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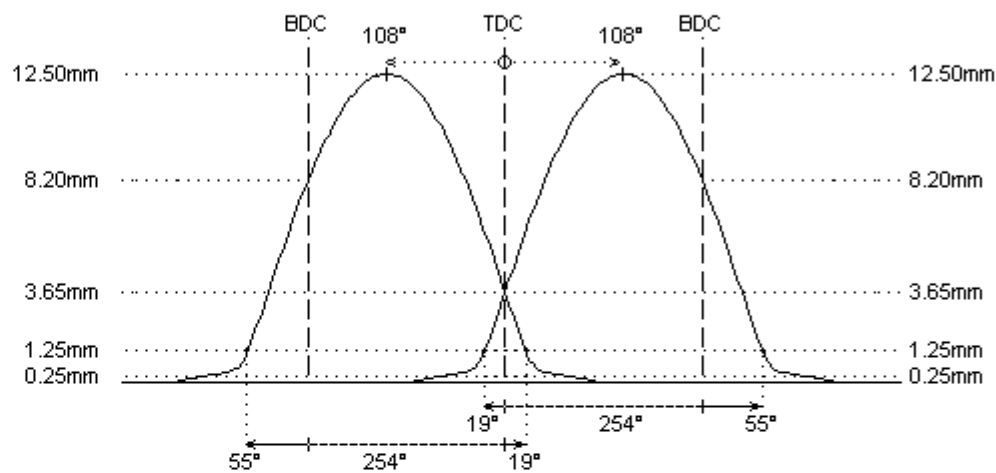
tarmac rally - race

Volkswagen AAA

VR-6cyl 2.8L 12v DOHC (DTH/DTH)



| | intake | exhaust |
|-----------------------|-----------------|-----------------|
| camshaft data: | | |
| lash ramp | : 0.25mm | 0.25mm |
| duration @ 0.1mm | : 301° | 301° |
| duration @ 1.0mm | : 254° | 254° |
| valve lift | : 12.50mm | 12.50mm |
| cam lift | : | |
| lobe angle | : 108° | 108° |
| timing @ 1.0mm | : 19° / 55° | 55° / 19° |
| valve lift @ TDC | : 3.65mm | 3.65mm |
| parts setup: | | |
| cam wheels : | : TVW034 | : |
| follower | : CC005 | : CC005 |
| valve lash | : TS102 | : TS102 |
| valve | : | : |
| 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-E99860 | : PAC-E99860 |
| interior spring | : PAC-I99860 | : PAC-I99860 |
| fitted load / length | : 31kg @ 33.0mm | : 31kg @ 33.0mm |
| max. load / lift | : 99kg @ 13.0mm | : 99kg @ 13.0mm |



REMARKS :

- # 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
- # - valve clearance is to be adjusted using mechanical lash caps
 - please make sure that the lash cap does not touch the valve locks !
- # stand alone ECU based on throttle position sensor required

REMARKS :

- # check interference between valve seal and retainer over 10,5mm lift