

# 7641319

turbo conversion

Volkswagen KR 136hp

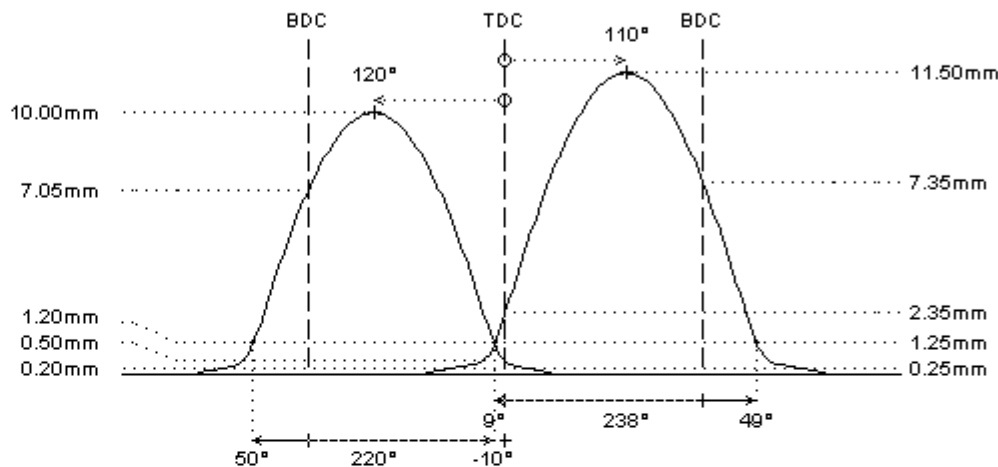
I-4cyl 1.8L 16v DOHC (DTH/DTH)



|                        | intake                 | exhaust                |
|------------------------|------------------------|------------------------|
| <b>camshaft data:</b>  |                        |                        |
| lash ramp              | : 0.25mm               | 0.20mm                 |
| duration @ 0.1mm       | : 284°                 | 257°                   |
| duration @ 1.0mm       | : 238°                 | 220°                   |
| valve lift             | : 11.50mm              | 10.00mm                |
| cam lift               | :                      |                        |
| lobe angle             | : 110°                 | 120°                   |
| timing @ 1.0mm         | : 9° / 49°             | 50° / -10°             |
| valve lift @ TDC       | : 2.35mm               | 0.50mm                 |
| <b>parts setup:</b>    |                        |                        |
| cam wheels :           |                        | : CTVW006              |
| follower :             | : CC005                | : CC005                |
| valve lash :           | : TS102                | : TS102                |
| valve :                | : O.E.M.               | : O.E.M.               |
| valve locks :          | : O.E.M.               | : O.E.M.               |
| upper retainer :       | : 99370                | : 99370                |
| lower retainer :       | : <b>not available</b> | : <b>not available</b> |
| exterior spring :      | : PAC-E15009           | : PAC-E15009           |
| interior spring :      | : PAC-I15009           | : PAC-I15009           |
| fitted load / length : | : 37kg @ 34.5mm        | : 37kg @ 34.5mm        |
| max. load / lift :     | : 114kg @ 14.0mm       | : 114kg @ 14.0mm       |

## REMARKS :

- # check distance between valve seal and retainer to be at least 0.6mm at full lift
- # ONLY for 7mm valves with single groove (RK-7H valve keepers)



## REMARKS :

- # - steel billet camshafts
- supplied with **adjustable chain sprockets** to optimize intake cam timing
- # - 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
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors
- # for TURBO conversion (atmospheric to turbo)