

5503505

tarmac rally - race

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

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



intake

exhaust

camshaft data:

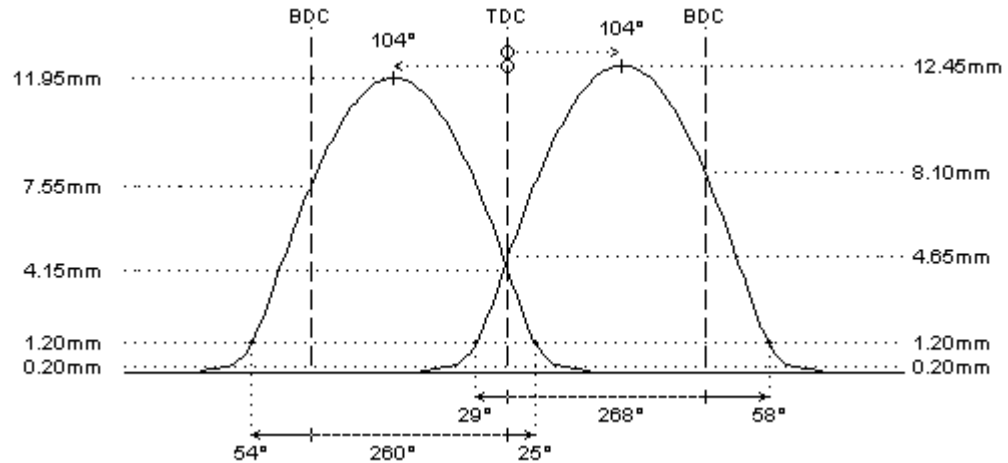
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 304°	295°
duration @ 1.0mm	: 267°	259°
valve lift	: 12.45mm	11.95mm
cam lift	: 12.45mm	11.95mm
lobe angle	: 104°	104°
timing @ 1.0mm	: 29° / 58°	54° / 25°
valve lift @ TDC	: 4.65mm	4.15mm

parts setup:

cam wheels :	: CTRE006	: CTRE006
follower	: O.E.M.	: O.E.M.
valve lash	: N/A	: N/A
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-E99862	: PAC-E99862
interior spring		
fitted load / length	: 31kg @ 34.5mm	: 33kg @ 34.0mm
max. load / lift	: 85kg @ 12.5mm	: 85kg @ 12.0mm

REMARKS :

modify hydraulic elements to mechanic or replace by solid mechanic elements with plate lash caps underneath



REMARKS :

- # - camshafts for use with adjustable cam wheel on intake (without VVT)
- adjustable sensor ring [ref. 99025] for intake camshaft must be ordered separately if required for engine management system
- # 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