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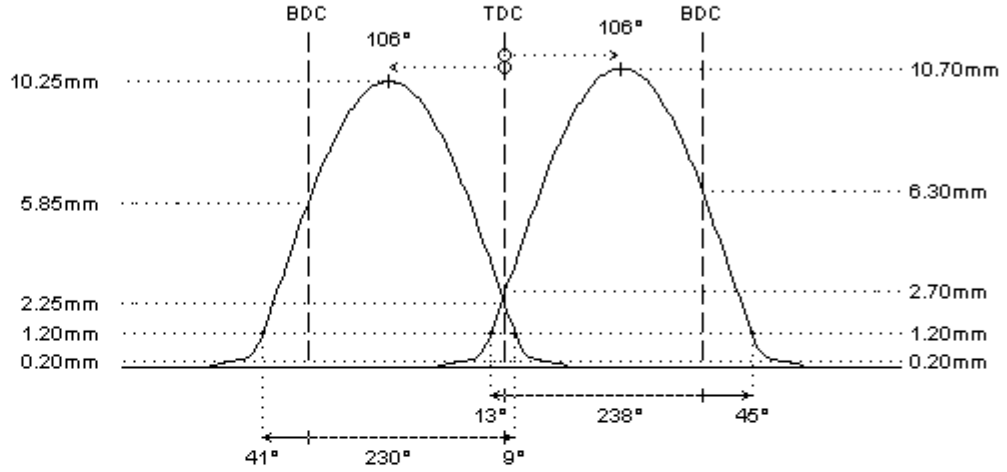
tarmac rally - race

Ford ZH16S Sigma, 99hp

I-4cyl 1.6L 16v DOHC (DTs/DTs)

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 268°	260°
duration @ 1.0mm	: 238°	230°
valve lift	: 10.70mm	10.25mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 13° / 45°	41° / 9°
valve lift @ TDC	: 2.70mm	2.25mm
parts setup:		
cam wheels :	:	:
follower	: CC020	: CC020
valve lash	: TS101	: TS101
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-I99891	: PAC-I99891
interior spring		
fitted load / length	: 26kg @ 35.0mm	: 26kg @ 35.0mm
max. load / lift	: 47kg @ 12.0mm	: 47kg @ 12.0mm

REMARKS :



REMARKS :

\# for engines with 28mm cam followers / 25mm lash adjustment shims (between cam and follower), please contact Cat Cams if different

\# FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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

\# These profiles require race cam followers with shim between cam follower and valve (shim under follower). It is not possible to use these profiles on std cam followers with the shim between the follower and the cam (shim over follower).

\# ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors