

5506505

tarmac rally - race

Renault F4R.830 Clio III (VVT in, 197hp)

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	: 9.20mm	8.85mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 21° / 51°	47° / 17°
valve lift @ TDC	: 4.05mm	3.50mm

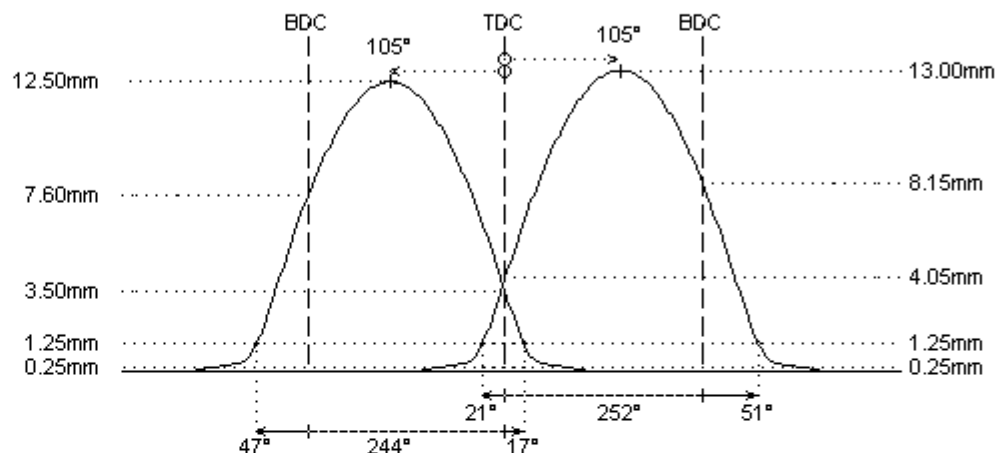
parts setup:

cam wheels :	: CTRE006	: CTRE006
follower	: CAT005	: CAT005
valve lash	: TS100	: TS100
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99536	: 99536
lower retainer	: 99528	: 99528
exterior spring	: PAC-E19864	: PAC-E19864
interior spring	: PAC-I19864	: PAC-I19864
fitted load / length	: 29kg @ 33.5mm	: 29kg @ 33.5mm
max. load / lift	: 90kg @ 14.5mm	: 90kg @ 14.5mm

REMARKS :

- # cam follower setup for CAT CAMS slipper follower kit:
- # slipper cam follower: CAT005
- connector shaft: CAT006
- cam follower post: CAT007
- lash cap: TS-100 (lash adjustment on valve tip)

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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)
- please indicate if VVT on intake (like original) should be remained

- # 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

- # - valve clearance is to be adjusted using mechanical lash caps
- please make sure that the lash cap does not touch the valve locks !

- # stand alone ECU based on throttle position sensor required