

7107182

tarmac rally - race

Toyota 3S-GE 3rd gen

I-4cyl 2.0L 16v DOHC (DT/DT)



intake

exhaust

camshaft data:

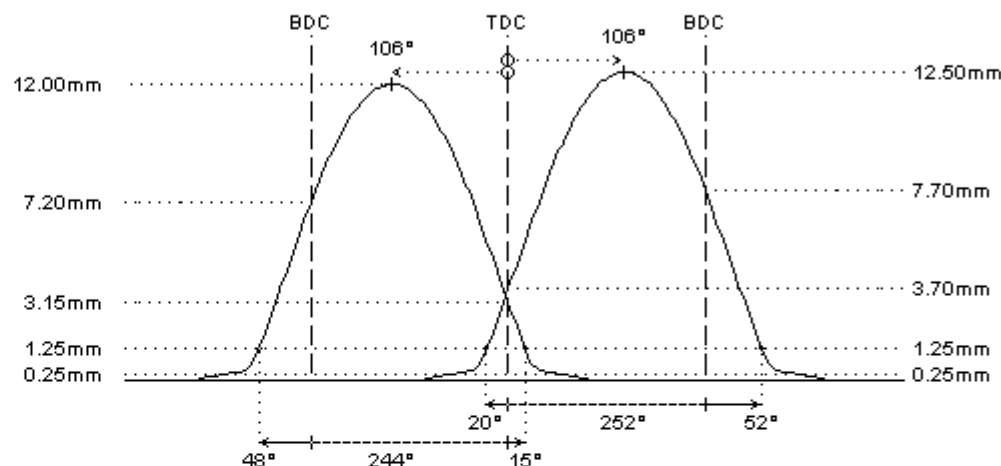
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 285°	277°
duration @ 1.0mm	: 252°	243°
valve lift	: 12.50mm	12.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 20° / 52°	48° / 15°
valve lift @ TDC	: 3.70mm	3.15mm

parts setup:

cam wheels :	CTT0026	CTT0026
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 :	O.E.M.	O.E.M.
lower retainer :	O.E.M.	O.E.M.
exterior spring :	PAC-S90019	PAC-S90019
interior spring :		

fitted load / length	: 30kg @ 35.7mm	: 30kg @ 35.7mm
max. load / lift	: 79kg @ 12.5mm	: 79kg @ 12.5mm

REMARKS :



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- # camshafts for 3rd generation 3S-GE engines. Please check following dimensions before ordering:
 - cam base diameter: 32.5mm
 - cam follower diameter: 31.0mm
 - shim diameter: 13.0mm (between valve and cam follower)
- # 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
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors