

## Presentation

The engines described in this instruction book are diesel engines, in-line marine diesel engines with direct fuel injection and their water cooling and equipped with a turbocompressor and after-cooler for the intake air.

Type designations

Assembled engine	Engine engine	Location of number plate
assembled engine	TAMD60A TAMD60B TAMD60C TAMD60D	Engine: On the plate above the injection pump. TAMD60: On the base in front of the oil filter. Reverse gear: On top (plus 100) on the gear pump housing, port side.

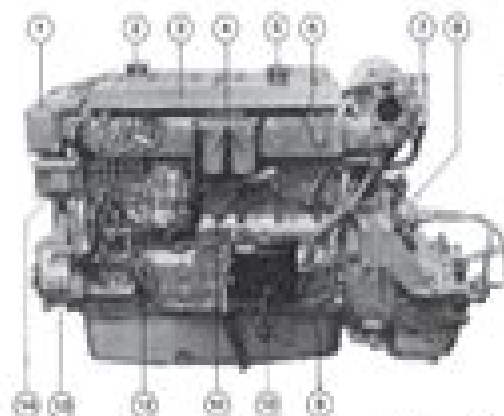


Fig. 1 Engine TAMD60

1. Water pump
2. Cooling fan
3. Air filter
4. Turbocharger
5. After-cooler
6. Fuel filter
7. Fuel pump
8. Injection pump
9. Oil filter
10. Oil pump
11. Oil cooler
12. Water pump
13. After-cooler
14. Turbocharger

Fig. 2 Engine TAMD60

1. Turbocharger
2. Air filter
3. After-cooler
4. Fuel filter
5. Fuel pump
6. Injection pump
7. Oil filter
8. Oil pump
9. Oil cooler
10. Water pump
11. After-cooler
12. Turbocharger
13. Fuel filter
14. Fuel pump

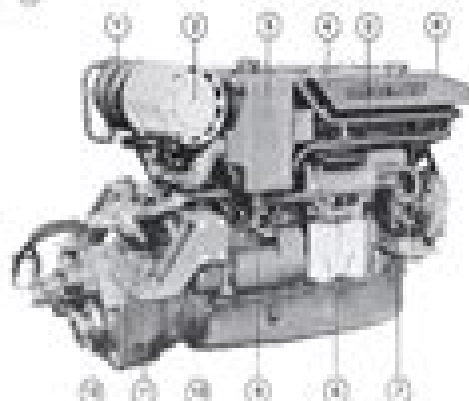


Fig. 3 Engine engine, TAMD60

1. Water pump
2. Cooling fan
3. Air filter
4. Turbocharger
5. After-cooler
6. Fuel filter
7. Fuel pump
8. Injection pump
9. Oil filter
10. Oil pump
11. Oil cooler
12. Water pump
13. After-cooler
14. Turbocharger



The engines are fitted with a heat exchanger for thermodynamic, controlled fresh water cooling of the engine block, cylinder heads and exhaust manifold. The exhaust manifold cooling pump is designed so that it also cools at the same time.

The engines are lubricated by means of a pressure lubricating system, where an oil pump supplies lubricating oil to all the lubricating points in the correct quantities at all engine speeds. The pistons in the 70-type engines are

cooled by oil film through special nozzles located at the engine block.

The cover part of the pressure lubricating oil is at all times.

The fuel system is well protected from interruptions during running by means of an electric, replaceable fuel filter. On the TAMD60 engines the fuel injection pump is large mounted under the other engine from the pump fitted on a bracket.



Fig. 4 Engine engine, TAMD60

1. Water pump
2. Cooling fan
3. Air filter
4. Turbocharger
5. After-cooler
6. Fuel filter
7. Fuel pump
8. Injection pump
9. Oil filter
10. Oil pump
11. Oil cooler
12. Water pump
13. After-cooler
14. Turbocharger

# Volvo Penta 2003 Manual

**Guillaume Favre**



## **Volvo Penta 2003 Manual:**

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      *Excel 2003 Introduction: Part II* ,      **Mergent International Manual** ,2009

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