



SPITFIRE &amp; GT6 MAGAZINE

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## Spitfire General Specification Data

If not specified, data refers to Spitfire 1500

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Capacities	non-US market	US market
Fuel	37.6 liters	9.9 gallons
Engine oil with filter change	4.5 liters	4.75 quarts
Engine oil without filter change	4.0 liters	4.25 quarts
Gearbox	.85 liters	.9 quarts
Gearbox with overdrive	1.35 litres	1.4 quarts
Final Drive (diff.)	.57 liters	.6 quarts
Cooling System	4.5 liters	4.75 quarts (1.2 gallons)

<b>Engine Specs.</b> ( <a href="#">Tuning Data</a> )	non-US market	US market (the same as non-US if no difference is indicated)
Number of cylinders	4 in line	-
Bore of cylinders	2.9 in (73.7 mm)	-
Stroke of crankshaft	3.44 in (87.5mm)	-
Capacity	91 cubic in (1493 cc)	-
Compression ratio	9.0:1	7.5:1 (1976 - 9.0:1)
Maximum power	71 b.h.p. Din at 5500 rpm	53 b.h.p. SAE net at 5000 rpm
Maximum torque	985 lbf/in at 3000 rpm	830 lbf/in at 2500 rpm

engine weight (approx.)	220 lbs. (100kgs) stripped plus weight of manifolds and flywheel	
<b>Lubrication</b> for capacities see our <a href="#">Lubrication Specifications</a> page		<a href="#">▲ back to top</a>
Oil pump	High capacity rotor type	-
Oil filter	Full flow type, disposable cartridge	-
Oil warning light	Extinguishes at 3 to 5 lb/in <sup>2</sup> (0.21 to 0.35 kg/cm <sup>2</sup> ) oil pressure	
<b>Cooling System</b>		<a href="#">▲ back to top</a>
Type	'No-loss' Water system	-
Circulation	impeller type pump, Vee belt driven	
Pressure	13lb/in <sup>2</sup> (0.91kg/cm <sup>2</sup> )	-
Thermostat	Opens at 82 C (180 F) summer, 88 C (190 F) winter	
Fan	7 blades 12 1/2 in diameter	13 blades 12 1/2 in diameter with viscous coupling
Fan belt	0.75" to 1" (19-25 mm) deflection at mid point of longest run	
<b>Fuel system</b> (also see <a href="#">Tuning Data page</a> )		<a href="#">▲ back to top</a>
Tank (limited fill fuel tank)	37.6 liters	9.9 gallons
Fuel Octane		1970 Mk3: 100 octane 1974-80 1500: 91 octane
Pump	Mechanically operated diaphragm type	-
Carburetter	Twin SHUS4 side draughts	Single Stromberg 150 CDSE side draught [1970] Single Stromberg 150 CD4 side draught [1975,1979-80] Single Stromberg 150 CD4T? side draught [1976-1978] California market Single Stromberg CD4T 150 auto-choke, side draught

Air Cleaner	Combined air cleaner and silencer with replacement paper elements	U.S.A. models fitted with a temperature controlled inlet air flow					
Crankcase ventilation	Closed circuit breathing from rocker cover to constant depression side of carburetters.						
Evaporative Emission control	N/A	U.S.A. models only, sealed tank filler cap. Vapor emissions from tank are vented via a separator canister to a carbon canister located in the engine compartment. Canister is purged by carburetter depression. An air pump injects air into each exhaust port via a distribution manifold and an E.G.R. valve. A service indicator located in the engine bay illuminates a warning light on the facia when the E.G.R. valve is due for periodical maintenance.					
<b>Clutch</b>		<a href="#">▲ back to top</a>					
Make/type	Borg and beck, single dry plate, diaphragm spring type						
Release mechanism	Hydraulically operated	-					
Plate diameter	6.5" to 1500, 7.25" after	-					
Facing material	Borg and Beck 11046 H.K. Porter 11046						
<b>Gearbox</b>		<a href="#">▲ back to top</a>					
Synchromesh	On forward gears	-					
	O/D 4th	4th	O/D 3rd	3rd	2nd	1st	Rev.
Gear Ratios	-	1.00	-	1.39	2.16	3.50 or 3.99 (Mk3)	3.99
Overall: USA	3.10	3.89	4.31	5.42	8.40	13.62	15.51
Overall: non USA	2.89	3.63	4.03	5.05	7.85	10.70	14.48
Overdrive (Optional)	-				-		
Make/type	Laycock J-Type						
Operative on	4th and 3rd gears						

