

Longblock Installation Checklist

Longblock Serial Number: _____

Submission of this form is required to qualify for the 3 year warranty period. The completed form must be submitted to **support.vpa.longblockregistration@volvo.com** within 30 days of engine installation.

The following procedures must be completed **BEFORE** the engine is started for the first time.

Check each item that has been completed

Longblock

☐ Check the replacement engine is correct for the engine that is being replaced

Failure Analysis

☐ The root cause of the original engine failure has been determined and corrected.

Root Cause: _____

☐ Fault codes have been analyzed and cleared.

Fault codes found: _____

Lubrication System

☐ Replace all oil lines.

☐ A new oil filter has been filled with oil and installed.

☐ Replace oil cooler (8.1 liter only)

☐ **The oil system has been primed per the instructions.** PSI: _____

Fuel System

☐ The fuel system has been cleaned of all old fuel, including boat fuel tank.

☐ The fuel system connections have been checked for security.

☐ A new fuel filter has been installed.

☐ Test the fuel injectors for proper operation.

☐ Check anti-siphon valve for proper operation.

☐ Test fuel pump and fuel rails.

Intake Manifold

☐ The intake manifold has been thoroughly cleaned and checked for damage and debris.

☐ On Port fuel injected models with two piece intake manifolds, separate the upper and lower manifolds to thoroughly clean the manifold assembly.

Exhaust System

☐ The exhaust manifolds have been cleaned and pressure checked for leaks.

Cooling System

☐ The raw water pump housing has been inspected for wear.

☐ A new raw water pump impeller has been installed.

☐ Check hoses for collapsed hoses or cracks.

☐ Check thermostat for proper operation.

☐ The heat exchanger has been thoroughly cleaned and checked for leaks.

☐ Proper coolant has been filled to the correct level.

☐ Cooling system has been bled according to instructions.

Emissions Systems

- ☐ Check the catalytic converter elements for damage.
- ☐ Check for diagnostic codes.
- ☐ Check PCV valve for proper operation. (if used)

Ignition System

- ☐ Correct new spark plugs installed. (8.1 liter comes with new spark plugs).
Part number: _____ Gap: _____
- ☐ Check the distributor cap and rotor for cracks, **corrosion** and wear. 8.1 liter, check for cracked coil towers and spark plug wires.

Starting, Charging, Fuses and Relays.

- ☐ Check starter and alternator for proper operation.
- ☐ Check for blown fuses and inoperative relays.

The following procedures must be completed **AFTER** the engine is started for the first time.

Check each item that has been completed

- ☐ Check for diagnostic trouble codes.
- ☐ Check for fuel leaks.
- ☐ Check for oil leaks.
- ☐ Check for water leaks.
- ☐ Check for coolant leaks.
- ☐ Check for exhaust leaks.
- ☐ Power steering fluid leaks.
- ☐ All leaks corrected prior to delivery.
- ☐ Check for WOT _____ RPM.
- ☐ Running fuel rail pressure is _____ PSI.

Customer Name _____

Dealer Name/Address _____

Name of Technician _____

Longblock Manufacture Date _____

Longblock Serial Number _____

Original Engine Serial Number _____

Date of Completion _____

Comments:

I certify, based on information and belief formed after reasonable inquiry, the statements and information contained in this document is true, accurate and complete.

Initial: _____

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