

## SPARES LIST FOR ALL

### 1938 MATCHLESS SIDE VALVE MOTOR CYCLES

38/G7	250 c.c.	SINGLE CYLINDER	COIL	IGNITION.
38/G5	500 c.c.	SINGLE CYLINDER	COIL	IGNITION.
33/X	990 c.c.	TWIN CYLINDER	MAGNETO	IGNITION.

Models G7 and G5 have 26in. x 3.25in. tyres (front and rear). Model

X has 26in. x 3.25in. front, and 27in. x 4.0in. rear tyres.

ADDRESS  
CORRESPONDENCE.

MESSRS. MATCHLESS MOTOR CYCLES  
PLUMSTEAD ROAD  
LONDON, S.E.18.

ADDRESS  
COCDS.

MESSRS. MATCHLESS MOTOR CYCLES  
BURRAGE GROVE  
LONDON, S.E.18.

TELEPHONE: WOOLWICH 1223.

TELEGRAMS: "MATCHLESS-WOL-LONDON."

A SEPARATE SPARES LIST IS ISSUED FOR ALL 1938 OVERHEAD  
VALVE MATCHLESS MOTOR CYCLES. (MODELS G2, G2M, G2MC,

G3, G3C, G4, G50C and G90).

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### 1938 MATCHLESS SIDE VALVE MOTOR CYCLES

38/GT	250 c.c.	SINGLE CYLINDER	COIL	IGNITION.
38/G5	500 c.c.	SINGLE CYLINDER	COIL	IGNITION.
38/X	990 c.c.	TWIN CYLINDER	MAGNETO	IGNITION.

Models GT and G5 have 26in.x3.25in. tyres (front and rear). Model

X has 26in.x3.25in. front, and 27in.x4.00in. rear tyres.

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G3, G3C, G4, G50C and G90).

UNLESS STATED OTHERWISE ONLY ONE OF EACH ITEM IS  
USED ON A MACHINE.

ENGINE SECTION.

AN INCREASE OF TEN PER CENT. WAS MADE IN THE PRICES OF ALL MOTOR CYCLE SPARES ON SEPTEMBER 1st, 1937. THE PRICES IN THIS LIST, SAVE FOR A FEW EXCEPTIONS, ARE ALL SUBJECT TO THAT INCREASE. THE EXCEPTIONS ARE SPECIALLY INDICATED. PLEASE NOTE THE PRICES OF SPARES DO NOT INCLUDE THE COST OF CARRIAGE. SPARES CAN ONLY BE SENT "CARRIAGE FORWARD" BY GOODS TRAIN.

HOW TO ORDER SPARES.

STATE:—

- (1) The Model of the machine.
- (2) The engine number (with the letters forming part of the engine number).
- (3) The frame number.
- (4) The description, or name, of parts required.
- (5) The part numbers of the parts required.
- (6) The quantity of each item that is required.
- (7) Say how you wish the spares to be sent.
- (8) Enclose remittance to cover the cost of the spares and the carriage. (Unless you have a deposit account or wish the goods to be sent C.O.D.) Please Note.—We only send goods by C.O.D. when the total value is five shillings or over.
- (9) Your full name and address. These particulars are best written in block lettering.

