

BSA SERVICE SHEET No. 510

October, 1948.
Revised June, 1959.

MODELS D1, D3 and D5 and D7 USEFUL DATA

Petrol tank capacity (approx.) ...	1½ galls. (8 litres).	D5 and D7 2 galls.
"Petrol" mixture	2 filler cap measures per gallon petrol with 6¼" filler. 2½ filler cap measures per gallon petrol with 5" filler.	
Gearbox capacity	¾ pint (425 c.c.).	
Bore	D1 - 52 mm. D3 - 57 mm. D5 and D7 - 61.5 mm.	
Stroke	58 mm.	
Capacity (swept volume) ...	D1 - 123 c.c. D3 - 148 c.c. D5 and D7 - 174 c.c.	
Piston ring gap	Max. .013 in. (.325 mm.). Min. .009 in. (.225 mm.).	
Ignition timing	Piston distance before t.d.c. with points just opening. 5/32 in. (3.75 mm.). D1 and D3 ¼" (1.587 mm.) D5 and D7	
Plug point gap015 in. to .018 in. (.38 to .45 mm.).	
Gear ratios	Standard Competition D5 and D7	
	Top ... 7.0 to 1. 8.64 to 1. 6.48	
	Second ... 11.7 to 1. 14.45 to 1. 10.74	
	First ... 22.0 to 1. 27.1 to 1. 20.2	
Tyre size, Front	2.75 × 19. D5 and D7, 3.00 × 18.	
Rear	Standard 2.75 × 19; Comp., 3.25 × 19; D5 and D7, 3.00 × 18.	
Tyre pressures, Front ...	16 lbs. sq. in. (1.125 kg. per sq. cm.). D5 and D7, 16 lbs. p.s.i.	
(Standard Model) Rear ...	20-22 lbs. sq. in. (1.55 kg. per sq. cm.). D5 and D7, 24 lbs. p.s.i.	
Front chain (.375in. × .225in.) ...	50 Links.	
Rear chain (½ in. × .205 in.)		
Standard, Rigid Frame ...	116 Links.	
Spring Frame ...	117 Links (D3, D5 and D7 S/Arm - 121 Links.	
Comp., Rigid Frame	122 Links.	
Spring Frame	123 Links.	
Standard carburetter jet	D1 - 75. D3 - 90. D5 and D7 - 140.	
Jet needle position	2nd notch from top. D5 and D7, 4th.	

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