

SERVICE SHEET No. 510

*Revised June, 1959
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Models D1, D3, D5 and D7

USEFUL DATA

PETROL TANK CAPACITY (approx.)				1 $\frac{3}{4}$ galls. (8 litres). D5 and D7 2 galls.																
“PETROIL” MIXTURE		2 filler cap measures per gallon petrol with 6 $\frac{1}{4}$ in. filler. 2 $\frac{1}{2}$ filler cap measures per gallon petrol with 5 in. filler.																
GEARBOX CAPACITY		$\frac{3}{4}$ 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		Maximum .013 in. (.325 mm.). Minimum .009 in. (.225 mm.).																
IGNITION TIMING		Piston distance before top dead centre with points just opening, $\frac{1}{32}$ in. (3.75 mm.), D1 and D3 $\frac{1}{16}$ in. (1.587 mm.) D5 and D7.																
PLUG POINT GAP015 in. to .018 in. (.38 to .45 mm.).																
GEAR RATIOS	<table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th>Standard</th> <th>Competition</th> <th>D5 and D7</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td>7.0 to 1</td> <td>8.64 to 1</td> <td>6.48 to 1</td> </tr> <tr> <td>Second</td> <td>11.7 to 1</td> <td>14.45 to 1</td> <td>10.74 to 1</td> </tr> <tr> <td>First</td> <td>22.0 to 1</td> <td>27.1 to 1</td> <td>20.2 to 1</td> </tr> </tbody> </table>		Standard	Competition	D5 and D7	Top	7.0 to 1	8.64 to 1	6.48 to 1	Second	11.7 to 1	14.45 to 1	10.74 to 1	First	22.0 to 1	27.1 to 1	20.2 to 1
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TYRE SIZE,	Front	2.75 \times 19. D5 and D7, 3.00 \times 18.																
	Rear	Standard 2.75 \times 19; Competition 3.25 \times 19; D5 and D7, 3.00 \times 18.																
TYRE PRESSURES	Front	16 lbs. sq. in. (1.125 kg. per sq. cm.). D5 and D7, 16 lbs. per square inch.																
(Standard Model)	Rear	20-22 lbs. sq. in. (1.55 kg. per sq. cm.). D5 and D7, 24 lbs. per square inch.																
FRONT CHAIN (3.75 in. \times .225 in.)				50 links.																
REAR CHAIN ($\frac{1}{2}$ in. \times .205 in.)																				
Standard,	Rigid Frame	116 links.																
	Spring Frame	117 links (D3, D5 121 links, D7 Swinging Arm 120 links).																
Competition	Rigid Frame	122 links.																
	Spring Frame	123 links.																
STANDARD CARBURETTOR JET				D1—75 D3—90, D5 and D7—140.																
JET NEEDLE POSITION		Second notch from top, D5 and D7, fourth.																

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