there may be additional charges based on local practices and conditions. These charges may include, but are not limited to; freight, insurance, taxes, import duties, and/or other financial charges, including those levied by local governments and their respective agencies. These charges are not covered by the Volvo Penta Limited Warranty and are the responsibility of the retail purchaser.

Volvo Penta reserves the right to change or improve the design of any Volvo Penta product without assuming any obligation to modify any Volvo Penta product previously manufactured.

REMEDIES AND EXCLUSION OF CERTAIN DAMAGES

Any part of the Volvo Penta engine or power package that is covered by this warranty and that is found in the reasonable judgment of Volvo Penta to be defective in materials or workmanship will be repaired or replaced at Volvo Penta's option. If a problem occurs, the owner must bring the product to an authorized Volvo Penta Service Dealer in a timely manner. All repairs (except for those listed under *What is Not Covered by the Warranty*) will be made by an authorized Volvo Penta Service Dealer at no charge during the warranty period. Repairs will be made within a reasonable period of time during the dealer's normal business hours. Parts replacement will be made using genuine new or remanufactured Volvo Penta parts. Volvo Penta's responsibility with respect to warranty claims is limited to making the required repairs or replacements. All parts will be shipped via standard ground methods. Engines or parts provided under this warranty assume the identity of the engine or part being replaced, and are entitled to the remaining warranty coverage only.

THE REPAIR AND REPLACEMENT REMEDIES DESCRIBED IN THIS WARRANTY STATEMENT ARE THE OWNER'S SOLE AND EXCLUSIVE REMEDY. IN NO EVENT SHALL VOLVO PENTA BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. THE TERMS, LIMITATIONS AND DISCLAIMERS CONTAINED IN THIS LIMITED WARRANTY, AS WELL AS THOSE DOCUMENTS PREPARED IN CONJUNCTION WITH THE SALE OF VOLVO PENTA PRODUCTS, MAY NOT BE MODIFIED, ALTERED, OR WAIVED BY ANY ACTION, INACTION OR REPRESENTATIONS, WHETHER ORAL OR IN WRITING, EXCEPT UPON THE EXPRESSED, WRITTEN AUTHORITY OF A MANAGEMENT LEVEL EMPLOYEE OF VOLVO PENTA.

* *Leisure-use* is defined by Volvo Penta as engines or power packages exclusively intended for pleasure craft application and used only for the owner's personal recreation and are non-revenue generating. It excludes government, commercial or business use, whether defined as income producing or for tax considerations.



**U.S. EPA EMISSION CONTROL WARRANTY STATEMENT
YOUR EMISSION CONTROL WARRANTY RIGHTS AND OBLIGATIONS**

Volvo Penta is pleased to explain the emission control system warranty on your 2011 or later stern drive engine. Your new sterndrive engine is designed, built and equipped to meet the U.S. EPA's stringent anti-smog standards. Volvo Penta warrants the emission control system on your sterndrive engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your stern drive engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, and the catalytic converter. Also included may be hoses, belts, connectors and other emission-related assemblies. Where a warrantable condition exists, Volvo Penta will repair your sterndrive engine at no cost to you, including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

Select emission control parts from 2010 or later sterndrive engines are warranted for 3 years or 480 hours, whichever first occurs. (If your engine is not equipped with an hour meter, then the warranty period is 3 years.) If any emission-related part on your engine is defective under warranty, the part will be repaired or replaced by Volvo Penta.

OWNER'S WARRANTY RESPONSIBILITIES

- As the sterndrive 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 sterndrive engine, but Volvo Penta cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
- As the sterndrive engine owner, you should however be aware that Volvo Penta may deny you warranty coverage if your sterndrive engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.
- You are responsible for presenting your sterndrive engine to a Volvo Penta authorized dealer as soon as a problem exists. The warranty repairs will be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the America's, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100. Our facsimile number is 1-757-436-5158.

GENERAL EMISSIONS WARRANTY COVERAGE

Volvo Penta warrants to the ultimate purchaser and each subsequent purchaser within the original warranty period that the engine is:

- (1) Designed, built and originally equipped so as to conform to all applicable regulations adopted by the United States Environment Protection Agency pursuant to its authority in Section 1045.120, Volume 73, No. 196 of the Federal Register; and
- (2) Free from defects in materials and workmanship that may keep it from meeting the requirements set forth above.

The warranty period is for 3 years and begins on the date the engine is first placed in service.

WHAT IS COVERED BY THE EMISSION CONTROL SYSTEM WARRANTY

The following is a list of items that are a part of the Emission Control Systems and are covered by the Emission Warranty:

IMPORTANT! Emission related parts requiring scheduled maintenance are warranted until their first scheduled replacement point for that part.

Parts that are covered under the emission control warranty are:

1) Fuel metering system a) Fuel injection system b) Air/fuel ratio feedback and control system i. Oxygen sensors c) Cold start enrichment system d) Intake valve(s)	5) Air induction system a) Intake manifold
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2) Ignition system a) Spark plugs (up to 300 hour scheduled replacement) b) Electronic ignition system c) Ignition coil and/or control module d) Ignition wires e) Spark advance / retard system	6) Exhaust System a) Catalytic converter b) Exhaust manifold c) Exhaust valve(s)
3) Positive crankcase ventilation system a) PCV valve b) Oil filler cap	7) Miscellaneous items used in the above systems (if applicable for your engine type) a) Hoses, clamps, fittings, tubing, sealing gaskets or devices, and mounting hardware b) Vacuum, temperature, check and time sensitive valves and switches c) Electronic controls
4) Lubrication System a) Oil pump and internal parts	8) Emissions Control Information Label

