

2291020

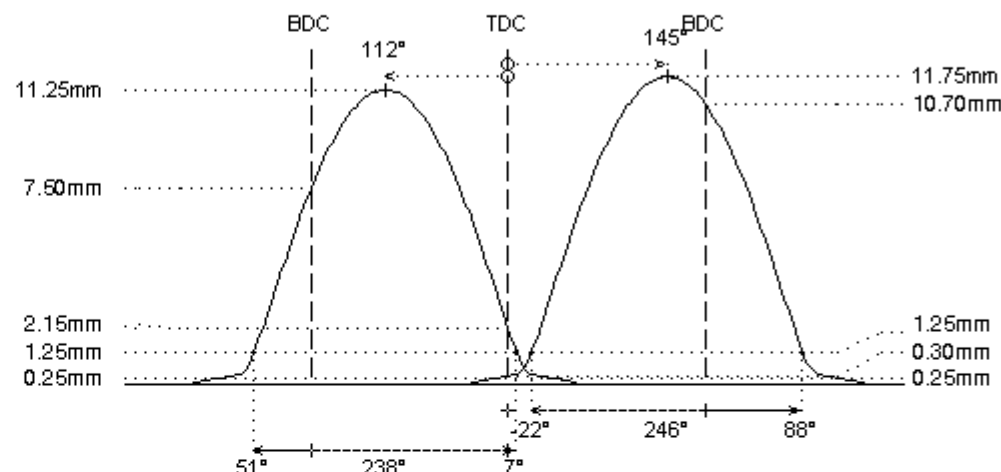
hot street - dirt track

Ford ALDA ST170, VVT

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



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 280°	272°
duration @ 1.0mm	: 246°	238°
valve lift	: 11.75mm	11.25mm
cam lift	: 11.75mm	11.25mm
lobe angle	: 145°	112°
timing @ 1.0mm	: -22° / 88°	51° / 7°
valve lift @ TDC	: 0.30mm	2.15mm
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	: O.E.M.	: O.E.M.
interior spring	:	:
fitted load / length	: 19kg @ 0.0mm	: 21kg @ 0.0mm
max. load / lift	: 50kg @ 12.0mm	: 50kg @ 10.5mm

REMARKS :**REMARKS :**

- # -> intake camshaft for use with vvt system (like original intake)
- > The cam trigger will need to be transferred from oem camshaft

- # In the factory valve setup, the valve clearance is set by cam followers of individual lengths.

Cat Cams offers two options to adjust the valve clearance:

1/ camshafts with factory cam base diameter of 38.2mm: use O.E.M. tappets with appropriate inner stud length to adjust the clearance. It may be required to replace the cam followers to obtain the correct valve clearance.

2/ camshafts with reduced cam base diameter to 35.0mm: use lash caps (dia. 6mm) with appropriate thickness to adjust the clearance

- -> Please indicate the cam base diameter when ordering.

- # 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

- # stand alone ECU based on throttle position sensor advised