

# Replacement parts list 1973 650 cc Thunderbolt (T65)

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# British Only MOTORCYLES AND PARTS INC.

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### **Replacement parts list**

### Model T65 Thunderbolt

COMMENCING

ENGINE NUMBER

FRAME NUMBER

J.H. 15101

Issued by **B.S.A. Motor Cycles Limited** Spares Department, Montgomery Street, Birmingham B11 1DZ. Telephone : 021-772 0559/0537 Telegrams "Selmoto" Birmingham

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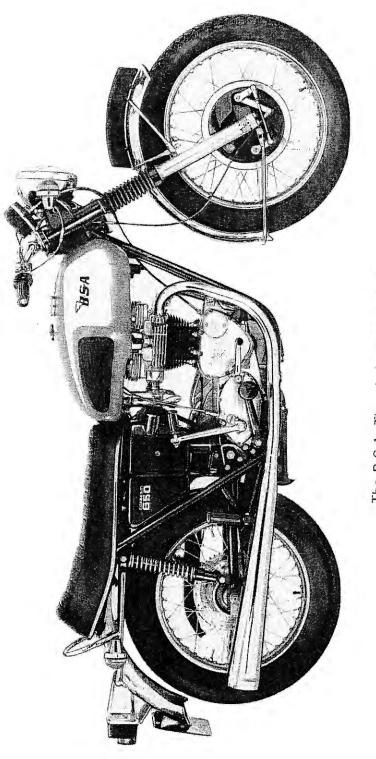
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In this respect your attention is drawn to the Terms and Conditions of B.S.A. Guarantee.



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#### PROPRIETARY MANUFACTURERS

The B.S.A. Guarantee does not apply to proprietary components and any repairs or claims regarding these products should be referred direct to the manufacturers concerned. Their names and addresses are:

#### CARBURETTER:

AMAL LTD., HOLDFORD ROAD, WITTON, BIRMINGHAM 6

#### CHAINS:

RENOLD LTD., WYTHENSHAWE, MANCHESTER

#### ELECTRICAL EQUIPMENT:

J. LUCAS LTD., (SALES AND SERVICE), GREAT HAMPTON STREET, BIRMINGHAM 18

#### SUSPENSION UNITS:

GIRLING LTD., BIRMINGHAM ROAD, WEST BROMWICH, STAFFORDSHIRE

#### SPARKING PLUGS:

CHAMPION SPARKING PLUG CO. LTD., FELTHAM, MIDDLESEX

#### SPEEDOMETERS:

SMITH'S INDUSTRIES LTD., MOTOR ACCESSORIES DIVISION, 50 OXGATE LANE, CRICKLEWOOD, LONDON N.W.2

#### TYRES:

DUNLOP CO. LTD., FORT DUNLOP, BIRMINGHAM 24

Lock No.	Key No.	Lock No.	Key No.	Lock No.	Key No.
EJR 1	19-5151	EJR 18	19-5168	EJR 35	19–5185
EJR 2	19–5152	EJR 19	19–5169	EJR 36	19-5186
EJR 3	19–5153	EJR 20	19–5170	EJR 37	19–5187
EJR 4	19–5154	EJR 21	19-5171	EJR 38	19–5188
EJR 5	19-5155	EJR 22	19–5172	EJR 39	19-5189
EJR 6	19-5156	EJR 23	195173	EJR 40	19-5190
EJR 7	19–5157	EJR 24	19–5174	EJR 41	19-5191
EJR 8	19–5158	EJR 25	19-5175	EJR 42	19-5192
EJR 9	19–5159	EJR 26	19–5176	EJR 43	19-5193
EJR 10	19–5160	EJR 27	19–5177	EJR 44	19–5194
EJR 11	19–5161	EJR 28	19-5178	EJR 45	19–5195
EJR 12	195162	EJR 29	19-5179	EJR 46	19-5196
EJR 13	19-5163	EJR 30	195180	EJR 47	19-5197
EJR 14	19-5164	EJR 31	19-5181	EJR 48	19-5198
EJR 15	19-5165	EJR 32	19–5182	EJR 49	19–5199
EJR 16	19–5166	EJR 33	19-5183	EJR 50	19-5200
EJR 17	19-5167	EJR 34	19-5184		

#### SCREW THREADS

Details of thread forms and sizes are quoted after the description of Nuts, Bolts, Screws and Studs. Example: 14-0102, Bolt  $(\frac{1}{4}" \text{ UN.F.} \times \frac{5}{8}") = \frac{1}{4}"$  diameter Unified Fine Thread,  $\frac{5}{8}"$  long under head.

#### **ABBREVIATIONS:**

B.A.	= British Association	B.S.C. = British Standard Cycle
B.S.F.	= British Standard Fine	UN.F. = Unified Fine
UN.C.	= Unified Coarse	UN.S. = Unified Special
UN.E.F	. = Unified Extra Fine	W.F. $=$ Whitworth Form

#### **IDENTIFICATION OF UNIFIED THREADS:**

Bolts: A circular recess is impressed in the head. Nuts: A circular (or intermittently circular) groove is machined on one end face.

#### NOTES

#### PRICES

Price codes are not given in this list and reference should be made to the Master Price List.

#### PISTONS

(Supplied complete with rings, gudgeon pin and circlips)

Compression Ratio	Part Number	Туре
9:1	70–9488	Standard
7.5:1	70–6895	For Low Grade Fuel

The above pistons are also available in the following oversizes: +  $\cdot 010 \text{ in.}; + \cdot 020 \text{ in.}; + \cdot 040 \text{ in.} (0.25 \text{ mm}; 0.5 \text{ mm}, 1 \text{ mm})$ 

#### VALVE GUIDES

Oversize guides are available as follows:

Inlet Guide:	71-2899 + .002 in. 71-2899015 in.
Exhaust Guide:	71-2900002 in. 71-2900 + .015 in.

#### WASHERS

In the later pages dimensions of washers are quoted in the following sequence: Inside diameter, Outside diameter, Thickness

#### CARBURETTER SETTING

Type: Amal Concentric 930-60 Main Jet- 230; Needle Jet- 106; Needle Position- 2; Throttle Valve- 3½

#### SERVICE TOOLS

Service Tools for the Thunderbolt can be purchased from any B.S.A. dealer or from B.S.A. Spares Dept., Montgomery Street, Birmingham B11 1DZ.

#### DESCRIPTION

Throughout this list, assemblies are printed in capital letters and the components included in that assembly are given directly below in the description column, reverting to the original alignment when the assembly is completed.

To order the assembled unit it is necessary to quote the assembly number only. Listed component parts may be obtained separately if desired.

#### ENGINE AND FRAME NUMBERS

The engine number is located on the left side of the engine, immediately below the cylinder block/crankcase flange.

The frame number is located at the top of the left frame front down tube, in front of the fuel tank. Both engine and frame numbers must be quoted in full in any correspondence relating to the motor-cycle.

#### ASSEMBLIES

Part No.	Description

- 99-1165 DECARBONISING GASKET SET
- 99-1168 COMPLETE OVERHAUL GASKET SET
- 00–7009 LOCTITE PLASTIC GASKET (10 bottle trade pack)
- 71-3675 ENGINE UNIT-19T gearbox sprocket (less carburetter and exhaust system)
- 71-3297 CRANKSHAFT AND FLYWHEEL ASSEMBLY
- 57–1928 CLUTCH COMPLETE
- 70–9421 OIL PUMP COMPLETE
- 83–4797 FRAME COMPLETE
- 97–4422 FRONT FORK COMPLETE
- 37–4169 FRONT WHEEL COMPLETE (less brake and tyre)
- 37-1721 FRONT HUB WITH SPOKES AND RIM
- 37-3461 FRONT BRAKE ANCHOR PLATE WITH BRAKE DETAILS
- 37–3849 REAR WHEEL COMPLETE (less brake and tyre)
- 37–3985 REAR HUB AND SPINDLE ASSEMBLY
- 37-3878 REAR BRAKE ANCHOR PLATE WITH BRAKE DETAILS

Part No.

### CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS

71-3297	CRANKSHAFT AND FLYWHEEL	_ ASSEM	BLY	· •						1
71-3298	CRANKSHAFT, with oil tube (a	lso availa	ble with	і јонг	nals •0	10" and	·020″	under	size)	1
70-3903	Oil tube									1
71-2800	Screwed plug									1
71-2425	Flywheel .		· •							1
71-2799	*Flywheel bolt									3
71-1003	Washer ( $\cdot$ 380" × $\cdot$ 625" × $\cdot$ 048"	)								3
21-2183	Stud, crankshaft									l
70-9525	CONNECTING ROD								. ,	2
70-1511	Bush, small end .									2
70-6576	Bolt, big-end cap									4
60-3761	Nut, self locking, big-end bolt									4
70-3586	Big-end bearing (halves). Also av	ailable in	·010" a	nd •(	)20" une	dersizes				4
70-9488	PISTON COMPLETE, with rings and	t gudgeon	nin (9	: 1 C	omp. ra	itio)				2
70-6895	PISTON COMPLETE, with rings and	l gudgeon	$pin (7 \cdot$	5:1	Comp.	ratio)				2
/0-0095	See also page 7.	1 Suapcon	P*** (		p-	,				
70 2040	Compression ring (taper)									4
703049										2
71-3368	Oil control ring				•••	••	•••			2
70-6871	Circlin for guidgoon pin						• •			4
70-6869	Main hanning, drive side, Hoffmann I	2 M 1 I I		• •	•••					1
70-2879	Main bearing, drive side. Hormann r	(1411)E	• •							1
71-2662	Diverse sprocket, 291		· •	• •						Ī
70-4573	Distance piece, engine sprocket		•••	••		••	• •	••	as req	nired
70-8038	Gudgeon pin Gudgeon pin Circlip, for gudgeon pin Main bearing, drive side. Hoffmann F Engine sprocket, 29T Distance piece, engine sprocket Shim, engine sprocket (.010" thick) Shim, engine sprocket (.030" thick) Rotor (Lucas No. 54213901) Key, for rotor			• •		• •	•••		as req	
71-2660	Shim, engine sprocket (+030 <sup>+</sup> thick)			•••	•••		• •	• •	asteq	1
19-8019	Rotor (Lucas No. 54213901)		· ·	••	• •					1
71-0082	Key, for rotor.						• •			1
21-2182	Nut. for rotor									1
71-2802	Tab washer, for rotor nut	NT- 220		, .						1
70–3835	Main bearing, timing side. Hoffmann	No. 330		<i>,</i> .		• •				r
70-4564	Timing pinion, crankshaft		< <b>1</b>	• •	• •		• •			1
70-3300	Clamping washer, timing pinion			•••	• •		• •	••		1
71-2877	Nut, timing pinion		- •	• •	• •		••			1
70-1580	Key, timing pinion			• •			•••			1
70–6159	INTERMEDIATE TIMING GEAR	WHEEL		• •		• •	• •			I f
70-0400	Bush, intermediate gear wheel									1
71-2719	Camshaft pinion									2
70-1558	Key, camshaft pinion		• •	- •			• •		• •	2
71-1063	Inlet camshaft	• •	• •	• •			••			1
71-1007	Nut, inlet camshaft			• •					· •	1
70–6523	Nut, exhaust camshaft		• •				• •	• •	••	1
70-9989	EXHAUST CAMSHAFT			, .	• •				•••	1
70–9988	Plug, tachometer drive off camsh	aft					•••	· •	• •	1
	C	RANKCAS	SF.							
										1
70-9328		* *				• •	••			2
70-1516	Camshaft bush	 6001-1-	••	 1 aha	· ·			• •	• •	Ĩ
70-5976	Chain tensioner pivot pin (see als	o cham	case and	a cua	1112 ]	· •	••		• •	

\*Retain with Loctite D524

Part No.

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71-3513	CRANKCASE, TIMING SIDE							1
70-1479	Camshaft bush							2
70-4359	Scavenge pipe, crankcase filter							1
70-6386	Locating peg, oil pipes junction block							1
57-0989	Hollow dowel (at timing cover)							2
57-0912	Locating peg, layshaft bearing thrust washer							1
57-1606	Needle roller bearing, layshaft							1
70-0375	Intermediate timing gear spindle							1
21-2149	Stud, for gearbox covers $(\frac{5}{16}"$ UN.C./UN.F. $\times$ 3'		• •					2
70-8751	Hollow dowel (at cylinder base stud)							2
70-3716	Hollow dowel (at front of crankcase halves)							1
14-1445	Stud, crankcase rear $(\frac{3}{4}" \text{ UN.C./UN.F.} \times 4\frac{1}{2}")$			, .				1
14-0402	Nut, for rear crankcase stud $(\frac{5}{16}"$ UN.F. $\times \cdot 190"$ )							2
60-4246	Washer, plain (.406" $\times$ .750" $\times$ .063")							2
14-0303	Nut $\binom{3}{8}$ "UN.F. × ·333")				•••		•••	1
70–1532	Hollow dowel, tappet oil feed (timing side crankcas			• •		•••	•••	1
70-1332				•••	• •		•••	
	Oilway plug, scavenge drilling				•••	• •		1
82-1880	Copper washer, for oilway plug		Sttad)		••	•••	••	1
21-1871	Plug (L.H. thread), driveside crankcase. (When tach			•••	• •	• •	• •	1
70-8896	Fibre washer, for tachometer plug and timing plug			• •	• •	•••	• •	2
21-1863	Stud, oil pipe junction block $(\frac{5}{16}"$ UN.F./UN.C. $\times 1\frac{1}{4}$			•••	• •	• •		1
21-1865	Stud, cylinder block to crankcase $(\frac{3}{8}"$ UN.F./UN.C. ×		• •	•••	• •	•••		8
21-1872	Plug, timing hole, crankcase timing side		••		• •	•••	• •	1
21-1870	Bolt, crankcase rear $\left(\frac{5}{10}^{"}$ UN.C. $\times 1\frac{7}{8}^{"}\right)$	• •	• •		• •	• •	• •	1
14-6220	Bolt, crankcase top rear $\left(\frac{5}{16}^{"}$ UN.C. $\times 1\frac{3}{4}^{"}\right)$				• •		• •	1
14-6223	Bolt, crankcase top front $\left(\frac{5}{10}^{"} \text{ UN.C. } \times 2\frac{1}{2}^{"}\right)$	• •	• •		• •			1
14-0230	Bolt, crankcase halves, long $\left(\frac{5}{16}^{"}$ UN.F. $\times$ 5")							1
			• •					
21-1823	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. $\times 3\frac{3}{4}")$							2
	Bolt, crankcase halves, short $(\frac{5}{16}" \text{ UN.F.} \times 3\frac{3}{4}")$ Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$							2 10
21-1823	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. $\times 3\frac{3}{4}")$		• •					
21–1823 60–2330	Bolt, crankcase halves, short $(\frac{5}{16}" \text{ UN.F.} \times 3\frac{3}{4}")$ Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$	• •	••	• •			• •	10
21–1823 60–2330 14–1302	Bolt, crankcase halves, short $(\frac{5}{16}'' \text{ UN.F.} \times 3\frac{3}{4}'')$ Washer, plain ( $\cdot333'' \times \cdot625'' \times \cdot040''$ ) Nut, self-locking $(\frac{5}{16}'' \text{ UN.F.})$	•••	•••	• • • •	•••	· · · ·	•••	10 5
21–1823 60–2330 14–1302 70–9336	Bolt, crankcase halves, short $(\frac{s}{16}"$ UN.F. $\times 3\frac{3}{4}"$ ) Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$ Nut, self-locking $(\frac{s}{16}"$ UN.F.) Crankcase filter	· · · · · · ·	  	••• •• ••	··· ··	· · · · ·	• • • • • •	10 5 1
21–1823 60–2330 14–1302 70–9336 70–5315	Bolt, crankcase halves, short $\binom{5}{16}$ "UN.F. $\times 3\frac{3}{4}$ ") Washer, plain $(\cdot 333'' \times \cdot 625'' \times \cdot 040'')$ Nut, self-locking $(\frac{5}{16}$ " UN.F.) Crankcase filter	··· ·· ··	   	· · · · · · ·		  	• : • • • •	10 5 1
21–1823 60–2330 14–1302 70–9336 70–5315 57–2167	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. $\times 3\frac{3}{4}")$ Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$ Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox	··· ·· ··	   	· · · · · · ·	  	··· ·· ··	••• •• ••	10 5 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. $\times 3\frac{3}{4}")$ Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$ Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.)	··· ··· ···	··· ··· ··· ··	· · · · · · ·	  	··· ·· ·· ··	· · · · · · ·	10 5 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259	Bolt, crankcase halves, short $(\frac{s}{16}"$ UN.F. $\times 3\frac{3}{4}"$ ) Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{s}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase)	··· ··· ··· ···	··· ··· ··· ···	· · · · · · · · ·	· · · · · · ·	··· ··· ··· ··	· · · · · · ·	10 5 1
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21–1823 60–2330 14–1302 70–9336 70–5315 57–2167 21–0543 70–2441 57–2259 70–6299 57–1920	Bolt, crankcase halves, short $(\frac{s}{16}"$ UN.F. $\times 3\frac{3}{4}"$ ) Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$ Nut, self-locking $(\frac{s}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear	··· ··· ··· ··· ···	··· ·· ·· ·· ·· ··	··· ·· ·· ·· ··	··· ·· ·· ··	·· · · · · · · · · · · · · · · · · · ·	•••••••••••••••••••••••••••••••••••••••	10 5 1 1 1 1 1 1 1 1
21–1823 60–2330 14–1302 70–9336 70–5315 57–2167 21–0543 70–2441 57–2259 70–6299 57–1920 57–2166	Bolt, crankcase halves, short $\binom{5}{16}$ " UN.F. × $3\frac{3}{4}$ ") Washer, plain ( $\cdot 333$ " × $\cdot 625$ " × $\cdot 040$ ") Nut, self-locking $(\frac{5}{16}$ " UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}$ " UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase (1" UN.S.)	··· ··· ··· ···	··· ··· ··· ··· ···		··· ·· ·· ·· ··	··· ·· ·· ·· ··	•••••••••••••••••••••••••••••••••••••••	10 5 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-1920 57-2166 70-8782	Bolt, crankcase halves, short $\binom{5}{16}$ "UN.F. $\times 3\frac{3}{4}$ ") Washer, plain $(\cdot 333'' \times \cdot 625'' \times \cdot 040'')$ Nut, self-locking $(\frac{5}{16}$ " UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}$ " UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase $(1$ " UN.S.)	··· ··· ··· ··· ···	··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ··	··· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1
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21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669	Bolt, crankcase halves, short $(\frac{s}{16}"$ UN.F. $\times 3\frac{3}{4}")$ Washer, plain $(\cdot 333" \times \cdot 625" \times \cdot 040")$ Nut, self-locking $(\frac{s}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase $(1"$ UN.S.) "O" ring, filler plug Bolt, crankcase halves, rear $(\frac{3}{4}"$ UN.C. $\times 4")$ Stud, crankcase halves $(\frac{5}{16}"$ UN.F./UN.F. $\times 4\frac{3}{4}")$	··· ··· ··· ··· ···	··· ··· ··· ···		··· ·· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669 70-7573	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. × $3\frac{3}{4}"$ ) Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase (1" UN.S.) "O" ring, filler plug Bolt, crankcase halves, rear $(\frac{3}{8}"$ UN.C. × $4"$ ) Stud, crankcase halves $(\frac{5}{16}"$ UN.F./UN.F. × $4\frac{3}{4}"$ ) Rubber button, driveside crankcase	··· ··· ··· ··· ··· ···	··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1"$ UN.S.) Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.C. × $4"$ ) Stud, crankcase halves ( $\frac{5}{16}"$ UN.F./UN.F. × $4\frac{3}{4}"$ ) Rubber button, driveside crankcase	··· ··· ··· ··· ···	··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1
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21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1"$ UN.S.) Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.F./WN.F. × $4\frac{3}{4}"$ ) Rubber button, driveside crankcase Breather cover plate assembly Outlet stub, engine breather	··· ·· ·· ·· ·· ·· ·· ·· ··	··· ··· ··· ··· ··· ···	· · · · · · · · · · · · · · · · · · ·	··· ·· ·· ·· ·· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077	Bolt, crankcase halves, short $(\frac{1}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{1}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1"$ UN.S.) "O" ring, filler plug Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.F./ $\mathbb{U}N$ .F. × $4\frac{3}{4}"$ ) Rubber button, driveside crankcase Breather cover plate assembly Outlet stub, engine breather Joint washer, breather outlet stub Screw, breather cover plate and outlet stub	··· ··· ··· ··· ··· ··· ··· ···	··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077 71-1078	Bolt, crankcase halves, short $(\frac{1}{16}, "$ UN.F. × $3\frac{3}{4},")$ Washer, plain ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ ) Nut, self-locking $(\frac{1}{16}, "$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4},"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1,"$ UN.S.) "O" ring, filler plug Bolt, crankcase halves, rear ( $\frac{3}{4},"$ UN.F. × $4\frac{3}{4},"$ ) Rubber button, driveside crankcase Breather cover plate assembly Outlet stub, engine breather Joint washer, breather outlet stub Screw, breather cover plate and outlet stub	··· ··· ··· ··· ··· ··· ··· ··· ··· ··	··· ··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ·· ·· ··	· · · · · · · · · · · · · · · · · · ·		10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077 71-1078 70-4705	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1"$ UN.S.) Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.F. × $4\frac{3}{4}"$ ) Stud, crankcase halves ( $\frac{5}{16}"$ UN.F./UN.F. × $4\frac{3}{4}"$ ) Qutlet stub, engine breather Joint washer, breather outlet stub Screw, breather cover plate and outlet stub Colip, primary chain oiler	··· ··· ··· ··· ··· ··· ··· ··· ··· ··	··· ··· ··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··			10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077 71-1078 70-4705 14-0101	Bolt, crankcase halves, short $(\frac{1}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox $(\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase (1" UN.S.) "O" ring, filler plug Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.F./UN.F. × $4\frac{3}{4}"$ ) Rubber button, driveside crankcase Breather cover plate assembly Joint washer, breather outlet stub Screw, breather outlet stub Screw, breather cover plate and outlet stub Cutlet stub, engine breather Clip, primary chain oiler Bolt, for clip ( $\frac{1}{4}"$ UN.F. × $\frac{1}{2}"$ )	··· ·· ·· ·· ·· ·· ·· ·· ·· ··	··· ··· ··· ··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··			10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077 71-1078 70-4705	Bolt, crankcase halves, short $(\frac{5}{16}"$ UN.F. × $3\frac{3}{4}")$ Washer, plain ( $\cdot 333" \times \cdot 625" \times \cdot 040"$ ) Nut, self-locking $(\frac{5}{16}"$ UN.F.) Crankcase filter Joint washer, for crankcase filter Drain plug (with level tube), gearbox Level plug, gearbox ( $\frac{1}{4}"$ UN.F.) Copper washer, for level plug Drain plug (primary chaincase) Fibre washer, for drain plug Blanking plug, timing side crankcase, rear Filler plug, primary chaincase ( $1"$ UN.S.) Bolt, crankcase halves, rear ( $\frac{3}{4}"$ UN.F. × $4\frac{3}{4}"$ ) Stud, crankcase halves ( $\frac{5}{16}"$ UN.F./UN.F. × $4\frac{3}{4}"$ ) Qutlet stub, engine breather Joint washer, breather outlet stub Screw, breather cover plate and outlet stub Colip, primary chain oiler	··· ··· ··· ··· ··· ··· ··· ··· ··· ··	··· ··· ··· ··· ··· ··· ··· ···	··· ·· ·· ·· ·· ·· ·· ·· ··	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··			10 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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OIL PUMP, RELEASE VALVE, MA	ANIFOLD AND TAPPETS
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70-9421	OIL PUMP										l
70-9269	Feed plunger							· •			1
70-6681	Scavenge plunger										1
70-0945	Slider block		- •				• •				1
60-2363	Ball $(\frac{7}{32}'' \text{ dia.})$										2
70-0403	Spring										2
70-2360	Screwed plug										2
71-1461	Joint washer (pump to crankcase)										1
21-1864	Oil pump stud (4" UN.F.U/N.C. ×				<b>.</b> .						2
21-1906											2
70-3887	Serrated washer, for pump securin										2
71-3447	Oil release valve	-									1
70-1670	Washer, release valve to crankcase								•••		ì
70-9973											l
70-5660	Joint washer, inlet manifold to cyl								••	••	2
21-1876	Stud, inlet manifold to cylinder he							••	•••	• •	- 4
21-1870	Nut, inlet manifold stud ( $\frac{1}{4}$ " UN.F.)		,		· · ·		•••	· ·	• •	•••	4
60-4248	Washer, inlet manifold nut ( $\cdot$ 266"						••	• •	• •	• •	4
21-1996					• •	•••	••	•••	• •	•••	2
70-9555		• •	•••		• •			• •			2
				• •	••	•••		•••		· ·	
70-9554	0 0,		**	••			• •	· •	• •	•••	2
14-1301	Nut, carburetter stud $(\frac{1}{4}^{"}$ UN.F. sel		-			••	•••	• •	• •	••	2
70-9352	Inlet tappet guide		••	• •	- •	••	• •	• •		••	1
70-9353			· •		· •	••	••	• •			1
70-7563		•••	è .				••	•••	· •		2
97-0200	Bolt, locking, for tappet guide	••	••		••	• •	· •	•••	• •		2
70-2441	Washer, for lock bolt	· ·	• •	· ·	• •	• •		••	· •		2
70–3059R	Inlet tappet	· ·	• •	· -	••	· •	• •	•••	· •		2
70-8801	Exhaust tappet	• •		••		· •	• •	••	••		2
	CYLINDI		OCK 4	AND H	IEAD						
70-6304	Cylinder block		• •	•••	· •	••	<i>,</i> ,	• •	• •	••	1
70-6309	Cylinder block base washer		••		• •	• •	••	• •	· ·	••	1
21-0692	Cylinder block base nut (12 point)				••	•••	• •		· •	• •	8
70-2620	Push rod				· •						4
71-2575	Push rod cover tube						•••		• •		2
70-7310	"O" ring, push rod cover tube, bo										2
70-4752	Sealing ring, push rod cover tube,					••		• •			2
71-1707	Sleeve, for sealing ring				• •						2
71-1283	"O" ring, push rod cover tube, top										2
70-4547	Cylinder head gasket				• •						1
71–2806	CYLINDER HEAD WITH GUID	DES, D	OWEL	LS, ET(	Ζ.						1
71-3292	Inlet valve guide										2
71-3293	Exhaust valve guide										2
14-1401	Stud, rocker box to cylinder head (										6
70-3302	Washer, plain for rocker box stud										6
140301	Nut, for rocker box stud $(\frac{1}{4}"$ UN.F.)										6
21-1875	Bolt, rocker box to cylinder head (	1″ UN.C	. × 2-	$\frac{5}{32}''$							4
60-4248	Washer, for rocker box bolt ( .266"	× •46	9″ ×	•064″)							4
71-2888											4
71-2889	Bolt, rocker bolt to cylinder head (										4

