7607002

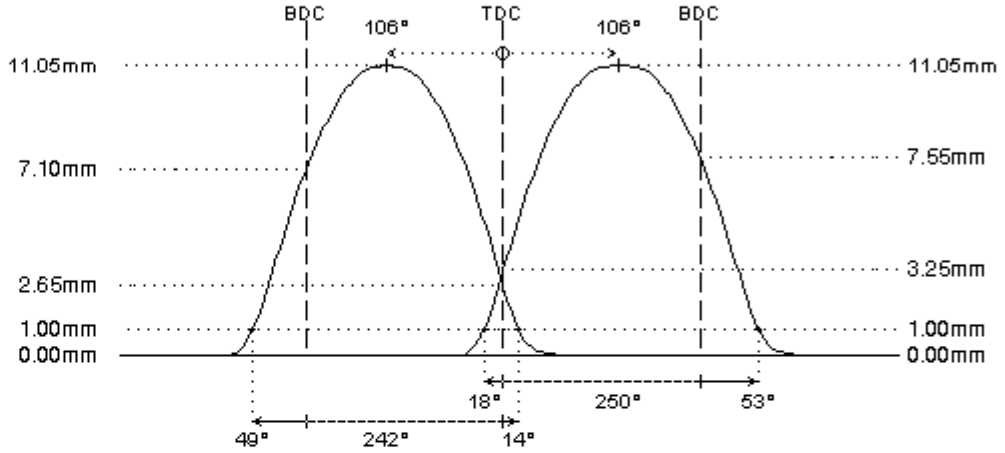
tarmac rally - race

Volkswagen BTS 105hp (chain drive, intake VVT)

I-4cyl 1.6L 16v DOHC (RPRH/RPRH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 289°	281°
duration @ 1.0mm	: 251°	243°
valve lift	: 11.05mm	11.05mm
cam lift	: 5.80mm	5.80mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 18° / 53°	49° / 14°
valve lift @ TDC	: 3.25mm	2.65mm
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	: **99480/s**	: **99480/s**
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: **PAC-E99864**	: **PAC-E99864**
interior spring		
fitted load / length	: 26kg @ 31.3mm	: 26kg @ 31.3mm
max. load / lift	: 60kg @ 12.0mm	: 60kg @ 12.0mm

REMARKS :



REMARKS :

\# - only for engines with VVT system (intake) and distribution with chain
- camshafts for use with original VVT system

\# ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors

\# Distance between valve and piston should be 1.0mm at least:
- check 5-15° after TDC on intake
- check 5-15° before TDC on exhaust

Machine pistons if required. Wrong installation can cause severe engine damage!

\# check distance between valve seal and retainer to be at least 0.6mm at full lift

\# VVT reprogramming, operating range adjustment or even eliminating the VVT system should be considered for camshafts with increased duration