7604106

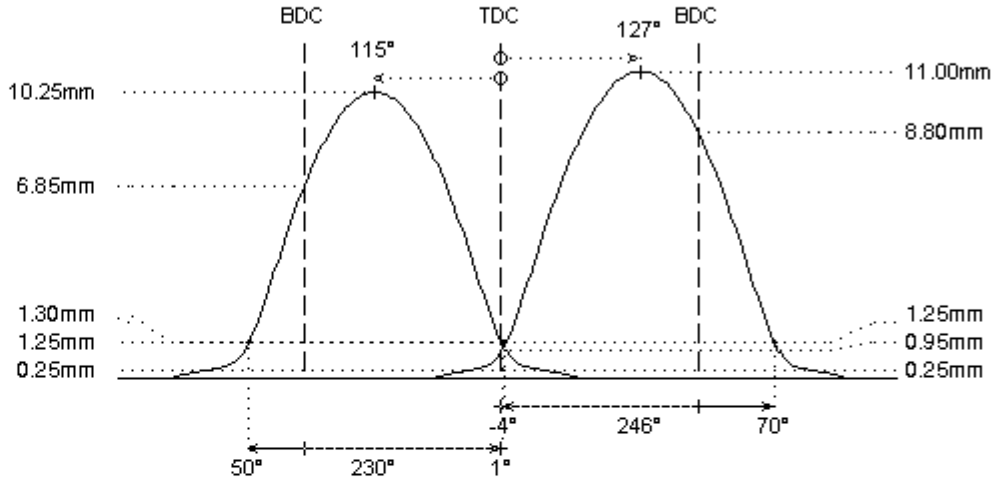
turbo conversion

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°	286°
duration @ 1.0mm	: 246°	231°
valve lift	: 11.00mm	10.25mm
cam lift	: 6.55mm	6.10mm
lobe angle	: 127°	115°
timing @ 1.0mm	: -4° / 70°	50° / 1°
valve lift @ TDC	: 0.95mm	1.30mm
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 :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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

for TURBO conversion (atmospheric to turbo)

Valve clearance is indicated at valve tip. For measurements between cam and follower, the indicated valve clearance should be divided by the rocker ratio