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70-0327	Cylinder head bolt, short $(\frac{3''}{8}$ C.E.I. $\times 3\frac{3}{8}'')$	 		 	4
82-2184	Washer for short cylinder head bolt $(\frac{25}{44}" \times \frac{3}{4}" \times \cdot 092")$	 		 	4
71-2598	Washer, for tapped cylinder head bolt ( $\cdot 39'' \times \cdot 62'' \times \cdot 092$ )	 		 	4
70-4771	Bolt, cylinder head centre $\left(\frac{5}{16}^{"} \text{ C.E.I. } \times 3^{"}\right)$	 		 	1
60-4247	Washer, for cyl. head centre bolt ( $\cdot 344'' \times \cdot 625'' \times ''063''$ )			 	1
21-2197	Stud, rocker box, for torque stay $(\frac{3''}{8}$ UN.F./UN.C. $\times 1.31''$ )	 		 	2
37-2338	Distance piece, for torque stay stud	 		 	2
14-1303	Nut, self-locking, for torque stay stud (3" UN.F.)	 		 	2
60-2331	Washer, torque stay nut $(.395'' \times .750'' \times .048'')$	 		 	2
70-4603	Inlet valve	 		 	2
70-2904	Exhaust valve	 		 	2
71-3748	Cotter, split, inlet and exhaust valves	 		 	8
70-4221	Valve spring, inner	 		 	4
70-7400	Valve spring, outer	 		 	4
70-1543	Collar, top, valve spring	 		 	4
71-3296	Cup, bottom, valve spring	 		 	4
71-2569	Rocker box, inlet	 		 	1
71-2570	Rocker box, exhaust	 		 • •	1
71-2361	Rocker box, exhaust	 		 	4
71-2599	Gasket, rocker box to cylinder head	 		 	2
71-2572	Tappet inspection cover	 		 	2
71-2574	Gasket, tappet inspection cover	 		 	2
14-6606	Screw, cheese head, tappet inspection cover $(\frac{1}{4}"$ UN.C. $\times \frac{3}{4}")$	 		 	8
60-3963	Washer for screw ( $\cdot 255'' \times \cdot 437'' \times \cdot 048''$ )	 		 	8
70-1457	ROCKER (right exhaust, left inlet)	 		 	2
70-1458	ROCKER (left exhaust, right inlet)	 		 	2
71-0070	Ball pin	 		 	4
70-1513	Adjusting screw, rocker lever	 		 	4
70-0470	Lock nut, adjusting screw	 		 	4
71-3549	Rocker spindle, inlet and exhaust	 		 	2
60-3548	Sealing ring, rocker spindle	 		 	2
70-1575	Thrust washer, rocker spindle $(\frac{1}{2}^n$ dia. hole)	 		 	6
70-1330	Thrust washer, rocker spindle $\left(\frac{3''}{8}\right)$ dia. hole)	 		 	2
70-1574	Washer, spring, rocker spindle	 	••	 	4
	AMAL CARBURETTER				
B.S.A.	AMAL CARBURETTER				
B.S.A.	AMAL				,

B.S.A.	AMAL						
60-2183	930/60	CARBURETTER (less flange sealing rin	g)	 		 	I
99-0521	622/086	Screw and washer (retaining top cap	)	 		 	2
	928/098	Cap, mixing chamber, top		 		 	1
99-0528	928/062	Air slide		 		 	1
	622/129	Spring, for air slide		 		 	1
	928/103	Sleeve, air slide guide		 		 	1
19-3127	928/060	Throttle slide (No. 31 cutaway)		 		 	1
99-1033	622/131	Spring, throttle slide return		 		 	1
	622/077	Screw, throttle stop		 		 	1
99-0520	622/082	"O" ring for throttle stop screw		 		 	1
	622/124	Needle, throttle (position 2)		 		 	1
99-0510	622/067	Clip, throttle needle		 	••	 	1
19-3136	622/122	Needle jet (•106)		 		 ••	1

Note:-Where a B.S.A. part number is not quoted it is replaced by an Amal part number. In this case, application must be made direct to Messrs. Amal Ltd. (see page 5 for address).

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V	ιy	٠

	R930/005	Body, complet									· •	1
19-2883	376/100	Main jet (230)				· •			· •	· •	••	1
	622/128	Main jet holde			••	· •		••		· •	••	1
	622/076	Pilot air screw		• •		• •	•••		• •			l
99–0520	622/082	"O" ring, for	pilot ai	r screw						· •	· •	1
	622/055	Float chamber		• •			· •			• •		1
99–0512	622/069	Float						••	· •		۰.	1
990513	622/071	Float spindle				• •	• •			· •	• •	1
99-0511	622/068	Float needle				• •					• •	1
990514	622/073	Gasket, float o	hambei	٢			• •					Ī
99-1152	622/147	Drain plug, flo	oat char	mber			• •	• •				1
	622/151	Washer, for di				• •						1
99-0521	622/086	Screw and was	sher (flo	bat chai	nber to	o body)			· •			2
19-3048	376/093	Filter (fuel inl	et to flo	oat chai	nber)		•••	••		· •		1
99–0517	622/078	Bolt, fuel pipe	banjo			. ,				· <b>.</b>		1
99-1100	13/163	Washer, fibre,	for bar	ijo bolt				· •		· •	• •	ł
70-9711		"O" ring, carburet	ter flan	ge seal								l
		TIMING COV	75°D A1		NTAC	ומודירי	FART	D				
71-3428		/er			• •	• •	• •	• •			• •	1
70-4568					1 6		• •		• -		• •	1
70–6387		020" undersize). For r	-			••	• •	• •		••		2
70-4569		seal							• •	••	• •	1 2
570989	Hollow do				• •	• •			• •		- •	2
14-6609	Screw, long	g, timing cover (ל" UN	.C. X I	(士)						•••	• ·	
14-6608	Screw, show	rt, timing cover $(\frac{1}{4}^{"})$	N.C. X	1")	••						••	
70-8737	Cover, con	tact breaker	• •	, .		••	• •		••	•••	• •	1
71-1462	Gasket, con	ntact breaker cover	• •	•••	• •	• •	•••			••	- •	2
70-7354	Screw, con	tact breaker cover	• •	••	••	••	••		••	• •	• •	2
97-0430	Washer, se	rrated, for cover scre	N	••	••	• •	••		••	••	••	2
602138	Label, timi	ng, contact breaker c	over	• •		• ·	••		• •		• •	
60-2133	Oil pressur	e switch			• •	• •	• •			· •	• •	1 1
60-2045		e switch cover								• •	• •	
		VANCE UNIT (Luc								••	• •	1
_		set (Lucas 54412229)								•••	• •	1
14-0208		etaining auto advance					• •			••	••	
708163								•••			• •	1
		BREAKER PLATE						• •	• •	• •	•••	1
		et set (Lucas 6060027									• •	1
99-0769	· · ·	ljustment (Lucas 544)				••					•••	1
70-4707		contact breaker leads						•••	• •			1
707680		retaining contact brea	-		•••	• •	••	•••	• •		· •	2 2
70–6559	Washer for	pillar bolt	•••	••	· •	• •	· •		• •	· •		2
		GEARBOX IN	NER C	OVER	AND	SELE	CTOR	S				
57-4119	GEARBOX	INNER COVER										1
57-1614	Laysha	ft bearing										1
57-0412		ange spindle bush										1
Note:Wl	here a B.S.A. p	art number is not qu	oted, it	is repla	aced by	a mar	nufactu	irer's p	art nu	mber. I	n this	case

application must be made direct to the manufacturer concerned (see page 5 for address).

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57-0045	Kickstart quadrant buffer		• •				•••			l
57-1607	Thrust washer, layshaft be				••	• •		• •	• •	1
57-0912	Peg, thrust washer locatin		••		<b>5</b> *	••	• •	• •	• •	1
60-3552	Bearing, gearbox mainsha			• •	• •	•••	• •	• •	•••	1
57-4113	Circlip, bearing retaining	• •		• •	•••	••	••	• •	• •	1
57-0989	Hollow dowel, inner cover	r to outer	cover		•••	• •				1
57-0397	Quadrant, gear control			• •		• •	••			1
57-1896	Spindle, gear control quad			• •	• •			• •	•••	1
60-2708	Cotter pin $\left(\frac{5}{64}\right)^{\prime\prime}$ dia. × $1\frac{3}{8}$					••	• •	••		2
21-1907	Bolt, inner cover to crankcase			• •			•••		• •	1
70-3446	Washer, for inner cover bolt			• •			• •	• •	• •	1
14-6608	Screw, inner cover to crankcas	e (‡" UN.C	1''	)	•••	• •	••		• •	1
14-7023	Screw, socket, inner cover to c	rankcase	$\left(\frac{5}{16}^{"}\right)$ UN	I.C. X	12")	• •		• •	• •	1
57-4308	Mainshaft selector fork		• •	• •	•••	, <b>.</b>	• •	· ·	• •	1
57-4307	Layshaft selector fork	• •			• •	• •	• •	• •	• •	1
57-3989	Selector fork spindle			• •		, .	• •	• •	• •	., 1
57-4055	Camplate		• •			• •	• •	• •	• •	1
57-4226	Plunger, camplate indexing			• •	• •	• •	• •	• •	• •	1
57-4227	Housing, index plunger		•-•			• •	••	• •		1
57-3978	Washer, index plunger housing	g		• •	• •	•••				1
57-4059	Spring, index plunger		• •	• •		• •		••	••	1
		BOX SH.								
57-4158	MAINSHAFT COMPLETE		W GE.	AR (16	T)	• •	· •	•••	•••	1
57-3988	Clutch push-rod bush						· •	••	•••	1
57-1736	Clutch push rod		• •		• •	• •	••			1
57-4332	MAINSHAFT HIGH GEAR	(25T)		• •		• •	•••	• •	• •	1
57-4006	00							• •		1
57-3889	Mainshaft third gear (23T)					• •				1
57-4335	Mainshaft second gear (20T)			•••	. ,		•••		• •	1
57-3862	LAYSHAFT LOW GEAR (30		• •			• •	• •			1
57-0928	Low gear bush			• •		• •	•••		• •	1
57-3861	Layshaft second gear (26T)					• •			•••	1
57-3890	Layshaft third gear (22T)		• •	••		• •	•••	• •	• •	1
57-4345	Layshaft, complete with high ;			• •	• •		• •	••	• •	1
57-1952	Gearbox sprocket (15T)			• •	• •	• •	• •	••		1
57-1953		• •	• •		• •	• •	• •	••	• •	1
57-1916	Gearbox sprocket (17T)				• •	• •		••	•••	1
57-1917	Gearbox sprocket (18T)			•••	•••	••			• •	1
57-1918	Gearbox sprocket (19T) Stand	ard	• •	•••	• •	••				1
57-1919	Gearbox sprocket (20T)		• •				••	••		1
57-0440	Gearbox sprocket securing nul	t	• •	•••	•••	•••	••	• •		1
57-2116	Tab washer, for sprocket nut		• •	• •	• •	• •	• •	• •		1
60-3556	High gear bearing, mainshaft	• •		• •	•••	• •	• •	• •	• •	1
70-0489	High gear bearing, circlip		• •		•••	••			• •	1
57-0946	Oil seal, high gear bearing	• •			• •	• •	• •		• •	1
57-0730	Kickstarter pinion				· ·	••			• •	1
57-1963	Kickstarter pinion sleeve	• •		•••	• •	•••	•••	••	•••	· · I
57-1250	Kickstarter pinion spring	• •				•••	• •			1
57-1962	Kickstarter pinion thrust wash	er	• •				• •			1
57-0731	Kickstarter ratchet		• •	•••		• •	• •	• •		1
21-0594	Nut, ratche: securing			••	••		• •			1
57-2240	Lockwasher, for nut							• •	• •	1

Qty.

Part No.

#### GEARBOX OUTER COVER

57-3760	GEARBOX OUTER COVER							· .	J
57-0023	Kickstarter spindle bush (outer)								1
57-0057	Gearchange spindle bush (outer)								1
57-0047	Kickstarter spring anchor pin								1
21-0547	Guide plate stud								4
57-1956	Oil seal (kickstarter spindle)								1
57-1955	Oil seal housing .								1
57-4587	CLUTCH LEVER ASSEMBLY								1
57-4588	Clutch lever								Į
57-1710	Shaft, clutch lever						, .		1
60-2368	Ball, <sup>3</sup> / <sub>8</sub> " diameter								·3
57-4589	Thrust plate								1
57-1712	Spring, for clutch lever shaft								1
57-3673	Washer, clutch lever spring								ì
60-2701	Cotter pin, for clutch lever shaft $(\frac{5}{64})^{"}$ dia	$x \neq "$							1
21-1879	Screw, countersunk, for assembly of lever to								2
57-0409	Gearchange quadrant								Į
57-4446	Gearchange quadrant spindle					.,			l
71-0037	Key, for spindle and quadrant								I
60-3530	"O" ring, quadrant spindle								[
57-0404	Spring, return, for quadrant								2
57-0406	Plunger, quadrant								2
57-0405	Spring, for plunger								2
57-0407	Guide plate, gearchange								1
14-0301	Nut, guide plate securing								4
70–1612	Washer, serrated, for nut $(\frac{1}{4}" \text{ UN.F. } \times \cdot 22")$								4
57-3757	Gearchange pedal								l
14-0201	Bolt, pedal securing $(\frac{1}{2}'' \text{ UN.F. } \times 1'')$								Î
57-2450	Rubber, gearchange pedal				, .				1
57-2297	KICKSTARTER SHAFT ASSEMBLY								1
57-0024	Shaft, kickstarter								I
57-4117	Quadrant, kickstarter								J
57-0031	Return spring, kickstarter quadrant								1
57-3632	FOLDING KICKSTARTER			• •	, ,				1
57-2173	Crank, kickstarter	• •		•••					1
57-1272	Pedal, kickstarter			• •					ì
57-1272	Spring, pedal locating			• •					ļ
60-2364	Ball, $\frac{1}{2}''$ diameter								Î
	Pivot bolt, pedal $\left(\frac{5}{10}^{"} \text{ UN,F.} \times \left(\frac{5}{32}^{"}\right)\right)$ .								1
210541 572330	Rubber, folding pedal $(\frac{16}{16} - 0)$ $(1 - 1)$	• •					•••		1
	Cotter, crank to shaft								1
57-4357	Nut, for cotter						· •		i
14-1301	Washer, for nut								1
60-2320	Adaptor, clutch cable, at outer cover								1
57-3762	Rubber cover, for adaptor	•••	• •	•••			• •		1
57-1646	Oil filler cap	•••	• •	• •			••		1
57-2166	"O" ring, for filler cap			• •		• •	· ·	· ·	Í
70-8782						•••			2
21-2162	Screw, outer cover to inner cover $(\frac{1}{4}"$ UN.C. ×					• •	•••		2
14-6609	Screw, long, outer cover to inner cover $(\frac{1}{4}" \text{ UN})$					• •	•••	- ,	1
14-6608	Screw, short, outer cover to inner cover $(\frac{1}{4}^{"}$ Ut	v.C. × 1	)	, .		••	••	• •	1

and the set of the set

Qty.

