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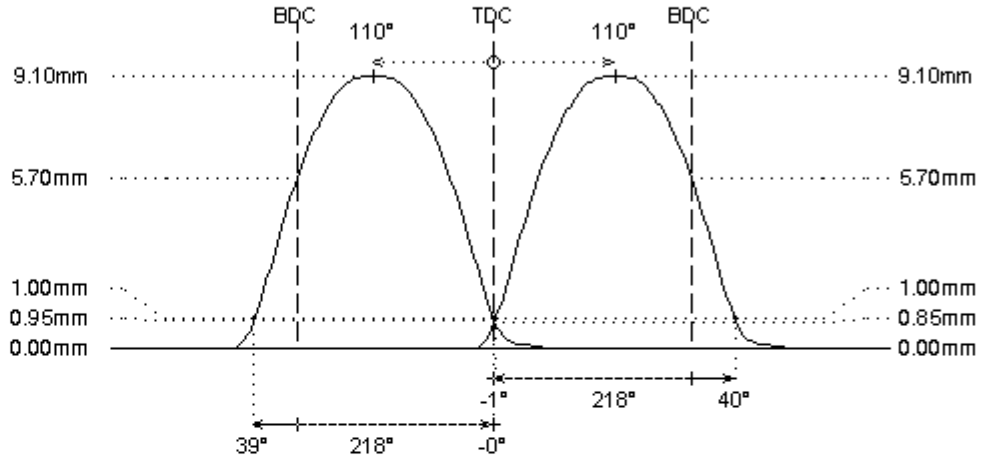
sport

Volkswagen AVY 125hp (belt drive, intake VVT)

I-4cyl 1.6L 16v DOHC (RPRH/RPRH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 268°	268°
duration @ 1.0mm	: 219°	219°
valve lift	: 9.10mm	9.10mm
cam lift	: 4.80mm	4.80mm
lobe angle	: 110°	110°
timing @ 1.0mm	: -1° / 40°	39° / -0°
valve lift @ TDC	: 0.85mm	0.95mm
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	: 24kg @ 34.0mm	: 24kg @ 34.0mm
max. load / lift	: 50kg @ 9.5mm	: 50kg @ 9.5mm

REMARKS :



REMARKS :

\# - only for engines with VVT system (intake) and distribution with belt drive
- camshafts for use with original VVT system

\# The exact valve timing data of the original camshafts are not known. Valve timing data are illustrated on estimated peak angle of 110°. The actual valve timing in the engine may be different, as well as the indicated lift at TDC.

\# These engines have VANOS system on intake camshaft. Valve lift and timing data are illustrated on a virtual centerline of 110° (with corresponding virtual lift at TDC). The VANOS system changes the centerline and therefore the timing data and lift on TDC!!!

\# ECU reprogramming required

\# FLAT NOSE cam design

\# 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

Machine pistons if required. Wrong installation can cause severe engine damage!