

7604103

tarmac rally - race

Volkswagen CBT,CBU 170hp (07K) vvt in

I-5cyl 2.5L 20v DOHC



intake **exhaust**

camshaft data:

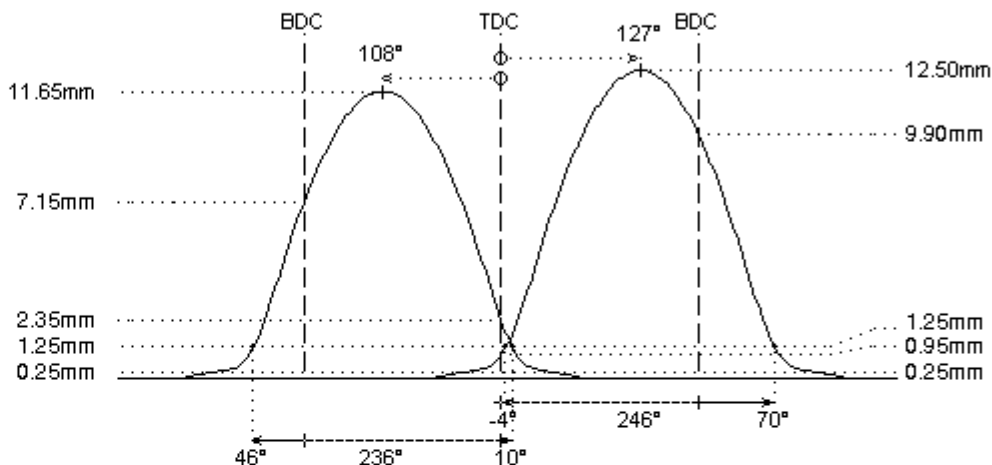
| | | |
|------------------|-------------|-----------|
| lash ramp | : 0.25mm | 0.25mm |
| duration @ 0.1mm | : 292° | 280° |
| duration @ 1.0mm | : 246° | 236° |
| valve lift | : 12.50mm | 11.65mm |
| cam lift | : 7.40mm | 6.90mm |
| lobe angle | : 127° | 108° |
| timing @ 1.0mm | : -4° / 70° | 46° / 10° |
| valve lift @ TDC | : 0.95mm | 2.35mm |

parts setup:

| | | |
|-----------------|---------------|---------------|
| cam wheels : | : | : |
| follower | : CC084 | : CC084 |
| valve lash | : TS103 | : TS103 |
| valve | : O.E.M. | : O.E.M. |
| valve locks | : O.E.M. | : O.E.M. |
| upper retainer | : 99545/s | : 99545/s |
| lower retainer | : 99548/O | : 99548/O |
| exterior spring | : PAC-E99865 | : PAC-E99865 |
| interior spring | : PAC-I99865 | : PAC-I99865 |

| | | |
|----------------------|-----------------|-----------------|
| fitted load / length | : 30kg @ 31.0mm | : 32kg @ 30.4mm |
| max. load / lift | : 79kg @ 13.5mm | : 79kg @ 12.9mm |

REMARKS :



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- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
 - distance between valve seal and retainer at full lift must be 0.6mm at least
 - minimum valve spring travel of 1.0mm at full lift must be provided
 - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake
- # VVT reprogramming, operating range adjustment or even eliminating the VVT system should be considered for camshafts with increased duration
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors
- # Valve clearance is indicated at valve tip. For measurements between cam and follower, the indicated valve clearance should be divided by the rocker ratio
- # valve seals must be lowered. Distance between valve seal and retainer must be at least 0.6mm at full lift.