

## ILLUSTRATION INDEX

Fig.		Page
1	Control Layout ... ..	12
2	Twinseat raised to show Toolkit and Oil Tank ...	17
3	Petrol Tap Position ... ..	17
4	Engine Lubrication System ... ..	21
5	Oil Pump ... ..	23
6	Oil Pressure Release Valve ... ..	24
7	Crankshaft Assembly ... ..	31
8	Crankcase Assembly ... ..	32
9	Cylinder Block and Head ... ..	33
10	To Adjust the Tappets ... ..	35
11	Camshaft Pinion Removal and Replacement Tool Z.89	41
12	To Remove the Camshaft Pinions ... ..	42
13	To Replace the Tappet Blocks ... ..	49
14	Taper Faced Piston Ring Position ... ..	51
15	To Fit the Connecting Rods ... ..	57
16	To Replace the Camshaft Pinions... ..	59
17	Timing Gear Markings ... ..	60
18	Timing Diagram ... ..	61
19	To Replace the Cylinder Block ... ..	62
20	To Time the Ignition ... ..	63
21	Shafts and Gears ... ..	70
22	To Remove the Clutch ... ..	72
23	Gearbox Outer Cover Assembly ... ..	73
24	Gearbox Inner Cover Assembly ... ..	75
25	Kickstarter Return Spring ... ..	76
26	Clutch and Shock Absorber ... ..	78
27	Clutch Shock Absorber ... ..	81
28	Clutch Tools ... ..	82
29	Rear Chain Adjustment ... ..	87
30	Chain Rivet Extractor ... ..	88
31	Chains ... ..	89
32	To Test the Adjustment of the Steering Head Races ...	91
33	Telescopic Fork ... ..	92
34	To Align the Front Fork ... ..	98
35	Frame and Fittings ... ..	101
36	Suspension Unit Adjustment ... ..	102
37	Girling Suspension Unit ... ..	103
38	Front Wheel ... ..	106
39	To Remove the Rear Wheel ... ..	111
40	Rear Wheel ... ..	112
41	Rear Brake Adjustment ... ..	116
42	Quickly Detachable Rear Wheel ... ..	120
43	Amal Monobloc Carburetter ... ..	129
44	Twistgrip Throttle Control ... ..	132
45	Alternator Model RM.13/15 ... ..	136
46	Wiring Diagram 3T and 5TA ... ..	137
47	Wiring Diagram T100A ... ..	139

## ILLUSTRATION INDEX—continued

Fig.		Page
48	Distributor, Model 18 D2 ... ..	141
49	Headlamp ... ..	147
50	Taking Hydrometer Readings ... ..	148
51	Toolkit ... ..	151
52	Lubrication Chart ... ..	155

## INDEX OF CONTENTS

	Page
<b>A.</b> Air Filter ... ..	131
Alternator ... ..	136
<b>B.</b> Battery ... ..	148
<b>C.</b> Camshafts, To Change the ... ..	36
Carburetter, Amal Monobloc ... ..	128
Chains ... ..	86
Clutch and Shock Absorber ... ..	77
Clutch, To Dismantle ... ..	79
Clutch, To Assemble ... ..	83
Coil ... ..	138
Contact Breaker ... ..	140
Controls ... ..	13
Controls, Adjustment of ... ..	14
Crankshaft Assembly ... ..	54
Clutch Cable, To Change ... ..	85
<b>D.</b> Decarbonising ... ..	36
Distributor ... ..	140
<b>E.</b> Engine, To Assemble ... ..	58
Engine, Description ... ..	30
Engine, To Dismantle ... ..	41
Engine, To Inspect and Prepare ... ..	46
Engine, Lubrication System ... ..	20
Engine/Gear Unit, To Remove ... ..	40
Engine/Gear Unit, To Replace ... ..	67
<b>F.</b> Fault Finding ... ..	152
Fork, To Align ... ..	97
Fork, To Change Springs ... ..	99
Fork, To Remove ... ..	94
Fork, To Replace ... ..	96
Fork, Telescopic ... ..	90
Frame ... ..	99
Front Wheel ... ..	105
Front Wheel, To Remove ... ..	105
Front Wheel, To Replace ... ..	109
<b>G.</b> Gearbox ... ..	69
Gearbox, To Assemble ... ..	77
Gearbox, To Dismantle ... ..	71
Gear Ratio, To Change Overall ... ..	35

## INDEX OF CONTENTS—continued

	Page
<b>H.</b> Headlamp ... ..	144
Horn ... ..	149
<b>I.</b> Ignition, Fault Finding ... ..	142
Ignition Timing ... ..	64
<b>L.</b> Lubrication Chart ... ..	155
Lubrication Maintenance ... ..	22
Lucas Electrical Equipment ... ..	135
<b>N.</b> Nacelle Top Unit ... ..	146
<b>O.</b> Oil, To Change the ... ..	26
<b>P.</b> Pannier Fixing Points ... ..	100
Petrol Tap ... ..	130
Proprietary Fittings ... ..	5
<b>R.</b> Rear Panels, To Remove ... ..	39
Rear Panels, To Replace ... ..	68
Rear Wheel ... ..	110
Rear Wheel, Quickly Detachable ... ..	118
Rear Wheel, To Remove ... ..	110
Rear Wheel, To Replace ... ..	116
Recommended Lubricants ... ..	156
Routine Maintenance ... ..	28
Running-In ... ..	18
<b>S.</b> Service Arrangements ... ..	3
Sparking Plugs ... ..	133
Starting the Engine ... ..	16
Steering Head Races, To Adjust ... ..	90
Suspension Units ... ..	102
Suspension Units, To Change Springs ... ..	104
<b>T.</b> Taking over the Machine ... ..	16
Tappet Adjustment ... ..	34
Technical Data ... ..	6-11, 158-9
Toolkit ... ..	16, 151
Twinseat ... ..	16
Twistgrip Throttle Control ... ..	131
Tyre, Recommended Pressures ... ..	124
Tyres, To Remove ... ..	124
Tyres, To Replace ... ..	125
<b>V.</b> Valve Timing ... ..	60