

SWINDON[®]

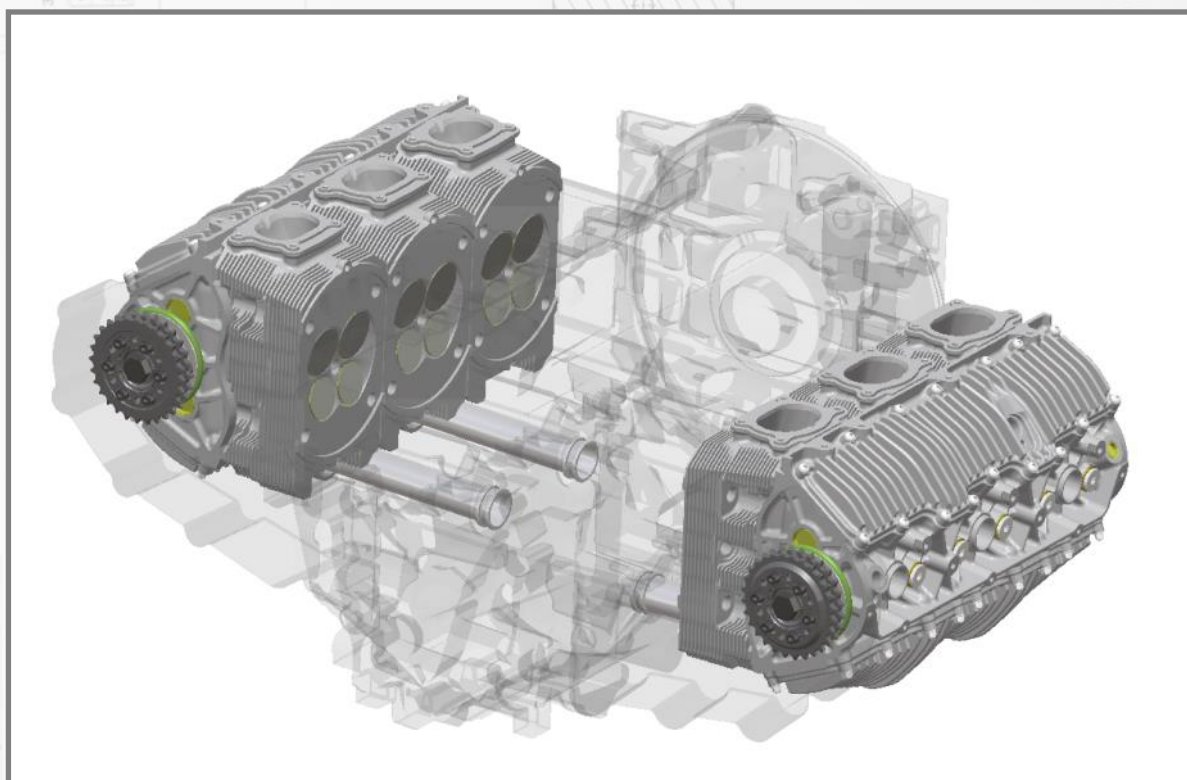
POWERTRAIN



24 valve cylinder head kit
for M64 engines (Porsche 964 & 993)

