

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, SAV 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 MS2055
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

- Torsion 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
- Fuel pump with hand primer
- Spin-on type fine fuel filter

Exhaust system

- Freshwater cooled exhaust manifold and seawater cooled exhaust elbow

Cooling system

- Freshwater cooling system governed by thermostat
- Subular 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/160A marine alternator
- Charging regulator with electronic sensor for voltage drop compensation
- Colour 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 Md 2020 Service Manual

Joan Coles,Clarence W. Coles

Volvo Penta Md 2020 Service 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

Programmverzeichnis Maritimepress,2012-05 Aktuelles Gesamtverzeichnis des Verlagsprogramms Stand Mai 2012 Unter
dem Link Leseprobe kann das Gesamtverzeichneis als PDF Datei heruntergeladen werden *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 **Volvo Penta Service & Overhaul Manual** Alan T. Burgess,1976 *Seloc's Volvo Penta Stern Drive*

Joan Coles,Clarence W. Coles,1984 *Workshop Manual* Volvo Penta (Firm),1970 *Workshop Manual* Volvo Penta
(Firm),1970 *Workshop Manual* ,1984 [Workshop Manual](#) ,1985 Pub no 77300424 **Volvo-Penta Stern Drives,**

1992-93 Joan Coles,Clarence W. Coles,1998-03 SELOC Marine maintenance and repair manuals offer the most
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Prop DP models powered by Volvo 4 cylinder engines Over 750 illustrations **Service Mannual for Volvo-Penta Diesel**

Engines Volvo Penta (Firm). Technical Publications Department,1960* Service manual for automotive version of D67C
engine fitted in L485 truck [Service Manual, 2001, 2002, 2003](#) Volvo Penta (Firm),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
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7L V 8 250 HP 57GSI 5 7L V 8 280 H [Volvo Penta Stern Drives, 1992-03 Repair Manual](#) Kevin M. G. Maher,1998

[Volvo S40 and V50 Diesel Owner's Workshop Manual, 07-13](#) Chris Randall,2016-10 *Seloc's Volvo Penta Stern Drive*
Joan Coles,Clarence Coles,1989 **Volvo Service Manual** Volvo, Aktiebolaget,1962

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