14-0302	Nut, cover stud, bottom $(\frac{5}{16}"$ UN.				.,						1
21-0544	Nut, domed, cover stud top $(\frac{5}{16}"$	UN.F.)									1
60-4247	Washer, for cover nuts (.344" ×	·625"	× .06	3″)							2
		C	LUTCI	H							
57-1928	CLUTCH COMPLETE										1
57-1570	Clutch housing/chainwheel										1
57-3929	Clutch hub										1
60-4253	Key, hub to mainshaft										1
57-3931	Thrust washer, hub										1
57-0934	Roller bearing										20
57-4435	CLUTCH SHOCK ABSORBER										1
57-4438	Clutch centre										1
57-4436	Inner retaining plate										1
21-2157	Bolt, inner plate to centre										3
57-4636	Spider							• •			1
57-1722	Rubber, driving							•••			3
57-1723	Rubber, rebound							•••	•••		3
57-4437	Outer retaining plate						•••		• •	•••	1
60-4754	Bolt, clutch centre	• •				••	•••		• •	• •	3
21-0586	Nut, clutch to mainshaft	••		• •	· ·	•••	•••		•••	••	-
57-2279	Washer, for mainshaft nut	• •	•••	• •	•••	• •	•••		•••	• •	1
57-1362	Driving plate (with bonded segm	···	••		•••	· ·	• •	• •		• •	1
57-1363	D'	-	• •	• •				• •		• •	6
57-4590	<b>n</b>	• •	• •	• •	• •	• •	• •	• •		• •	6
57-2159		• •		• •	•••	•••	• •		• •		1
14-0403	Adjuster pin, pressure plate	• •	•••	• •		• •	• •	• •		• •	1
57-1931	Nut for adjuster pin $(\frac{3}{8}"$ UN.F.)	• •	• •	• •	• •	• •	• •	• •		• •	1
57-1830	Cup, clutch spring	••		• •	• •	• •	• •	• •	• •	• •	3
	Spring, clutch plate pressure	•••	• •	• •		•••	• •		• •		3
57-2526	Nut, sleeve, clutch centre pin	•••	• •	• •	• •	• •	••		• •	• •	3
	CHAI	NCAS	E ANI	D CH	AINS						
71-4619	PRIMARY CHAINCASE OUT		WED	ACCEN	IDIV						1
57-9245	Primary chaincase cover					•••	••	• •	• •	••	1
71-1463	Gasket, chaincase cover		• •	• •		•••	•••	• •	••		1
71-1323	Rotor cover, on chaincase cover			• •	•••	• •	• •	•••	• •		1
71-1457	Calat		• •		•••	••	• •	••	• •		1
82-4129	0	••		••	• •	•••	• •	• •	• •	• •	1
57-2443		• •	•••	• •			• •	•••	••	• •	3
21-0544	Pointer, ignition timing Nut, domed, outer cover to crank		• •	• •	•••				• •	• •	1
82-1880	TT 1 0 1 1		•••			•••	••	•••	• •	• •	2
57-2166				•••	•••	••	•••		• •	• •	2
70-8782	Oil filler plug (1" dia. UN.S.) (and		-		over)	• •	• •		•••	, ,	1
	"O" ring, for filler plug	• •	•••	• •	• •	• •	• •	••	••		1
14-6101 70-2441	Oil level plug	••		• •	•••	••	• •	• •	• •	•••	1
	Washer for level plug					• •	•••	•••	• •	•••	1
14-6608	Screw, long, chaincase cover to cr					• •	•••	• •	• •		6
14-6620	Screw, short, chaincase cover to c	rankca	use $\left(\frac{3}{16}\right)$			• •			• •	• •	2
60-0477	Primary chain, <sup>3</sup> " pitch Duplex ×		IKS	• •	•••	• •	• •		• •	•••	1
70-6061	Chain tensioner blade	• •			• •	• •	• •	•••	••		1
70-4152	Tie rod, tensioner blade	• •				•••		••			1
70-5977	Trunnion, tensioner blade			• •		• •	••	•••	••		1

70-9703	Adjuster sleeve nut, tensioner blade		 		, .	 1
70-5976	Abutment, chain tension (in crankcase)					1
99-1006	Stator, Lucas No. 47205					I
21-1866	Stud, stator, long					2
21-1867	Stud, stator, short					1
14-0702	Nut, self-locking, stator $\left(\frac{5}{16}^{"}$ UN.F. $\right)$					3
60-4247	Washer, for nut $(\cdot 344'' \times \cdot 625'' \times \cdot 063'')$					3
707037	Cover plate, chaincase aperture (behind clutch)					l
71-1419	Gasket, cover plate					1
70-7565	Oil seal, cover plate					1
70-3821	Screw, countersunk, for cover plate					6
70-9630	Sleeve nut					1
70-4144	Rubber grommet (oil sealing)					1
60-1915	Rear chain, $\frac{5}{7}''$ pitch $\times \frac{3}{7}'' \times 106$ links					1
	5 F F F F					
	FRAME					
83-4797	Frame		 			 1
71-3463	Oil filler can with dinstick		 			 1
60-3616	"O" ring, oil filler cap		 			 1
83-4783	Oil reservoir filter		 			 í
71-3316	Sump plate, reservoir		 			 ł
82-5343	Drain plug for sump plate		 			 1
70-1335	"O" ring, oil filler cap	)	 	.,		 1
21-2025	Stud. sump plate to frame $(\Rightarrow$ "UN F. UN.C. $\times 1^{\circ}$ )		 			 4
14-1302	Nut self locking supported $(5^{\prime\prime})$ (N(F))					4
602330	Washer for nut $(-333'' \times -625'' \times -040'')$		 			 4
83-2829	Washer for nut ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ ) Gasket for sump plate		 			 1
71–3478	Iunction block, oil pipes—at crankcase		 			 1
71-1458	Gasket, junction block		 			 1
21-1908	Nut, junction block to crankcase $\left(\frac{5}{10}^{"}$ UN.F. $\right)$ .		 			 1
70-3446	Washer, for nut $(\frac{21}{41}'' \times \frac{17}{32}'' \times \cdot 048'')$		 			 ļ
71-3550	Rocker oil distribution pipe assembly—at cylinder he	ad	 			 l
70-1335	Washer, distribution pipe banjo to rocker spindle (.3					4
21-0550	Nut, domed, rocker spindle ( $\frac{3}{8}$ " UN.F.)					2
71-3551	Oil feed pipe, rocker—rubber (reinforced)					1
70-6848	Clip, rocker oil feed pipe					2
71-2345	Oil return pipe (crankcase to reservoir, below filler)					1
71-3450	Oil feed pipe (reservoir base to crankcase)					 ł
82-9073	Clip, oil feed pipe					 2
70-6848	Clip, oil return pipe					2
71-2349	Vent pipe (oil reservoir top to "T" piece)					1
71-1149	Crankcase breather pipe (front)					1
60-2253	Clip, crankcase breather pipe (front)					2
83-4813	Crankcase breather pipe (rear)					1
60-2252	Clip, crankcase breather pipe (rear)					1
83-1610	"T" piece, breather pipes					 1
83-1615	Clip, breather pipe to mudguard					 5
97-3894	Screw, breather clip					 5
82-4717	Nut, for screw		 			 5
83-4615	Centre stand		 			 1
83-3793	Spring, centre stand return		 			 1
21-2077	Spring, centre stand return	1.	 			 2
	the set of the stand (16 shin A 116 , should be		 			

Part No.	Description			 	Qty.
14-1304	Nut, for pivot bolt $(\frac{7}{16}'' \text{ UN.F.})$			 	2
57-2331	Rubber sleeve, centre stand			 	1
83-1560	Prop stand			 	1
82-7021	Pivot bolt, prop stand				i
14-1303	Nut, for pivot bolt $(\frac{3}{4}" \text{ UN}, \text{F} \times \cdot 32", \text{ self locking})$			 	i
82-8382	Spring, prop stand return			 	i
14-0114	Bolt, prop stand stop $(\frac{5}{16}"$ UN.F. $\times \frac{3}{4}"$ )			 	1
14-0402	Nut, for stop bolt $(\frac{5}{16}"$ UN.F. $\times \cdot 19"$ )			 	i
60-3361	Transfer, "Made in England"	• •		 	1
	SWINGING ARM AND SUSPENSION UNI	ГS			
83-2513	SWINGING ARM			 	1
60-1841	Grease nipple			 	2
71-2501	Washer for grease nipple			 	2
83-2521	Bush, swinging arm pivot			 	4
83-2691	Sleeve, swinging arm pivot			 	2
83-2690	Distance piece, right side			 	1
83-2689	Distance piece, left side			 	1
83-2692	Dirt excluder			 	4
21-2087	Pivot bolt, swinging arm			 	1
14-1307	Nut, for pivot bolt ( $\frac{5}{7}$ UN.F. $\times$ .515", self-locking)				1
83-2266	Washer, for nut $\left(\frac{21''}{32} \times 1'' \times \cdot 092''\right)$			 	2
33-2656	Torque arm, rear brake $\dots$ $\dots$ $\dots$ $\dots$			 	1
14-0133	Bolt, torque arm to swinging arm $(\frac{7}{16}'' \text{ UN.F.} \times 1'')$			 	1
14-1304	Nut, torque arm to swinging arm bolt $(\frac{7}{16}"$ UN.F. $\times$ ·375", self-log			 	1
37-2330	Washer, for nut ( $\cdot445'' \times \frac{3}{4}'' \times \cdot064''$ )			 	1
60-3957	SUSPENSION UNIT (Girling No. 64052564)			 	2
99-0122	Bonded bush (Girling No. 64533645)			 	4
19-7458	Spring, 100 lbs (Girling No. 64543708)			 	2
14-0234	Bolt, suspension unit lower fixing $(\frac{3}{8}" \text{ UN.F. } \times 1\frac{3}{4}")$				2
4-1303	Nut, for lower fixing bolt $(\frac{3}{8}" \text{ UN.F. } \times \cdot 32"$ , self-locking)				2
50-2331	Washer, for nut ( $\cdot 390'' \times \cdot 750'' \times \cdot 048''$ )				2
4-0235	Bolt, suspension unit top fixing $(\frac{3}{3}" \text{ UN.F. } \times 2")$				2
14-1303	Nut, for upper fixing bolt $(\frac{3}{8}" \text{ UN.F. } \times \cdot 32", \text{ self-locking})$				2
50-2331	Washer, for nut ( $\cdot390'' \times \cdot750'' \times \cdot048''$ ).				2
33-2641	Chainguard				1
4-0206	Bolt, chainguard fixing—front $(\frac{1}{4}" \text{ UN.F. } \times 1\frac{3}{4}")$				1
50-2347	Washer, for bolt ( $\cdot 270'' \times \cdot 625'' \times \cdot 040''$ )				1
	FOOTRESTS, BRAKE PEDAL AND ENGINE MOU	JNTIN	GS		
33-2854	Footrest, short			 	1
3-2855	Footrest, long			 	1
4-0259	Bolt, footrest to frame $(\frac{1}{2}"$ UN.F. $\times 1\frac{3}{4}")$			 	2
4-1305	Nut, footrest to frame bolt ( $\frac{1}{2}''$ UN.F. $\times$ -435", self-locking)				2
0-2333	Washer, for nut $(.52'' \times 1'' \times .056'')$			 	2
3-3602	Collar, footrest bolt			 	2
3-2651	Footrest rubber			 	2
3-2841	PILLION FOOTREST ASSEMBLY			 	2
2-9053	Pillion footrest			 	2
2-9089	Washer, pillion footrest			 	2

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70-9888

70-7512

14-02i7	Bolt, footrest swivel $\left(\frac{5}{10}^{"}$ UN.F. $\times 1\frac{1}{4}^{"}\right)$					2
14-1302	Nut, footrest swivel bolt $(\frac{5}{10}" \times .29")$ , self-locking)					2
83-3207						2
14-1303		, .				2
82-2184						2
83-2666	Rear brake pedal					t
21-2045	Pivot pin, brake pedal					ļ
14-1303	Nut, pivot pin $(\frac{3''}{2} \times \cdot 32'')$ , self-locking)					1
70-8084	Washer, for nut $(.380'' \times .750'' \times .064'')$					1
14-0103	Screw, stop light adjustment $(\frac{1}{4}"$ UN.F. $\times \frac{3}{4}")$		۰.			1
14-0301	Nut, stop light adjustment screw $(\frac{1}{4}'' \times \cdot 24'')$ , self-locking)					J
83-2860	Rear brake operating rod					1
83-4277	Distance piece, for split pin					1
60-2683	Split pin $(\frac{1}{16}'' \times \frac{3}{4}'')$					1
37-1467	Pivot pin, rear brake lever					1
82-3787	Adjuster, wing nut, for brake rod					1
83-3024	Rear engine plate, right side					1
83-3023	Rear engine plate, left side					1
14-0115	Bolt, rear engine plate to frame $\left(\frac{5}{16}\right)^{"}$ UN.F. $\times \frac{7}{8}\right)^{"}$					5
14-0116	Bolt, rear engine plate to frame $\left(\frac{5}{10}^{"} \text{ UN.F. } \times 1^{"}\right)$					1
14-1302	Nut, for engine plate bolts $\left(\frac{5}{10}^{"}\right)$ UN.F. $\times -29^{"}$ , self-locking)					6
602330	Washer, for engine plate bolts ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ )					12
14-0220	Bolt, rear engine plate to engine, left side $(\frac{5}{16}"$ UN.F. $\times$ $ \frac{3}{4}")$					2
14-0221	Bolt, rear engine plate to engine, right side $(\frac{5}{16}"$ UN.F. $\times 2")$					2
14-1302	Nut, rear engine plate to engine bolt $(\frac{3}{10}"$ UN.F. $\times \cdot 29"$ , self-locking)					4
60-2321	Washer, rear engine plate to engine bolt ( $\cdot 333'' \times \cdot 625'' \times \cdot 072''$ )					8
83-2846	Distance piece, engine to frame, bottom-left side					1
83-2847	Distance piece, engine to frame, bottom-right side					l
21-2112	Bolt, engine to frame, bottom			• •		1
14-1304	Nut, engine to frame bolt, botto $(\frac{7}{10}$ UN.F. $\times -27$ , self-locking)	· •				1
60-2332	Washer, for bolt ( $\cdot458'' \times \cdot875'' \times \cdot048''$ )					2
83-2848	Distance piece, engine to frame, front—left side					1
83-2849	Distance piece, engine to frame, front—right side					1
14-0254	Bolt, engine to frame, front $(\frac{7}{16}"$ UN.F. $\times 3\frac{1}{2}")$					1
14-1304	Nut, front engine to frame bolt ( $\frac{7}{16}$ " UN.F. $\times$ -375", self-locking)					1
60-2332	Washer, for nut $(.458'' \times .875'' \times .048'')$					1
833537	Torque stay, cylinder head to frame			• •		1
14-0126	Bolt, torque stay to frame $\left(\frac{3}{8}^{"}$ UN.F. $\times \frac{3}{4}^{"}\right)$		• •	· •		1
83-4086	Nut, torque stay bolt Washer, plain, for nut (					Į
60-2331			• •			1
60–2419	Washer, spring, for nut ( $\cdot406'' \times \cdot590'' \times \cdot092''$ )				• •	1
	EXHAUST PIPES AND SILENCERS					
71-3506	Exhaust pipe, left side	• •	• •	• •		1
71-3509		•••		••	• •	1
71-2465	Finned clip, exhaust pipe to cylinder head	• •				2
21-2186		••			•••	2 2 2 2
21-0778			• •		•••	2
70-6857			••		• •	2
14-2205	Screw, tie to exhaust pipe $(\frac{1}{4}" \text{ UN.F. } \times \frac{5}{8}")$	•••	• •	••	••	2
14-1301	Nut, for screw $(\frac{1}{4}$ " UN.F.)	· •		• •	••	2
70–9888	Coupling pipe (between exhaust pipes)					1

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Coupling pipe (between exhaust pipes)

Clip, coupling pipe to exhaust pipe

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14 0017		2
14-0217	Bolt, coupling pipe clip $\left(\frac{5}{16}'' \text{ UN.F. } \times 1\frac{1}{4}''\right)$	2
14-1202	Nut, coupling pipe clip bolt ( $\frac{5}{16}$ " UN.F. × $\cdot 33$ ", self-locking)	2
70-3768	Washer, "D" type, for clip bolt	4
70-2271	Clip, silencer to exhaust pipe	2
14-0219	Bolt, silencer clip $\left(\frac{5}{16}^{"}\right)$ UN.F. $\times 1\frac{1}{2}^{"}$	2
14-1302	Nut, for silencer clip bolt $(\frac{5}{16}"$ UN.F. $\times \cdot 29"$ , self-locking)	2
60-4247	Washer, for clip bolt nut $(\cdot 344'' \times \cdot 625'' \times \cdot 063'')$	2
70-3768	Washer, "D" type, for clip bolt	4
71-1710	Silencer	2
71-3487	Silencer carrier bracket	2
14-0101	Bolt, silencer to bracket	4
14-1301	Nut, for silencer bracket bolt	4
	FRONT FORK AND HEADLAMP MOUNTING	
97-4422	FORK ASSEMBLY	1
97-4414	Top yoke	1
14-0234	Bolt, pinch, top yoke (to clip steering stem) $(\frac{3}{3}'' \text{ UN.F.} \times 1\frac{3}{4}'')$	1
14-1303	Nut, for pinch bolt ( $\frac{3''}{8}$ UN.F. $\times$ ·32", self-locking)	1
60-2331	Washer, for pinch bolt nut $(\cdot 395'' \times \cdot 750'' \times \cdot 048'')$	1
82-6738	Lock and key	1
	Key (state serial number). See page 6	1
21-0578	Grub screw, steering lock	1
97-2266	Sealing washer, for grub screw	1
97-3682	Brake cable retainer bracket	1
97-2270	Retainer, brake cable	1
82-8245	Washer, star-lock	1
97-4029	Steering stem nut (models without steering damper)	1
97-4092	Steering stem nut (models with steering damper)	1
97-4031	Bearing, taper roller, steering head	2
97-4028	Dust cover (above top bearing)	1
83-2007	Abutment ring for bearing (inside steering head)	2
97-4082	Bottom yoke and stem	1
14-0237	Bolt, pinch, bottom yoke (to clip stanchion) $\left(\frac{3''}{8}\right)$ UN.F. $\times 2\frac{1}{2}$	2
14-1303	Nut, for pinch bolt $(\frac{3''}{3}$ UN.F. $\times \cdot 32''$ , self-locking)	2
70-8084	Washer, for nut $(.380'' \times .750'' \times .064'')$	2
97-4007	Stanchion	2
97-4076	End plug (lower end of stanchion)	2
97-4258	Top nut, stanchion	2
97-4166	Washer, for top nut	2
97-4011	Spring, fork leg suspension	2
97-1510	Gaiter, flexible, rubber	2
97-4406	Outer cover, left side stanchion	1
97-4417	Headlamp bracket, left side	1
97-4407	Outer cover, right side stanchion	1
97-4203	Headlamp bracket, right side	1
97-2208	Rubber mounting, headlamp bracket	2
97-2209	Rubber buffer, headlamp bracket	4
97-2210	Backing washer, headlamp bracket	4
21-2095	Bolt, headlamp bracket to outer cover	4
82-6981	Ignition lock, with two keys	1
	Key (state serial number)	1
97-2262	Course institutes and the	1
1-2202	Cover, ignition switch	*

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827994	Grommet plug, ignition switch		 	1
97-0961	Grommet, clutch cable (left headlamp bracket)		 	1
97-4424	OUTER MEMBER, right side		 	1
97-4033	OUTER MEMBER, left side		 	1
97-4433	Cap, wheel spindle, left side		 	1
97-4434	Cap, wheel spindle, right side		 	1
21-2102	Stud, for wheel spindle cap $\left(\frac{5}{16}, \text{UN.F.}/\text{UN.C.} \times 1\frac{7}{8}\right)$		 	8
14-0302	Nut, for cap stud $\left(\frac{5}{16}^{"} \text{ UN.F. } \times \cdot 27^{"}\right)$		 	8
60-2428	Washer, spring, for nuts $(.344'' \times .600'' \times .064'')$		 	8
97-4001	Oil seal, fork leg		 	2
97-4420	Torque lug, right side outer member (for brake plate location)		 	1
14-1303	Nut, torque lug ( $\frac{2}{3}$ " UN.F. $\times$ -32", self-locking)		 	I
60-2340	Washer, torque lug nut $(\cdot 395'' \times \cdot 875'' \times \cdot 072'')$		 	Ţ
97-3894	Drain plug		 	2
97-3893	Washer, for drain plug		 	2
973996	Damper tube		 	2
97-4020	Valve, damper		 	2
97-4003	"O" ring, damper valve		 	2
97-4010	Washer, damper valve		 	2
97-4012	Nut. damper valve		 	2
97-4009	Spring, recoil	•••	 	2
14-1019	Screw, socket head (securing damper tube in outer member)		 	2
97-4004	Washer, sealing, for socket screw		 	2
60-2599	Licence holder			1
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#### HANDLEBAR MOUNTINGS AND STEERING DAMPER

97-2291	Handlebar clamp											2
21-0589	Bolt, handlebar clamp (5	″ UN.F.	$\times 1^{1''}_{8}$							, .		2
82-1335	Washer, for bolt											2
97-1527	Bush, flexible, handlebar o	lamp		• •								2
97-1425	Sleeve, handlebar clamp								· •			4
97-1529	Washer, hemispherical					• •		- ,				4
97-1581	Distance piece											2
97-2271	Cup, handlebar clamp		• •									2
97-1580	Washer, rubber, handleba	r clamp										2
14-1303	Nut, handlebar clamp (🖁	UN.F. ×	·32″, s	self-loc	king)	• •		· •				2
97-3875	Steering damper rod, with	knob									· •	1
60-2438	Washer, spring		· •	• •			• •			• •		1
60-2329	Washer, plain										• •	1
97-0095	Plate, star spring	• •										1
97-0435	Friction disc		• •					• •				1
97-1797	Anchor plate	• •					• •					1
07 1100												ſ
97-4102	Nut, bottom, damper rod	• •	· •		• •		• •	· •				1

#### FRONT WHEEL

37-4168	FRONT WHEEL ASSEMBLY		 	 ł
37-4169	FRONT WHEEL ASSEMBLY, LESS BRAKE AND TYRE		 	 1
37-1721	RIM, SPOKES, AND HUB ASSEMBLY		 	 1
37-1230	Wheel rim (WM2 $\times$ 19)		 	 1
37-1708	Spoke (outer), right side—(head 80° to spoke)	• •	 	 10