ADDITIONAL INFORMATION

- Any warranted part that is not scheduled for replacement as required maintenance in written instructions is warranted for 3 years or 480 hours, whichever first occurs.
- Any warranted part that is scheduled only for regular inspection in written instruction is warranty for 3 years or 480 hours, whichever first occurs. Any such part repaired or replaced under warranty is warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in written instructions is warranted for the prior of time before the first scheduled replacement date for that part. If the part fails before the first scheduled replacement, the part will be repaired or replaced under warranty, and the replacement part will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
- Repair or replacement of any covered part under this warranty must be performed by any authorized Volvo Penta dealer.
- Repair or replacement of any covered part under this warranty will be performed at no charge to the owner.
- The owner will not be charged for diagnostic labor that is directly associated with diagnosis of a defective, emissions-related warranted part, provided that such diagnostic work is performed at an authorized Volvo Penta dealer.
- Volvo Penta will repair or replace, at no charge to the owner, damage to other engine components proximately caused by a failure under warranty of any warranted part.
- Volvo Penta will maintain a supply of replacement parts sufficient to meet the expected demand for parts covered by this warranty.
- Volvo Penta will use only approved or genuine Volvo Penta parts in the performance of its obligations under this warranty.

WHAT IS NOT COVERED BY THE WARRANTY

This warranty does not cover any of the following:

- Malfunctions in any part caused by any of the following: accident, 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. Volvo Penta must be able to demonstrate that the engine has been misused, abused, improperly adjusted, modified, etc, and that such condition was the direct cause of the malfunctions in the part.
- Add-on or modified parts may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim made in accordance with this article. Volvo Penta will not warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.
- Consequential damage such as loss of time, inconvenience, loss of use of machine or vessel, engine or commercial loss.



Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

YOUR EMISSION CONTROL WARRANTY RIGHTS AND OBLIGATIONS

Applies only to new engines purchased in California for use in California.

The California Air Resources Board and Volvo Penta are pleased to explain the emission control system warranty on your 2011 stern drive engines. In California, new sterndrive engines must be designed, built and equipped to meet the State's stringent anti-smog standards. Volvo Penta must warrant the emission control system on your sterndrive engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your stern drive engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, and the catalytic converter. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition (i.e., a defect in materials or workmanship) exists, Volvo Penta will repair your sterndrive engine at no cost to you, including diagnosis, parts and labor.

MANUFACTURER'S LIMITED WARRANTY COVERAGE

Select emission control parts from 2011 sterndrive engines are warranted for 3 years or 480 hours, whichever occurs first. All Volvo Penta engines listed above are equipped with sophisticated electronic engine control modules which record hours of use and which cannot be reset. Using special tools, Volvo Penta authorized dealers can obtain the actual hours of usage from the engine control modules. If any emission-related part on your engine is defective under warranty, the part will be repaired or replaced by Volvo Penta.

This emission control system limited warranty covers new Volvo Penta gasoline sterndrive engines certified and produced by Volvo Penta of the Americas. The Volvo Penta Marine Gasoline Engine and Power Package Limited Warranty is still applicable to these models with the necessary modifications.

WHAT IS NOT COVERED BY THE WARRANTY

This warranty does not cover any of the following:

- 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.
- Damage resulting from accident, acts of nature or other events beyond the control of Volvo Penta.
- 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.
- Add-on or modified parts, as defined in Section 1900(b)(1) and (b)(10), Title 13, that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim made in accordance with this article. Volvo Penta will not warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.
- Consequential damage such as loss of time, inconvenience, loss of use of machine or vessel, engine or commercial loss.

OWNER'S WARRANTY RESPONSIBILITIES

– As the sterndrive 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 sterndrive engine, but Volvo Penta cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.

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

– You are responsible for presenting your sterndrive engine to a Volvo Penta authorized dealer as soon as a problem exists. The warranty repairs will be completed in a reasonable amount of time, not to exceed 30 days.

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 Emissions Control Systems Warranty or if you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the America's, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100. Our facsimile number is 1-757-436-5158.

GENERAL EMISSIONS WARRANTY COVERAGE

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 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.

Parts that are covered under the emission control warranty are:

1) Fuel metering system a) Fuel injection system b) Air/fuel ratio feedback and control system i) Oxygen sensors c) Cold start enrichment system d) Intake valve(s)	2) Air induction system a) Intake manifold
3) Ignition system a) Spark plugs-(up to 300 hour scheduled replacement) b) Electronic ignition system c) Ignition coil and/or control module d) Ignition wires e) Spark advance/retard system	4) Exhaust System a) Catalytic converter b) Exhaust manifold c) Exhaust valve(s)
4) Positive crankcase ventilation system a) PCV valve b) Oil filler cap	5) Miscellaneous items used in the above systems (if applicable for your engine type). a) Hoses, clamps, fittings, tubing, sealing gaskets or devices, and mounting hardware b) Vacuum, temperature, check and time sensitive valves and switches c) Electronic controls
4) Lubrication System a) Oil pump and internal parts	



Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320

MARINE DIESEL ENGINE (D4 THROUGH D16) POWER PACKAGE *LIMITED WARRANTY*

What is Warranted

Leisure Use - Volvo Penta of the Americas, LLC warrants that new, leisure-use* marine diesel power packages (engine, transom shield, sterndrive, Volvo Penta branded marine transmission, Inboard Performance System, jackshaft and engine accessories) will be free from defects in material or workmanship for a period of two years/600 hours for D4 and D6, whichever occurs first and two years/800 hours for D9 to D13, whichever occurs first. In addition, the following engine components are warranted for a total of five years or 2,400 operating hours, whichever comes first: cylinder block casting, crankshaft forging, connecting rods, camshaft forging, front transmission cover, flywheel housing, intake manifold, exhaust manifold, fresh water pump housing, and oil pan. During the third, fourth and fifth years of the warranty period, parts that are damaged by non-covered parts are not covered by this warranty.

Commercial Use - Volvo Penta of the Americas, LLC warrants that new approved** commercial-use marine diesel power packages (engine, transom shield, sterndrive, Volvo Penta branded marine transmission, Inboard Performance System, jackshaft and engine accessories) will be free from defects in material or workmanship for a period of one year with no hour limitations for rating 1; one year or 3,000 hours for rating 2; one year or 2,000 hours for rating 3; one year or 800 hours for rating 4, whichever occurs first. In addition to the base engine warranty, the following base engine components are warranted for an additional two years or 6,000 hours on engines with ratings 1, 2 and 3***, or two years or 2,400 hours on engines with rating 4***, whichever occurs first: cylinder block casting, crankshaft forging, connecting rods, camshaft forging, front transmission cover, flywheel housing, intake manifold, exhaust manifold, fresh water pump housing, and oil pan. During the second and third year of the warranty period, parts that are damaged by non-covered parts are not covered by this warranty. D4 and D6 (including reverse gear) with Rating 5*** will be free from defects in material or workmanship for a period of one year or 400 hours, whichever occurs first, only when used in commercial applications as defined by the U.S. EPA. D4 through D13 (including reverse gear) with Rating 5*** are not approved for, or warranted for use in commercial applications other than as defined by the US EPA.

The warranty commences on the date of delivery to the first retail purchaser, or when the Product has been operated for 50 hours for the D4, 100 hours for the D6-D16, or on the first day of the 25th month from the date of shipment from Volvo Penta, whichever occurs first, and applies only to warranty defects first arising and reported to Volvo Penta or one of its authorized service centers during the applicable warranty period. During the warranty period, the warranty is transferable to subsequent owners. Volvo Penta products are eligible for this warranty only if registered with Volvo Penta. Submission of the Warranty Registration Form and other suitable proof of purchase is required for registration and to obtain warranty coverage.

LIMITATION AND DISCLAIMER OF IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

TO THE EXTENT PERMITTED BY APPLICABLE LAWS:

- VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY AS TO ANY PRODUCT OR PART, WHETHER OR NOT THAT PRODUCT OR PART IS COVERED BY ANY EXPRESS WARRANTY CONTAINED HEREIN;**
- VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF;**
- IN THOSE JURISDICTIONS WHERE IMPLIED WARRANTIES MAY NOT BE DISCLAIMED, ANY IMPLIED WARRANTY IS LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTIES DESCRIBED IN THIS WARRANTY STATEMENT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.**
- THE REPAIR OR REPLACEMENT OF PARTS OR THE PERFORMANCE OF SERVICE UNDER THIS WARRANTY DOES NOT EXTEND THE LIFE OF THIS WARRANTY BEYOND ITS ORIGINAL EXPIRATION DATE.**

What is Not Covered by the Warranty

- Bosch fuel injection equipment or Bosch electrical components. These items are warranted separately by the Robert Bosch Corp. The Robert Bosch warranty is available at www.boschservice.com.
- marine transmissions and other components not branded by Volvo Penta. These components may be warranted by their respective manufacturers.
- any Volvo Penta product that has been subject to misuse; neglect, accident or that has been improperly installed, operated or maintained (including lack of maintenance).
- Volvo Penta products sold or transferred as part of an AS IS transaction without warranties.
- damage that is the result of rust, corrosion, water entry through the intake or exhaust system, or prolonged or improper storage.
- damage resulting from running aground.
- damage resulting from sand, debris, or any other foreign material drawn into the water pump or cooling system components.

* *Leisure-use* is defined by Volvo Penta as engines or power packages exclusively intended for leisure craft application and used only for the owner's personal recreation and are non-revenue generating. It excludes government, commercial or business use, whether defined as income producing or for tax considerations.

** *Please note that not all engine models in this series are approved for commercial-use by Volvo Penta.*

*** *See page 16 for diesel engine ratings and definitions.*

- any Volvo Penta product that is damaged as a result of stray-current corrosion or galvanic corrosion that results from lack of maintenance of or use of incorrect anodes.
- any Volvo Penta product that has been used for racing or in the preparation for racing; has been altered or modified so as to adversely affect its operation, performance or durability or that has been altered or modified to change its intended use.
- repairs made necessary by normal wear and tear, or by the use of parts, accessories, lubricants or fuels which, in the reasonable judgment of Volvo Penta, are either incompatible with the Volvo Penta product or adversely affect its operation, performance or durability.
- transportation of the product to and from the servicing dealer; charges for towing, haul-out, launch, storage, fuel or lubricant usage, premium (air or overnight) freight charges; rental costs of any type; and excessive time necessary to remove boat partitions, hatches or decks to gain service access. This warranty does not cover other incidental or consequential expenses including loss of use of the engine, drive train or boat, loss of income, or inconvenience.
- component or product wear. The wear rate on any engine or part will vary with operating conditions and environment. Operating conditions such as load, quality of air, fuel, oil, oil and air filters have a direct relationship to the wear rate and life of the engine or part.
- parts that are damaged by non-covered parts.
- failures that result from the use of an incorrect gear ratio or transmission not approved for use by Volvo Penta.

