

7107030

turbo conversion

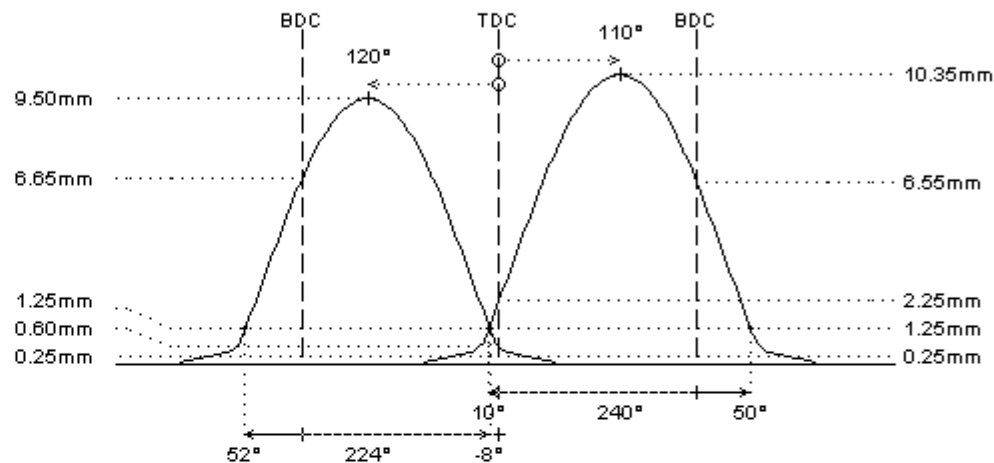
Toyota 3S-GE 2nd gen

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



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 286°	270°
duration @ 1.0mm	: 240°	224°
valve lift	: 10.35mm	9.50mm
cam lift	: 10.35mm	9.50mm
lobe angle	: 110°	120°
timing @ 1.0mm	: 10° / 50°	52° / -8°
valve lift @ TDC	: 2.25mm	0.60mm
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	: 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	: 36kg @ 34.0mm	: 36kg @ 34.0mm
max. load / lift	: 85kg @ 12.0mm	: 85kg @ 12.0mm

REMARKS :



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- # camshafts for 2nd generation 3S-GE engines. Please check following dimensions before ordering:
 - cam base diameter: 28mm
 - cam follower diameter: 31.0mm
 - shim diameter: 28.0mm (between cam and 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
- # for TURBO conversion (atmospheric to turbo)