

1003784

full race

Audi ADR atmo engines

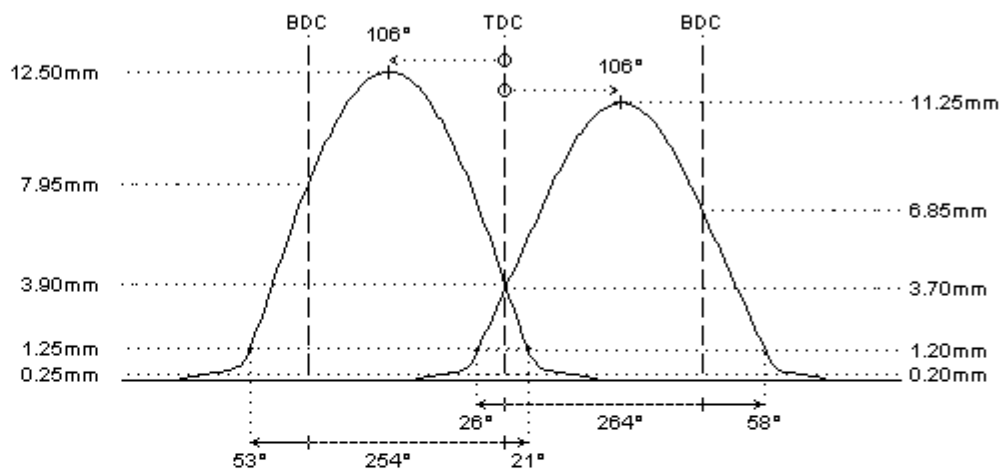
I-4cyl 1.8L 20v DOHC (DTH/DTH)



| | intake | exhaust |
|-----------------------|-----------------|-----------------|
| camshaft data: | | |
| lash ramp | : 0.20mm | 0.25mm |
| duration @ 0.1mm | : 308° | 301° |
| duration @ 1.0mm | : 264° | 254° |
| valve lift | : 11.25mm | 12.50mm |
| cam lift | : | |
| lobe angle | : 106° | 106° |
| timing @ 1.0mm | : 26° / 58° | 53° / 21° |
| valve lift @ TDC | : 3.70mm | 3.90mm |
| 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 :

- # - steel billet 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