Note: Warranty travel time allowance for leisure or commercial-use is limited to 250 miles and 5 hours per roundtrip repair from the nearest servicing Volvo Penta Diesel Dealer during the first two years only. There is no travel allowance after the initial two years.

Owner's Responsibility

As the Volvo Penta 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 engine. This record of proper maintenance may be required to determine warranty coverage on certain repairs and should be transferred to each subsequent owner. While Volvo Penta cannot deny warranty coverage solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance, Volvo Penta may deny coverage if your Volvo Penta engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your Volvo Penta product to a Volvo Penta authorized dealer as soon as a problem exists and use all reasonable means to protect the product from further damage. The warranty repairs will be completed in a reasonable amount of time.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the Americas, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100.

Other Information

This warranty is only valid for vessels registered and/or normally operated within the United States, Canada, and other selected areas including Bermuda, Puerto Rico, Bahamas, U. S. Virgin Islands, Saipan, and Guam. The warranty (if any) for vessels operated outside these areas is described in the AB Volvo International Warranty statement. Copies of the International Warranty Statement are available from Volvo Penta Consumer Relations Department.

Note: Outside the U.S. and Canada, there may be additional charges based on local practices and conditions. These charges may include, but are not limited to; freight, insurance, taxes, import duties, and/or other financial charges, including those levied by local governments and their respective agencies. These charges are not covered by the Volvo Penta Limited Warranty and are the responsibility of the retail purchaser.

Volvo Penta reserves the right to change or improve the design of any Volvo Penta product without assuming any obligation to modify any Volvo Penta product previously manufactured.

REMEDIES AND EXCLUSION OF CERTAIN DAMAGES

Any part of the Volvo Penta engine or power package that is covered by this warranty and that is found in the reasonable judgment of Volvo Penta to be defective in materials or workmanship will be repaired or replaced at Volvo Penta's option. If a problem occurs, the owner must present the product to an authorized Volvo Penta Dealer in a timely manner. All warranty repairs will be made by an authorized Volvo Penta Diesel Dealer at no charge during the warranty period and within a reasonable period of time during the dealer's normal business hours. Parts replacement will be made using genuine new or remanufactured Volvo Penta parts. Volvo Penta's responsibility in respect to warranty claims is limited to making the required repairs or replacements. All parts will be shipped via standard ground methods. Engines or parts provided under this warranty assume the identity of the engine or part being replaced and are entitled to the remaining warranty coverage only.

THE REPAIR AND REPLACEMENT REMEDIES DESCRIBED IN THIS WARRANTY STATEMENT ARE THE OWNER'S SOLE AND EXCLUSIVE REMEDY. IN NO EVENT SHALL VOLVO PENTA BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. THE TERMS, LIMITATIONS AND DISCLAIMERS CONTAINED IN THIS LIMITED WARRANTY, AS WELL AS THOSE DOCUMENTS PREPARED IN CONJUNCTION WITH THE SALE OF VOLVO PENTA PRODUCTS, MAY NOT BE MODIFIED, ALTERED, OR WAIVED BY ANY ACTION, INACTION OR REPRESENTATIONS, WHETHER ORAL OR IN WRITING, EXCEPT UPON THE EXPRESSED, WRITTEN AUTHORITY OF A MANAGEMENT LEVEL EMPLOYEE OF VOLVO PENTA.



Volvo Penta of the Americas, LLC
1300 Volvo Penta Drive
Chesapeake, VA 23320

MARINE DIESEL ENGINE (D1 through D3) POWER PACKAGE *LIMITED WARRANTY*

What is Warranted

Leisure Use – Volvo Penta of the Americas, LLC warrants that new, leisure-use* marine diesel power packages (engine, transom shield, sterndrive, Volvo Penta branded marine transmission, advanced propulsion system, jackshaft and engine accessories) will be free from defects in material or workmanship for a period of two years or 600 hours, whichever occurs first. Engine-only packages (new engines sold without transom shields, sterndrives or transmissions) are warranted for a period of one year or 300 hours, whichever occurs first, unless installed with a Volvo Penta approved transom shield, sterndrive or transmission.

Commercial Use – Volvo Penta of the Americas, LLC warrants that new approved** commercial-use marine diesel power packages (engine, transom shield, Volvo Penta branded marine transmission, advanced propulsion system, jackshaft and engine accessories) will be free from defects in material or workmanship for a period of one year or 400 hours, whichever occurs first, for ratings 1, 2, 3 and 4***. In addition, the following base engine components are warranted for an additional two years or 2,400 operational hours, whichever occurs first: Cylinder block casting, crankshaft forging, connecting rods, camshaft forging, front transmission cover, flywheel housing, intake manifold, exhaust manifold, fresh water pump housing, oil pan. During the second year of the warranty period, parts that are damaged by non-covered parts are not covered by this warranty. The warranty for sterndrives used in commercial applications is one year/800 hours for rating 4 whichever occurs first, and one year/400 hours for rating 5, whichever occurs first. Engines with rating 5*** when used in a charter application of six or fewer passengers are warranted for a period of one year or 400 hours, whichever occurs first. No other commercial uses of engines with rating 5*** are approved or warranted.

OceanX - Volvo Penta of the Americas, LLC warrants that each new Volvo Penta OceanX transom shield and sterndrive will not fail mechanically as a direct result of corrosion for a period of four years.

