

NOMECLATURE WHITEBLOCK ENGINES

Volvo **Whiteblock engines** were produced from **1990 to 2016**, with some variants continuing slightly beyond in limited use.

? Key Details:

- "**Whiteblock**" refers to a family of modular Volvo engines with an aluminum (hence the term "white") engine block and head.
- Used across **inline-5**, **inline-6**, and **inline-4** configurations.
- Known for their **modularity, durability, and turbocharged performance**.

?? Production Years by Engine Type:

Engine Type	Years Produced	Notes
Inline-5	1991-2016	Found in 850, S70, V70, C70, S60, XC90, etc.
Inline-6	1990-1998 (RWD)	960/S90/V90 (B6304, B6294)
	2006-2016 (FWD/AWD)	Used in S80, XC60, XC90 (3.0T, 3.2)
Inline-4	1996-2004	Less common; seen in S40/V40 and some Euro markets

The engine codes consist of a series of letters and digits. The actual, broadly used engine code is 7 or 8 characters long. Hybrid models can have a second engine code that is 7 characters long, mild hybrids engine codes are 6 characters long. Different, more general engine codes are used for some certification and approval documents and are 6 to 8 characters long. An additional 2 characters are used to identify each specific engine variant with an *MP* or *HP* suffix to differentiate performance.

The engine codes consist of a series of letters and digits:

- 1st: Fuel type (B/D/GB) **B** = Bensin (Petrol), **D** = Diesel, **GB**= Gas & Bensin
- 2nd: Number of cylinders (4/5/6)

- 3rd & 4th: Approximate displacement in deciliters, may be rounded up or down. (23 ~ = 2.3 L)
- 5th: Valves per cylinder (2/4)
- 6th: Induction method (S/T/F/G/GS/FS/FT/SG)
- 7th: Engine generation or engine variant (2/3/4/5/6/7/8/9/10/11)

S = standard (naturally aspirated),
T = turbocharged,
F = fuel injection with catalytic converter,
G = leaded fuel compatible,
GS = leaded fuel compatible, naturally aspirated,
GS = leaded fuel compatible, naturally aspirated,
FS = fuel injected standard (naturally aspirated) with catalytic converter
FT = fuel injected, turbocharged with catalytic converter,
SG = standard (naturally aspirated) compatible with alternative fuels (LPG / CNG)

Engine codes are not necessarily unique to a specific engine as power levels can vary depending on market, manufacturer and model.

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