

7602602

tarmac rally - race

Volkswagen BYD-BWJ-BHZ EA113 TFSI 230-240-265hp

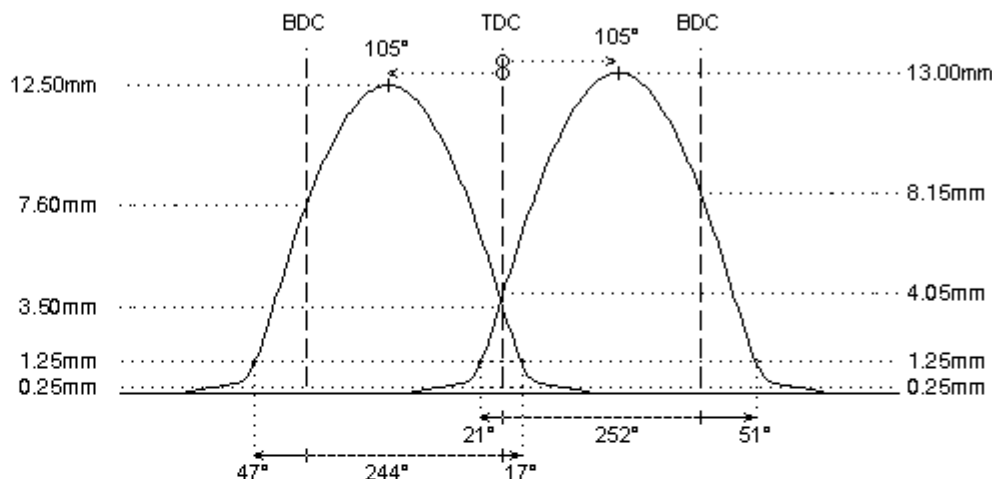
I-4cyl 2.0L 16v DOHC (RPRH/RPRH)



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 294°	286°
duration @ 1.0mm	: 252°	244°
valve lift	: 13.00mm	12.50mm
cam lift	: 7.75mm	7.45mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 21° / 51°	47° / 17°
valve lift @ TDC	: 4.05mm	3.50mm
parts setup:		
cam wheels :		: CTVW038
follower :	: INFO	: INFO
valve lash :	: TS101	: TS101
valve :	: O.E.M.	: O.E.M.
valve locks :	: O.E.M.	: O.E.M.
upper retainer :	: 99423/s	: 99423/s
lower retainer :	: 99528/O	: 99528/O
exterior spring :	: PAC-E19864	: PAC-E19864
interior spring :	: PAC-I19864	: PAC-I19864
fitted load / length :	: 28kg @ 34.0mm	: 31kg @ 33.0mm
max. load / lift :	: 89kg @ 14.5mm	: 89kg @ 13.5mm

REMARKS :

16x CAT017 rocker arm
16x CAT018 shaft for rocker arm
16x CAT019 support for rocker arm
Cylinder head needs to be machined in order to mount the valve springs (create clearance diameter 25.4mm for valve spring outer diameter)
Use flat shims to increase the valve spring tension to the suggested load.



REMARKS :

- # - camshafts for use with CATCAMS slipper kit (cam lobes are not compatible with other rocker arm systems)
- cylinder head need to be machined to fit the rocker arm system(service available from CATCAMS)
- camshaft with fuel pump lobe (version without fuel pump lobe: 76027xx)
- # 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 use in competition engines with independent engine management (throttle position sensor) or carburetors
- # for ATMO engines