

# Service Protocol

Your Volvo Penta engine and its equipment are designed for high reliability and long life. The engines are built to withstand the marine environment, but also to have the smallest possible environmental impact. If the engine and transmission are serviced regularly according to the schedule, these qualities will be retained and unnecessary malfunctions will be avoided.

## Warranty inspection

During the initial period of use a special warranty inspection – a First service inspection – must be carried out by an authorized Volvo Penta workshop. Instructions regarding how this must be done can be found in the Maintenance Schedule below and in the **Warranty and service book**.

C = Clean  
 R = Replace  
 A = Adjust  
 L = Lubricate  
 I = Inspect (Clean, Adjust, Lubricate or Replace if necessary)

FSI, S2 = First time Service Inspection  
 A, B, C, D, E = Type of service (regular service)

## FSI

<b>First Service Inspection, after 50–100 running hours<sup>1)</sup></b>	
Primary Fuel Filter, Draining Water / Contamination	I
Coolant Level	I
Seawater filter	I
Reverse gear, oil and filter	R
Reverse gear, oil strainer	C
<b>Start and warm up engine</b>	
Fault codes (if any)	I
Engine and reverse gear, oil / fuel / water leakage	I
Engine and reverse gear, abnormal noises	I
<b>Stop Engine</b>	
Engine Oil and Oil Filters / By-pass filter	R
<b>Restart engine</b>	
Oil pressure / oil leakage	I

## S2

<b>After the First 1000 Hours</b>	
Valve clearance	I
<b>Every 50 Hours / at Least Every 12 Months</b>	
Primary Fuel Filter, Draining Water / Contamination	I
Seawater filter	I
<b>Every 50–500 Hours / at Least Every 12th Month</b>	
Engine Oil and Oil Filters / By-pass filter <sup>2) 3)</sup>	R

1) Or within 180 days of the date of delivery, or the end of the first season, whichever comes first.

2) Oil change intervals vary, depending on engine type, oil grade and sulfur content of the fuel. See *Technical Data page 99*.

3) Change the filters during each oil change.

**A**

<b>Every 500 Hours / at Least Every 12th Month</b>	
Drive Belts	I
Pressure drop indicator, air filter	I
Seawater pump impeller	I
Zinc anodes	I
Seawater filter	I
Inspection with VODIA (Diagnostic Tool)	I
Reverse gear, oil and filter (ZF)	R
Reverse gear, oil strainer (ZF)	C
Batteries, electrolyte level	I

**B**

<b>Every 1000 Hours / at Least Every 12 Months</b>	
Fuel fine filter	R
Fuel pre-filter, filter insert	R
Reverse gear, oil and filter (Twin Disc)	R
Reverse gear, oil strainer (Twin Disc)	C
Air filter insert	R
Coolant Filter	R
Engine and reverse gear, inspection for leakage	I
Engine and reverse gear, inspect hoses and cable clamping	I
Engine and reverse gear, cleaning / painting	I
Flush pump / Bilge pump, impeller	I

**C**

<b>Every 2000 Hours</b>	
Valve clearance	I

**D**

<b>Every 2000 Hours / at Least Every 24th Month</b>	
Turbo	I
Drive Belts <sup>4)</sup>	I
Seawater pump impeller	R

**E**

<b>Every 4000 hour / at Least Every 24 month</b>	
Drive Belts	R
Coolant	R

<sup>4)</sup> Drive belt and belt tensioner.