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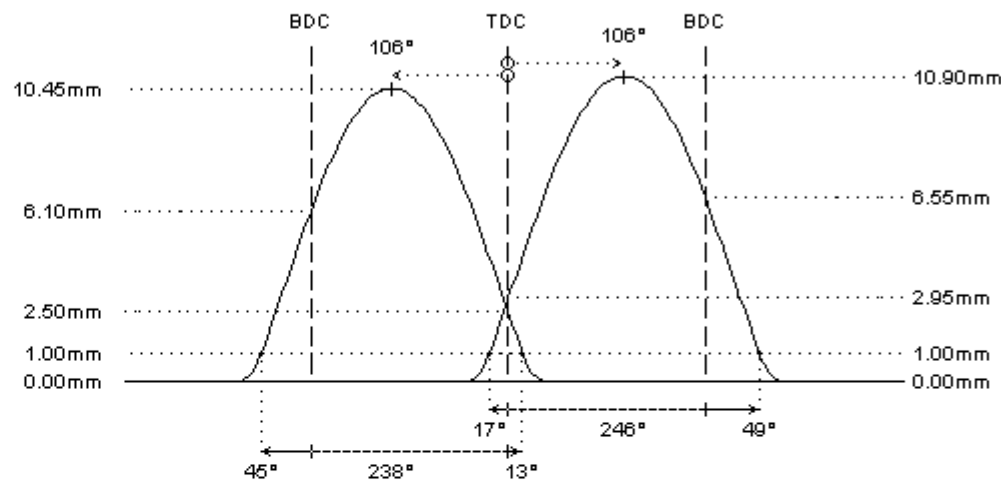
hot street - dirt track

Mazda BP Hydraulic cam followers

I-4cyl 1.8L 16v DOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 274°	266°
duration @ 1.0mm	: 246°	238°
valve lift	: 10.90mm	10.45mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 17° / 49°	45° / 13°
valve lift @ TDC	: 2.95mm	2.50mm
parts setup:		
cam wheels :	CTMA023	CTMA023
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 :	99417/s	99417/s
lower retainer :	O.E.M.	O.E.M.
exterior spring :	PAC-S90019	PAC-S90019
interior spring		
fitted load / length	: 33kg @ 35.0mm	: 33kg @ 35.0mm
max. load / lift	: 82kg @ 12.5mm	: 82kg @ 12.5mm



REMARKS :

- # camshafts for use in 1840cc BP engines with originally hydraulic cam followers (30mm):
 - short intake camshaft
 - long exhaust camshaft, grooves in cam bearings, slot for distributor drive
- # 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
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors

REMARKS :

- # valve locks and retainer are not interchangeable with the parts of BP engines with original mechanical followers.