

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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