

# 7900513

tarmac rally - race

Volvo B234

I-4cyl 2.3L 16v DOHC (DTH/DTH)



## intake

## exhaust

### camshaft data:

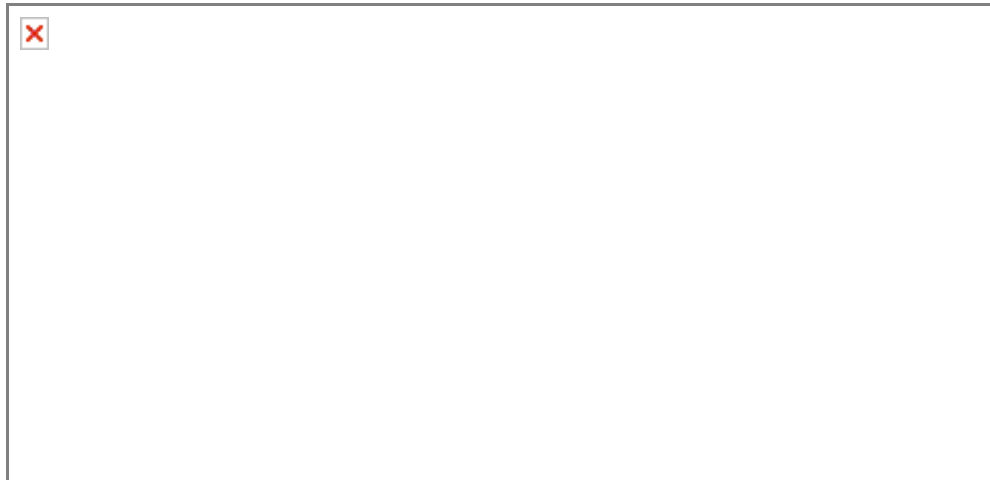
|                  |             |           |
|------------------|-------------|-----------|
| lash ramp        | : 0.20mm    | 0.20mm    |
| duration @ 0.1mm | : 294°      | 286°      |
| duration @ 1.0mm | : 260°      | 252°      |
| valve lift       | : 14.00mm   | 13.25mm   |
| cam lift         | :           |           |
| lobe angle       | : 106°      | 106°      |
| timing @ 1.0mm   | : 24° / 56° | 52° / 20° |
| valve lift @ TDC | : 4.70mm    | 4.10mm    |

### parts setup:

|                 |               |               |
|-----------------|---------------|---------------|
| cam wheels :    | :  CTVO023    | :  CTVO023    |
| follower        | :  CC005      | :  CC005      |
| valve lash      | :  TS102      | :  TS102      |
| valve           | : O.E.M.      | : O.E.M.      |
| valve locks     | : O.E.M.      | : O.E.M.      |
| upper retainer  | :  99322/s    | :  99322/s    |
| lower retainer  | : 99475       | : 99475       |
| exterior spring | :  PAC-E95009 | :  PAC-E95009 |
| interior spring | :  PAC-I95009 | :  PAC-I95009 |

|                      |                  |                  |
|----------------------|------------------|------------------|
| fitted load / length | : 35kg @ 35.0mm  | : 37kg @ 34.5mm  |
| max. load / lift     | : 115kg @ 14.5mm | : 115kg @ 14.0mm |

### REMARKS :



### REMARKS :

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