The warranty commences on the date of delivery to the first retail purchaser, or when the Product has been operated for 50 hours, or on the first day of the 25th month from the date of shipment from Volvo Penta, whichever occurs first, and applies only to warranted defects first arising and reported to Volvo Penta or one of its authorized service centers during the applicable warranty period. During the warranty period, the warranty is transferable to subsequent owners. Volvo Penta products are eligible for this warranty only if registered with Volvo Penta. Submission of the Warranty Registration and other suitable dated proof of purchase is required for registration and warranty coverage.

LIMITATION AND DISCLAIMER OF IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

TO THE EXTENT PERMITTED BY APPLICABLE LAWS:

- 1. VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY AS TO ANY PRODUCT OR PART, WHETHER OR NOT THAT PRODUCT OR PART IS COVERED BY ANY EXPRESS WARRANTY CONTAINED HEREIN;**
- 2. VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF;**
- 3. IN THOSE JURISDICTIONS WHERE IMPLIED WARRANTIES MAY NOT BE DISCLAIMED, ANY IMPLIED WARRANTY IS LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTIES DESCRIBED IN THIS WARRANTY STATEMENT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.**
- 4. THE REPAIR OR REPLACEMENT OF PARTS OR THE PERFORMANCE OF SERVICE UNDER THIS WARRANTY DOES NOT EXTEND THE LIFE OF THIS WARRANTY BEYOND ITS ORIGINAL EXPIRATION DATE.**

What is Not Covered by the Warranty

This warranty does cover any of the following:

- Bosch fuel injection equipment or Bosch electrical components. These items are warranted separately by the Robert Bosch Corp. The Robert Bosch warranty is available at www.boschservice.com
- marine transmissions, jackshafts and other components not branded by Volvo Penta. These components may be warranted by their respective manufacturers.
- Volvo Penta products sold or transferred as part of an AS IS transaction without warranties.
- transportation of the product to and from the servicing dealer, premium (air or overnight) freight charges; charges for towing, haul-out, launch, storage, fuel or lubricant usage; rental costs of any type; and excessive time necessary to remove boat partitions, hatches or decks to gain service access.
- incidental or consequential expenses including loss of use of the engine, drive train or boat, loss of income, or inconvenience.
- any Volvo Penta product that has been subject to misuse, neglect, accident or that has been improperly installed, operated or maintained (including lack of maintenance).

* *Leisure-use* is defined by Volvo Penta as engines or power packages exclusively intended for leisure craft application and used only for the owner's personal recreation and are non-revenue generating. It excludes government, commercial or business use, whether defined as income producing or for tax considerations.

** *Please note that not all engine models in this series are approved for commercial-use by Volvo Penta.*

*** *See page 16 for diesel engine ratings and definitions.*

- damage that is the result of rust, corrosion, water entry through the intake or exhaust system, or prolonged or improper storage.
- damage that is the result of running aground.
- damage that is the result of sand, debris, or any other foreign material being drawn into the water pump or cooling system components.
- Volvo Penta product that is damaged as a result of stray-current corrosion or galvanic corrosion that results from lack of maintenance of or use of incorrect anodes.
- Volvo Penta product that has been used for racing or in the preparation for racing; has been altered or modified so as to adversely affect its operation, performance or durability or that has been altered or modified to change its intended use.
- repairs made necessary by normal wear and tear, or by the use of parts, accessories, lubricants or fuels that, in the reasonable judgment of Volvo Penta, are either incompatible with the Volvo Penta product or adversely affect its operation, performance or durability.
- component or product wear. The wear rate on any engine or part will vary with operating conditions and environment. Operating conditions such as load, quality of air, fuel, oil, oil and air filters have a direct relationship to the wear rate and life of the engine or part.
- covered parts that are damaged from non-covered parts.
- failures resulting from use of an incorrect gear ratio or non-Volvo Penta approved transmission.

Note: warranty travel time allowance for leisure or commercial-use is limited to 250 miles and 5 hours per roundtrip repair from the nearest servicing Volvo Penta Diesel Dealer. There is no travel time allowance for commercial applications during the “additional” warranty period.

Owner's Responsibility

As the Volvo Penta 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 engine. This record of proper maintenance may be required to determine warranty coverage on certain repairs and should be transferred to each subsequent owner. While Volvo Penta cannot deny warranty coverage solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance, Volvo Penta may deny coverage if your Volvo Penta engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your Volvo Penta product to a Volvo Penta authorized dealer as soon as a problem exists and use all reasonable means to protect the product from further damage. The warranty repairs will be completed in a reasonable amount of time.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the America's, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100.

Other Information

This warranty is only valid for vessels registered and/or normally operated within the United States, Canada, and other selected areas including Bermuda, Puerto Rico, Bahamas, U. S. Virgin Islands, Saipan, and Guam. The warranty (if any) for vessels operated outside these areas is described in the AB Volvo International Warranty statement. Copies of the International Warranty Statement are available from Volvo Penta Consumer Relations Department.

Note: Outside the U.S. and Canada, there may be additional charges based on local practices and conditions. These charges may include, but are not limited to; freight, insurance, taxes, import duties, and/or other financial charges, including those levied by local governments and their respective agencies. These charges are not covered by the Volvo Penta Limited Warranty and are the responsibility of the retail purchaser.

Volvo Penta reserves the right to change or improve the design of any Volvo Penta product without assuming any obligation to modify any Volvo Penta product previously manufactured.

