

1301166

turbo conversion

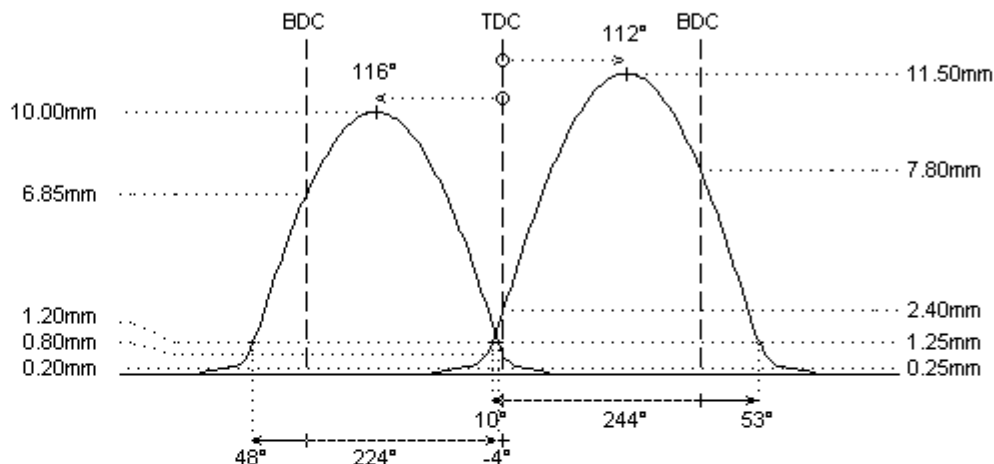
Bmw M50 (20 6 S1) 150hp, non vanos

I-6cyl 2.0L 24v DOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.20mm
duration @ 0.1mm	: 275°	257°
duration @ 1.0mm	: 243°	224°
valve lift	: 11.50mm	10.00mm
cam lift	:	
lobe angle	: 112°	116°
timing @ 1.0mm	: 10° / 53°	48° / -4°
valve lift @ TDC	: 2.40mm	0.80mm
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	: 99322/s	: 99322/s
lower retainer	: not available	: not available
exterior spring	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 36kg @ 36.5mm	: 36kg @ 36.5mm
max. load / lift	: 110kg @ 14.0mm	: 110kg @ 14.0mm

REMARKS :



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- # - steel billet camshafts
- # - 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
- # ECU reprogramming required
- # Before camshaft installation: please remove the cam carriers and fit the new camshafts in the empty cam carriers to check interference with the cam lobes. Modify the cam carriers if required.