37-1709	Spoke (inner), right side—(head 95° to spoke)	•••	• •	•••		10
37-1328	Spoke, left side (straight, $5\frac{5}{8}$ ")	••	• •			20
37-4200	Nipple	•••	••	••		40
37-1722	Hub, with brake drum	•••	•••	•••		1
37-3460	Cover plate, brake drum	•••	••		• •	1
37-1198	Balance weight, 1"	•••			as requi	
37-1197	Balance weight, $\frac{3}{4}$ "	• •	• •		as requi	red
37-0653	Bearing, wheel (Hoffmann 120, metric)	• •	• •			2
37-1237	Dust cover, left side bearing	· ·				1
37-0280	Circlip, left side bearing retaining	• •	• •			1
37-1481	Cap, grease, left side bearing	• •				1
37-3337	Support ring, right side bearing	• •	• •			1
37-0582	Retaining ring (screwed), right side bearing					1
37-4167	Wheel spindle					1
37-3461	BRAKE COVER PLATE ASSEMBLY					1
37-2129	Cover plate, with gauze and screws					1
37-1991	Gauze, air scoop					1
21-1998	Screw, gauze to anchor plate $(4'' \times 40'' \text{ UN.C. } \times \frac{3''}{3})$					3
82-2351	Washer, for gauze screw ( $\cdot141'' \times \cdot375'' \times \cdot031''$ ) .					3
37-2026	Abutment pad, cover plate to brake shoe					2
						2
37-2001		• •	• •	• •	••	1
37-3453	Brake lever, front (bell crank)	• •	•••	•••		1
37-3522	Return spring, front brake lever	•••	•••	••	• •	1
14-1303	Nut, brake lever to cam spindle $(\frac{3''}{8}$ UN.F. $\times \cdot 32''$ )	•••	•••	••	• •	2
37-2027	Washer, for cam spindle nut $\left(\frac{1}{32}'' \times 1\frac{17}{32}'' \times \cdot 092''\right)$ .	•••	• •	• •	• •	2
37-3454	Brake lever, rear	••	• •	•••	• •	1
37-2003	Brake rod, with clevis (connecting brake levers)	• •	•••		•••	1
37-2005	Clevis (threaded), brake rod	••	•••	• •		1
14-0401	Locknut, brake rod clevis $(\frac{1}{4}" \text{ UN.F. } \times \cdot 16")$	•••	• •	•••	•••	1
60-4252	Clevis pivot pin	•••	••		• •	3
60-2683	Split pin, for pivot pin $(\frac{1}{16})$ dia. $\times \frac{3}{8}$	• •		• •		3
21-1995	Nut, brake cover plate to spindle (3" dia. × 20thds UN.E.F.)	)				1
37-1996	Brake shoe, with lining and rivets					2
37-1998	Brake shoe lining					2
37-2059	Rivet, lining to shoe	.,				14
37-0135	Spring, brake shoe					2
	1 0,					
	REAR WHEEL					
37-3968	REAR WHEEL ASSEMBLY					1
37-3849	REAR WHEEL ASSEMBLY, LESS BRAKE AND TYRE					Ι
37-3782	RIM, SPOKES, AND HUB ASSEMBLY			• •		1
37-3784	Rim, wheel (WM3 $\times$ 18)					1
37-3724	Spoke, left side. (Head angle 102° to spoke; 5.9" overall)					10
37-3725	Spoke, left side. (Head angle 71° to spoke; 5.9" overall)					10
37-3726	Spoke, right side. (Head angle 135° to spoke; $7 \cdot 3''$ overall)					20
37-2294	Nipple	•••				40
37-3773		• •				1
37-3468			• •			2
37-3408	THE ARE ADDIED TO LOOP TO THE	•••	· •	••		1
		•••	• •	• •	• •	2
37-0653	Bearing, wheel (Hoffmann 120, metric)	•••	••	• •		
37-3749	Support ring, left side bearing		••	• •	• •	1
37-3752	Retaining ring (screwed)-left side bearing	••		•••	• •	1

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37-3753	Spacer (between bearings)				1
37-1654	Grease retainer, right side bearing				1
37-3751	Driving ring, for speedometer (L.H. thread in hub)			· ·	I
37-3750	Distance piece, inner (speedometer gearbox to bearing)				1
60-3213	Speedometer drive gearbox (ratio 1.25/1)				1
37-3746	Distance piece, outer (speedometer gearbox to spindle nut)				ł
37-3965	Spindle, wheel				1
14-1307	Nut, wheel spindle $(\frac{5}{8}"$ UN.F. $\times \cdot 515"$ )				1
83-2266	Washer, wheel spindle nut $\left(\frac{21}{32}^{"} \times 1^{"} \times .092^{"}\right)$		• •		ļ
37-3747	Sprocket (47T)				1
14-0207	Bolt, sprocket to hub $(\frac{1}{4}" \text{ UN.F. } \times 2")$				5
14-1301	Nut, for sprocket bolt $(\frac{1}{4}"$ UN.F. $\times -24"$ , self-locking)				5
60-2320	Washer, for nut ( $\cdot 270'' \times \cdot 562'' \times \cdot 056''$ )				5
37-3878	BRAKE ANCHOR PLATE ASSEMBLY				1
37-3856	Brake anchor plate				1
37-3872	Brake operating cam				i
37-4034	Brake lever				1
14-1303	Nut, brake lever to cam spindle (3" UN.F. × ·38", self-locking)				1
60-2331	Washer, for nut ( $\cdot$ 395" × $\cdot$ 750" × $\cdot$ 048")		· ·		1
37-3870	Brake shoe pivot				1
14-0305	Nut, pivot to torque arm $(\frac{1}{2}"$ UN.F. $\times$ -44")		• •		Ι
60-2431	Washer, spring, for nut $(.531'' \times .851'' \times .092'')$				ł
37-3925	Brake shoe, with lining and rivets (leading)				1
37-3926	Brake shoe, with lining and rivets (trailing)				1
37-3876	Brake shoe lining				2
37-0129	Rivet, for brake shoe lining				16
37-2328	Spring, brake shoe				2
37-4049	Spring, brake lever				ł
60-1841	Nipple, lubricator, for cam spindle	•••		• •	1
37-4049	Washer, fibre, for nipple				1
37-3742	Chain adjuster				2
14-0107	Screw, chain adjuster $(\frac{1}{4}" \text{ UN.F. } \times 1\frac{1}{2}")$				2
14-0301	Nut, for screw $(\frac{1}{4}'' \text{ UN.F.})$				2
83-3082	Cover plate, swinging arm end				2

#### FUEL TANK AND TWINSEAT

834888	PETROL TANK, 4 gallons (18 litres)						· -		 1
83-4118	Tie strap (below tank)								 1
14-0113	Bolt, securing tie strap								 2
60-2428	Washer, spring, for bolt			• •					 2
60-2321	Washer, plain. for bolt	• •		, .		· •		• •	 2
60-2568	Tank badge						• .	••	 2
21-2064	Screw, for tank badge								 4
83-4355	Knee-grip, left side	• •							 1
83-4356	Knee-grip, right side								 1
83-4763	Rubber plug, petrol tank tap				• •				 1
60-4171	Badge, for rubber plug								 1
83-3875	Filler cap, with sealing washer								 1
83-4932	Mounting rubber, front (tank to frame	top tub	e)						 1
83-4933	Mounting rubber, rear (tank to frame to	op tube	)	• •					 l

60-3538	Mounting rubber securing tape										1
83-4931	Steady rubber (tank to frame side)										2
83-4930	Bolt, tank centre fixing										1
82-9063	Distance tube, tank centre fixing										1
83-4934	Mounting rubber, tank centre fixir	ıg									1
14-1202	Nut, tank fixing bolt $(\frac{5}{16}"$ UN.F. ×	.335"	, self-lo	cking)							1
82-4299	Washer, for nut										1
83-2800	Petrol tap						•••				1
83-2801	Petrol tap (reserve)										1
70-7351	Seal, for petrol tap					• •					2
83-0002	Washer, for tap seal										2
83-4887	Petrol pipe assembly				• •				• •		1
83-4787	TWINSEAT										1
83-4790	Cover, twinseat										1
83-4802	Hinge, twinseat, front				۰.						1
83-4782	Hinge, twinseat, rear							• •			1
14-0101	Bolt, hinge fixing $(\frac{1}{4}^{"} \text{ UN.F. } \times \frac{1}{2}^{"})$										4
60-2417	Washer, spring, for bolt ( $\cdot$ 281" ×	.425"	× .07	2")							4
82-9093	Rubber buffer, below seat										5
82-7560	Catch plunger										1
82-4228	Spring, catch plunger					• •					1
71-3749	Washer, plain										1
60-2720	Split pin, for plunger, $\frac{3}{32}$ " dia. × -	$\frac{1}{2}'')$								• •	1
60-2087	Check wire								• •	• •	1
60-2381	Screw, for check wire-self-tappin	g			• •		•••			• •	1

#### AIR CLEANER AND SIDE PANELS

83-4845	Body, left side							1
83-4609	Body, right side		• •	• •				1
60-3539	Screw (joining body halves) $(4BA \times \frac{3}{4}'')$							2
21-0501	Nut, for screw (4BA $\times$ .167", self-locking)		••					2
14-0218	Bolt (body to frame) $\left(\frac{5}{16}^{"}$ UN.F. $\times 1\frac{3}{8}^{"}\right)$			• •				2
60-2418	Washer, spring, for bolt $(.343'' \times .503'' \times .080'')$							2
60-4247	Washer, plain, for bolt $(\cdot 344'' \times \cdot 625'' \times \cdot 063'')$					• •		2
14-1202	Nut, for bolt (body to frame) $\left(\frac{5}{16}^{"}\right)$ UN.F. $\times \cdot 335^{"}$ ,	self-locking	g)					2
83-4807	Cover, left side, air cleaner							1
83-4808	Cover, right side, air cleaner							1
14-0221	Bolt (cover to body $\left(\frac{5}{16}^{"} \text{ UN.F. } \times 2^{"}\right)$							2
82-8245	Retainer, for cover bolt		•••					2
14-0302	Nut, for cover bolt $\left(\frac{5}{16}^{"}$ UN.F. $\right)$							2
60-2438	Washer, double coil, for cover bolt (.344" × .576	5″ × ∙096″)						2
60-4153	Bush, rubber, air cleaner cover		• •		• •			2
60-4152	Plug, rubber, air cleaner cover							2
60-4150	Name plate					• •		2
60-4145	Name plate motif, "Thunderbolt"		• •	• •			• •	2
82-4129	Screw, name plate securing (2 B.A. $\times \frac{1}{2}$ ", counters	sunk head)						4
82-4717	Nut, name plate front securing		• •					2
60-4154	Nut, "Spire", side panel						• •	2
60-3618	Air filter assembly							1
83-3781	Air intake pipe							2
83-4614	Rubber connector (body to carburetter)		•••			• •		1
60-3975	Clip, rubber connector							2

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83-4854							1
83-4803	Side panel, right						1
826673							2
14-0102				. ,			4
	MUDGUARDS AND TAIL LAMP MOUN	NTING					
974440	Front mudguard			· ·	• •		1
97–4444	Stay, front, front mudguard		••		· •	· •	l
974442	Stay, centre, front mudguard	••			. <b>.</b>		1
97-4447	Stay, rear, front mudguard	••	• •		. <i>.</i>	· •	1
14-0101	Bolt (stays to mudguard) $(\frac{1}{4}"$ UN.F. $\times \frac{1}{2}")$		• •	• •			6
604245	Washer, for bolt $(\frac{1}{4}'' \times \frac{7}{16}'' \times \frac{5}{64}'')$	· •	•••		· •		6
14-1201	Nut, for bolt $(\frac{1}{4}"$ UN.F. $\times$ -285", self-locking)	•••		· •			6
97–4446	Bracket (fork to front and central stays)						2
14-0103	Bolt (bracket to fork) $(\frac{1}{4}$ " UN.F. $\times \frac{3}{4}$ ")				• •		4
60-2427						· •	4
14-0116	Bolt, (bracket to front and centre stays) $(\frac{5}{10}"$ UN.F. $\times 1")$						2
824299	Washer for bolt						2
14-1302	Nut, for bolt $(\frac{5}{10}$ " UN.F. $\times$ -29", self-locking)						2
14-6114	Bolt, (rear stay to fork) $\left(\frac{5}{16}^{"}$ UN.F. $\times \frac{3}{4}^{"}\right)$						2
60-2428	Washer, spring, for bolt ( $\cdot 344'' \times \cdot 600'' \times \cdot 064''$ )						2
83-4823	Number plate, front						1
57-1076	Screw, number plate						2
71–2448	"O" ring, for screw						2
60-4249	Washer, for screw						2
83-4805	Rear mudguard	• •				· •	1
83-2796	Rear mudguard lower fixing bracket						1
14-0101	Bolt, fixing bracket to mudguard $(\frac{1}{4}^{"} \text{ UN.F. } \times \frac{1}{2}^{"})$						2
60-2329	Washer, plain, fixing bracket bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )			• •			2
14-1301	Nut, for fixing bracket bolt ( $\frac{1}{4}$ " UN.F. $\times$ -24", self-locking)						2
14-0114	Bolt, mudguard fixing bracket to frame $\left(\frac{5}{16}^{"}$ UN.F. $\times \frac{3}{4}^{"}\right)$	• •					2
60-2330	Washer, plain, fixing bracket bolt ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ )						2
14-1302	Nut, for fixing bracket bolt $(\frac{5}{16}$ UN.F.)	••	• •				2
83-4600	Rear mudguard bridge						1
14-0102	Bolt, mudguard to bridge, frameloop and stay $(\frac{1}{4}"$ UN.F. $\times \frac{5}{8}")$						6
602329	Washer, for mudguard bridge bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						6
14-1301	Nut, for mudguard bridge bolt ( $\frac{1}{4}''$ UN.F. $\times \cdot 24''$ , self-locking)						6
83-4791	Grab hand and support rail assembly						1
83-2726	Rear number plate				• •		1
14-0101	Bolt, rear number plate fixing $(\frac{1}{4}'' \text{ UN.F. } \times \frac{1}{2}'')$						4
60–2329	Washer, for number plate bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )			• •			4
14-1301							4
83-4774							1
14-1401							1
14-1301	Nut, for lamp carrier stud ( $\frac{1}{4}''$ UN.F. $\times$ -24'', self-locking)						1
60-2329							1
14-0101	Bolt, rear lamp support plate to mudguard $(\frac{1}{4}"$ UN.F. $\times \frac{1}{2}")$						4
14-1301	Nut, for lamp support plate bolt ( $\frac{1}{4}''$ UN.F. $\times$ -24", self-locking						4
602329	Washer, for lamp support plate bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						4
83–8784	Bracket, rear number plate, top						1
826850	Bracket, rear number plate, bottom					• •	ł
83-5001	Rear lamp support plate						1

Part No.

60-0974

14-7804	Screw, support pla	te to la	mp carri	ier ( <sup>1</sup> / <sub>4</sub> ")	UN.C. X	1/2", rec	cessed	head)		- 1			1
70-1612	Washer, serrated, f									· .			1
83-4800	Nut, rear lamp to											• •	2
83-4806	Protection strip, ca											· •	1
60-4103	Grommet, rear lan	np cable	es to mu	dguard	ι				• •				5
83-5105	Grommet, mudgua												2
		DLEBA	R, CON	TROL	S ANI	D CON	TRO	CAB	LES				
B.S.A.	AMAL												
97-4300		Handle						• •	• •	• •	• •	• •	1
60-0957		TWIST	GRIP,	THR	OTTLE						· ·		1
	16/328	Bo	dy, top	half				• •					1
	16/329	BC	DY, B	OTTO	M HAI	_ <b>Г</b>							1
	16/008		Frictio	on sprin	ng						• •		1
	16/009		Screw	, for fri	iction s								1
	16/010		Nut fo	or fricti	on spri	ng							1
60-0598		Ha	ndgrip,							٠,			1
	11/013		ew, seci			ves							2
97-2142		Ha	ndgrip,	left sid	le					γ.			1
60-3567		AIR C	ONTRO	DL LE	VER A	SSEM	BLY						1
	12/595		amp										1
60-3896		Sci	rew, for	clamp									2
60-3980													1
60-3981		Front brake lever										1	
21-2048			in—bra										2
14-1201			r pivot										2
60-3585			er, brake										2
60-3586			ig, for a										2
00 5500			LEBAR										1
			LEBAR										1
60-4114	Front brake cable												1
60-0746	Throttle cable												1
60-4194	Air control cable												1
60-3079													1
97-4112	Handlebar cable c												4
		P											
				TO	OL KI	Г							
60-2112	TOOL KIT, COM	APLET	E										1
60-0291													1
60-1907	Ring spanner,												1
60-0767	Screwdriver, o												1
60-2184	Spanner, "C"												1
60-1911	Tommy bar												1
60-1050	Spanner, spar												1
60-2084	Spanner, doub												1
60-3647	Spanner, ring						· .						1
60-3711	Tommy bar, f												1
60-0971	Spanner, box												1
	- r	1 - 1			1	1-1							

Note: Where a B.S.A. part number is not quoted, it is replaced by an AMAL part number. In this case application must be made direct to Messrs. AMAL Ltd. (see page 5 for address).

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Key, for tyre valve ...

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#### SPEEDOMETER, TACHOMETER AND DRIVE

	SI EEDOMETER, TACMOMETER			,				
60-2394	Speedometer (miles per hour scale) (Smith's SSM 5007/	(00)				· •		1
60-2395	Speedometer (kilometres per hour scale) (Smith's SSM	5007/01	)					1
19-9080	Trip control shaft							1
603376	Speedometer driving cable (Smith's DF9111/00)							1
60-2600	Speedometer mounting cup							i
97-4026	Speedometer mounting bracket							I
60-2391	Washer, for speedometer bracket							2
71-2475	TACHOMETER DRIVE GEARBOX ASSEMBLY							1
71-2477	Tachometer gearbox housing							1
70-9332	Screw, housing to crankcase $(\frac{1}{2}^{"} \text{ UN.F. L.H.})$							1
70-5155	Bush, flanged							ŧ
70-5156	Bush, plain							1
70-7351	Sealing washer, housing to crankcase							1
70-5157	Driving gear (from camshaft)							1
71–2480	End cap, for driving gear ( $\frac{1}{3}'' \times 20$ UN.E.F.)							
	"O" ring, for end cap						• •	1
60-3355	Driven gear (to tachometer cable)							1
71-2653								1
71-2482	Spacer, for driven gear				- 1		•••	i
71-2481	Welch washer, spacer retaining						• •	i
60-2396	Tachometer head, ratio 4/1 (Smith's RSM3003/13)						•••	l
60-3933	Tachometer driving cable (Smith's DF9111/00)							
97-4026	Tachometer mounting bracket						••	1
60-2600	Tachometer mounting cup			- •		• •	• •	1
60-2391	Washer, for tachometer bracket	• •	• •	•••	• •	• •	• •	2
	DUTTER CONTRACTOR	TOOL	000.13	,				
	BATTERY CARRIER, COIL AND		IRAI	ť				T
83-4610	Battery carrier		•••	• •		• •	• •	1
82-8091	Battery carrier tray (moulding)		• •	• •	• •	• •		1
82-7380	Battery protective strip		<i>.</i> .		••	••	• •	4
82-9353	Battery retaining strap	· •						1
82–9355	Buckle, battery retaining strap	• •	••		• •	• •		1
83-2508	Screw, shouldered, carrier mounting	• •	• •		• •		••	3
826039	Bush, rubber, carrier mounting		• •		••	· ·		3
14-1301	Nut for shouldered screw ( $\frac{1}{4}$ " UN.FX. $\cdot 24$ ", self-locking)	)	• •	• •		•••		3
60-2329	Washer for put $(.270'' \times .562'' \times .036'')$							1
834601	Coil and tool tray, combined			• •	• •			1
[4-0]02	Coil and tool tray, combined Bolt, coil tray to mudguard $(\frac{1}{4}^{"} \text{ UN}, \text{F.} \times \frac{5}{4}^{"})$					, .		2
14-1201	Nut, coil tray bolt ( $\frac{1}{4}$ " UN.F. $\times$ -438", self-locking)							2
60-2329	Washer, for nut							2
21-0778	Nut, for battery carrier bolt (fixed) No. 10-UN.F.							1
	ELECTRICAL EQUIPMENT-	-LAMP	S					
B.S.A.	Lucas							
	60512 HEADLAMP COMPLETE (U.K.) TY							1
	60513 HEADLAMP COMPLETE (EUROPE							1
	553248 Rim							1
19-1367	54525927 Light unit (U.K.)						• •	l
	0							1

Note: Where a B.S.A. part number is not quoted, it is replaced by a Lucas part number. In this case application must be made direct to Messrs. Joseph Lucas Ltd. (see page 5, for address).

B.S.A.	Lucas					
	504665	Wire clip, light unit fixing				5
	144921	Screw, rim fixing				1
	534296	Plate, rim fixing		Υ.		1
19-1044	370	Bulb, main (U.K.)				1
	410	Bulb, main (European, except France)				1
	411	Bulb, main (France)				1
	554602	Bulb holder, main (U.K.)				1
	553738	Bulb adaptor, main (European)				1
19-1675	989	Bulb, pilot				1
	553780	Bulb holder, interior, pilot				1
	554354	Ring, rubber, pilot bulb holder				1
	54363453	Warning light assembly (amber)				1
	54363454	Warning light assembly (red)				1
	54363455	Warning light assembly (green)				1
	281	Bulb, warning light				3
	54140331	Sealing washer, warning light				3
	34419	Switch, lighting				1
	555910	Sleeve terminal, for cable				1
	862217	Grommet, harness			• •	t
	54104506	Bolt, securing lamp to fork			• •	2
	143086	Washer, for bolt		•••	• •	2
97-4124	145000	Distance sizes for halt			•••	2
60-4110	56513	REAR LAMP, TYPE L 917 (less side reflex)	• • •			1
00-4110	54584930	T	• ••			1
	54584931	Page again blu		• •	•••	1
	573828	F		• •	• •	1
	54983924	Calat		• •	••	l
	380	Duille		* -	• -	1
99-1190	56147	DIRECTION INDICATOR LAMPS, TYPE L874		• •	• •	1
99-1191	54581638	T and approach las	• •	• •		1
JJ-1171	573832	Interior according		•••	• •	1
	54580322	D.11.1.11.1.1		• •	· •	1
	382	Dulh		• •	••	1
	60600091	Stevel 1 and 5 27/1		• •	• •	2
	60600269	Standhigh room 2 4" land		• •	• •	2
14-0404	00000207	Next standblog (7 // sexts)		• •	••	8
37-2332		Washan plain for nut		• •	••	0 4
37-2331		Washer, shakeproof, for nut	• • •	• •	• •	4
70-4144		Rubber cap, stanchion, rear		٠.		2
/0-4144		Rubber cap, statienton, rear	• • •			2
		ELECTRICAL EQUIPMENT				
		CONTACT BREAKER (TYPE 10CA), SEE PAGE 1				1
91-7606		SPARKING PLUG (CHAMPION N3)				2
19-7625		Cover, sparking plug				2
60-3924		Cable, high-tension, resistive				2
60-2203	45223	COIL (Type 17M12)				2
82-9561		Grommet, coil mounting				2
	54949011	Grommet sleeve, high-tension lead				2
						-

Note: Where a B.S.A. part number is not quoted, it is replaced by a Lucas part number. In this case application must be made direct to Messrs. Joseph Lucas Ltd. (see page 5, for address).