REMEDIES AND EXCLUSION OF CERTAIN DAMAGES

Any part of the Volvo Penta engine or power package that is covered by this warranty and that is found in the reasonable judgment of Volvo Penta to be defective in materials or workmanship will be repaired or replaced at Volvo Penta's option. If a problem occurs, the owner must bring the product to a authorized Volvo Penta Diesel Dealer in a timely manner except as stated above in Travel Time. All repairs (except for those listed under *What is Not Covered by the Warranty*) will be made by the authorized Volvo Penta Diesel Dealer at no charge during the warranty period. Repairs will be made within a reasonable period of time during the dealer's normal business hours. Parts replacement will be made using genuine new or remanufactured Volvo Penta parts. Volvo Penta's responsibility in respect to warranty claims is limited to making the required repairs or replacements. All parts will be shipped via standard ground methods. Engines or parts provided under this warranty assume the identity of the engine or part being replaced and are entitled to the remaining warranty coverage only.

THE REPAIR AND REPLACEMENT REMEDIES DESCRIBED IN THIS WARRANTY STATEMENT ARE THE OWNER'S SOLE AND EXCLUSIVE REMEDY. IN NO EVENT SHALL VOLVO PENTA BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. THE TERMS, LIMITATIONS AND DISCLAIMERS CONTAINED IN THIS LIMITED WARRANTY, AS WELL AS THOSE DOCUMENTS PREPARED IN CONJUNCTION WITH THE SALE OF VOLVO PENTA PRODUCTS, MAY NOT BE MODIFIED, ALTERED, OR WAIVED BY ANY ACTION, INACTION OR REPRESENTATIONS, WHETHER ORAL OR IN WRITING, EXCEPT UPON THE EXPRESSED, WRITTEN AUTHORITY OF A MANAGEMENT LEVEL EMPLOYEE OF VOLVO PENTA.

RATING CATEGORIES USED FOR MARINE DIESEL ENGINES***

Rating 1: HEAVY DUTY COMMERCIAL

This power rating includes commercial fishing vessels with displacement hulls in heavy operation and an unlimited number of running hours per year.

- *Typical boats:* Coastal fishing boats, tug and push boats, and ferries.
- Load and speed can be constant, and full power can be used without interruption.

Rating 2: MEDIUM DUTY COMMERCIAL

This power rating includes commercial fishing vessels with semi-planing or displacement hulls in cyclical operation running less than 3,000 hours per year.

- *Typical boats:* Most patrol and pilot boats, coastal fishing boats in cyclical operation (gill-netters, purse seiners, light trawlers), passenger boats and coastal freighters with short trips.
- Full power can be utilized a maximum of four hours per 12-hour operational period. Between full-load operation periods, engine speeds should be reduced at least 10% from the obtained full-load engine speed.

Rating 3: LIGHT DUTY COMMERCIAL

This power rating includes commercial vessels with high demands on speed and acceleration, planing or semi-planing hulls in cyclical operation running less than 2,000 hours per year.

- *Typical boats:* Fast patrol, rescue, police, light fishing, fast passenger, taxi boats, etc.
- Full power can be utilized a maximum of two hours per 12-hour operational period. Between full-load operation periods, engine speed should be reduced at least 10% from the obtained full-load engine speed.

Rating 4: SPECIAL LIGHT DUTY COMMERCIAL

This power rating includes light planing craft in commercial operation running less than 800 hours per year.

- *Typical boats:* High speed patrol, rescue, Navy, Coast Guard, and special high speed fishing boats and charter fishing boats*. These vessels must have a configuration and a power to weight ratio that provides for a cruising of 25 knots minimum.
- Full power can be utilized a maximum of one hour per 12-hour operational period. Between full load operation periods, engine speed should be reduced at least 10% from the obtained full-load engine speed.

Rating 5: LEISURE DUTY

This power rating is intended for leisure (pleasure) craft applications only, which presumes operation by the owner for his/her recreation running less than 300 hours per year.

- Full power can be utilized a maximum of one hour per 12-hour operational period. Between full-load operation periods, engine speed should be reduced at least 10% from the obtained full-load engine speed.



Volvo Penta of the Americas, LLC

1300 Volvo Penta Drive
Chesapeake, VA 23320
757.436.5100

REPLACEMENT PARTS AND ACCESSORIES LIMITED WARRANTY

What is Warranted

Volvo Penta of the Americas, LLC warrants that new or factory replacement parts and accessories will be free from defects in material or workmanship for a period of one year. The warranty period for sterndrives used in commercial applications is one year or 800 hours, whichever occurs first.

The warranty commences on the date the part or accessory is first sold by an authorized Volvo Penta Dealer or Distributor, or if installed in a new vessel or equipment by an Original Equipment Manufacturer, the date of first retail purchase or from the date put into service as a demonstrator and applies only to warranted defects first arising and reported to Volvo Penta or one of its authorized service centers during the applicable warranty period. During the warranty period, the warranty is transferable to subsequent owners. Suitable dated proof of purchase such as a retail receipt or work order is required to obtain warranty coverage.

