

6100026

tarmac rally - race

Saab 99 EMS

I-4cyl 2.0L 8v SOHC (DT/DT)

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

lash ramp	: 0.25mm	0.20mm
duration @ 0.1mm	: 292°	299°
duration @ 1.0mm	: 258°	256°
valve lift	: 14.00mm	13.25mm
cam lift	:	
lobe angle	: 104°	104°
timing @ 1.0mm	: 25° / 53°	52° / 24°
valve lift @ TDC	: 4.95mm	4.45mm

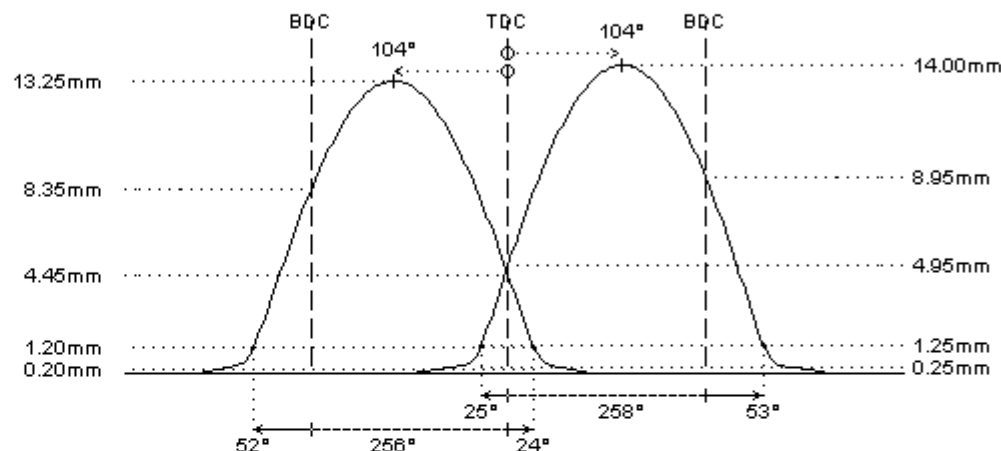
parts setup:

cam wheels :	INFO	INFO
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	: 99360	: 99360
lower retainer	: remove	: remove
exterior spring	: PAC-E29891	: PAC-E29891
interior spring	: PAC-I29891	: PAC-I29891

fitted load / length	: 45kg @ 42.0mm	: 45kg @ 42.0mm
max. load / lift	: 124kg @ 15.5mm	: 124kg @ 15.5mm

REMARKS :

if required, machine cylinder head and / or use solid shims to adjust spring load

**REMARKS :**

- # - steel billet camshafts
- bearing diameters: 28.94mm (attention: some engines have 25.94mm bearings!)
- all camshafts have a distributor sleeve
- # 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