24 valve air cooled cylinder head kit for Porsche M64 engines

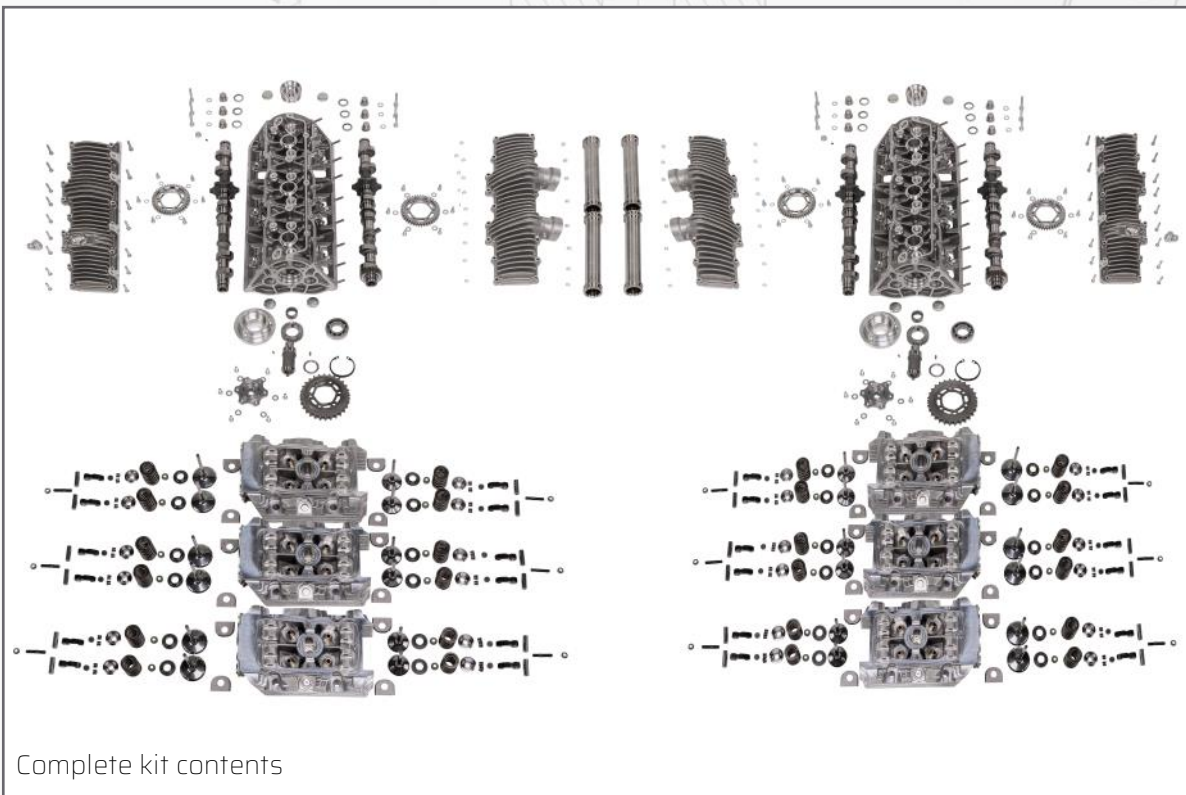
Swindon Powertrain's M64 cylinder head kit has been designed to deliver a significant increase in performance through increased breathing efficiency and higher rpm capabilities.



The 24 valve cylinder head kit designed by Swindon Powertrain has been engineered to provide notable increases in power and torque for vehicles using Porsche M64 air cooled engines. Improvements are achieved via increased air flow through the cylinder head ports, as well as increased engine speed potential (valvetrain designed for up to 12,000rpm). In addition to the increase in engine performance the kit is 3.5kg lighter than the standard 993 cylinder heads. The kit has been engineered to fit to a standard engine, and utilise the original cam drive and lubrication system

Kit Major Components

- Cylinder heads
- Inlet & exhaust valves
- Valve springs, caps & collets
- Valve shims
- Finger followers & shafts
- Cam chests
- Camshafts
- Cam drive input shaft & gears
- Cam covers
- Oil drain back tubes
- All non OEM seals & fixings



Complete kit contents

Standard Porsche OEM engine components are not included

Available options

- Power assisted steering drive
- CNC Inlet porting
- Pistons optimised for 24V cylinder heads (100mm / 102.7mm bore)
- Bespoke cam profiles (on request)
- Carbon Fibre Fan Shroud

Technical Data

The 24 valve cylinder head kit from Swindon Powertrain has been designed to utilise the standard 993 lubrication system, air-cooled barrels, crank cases, chain drive system & covers and exhaust system. The kit is compatible with the 997 GT3 intake system and Porsche 718 ignition coils.

