

Newman Cams

CAMSHAFT ENGINE TIMING SHEET

Description	Triumph	3/4" Radius Follower	
Part No.		Profile No.	71-3355

Camshaft Lobe Centres

	Exhaust	Inlet	LCA
a	110.0	110.0	110.0

Camshaft Checking Height

	Exhaust	Inlet
b	0.010"	0.010"

	1	2	3	4
	E	E	I	I
c	82	82	82	82

d	94	54	54	94
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Camshaft Duration

	Exhaust	Inlet
e	328	328

a: Is the angular difference of exhaust and inlet cam lobes.

b: Is the actual checking height of cam profile.

c: Is the degrees of the actual from full lift to the checking to the checking clearance.

d: Is the actual valve timing that would be obtained using the checking clearance.

e: Is the duration of the cam profile of exhaust and inlet lobes at the checking clearance.

	Cam Lift Lift @ TDC	
Inlet	0.347"	0.100"
Exhaust	0.347"	0.100"

	Running Clearance	
Inlet	0.010"	
Exhaust	0.010"	

- 1 Exhaust valve opens before bottom dead centre.
- 2 Exhaust valve closes after top dead centre.
- 3 Inlet valve opens before top dead centre.
- 4 Inlet valve closes after bottom dead centre.

Note :- The camshaft timing figures are based on an equal peak difference split of the inlet and exhaust profiles.

The checking clearance figures may also vary from running clearance figures to compensate exhaust valve expansion, cylinder block expansion, etc.