

1012440

tarmac rally - race

Audi AAN, ABY turbo

I-5cyl 2.2L 20v DOHC (DTH/DTH)



intake

exhaust

camshaft data:

lash ramp	: 0.25mm	0.30mm
duration @ 0.1mm	: 279°	261°
duration @ 1.0mm	: 237°	220°
valve lift	: 11.45mm	9.95mm
cam lift	:	
lobe angle	: 110°	120°
timing @ 1.0mm	: 9° / 48°	50° / -10°
valve lift @ TDC	: 2.45mm	0.55mm

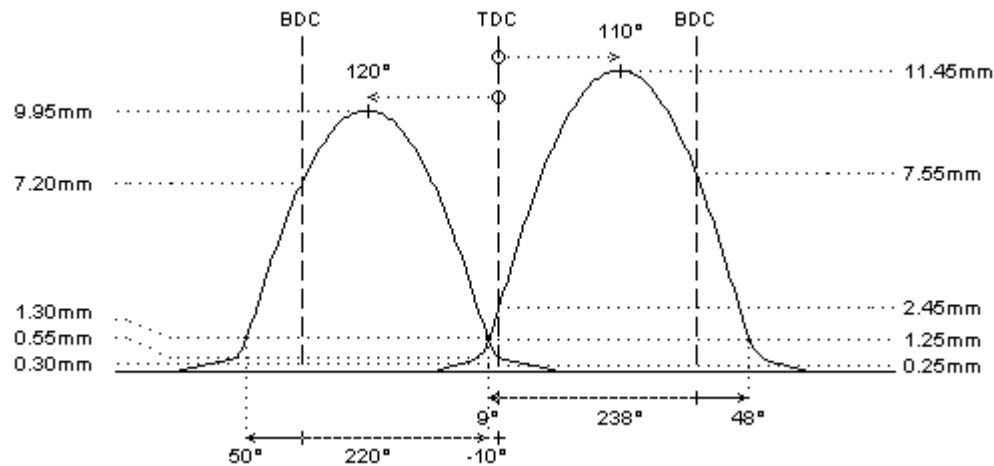
parts setup:

cam wheels :	:	:
follower	: CC005	: CC005
valve lash	: TS102	: TS102
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99370	: 99370
lower retainer	: not available	: not available
exterior spring	: PAC-E15009	: PAC-E15009
interior spring	: PAC-I15009	: PAC-I15009

fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 111kg @ 14.0mm	: 111kg @ 14.0mm

REMARKS :

check distance between valve seal and retainer to be at least 0.6mm #
at full lift
if required, machine cylinder head and / or use solid shims to adjust
spring load



REMARKS :

- # - chilled cast iron camshafts
- supplied with **adjustable chain sprockets** to optimize intake cam timing
- # valve clearance is to be adjusted using mechanical lash caps. these can have different shapes according the application:
 - plates available in different diameters and thickness
 - cups for different valve stem diameters. these center on either tappet or valve stem
 - other specific shapes available on request
- # 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