B.S.A.	Lucas				
	421863	Contact clip, high-tension lead			 2
19-1333	39895	HANDLEBAR SWITCH-LEFT SIDE (Type 169SA)		<i>.</i> .	 1
19-1337	54033667	Switch, assembly with securing screws			 1
99-1215	54340883	Lever body			 1
19-1266	39785	HANDLEBAR SWITCH—RIGHT SIDE (Type 169SA)	• •		 1
	54033722	Switch assembly, with securing screws			 ł
	54343793	Lever body			 Į
99-1201	35048	Flasher (direction indicator) unit. Type 8FL			 1
60-3614	54386637	Spring, flasher unit mounting			 Į
19-1098	54385091	Clip, flasher unit		٠.	 1
21-0778		Nut, flasher unit spring to battery carrier (self-locking)			 1
21-2079		Screw flasher unit spring to clip (No. 10-UN.F. $\times \frac{1''}{2}$ ) .			 1
21-0778		Nut, for screw (No. 10–UN.F. self-locking)			 1
60-2391		Washer, plain, for nuts $(\cdot 202'' \times \cdot 391'' \times \cdot 032'')$			 2
60-3540	70228	Horn (Type 6H, high note)			 1
60-3161		Horn (Type 6H, high note)			 2
14-0103		Bolt — horn fixing $(\frac{1}{4}"$ UN.F. $\times \frac{3}{4}"$ )			 2
60-2347		Washer, for bolt $(\cdot 270'' \times \cdot 625'' \times \cdot 040'')$			 4
14-1301		Nut, for bolt ( $\frac{1}{4}$ " UN.F. $\times$ .245", self-locking)			 2
99-1028	34815	Stop-light switch (Type 118SA)			 1
60-3550		Screw, stop-light switch fixing (self-tapping)			 2
97-1388		Washer, for screw			 2
19-1775	31899	Ignition switch (Type S45)			 l
60-3598	54190096	Lucar blade — for condenser			 2
60-3211	54441582	Condenser			 2
21-2079		Screw condenser fixing (No. 10–32 UN.F. $\times \frac{1}{2}$ ")			 1
60-2391		Screw condenser fixing (No. 10-32 UN.F. $\times \frac{1}{2}''$ ) Washer, plain, for screw ( $\cdot 202'' \times \cdot 391'' \times \cdot 032''$ )			 2
21-0778		Nut, for screw (No. 10-32 UN.F., self-locking)			 l
14-0101		Bolt, condenser fixing $(\frac{1}{4}'' \text{ UN.F. } \times \frac{1}{2}'')$			 1
60-2329		Washer, plain, for bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )			2
14-1201		Nut, for bolt ( $\frac{1}{4}$ " UN.F. × .44", self-locking)			 1
990589	49072	Rectifier (Type 2DS.506)			 ]
990590	49345	Zener diode (Type ZD.715)			 1
	54961593	Main harness			 l
83-4709		Clip, main harness			 1
99-0719	54027029	Battery (Type PUZ5A)			1
82-7431		Battery vent pipe			 1
60-4254		Cable clip $(6\frac{3}{16}"$ long, before bending)			 15
60-0777		Cable clip, rubber			 2
		• ·			

Note: Where a B.S.A. part number is not quoted, it is replaced by a Lucas part number. In this case application must be made direct to Messrs. Joseph Lucas Ltd. (see page 5, for address).



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# Replacement parts list 1973 650 cc Thunderbolt (T65)





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### **Replacement parts list**

## Model T65 Thunderbolt

COMMENCING

**ENGINE NUMBER** 

FRAME NUMBER

J.H. 15101

Issued by B.S.A. Motor Cycles Limited Spares Department, Montgomery Street, Birmingham B11 1DZ. Telephone: 021-772 0559/0537 Telegrams "Selmoto" Birmingham

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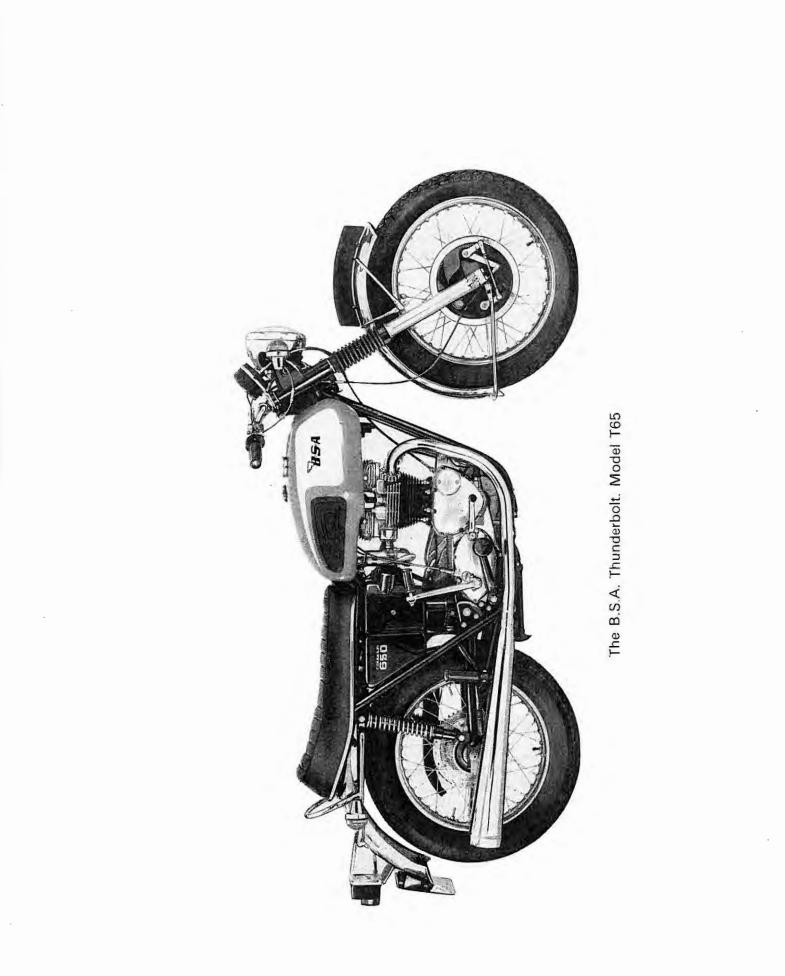
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## Please Note!

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Replacement parts or accessories must be of B.S.A. origin or as approved by B.S.A. Motor Cycles Ltd.

In this respect your attention is drawn to the Terms and Conditions of B.S.A. Guarantee.



		ŀ	Page	
AIR CLEANER	· <b>.</b>	• •	24	HAND
ALTERNATOR ROTOR			9	HAND
ALTERNATOR STATOR			17	HEADI
ASSEMBLIES			8	HEADI
AUTO-ADVANCE UNIT		• •		HORN
BATTERY CARRIER			27	KICKS
BRAKE PEDAL			18	
BRAKE SWITCH			29	MANIF
BREATHER PIPES		•••	17	MUDG
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			18	TIMINO
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			21	
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Lock No.	Key No.	Lock No.	Key No.	Lock No.	Key No.
EJR 1	19-5151	EJR 18	19–5168	EJR 35	19–5185
EJR 2	19-5152	EJR 19	19–5169	EJR 36	19-5186
EJR 3	19-5153	EJR 20	19–5170	EJR 37	19-5187
EJR 4	19–5154	EJR 21	19-5171	EJR 38	19-5188
EJR 5	19–5155	EJR 22	195172	EJR 39	19-5189
EJR 6	19–5156	EJR 23	19-5173	EJR 40	19-5190
EJR 7	19–5157	EJR 24	19–5174	EJR 41	19-5191
EJR 8	19–5158	EJR 25	19–5175	EJR 42	19-5192
EJR 9	19–5159	EJR 26	19-5176	EJR 43	19-5193
EJR 10	19-5160	EJR 27	19–5177	EJR 44	19–5194
EJR 11	19–5161	EJR 28	19-5178	EJR 45	19-5195
EJR 12	195162	EJR 29	19-5179	EJR 46	19-5196
EJR 13	19-5163	EJR 30	19-5180	EJR 47	195197
EJR 14	19–5164	EJR 31	19-5181	EJR 48	19–5198
EJR 15	19-5165	EJR 32	19-5182	EJR 49	19-5199
EJR 16	19–5166	EJR 33	19–5183	EJR 50	19-5200
EJR 17	19–5167	EJR 34	195184		

#### SCREW THREADS

Details of thread forms and sizes are quoted after the description of Nuts, Bolts, Screws and Studs. Example: 14-0102, Bolt ( $\frac{1}{4}$ " UN.F.  $\times \frac{5}{8}$ ") =  $\frac{1}{4}$ " diameter Unified Fine Thread,  $\frac{5}{8}$ " long under head.

#### **ABBREVIATIONS:**

B.A.	= British Association	B.S.C. = British Standard Cycle
<b>B.S.</b> F.	= British Standard Fine	UN.F. = Unified Fine
UN.C.	= Unified Coarse	UN.S. = Unified Special
UN.E.F.	= Unified Extra Fine	W.F. = Whitworth Form

#### **IDENTIFICATION OF UNIFIED THREADS:**

Bolts: A circular recess is impressed in the head.

Nuts: A circular (or intermittently circular) groove is machined on one end face.

#### NOTES

#### PRICES

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Price codes are not given in this list and reference should be made to the Master Price List.

#### PISTONS

(Supplied complete with rings, gudgeon pin and circlips)

Compression Ratio	Part Number	Туре
9:1	70–9488	Standard
7.5:1	70-6895	For Low Grade Fuel

The above pistons are also available in the following oversizes: +  $\cdot 010$  in.; +  $\cdot 020$  in.; +  $\cdot 040$  in. (0.25 mm; 0.5 mm, 1 mm)

#### VALVE GUIDES

Oversize guides are available as follows:

Inlet Guide:	71-2899 + .002 in.
	$71-2899 + \cdot 015$ in.
Exhaust Guide:	71-2900 + .002 in.
	$71-2900 \div .015$ in.

#### WASHERS

In the later pages dimensions of washers are quoted in the following sequence: Inside diameter, Outside diameter, Thickness

#### CARBURETTER SETTING

Type: Amal Concentric 930-60 Main Jet- 230; Needle Jet- 106; Needle Position- 2; Throttle Valve- 3½

#### SERVICE TOOLS

Service Tools for the Thunderbolt can be purchased from any B.S.A. dealer or from B.S.A. Spares Dept., Montgomery Street, Birmingham B11 1DZ.

#### DESCRIPTION

Throughout this list, assemblies are printed in capital letters and the components included in that assembly are given directly below in the description column, reverting to the original alignment when the assembly is completed.

To order the assembled unit it is necessary to quote the assembly number only. Listed component parts may be obtained separately if desired.

#### ENGINE AND FRAME NUMBERS

The engine number is located on the left side of the engine, immediately below the cylinder block/crankcase flange.

The frame number is located at the top of the left frame front down tube, in front of the fuel tank. Both engine and frame numbers must be quoted in full in any correspondence relating to the motor-cycle.

#### ASSEMBLIES

Part No.

Description

- 99–1165 DECARBONISING GASKET SET
- 99-1168 COMPLETE OVERHAUL GASKET SET
- 00–7009 LOCTITE PLASTIC GASKET (10 bottle trade pack)
- 71-3675 ENGINE UNIT-19T gearbox sprocket (less carburetter and exhaust system)
- 71-3297 CRANKSHAFT AND FLYWHEEL ASSEMBLY
- 57–1928 CLUTCH COMPLETE
- 70–9421 OIL PUMP COMPLETE
- 83–4797 FRAME COMPLETE
- 97-4422 FRONT FORK COMPLETE
- 37-4169 FRONT WHEEL COMPLETE (less brake and tyre)
- 37-1721 FRONT HUB WITH SPOKES AND RIM
- 37-3461 FRONT BRAKE ANCHOR PLATE WITH BRAKE DETAILS
- 37–3849 REAR WHEEL COMPLETE (less brake and tyre)
- 37–3985 REAR HUB AND SPINDLE ASSEMBLY
- 37-3878 REAR BRAKE ANCHOR PLATE WITH BRAKE DETAILS

70-5976

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#### CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS

71-3297	CRANKSHAFT AND FLYWF	IEEL	ASSEM	BLY							I
713298	CRANKSHAFT, with oil tu										1
70-3903	Oil tube	-									1
71-2800	Screwed plug								•••		1
71-2425	Flywheel										1
71-2799	*Flywheel bolt	• •	• •		• •			•••	•••		3
71-1003	Washer ( $\cdot 380'' \times \cdot 625'' \times \cdot$								•••	•••	3
21-2183	Stud, crankshaft										l
70–9525											2
70-1511	Bush, small end							•••		• •	2
70-6576	Bolt, big-end cap			• •				· ·	· • · ·	• •	4
60-3761	Nut, self locking, big-end bo							•••			4
70–3586	Big-end bearing (halves). Als									• •	4
70–3380 70–9488	PISTON COMPLETE, with ring										2
70-9488	PISTON COMPLETE, with ring									• •	2
/0-0895		s and y	guageon	pin (7	•) :	i Comp	. ratio)			• ·	4
703049	See also page 7.										4
	Compression ring (taper)			· •	• •	•••	• •	••	•••	• •	
71-3368	Oil control ring	•••	• •	• •	• •	• •		• •		••	2
70-6871	Gudgeon pin	• •	• •	· ·	• •			••			2
70-6869	Circlip, for gudgeon pin			• •					••		4
70–2879	Main bearing, drive side. Hoffma				• •			• •	• •	• •	1
71-2662	Engine sprocket, 29T				• •			•••		•••	1
70-4573	Distance piece, engine sprocket				• -			••	••		I
70-8038	Shim, engine sprocket (.010" thic	:k)	· •	· <i>·</i>	• •			• •		as req	
71-2660	Shim, engine sprocket (.030" thic	(k)		· ·			•••		•••	as req	
19-8019	Rotor (Lucas No. 54213901) Key, for rotor			· •	• •				••	• •	1
71-0082	Key, for rotor						• •				1
21-2182	Nut, for rotor		• •	· •		• •	• •				1
71-2802	Tab washer, for rotor nut				· ·						L
70–3835	Main bearing, timing side. Hoffm	iann N	o. 330			• •					1
70–4564	Timing pinion, crankshaft					• •		• •			1
70-3300	Clamping washer, timing pinion										1
71-2877	Nut, timing pinion										1
70–1580	Key, timing pinion										1
70–6159	INTERMEDIATE TIMING GE									• •	1
70-0400	Bush, intermediate gear whee	el									1
71-2719	Camshaft pinion										2
70-1558	Key, camshaft pinion							ι.			2
71-1063	Inlet camshaft.	• •									1
71-1007	Nut, inlet camshaft										1
706523	Nut, exhaust camshaft										1
70-9989	EXHAUST CAMSHAFT										1
70–9988	Plug, tachometer drive off ca	mshafi									1
			NECLO								
		CRA	NKCAS	E							
70–9328	CRANKCASE, DRIVE SIDE		••	• •		• •		, .	• •		1
70-1516	Camshaft bush										2

\*Retain with Loctite D524

Chain tensioner pivot pin (see also "Chaincase and chains")

71-3513

70-1479 70-4359 70-6386 57-0989 57-0912 57-1606 70-0375 21-2149 70-8751 70-3716 14-1445 14-0402 60-4246 14-0303 70-1532 70-9330 82-1880 21-1871 70-8896 21-1863 21-1865 21-1872 21-1870 14-6220 14-6223 14-0230 21-1823 60-2330 14-1302 70-9336 70-5315 57-2167 21-0543 70-2441 57-2259 70-6299 57-1920 57-2166 70-8782 14-6242 21-0669 70-7573 71-1072 71-1075 70-9335 71-1460 71-1077 71-1078 70-4705 14-0101 60-4250 70-1435

CRANKCASE, TIMING SIDE									1
Camshaft bush									2
Scavenge pipe, crankcase filter					• •				1
Locating peg, oil pipes junction b	olock								1
									2
Locating peg, layshaft bearing th	rust wash	er			••				1
Needle roller bearing, layshaft.									Ī
Intermediate timing gear spindle			• •			•••			ĺ
Stud, for gearbox covers $(\frac{5}{16}"$ UN			•••						2
Hollow dowel (at cylinder base stud)					• •	• •	۰.		2
Hollow dowel (at front of crankcase 1		••			•••	••	••	••	2
Stud, crankcase rear ( $\frac{3}{7}$ UN.C./UN.F. >			•••	- •	••	• •	••		
Nut, for rear crankcase stud $\left(\frac{3}{16}\right)^{-1}$ UN.I.	× <del>1</del> 2) 100		• •		• •	• •	· -	• •	1
			• •	• •	•••	•••	• •	••	2
Washer, plain ( $\cdot 406'' \times \cdot 750'' \times \cdot 06$					••	••	• •	••	2
Nut $(\frac{3}{8}'' \text{ UN.F.} \times \cdot 333'')$			• •	• •	••	••	• •		1
Hollow dowel, tappet oil feed (timing					• •	••		• •	1
Oilway plug, scavenge drilling				· ·	••	• •	• •		1
Copper washer, for oilway plug				• •	• •	• •			1
Plug (L.H. thread), driveside crankcas							• •		1
Fibre washer, for tachometer plug and	d timing j	plug					• •		2
Stud, oil pipe junction block $\left(\frac{5}{16}^{"}\right)$ UN.	F./UN.C. >	$\times 1\frac{1}{4}''$							1
Stud, cylinder block to crankcase $\left(\frac{3''}{8}\right)$	UN.F./UN.	$c. \times 1$	<u>3</u> ")						8
Plug, timing hole, crankcase timing si	de .							. ,	L.
Bolt, crankcase rear $(\frac{5}{16}"$ UN.C. $\times 1\frac{7}{8}"$									1
Bolt, crankcase top rear $(\frac{5}{10}$ " UN.C. ×									1
Bolt, crankcase top front $\left(\frac{5}{16}^{"}\right)$ UN.C. >									1
Bolt, crankcase halves, long $\left(\frac{5}{16}^{"}\right)$ UN.F						• •			1
Bolt, crankcase halves, short $(\frac{5}{16})''$ UN.									2
Washer, plain ( $\cdot 333'' \times \cdot 625'' \times \cdot 040$									10
Nut, self-locking $\left(\frac{5}{16}\right)^{\prime}$ UN.F.).	,					•••			5
Crankcase filter									1
Joint washer, for crankcase filter			• •	••		••	• •	• •	
		••	• •	• •	• •	• •		- •	1
Drain plug (with level tube), gearbox		••	• •			• •			1
Level plug, gearbox $\binom{1}{4}$ UN.F.)			• •	• •	••	• •		• •	1
Copper washer, for level plug		• •	• •	••	• •	• •	• •	• •	1
Drain plug (primary chaincase)		• •	• •	• •	• •	• •	• •	• •	1
Fibre washer, for drain plug		••	• •	- •	•••		•••		1
Blanking plug, timing side crankcase,		• •			••	• •	• •		1
Filler plug, primary chaincase (1" UN.	-		• •	• •	•••			• •	1
"O" ring, filler plug							• •	• •	1
Bolt, crankcase halves, rear (3" UN.C.	× 4")	• •							1
Stud, crankcase halves (5/ UN.F./UN.F	$(\times 4^{3''}_{4})$						••		1
Rubber button, driveside crankcase									1
Breather cover plate assembly									1
Screw, breather outlet stub									1
Outlet stub, engine breather									1
Joint washer, breather outlet stub							• •	••	1
Screw, breather cover plate and outlet			• •	•••	••	••	••	• •	2
Tube, primary chain oiler			• •	••		• •	•••	••	2
			••		••	••	••	•••	1
Clip, primary chain oiler tube	••	• •	••	••	• •	•••	••	••	
Bolt, for clip $(\frac{1}{4}'' \text{ UN.F. } \times \frac{1}{2}'')$	•••		• •	• •	•••	••	•••	••	1
Spring washer for clip bolt	••	• •	• •	•••	• •	••	•••	••	1
Grommet, alternator leads, external							••		1

#### Qty.

### OIL PUMP, RELEASE VALVE, MANIFOLD AND TAPPETS

	· · · · · · · · · · · · · · · · · · ·		-								
70-9421	OIL PUMP		• •					· •			1
70-9269	Feed plunger		• •			· <b>.</b>	· .				1
70-6681	Scavenge plunger							• •			1
700945	Slider block										1
60-2363	Ball $(\frac{7}{32}'' \text{ dia.})$										2
70-0403	Spring							•••			2
70-2360	Screwed plug							· •		••	2
71-1461	Joint washer (pump to crankcase)										1
21-1864	Oil pump stud ( $\frac{1}{4}$ " UN.F.U/N.C. × 1										2
21-1906										.,	2
70–3887	Serrated washer, for pump securin			• •							2
71-3447	Oil release valve	-									1
70–1670	Washer, release valve to crankcase		· · ·								Ī
70–9973	-							• •			1
70–5660	Joint washer, inlet manifold to cyli					••					2
21-1876	Stud, inlet manifold to cylinder he										4
21-1870	Nut, inlet manifold stud ( $\frac{1}{4}$ " UN.F.)		-			• •		• •	• •	••	4
60-4248	Washer, inlet manifold nut ( $\cdot 266''$						•••	•••	••	••	4
21-1996					• •	• •	••	• •	•••	• •	2
21-1990 70-9555			••	••		· ·	• •	••	•••		2
							••	•••	• •	• •	2
70-9554	8 8,		**	••	••	•••	••	••	••		2
14-1301	Nut, carburetter stud $(\frac{1}{4}''$ UN.F. self			••			••	••		• •	2
70-9352	11 0	••	• •	••	•••	•••	• •	•••	• •	••	
70-9353	11 8	••	• •	• •	• •	• •	• •	••	•••		1
70–7563	0, 11 0	•••	••	••	• •	•••	• •	••	••	· ·	2
970200		• •	• •	• •	• •	• •	•••	•••	• •	••	2
70–2441	Washer, for lock bolt	•••	•••	• •	••		• •	•••	• •	· ·	2
703059R		••	· •	••	•••	•••	• •	••	••	• •	2
708801	Exhaust tappet		••	• •	•••	••	•••	• •	••	••	2
		-	<b>a</b> a <b>r</b> i								
<b>TO (30)</b>	CYLINDE										1
70-6304	Cylinder block			••	••	• •	• •	. ,	••	•••	1
70-6309				••	••	••	• •	•••	• •	· •	1
21-0692	Cylinder block base nut (12 point)			· •		• •	••	• •	• •	••	8
70–2620	Push rod			• •				•••		· •	4
71–2575	Push rod cover tube			• •	• •	• •	•••	• •	•••	••	2
70–7310	"O" ring, push rod cover tube, bot				• •	· •	• •	• •	• •	• •	2
704752	Sealing ring, push rod cover tube,	bottom		· •	••	••	•••	• •	· •	· ·	2
71-1707	Sleeve, for sealing ring	• •		• •	• •	• •	••	• •	••	•••	2
71-1283	"O" ring, push rod cover tube, top										2
70–4547	Cylinder head gasket							· •	· •	••	I
71–2806	CYLINDER HEAD WITH GUID							•••	• •		1
71-3292	Inlet valve guide							• •			2
71–3293	Exhaust valve guide							• •	• •	· •	2
14-1401	Stud, rocker box to cylinder head (	4″ UN.(	c./un.f	$. \times 1''$	)		•••	••			6
70-3302	Washer, plain for rocker box stud		• •				• •		•••	•••	6
14-0301	Nut, for rocker box stud $(\frac{1}{4}"$ UN.F.)							••		. ,	6
21-1875	Bolt, rocker box to cylinder head (;										4
604248	Washer, for rocker box bolt ( .266"										4
71-2888	Bolt, cylinder head (tapped).										4
71-2889	Bolt, rocker bolt to cylinder head (										4

