

2290722

tarmac rally - race

Ford ZH16S Sigma, 99hp

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



intake **exhaust**

camshaft data:

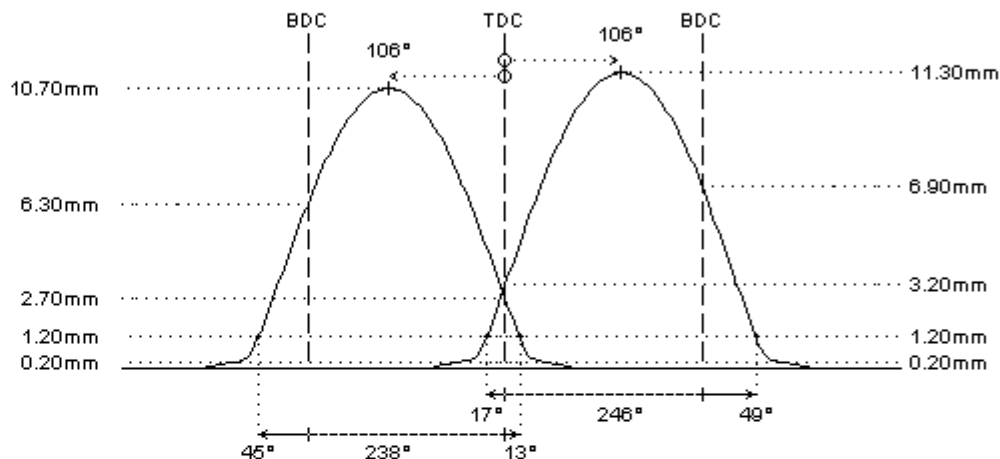
| | | |
|------------------|-------------|-----------|
| lash ramp | : 0.20mm | 0.20mm |
| duration @ 0.1mm | : 277° | 268° |
| duration @ 1.0mm | : 246° | 238° |
| valve lift | : 11.30mm | 10.70mm |
| cam lift | : | |
| lobe angle | : 106° | 106° |
| timing @ 1.0mm | : 17° / 49° | 45° / 13° |
| valve lift @ TDC | : 3.20mm | 2.70mm |

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 :



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- # 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 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
- # 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