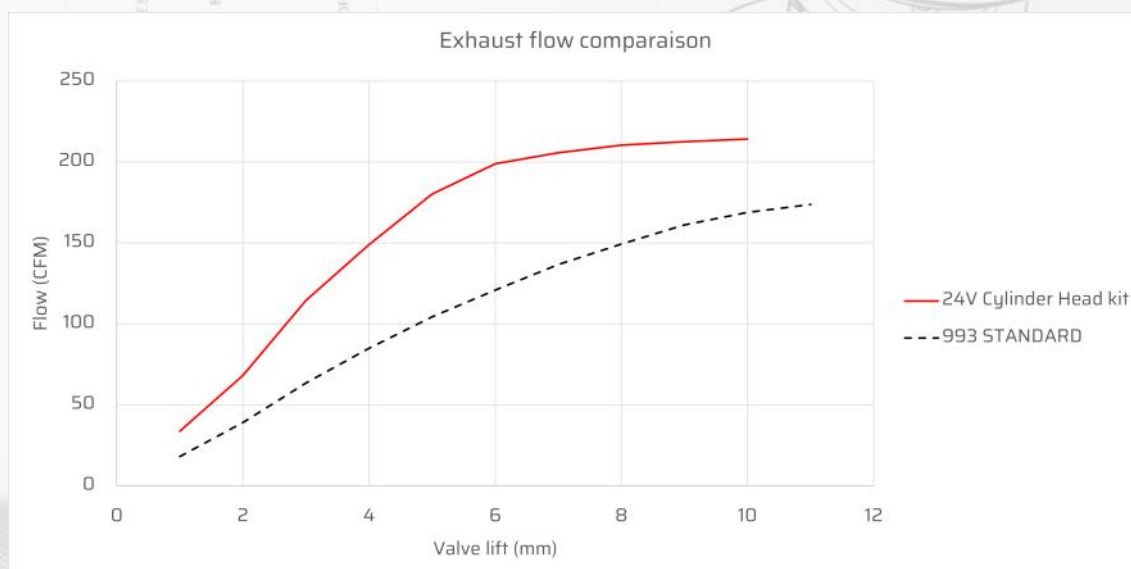
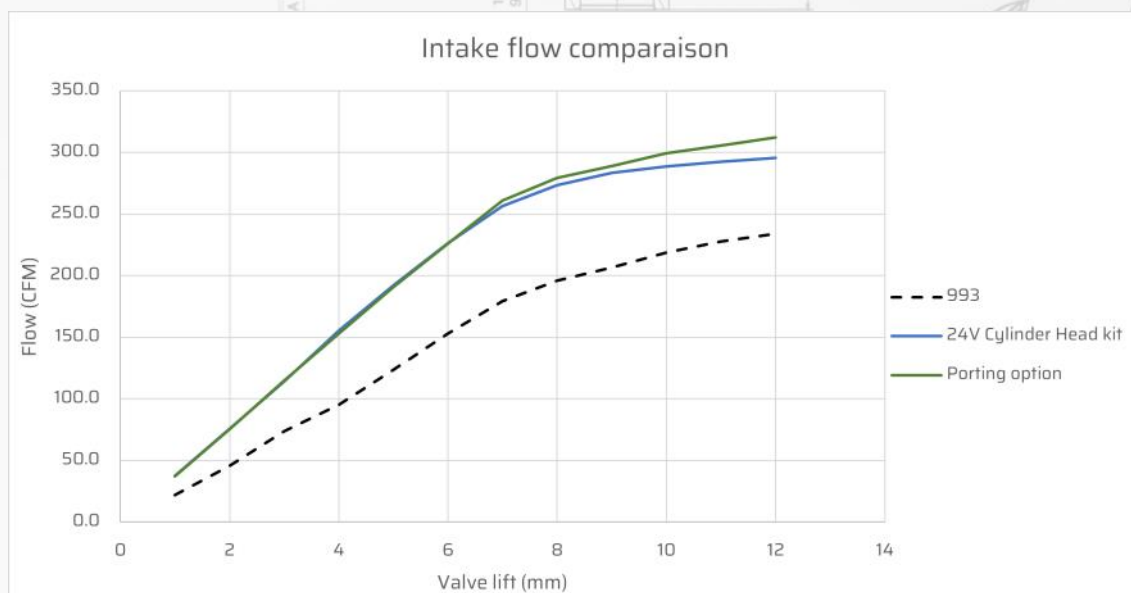
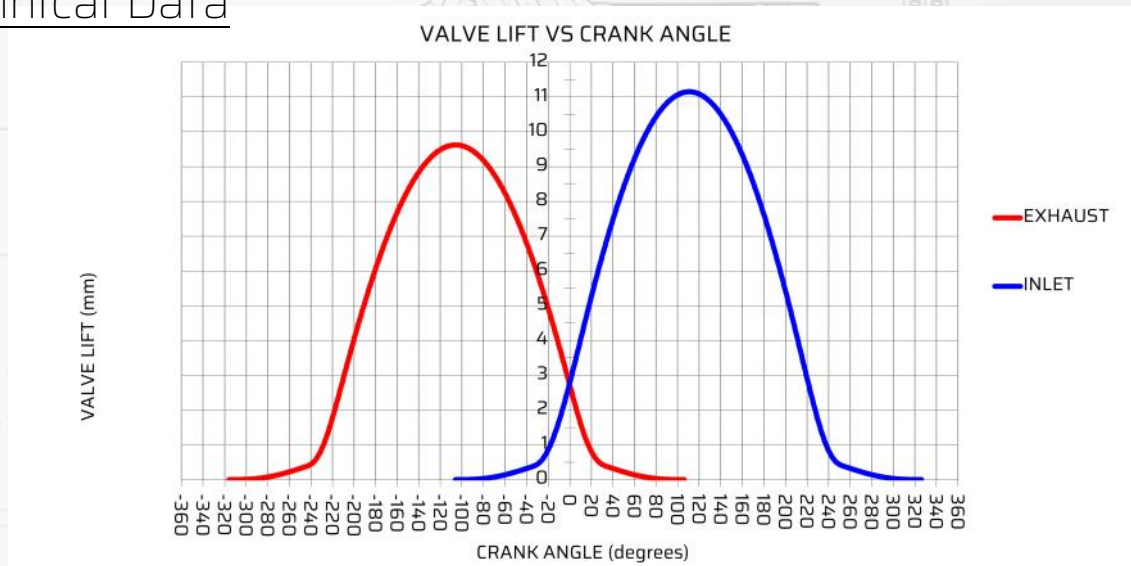