Description.	Used on.	Price Each.	Part Number
<b>CYLINDER GROUP.</b>			
		£ s. d.	
Barrel .....	(A) ... G7	... 2 5 0	... 37-G7-E1
Barrel .....	(A) ... G5	... 2 15 0	... 37-9-E1
Barrel, front .....	(A) ... X	... 3 6 0	... 38-X-E1-F
Barrel, rear .....	(A) ... X	... 3 6 0	... 38-X-E1-R
Paper washer, for base .....	... G7	... 2	... 37-G7-E3
Paper washer, for base .....	... G5	... 2	... 37-9-E3
Paper washer, for base (2 off) .....	... X	... 2	... 37-2-E3
Nut, for cylinder base (3 off) .....	... G7	... 2	... STD 3
Nut, for cylinder base, left side (2 off) .....	... G5	... 5	... STD 241
Nut, for cylinder base, right side ... (B) .....	... G6	... 5	... STD 242
Nut, for cylinder base, left side, rear (C) .....	... X	... 5	... CE 197
Nut, for cylinder base, left side (D) (3 off) .....	... X	... 5	... STD 219
Nut, for cylinder base, right side (B) (2 off) .....	... X	... 5	... STD 2
Valve chamber cover .....	... G7 and G5	... 3 9	... 38-G5-E85
Valve chamber cover (2 off) .....	... X	... 3 9	... 38-G5-E85
Cork washer, for cover .....	... G7 and G5	... 2	... 37-9-E5
Cork washer, for cover (2 off) .....	... X	... 2	... 37-9-E5
Screw, fixing cover (2 off) .....	... G7 and G5	... 2	... STD 17
Screw, fixing cover (4 off) .....	... X	... 2	... STD 17
Grease nipple, for valve guide (2 off) .....	... G7 and G5	... 2	... STD 51
Grease nipple, for valve guide (4 off) .....	... X	... 2	... STD 51
Inlet pipe .....	... G7	... 3 0	... 37-G7-E338
Inlet pipe .....	... G5	... 3 6	... 37-9-E338
Inlet pipe .....	... X	... 5 6	... M3E 338
Lock nut, for inlet pipe .....	... G7	... 8	... 37-G7-E340
Lock nut, for inlet pipe .....	... G5	... 9	... L4E 308
Union nut, for inlet pipe (2 off) .....	... X	... 2 0	... M3E 340
Collar, for inlet pipe (2 off) .....	... X	... 10	... M3E 339
(A) Price does not include valve guides (4/- extra with guides).			
(B) These nuts are situated inside the valve chambers.			
(C) This is a double headed nut located on the rear stud on the left hand side for the rear cylinder.			
(D) These nuts are fitted on the left hand side, two for the front cylinder and one for the forward left hand stud for the rear cylinder.			
<b>CYLINDER HEAD GROUP.</b>			
Head .....	... G7	... 17 6	... 38-G7-E2
Head .....	... G5	... 1 2 6	... 38-9-E2
Head, front .....	... X	... 1 2 6	... 38-X-E2
Head, rear .....	... X	... 1 2 6	... 38-X-E2
Gasket, for cylinder head .....	... G7	... 1 0	... 37-G7-F4
Gasket, for cylinder head .....	... G5	... 2 3	... 37-9-E4
Gasket, for cylinder head (2 off) .....	... X	... 2	... XE 1004
Stud, fixing cylinder head (8 off) .....	... G7	... 3	... 37-G7-E72
Stud, fixing cylinder head (9 off) .....	... G5	... 3	... 37-9-E72
Washer, for cylinder head stud (8 off) .....	... G7	... 1	... STD 11
Washer, for cylinder head stud (9 off) .....	... G5	... 1	... STD 10
Nut, for cylinder head stud (8 off) .....	... G7	... 2	... STD 4
Nut, for cylinder head stud (9 off) .....	... G5	... 2	... STD 3
Bolt, fixing cylinder head (14 off) .....	... X	... 7	... STD 411
<b>VALVE GROUP.</b>			
Inlet valve .....	(E) ... G7	... 4 6	... D7E 1706
Inlet valve .....	... G5	... 5 0	... D5E 1506
Inlet valve .....	(F) (2 off) ... X	... 6 0	... M3E 342
Exhaust valve .....	(E) ... G7	... 4 6	... D7E 1706
Exhaust valve .....	... G5	... 5 0	... 37-9-E206
Exhaust valve .....	(F) (2 off) ... X	... 6 0	... M3E 342
Guide, for valve (2 off) .....	... G7	... 2 0	... 37-G7-E148
Guide, for valve (2 off) .....	... G5	... 2 0	... 37-9-E148
Guide, for valve (4 off) .....	... X	... 2 0	... 37-2-E148
Spring for valve (2 off) .....	... G7 and G5	... 1 0	... XE 119
Spring, for valve (4 off) .....	... X	... 1 0	... XE 119
Collar, for valve spring (2 off) .....	... G7 and G5	... 6	... XE 9
Collar, for valve spring (4 off) .....	... X	... 6	... XE 9
Cup, for valve spring (2 off) .....	... G7 and G5	... 1 3	... 37-9-E190
Cup, for valve spring (4 off) .....	... X	... 1 3	... 37-9-E190
Cotter, for valve (2 off) .....	... G7 and G5	... 3	... L3E 250
Cotter, for valve (4 off) .....	... X	... 3	... L3E 250
Valve complete, inlet or exhaust (E.G.) (2 off) .....	... G7	... 6 3	... D7E 1706-A
Valve complete, inlet .....	(G) ... G5	... 6 9	... D5E 1506-A
Valve complete, exhaust .....	(G) ... G5	... 6 9	... 37-9-E206-A
Valve complete, inlet or exhaust (F.G.) (4 off) .....	... X	... 7 9	... M3E 342-A
(E) The inlet and exhaust valves are identical.			
(F) The inlet and exhaust valves are identical.			
(G) "Complete" valve includes: stem, valve spring, valve spring collar and valve cotter.			

Description.	Used on.	Price. Each.	Part Number
<b>PISTON GROUP.</b>			
		£ s. d.	
Piston, bare	(K) ... G7	10 0	D7E 1712
Piston, bare	(L) ... G5	15 0	D5E 712
Piston, bare	(H) (M) ... X	15 0	CE 412
Ring, for piston, 1 1/16" wide	(3 off) ... G7	1 6	DE 11
Ring, for piston, 1 1/16" wide	(3 off) ... G5	1 9	D5E 611
Ring, for piston, 1 1/16" wide	(4 off) ... X	1 9	CE 311
Scraper ring, for piston, 1" wide	(2 off) ... X	2 9	36-2-E111
Gudgeon pin, for piston	... G7	3 3	D2E 1214
Gudgeon pin, for piston	... G5	3 3	D5E 614
Gudgeon pin, for piston	... X	5 0	CE 414
Circlip, for gudgeon pin	... G7 and G5	4 4	STD 750
Circlip, for gudgeon pin	... X	4 4	STD 750
Piston, complete	(J) (K) ... G7	19 3	D7E 1712-A
Piston, complete	(J) (L) ... G5	1 6	D5E 712-A
Piston, complete	(M) (H.J.) ... X	1 9	CE 412-A

