

**4003603**

sport

Mercedes M113.960 .960 .962 .963 .964 .965 .966 .967 .968 .969 .971

V-8cyl 5.0L 24v SOHC (RPRH/RPRH)

**intake****exhaust****camshaft data:**

|                  |             |          |
|------------------|-------------|----------|
| lash ramp        | : hydro     | hydro    |
| duration @ 0.1mm | : 282°      | 290°     |
| duration @ 1.0mm | : 220°      | 228°     |
| valve lift       | : 10.75mm   | 11.25mm  |
| cam lift         | : 7.50mm    | 7.85mm   |
| lobe angle       | : 110°      | 110°     |
| timing @ 1.0mm   | : -0° / 40° | 44° / 4° |
| valve lift @ TDC | : 1.00mm    | 1.40mm   |

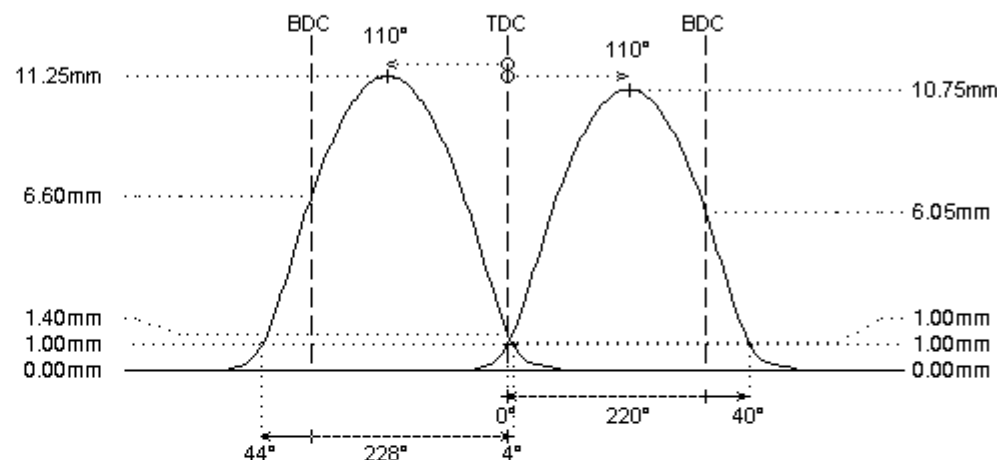
**parts setup:**

|                 |              |              |
|-----------------|--------------|--------------|
| cam wheels :    | :            | :            |
| follower        | : O.E.M.     | : O.E.M.     |
| valve lash      | : O.E.M.     | : O.E.M.     |
| valve           | : O.E.M.     | : O.E.M.     |
| valve locks     | : O.E.M.     | : O.E.M.     |
| upper retainer  | : 99572      | : 99572      |
| lower retainer  | : 99593/O    | : 99593/O    |
| exterior spring | : PAC-E92009 | : PAC-E92009 |
| interior spring | : PAC-I92009 | : PAC-I92009 |

|                      |                  |                  |
|----------------------|------------------|------------------|
| fitted load / length | : 35kg @ 34.0mm  | : 35kg @ 34.0mm  |
| max. load / lift     | : 104kg @ 14.0mm | : 104kg @ 14.0mm |

**REMARKS :**

# machining of cylinder head required

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# OEM data for M113.960 .961 .962 .963 .964 .965 .966 .967 .968 .969 .971  
 camshaft partnumber:  
 A113 050 32 01  
 A113 050 33 01

# ECU reprogramming advised