Specifications

Intake valve diameter (mm)	40
Maximum intake valve lift (mm)	11.5
Intake valve duration (degrees)	255 @ 1mm
Exhaust valve diameter (mm)	33
Maximum exhaust valve lift (mm)	9.6
Exhaust valve duration (degrees)	245 @ 1mm
Bore range (mm)	95–102.7
“Nominal” compression ratio*	11.5:1–12:1
Maximum rpm	12,000
Cylinder head volume (cm ³)	16.6

** If using Swindon Powertrain pistons*

Technical Data



About Swindon Powertrain

Established in 1971 as a high-performance engine specialist, Swindon Powertrain is a leading designer and manufacturer of road and race engines and components. Starting with the maintenance of Formula 1 engines in the 70s and early 80s, it rapidly expanded in other branches of motorsport including rallying and touring cars. Today, the firm continues to supply engines to teams in the British Touring Car Championship. Since 2010, the firm has diversified into supporting new road car powertrain development including vehicle electrification. In 2020 Swindon Powertrain launched a range of electric powertrains available to OEM's and vehicle conversion specialists.

The logo for Swindon Powertrain is centered on the page. It features the word "SWINDON" in a large, bold, sans-serif font, with the first letter "S" in red and the remaining letters in white. A registered trademark symbol (®) is located to the upper right of the "N". Below "SWINDON", the word "POWERTRAIN" is written in a smaller, all-caps, white, sans-serif font, with wide letter spacing. The background of the entire page is a dark, high-contrast, close-up photograph of an engine's internal components, including a piston and connecting rod, which are slightly out of focus.

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