

# 2503805

turbo conversion

Honda K20A

I-4cyl 2.0L 16v DOHC (RPR/RPR)

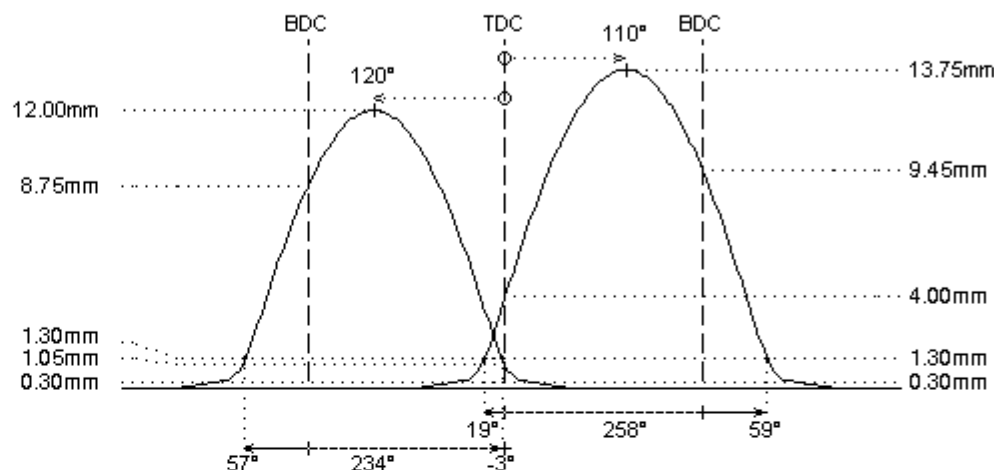


	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.30mm	0.30mm
duration @ 0.1mm	: 292°	268°
duration @ 1.0mm	: 258°	234°
valve lift	: 13.75mm	12.00mm
cam lift	: 8.85mm	6.95mm
lobe angle	: 110°	120°
timing @ 1.0mm	: 19° / 59°	57° / -3°
valve lift @ TDC	: 4.00mm	1.05mm
<b>parts setup:</b>		
cam wheels :		:  THO024
follower :	:  INFO	:  INFO
valve lash :	: O.E.M.	: O.E.M.
valve :	: O.E.M.	: O.E.M.
valve locks :	: O.E.M.	: O.E.M.
upper retainer :	:  99356/s	:  99356/s
lower retainer :	: O.E.M.	: O.E.M.
exterior spring :	:  PAC-E15009	:  PAC-E15009
interior spring :	:  PAC-I15009	:  PAC-I15009
fitted load / length :	: 31kg @ 35.0mm	: 31kg @ 35.0mm
max. load / lift :	: 110kg @ 14.5mm	: 110kg @ 14.5mm

### REMARKS :

- # 8x CAT026 rocker arm (in)
- # 8x CAT027 rocker arm (ex)
- 8x CAT026-R1
- 16x CAT026-R2

# #



### REMARKS :

- # Camshafts for use without Vtec system, using outer cam lobes and outer rocker arms only:
  - the complete rocker arm assembly is replaced by two Cat Cams slipper rocker arms and a spacer
  - profiles with a more aggressive design to fully exploit the more stable valve train
  - use adjustable sprocket "THO025" to disable the intake VVT system
- # for TURBO conversion (atmospheric to turbo)
- # 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 lift and timing data are illustrated on a locked centerline. The VANOS system changes the centerlines and therefore the timing data and lift on TDC.
  - The centerline and TDC data should not be used when installing the camshaft with full cam intake retard (disengaged VANOS system)!!! WRONG INSTALLATION WILL CAUSE THE VALVES TO HIT THE PISTONS!!!
  - We insist to install the VANOS camshaft(s) in such way that the distance between valves and piston is at least 1mm at full advance of the intake (or full retard at the exhaust)
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors

