

1031583

turbo conversion

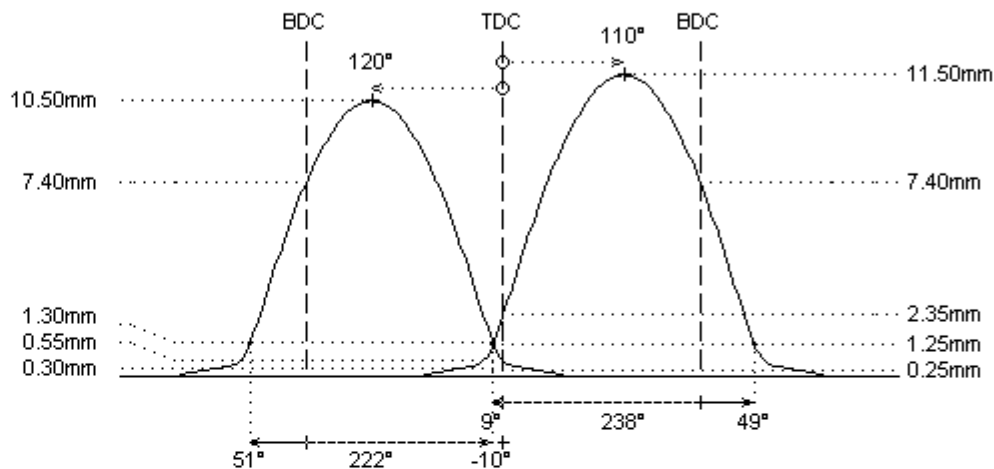
Alfa Romeo AR 322.01 144hp, VVT intake

I-4cyl 1.7L 16v DOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.30mm
duration @ 0.1mm	: 284°	257°
duration @ 1.0mm	: 238°	221°
valve lift	: 11.50mm	10.50mm
cam lift	:	
lobe angle	: 110°	120°
timing @ 1.0mm	: 9° / 49°	51° / -10°
valve lift @ TDC	: 2.35mm	0.55mm
parts setup:		
cam wheels :	: CTAR001	: CTAR001
follower	: CC002	: CC002
valve lash	: TS102	: TS102
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99371	: 99371
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-E92009	: PAC-E92009
interior spring	: PAC-I92009	: PAC-I92009
fitted load / length	: 39kg @ 33.0mm	: 39kg @ 33.0mm
max. load / lift	: 100kg @ 12.5mm	: 100kg @ 12.5mm

REMARKS :



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- # camshafts for use with STD VVT (vanos) system
- # for TURBO conversion (atmospheric to turbo)
- # - 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