

2292004

tarmac rally - race

Ford ST180 Ecoboost

I-4cyl 1.6L 16v DOHC

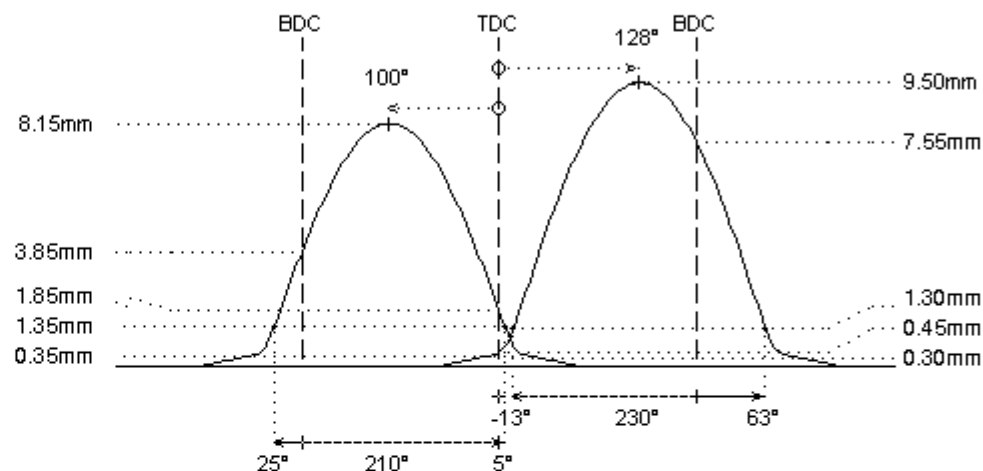
**intake****exhaust****camshaft data:**

lash ramp	: 0.30mm	0.33mm
duration @ 0.1mm	: 266°	242°
duration @ 1.0mm	: 230°	210°
valve lift	: 9.50mm	8.15mm
cam lift	: 9.50mm	8.15mm
lobe angle	: 128°	100°
timing @ 1.0mm	: -13° / 63°	25° / 5°
valve lift @ TDC	: 0.45mm	1.85mm

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	: O.E.M.	: O.E.M.
exterior spring	: PAC-I99891	: PAC-I99891
interior spring	:	:

fitted load / length	: 25kg @ 35.8mm	: 25kg @ 35.8mm
max. load / lift	: 45kg @ 12.0mm	: 45kg @ 12.0mm

REMARKS :**REMARKS :**

- # Distance between valve and piston should be 1.0mm at least:
 - check 5-15° after TDC on intake
 - check 5-15° before TDC on exhaust
 Machine pistons if required. Wrong installation can cause severe engine damage!
- # VVT reprogramming, operating range adjustment or even eliminating the VVT system should be considered for camshafts with increased duration
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors
- # if required, use extra shims to increase spring load