

4003702

tarmac rally - race

Mercedes M113.987 .987 .988 .989

V-8cyl 5.4L 24v SOHC (RPRH/RPRH)



	intake	exhaust
--	--------	---------

camshaft data:

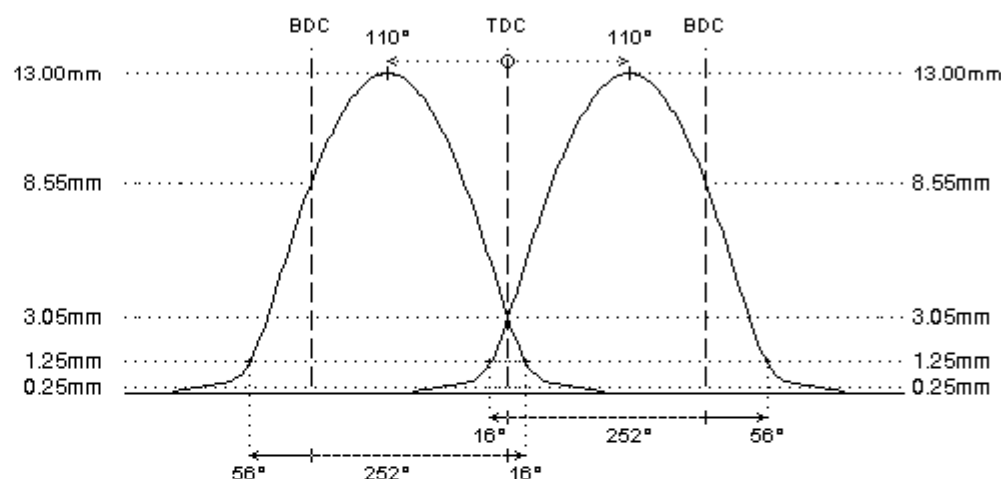
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 314°	314°
duration @ 1.0mm	: 252°	252°
valve lift	: 13.00mm	13.00mm
cam lift	: 9.10mm	9.10mm
lobe angle	: 110°	110°
timing @ 1.0mm	: 16° / 56°	56° / 16°
valve lift @ TDC	: 3.05mm	3.05mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: 11mm shim	: 11mm shim
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
- # Modification of rocker arms is required .
- # remove inner plunger from hydraulic element and replace with lash adjustment shim.

**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
- # valve seals must be lowered, race valvespring kit is required (available on special request only)
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors