7607823

hot street - dirt track

Volkswagen BUB 184kW, dual VVT

VR-6cyl 3.2L 24v DOHC

CAT CAMS .com

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 280°	268°
duration @ 1.0mm	: 233°	221°
valve lift	: 12.00mm	11.50mm
cam lift	: 5.95mm	5.75mm
lobe angle	: 130°	119°
timing @ 1.0mm	: -14° / 67°	49° / -8°
valve lift @ TDC	: 0.15mm	0.50mm
parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: **99312/s**	: **99312/s**
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: **PAC-S90015**	: **PAC-S90015**
interior spring		
fitted load / length	: 30kg @ 38.0mm	: 30kg @ 38.0mm
max. load / lift	: 79kg @ 13.0mm	: 79kg @ 13.0mm

REMARKS :

springs can be fitted directly on cylinderhead, use solid shims to adjust spring load if required
double spring PAC-D19864 recommended over 8000rpm (in combination with upper retainer 99391/s and lower retainer 99537). Check valve seal clearance.
valve seal needs to be lowered for valve lift >11.0mm

REMARKS :

- camshafts for use in **BUB** (3.2L) engines with **VVT sprocket on intake and exhaust**
  - ONLY for replacement of OE part number combination "**022 109 102A**" (intake) + "**022 109 101E**" (exhaust)
  - camshaft installation position: **intake at full retard / exhaust at full advance**
  - **check valve to piston clearance**

  For available profiles, look at the profiles of the BFH-BML VR6 engine. Use 76078xx to order the BUB version of these camshafts

This is a very complex engine. The camshafts should only be fitted by experienced professionals who have the tools, skills and patience for correct installation, verification and adjustment of the timing events and all related parts.

stand alone ECU based on throttle position sensor advised

- intake valve: 1.8mm extra opening at TDC
  - exhaust valve: 1.75mm extra opening at TDC
    CAREFULLY CHECK VALVE TO PISTON CLEARANCE