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70-0327	Cylinder head bolt, short $(\frac{3}{8}'' \text{ C.E.I. } \times 3\frac{3}{8}'')$				• •			4
82-2184	Washer for short cylinder head bolt $(\frac{25''}{64''} \times \frac{3}{4''} \times \cdot 092'')$							4
71-2598	Washer, for tapped cylinder head bolt ( $\cdot 39'' \times \cdot 62'' \times \cdot 62''$							4
70-4771								1
60-4247	Washer, for cyl. head centre bolt ( $\cdot344'' \times \cdot625'' \times ''065'$	3")						1
21-2197	Stud, rocker box, for torque stay ( $\frac{3}{8}$ " UN.F./UN.C. × 1.31	")						2
37-2338								2
14-1303				, .				2
60-2331	( a a a m a a a a a a a a a a a a a a a							2
70-4603								2
70-2904								2
71-3748								8
70-4221								4
70-7400								4
70-1543					, ,			4
71-3296								4
71-2569								1
71-2570								1
71-2361								4
71-2599								2
71-2572								2
71-2574								2
14-6606	Screw, cheese head, tappet inspection cover $(\frac{1}{4}" \text{ UN.c. } \times$							8
60-3963	10 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 /						8
70-1457	BOOKER (11) I I I I I I I I I		•••					2
70-1458								2
71-0070								4
70-1513								4
70-0470								4
71-3549								2
60-3548								2
70-1575								6
70-1373				• •				2
70-1574				• •		••		4
/0-13/4	washer, spring, rocker springle	•	•••		••	•••	•••	-
	AMAL CARBURETTER							
B.S.A.	AMAL CARDORETTER							
60-2183	930/60 CARBURETTER (less flange sealing ring)							I
99-0521	622/086 Screw and washer (retaining top cap)					· · • .		2
JJ=0521	928/098 Cap, mixing chamber, top							ĩ
	selfere oup, mixing enumber, top	-						*

99-0528	928/062	Air slide	• •	 	 	 1
	622/129	Spring, for air slide		 	 	 1
	928/103	Sleeve, air slide guide		 	 	 1
19-3127	928/060	Throttle slide (No. 31 cutaway)		 	 	 1
99-1033	622/131	Spring, throttle slide return		 	 	 1
	622/077	Screw, throttle stop		 	 	 1
99-0520	622/082	"O" ring for throttle stop screw		 	 	 1
	622/124	Needle, throttle (position 2)		 	 	 1
990510	622/067	Clip, throttle needle		 	 	 1
19-3136	622/122	Needle jet (.106)		 	 	 1

Note:-Where a B.S.A. part number is not quoted it is replaced by an Amal part number. In this case, application must be made direct to Messrs. Amal Ltd. (see page 5 for address).

Part No.

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Description

$\cap$	621
Y	ιy.

	R930/005	Body, complete	.,		.,						1
19-2883	376/100	Main jet (230)									1
	622/128										1
	622/076	Pilot air screw									1
99–0520	622/082	"O" ring, for pil									1
	622/055	Float chamber									1
990512	622/069	Float						• ·			ĩ
99-0513	622/071	Float spindle									Ī
990511	622/068	Float needle									1
99–0514	622/073	Gasket, float cha									ī
99-1152	622/147	Drain plug, float									1
	622/151	Washer, for drain			• •					.,	1
99-0521	622/086	Screw and washe	· ·								2
19-3048	376/093	Filter (fuel inlet	•								1
990517	622/078	Bolt, fuel pipe ba		,							I
99-1100	13/163	Washer, fibre, fo	-				••				1
709711	,	" ring, carburetter	-								- 1
		0	C								
		TIMING COVE	R AND	CONTAC	T BRE	AKEI	R				
713428	Timing cover								• •		
70-4568	Oil seal	·· ··								• •	1
<b>70</b> (20 <b>7</b>	0.1 1 ( 0.20%		,	1 1 6							•

70-4568	Oil seal							1
70-6387	Oil seal (.020" undersize). For reground cranksha	aft .						2
70-4569	Circlip, oil seal							1
570989	Hollow dowel							2
14-6609	Screw, long, timing cover $(\frac{1}{4}" \text{ UN.C. } \times 1\frac{1}{4}")$							2
14-6608	Screw, short, timing cover $(\frac{1}{4}" \text{ UN.C. } \times 1")$ .							6
708737	Cover, contact breaker		· • ·					1
71-1462	Gasket, contact breaker cover							1
70-7354	Screw, contact breaker cover							2
97-0430	Washer, serrated, for cover screw							2
60-2138	Label, timing, contact breaker cover							1
60-2133	Oil pressure switch						• •	1
60-2045	Oil pressure switch cover							1
	AUTO ADVANCE UNIT (Lucas 54425657)	. ,						1
	Spring set (Lucas 54412229)			,				1
14-0208	Bolt, retaining auto advance unit							1
70-8163	Washer for retaining bolt							1
·····	CONTACT BREAKER PLATE ASSEMBLY (L	ucas 54	4425160	)		• •		1
—	Contact set (Lucas 60600271)							1
99–0769	Pin, adjustment (Lucas 54419220)			• • • •				1
70–4707	Grommet, contact breaker leads							1
70-7680	Pillar bolt, retaining contact breaker plate .							2
706559	Washer for pillar bolt	· ·	• •		• •			2
	GEARBOX INNER COVER A	ND SE	ELECTO	ORS				
57-4119	GEARBOX INNER COVER							1

57-4119	GEARBOX INNER COVER	· •	 • •		••			••		1
57–1614	Layshaft bearing		 	• •						I
57-0412	Gearchange spindle bush	• •	 •••	••	••	••	· •	••	• •	1

Note:-Where a B.S.A. part number is not quoted, it is replaced by a manufacturer's part number. In this case application must be made direct to the manufacturer concerned (see page 5 for address).

Part No.

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Qty.

57-0045	Kickstart quadrant buffer									Ŧ
57-1607	Thrust washer, layshaft bearing		• •							1
57-0912	Peg, thrust washer locating									1
60-3552	Bearing, gearbox mainshaft. Hof	fman L58	3							1
57-4113	Circlip, bearing retaining									1
57-0989	Hollow dowel, inner cover to out	ter cover								1
57-0397	Quadrant, gear control		1.		• •					1
57-1896	Spindle, gear control quadrant		•••	• •	• •				• •	1
60-2708	Cotter pin $\left(\frac{5}{64}^{"} \text{ dia. } \times 1\frac{3}{8}^{"}\right)$			• •	• •			••	• •	2
21-1907	Bolt, inner cover to crankcase	• •	• •	- •				••	• •	1
70-3446	Washer, for inner cover bolt			••					• -	1
14-6608	Screw, inner cover to crankcase ( $\pm^{"}$ U						• •		• •	1
14-7023	Screw, socket, inner cover to crankcas	se $(\frac{5}{16}'' U)$	N.C. X	13")	• •	•••			• •	1
57-4308	Mainshaft selector fork							• •	* *	1
57-4307	Layshaft selector fork				• •				• •	1
57-3989	Selector fork spindle					• •	* 1	• •	• •	1
57-4055	Camplate		• •		• •	• •	• •			1
57-4226	Plunger, camplate indexing				• •					1
57-4227	Housing, index plunger						۰.			1
57-3978	Washer, index plunger housing				• •			• •		1
57-4059	Spring, index plunger		• •		• •					1
	GEARBOX S				S					
57-4158	MAINSHAFT COMPLETE WITH I	LOW GE	EAR (1	6T)		••	• •	••	• •	1
57-3988	Clutch push-rod bush								• •	1
57-1736	Clutch push rod	•••	• •	• •	• •		• •	• •		1
57-4332	MAINSHAFT HIGH GEAR (25T)		• •	• •	• •	•••	• •		• •	1
57-4006	High gear bush	• •	•••	• •	• •	• •	••	••	۰.	1
57-3889	Mainshaft third gear (23T)	• •	••	• •	• •	• •	• •		• •	1
57-4335	Mainshaft second gear (20T)	• •		• •			• •	• •	• •	1
57-3862	LAYSHAFT LOW GEAR (30T)		• •	• •		• •				1
57-0928	Low gear bush		•••		• •	• •	• •	• •	٠.	1
57-3861	Layshaft second gear (26T)	• •	• •	• •	• •	•••	• •	•••	• •	1
57-3890	Layshaft third gear (22T)		••			• •	• •	• •	• •	1
57-4345	Layshaft, complete with high gear (19	T)	••	• •	••	• •	• •	•••	• •	1
57-1952	Gearbox sprocket (15T)	•••	•••		• •		• •	••	• •	1
57-1953	Gearbox sprocket (16T)		• •	• •	• •		• •	••	• •	1
57-1916	Gearbox sprocket (17T)		• •	• •	• •	•••	• •	• •	• •	1
57-1917	Gearbox sprocket (18T)	•••	• •	• •	• •	• •	• •	• •	• •	1
57-1918	Gearbox sprocket (19T) Standard		••	•••			• •	• •	• •	1
57-1919	Gearbox sprocket (20T)	• •	• •	••	• •	• •	• •	••	• •	1
57-0440	Gearbox sprocket securing nut		• •		• •	• •	• •	• •	• •	1
57-2116	Tab washer, for sprocket nut	• •	• •	• •	• •	•••	••	• •	• •	1
60-3556	High gear bearing, mainshaft	· ·	• •	• •	••	••	• •	• •		1
700489	High gear bearing, circlip	• •		• •	• •		• •	• •	• •	1
57-0946	Oil seal, high gear bearing	• •	• •	• •	•••	• •	• •	• •	* *	1
57-0730	Kickstarter pinion	• •	•••	••	· ·	• •	• •	• •	•••	1
57-1963	Kickstarter pinion sleeve	••	• •	• •	•••	••		• •	• •	1
57-1250	Kickstarter pinion spring	•• '	•••	• •	••	• •	• •	• •	• •	1
57-1962	Kickstarter pinion thrust washer	• •		•••	••	• •	• •	• •	••	1
57-0731	Kickstarter ratchet	• •	• •	• •	۰.	• •	• •	••	• •	1
21-0594	Nut, ratche: securing		••	•••	• •	•••	• •	••	••	1
57-2240	Lockwasher, for nut		•••				•••		• •	1

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Part No.

#### Qty.

#### **GEARBOX OUTER COVER**

57-3760	GEARBOX OUTER COVER			• •				1
57-0023	Kickstarter spindle bush (outer)							1
57-0057	Gearchange spindle bush (outer)							1
57-0047	Kickstarter spring anchor pin							1
21-0547	Guide plate stud							4
57-1956	Oil seal (kickstarter spindle)							1
57-1955	Oil seal housing							1
57-4587	CLUTCH LEVER ASSEMBLY		• •					ľ
57-4588	Clutch lever						• •	1
57-1710	Shaft, clutch lever							ī
60-2368	Ball, 🖁 diameter							3
57-4589	Thrust plate							1
57-1712	Spring, for clutch lever shaft	• •						1
57-3673	Washer, clutch lever spring	• •						[
60-2701	Cotter pin, for clutch lever shaft $(\frac{5}{64}"$ dia. $\times \frac{1}{2}")$							1
21-1879	Screw, countersunk, for assembly of lever to cover							2
57-0409	Gearchange quadrant				•••			ī
57-4446	Gearchange quadrant spindle			•••	••	•••	•••	i
71-0037	Key, for spindle and quadrant				••		•••	Ť
60-3530	"O" ring, quadrant spindle		•••					1
57-0404	Spring, return, for quadrant		•••				• •	2
57-0406	Plunger, quadrant							2
57-0405	Spring, for plunger			•••			•••	2
57-0407	Guide plate, gearchange			•••			• •	1
14-0301	Nut, guide plate securing			• •				4
70–1612	Washer, serrated, for nut ( $\frac{1}{4}$ " UN.F. $\times$ ·22")			•••				4
57-3757	Gearchange pedal				•••			1
14-0201	Bolt, pedal securing $(\frac{1}{4}" \text{ UN.F. } \times 1")$							1
57-2450	Rubber, gearchange pedal		••		••	••		ī
57-2297	KICKSTARTER SHAFT ASSEMBLY		••		••			i
57-0024	Shaft, kickstarter				••			í
57-4117	Quadrant, kickstarter							ĵ
570031	Return spring, kickstarter quadrant				• •			1
57-3632	FOLDING KICKSTARTER		• •					1
57-2173	Crank, kickstarter			•••	••			í
57-1272	Pedal, kickstarter			•••	••		•••	i
57-1167	Spring, pedal locating							Î
60–2364	Ball, ‡" diameter		• •	•••	••		• ·	1
21-0541	Pivot bolt, pedal $\left(\frac{5}{10}$ UN.F. $\times \left(\frac{5}{32}\right)$	••	••	••	• •	• ,	• •	1
57-2330	Rubber, folding pedal $\dots$ $\dots$ $\dots$		••		• •	••	•••	1
57-4357	Cotter, crank to shaft	••	••	• •		•••		1
14-1301	Nut, for cotter		••	• •	••	••	••	1
60-2320		• •	• •	•••	• •	••	• •	1
57-3762	Washer, for nut       Adaptor, clutch cable, at outer cover	••	••	•••	• •		••	I
57-1646	Rubber cover, for adaptor	• •	•••	•••	• •	• •		1
57-2166	Oil filler cap	•••	•••	- •	• •	••	• •	1
70-8782	"O" ring, for filler cap	•••	· · · ·	• •	• •	• •	•••	1
21-2162		•••		••	•••	••	••	י ר
14-6609	Screw, long, outer cover to inner cover $(\frac{1}{4}$ UN.C. $\times 2\frac{1}{8})$ Screw, long, outer cover to inner cover $(\frac{1}{4}$ UN.C. $\times 1\frac{1}{4}$		• •	• •	· •	••	• •	2
			•••	••	•••	••	• •	2
14-6608	Screw, short, outer cover to inner cover $(\frac{1''}{4}$ UN.C. $\times 1$	)			••		• •	1

5

14-0302	Nut, cover stud, bottom $(\frac{5}{16}''$ UN.F. ×								• •	1
21-0544	Nut, domed, cover stud top $(\frac{5}{16}"$ UN.F.)		• •			• •				1
60-4247	Washer, for cover nuts ( $\cdot$ 344" × $\cdot$ 625"	× .063	5″)	• •			••	•••	• •	2
	C	LUTCH	t I						•	
57-1928	CLUTCH COMPLETE									1
57-1570	Clutch housing/chainwheel									1
57-3929	Clutch hub									1
60-4253	Key, hub to mainshaft									1
57-3931	Thrust washer, hub									1
57-0934	Roller bearing									20
57-4435	CLUTCH SHOCK ABSORBER UNIT	r								1
57-4438	Clutch centre									1
57-4436	Inner retaining plate									1
21-2157	Bolt, inner plate to centre									3
57-4636	Spider									1
57-1722	Rubber, driving									3
57-1723	Rubber, rebound									3
57-4437	Outer retaining plate									1
60-4754	Bolt, clutch centre									3
21-0586	Nut, clutch to mainshaft		•••							1
57-2279	Washer, for mainshaft nut			• •				•••		1
57-1362	Driving plate (with bonded segments)			• •				•••		6
57-1363	Driven plate (plain)							•••		6
57-4590	Pressure plate								•••	1
57-2159					•••					1
14-0403			••	••		• •			• •	1
			• •	• •	• •	• •		••	••	3
57-1931					• •		••	•••	• •	3
57-1830	Spring, clutch plate pressure		••	•••	••		• •	•••		3
57-2526	Nut, sleeve, clutch centre pin		••		••	• •	• •	•••	• •	5
	CHAINCAS	SE AND	CH	AINS						
71-4619	PRIMARY CHAINCASE OUTER CO	OVER A	SSEM	MBLY						1
57-9245	Primary chaincase cover									1
71-1463	Gasket, chaincase cover									1
71-1323	Rotor cover, on chaincase cover									1
71-1457	Gasket, rotor cover									1
82-4129	Screw, rotor cover									3
57-2443	Pointer, ignition timing.									1
21-0544										2
82-1880	Washer for domed nut									2
57-2166	Oil filler plug (1" dia. UN.S.) (and clutch									1
70-8782	"O" ring, for filler plug	-								1
14-6101	Oil level plug								· · ·	1
70-2441	Washer for level plug						<b>.</b> .			1
14-6608	Screw, long, chaincase cover to crankca									6
14-6620	Screw, short, chaincase cover to cranke									2
60-0477	Primary chain, $\frac{3}{8}$ " pitch Duplex × 84 li			8 /						1
70-6061	Chain tensioner blade					••	•••			1
70-4152	Tie rod, tensioner blade				•••					1
70-5977	Trunnion, tensioner blade		÷.		• •					ĩ

Qty.

70–9703	Adjuster sleeve nut, tensioner blade	• •	• •	l							
70-5976	Abutment, chain tension (in crankcase)			1							
99–1006	Stator, Lucas No. 47205		• •	1							
21-1866	Stud, stator, long		• •	2							
21-1867	Stud, stator, short			1							
14-0702	Nut, self-locking, stator $\left(\frac{5}{16}^{"}$ UN.F.)			3							
60-4247	Washer, for nut $(.344'' \times .625'' \times .063'')$			3							
70-7037	Cover plate, chaincase aperture (behind clutch)			1							
71–1419	Gasket, cover plate			1							
70–7565	Oil seal, cover plate			ł							
70-3821	Screw, countersunk, for cover plate			6							
70-9630	Sleeve nut			1							
70-4144	Rubber grommet (oil sealing)			1							
60-1915	Rear chain, $\frac{1}{6}$ " pitch $\times \frac{3}{6}$ " $\times$ 106 links			1							
FRAME											
83-4797	Frame			l							
71-3463	Oil filler cap, with dipstick			1							
60-3616	"O" ring, oil filler cap			t							
83-4783	Oil reservoir filter			1							
71-3316	Sump plate, reservoir			1							
82-5343	Drain plug for sump plate			1							
70–1335	Washer for drain plug ( $\cdot 385'' \times \frac{21''}{32} \times \cdot 036''$ , copper)			1							
21-2025	Stud, sump plate to frame $\left(\frac{5}{16}^{"}$ UN.F.!UN.C. × 1")			4							
14-1302	Nut, self locking, sump stud $\left(\frac{5}{16}^{"}$ UN.F. $\right)$			4							
60-2330	Washer for nut ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ )			4							
83-2829	Gasket for sump plate			I							
71–3478	Junction block, oil pipes—at crankcase			1							
71–1458	Gasket, junction block			ł							
21-1908	Nut, junction block to crankcase $(\frac{5''}{16}$ UN.F.)			1							
70–3446	Washer, for nut $(\frac{21}{47}'' \times \frac{17}{12}'' \times \cdot 048'')$			1							
71-3550	Rocker oil distribution pipe assembly—at cylinder head $\dots$			1							
70–1335	Washer, distribution pipe banjo to rocker spindle ( $\cdot 385'' \times \frac{15}{32}'' \times \cdot 036''$ , copp			4							
21-0550	Nut, domed, rocker spindle ( $\frac{3}{4}$ <sup>"</sup> UN.F.)			2							
71-3551				ī							
706848	Oil feed pipe, rocker—rubber (reinforced)			2							
700848	Clip, rocker oil feed pipe			1							
			••	l							
71–3450 82–9073	Oil feed pipe (reservoir base to crankcase)	••		2							
	Clip, oil feed pipe			2							
70-6848	Clip, oil return pipe			2							
71-2349	Vent pipe (oil reservoir top to "T" piece)										
71-1149	Crankcase breather pipe (front)		••	1							
60-2253	Clip, crankcase breather pipe (front)		• •	2							
83-4813	Crankcase breather pipe (rear)		••	1							
60-2252	Clip, crankcase breather pipe (rear)		• •	1							
83-1610	"T" piece, breather pipes		· •	1							
83-1615	Clip, breather pipe to mudguard			5							
973894	Screw, breather clip		• •	5							
82-4717	Nut, for screw		• •	5							
83-4615	Centre stand	- •	• •	I							
83-3793	Spring, centre stand return	• •	• •	1							
21-2077	Pivot bolt, centre stand $\left(\frac{7}{16}^{"} \text{ UN.F} \times 1\frac{5}{16}^{"}, \text{ shouldered}\right) \dots \dots \dots \dots$	• •		2							

