

1013778

hot street - dirt track

Audi AEB, AWT turbo engines

I-4cyl 1.8L 20v DOHC (DTH/DTH)



intake

exhaust

camshaft data:

lash ramp	: 0.20mm	0.25mm
duration @ 0.1mm	: 282°	269°
duration @ 1.0mm	: 240°	222°
valve lift	: 10.20mm	10.50mm
cam lift	:	
lobe angle	: 110°	120°
timing @ 1.0mm	: 10° / 50°	51° / -9°
valve lift @ TDC	: 2.15mm	0.55mm

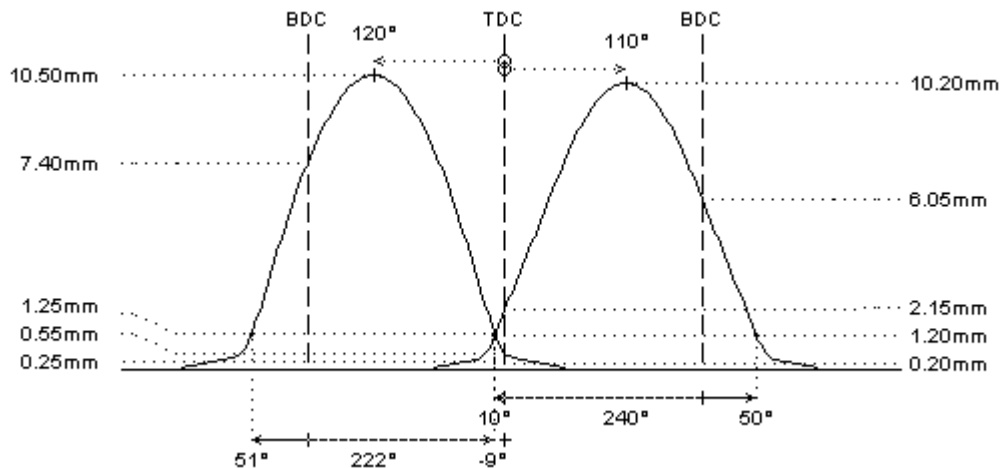
parts setup:

cam wheels :	:	:
follower	: CC016	: CC019
valve lash	: TS101	: TS101
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-S90013	: PAC-E92009
interior spring	:	: PAC-I99861

fitted load / length	: 23kg @ 34.5mm	: 36kg @ 31.1mm
max. load / lift	: 69kg @ 12.0mm	: 98kg @ 12.0mm

REMARKS :

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



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 to 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