

2292005

full race

Ford ST180 Ecoboost

I-4cyl 1.6L 16v DOHC

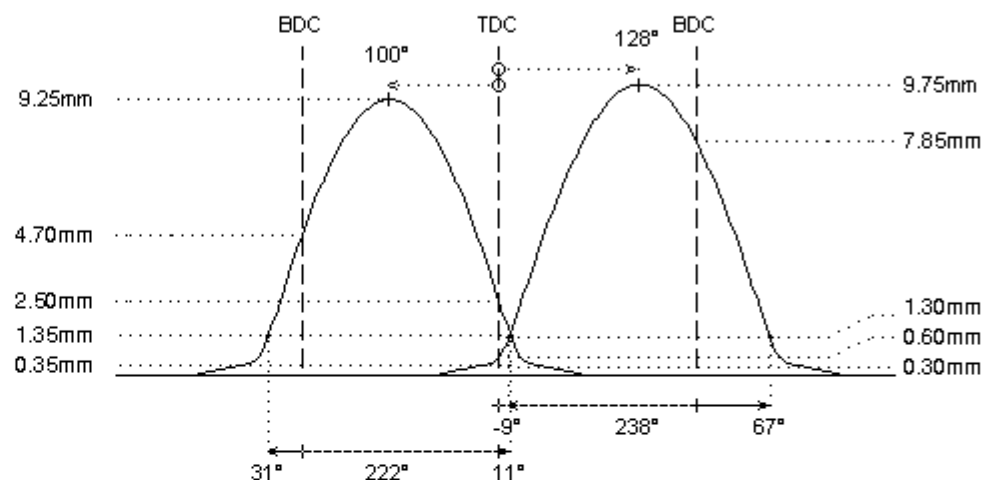
**intake****exhaust****camshaft data:**

lash ramp	: 0.30mm	0.33mm
duration @ 0.1mm	: 274°	252°
duration @ 1.0mm	: 238°	222°
valve lift	: 9.75mm	9.25mm
cam lift	: 9.75mm	9.25mm
lobe angle	: 128°	100°
timing @ 1.0mm	: -9° / 67°	31° / 11°
valve lift @ TDC	: 0.60mm	2.50mm

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