

1005402

hot street - dirt track

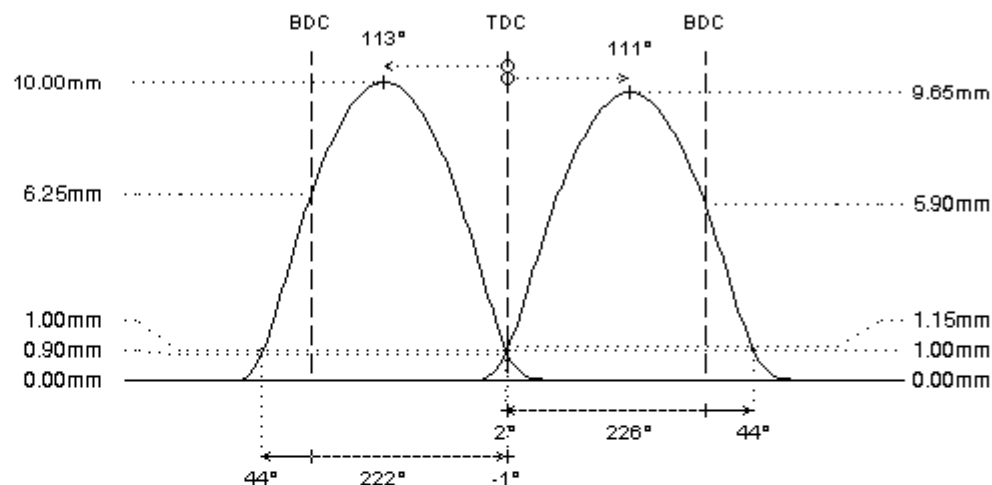
Audi BCY, BRV 445hp Turbo (belt drive to exhaust cams)

V-8cyl 4.2L 40v QOHC (RPRH/RPRH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 267°	262°
duration @ 1.0mm	: 226°	223°
valve lift	: 9.65mm	10.00mm
cam lift	: 9.65mm	8.10mm
lobe angle	: 111°	113°
timing @ 1.0mm	: 2° / 44°	44° / -1°
valve lift @ TDC	: 1.15mm	0.90mm
parts setup:		
cam wheels :	:	:
follower :	O.E.M.	O.E.M.
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 :	O.E.M.	O.E.M.
lower retainer :	O.E.M.	O.E.M.
exterior spring :	O.E.M.	O.E.M.
interior spring :		
fitted load / length	: 25kg @ 35.0mm	: 30kg @ 31.3mm
max. load / lift	: 56kg @ 10.0mm	: 63kg @ 10.5mm

REMARKS :



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camshafts for use in V8 engines with 5 valves per cylinder:

- roller finger followers (1 intake and 1 exhaust follower per cylinder)
- external belt drive on exhaust camshafts
- internal connecting chain on intake camshafts (with VVT tensioner)

DOES NOT FIT LATER ENGINE WITH CHAIN DRIVE (such as BHF) !!!

- # The center intake valve is most critical for piston clearance. The distance between valve and piston should be 1.0mm at least:
 - check 5-15° after TDC on intake
 - check 5-15° before TDC on exhaust
- If a VVT tensioner is used, the piston clearance should be checked at full advance.
- Machine pistons if required. Wrong installation can cause severe engine damage!

- # stand alone ECU based on throttle position sensor required

- # STD valve springs can be used until STD rpm limit