Part No.			Descr	iption							Qty.
14-1304	Nut, for pivot bolt $(\frac{7}{16}''$ UN.F.)										2
57-2331	Rubber sleeve, centre stand										1
83-1560	Prop stand				•••						1
82-7021	Pivot bolt, prop stand						•••				i
14-1303	Nut, for pivot bolt $(\frac{3}{8}" \text{ UN.F} \times \cdot 3$										i
82-8382						•••		• •	•••		1
14-0114	Bolt, prop stand stop $\left(\frac{5}{15}^{"}\right)$ UN.F. :					• •	•••		• •	• •	1
14-0402	Nut, for stop bolt $(\frac{5}{16}"$ UN.F. $\times$ •			• •			•••	• •			1
60-3361	Transfer, "Made in England"		• •		• •	•••			•••		1
	SWINGING AI	RM A	ND SI	USPEN	SION	UNIT	S				
83-2513	SWINGING ARM										1
60-1841	Grease nipple										2
71-2501	Washer for grease nipple										2
83-2521	Bush, swinging arm pivot				* *						4
83-2691	Sleeve, swinging arm pivot										2
83-2690	Distance piece, right side					•••			•••	•••	ĩ
83-2689	Distance piece, left side									.,	1
83-2692	Dirt excluder								•••		4
21-2087	Pivot bolt, swinging arm										1
14-1307	Nut, for pivot bolt ( $\frac{1}{6}$ " UN.F. $\times \cdot 5$									•••	1
83-2266	Washer, for nut $\left(\frac{21}{32}^{"} \times 1^{"} \times \cdot 0^{92}\right)$									•••	2
83-2656			•••						•••	•••	1
14-0133	Bolt, torque arm to swinging arm								•••		1
14-1304	Nut, torque arm to swinging arm										1
37-2330	Washer, for nut ( $\cdot$ 445" × $\frac{3}{4}$ " × $\cdot$ 0									•••	1
60-3957	SUSPENSION UNIT (Girling N									•••	2
99-0122	Bonded bush (Girling No. 64						••				4
19-7458	Spring, 100 lbs (Girling No. 6										2
14-0234	Bolt, suspension unit lower fixing										2
14-1303	Nut, for lower fixing bolt $(\frac{3}{8}"$ UN.F										2
60-2331	Washer, for nut ( $\cdot$ 390" × $\cdot$ 750" ×				- (						2
14-0235	Bolt, suspension unit top fixing $(\frac{3}{8})$										2
14-1303	Nut, for upper fixing bolt $(\frac{3}{8}"$ UN.I										2
60-2331	Washer, for nut ( $\cdot390'' \times \cdot750'' \times$										2
83-2641	Chainguard										1
14-0206	Bolt, chainguard fixing—front ( $\frac{1}{4}''$										1
60-2347	Washer, for bolt ( $\cdot 270'' \times \cdot 625''$										1
00 25 17									••		1
	FOOTRESTS, BRAKE	PEU	AL AN	ID EN	GINE	MOUI	NTING	r.S			
83-2854	Footrest, short	• •		• •			• •				1
83-2855	Footrest, long						۰.				1
14-0259	Bolt, footrest to frame $(\frac{1}{2}"$ UN.F. ×					• •		• •			2
14-1305	Nut, footrest to frame bolt $(\frac{1}{2}"$ UN.		•435",	self-loc	king)		••	• •	• •		2
60-2333	Washer, for nut ( $\cdot 52'' \times 1'' \times \cdot 05$			• •	• •	• •			••	•••	2
83-3602	Collar, footrest bolt			• •	• •		* •	• •	• •		2
83-2651	Footrest rubber		••	• •	• •	• •	• r			• •	2
83-2841	PILLION FOOTREST ASSEMBI	LY		• •	•••	•••					2
82-9053	Pillion footrest			• •			• •	• •		• •	2
82-9089	Washer, pillion footrest			• •	••		••	• •	•••	• •	2
82-9054	Rubber, pillion footrest		••			••	• •	• •			2

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14-0217	Bolt, footrest swivel $\left(\frac{5}{16}^{"}$ UN.F. $\times 1\frac{1}{4}^{"}\right)$					2
14-1302	Nut, footrest swivel bolt $(\frac{5}{16}'' \times \cdot 29'')$ , self-locking)					2
83-3207	Hanger bolt	• •	• •		• •	2
14-1303	Nut, hanger bolt to frame $(\frac{3}{8}'' \times \cdot 32'')$ , self-locking)		• •			2
82-2184	Washer, for nut $(\frac{25''}{64} \times \frac{3}{4}'' \times \cdot 092'')$	••				2
83-2666	Rear brake pedal		• •		•••	1
21-2045	Pivot pin, brake pedal					1
14-1303	Nut, pivot pin $(\frac{3''}{8} \times \cdot 32'')$ , self-locking)	• •		· •	• •	1
70-8084	Washer, for nut $(\cdot 380'' \times \cdot 750'' \times \cdot 064'')$ .	• •	•••	• •		J
14-0103	Screw, stop light adjustment $(\frac{1}{4}" \text{ UN.F. } \times \frac{3}{4}")$	• •	• •	••	• •	1
14-0301	Nut, stop light adjustment screw ( $\frac{1}{4}'' \times \cdot 24''$ , self-locking)	• •	••	••	• •	1
83-2860	Rear brake operating rod	• •	••	• •	• •	1
83-4277	Distance piece, for split pin	••	• •	• •	• •	l
60-2683	Split pin $(\frac{1}{16}'' \times \frac{3}{8}'')$			• •	• •	1
37-1467	Pivot pin, rear brake lever		• •	• •	• •	1
82-3787	Adjuster, wing nut, for brake rod					1
83-3024	Rear engine plate, right side	· •			· •	I
83-3023	Rear engine plate, left side	• •			••	1
14-0115	Bolt, rear engine plate to frame $(\frac{5}{16}'' \text{ UN.F. } \times \frac{7''}{8})$		• •			5
14-0116	Bolt, rear engine plate to frame $\left(\frac{5}{16}^{"} \text{ UN.F. } \times 1^{"}\right)$					1
14-1302	Nut, for engine plate bolts $(\frac{5}{10}"$ UN.F. $\times -29"$ , self-locking)	• •		.,		6
60-2330	Washer, for engine plate bolts ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ )	• •	• •			12
140220	Bolt, rear engine plate to engine, left side $(\frac{5}{10}"$ UN.F. $\times 1\frac{3}{4}")$			• •		2
14-0221	Bolt, rear engine plate to engine, right side $(\frac{5}{16}" \text{ UN.F. } \times 2")$	• •				2
14-1302	Nut, rear engine plate to engine bolt ( $\frac{5}{10}$ " UN.F. $\times \cdot 29$ ", self-locking	g)				4
60-2321	Washer, rear engine plate to engine bolt ( $\cdot 333'' \times \cdot 625'' \times \cdot 072''$ )					8
83-2846	Distance piece, engine to frame, bottom—left side					1
83-2847	Distance piece, engine to frame, bottom-right side					t
21-2112	Bolt, engine to frame, bottom					1
14-1304	Nut, engine to frame bolt, botto $(\frac{7}{16}"$ UN.F. $\times \cdot 27"$ , self-locking)					1
60-2332	Washer, for bolt ( $\cdot458'' \times \cdot875'' \times \cdot048''$ )					2
83-2848	Distance piece, engine to frame, front—left side					1
83-2849	Distance piece, engine to frame, front—right side					1
14-0254	Bolt, engine to frame, front $(\frac{7}{16}"$ UN.F. $\times 3\frac{1}{2}")$					1
14-1304	Nut, front engine to frame bolt $(\frac{7}{16}"$ UN.F. $\times \cdot 375"$ , self-locking)					1
60-2332	Washer, for nut ( $\cdot 458'' \times \cdot 875'' \times \cdot 048''$ )					1
83-3537	Torque stay, cylinder head to frame					I
14-0126	Bolt, torque stay to frame $(\frac{3}{3}"$ UN.F. $\times \frac{3}{4}")$					1
83-4086	Nut, torque stay bolt					1
60-2331	Washer, plain, for nut ( $\cdot 395'' \times \cdot 750'' \times \cdot 048''$ )					I
60-2419	Washer, spring, for nut ( $\cdot406'' \times \cdot590'' \times \cdot092''$ )					1
00 2117	( usinely spring, for har ( 100 th 200 th 602 )					
	EXHAUST PIPES AND SILENCERS					
71-3506	Exhaust pipe, left side					1
71-3509	Exhaust pipe, right side					1
71-2465	Finned clip, exhaust pipe to cylinder head					2
21-2186	Screw, finned clip (No. 10 $-32$ UN.F. $\times \cdot 88''$ )					2
21-2130	Nut, for screw (No. 10—UN.F., self-locking)				•••	2
70–6857	Exhaust pipe tie			••	• •	2
14-2205	Screw, tie to exhaust pipe $(\frac{4}{4}" \text{ UN.F. } \times \frac{5}{8}")$			••		2
14-1301	Nut, for screw $(\frac{1}{4}''$ UN.F.)					2
70–9888	Coupling pipe (between exhaust pipes)				•••	ĩ
70-7512	Clip, coupling pipe to exhaust pipe		•••		• •	2
10-1012	emp, coupling hipe to exitation hipe	• •	• •	• •		-

Part No.

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Qty.

14-0217	Bolt, coupling pipe clip $(\frac{5}{16}"$ UN.F. $\times 1\frac{1}{4}")$											
14-1202	Nut, coupling pipe clip bolt $(\frac{5}{16}"$ UN.F. $\times \cdot 33"$ , self-locking) 2											
70-3768	Washer, "D" type, for clip bolt											
70-2271	Clip, silencer to exhaust pipe											
14-0219	Bolt, silencer clip $(\frac{5}{16}" \text{ UN.F.} \times 1\frac{1}{2}")$											
14-1302	Nut, for silencer clip bolt $(\frac{5}{16}"$ UN.F. $\times \cdot 29"$ , self-locking) 2											
60-4247	Washer, for clip bolt nut $(\cdot344'' \times \cdot625'' \times \cdot063'')$											
70-3768	Washer, "D" type, for clip bolt											
71-1710	Silencer											
71-3487	Silencer carrier bracket											
14-0101	Bolt, silencer to bracket											
14-1301	Nut, for silencer bracket bolt											
11 1001												
FRONT FORK AND HEADLAMP MOUNTING												
97-4422	FORK ASSEMBLY											
97-4414	Top yoke											
14-0234	Bolt, pinch, top yoke (to clip steering stem) $\left(\frac{3}{8}^{"} \text{ UN.F. } \times 1\frac{3}{4}^{"}\right)$											
14-1303	Nut, for pinch bolt $(\frac{3}{8}"$ UN.F. $\times \cdot 32"$ , self-locking) 1											
60-2331	Washer, for pinch bolt nut $(.395'' \times .750'' \times .048'')$ 1											
82-6738	Lock and key											
02 0750	Key (state and all supplies) for an and											
21-0578	Could account attention loads											
97-2266	Colling angles for such as an											
97-3682												
97-2270												
82-8245												
97-4029												
97-4029												
97-4032 97-4031												
97-4028												
83-2007												
97-4082												
14-0237												
14-1303												
70-8084												
97-4007												
97-4076												
97-4258	End plug (lower end of stanchion)          2       Top nut, stanchion          2											
97-4166	Whether from the most											
97-4011												
97-1510												
97-4406												
97-4417	$\mathbf{T} \mathbf{r} = [1, \dots, \mathbf{k}] + [1, \mathbf{C}] + [1$											
97-4407												
97-4407 97-4203	The diametric sight side											
97-2208												
97-2208	Rubber mounting, headlamp bracket											
97-2209	Rubber buffer, headlamp bracket											
	Backing washer, headlamp bracket											
21-2095	Bolt, headlamp bracket to outer cover											
82-6981	Ignition lock, with two keys											
07 2262	Key (state serial number)											
97-2262	Cover, ignition switch 1											

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82-7994	Grommet plug, ignition switch	 		1
97-0961	Grommet, clutch cable (left headlamp bracket)	 		1
97-4424	OUTER MEMBER, right side	 		1
97-4033	OUTER MEMBER, left side	 		1
97-4433	Cap, wheel spindle, left side	 • •		1
974434	Cap, wheel spindle, right side	 		1
21-2102	Stud, for wheel spindle cap $\left(\frac{5}{10}^{"}$ UN.F./UN.C. $\times 1\frac{7}{8}^{"}\right)$	 		8
14-0302	Nut, for cap stud $(\frac{5}{16}"$ UN.F. $\times \cdot 27"$ )	 		8
60-2428	Washer, spring, for nuts $(\cdot 344'' \times \cdot 600'' \times \cdot 064'')$	 		8
97-4001	Oil seal, fork leg	 		2
97-4420	Torque lug, right side outer member (for brake plate location)	 		1
14-1303	Nut, torque lug $(\frac{3''}{8}$ UN.F. $\times$ ·32'', self-locking)	 		1
60-2340	Washer, torque lug nut ( $\cdot$ 395" × $\cdot$ 875" × $\cdot$ 072")	 		1
97-3894	Drain plug	 		2
97-3893	Washer, for drain plug	 		2
97-3996	Damper tube	 		2
97-4020	Valve, damper	 	• •	2
97-4003	"O" ring, damper valve	 		2
97-4010	Washer, damper valve	 		2
97-4012	Nut, damper valve	 		2
97-4009	Spring, recoil	 		2
14-1019	Screw, socket head (securing damper tube in outer member)	 		2
97-4004	Washer, sealing, for socket screw	 		2
60-2599	Licence holder	 		1

### HANDLEBAR MOUNTINGS AND STEERING DAMPER

97-2291	Handlebar clamp					 		 	· •	2
210589	Bolt, handlebar clamp	( <u>5</u> " UN.F.	$\times 1^{1''}_{B}$	)		 	• •	 		2
82-1335	Washer, for bolt	• •			• •	 ۰.		 • •		2
97-1527	Bush, flexible, handleba	ır clamp				 		 		2
97-1425	Sleeve, handlebar clam	o				 		 • •		4
97-1529	Washer, hemispherical					 		 		4
97-1581	Distance piece					 		 • •		2
97-2271	Cup, handlebar clamp					 		 • •		2
97-1580	Washer, rubber, handle	bar clam	<b>p</b>			 		 		2
14-1303	Nut, handlebar clamp (	3″ UN.F. >	× ·32",	self-lo	ocking)	 		 • •		2
97-3875	Steering damper rod, w	ith knob				 • •		 		1
60–2438	Washer, spring					 • •		 		1
60-2329	Washer, plain					 		 		1
97-0095	Plate, star spring					 		 		1
97–0435	Friction disc					 		 		1
97–1797	Anchor plate					 		 		1
97-4102	Nut, bottom, damper r	od				 		 		1
60–2720	Split pin, for nut $\left(\frac{3}{32}\right)^{"}$ d	ia. $\times \frac{1}{2}$ ")	· •			 		 • •		l

### FRONT WHEEL

37-4168	FRONT WHEEL ASSEMBLY	 		 1
37-4169	FRONT WHEEL ASSEMBLY, LESS BRAKE AND TYRE	 		 1
37-1721	RIM, SPOKES, AND HUB ASSEMBLY	 • •		 1
37-1230	Wheel rim (WM2 $\times$ 19)	 	• •	 1
37-1708	Spoke (outer), right side—(head 80° to spoke)	 		 10

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Qty.

37-1709	Spoke (inner), right side—(head 95° to spoke)					10
37-1328	Spoke, left side (straight, $5\frac{5''}{8}$ )					20
37-4200	Nipple					40
37-1722	Hub, with brake drum					1
37-3460	Cover plate, brake drum					1
37-1198	Balance weight, 1"				as req	uired
37-1197	Balance weight, $\frac{3}{4}$ "				as req	
37-0653	Bearing, wheel (Hoffmann 120, metric)					2
37-1237	Dust cover, left side bearing					1
37-0280	Circlip, left side bearing retaining					1
37-1481	Cap, grease, left side bearing					1
37-3337	Support ring, right side bearing					1
37-0582	Retaining ring (screwed), right side bearing					1
37-4167	Wheel spindle					Î.
37-3461	BRAKE COVER PLATE ASSEMBLY					1
37-2129	Cover plate, with gauze and screws					I
37-1991	Gauze, air scoop					i
21-1998	Screw, gauze to anchor plate $(4'' \times 40'' \text{ UN.C. } \times \frac{3}{8}'')$					3
82-2351	Washer, for gauze screw $(.141'' \times .375'' \times .031'')$					3
37-2026	Abutment pad, cover plate to brake shoe					2
37-2001	Cam, brake operating	•••				2
37-3453	Brake lever, front (bell crank)	•••				1
37-3522	Return spring, front brake lever			• •		1
14-1303	Nut, brake lever to cam spindle $(\frac{3}{8}" \text{ UN.F.} \times \cdot 32")$		• •	• •		2
37-2027	Washer, for cam spindle nut $\left(\frac{1}{32} \times 1\frac{17}{32} \times .092^{\prime\prime}\right)$ .		••	•••	••	2
37-3454	Beele laws and	• •	• •	••	•••	I
37-2003		•••	• •	• •	•••	1
37-2005		•••	• •	•••		1
14-0401		• •	• •	• •	•••	1
60-4252		•••	• •	•••	• •	3
60-2683		•••	• •	•••	•••	3
21-1995	Split pin, for pivot pin $(\frac{1}{16}^{"}$ dia. $\times \frac{3}{8}^{"})$ Nut, brake cover plate to spindle $(\frac{3}{4}^{"}$ dia. $\times$ 20thds UN.E.F.)	••	• •	• •	• •	
37-1995				•••	• •	1
37-1990		••	• •	•••	• •	2
37-1998	Brake shoe lining	•••	•••	••	• •	2
	Rivet, lining to shoe	•••		•••	•••	14
37-0135	Spring, brake shoe	••	••	• •	• •	2
	DEAD W/HEFT					
27 2060	REAR WHEEL ASSEMBLY					
37-3968 37-3849				•••	• •	1
37-3782	REAR WHEEL ASSEMBLY, LESS BRAKE AND TYRE	•••	• •	• •	• •	1
37-3784	RIM, SPOKES, AND HUB ASSEMBLY Rim, wheel (WM3 $\times$ 18)	•••	•••	•••		1
37-3724	Rim, wheel (WM3 $\times$ 18)	•••	• •	•••		1
37-3724		• •	• •	•••		10
	Spoke, left side. (Head angle 71° to spoke; 5.9" overall)	• •	• •	••	•••	10
37-3726	Spoke, right side. (Head angle $135^{\circ}$ to spoke; $7 \cdot 3''$ overall)		• •	• •	• •	20
37-2294	Nipple	••		• •		40
37-3773	Hub and brake drum	•••	••	•••	• •	1
37-3468	Security bolt, for tyre (WM3 $\times$ 18")	•••	••	••		2
37-3985	HUB AND SPINDLE ASSEMBLY	•••	• •	••	• •	1
37-0653	Bearing, wheel (Hoffmann 120, metric)	••	• •	•••		2
37-3749	Support ring, left side bearing	•••	••	••	••	1
37-3752	Retaining ring (screwed)—left side bearing	••	• •	• •	• •	1

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37-3753	Spacer (between bearings)			• •	1
37-1654	Grease retainer, right side bearing	· •	• •	• •	1
37-3751	Driving ring, for speedometer (L.H. thread in hub)		• •	<b>.</b> .	1
37-3750	Distance piece, inner (speedometer gearbox to bearing)		· •		1
60-3213	Speedometer drive gearbox (ratio 1.25/1)				1
37-3746	Distance piece, outer (speedometer gearbox to spindle nut)				I
37-3965	Spindle, wheel				1
14-1307	Nut, wheel spindle $(\frac{5''}{8}$ N.F. $\times$ $\cdot$ 515")				1
83-2266	Washer, wheel spindle nut $\left(\frac{21''}{32} \times 1'' \times .092''\right)$	• •			1
37-3747	Sprocket (47T)				1
14-0207	Bolt, sprocket to hub $(\frac{1}{4}'' \text{ UN F.} \times 2'')$ .				5
14-1301	Nut, for sprocket bolt $(\frac{1}{4}^{"}$ UN.F. $\times \cdot 24^{"}$ , self-locking)				5
60-2320	Washer, for nut ( $\cdot 270'' \times \cdot 562'' \times \cdot 056''$ )				5
37-3878	BRAKE ANCHOR PLATE ASSEMBLY				1
37-3856	Brake anchor plate				1
37-3872	Brake operating cam				1
37-4034	Brake lever				1
14-1303	Nut, brake lever to cam spindle $(\frac{3}{8}'' \text{ UN.F. } \times \cdot 38'', \text{ self-locking})$				1
60-2331	Washer, for nut $(\cdot 395'' \times \cdot 750'' \times \cdot 048'')$				l
37-3870	Brake shoe pivot				1
14-0305	Nut, pivot to torque arm $(\frac{1}{2}^n \text{ UN.F. } \times -44^n)$				1
60-2431	Washer, spring, for nut $(.531'' \times .851'' \times .092'')$				1
37-3925	Brake shoe, with lining and rivets (leading)				1
37-3926	Brake shoe, with lining and rivets (trailing)				1
37-3876	Brake shoe lining	• •		• •	2
37-0129	Rivet, for brake shoe lining		• •		16
37-2328	Spring, brake shoe	••			2
37-4049	Spring, brake lever	• •			L
60-1841	Nipple, lubricator, for cam spindle			• •	1
37-4049	Washer, fibre, for nipple	• •	• •		1
37-3742	Chain adjuster				2
14-0107	Screw, chain adjuster $(\frac{1}{4}"$ UN.F. $\times 1\frac{1}{2}")$				2
14-0301	Nut, for screw $(\frac{1}{4}'' \text{ UN.F.})$	• •	· •		2
83-3082	Cover plate, swinging arm end			. <b>.</b>	2

### FUEL TANK AND TWINSEAT

PETROL TANK, 4 gallons (18 litres)									1
Tie strap (below tank)									1
Bolt, securing tie strap									2
Washer, spring, for bolt									2
Washer, plain, for bolt		· .							2
Tank badge									2
Screw, for tank badge									4
Knee-grip, left side									1
Knee-grip, right side								• •	1
Rubber plug, petrol tank tap									1
Badge, for rubber plug									1
Filler cap, with sealing washer				• •					1
Mounting rubber, front (tank to frame	e top tuł	be)							1
Mounting rubber, rear (tank to frame	top tube	e)							1
	Tie strap (below tank) Bolt, securing tie strap Washer, spring, for bolt Washer, plain, for bolt Tank badge Screw, for tank badge Knee-grip, left side Knee-grip, right side Rubber plug, petrol tank tap Badge, for rubber plug Filler cap, with sealing washer Mounting rubber, front (tank to frame	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltWasher, plain, for boltTank badgeScrew, for tank badgeScrew, for tank badgeKnee-grip, left sideKnee-grip, right sideRubber plug, petrol tank tapBadge, for rubber plugFiller cap, with sealing washerMounting rubber, front (tank to frame top tube)	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideKnee-grip, right sideRubber plug, petrol tank tapFiller cap, with sealing washerMounting rubber, front (tank to frame top tube)	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideRubber plug, petrol tank tapFiller cap, with sealing washer	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideRubber plug, petrol tank tapFiller cap, with sealing washerMounting rubber, front (tank to frame top tube)	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideRubber plug, petrol tank tapFiller cap, with sealing washerMounting rubber, front (tank to frame top tube)	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideRubber plug, petrol tank tapFiller cap, with sealing washerMounting rubber, front (tank to frame top tube)	Tie strap (below tank)Bolt, securing tie strapWasher, spring, for boltWasher, plain, for boltTank badgeScrew, for tank badgeKnee-grip, left sideRubber plug, petrol tank tapBadge, for rubber plugFiller cap, with sealing washer	Tie strap (below tank)

Part No.