(H) Front and rear pistons are identical.  
 (J) "Piston, complete" includes: piston, all rings, gudgeon pin and gudgeon pin circlips.  
 (K) 62.5 m.m. diameter.  
 (L) 82.5 m.m. diameter.  
 (M) 85.5 m.m. diameter.  
 Pistons and rings, .020 in. oversize, to suit re-bored cylinders; are stocked and supplied at no extra charge. When ordering these, clearly specify "OVERSIZE." Cylinders may be re-bored and oversize pistons with rings supplied to suit at an inclusive charge, as under. Note the prices do not include new gudgeon pins and circlips. Carriage is additional.

**STANDARD CHARGES FOR RE-BORING CYLINDERS.**  
 (see above)

Model G7	£1 8 6
Model G5	1 14 6
Model X (per set of 2)	3 2 6

(New gudgeon pins and circlips extra).

Description.	Used on.	Price. Each.	Part Number
<b>FLYWHEEL GROUP.</b>			
Flywheel, bare, timing side	... G7	12 6	37-12-E25
Flywheel, bare, timing side	... G5	12 6	38-G8-E25
Flywheel, bare, timing side	... X	16 9	36-X-E25
Flywheel, bare, driving side	... G7	12 6	37-12-E19
Flywheel, bare, driving side	... G5	12 6	38-G8-E19
Flywheel, bare, driving side	... X	16 0	37-2-E19
Axle, for flywheel, timing side	... G7 and G5	8 0	STD 760
Axle, for flywheel, timing side	... X	8 0	X2E 1126
Axle, for flywheel, driving side	... G7	11 6	37-12-E20
Axle, for flywheel, driving side	... G5	13 6	37-G8-E20
Axle, for flywheel, driving side	... X	12 6	38-X-E20
Key, for timing side flywheel axle	... X	2 2	STD 571
Key, for driving side flywheel axle	... G7, G5 and X	3 3	STD 573
Nut, for timing side flywheel axle	... G7, G5 and X	5 5	STD 230
Nut, for driving side flywheel axle	... G7	7 7	STD 233
Nut, for driving side flywheel axle	... G5	5 5	STD 234
Nut, for driving side flywheel axle	... X	5 5	XF 120
Lock screw, for timing side axle nut	... G7 and G5	1 1	STD 15
<b>TIMING GROUP.</b>			
Inlet camshaft, assembled	... G7 and G5	9 6	37-12-E132
Exhaust camshaft, assembled	... G7 and G5	10 6	FE 531
Camshaft, assembled	... X	1 0	X2F 1033
Timing pinion, on flywheel axle	... G7 and G5	3 0	R4R 1028
Timing pinion, on flywheel axle	... X	4 6	Y3E 1028
Key, for timing pinion	... G7, G5 and X	3 3	STD 570
Nut, retaining timing pinion to axle	... G7 and G5	3 3	STD 221
Nut, retaining timing pinion to axle	... X	5 5	STD 227
Inlet cam lever (2 off)	... X	4 0	M3E 313
Exhaust cam lever, front	... X	4 3	M3E 314
Exhaust cam lever, rear	... X	4 3	M3E 315
Axle, for timing cam lever (2 off)	... X	1 6	X2F 1037
Cam lever front spacer, 39/64"	... X	0 0	X2F 1037
Cam lever and valve lifter spacer, 29/64"	... X	0 0	X2F 1038
Cam lever long front spacer, 25/32"	... X	0 0	X2F 1039
Cam lever short front spacer, 45/64"	... X	0 0	M3E 322
Cam lever long rear spacer, 11/32"	... X	0 0	X2F 1039
Valve lifter lever (2 off)	... X	2 0	M3E 323
Axle, for valve lifter lever (2 off)	... X	1 6	X2E 1035

Description.	Used on.	Price. Each.	Part Number
<b>TAPPET GROUP.</b>			
		£ s. d.	
Inlet tappet, bare	... G7 and G5	2 6	DE 84
Inlet tappet, bare (2 off)	... X	1 4	L3E 222
Exhaust tappet, bare	... G7 and G5	3 3	D5E 2584
Exhaust tappet, bare (2 off)	... X	1 6	M3E 400
Collar, for exhaust tappet	... G7 and G5	1 0	STD 638
Tappet head (2 off)	... G7 and G5	6 6	D5E 1510
Tappet head (4 off)	... X	6 6	L3E 210
Lock nut, for tappet head (2 off)	... G7 and G5	4 4	STD 237
Lock nut, for tappet head (4 off)	... X	4 4	STD 212
Guide, for inlet tappet	... G7 and G5	2 6	D2E 1283
Guide, for inlet tappet (2 off)	... X	1 9	V3E 1083
Guide, for exhaust tappet	... G7 and G5	4 0	D5E 2583
Guide, for exhaust tappet (2 off)	... X	1 9	X2E 1083

