

1003778

tarmac rally - race

Audi AEB, AWT turbo engines

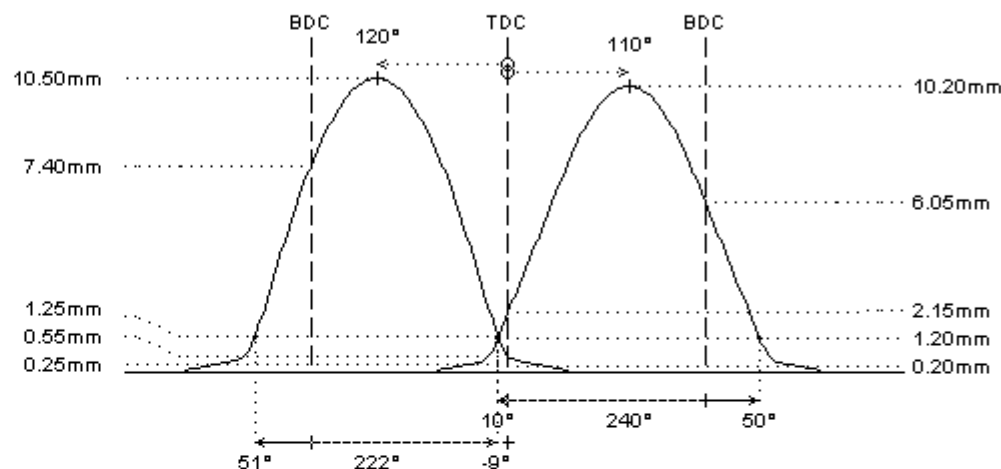
I-4cyl 1.8L 20v DOHC (DTH/DTH)



	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 :

- # - steel billet camshafts
- supplied with **adjustable chain sprockets** on the exhaust cam to optimize intake cam timing
- # mechanic 20v / 30v kit includes:
 - intake: tappets (ref. CC016), single springs (ref. 902-0013) on OEM upper retainer; 3/cyl each
 - exhaust: tappets (ref. CC019), double springs (ref. 902-2009) on OEM upper retainer or on aluminum retainer (ref. 99357); 2/cyl each
- # - valve clearance is to be adjusted using mechanical lash caps
- please make sure that the lash cap does not touch the valve locks !
- # 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