LIMITATION AND DISCLAIMER OF IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

TO THE EXTENT PERMITTED BY APPLICABLE LAWS:

- 1. VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY AS TO ANY PRODUCT OR PART, WHETHER OR NOT THAT PRODUCT OR PART IS COVERED BY ANY EXPRESS WARRANTY CONTAINED HEREIN;**
- 2. VOLVO PENTA DOES NOT MAKE ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF;**
- 3. IN THOSE JURISDICTIONS WHERE IMPLIED WARRANTIES MAY NOT BE DISCLAIMED, ANY IMPLIED WARRANTY IS LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTIES DESCRIBED IN THIS WARRANTY STATEMENT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.**
- 4. THE REPAIR OR REPLACEMENT OF PARTS OR THE PERFORMANCE OF SERVICE UNDER THIS WARRANTY DOES NOT EXTEND THE LIFE OF THIS WARRANTY BEYOND ITS ORIGINAL EXPIRATION DATE.**

What is Not Covered by the Warranty

- Volvo Penta parts that were sold as part of an engine or power systems package.
- any Volvo Penta product that has been subject to misuse, neglect, accident, or that has been improperly installed, operated, or maintained. This warranty does not apply to any damage that is the result of rust or corrosion.
- any Volvo Penta product that has been used for racing or in the preparation for racing; has been altered or modified so as to adversely affect its operation, performance or durability; or that has been altered or modified to change its intended use.
- any Volvo Penta product sold or transferred in an AS IS transaction without warranties.
- costs to modify fuel systems or gear ratios needed to meet local altitude requirements.
- repairs made necessary by normal wear and tear, or by the use of parts, accessories, lubricants, or fuels which, in the reasonable judgment of Volvo Penta, are either incompatible with the Volvo Penta product or adversely affect its operation, performance, or durability.
- travel to or from the product or transportation of the product to and from the servicing dealer or distributor; charges for towing, haul-out, launch, storage, fuel or lubricant usage, premium (air or overnight) freight charges; rental costs of any type; and excessive time necessary to gain service access, or any other incidental or consequential expenses including loss of use of the engine, drive train or boat, loss of income, or inconvenience.
- labor charges for removal or reinstallation of the failed part or accessory unless the part or accessory was originally installed by an authorized Volvo Penta Dealer, Distributor or Original Equipment Manufacturer.
- Covered parts that are damaged from non-covered parts.
- Any failure of components damaged by the use of modified or cupped propellers.

Owner's Responsibility

The operation, maintenance, and care of the Volvo Penta part or accessory must follow the same guidelines established for the engine and power package as outlined in the Operator's Manual and are the owner's responsibility. You shall use all reasonable means to protect the Product from further damage. The owner must keep records of all maintenance services performed. This record of proper maintenance and service may be required to determine warranty coverage on certain repairs and should be transferred to each subsequent owner. If you are not sure of the proper maintenance procedures, contact the Volvo Penta Service Department.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Penta Consumer Affairs Department at Volvo Penta of the America's, 1300 Volvo Penta Drive, Chesapeake, VA 23320. Our telephone number is 1-757-436-5100.

Other Information

This warranty is only valid within the United States, Canada, and other selected areas including Bermuda, Puerto Rico, Bahamas, U. S. Virgin Islands, Saipan, and Guam. The warranty (if any) for parts and accessories outside these areas is described in the AB Volvo International Warranty statement. Copies of the International Warranty Statement are available from Volvo Penta.

Note: Outside the U.S. and Canada, there may be additional charges based on local practices and conditions. These charges may include, but are not limited to, freight, insurance, taxes, import duties, and or other financial charges including those levied by local governments and their respective agencies. These charges are not covered by the Volvo Penta Warranty and are the responsibility of the retail purchaser.

Volvo Penta reserves the right to change or improve the design of any Volvo Penta product without assuming any obligation to modify any Volvo Penta product previously manufactured.

To obtain copies of this warranty, please contact Volvo Penta of the Americas, LLC at the address on page 4 of this document.

REMEDIES AND EXCLUSION OF CERTAIN DAMAGES

Any Volvo Penta part or accessory that is covered by this warranty and that is found in the reasonable judgment of Volvo Penta to be defective in materials or workmanship will be repaired or replaced at Volvo Penta's option. If a problem occurs, the owner must bring the part or accessory to an authorized Volvo Penta Dealer or Distributor in a timely manner. All repairs (except for those listed under *What is Not Covered by the Warranty*) will be made by an authorized Volvo Penta Dealer or Distributor at no charge during the warranty period. Repairs will be made within a reasonable period of time during the dealer or distributor's normal business hours. Parts replacement will be made using genuine new or remanufactured Volvo Penta parts. Volvo Penta's responsibility with respect to warranty claims is limited to making the required repairs or replacements. All parts will be shipped via standard ground methods. Labor to remove and replace the part or accessory will only be covered if the part or accessory was originally installed by an Authorized Volvo Penta Dealer, Distributor or Original Equipment Manufacturer. THE REPAIR AND REPLACEMENT REMEDIES DESCRIBED IN THIS WARRANTY STATEMENT ARE THE OWNER'S SOLE AND EXCLUSIVE REMEDY. IN NO EVENT SHALL VOLVO PENTA BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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GENERAL PRE-DELIVERY INSPECTION FOR ALL GASOLINE DRIVE SYSTEMS

To insure the highest level of product satisfaction and reliability, Volvo Penta requests that the delivering dealer complete the following **Pre-Delivery Inspection** checklist and keep a copy on file.