Description.	Used on.	Price. Each.	Part Number
<b>CONNECTING ROD GROUP.</b>			
Rod, only, with bushes	(N) ... G7	1 0	D7E 1744
Rod, only, with bushes	(N) ... G5	1 3	37-G8-E44
Rod, only, centre, with bushes	(N) ... X	1 2	CE 416
Rod, only, forked, with bushes	(N) ... X	2 6	MX4E 416
Liner, bare, for big end	(P) ... G7	2 6	L3E 318-A
Liner, bare, for big end	(P) ... G5	4 6	37-G8-E16-A
Liner, bare, for big end, centre rod	(P) ... X	4 0	MX2E 218
Liner, bare, for big end, forked rod (2 off)	... X	5 0	MX4E 418
Bush only for gudgeon pin	... G7	2 6	RE 45
Bush only for gudgeon pin	... G5	2 9	L3E 89
Bush only, for gudgeon pin (2 off)	... X	2 9	L3E 89
Crankpin, bare	... G7	4 9	AE 17
Crankpin, bare	... G5	8 6	37-G8-E17
Crankpin, bare	... X	10 0	36-X-E17
Key, for crankpin	... X	3 3	STD 573
Nut, for crankpin (2 off)	... G7	5 5	STD 230
Nut, for crankpin (2 off)	... G5 and X	7 7	STD 233
Roller, for crankpin	(R) ... G7, G5 and X	2 2	STD 75
Roller, for crankpin, .001" oversize	(R) ... G7, G5 and X	2 2	STD 75-001
Cage, for crankpin rollers	... G5	7 5	37-G8-E18
Cage, for crankpin rollers, centre rod	... X	6 0	MX2E 318
Cage, for crankpin rollers, forked rod (2 off)	... X	5 0	MX4E 618
Washer, for crankpin rollers (2 off)	... G7	9 9	DE 18
Washer, for crankpin rollers (2 off)	... G5	1 0	D8E 1818
Washer, for crankpin rollers (2 off)	... X	2 3	MX4E 518

(N) "Connecting rod" includes: rod, big end liner and gudgeon pin bush.  
 (P) Although we list big end liners as separate spares, we recommend Matchless owners to send the connecting rod to the factory when a new liner is required. This is because liners fitted in the factory have a final "lapping in" operation which ensures the internal bore being accurate.  
 (R) Thirty are required for Models G7 and G5 and fifty-six for Model X.

Description.	Used on.	Price. Each.	Part Number
<b>CRANKCASE GROUP.</b>			
Crankcase, complete	(S) ... G7	4 7 6	38-G7-E108
Crankcase, complete	(S) ... G5	4 7 6	38-9-E108
Crankcase, complete	(S) ... X	5 5 0	38-X-E108
Drain plug, for crankcase	... G7, G5 and X	4 4	STD 575
Plug screw, for oil holes (3 off)	... G7 and G5	1 1	STD 485
Fibre Washer, for oil hole screw (3 off)	... G7 and G5	1 1	STD 203
Timing gear cover, with bushes	... G7 and G5	12 6	FE 432-X
Timing gear cover, with bush	... X	15 6	37-X-E-32
Paper washer, for timing gear cover	... G7 and G5	2 2	37-3-E78
Dowel peg, locating timing cover (2 off)	... G7 and G5	1 1	STD 577
Screw, fixing timing cover (5 off)	... G7 and G5	2 2	STD 482
Screw, fixing timing cover (6 off)	... X	2 2	STD 484
Magneto chain case cover	... X	6 0	37-X-E29
Screw, fixing magneto chain cover (6 off)	... X	2 2	STD 453
Grease nipple, for chain cover	... X	2 2	STD 51
Cap, in timing cover, for exhaust cam bush	... G7 and G5	3 3	STD 765
Stud, for cylinder base (3 off)	... G7	3 3	L3E 64
Stud, for cylinder base (3 off)	... G5	3 3	STD 310
Stud, for cylinder base (6 off)	... X	3 3	STD 311
Ball, for cylinder oil feed valve	... G7 and G5	1 1	STD 21
Ball, for cylinder oil feed valve (2 off)	... X	1 1	STD 21
Plug, for cylinder oil feed valve	... G7 and G5	3 3	STD 576
Plug, for cylinder oil feed valve (2 off)	... X	3 3	STD 576
Spring, for cylinder oil feed valve	... G7 and G5	2 2	STD 701
Spring, for cylinder oil feed valve (2 off)	... X	2 2	H2E 179

(S) "Crankcase, complete" includes: all bronze bushes and cylinder base studs but does not include timing gear and (in the case of Model X) magneto chain covers.  
 Halves of crankcase (Models G7 and G5, £2 3s. 9d., Model X, £2 12s. 6d.), must be matched in the factory. Therefore it is essential to send the SOUND half of a crankcase when ordering a new half.

