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CAM TIMING CHART

Jaguar 6 Cyl. Profiles

Profile		FAST ROAD	FULL RACE 1	FULL RACE 2	FULL RACE 3
Power Band RPM		2000-6000	3500-6500	3800-7000	4000-7000
Inlet opens BTDC		35°	45°	51°	44°
Inlet closes ABDC		67°	85°	83°	80°
Exhaust opens BBDC		67°	85°	83°	80°
Exhaust closes ATDC		35°	45°	51°	44°
Inlet Duration		282°	310°	314°	304°
Exhaust Duration		282°	310°	314°	304°
Inlet timing @ full lift ATDC		106°	110°	106°	108°
Checking height for above durations		0.010"	0.010"	0.010"	0.010"
		0.25mm	0.25mm	0.25mm	0.25mm
Cam lift		0.415"	0.445"	0.501"	0.535"
		10.54mm	11.30mm	12.72mm	13.59mm
Valve lift inlet		0.407"/10.34mm	0.437"/11.10mm	0.493"/12.52mm	0.527"/13.39mm
Valve lift exhaust		0.405"/10.29mm	0.435"/11.05mm	0.491"/12.47mm	0.525"/13.34mm
Valve clearance	Inlet	0.008"/0.20mm	0.008"/0.20mm	0.008"/0.20mm	0.008"/0.20mm
	Exhaust	0.008"/0.20mm	0.010"/0.25mm	0.010"/0.25mm	0.010"/0.25mm
		@106°	@110°	@106°	@106° @108°
Valve lift at TDC	Inlet	0.110"/2.79mm	0.117"/ 2.97mm	0.166" / 4.21mm	0.170" 0.157
	Exhaust	0.095"/2.41mm	0.108"/2.74"mm	0.153" / 3.88mm	0.155" 0.143

ALL CAMS

New steel camshaft base circles are: Straight Port 1.040" / 26.42mm Wide Angle 1.180" / 29.97mm

Other diameters available to order.

Reground camshafts have smaller base circles.

All cams are supplied with 4 bolt flanges and X-drilled with lobe base circle oil holes.

All cams require careful checking of valve to valve, valve to piston and top cap to valve guide clearances etc.

PROFILES

FAST ROAD

Smooth and powerful. Suitable for SU or Weber Carburettors.

FULL RACE 1

The only profile which is possible to re-profile onto original iron camshafts. Suitable for SU or Weber Carburettors. Can be used with original diameter cam buckets although for sustained high RPM 1.4" diameter buckets are preferred.

FULL RACE 2

Only available on new camshafts. Must use 11/2" diameter cam buckets.

FULL RACE 3

Only available on new camshafts. Must use $1\frac{1}{2}$ " or larger diameter cam buckets. More widely used in wide angle heads.