

VOLVO PENTA INBOARD DIESEL MD2020

3-cylinder, freshwater-cooled marine diesel engine
Crankshaft power* 13.8 kW (19 hp)

* Crankshaft power according to ISO-8665.

The MD2020 is a marine engine of advanced design manufactured from quality components and designed to fulfil customer requirements.

Service Life

The MD2020 is fitted with freshwater cooling as standard. This reduces internal corrosion and enables the engine to maintain a consistent and optimal working temperature under all conditions.

To avoid galvanic corrosion the engine is equipped with the unique electrical isolation between engine and transmission.

Comfort

Smooth running with very low vibration levels results from a dynamically balanced design incorporating a flywheel of high rotating mass and high efficiency rubber isolation.

The engine's high torque provides excellent operating characteristics to aid maneuvering, particularly in confined spaces.

Additional on board comfort features are available from an extensive range of matched accessories.

Environment

An advanced combustion system increases fuel burning efficiency to minimize noxious exhaust emissions and enhance overall enjoyment of boating. The MD2020 is certified according to BSO II, SA/V and US/EPA.

Transmissions

Six matched transmission options are available, each built for durability and smooth running.

Technical description:

Engine and block

- Cylinder block and cylinder head manufactured from high grade cast iron. Crankcase features a rigid tunnel block design.
- Chrome molybdenum forged crankshaft,



MD2020 with MD35S
S-Drive

statically and dynamically balanced with integral counterweights. Pistons are cast from high silicon aluminum, are heat treated and fitted with two cast iron, chromium faced compression rings and a single oil ring.

- Replaceable, hardened valve seats
- Elastic coupling on flywheel

Engine mounting

- Tuned front and rear cushion-type rubber mounts. Adjustable.

Lubrication system

- Spin-on fullflow oil filter
- Separate oil scavenger pipe
- Closed circuit crankcase ventilation

Fuel system

- Flange mounted, cam driven in-line injection pump
- Feed pump with hand primer
- Spin-on type line fuel filter

Exhaust system

- Freshwater cooled exhaust manifold and seawater cooled exhaust elbow

Cooling system

- Freshwater cooling system governed by thermostat
- Tubular heat exchanger with integral expansion tank
- Coolant system prepared for hot water outlet fittings
- Easily accessible sea water pump and impeller

Electrical system

- 12V corrosion-protected electrical system
- 14V/60A marine alternator
- Charging regulator with electronic sensor for voltage drop compensation
- Glow plugs for excellent cold starting
- Electric starter motor (0.7 kW output)
- Extension cable harness with plug-in connection available in various lengths

**VOLVO
PENTA**

Volvo Penta Md 2020 Owners Manual

Alan T. Burgess



Volvo Penta Md 2020 Owners Manual:

Volvo Penta MD2010, MD2020, MD2030, MD2040 N N, 2012-05 Workshop Manual for Volvo Penta Marine Engines
MD2010 MD2020 MD2030 MD2040 *VOLVO PENTA MD2010, MD2020, MD2030, MD2040* Volvo Penta, 2014-03-02

VOLVO PENTA MD 5 Volvo Penta, 2015-04-13 *VOLVO PENTA MD 11C, C, MD 17C, D* Volvo Penta, 2014-03-01

Volvo Penta (Seloc) Seloc, 2008 This manual covers the topics that a factory service manual designed for factory trained mechanics and a manufacturer owner's manual designed more by lawyers than boat owners these days covers It will take you through the basics of maintaining and repairing your motor step by step to help you understand what the factory trained mechanics already know by heart Page 1 2 **Yachting**, 1991-03 *The Naval Institute Guide to Combat Fleets of the World 2000-2001* A. D. Baker, III, Arthur David Baker, 2000 This biennially updated reference on the world's naval and paraval forces presents accurate and timely data about the composition of the afloat coastal defense and aviation arms of about 180 countries and territories as well as information about coast guards and other armed maritime government

Volvo Penta Service & Overhaul Manual Alan T. Burgess, 1976 Volvo Penta Service and Overhaul Manual A. T. Burgess, 1994 **Seloc's Volvo Penta Stern Drive** Joan Coles, Clarence W. Coles, 1984 **Volvo Penta Stern Drive Shop Manual 2001-2004** Penton Staff, 2000-05-24 30GS 3 0L in line 4 cylinder 135 HP 43GL 4 3L V 6 160 HP 43GI 4 3L V 6 180 HP 43GXI 4 3L V 6 210 HP 50GL 5 0L V 8 220 HP 50GI 5 0L V 8 250 HP 50GXI 5 0L V 8 270 HP 57GS 5 7L V 8 225 HP 57GS 5 7L V 8 250 HP 57GI 5 7L V 8 280 H *Volvo-Penta Stern Drives, 1992-93* Joan Coles, Clarence W. Coles, 1998-03 SELOC Marine maintenance and repair manuals offer the most comprehensive authoritative information available for outboard inboard stern drive and diesel engines as well as personal watercraft SELOC has been the leading source of how to information for the marine industry since 1974 Designed and written to serve the needs of the professional mechanic do it yourself boat enthusiast instructor and student these manuals are based on actual teardowns done by Chilton Marine's editors authors in our on site facility Providing complete coverage on everything from basic maintenance to engine overhaul every manual features Simple to follow step by step illustrated procedures Hundreds of exploded drawings photographs and tables Troubleshooting sections accurate specifications and wiring diagrams Recognized and used by technical trade schools as well as the U S military Covers all Single SP and Duo Prop DP models powered by Volvo 4 cylinder engines Over 750 illustrations **Volvo Penta AB** Volvo Penta, 1981 *Service Manual for Volvo-Penta Diesel Engines* Volvo Penta (Firm). Technical Publications Department, 1960* Service manual for automotive version of D67C engine fitted in L485 truck

