

Basic Capacities

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

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 & 1-3/4" carbs
XK-140	5° B.T.D.C.	8:1 or 9:1 compression & 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

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.

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"

Firing Order

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

Valve Clearance (Cold)

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

Front Wheel Alignment

XK-120

Castor	3° Positive (5° Positive prior to 660126 (RHD) and 670439 (LHD))
Camber	1-3/4° to 2° Positive
Toe	1/8" to 3/16" Toe In

XK-140

Castor	1-1/2° to 2° Positive
Camber	1/2° to 1° Positive
Toe	Parallel to 1/8" (3.17mm) Toe in

XK-150

Castor	1-1/2° ± 2° Positive
Camber	1/2° ± 1° Positive
Toe	Parallel to 1/8" (3.17mm) Toe in