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Qty.

60-3538	Mounting rubber securing tape						•••	1
83-4931	Steady rubber (tank to frame side)						• •	2
83-4930	Bolt, tank centre fixing					• •	• •	1
82-9063	Distance tube, tank centre fixing							1
83-4934	Mounting rubber, tank centre fixing				• •	• •		1
14-1202	Nut, tank fixing bolt $(\frac{5}{16}"$ UN.F. $\times$ ·335", self-locking	g)		••				1
82-4299	Washer, for nut			• •				1
83-2800	Petrol tap					• •	• •	1
83-2801	Petrol tap (reserve)		•••				••	1
70-7351	Seal, for petrol tap							2
83-0002	Washer, for tap seal						••	2
83-4887	Petrol pipe assembly			• •		• •	••	1
83-4787	TWINSEAT						•••	1
83-4790	Cover, twinseat						•••	1
83-4802	Hinge, twinseat, front							1
83-4782	Hinge, twinseat, rear				.,			1
14-0101	Bolt, hinge fixing $(\frac{1}{4}'' \text{ UN.F. } \times \frac{1}{2}'')$					• •	•••	4
60-2417	Washer, spring, for bolt ( $\cdot 281'' \times \cdot 425'' \times \cdot 072''$ )							4
82-9093	Rubber buffer, below seat							5
82-7560	Catch plunger							1
82-4228	Spring, catch plunger							1
71-3749	Washer, plain							1
60-2720	Split pin, for plunger, $\frac{1}{32}$ dia. $\times \frac{1}{2}$							1
60-2087	Check wire							1
60-2381	Screw, for check wire—self-tapping							1
00 2001	boron, for one of the opposite							
	AIR CLEANER AND SIDE	PANEL	S					
83-4845	Body, left side						· ·	1
83-4609	Body, right side					· ·	• •	1
60-3539	Screw (joining body halves) $(4BA \times \frac{3}{4})$							2
21-0501	Nut, for screw (4BA $\times$ .167", self-locking)					•••		2
14-0218	Bolt (body to frame) $\left(\frac{5}{16}^{"}$ UN.F. $\times 1\frac{3}{8}^{"}\right)$							2
60-2418	Washer, spring, for bolt ( $\cdot$ 343" × $\cdot$ 503" × $\cdot$ 080")				• •			2
60-4247	Washer, plain, for bolt ( $\cdot$ 344" × $\cdot$ 625" × $\cdot$ 063")							2
14-1202	Nut, for bolt (body to frame) $(\frac{5}{16}"$ UN.F. $\times \cdot 335"$ , se	If-locking	g)	•••				2
83-4807	Cover, left side, air cleaner				• •	• •	• •	1
83-4808	Cover, right side, air cleaner					• •	• •	1
14-0221	Bolt (cover to body $\left(\frac{5}{16}^{"}$ UN.F. $\times 2^{"}\right)$					••		2
82-8245	Retainer, for cover bolt				• •			2
14-0302	Nut, for cover bolt $(\frac{5}{16}"$ UN.F.)							2
60-2438	Washer, double coil, for cover bolt ( $\cdot$ 344" × $\cdot$ 576"	× ·096")						2
60-4153	Bush, rubber, air cleaner cover				• •			2
60-4152	Plug, rubber, air cleaner cover							2 2 2
60-4150	Name plate							2
60-4145	Name plate motif, "Thunderbolt"			• •				2
82-4129	Screw, name plate securing (2 B.A. $\times \frac{1}{2}$ ", countersu	nk head)					• •	4
82-4717	Nut, name plate front securing							2
60-4154	Nut, "Spire", side panel						. ,	2
60-3618	Air filter assembly							1
83-3781	Air intake pipe							2
83-4614	Rubber connector (body to carburetter)							1
60-3975	Clip, rubber connector							2

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83-4854	1 /						Ĺ
83-4803	Side panel, right			• •			1
82-6673	Push side papel rubber						2
14-0102	Bolt, side panel to air cleaner box $(\frac{1}{4}^{"} \text{ UN.F. } \times \frac{5}{8}^{"})$	· •					4
	MUDGUARDS AND TAIL LAMP MOUN	TING					
97–4440	Front mudguardStay, front, front mudguard	• •	• •	• •	••	•••	1
97-4444	Stay, front, front mudguard		· •	• •	· •		1
97-4442	Stay, centre, front mudguard	• •	• •			• •	1
97-4447	Stay, rear, front mudguard	•••				••	1
14-0101	Bolt (stays to mudguard) $(\frac{1}{4}"$ UN.F. $\times \frac{1}{2}"$ )			•••			6
60-4245	Washer, for bolt $(\frac{1}{4}'' \times \frac{5}{16}'' \times \frac{5}{54}'')$		· •				6
14-1201	Nut, for bolt $(\frac{1}{4}'' \text{ UN.F. } \times \cdot 285'', \text{ self-locking})$	••	· •				6
97–4446	Bracket (fork to front and central stays)					• •	2
14-0103	Bolt (bracket to fork) $\left(\frac{1''}{4}$ UN.F. $\times \frac{3''}{4}\right)$						4
60-2427	Washer, spring, for bracket bolt ( $\cdot 281'' \times \cdot 465'' \times \cdot 064''$ )						4
14-0116	Bolt, (bracket to front and centre stays) $\left(\frac{5}{16}^{"} \text{ UN.F. } \times 1^{"}\right)$			•••	••		2
82-4299	Washer for bolt						2
14-1302	Nut, for bolt $(\frac{5}{16}$ " UN.F. $\times$ ·29", self-locking)						2
14-6114	Bolt, (rear stay to fork) $\left(\frac{5}{16}^{"}$ UN.F. $\times \frac{3}{4}^{"}\right)$						2
60-2428	Washer, spring, for bolt $(.344'' \times .600'' \times .064'')$						2
83-4823	Number plate, front				· •		1
57-1076	Screw, number plate			• •			2
71-2448	"O" ring, for screw						2
60-4249	Washer, for screw						2
83-4805	Rear mudguard						1
83-2796	Rear mudguard lower fixing bracket		· •				1
14-0101	Bolt, fixing bracket to mudguard $\left(\frac{1}{4}^{"} \text{ UN.F. } \times \frac{1}{2}^{"}\right)$	• •	. <b>.</b>				2
60-2329	Washer, plain, fixing bracket bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						2
14-1301	Nut, for fixing bracket bolt ( $\frac{1}{4}$ " UN.F. $\times$ -24", self-locking)						2
14-0114	Bolt, mudguard fixing bracket to frame $(\frac{5}{10}"$ UN.F. $\times \frac{3}{4}")$	• •	· •				2
60-2330	Washer, plain, fixing bracket bolt ( $\cdot 333'' \times \cdot 625'' \times \cdot 040''$ )						2
14-1302	Nut, for fixing bracket bolt $\left(\frac{5}{16}^{"}$ UN.F. $\right)$				.,		2
83-4600	Rear mudguard bridge	- •					1
14-0102	Bolt, mudguard to bridge, frameloop and stay $(\frac{1}{4}" \text{ UN.F. } \times \frac{5}{8}")$				<b>.</b> .		6
60-2329	Washer, for mudguard bridge bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						6
14-1301	Nut, for mudguard bridge bolt ( $\frac{1}{4}''$ UN.F. $\times \cdot 24''$ , self-locking)		· •				6
83-4791	Grab hand and support rail assembly						1
83-2726	Rear number plate		••			••	1
14-0101	Bolt, rear number plate fixing $(\frac{1}{4}^{"}$ UN.F. $\times \frac{1}{2}^{"})$						4
60-2329	Washer, for number plate bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						4
14-1301	Nut, for number plate bolt $(\frac{1}{4}^{"}$ UN.F. $\times \cdot 24^{"}$ , self-locking)				.,		4
83-4774	Rear lamp carrier	· .					1
14-1401	Stud, for rear lamp carrier $(\frac{1}{4}'' \text{ UN.C./UN.F.} \times 1'')$	- •					1
14-1301	Nut, for lamp carrier stud ( $\frac{1}{4}$ " UN.F. $\times$ .24", self-locking)	· .					1
60-2329	Washer, for lamp carrier stud ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )					••	1
14-0101	Bolt, rear lamp support plate to mudguard $(\frac{1}{4}'' \text{ UN.F. } \times \frac{1}{2}'')$						4
14-1301	Nut, for lamp support plate bolt ( $\frac{1}{4}$ " UN.F. $\times \cdot 24$ ", self-locking	g)					4
60-2329	Washer, for lamp support plate bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )						4
83-8784	Bracket, rear number plate, top						1
82-6850	Bracket, rear number plate, bottom					• •	1
83-5001	Rear lamp support plate		••			· •	1

Qty.

P	ar	t	No.

Qty.

14-7804	Screw, support pla	to to lor	222 001	mian (1"	UNIC	× .1" re	hessed	head)					1
70-1612	Washer, serrated,					^ 7,10				.,	•••		1
83-4800	Nut, rear lamp to						•••		• •	••	• •		2
83-4806	Protection strip, c.								••	•••		•••	ĩ
60-4103	Grommet, rear lar			-			- •		••	• •	•••		5
	Grommet, mudgu						••	•••	•••	• •	••	••	2
83-5105	Grommet, mudgu	ard rain	o lain	ip carrie	1	••	••	•••	•••	• •		• •	2
	HAN	DLEBA	R, CC	ONTRO	LS A	ND CON	TRO	L CAB	LES				
B.S.A.	AMAL												
97-4300		Handlet	bar									• •	1
600957		TWIST	GRI	P, THR	OTTI	Ε	••	• •					1
	16/328			o half								• •	1
	16/329	BO	DY, I	BOTTO	M HA	ALF				• •			1
	16/008		Frict	ion sprin	ng		• •						1
	16/009		Screy	w, for fr	iction	spring							1
	16/010		Nut	for frict	ion sp	ring				• •			1
60-0598		Hai	ndgrip	, throttl	e			• •	• •				1
	11/013	Scr	ew, se	curing b	ody h	alves		• •					2
97-2142		Han	ndgrip	, left sic	le								1
60-3567						ASSEM	BLY				• •		ł
	12/595	Cla	mp										1
60-3896		Scr	ew, fo	r clamp									2
60-3980		Front b		-									1
60-3981		Clutch I	ever										1
21-2048		Pivot pi	n—br	ake and	clutcl	h levers							2
14-1201						× .44",	self-lo	cking)					2
60-3585						levers							2
60-3586		Lockrin											2
						S, LEFT	SID	E. SEE	PAC	E 28			1
						S, RIGI							1
60-4114	Front brake cable												1
60-0746	Throttle cable											• •	1
60-4194	Air control cable								• •				1
60-3079	Clutch cable												1
97-4112	Handlebar cable c	lip											4
60-2112	TOOL KIT, CON	ADI ETE	2		OL K								1
60-0291	Tool roll				•••	••	•••		• •	• •	•••		1
60-1907	Ring spanner				 /E any	 1 1" A/F			••	•••	•••		1
60-0767	Screwdriver, o								••	••	• •	• •	1
								••		• •	•••	• •	1
60-2184	Spanner, "C"							<i></i>			• •	• •	1
60-1911	Tommy bar					•••				• •	•••		
60-1050	Spanner, spar							• •	• •	• •	•••	•••	I
60-2084	Spanner, dou							••	•••		•••		1
60-3647	Spanner, ring						• •	• •	••	••	• •	• •	1
60-3711	Tommy bar, f						•••	• •	•••	••	••	•••	1
60-0971	Spanner, box						• •		• •	••	• •	• •	1
60-0974	Key, for tyre	valve	••	• •	••		•••		• •	• •	• •	••	1

Note: Where a B.S.A. part number is not quoted, it is replaced by an AMAL part number. In this case application must be made direct to Messrs. AMAL Ltd. (see page 5 for address).

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#### SPEEDOMETER, TACHOMETER AND DRIVE

60-2394	Speedometer (miles per hour scale) (Smith's SSM500	7/00)		••	• •	••	••	1
60-2395	Speedometer (kilometres per hour scale) (Smith's SS	M5007/0	1)			••	· •	1
19-9080	Trip control shaft							1
60-3376	Speedometer driving cable (Smith's DF9111/00)	• •						1
60–2600	Speedometer mounting cup	• •	• •					1
97-4026	Speedometer mounting bracket					· •	• •	1
60-2391	Washer, for speedometer bracket							2
71-2475	TACHOMETER DRIVE GEARBOX ASSEMBLY			· •				1
71–2477	Tachometer gearbox housing	• •		• •				l
70–9332	Screw, housing to crankcase $(\frac{1}{2}^{n}$ UN.F. L.H.)		• •	••		••		1
70-5155	Bush, flanged							1
70-5156	Bush, plain				· •	· ·	<b>.</b> .	1
70-7351	Sealing washer, housing to crankcase			• •		· •	• •	1
70-5157	Driving gear (from camshaft)	• •						1
71-2480	End cap, for driving gear $(\frac{7''}{8} \times 20 \text{ UN.E.F.})$							1
60-3355	"O" ring, for end cap			• •	• •			1
71–2653	Driven gear (to tachometer cable)	• •	• •					]
71-2482	Spacer, for driven gear	• •						1
71-2481	Welch washer, spacer retaining				••			1
60-2396	Tachometer head, ratio 4/1 (Smith's RSM3003/13)						• •	]
60-3933	Tachometer driving cable (Smith's DF9111/00)							1
97-4026	Tachometer mounting bracket						• ·	1
60-2600	Tachometer mounting cup		• •	• •	• •	- •	• •	1
60-2391	Washer, for tachometer bracket						• •	2

### BATTERY CARRIER, COIL AND TOOL TRAY

83-4610	Battery carrier		 		• •		1
82-8091	Battery carrier tray (moulding)		 	• •			1
82-7380	Battery protective strip		 	• •			4
82–9353	Battery retaining strap		 				1
82-9355	Buckle, battery retaining strap		 				1
83-2508	Screw, shouldered, carrier mounting		 				3
82-6039	Bush, rubber, carrier mounting	• •	 		• •		3
14-1301	Nut for shouldered screw ( $\frac{1}{4}''$ UN.FX24", self-locking	g)	 				3
60-2329	Washer, for nut $(\cdot 270'' \times \cdot 562'' \times \cdot 036'')$		 		• •		1
83-4601	Coil and tool tray, combined		 			• •	ł
14-0102	Bolt, coil tray to mudguard $(\frac{1}{4}^{"}$ UN.F. $\times \frac{5}{8}^{"})$ .		 				2
14-1201	Nut, coil tray bolt ( $\frac{1}{4}$ " UN.F. $\times$ -438", self-locking)		 	• •			2
60-2329	Washer, for nut		 				2
21-0778	Nut, for battery carrier bolt (fixed) No. 10–UN.F.		 		• •		1

### ELECTRICAL EQUIPMENT-LAMPS

Lucas		
60512	HEADLAMP COMPLETE (U.K.) TYPE SS700P	ł
60513	HEADLAMP COMPLETE (EUROPEAN) TYPE SS700P	1
553248	Rim 1	1
54525927	Light unit (U.K.)	1
54522680	Light unit (European)	l
	60512 60513 553248 54525927	60512     HEADLAMP COMPLETE (U.K.) TYPE SS700P         60513     HEADLAMP COMPLETE (EUROPEAN) TYPE SS700P         553248     Rim          54525927     Light unit (U.K.)

Note: Where a B.S.A. part number is not quoted, it is replaced by a Lucas part number. In this case application must be made direct to Messrs. Joseph Lucas Ltd. (see page 5, for address).

Part No.

Ach.	Qty.	
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D.C.I						
B.S.A.	Lucas					
	504665	Wire clip, light unit fixing		••		5
	144921	Screw, rim fixing	• •			1
	534296	Plate, rim fixing	••			1
19-1044	370	Bulb, main (U.K.)	• •		• •	1
	410	Bulb, main (European, except France)				1
	411	Bulb, main (France)				1
	554602	Bulb holder, main (U.K.)				1
	553738	Bulb adaptor, main (European)				1
19-1675	989	Bulb, pilot				1
	553780	Bulb holder, interior, pilot				1
	554354	Ring, rubber, pilot bulb holder				1
	54363453	Warning light assembly (amber)				1
	54363454	Warning light assembly (red)				1
	54363455	Warning light assembly (green)				i
	281					3
	54140331		• •	• •	• •	3
			• •	• •	••	
	34419	Switch, lighting		• •	• •	1
	555910	Sleeve terminal, for cable	• •	• •		1
	862217	Grommet, harness	••	•••	• •	1
	54104506	Bolt, securing lamp to fork	• •	• •	• •	2
100 million (100 million)	143086	Washer, for bolt	•••	••	• •	2
97-4124		Distance piece, for bolt	••	• •	• •	2
60-4110	56513	REAR LAMP, TYPE L 917 (less side reflex)	••		• •	1
	54584930	Lens assembly	• •			1
	54584931	Base assembly				1
	573828	Interior assembly				1
	54983924	Gasket				1
	380	Bulb				1
99-1190	56147	DIRECTION INDICATOR LAMPS, TYPE L874				1
99-1191	54581638	Lens assembly				1
	573832	Interior assembly				1
	54580322	Bulb holder assembly				1
	382	Bulb				1
	60600091	Stanchion, front, 5-37" long				2
	60600269	Stanchion, rear 2.4" long				2
14-0404		Nut, stanchion $(\frac{7}{16}"$ UN.F.)				8
37-2332		Washer, plain, for nut				4
37-2331		Washer, shakeproof, for nut			•••	4
70-4144		Rubber cap, stanchion, rear	•••			2
10 4144			••			2
		ELECTRICAL EQUIPMENT				
		CONTACT BREAKER (TYPE 10CA), SEE PAGE 13				1
91-7606		SPARKING PLUG (CHAMPION N3)			• •	2
19-7625			• •	•••	• •	2
60-3924			• •	• •	• •	2
60-3924	45222	Cable, high-tension, resistive	• •	• •	• •	
82-9561	45223	COIL (Type 17M12)	• •	••		2
02-9301	54040011	Grommet, coil mounting	• •		••	2
	54949011	Grommet sleeve, high-tension lead	• •	• •		2

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B.S.A.	Lucas					
	421863	Contact clip, high-tension lead				2
19–1333	39895	HANDLEBAR SWITCH-LEFT SIDE (Type 169SA)				1
19-1337	54033667	Switch, assembly with securing screws				1
99-1215	54340883	Lever body				1
19-1266	39785	HANDLEBAR SWITCH-RIGHT SIDE (Type 169SA)				1
	54033722	Switch assembly, with securing screws				1
	54343793	Lever body				1
99-1201	35048	Flasher (direction indicator) unit. Type 8FL				ī
60-3614	54386637	Spring, flasher unit mounting				i
19-1098	54385091	Spring, flasher unit mounting Clip, flasher unit				t
21-0778		Nut, flasher unit spring to battery carrier (self-locking)				ī
21-2079		Screw flasher unit spring to clip (No. 10–UN.F. $\times \frac{1}{2}$ ).				î
21-0778		Nut, for screw (No. 10–UN.F. self-locking)				1
60-2391		Washer, plain, for nuts $(\cdot 202'' \times \cdot 391'' \times \cdot 032'')$			•••	2
60-3540	70228	Horn (Type 6H, high note)		•••	•••	1
60-3161				••		2
14-0103		Bolt — horn fixing $(\frac{1}{4}" \text{ UN,F.} \times \frac{3}{4}")$		• •		2
60-2347		Washer, for bolt $(.270'' \times .625'' \times .040'')$				4
14-1301		Nut, for bolt $(\frac{1}{4}"$ UN.F. $\times \cdot 245"$ , self-locking)				2
99-1028	34815	Stop-light switch (Type 118SA)				1
60-3550	-	Screw, stop-light switch fixing (self-tapping)		•••		2
97-1388		Washer, for screw		•••		2
19-1775	31899	Ignition switch (Type S45)		•••		1
60-3598	54190096	Lucar blade — for condenser	•••			2
60-3211	54441582	Condenser	•••			2
21-2079		Screw condenser fixing (No. 10–32 UN.F. $\times \frac{1}{2}$ ").				1
60-2391		Screw condenser fixing (No. 10-32 UN.F. $\times \frac{1}{2}^{"}$ ) Washer, plain, for screw ( $\cdot 202^{"} \times \cdot 391^{"} \times \cdot 032^{"}$ )	 , ,	• •	•••	2
21-0778		Nut, for screw (No. $10-32$ UN.F., self-locking)	•••	•••	•••	1
14-0101		Bolt, condenser fixing $(\frac{1}{4}" \text{ UN.F. } \times \frac{1}{2}")$				L I
60-2329		Washer, plain, for bolt ( $\cdot 270'' \times \cdot 562'' \times \cdot 036''$ )				2
14-1201		Nut, for bolt ( $\frac{1}{4}$ " UN.F. $\times$ -44", self-locking)				1
990589	49072				• •	ı I
99-0590	49345		••	••		1
<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	54961593	No. 1	••	•••	••	1
83-4709	51901595	Clip, main harness	• • • •	• •	• •	1
99-0719	54027029	Battery (Type $PU75A$ )	• •		• •	1
82-7431	5402702)	Battery (Type PUZ5A) Battery vent pipe			•••	-
60-4254		Cable clip (6.3." long before bending)			•••	1 15
60-0777		Cable clip $(6\frac{3}{16}"$ long, before bending) Cable clip, rubber	••	• •	••	15
00 0111		Cable clip, rubber		••	• •	2

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