2020 Volvo XC90 Owner Manual Compatible with OEM Owners Manual, Factory Glovebox Book

Helming, 2020-04-10 **Volvo Penta Stern Drives, 1992-03 Repair Manual** Kevin M. G. Maher, 1998 **2020 Volvo V60 Owner Manual Compatible with OEM Owners Manual, Factory Glovebox Book** Helming, 2020-08-28 **Volvo Penta Stern Drive: Comprehensive Guide to Maintenance and Repair** Pasquale De Marco, 2025-04-24 The Volvo Penta

stern drive is a powerful and reliable propulsion system found in a wide range of boats from small runabouts to large cruisers. With proper maintenance and care a Volvo Penta stern drive can provide years of trouble free operation. However even the best maintained stern drive can experience problems from time to time. This comprehensive guide is the perfect resource for boat owners who want to keep their Volvo Penta stern drive in top condition. Written by a team of experienced marine mechanics this book covers everything from routine maintenance tasks to major overhauls. In clear and concise language the authors explain the inner workings of a Volvo Penta stern drive and provide step by step instructions for performing a wide range of maintenance and repair tasks. Whether you're a seasoned boat owner or a first time mechanic this book is a valuable resource that will help you keep your Volvo Penta stern drive running smoothly. Inside you'll find Detailed instructions for performing routine maintenance tasks such as changing the oil and filters inspecting the anodes and lubricating the moving parts. Troubleshooting tips for common problems such as overheating loss of power and shifting issues. Step by step instructions for performing major overhauls including disassembling the drive inspecting the components and replacing worn or damaged parts. Techniques for improving the performance and efficiency of your Volvo Penta stern drive. Expert advice on winterizing and storing your boat. With its wealth of information and easy to follow instructions **Volvo Penta Stern Drive A Comprehensive Guide to Maintenance and Repair** is the ultimate resource for boat owners who want to keep their Volvo Penta stern drive running smoothly for years to come. If you like this book write a review on google books

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Volvo Penta Md 2020 Owners Manual Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has be more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Volvo Penta Md 2020 Owners Manual**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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Table of Contents Volvo Penta Md 2020 Owners Manual

1. Understanding the eBook Volvo Penta Md 2020 Owners Manual
 - The Rise of Digital Reading Volvo Penta Md 2020 Owners Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Volvo Penta Md 2020 Owners Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Volvo Penta Md 2020 Owners Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Volvo Penta Md 2020 Owners Manual
 - Personalized Recommendations
 - Volvo Penta Md 2020 Owners Manual User Reviews and Ratings
 - Volvo Penta Md 2020 Owners Manual and Bestseller Lists
5. Accessing Volvo Penta Md 2020 Owners Manual Free and Paid eBooks

- Volvo Penta Md 2020 Owners Manual Public Domain eBooks
 - Volvo Penta Md 2020 Owners Manual eBook Subscription Services
 - Volvo Penta Md 2020 Owners Manual Budget-Friendly Options
6. Navigating Volvo Penta Md 2020 Owners Manual eBook Formats
- ePub, PDF, MOBI, and More
 - Volvo Penta Md 2020 Owners Manual Compatibility with Devices
 - Volvo Penta Md 2020 Owners Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Volvo Penta Md 2020 Owners Manual
 - Highlighting and Note-Taking Volvo Penta Md 2020 Owners Manual
 - Interactive Elements Volvo Penta Md 2020 Owners Manual
8. Staying Engaged with Volvo Penta Md 2020 Owners Manual
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Volvo Penta Md 2020 Owners Manual
9. Balancing eBooks and Physical Books Volvo Penta Md 2020 Owners Manual
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Volvo Penta Md 2020 Owners Manual
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Volvo Penta Md 2020 Owners Manual
- Setting Reading Goals Volvo Penta Md 2020 Owners Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Volvo Penta Md 2020 Owners Manual
- Fact-Checking eBook Content of Volvo Penta Md 2020 Owners Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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