

# 7100703

tarmac rally - race

Toyota 2ZZ-GE VVTL-i

I-4cyl 1.8L 16v DOHC (RP/RP)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.35mm	: 0.35mm
duration @ 0.1mm	: 337° (288)	: 331° (288)
duration @ 1.0mm	: 266° (224)	: 258° (224)
valve lift	: 11.75mm (9.00)	: 10.55mm (9.00)
cam lift	: 6.80mm (5.70)	: 6.15mm (5.70)
lobe angle	: 130° (124)	: 102° (100)
timing @ 1.0mm	: 3° / 83°	: 51° / 27°
valve lift @ TDC	: 1.55mm (0.70)	: 4.10mm (2.40)

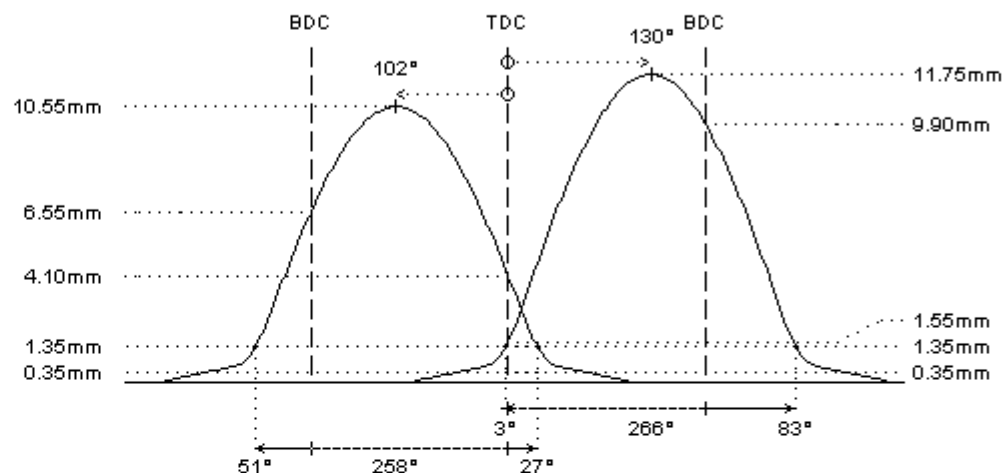
### parts setup:

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	:  99396	:  99396
lower retainer	: O.E.M.	: O.E.M.
exterior spring	:  PAC-S90013	:  PAC-S90013
interior spring	:	:

fitted load / length	: 23kg @ 34.5mm	: 23kg @ 34.5mm
max. load / lift	: 71kg @ 12.5mm	: 71kg @ 12.5mm

### REMARKS :

# springs can be fitted directly on cylinderhead, use solid shims to adjust spring load if required



### REMARKS :

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