

# 4901902

tarmac rally - race

Citroën EW10J4S 180hp

I-4cyl 2.0L 16v DOHC (DTH/DTH)



### intake

### exhaust

#### camshaft data:

lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 285°	274°
duration @ 1.0mm	: 251°	240°
valve lift	: 12.50mm	11.75mm
cam lift	:	
lobe angle	: 104°	108°
timing @ 1.0mm	: 22° / 49°	48° / 12°
valve lift @ TDC	: 3.95mm	2.65mm

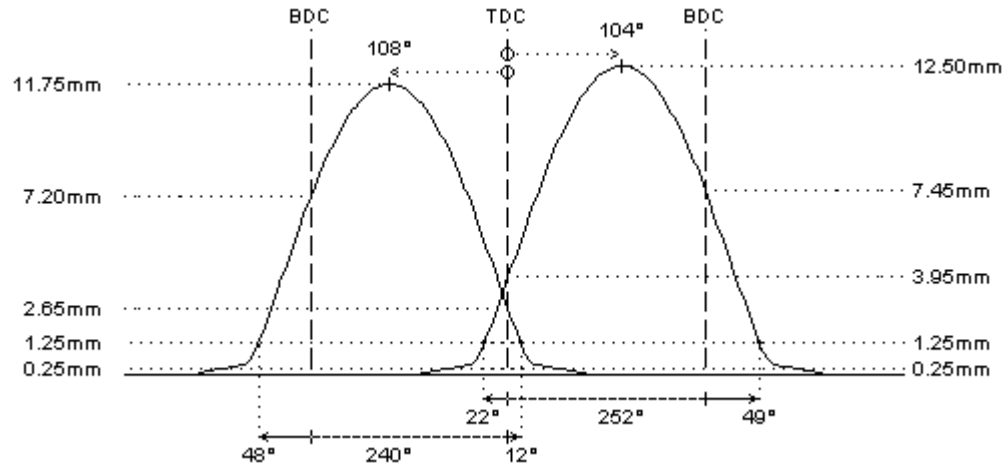
#### parts setup:

cam wheels :	:	:
follower	: <b>CC017</b>	: <b>CC017</b>
valve lash	: <b>TS101</b>	: <b>TS101</b>
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: <b>99410/s</b>	: <b>99410/s</b>
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: <b>PAC-S90015</b>	: <b>PAC-S90015</b>
interior spring	:	:

fitted load / length	: 30kg @ 38.0mm	: 30kg @ 38.0mm
max. load / lift	: 79kg @ 13.0mm	: 79kg @ 13.0mm

#### REMARKS :

#		#
Inlet Valves:		#
9249003 d6.00 // D35.0 // L106.1		#
Exhaust Valves:		#
9249004 d6.00 // D31.0 // L102.9		



#### REMARKS :

- # The original VVT system can be fitted on these camshafts. However, we strongly suggest to limit or disable the VVT system (see 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 clearance is to be adjusted using mechanical lash caps. these can have different shapes according the application:
  - plates available in different diameters and thickness
  - cups for different valve stem diameters. these center on either tappet or valve stem
  - other specific shapes available on request
- # disable VANOS system
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors