

1013783

tarmac rally - race

Audi ADR atmo engines

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



intake **exhaust**

camshaft data:

lash ramp	: 0.20mm	0.25mm
duration @ 0.1mm	: 300°	293°
duration @ 1.0mm	: 256°	246°
valve lift	: 11.00mm	12.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 22° / 54°	49° / 17°
valve lift @ TDC	: 3.30mm	3.40mm

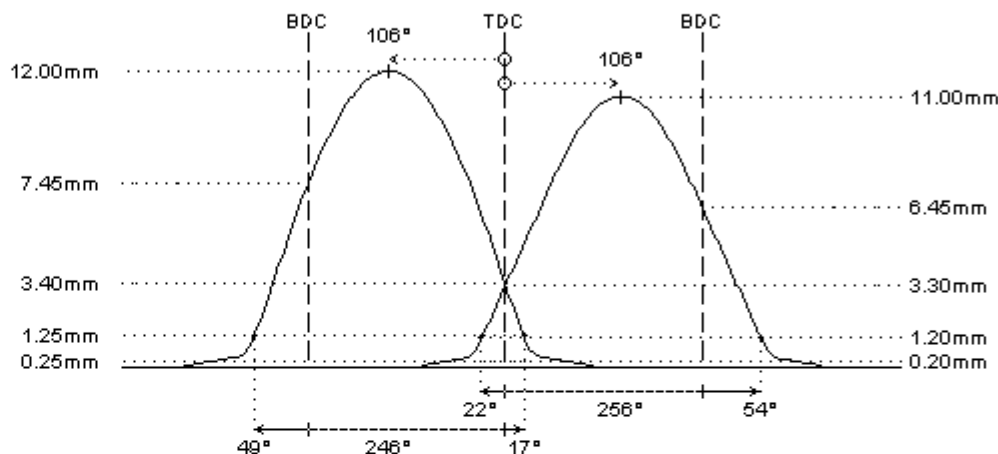
parts setup:

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-I92009

fitted load / length	: 23kg @ 34.6mm	: 34kg @ 33.1mm
max. load / lift	: 68kg @ 12.0mm	: 96kg @ 12.5mm

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
- # 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
- # disable VANOS system
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors