

# 7901411

hot street - dirt track

Volvo B230 B19 - B21 - B23 - B230

I-4cyl 2.3L 8v SOHC (DTs/DTs)



intake exhaust

## camshaft data:

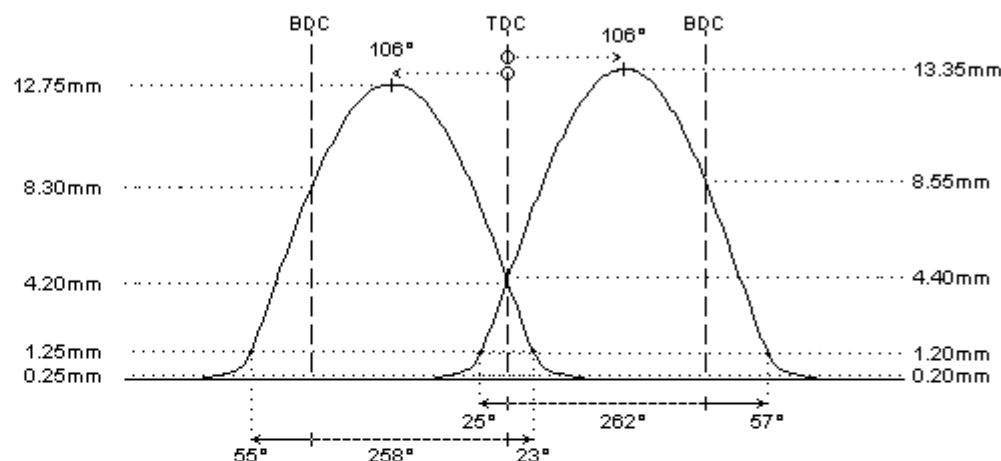
|                  |             |           |
|------------------|-------------|-----------|
| lash ramp        | : 0.20mm    | 0.25mm    |
| duration @ 0.1mm | : 306°      | 293°      |
| duration @ 1.0mm | : 262°      | 258°      |
| valve lift       | : 13.35mm   | 12.75mm   |
| cam lift         | :           |           |
| lobe angle       | : 106°      | 106°      |
| timing @ 1.0mm   | : 25° / 57° | 55° / 23° |
| valve lift @ TDC | : 4.40mm    | 4.20mm    |

## parts setup:

|                      |                  |                  |
|----------------------|------------------|------------------|
| cam wheels :         | CTV0021          | CTV0021          |
| follower             | CC009            | CC009            |
| valve lash           | TS103            | TS103            |
| valve                | : O.E.M.         | : O.E.M.         |
| valve locks          | : O.E.M.         | : O.E.M.         |
| upper retainer       | 99326            | 99326            |
| lower retainer       | not available    | not available    |
| exterior spring      | PAC-E95009       | PAC-E95009       |
| interior spring      | PAC-I95009       | PAC-I95009       |
| fitted load / length | : 36kg @ 34.0mm  | : 36kg @ 34.0mm  |
| max. load / lift     | : 113kg @ 14.0mm | : 113kg @ 14.0mm |

## REMARKS :

# replace OEM lower retainer to obtain a correct installation / fitted length  
(currently not available)



## REMARKS :

- # Volvo has used many different camshaft specifications. Please indicate STD cam base diameter and cam height when ordering sports camshafts. Depending on the engine version and application, extra modifications may be required.
- # 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