

# Contents

Chapter	Section	Page	Section	Page
Introductory sections	Acknowledgements	2	Ordering spare parts	7
	About this Manual	2	Recommended lubricants	15
	Capacities	15	Routine maintenance	8 - 12
	Dimension and weight	6	Tools	8 - 14
	Maintenance and capacities	15	Working conditions	14
1 Engine	Connecting rods	35, 36	Operations - engine in frame	21
	Crankshaft - removal	35	Pistons and rings	38
	Cylinder heads	40	Refitting unit in frame	49
	Dismantling - engine/gearbox	27	Removal of unit from frame	21
	Engine/gearbox - reassembly	40	Rocker assemblies	40
	Examination and renovation general	36	Timing chain	38
2 Gearbox, clutch and torque converter	Clutch removal	68, 71	Gearbox	
	Gearbox		Removal	54
	Bearings and seals	63	Selector mechanism	62
	Dismantling	55	Torque converter	
	Reassembly	63	Removal	71
	Refitting engine	74	Replacement	77
3 Fuel system and lubrication	Air filter	90	Oil pump	90
	Carburation	83, 90	Oil pressure relief valve	90
	Checking fuel level	87	Oil pressure warning switch	92
	Idle speed adjustment	90	Petrol taps	83
	Oil filters - cleaning	90	Petrol level switch	92
4 Ignition system	Automatic advance unit	100	Ignition coils - checking	98
	Condenser	96	Ignition timing	98
	Testing	98	Spark plugs	103
	Contact breakers - adjustment	96	Starter motor	101
5 Frame and forks	Centre stand	117	Instrument heads removal	119
	Dualseat	119	Prop stand	119
	Foot rests and floor boards	119	Rear bevel drive	117
	Frame examination	112	Rear suspension unit	117
	Front forks	107, 109, 112	Steering head bearings	111
	Final driveshaft	116	Steering head lock	119
	Instrument drive cables	119	Swinging arm	112
6 Wheels, tyres and brakes	Balancing front wheel	132	Master cylinder front brake	125
	Bearings front wheel	126	Integrated brake	126
	Rear wheel	129	Parking brake	131
	Bleeding the hydraulic system	125	Tyres	132
	Brakes disc	123	Valve cores and caps	132
	drum	129	Wheels front	122
	Cush drive	130	rear	129
7 Electrical system	Alternator	135, 136	Instrument lighting and warning lamps	139
	Battery	135	Switches ignition	139
	Diode plate rectifier	136	Prop stand	139
	Fuses - replacing	139	Switches starter isolating	139
	Headlamp	138	Stop lamp	139
	Horns	141	Voltage regulator	138
	Indicators and rear/stop lamp	139	Wiring diagrams	143 - 154

Note: General description and specifications are given in each Chapter immediately after the list of Contents. Fault diagnosis is given at the end of each appropriate Chapter

Metric conversion tables	155, 156
Castrol grades	157
Index	158, 159