Overall ratio	0.797:1	-				
<b>Final Drive</b> (also see <a href="#">final drive page</a> )		<a href="#">▲ back to top</a>				
Type	Hypoid bevel gears in rear axle	-				
Ratio	3.63:1	3.89:1				
Effective Gearing (Approximate values depending on type and condition of tires)						
	O/D 4th	4th	O/D 3rd	3rd	2nd	1st
Engine speeds (rev/min) at road speed of 10 mph-U.S.A.	474	595	660	827	1282	2084
Non U.S.A.	442	555	616	772	1200	1942
Road speed Data (Approximate values depending on type and condition of tires)						
Road speed at 1,000 re/min engine speed O/D 4th gear	22.6 mph	21.2 mph				
4th gear	16.7 mph	18.0 mph				
<b>Steering</b>						
<a href="#">▲ back to top</a>						
Make/Type	Alford & Alder, rack and pinion	-				
Turning circle	Spitfire 1500: 24 feet (7.3 metres) GT6: 25 feet 3'	-				
Steering wheel diameter	14.5 in (368mm)	-				
Steering wheel nut	1 1/16"	-				
Turns lock to lock	3 3/4	-				
<b>Brake System</b>						
<a href="#">▲ back to top</a>						
Foot pedal	Hydraulic on all four wheels	Tandem master cylinder operating front and rear brakes independently				
Hand brake	Mechanical on rear wheels only	-				
Type	Caliper disc front, Drums rear	-				
Disc diameter	9 in (229mm)	-				
Disk Lining area	14.8 in <sup>2</sup> (95cm <sup>2</sup> )	-				

Disk Swept area	150.0 in <sup>2</sup> (967 cm <sup>2</sup> )	-
<b>Wheels And Tires</b> for more info see our <a href="#">Wheels/Tires</a> page		<a href="#">▲ back to top</a>
Wheels	3.5 x 13 Steel disk (Mk1-early Mk3) 4 1/2 x 13 Steel disc type (Mk3 up) 5 x 13 (1980)	-
Tires	155SR x 13 in radial ply	-
Tire pressures-front	21 lb/in <sup>2</sup> (1.476 kg/cm <sup>2</sup> ) (18 for Mk1-3)	-
Tire pressures-rear	26lb/in <sup>2</sup> (1.828 kg/cm <sup>2</sup> ) (24 for Mk1-3)	-
wheel lug bolt studs	3/8"	-
<b>Chassis Data</b>		<a href="#">▲ back to top</a>
Wheelbase	83 in (2110 mm)	-
Track (2 up condition): front	49 in (1244 mm)	-
Track (2 up condition): rear	Spitfire Mk1-4/GT6 Mk1: 48 in GT6 Mk2-3: 49 in Spitfire 1500: 50 in (1270 mm)	-
Wheel alignment (2 up condition) front	0 to 1/16 in toe in (0 to 1.5875 mm)	For more info about alignments, visit the <a href="#">alignment page</a>
rear	0 to 1/16 in toe in (0 to 1.5875 mm)	-
Ground clearance (2 up condition)	GT6: 4 in (102 mm) Spit: 5 in (127 mm)	-
Camber (2 up condition) front	2 degrees positive ±1/2	-
rear	3 1/4 degrees negative ± 1	-
Caster (2 up condition)	4 1/2 ± 1/2	-
King Pin inclination (2 up condition)	6 3/4 ± 3/4	-

<b>Electrical Equipment</b>		<a href="#">▲ back to top</a>
Electrical System	12 volt negative earth	-
Battery capacity	40 amp hour at 20 hour rate	-
Alternator type	Mk3: Lucas C40-1 limited by v.r. to 22 amp max. 1500: Lucas 16 ACR output 34 amps	-
Starter motor	M.35 J inertia type	-
<b>Overall Dimensions</b>		<a href="#">▲ back to top</a>
Length	149 in (3785 mm)	155.25 in (3943 mm), 1976-1980: 156.3 in (3970)
Width	58.5 in (1488 mm)	-
Height (unladen) to top of windscreen	44.25 in (1125 mm)	43.7 in (1110 mm)
Soft top hood erect	45.8 in (1162 mm)	45.6 in (1159 mm)
Hard top	45.2 in (1148 mm)	45.4 in (1153 mm)
<b>Weights (approx)</b>		<a href="#">▲ back to top</a>
Dry (excluding extra equipment)	763 kg	804 kg, 1976-80: 1761 lb (799 kg)
Basic Kerb (including water, oil, fuel and tools)	792 kg	829 kg, 1976-80: 1814 lb (823 kg)
Kerb (including optional extras, water, oil, etc.)	841 kg	876 kg, 1976-80: 1900 lb (862 kg)
Maximum gross vehicle weight	1036 kg	1061 kg, 1976-80: 2339 lb (1061 kg)
Hardtop weight	58 lbs.	
<b>Towing Information</b>		<a href="#">▲ back to top</a>
Maximum recommended trailer weight	610 kg-when trailer being towed is equipped with brakes 200 kg-when trailer being towed is not equipped with	

	brakes, providing that the total car and trailer laden weights do not exceed 1112 kg
Maximum starting gradient (fully laden car and trailer)	5.5 degrees (with car engine in peak condition)
Maximum climbable gradient (fully laden car and trailer)	4.3 degrees (with car engine in peak condition)

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