- Check tightness of all engine mounting bolts.
- Check tightness of transom shield mounting hardware.
- Check tightness of sterndrive or IPS mounting hardware.
- Inspect all bellows for proper installation and, where applicable, the markings "UP" and "Drive" are oriented correctly.
- Check tightness of bellows clamps and all hoses.
- Check engine alignment using appropriate alignment tool.
- Install sterndrive per Volvo Penta instructions and check tightness of all fasteners.
- Coat propeller shaft with approved grease and install correct size propeller(s).
- If sterndrive or transom shield is to be painted, only use paint expressly developed for this purpose. Do not paint anodes. Do not allow copper base anti-fouling paint to contact the sterndrive, transom shield, or any bonded underwater fittings.
- Check engine and sterndrive lubrication levels. **Caution:** Do not overfill.
- Lubricate all grease fittings and linkages following service recommendations.
- For inboard transmission systems, check propeller shaft alignment, tightness of shaft flange fasteners, stuffing box operation, and fluid level in inboard transmission.
- Check fluid levels in the power trim system and if equipped, the power steering and fresh water cooling systems.
- Check drive belt(s) tension.
- Check steering for correct operation and tightness of all fasteners. The steering arm should not contact the transom cut-out at full travel.
- Check battery condition, including battery cable connections and minimum amp requirements.
- Check wiring harness connections for tightness. Secure any loose wiring.
- Check tightness of all water, fuel, and exhaust clamps, fittings and drain plugs.
- Check tightness of flame arrestor.

Start engine and check that:

- No leakage of fuel, water or exhaust gas occurs.
- Engine oil pressure and voltage readings are normal.
- Check that engine temperature and charging systems are within specifications throughout RPM range.
- All gauges, instruments, and alarms operate correctly.
- All steering, shift, and throttle controls operate correctly.
- Engine ignition timing and idle RPM are within specifications.
- Power trim operates correctly.
- Water test boat to insure correct operation of steering, shift/throttle controls, and instrumentation. Check to insure that Wide Open Throttle engine RPM is within recommended range with customer's typical load.

Review with the new owner/operator:

- Operator's manual and power package operation including controls and instruments.
- Service and maintenance schedules including First Service.
- Warranty statement and owner's obligations, and Volvo Action Service.

Complete the Volvo Penta Warranty Registration by obtaining all serial numbers directly from the product serial number plates and enter the information online or mail the registration card.

Pre-delivery Inspection labor and any parts expense are not covered by the Volvo Penta Limited Warranty.

SAMPLE- The First Launch Commissioning should be performed by an authorized Volvo Penta servicing dealer.

VOLVO PENTA OF THE AMERICAS, LLC

Diesel First Launch Commissioning Checklist and Payment Application

Engine Model	S/N	Hull or Certificate No	
Transmission brand	Model	Ratio	S/N
Prop size	Prop Rotation	Single/Dual station	
Single/Twin Installation		Port/Starbord Engine	
Boat Brand	Model	Year	L.O.A
Weight as tested (lbs):	Fuel: E ¼ ½ ¾ F	Water: : E ¼ ½ ¾ F	
Additions : Tower Canvas Genset Dingy Davits Bottom Paint Other:			
Application:	Commercial Pleasure	Hours	Rating: 1 2 3 4 5 HP:
Inspecting Dealership:			
Street Address		(City)	(State) (Zip)
Dealer Number	PDC Claim number	Phone Number	

INSTALLATION CHECK

Engine securely lagged or bolted down	Oil level, engine, and transmission
EDC installed to Volvo Penta specifications	Fuel lines, tank vents and fittings proper and secure
Couplings secure	Primary filter secure; no leaks
Sea cock open; not leaking	Shaft logs/stuffing box; no leaks
Sea strainer secure; no leaks	Battery polarity/switches ok

ENGINE CHECK – BEFORE STARTING

Controls – operation/adjustment	Fuel system primed; vented; no leaks
Belts – condition and adjustment	Warning lights; alarms working
Cooling system – filled and purged	All water and oil drains tight

ENGINE CHECK – AFTER STARTING

Oil pressure – cold	Recheck transmission oil
Exhaust system – no leaks	Oil leaks: engine transmission
Sea water cooling supply – no leaks	Max RPM no load
Fresh water cooling system – no leaks	Idle speed neutral
All instruments reading normally	Alternator output: Volts

SEA TRIAL Conditions: Ambient Temperature:

Seas:

Wind:

Oil pressure – hot	Turbo boost, max throttle
Water temperature – hot	Turbo boost, cruise throttle
Verified max RPM underway	All systems normal during test
Reference RPM/Speed (300 RPM below rated RPM) average up/downwind : RPM mph/kn	
Maximum speed up-wind: mph/kn	Maximum speed down-wind: mph/kn
Speed measured by: GPS Radar Gun Other	Alignment acceptable: Yes Needs adj.

WHEN BOAT IS IN POSSESSION OF RETAIL OWNER – COMPLETE THE FOLLOWING

Owner's name and address

Warranty registration card mailed	Volvo Action Service explained to owner
Warranty terms explained	Maintenance schedule reviewed
Explain EVC operation (if equipped)	Owner's manual reviewed



Volvo Penta of the Americas, LLC

1300 Volvo Penta Drive

Chesapeake, VA 23320

757-436-5100

FAX 757-436-5152

PRODUCT REGISTRATION UPDATE FORM

This form is to be used to update owner information with Volvo Penta of the Americas, LLC in the event of a change of address or transfer of ownership. Fax or Mail to the above address.

Product Information:

Engine serial number(s) _____

Drive / transmission serial number(s) _____

Request type:

Change of address Change of ownership

New owner and / or new address information (proof of ownership required):

Name _____

Address _____

City _____ State _____ ZIP _____

For transfer of ownership only:

Original owner (if known) _____

Reselling dealer (if any) _____ Transfer date _____

Contact in the event that additional information is needed (proof of ownership required):

Contact Name _____

Telephone _____ Fax _____ E-Mail _____

**VOLVO
PENTA**

Volvo Penta of the Americas, LLC.

1300 Volvo Penta Drive
Chesapeake, VA 23320