## EXHAUST PIPE SECTION.

Description.	Used on.	Price.		Part Number.
		£ s. d.		
<b>EXHAUST PIPE GROUP.</b>				
Pipe, only	... G7	... 1	0 0	... 37-G7-E402
Pipe, only	... G5	... 18	6	... 37-9-E402
Pipe, only, front (A)	... X	... 1	0 0	... 37-X-E411-F
Pipe, only, rear (B)	... X	... 11	6	... 37-X-E412-R
Clip, for exhaust pipe	... G7 and G5	... 1	0	... STD 746
Bolt, for exhaust pipe clip	... G7 and G5	... 3	...	... STD 363
Washer, for clip bolt	... G7 and G5	... 1	...	... STD 192
Nut, for clip bolt	... G7 and G5	... 2	...	... STD 4
Stay, for exhaust pipe clip (C)	... G7	... 9	...	... 37-G7-E406
Stay, for exhaust pipe clip (D)	... G5	... 1	0	... 37-8-E406-R
<b>SILENCER GROUP.</b>				
Silencer only	... G7	... 17	6	... 17486
Silencer only	... G5	... 17	6	... 35-G3-E461
Silencer only (2 off)	... X	... 17	6	... 35-G3-E461
Baffle tube, for silencer (2 off)	... X	... 2	9	... 4260
Silencer front clip (E)	... G7, G5 and X	... 1	0	... STD 745
Bolt, for silencer front clip (E)	... G7, G5 and X	... 3	...	... STD 363
Washer, for front clip bolt (E)	... G7, G5 and X	... 1	...	... STD 192
Nut, for silencer front clip bolt (E)	... G7, G5 and X	... 2	...	... STD 4
Clip, for silencer body	... G7	... 1	0	... 16160
Clip, for silencer body (2 off)	... X	... 1	0	... 16160
Bolt, for silencer body clip	... G7	... 3	...	... STD 363
Spacer, for clip bolt (between clips)	... X	... 2	...	... LM 75-R
Spacer, for clip bolt (outside clips)	... X	... 3	...	... 37-X-E471
Washer, for clip bolt (E)	... G7 and X	... 1	...	... STD 174
Nut, for body clip bolt	... G7 and X	... 2	...	... STD 4
Stay, for silencer body clip	... G7	... 6	...	... STD 747
Stay, for silencer body clip	... X	... 1	0	... 37-X-E460
Bolt, fixing stay to fork end	... G7 and X	... 3	...	... STD 363
Washer, for fork end bolt	... G7 and X	... 1	...	... STD 174
Nut, for fork end bolt	... G7 and X	... 2	...	... STD 4
Bolt, for silencer body clip	... X	... 4	...	... 37-X-E470
Clip, for silencer tail pipe	... G5	... 1	0	... STD 746
Bolt, for tail pipe clip	... G5	... 3	...	... STD 363
Washer, for tail pipe clip bolt	... G5	... 1	...	... STD 174
Nut, for tail pipe clip bolt	... G5	... 2	...	... STD 4
Stay, for tail pipe clip	... G5	... 6	...	... STD 747
Bolt, fixing stay to fork end	... G5	... 3	...	... STD 353
Washer, for fork end bolt	... G5	... 1	...	... STD 174
Nut, for fork end bolt	... G5	... 2	...	... STD 4

- (A) The front pipe is supported by the front, bottom, crankcase bolt.  
 (B) The rear pipe is supported by the dynamo square crosshead which projects through the rear engine plate (right side) and the pipe is retained by a nut. (See Dynamo Group in the Electrical Section.)  
 (C) This stay is supported by the bottom, front, crankcase bolt.  
 (D) This stay is supported by the bottom, front, crankcase bolt.  
 (E) Two used on Model X.

ALL ABOVE PRICES ARE SUBJECT TO 10% INCREASE.

## GENUINE MATCHLESS PARTS

purchased from the Factory direct or from an Authorised Dealer, are identical with the parts originally built into your motor cycle. In getting genuine Matchless parts, made by the factory that designed and built your motor cycle, you are assured that they will fit and give you the utmost in satisfactory service.

