

2290403

hot street - dirt track

Ford ZH17 Sigma VVT in, 126hp

I-4cyl 1.7L 16v DOHC (DT/DT)



intake

exhaust

camshaft data:

lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 278°	268°
duration @ 1.0mm	: 247°	238°
valve lift	: 11.15mm	10.70mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: 14° / 53°	49° / 9°
valve lift @ TDC	: 2.70mm	2.25mm

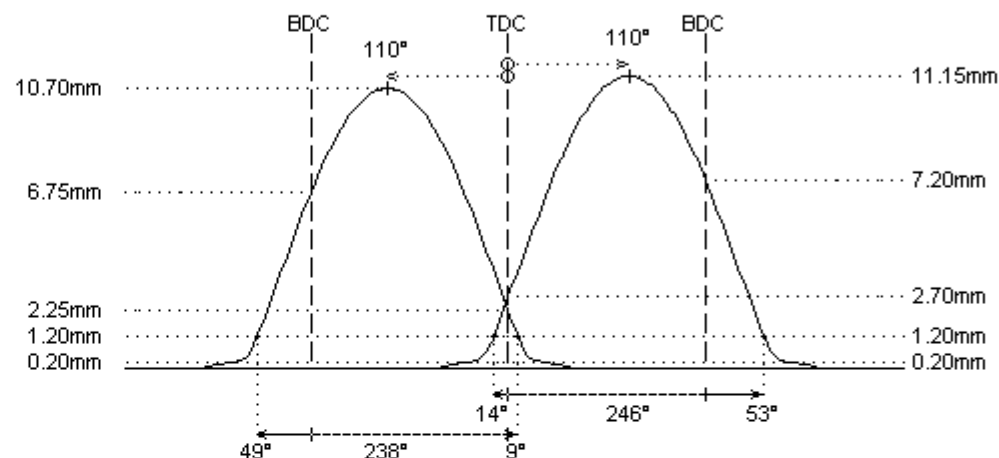
parts setup:

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 :	O.E.M.	O.E.M.
lower retainer :	99503/O	99503/O
exterior spring :	PAC-E99865	PAC-E99865
interior spring :		

fitted load / length	: 22kg @ 30.5mm	: 22kg @ 30.5mm
max. load / lift	: 48kg @ 12.5mm	: 48kg @ 12.5mm

REMARKS :

Lower valve seal/guide for valve lift >10.5mm



REMARKS :

- # ONLY for competition engines without VANOS system
- # 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 dirt track applications and pro street use with adjustable engine management or carburetors