

7606138

hot street - dirt track

Volkswagen AER, ALL 50hp

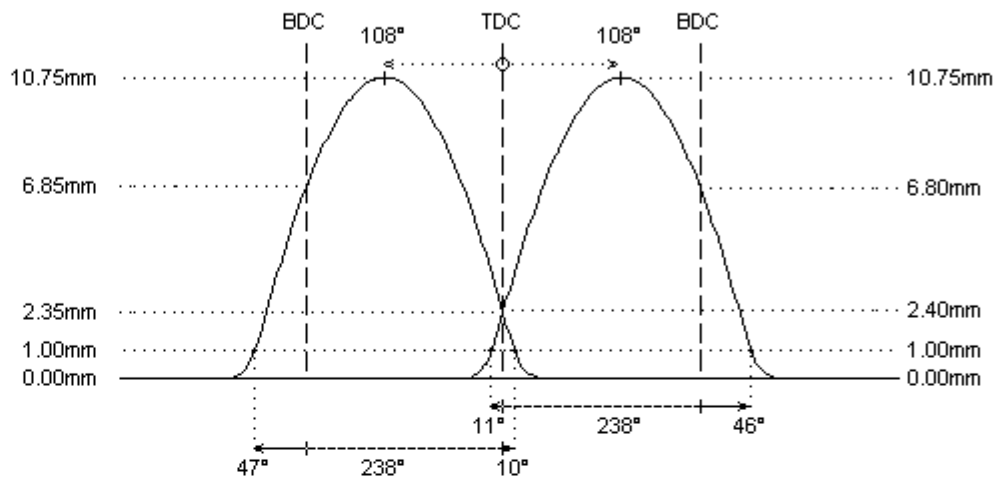
I-4cyl 1.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 268°	268°
duration @ 1.0mm	: 237°	237°
valve lift	: 10.75mm	10.75mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 11° / 46°	47° / 10°
valve lift @ TDC	: 2.40mm	2.35mm
parts setup:		
cam wheels :	:	:
follower	: CC005	: CC005
valve lash	: TS102	: TS102
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-E92009	: PAC-E92009
interior spring	: PAC-I99861	: PAC-I99861
fitted load / length	: 32kg @ 31.5mm	: 32kg @ 31.5mm
max. load / lift	: 95kg @ 12.0mm	: 95kg @ 12.0mm

REMARKS :

- # different valve spring setups have been used in the original engines: please double check the measurements and contact Catcams in case of doubt
- # ONLY for 7mm valves with tripple groove (MK-7H valve keepers)



REMARKS :

- # Different OEM camshafts were used in this engine family. For ordering the correct sports camshaft, please check:
 - engine reference code
 - cam reference code
 - cam lift
 - keyway position: centered between 1st and 2nd cam lobe (54°)(76061xx) OR close to 1st cam lobe (22°)(76161xx)
- Example: engine code "AER" has camshaft code "030 BG", cam lift "8.5mm" and keyway close to 1st cam lobe.
- # a) 8mm valve stem - engines until 07/1994
 - use hard anodised aluminum retainers (ref. 99326) and double valve springs (ref. 902-5009) with fitted length 35-36mm
 - b) 7mm/0.275" valve stem engines from 08/1994 (types: AEV, ABD, ADX, AEA, ABU, AEE, AEX, AKU, AEF)
 - use single valve springs (ref. 902-0019) on hard anodised aluminum retainers (ref. 99376)
- # 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 dirt track applications and pro street use with adjustable engine management or carburetors

