

# 1601242

full race

Nissan CG13DE

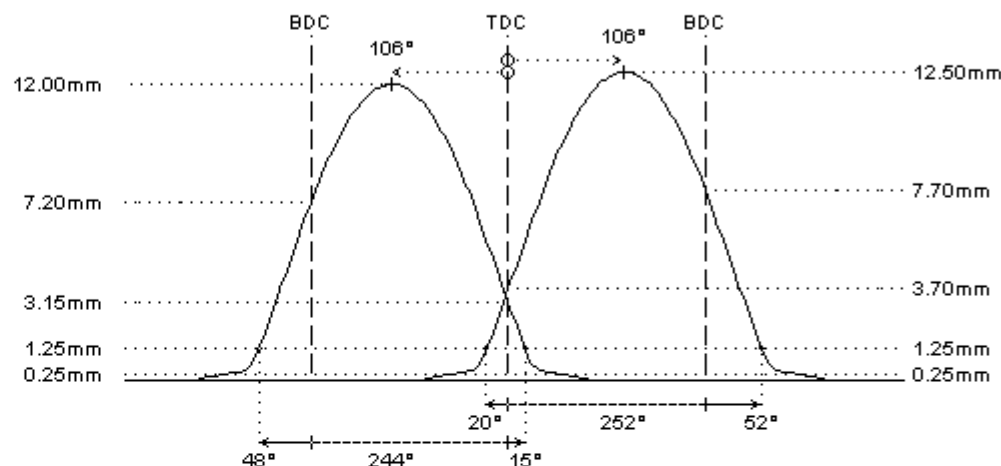
I-4cyl 1.3L 16v DOHC (DTs/DTs)



|                       | intake          | exhaust         |
|-----------------------|-----------------|-----------------|
| <b>camshaft data:</b> |                 |                 |
| lash ramp             | : 0.25mm        | 0.25mm          |
| duration @ 0.1mm      | : 285°          | 277°            |
| duration @ 1.0mm      | : 252°          | 243°            |
| valve lift            | : 12.50mm       | 12.00mm         |
| cam lift              | :               |                 |
| lobe angle            | : 106°          | 106°            |
| timing @ 1.0mm        | : 20° / 52°     | 48° / 15°       |
| valve lift @ TDC      | : 3.70mm        | 3.15mm          |
| <b>parts setup:</b>   |                 |                 |
| cam wheels :          | :               | :               |
| follower              | :  CC060        | :  CC060        |
| 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-E19862   | :  PAC-E19862   |
| interior spring       | :               | :               |
| fitted load / length  | : 31kg @ 34.5mm | : 31kg @ 34.5mm |
| max. load / lift      | : 88kg @ 13.0mm | : 88kg @ 13.0mm |

## REMARKS :

- # STD followers MUST be replaced by race followers [ref. CC060] with effective contact area of 30mm
- # check valve tip length above valve locks for correct lash cap fitting



## REMARKS :

- # 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