

# 2290209

tarmac rally - race

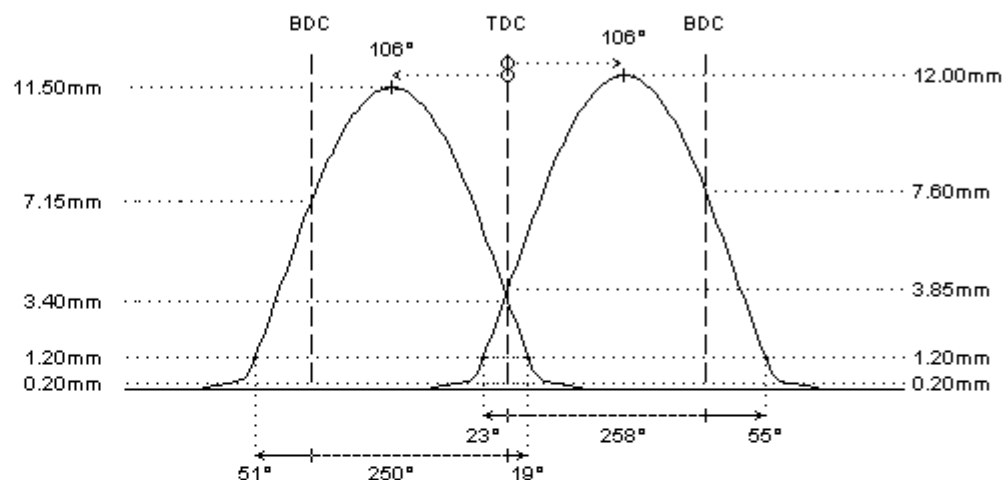
Ford Zeta 1.8 - 2.0L, hydro (silvertop)

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



|                       | intake          | exhaust         |
|-----------------------|-----------------|-----------------|
| <b>camshaft data:</b> |                 |                 |
| lash ramp             | : 0.20mm        | 0.20mm          |
| duration @ 0.1mm      | : 286°          | 279°            |
| duration @ 1.0mm      | : 258°          | 250°            |
| valve lift            | : 12.00mm       | 11.50mm         |
| cam lift              | :               |                 |
| lobe angle            | : 106°          | 106°            |
| timing @ 1.0mm        | : 23° / 55°     | 51° / 19°       |
| valve lift @ TDC      | : 3.85mm        | 3.40mm          |
| <b>parts setup:</b>   |                 |                 |
| cam wheels :          | :               | :               |
| follower              | :  CC018        | :  CC018        |
| 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-S90015   | :  PAC-S90015   |
| interior spring       | :               | :               |
| fitted load / length  | : 33kg @ 37.0mm | : 33kg @ 37.0mm |
| max. load / lift      | : 79kg @ 12.0mm | : 79kg @ 12.0mm |

REMARKS :



### REMARKS :

- # for 1st generation engines with hydraulic tappets, single groove valves and cylindrical valve springs (until '97)
- # - valve clearance is to be adjusted using mechanical lash caps  
- please make sure that the lash cap does not touch the valve locks !
- # 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