



Moss Motors, Ltd.  
 440 Rutherford Street  
 Goleta, CA 93117

## Specifications and Tune-Up Data XKs

### Basic Capacities (In U.S. Pints Except Where Noted)

Car	Engine Oil	Manual Trans	M/T W/ O.D.	Auto Trans.	Rear Axle	Cooling System	Fuel (U.S. Gallons)
XK-120	28	3	N/A	N/A	4.2	29.8	17-1/2
XK-140	26-1/2	3	4-1/4	18	4-1/4	30	16-3/4
XK-150	18	3	4-1/4	18	4-1/4	27-1/4	16-3/4

### Basic Torque Values

Application	Inch Pounds	Foot Pounds	KG/M.
Cam Bearing Caps	175	15	2.0 kg/m.
Connecting Rod Bolts	450	37	5.1 kg/m.
Main Bearing Cap Bolts	1000	83	11.5 kg/m.
Cylinder Head Nuts, 3.4, 3.8, Early 4.2	650	54	7.5 kg/m.
Flywheel		67	9.2 kg/m.

**Note:** See separate listing for ARP-brand fasteners.

### Valve Clearance (Cold)

Application	Intake	Exhaust
XK-120	.006"	.008"
XK-140	.004"	.006"
XK-150, Normal	.004"	.006"
XK-150, Race	.006"	.010"

### Firing Order

Six Cylinder: 1-5-3-6-2-4 (#6 is front-most cylinder)

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### Timing

Application	Setting	Notes
XK-120	5° B.T.D.C.	7:1 compression
XK-120	0° T.D.C.	8:1 compression
XK-140	8° B.T.D.C.	7:1 compression
XK-140	10° B.T.D.C.	8:1 compression with 1-3/4" carbs
XK-140	5° B.T.D.C.	8:1 or 9:1 compression with 2" carbs
XK-150	4° B.T.D.C.	7:1 compression
XK-150	6° B.T.D.C.	8:1 compression
XK-150	5° B.T.D.C.	9:1 compression
XK-150 "S"	9° B.T.D.C.	All

### Spark Plug Gap

XK-120	.022"/.56mm
XK-140	.022"/.56mm
XK-150	.025"/.64mm
XK-150 "S"	.025"/.64mm

### Point Gap

XK-120	.012"
XK-140	.014" to .016"
XK-150	.014" to .016"

### Front Wheel Alignment

Application	Castor	Camber	Toe
XK-120	3° Positive (5° Positive prior to 660126 (RHD) and 670439 (LHD))	1-3/4° to 2° Positive	1/8" to 3/16" Toe In
XK-140	1-1/2° to 2° Positive	1/2° to 1° Positive	Parallel to 1/8" (3.17mm) Toe in
XK-150	1-1/2° ± 2° Positive	1/2° ± 1° Positive	Parallel to 1/8" (3.17mm) Toe in

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