

# 5506501

tarmac rally - race

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

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

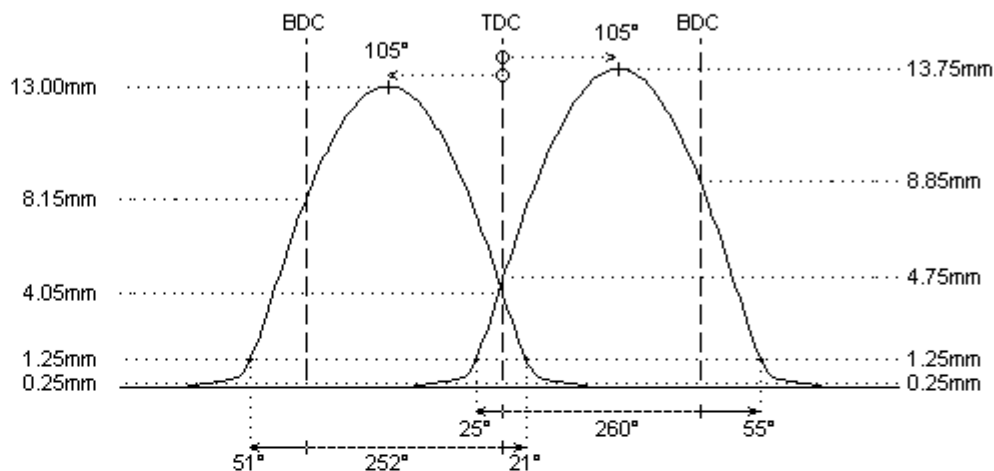


	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 302°	294°
duration @ 1.0mm	: 260°	252°
valve lift	: 13.75mm	13.00mm
cam lift	: 9.65mm	9.20mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 25° / 55°	51° / 21°
valve lift @ TDC	: 4.75mm	4.05mm
<b>parts setup:</b>		
cam wheels :	:  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