## CARBURETTER SECTION.

Description.	Used on.	Price.		Part Number.
		£ s. d.		
<b>COMPLETE CARBURETTER GROUP.</b>				
Carburetter, Type 74-011, complete ... (M)	... G7	... 1	16 0	... 74-011-C
Carburetter, Type 76-001, complete ... (M)	... G5	... 1	17 6	... 76-001-C
Carburetter, Type 76-012, complete ... (M)	... X	... 2	3 0	... 76-012-C
(M) The price does not include levers and cables. For control cables, see Control Cable Group in the Frame Section. For control levers, see Handlebar Group in the Frame Section.				
<b>FLOAT CHAMBER GROUP.</b>				
Chamber, only	... G7	... 8	6	... 22-028
Chamber, only	... G5 and X	... 12	0	... 16-154
Plug screw, for passage in chamber	... G5 and X	... 2	...	... 13-153
Fibre washer, for plug screw	... G5 and X	... 1	...	... 14-039
Bolt, holding chamber to mixing body	... G7, G5 and X	... 2	0	... 4-045
Fibre washer, for holding bolt (2 off)	... G7, G5 and X	... 2	...	... 4-053
Top, for float chamber	... G7	... 2	6	... 22-012
Top, for float chamber	... G5 and X	... 2	6	... 14-011
Locking screw, for float chamber top	... G5 and X	... 3	...	... 14-021
Float, only, 1 1/2" diameter	... G7	... 2	6	... 22-016
Float, only, 1 1/2" diameter	... G5 and X	... 2	6	... 14-015
Needle, for float, 2 1/2" long	... G7	... 11	...	... 22-014
Needle, for float, 2 21/32" long	... G5 and X	... 11	...	... 14-024
Tickler plunger, for float chamber top	... G7	... 7	...	... 22-021
Tickler plunger, for float chamber top	... G5 and X	... 7	...	... 14-031
Spring, for tickler plunger	... G7, G5 and X	... 2	...	... 14-032
Cotter pin, for tickler plunger	... G7, G5 and X	... 1	...	... 14-033
<b>MIXING BODY GROUP.</b>				
Body, only	... G7	... 8	0	... 74-011
Body, only	... G5	... 12	0	... 76-001
Body, only	... X	... 12	0	... 76-012
Union nut, for body	... G7	... 1	6	... 4-062
Union nut, for body	... G5 and X	... 1	6	... 6-062
Fibre washer, for union nut	... G7	... 2	...	... 4-040
Fibre washer, for union nut	... G5 and X	... 2	...	... 6-040
Top, for body	... G7	... 1	9	... 4-032
Top, for body	... G5 and X	... 1	9	... 6-032
Ring, fixing top to body	... G7	... 1	9	... 0-431
Ring, fixing top to body	... G5 and X	... 1	9	... 6-031
Clip, locking fixing ring	... G7, G5 and X	... 6	...	... 4-235
Screw, securing locking clip to body	... G7, G5 and X	... 2	...	... 4-241
Clip, fixing body to inlet pipe	... G7	... 1	9	... 4-207
Clip, fixing body to inlet pipe	... G5	... 1	9	... 5-200
Clip, fixing body to inlet pipe	... X	... 1	9	... 6-201
Screw, for body fixing clip	... G7, G5 and X	... 6	...	... 4-048
Cable adjuster (2 off)	... G7, G5 and X	... 4	...	... 4-035
<b>JET GROUP.</b>				
Jet barrel, or choke	... G7	... 5	0	... 4-058
Jet barrel, or choke	... G5	... 5	0	... 6-057
Jet barrel, or choke	... X	... 5	0	... 6-058
Needle jet	... G7, G5 and X	... 1	9	... 4-061
Main jet, size 55	... G7	... 5	...	... 4-042-55
Main jet, size 150	... G5	... 5	...	... 4-042-150
Main jet, size 130	... X	... 5	...	... 4-042-130
Taper needle, for needle jet, 2 1/2" long	... G7	... 1	3	... 4-065
Taper needle, for needle jet, 3 1/16" long	... G5 and X	... 1	3	... 6-065
Clip, for jet taper needle	... G7, G5 and X	... 4	...	... 4-041
Split pin, locating taper needle clip	... G7, G5 and X	... 1	...	... 4-060
Screw, for pilot jet air adjustment	... G7, G5 and X	... 6	...	... 13-129
Lock nut, for pilot jet air screw	... G7, G5 and X	... 2	...	... 16-010
<b>VALVE GROUP.</b>				
Throttle valve, size 4-4	... G7	... 3	10	... 4-052
Throttle valve, size 6-4	... G5 and X	... 3	10	... 6-052
Spring, for throttle valve	... G7, G5 and X	... 3	...	... 4-037
Stop screw, for throttle	... G7, G5 and X	... 6	...	... 4-063
Lock nut, for throttle stop screw	... G7, G5 and X	... 2	...	... 16-010
Air valve	... G7	... 2	6	... 4-045
Air valve	... G5 and X	... 2	6	... 6-045
Tubular guide, for air valve	... G7	... 2	...	... 4-047
Tubular guide, for air valve	... G5 and X	... 2	...	... 6-047
Spring, for air valve	... G7, G5 and X	... 3	...	... 4-046
Air intake	... G7	... 2	6	... 4-038
Air intake	... G5	... 2	6	... 6-038
End plate, for air filter	... X	... 1	6	... 96-001
Spring clip, for air filter	... X	... 3	...	... 96-002
Outlet, with gauze, for air filter	... X	... 4	0	... 96-E
Adaptor, for air filter	... X	... 1	0	... 96-004

For control levers, see Handlebar Group in the Frame Section.  
 For control cables, see Control Cable Group in the Frame Section.

## TRANSMISSION SECTION.

Description.	Used on.	Price each.	Part Number.
<b>ENGINE SPROCKET GROUP.</b>			
		£ s. d.	
Sprocket, only, 16 teeth ..... (A)	... G7 and G5	... 9 6	... 20815-16
Sprocket, only, 17 teeth .....	... G7 and G5	... 9 6	... 20815-17
Sprocket, only, 18 teeth .....	... G7 and G5	... 9 6	... 20815-18
Sprocket, only, 19 teeth ..... (B)	... G7 and G5	... 9 6	... 20815-19
Sprocket, only, 21 teeth ..... (C)	... G7 and G5	... 9 6	... 20815-21
Sprocket, only, 22 teeth ..... (B)	... X	... 10 6	... 37-X-E123-22
Sprocket, only, 24 teeth ..... (C)	... X	... 10 6	... 37-X-E123-24
Distance collar, for sprocket .....	... G7	... 9	... STD 630
Distance collar, for sprocket .....	... G5	... 9	... 35-G3-E124
Distance collar, for sprocket .....	... X	... 6	... 38-2-E308
Shock absorber cam .....	... G7, G5 and X	... 3 9	... STD 830
Spring, for shock absorber .....	... G7	... 1 3	... STD 702
Spring, for shock absorber .....	... G5 and X	... 1 6	... STD 703
Cap washer, for shock absorber spring .....	... G7, G5 and X	... 8	... STD 831
Lock nut, for shock absorber .....	... G7, G5 and X	... 6	... STD 610
<b>MAGNETO SPROCKET GROUP.</b>			
Sprocket, on camshaft .....	... X	... 4 3	... 36-2A-E138
Washer, for camshaft sprocket .....	... X	... 1	... STD 11
Nut, retaining camshaft sprocket .....	... X	... 2	... STD 4
Sprocket, on magneto .....	... X	... 4 3	... 37-X-E38
Washer, for magneto sprocket .....	... X	... 1*	... 1102-1269
Nut, retaining magneto sprocket .....	... X	... 3*	... 868-1036
Models G7 and G5 have Coil Ignition.			
<b>DYNAMO SPROCKET GROUP.</b>			
Sprocket, on dynamo shaft .....	... G7 and G5	... 3 6	... STD 725
Sprocket, on dynamo shaft .....	... X	... 3 6	... 37-X-E288
Key, for dynamo sprocket .....	... G7, G5 and X	... 2	... STD 572
Plain washer, for dynamo sprocket .....	... G7, G5 and X	... 1	... STD 10
Lock washer, for dynamo sprocket .....	... G7, G5 and X	... 2	... STD 164
Lock ring for dynamo sprocket nut .....	... G7, G5 and X	... 1	... STD 708
Nut, retaining dynamo sprocket .....	... G7, G5 and X	... 6	... STD 611
<b>CHAIN GROUP.</b>			
Front chain, 65 links, 1/2"x.305" .....	... G7	... 7 7*	... 110046-65
Front chain, 67 links, 1/2"x.305" .....	... G5	... 7 9*	... 110046-67
Front chain, 73 links, 1/2"x.305" .....	... X	... 8 6*	... 110046-73
Rear chain, 114 links, 1/2"x.305" .....	... G7	... 13 0*	... 110046-114
Rear chain, 91 links, 1/2"x.380" .....	... G5	... 14 8*	... 110056-91
Rear chain, 94 links, 1/2"x.380" .....	... X	... 15 2*	... 110056-94
Magneto chain, 53 links, 1/2"x.225" .....	... X	... 3 5*	... 110036-53
Dynamo chain, 47 links, 1/2"x.225" .....	... G7 and G5	... 3 0*	... 110036-47
Dynamo chain, 59 links, 1/2"x.225" .....	... X	... 3 10*	... 110036-59
Connecting link, for 1/2" chain .....	... G7, G5 and X	... 5*	... 46-26
Connecting link, for 1/2" chain .....	... G5 and X	... 7*	... 56-26
Cranked link, for 1/2" chain .....	... G7, G5 and X	... 5*	... 46-30
Cranked link, for 1/2" chain .....	... G5 and X	... 7*	... 56-30
Spring clip, for 1/2" connecting link .....	... G7, G5 and X	... 1*	... 46-27
Spring clip, for 1/2" connecting link .....	... G5 and X	... 1*	... 55-27
Magneto and dynamo chains are endless. The prices of front and rear chains include connecting links.			
<b>GEAR BOX FIXING BOLT GROUP.</b>			
Top fixing bolt .....	... G7 and G5	... 6	... STD 313
Top fixing bolt .....	... X	... 8	... 37-X-G59
Bottom fixing bolt .....	... G7 and G5	... 6	... STD 312
Bottom fixing bolt .....	... X	... 6	... STD 330
Distance collar, for top fixing bolt .....	... G7 and G5	... 3	... STD 632
Washer, for top fixing bolt ..... (D)	... X	... 1	... STD 9
Nut, for top bolt, left side .....	... G7 and G5	... 3	... STD 2
Nut, for top bolt, right side .....	... G7 and G5	... 3	... STD 2
Nut, extended, for top bolt, right side .....	... G7 and G5	... 1 3	... D&F 859
Nut, extended, for top bolt, right side .....	... X	... 7	... 4375
Nut, for bottom bolt ..... (H) (2 off)	... G7 and G5	... 3	... STD 2
Nut, for bottom bolt ..... (2 off)	... X	... 3	... STD 1
Eye bolt, for front chain adjustment .....	... G7 and G5	... 6	... STD 594
Eye bolt, for front chain adjustment .....	... X	... 1 0	... 4177-2
Nut, for eye bolt ..... (2 off)	... G7 and G5	... 3	... STD 215
Nut, for eye bolt ..... (2 off)	... X	... 5	... STD 517
Crosshead block for eye bolt ..... (K)	... G7 and G5	... 4	... 800 795
Bolt, fixing crosshead to engine plate .....	... G5	... 2	... STD 361
Washer, for crosshead fixing bolt .....	... G5	... 1	... STD 11

THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE H.P. GEAR BOXES HAVING COMPLETELY ENCLOSED CLUTCH OPERATING MECHANISM AS FITTED TO MODEL G7.

(Machines fitted with this gear box have "A" at the end of the engine number.)

- (A) Standard sprocket.  
 (B) Standard sprocket for sidecar use.  
 (C) Standard sprocket for solo use.  
 All engine sprockets have teeth for 1/2in.x.305in. chain. Sprockets for Models G7 and G5 are not interchangeable with those for Model X.

- (D) This washer is located between the outside of the right engine plate and the eye bolt.  
 (E) This nut will fit on all Models G7 and G5, but, as detailed under note F, on some machines a special extended type of nut is used on account of improved accessibility. (This STD 2 nut MUST be used on all Model G5 machines that are fitted with Burman type C.P. gearboxes having completely enclosed clutch operating mechanism and which can be identified by the letter A which forms the final part of the Engine Number).  
 (F) This extended nut is fitted to all Model G7 machines and also to those Model G5 machines that have exposed clutch operating mechanism.  
 (G) This nut is only fitted to machines having exposed clutch operating mechanism. It is replaced by nut STD 1, price 3d., when the gearbox has completely enclosed clutch operating mechanism.  
 (H) This nut will fit all Model G7 and G5 machines, although, on some early 1938 machines a domed nut (Part Number STD 620, price 5d.) was fitted in its place.  
 (J) This eye bolt passes through the square head of frame bolt 37-X-F126. (See note K below).  
 (K) On Model G7 this crosshead block screws on to the rear, centre, crankcase bolt. On Model G5 it is retained to the right side engine plate by bolt STD 361 and washer STD 11. On Model X the crosshead block is an integral part of the top engine plate and frame lug bolt. (See Part Number 37-X-F126 in the Frame Group).

## GEARBOXES.

BURMAN TYPE H.P. GEARBOXES ARE FITTED TO MODEL G7. EARLY 1938 MACHINES HAD GEARBOXES WITH EXPOSED CONTROL TO THE CLUTCH, LATER MACHINES HAD BOXES ON WHICH THE CLUTCH OPERATING MECHANISM IS COMPLETELY ENCLOSED IN THE KICKSTARTER CASES.

BURMAN TYPE C.P. GEARBOXES ARE FITTED TO MODEL G5. EARLY 1938 MACHINES HAD GEARBOXES WITH EXPOSED CONTROL TO THE CLUTCH, LATER MACHINES HAD BOXES ON WHICH THE CLUTCH OPERATING MECHANISM IS COMPLETELY ENCLOSED IN THE KICKSTARTER CASES.

BURMAN TYPE B.A.P. GEARBOXES ARE FITTED TO MODEL X. EARLY 1938 MACHINES HAD GEARBOXES WITH EXPOSED CONTROL TO THE CLUTCH, LATER MACHINES HAD BOXES ON WHICH THE CLUTCH OPERATING MECHANISM IS COMPLETELY ENCLOSED IN THE KICKSTARTER CASES.

CONSEQUENTLY A TOTAL OF SIX DIFFERENT GEARBOXES ARE FITTED TO 1938 SIDE VALVE MATCHLESS MOTOR CYCLES AND, ALTHOUGH MANY PARTS ARE COMMON TO TWO OR MORE BOXES, IN ORDER TO AVOID CONFUSION, WE HAVE LISTED EACH BOX, WITH ITS COMPONENTS, SEPARATELY.

THE CONTRACTION "K.S." IS GENERALLY USED TO DENOTE "KICKSTARTER."

Description.	Used on.	Price. Each.	Part Number
<b>GEAR BOX SHELL GROUP.</b>			
Shell, bare	G7	1 5 0	1-HP-22
Stud, for shell, 1/4" projection (2 off)	G7	6	60-X-1
Stud, for shell, 1 1/2" projection	G7	6	106-H-1
Stud, for shell, 2 1/2" projection	G7	6	60-X-8
Stud, for shell, 2 1/2" projection	G7	6	113-H-1
Nut, for shell stud (5 off)	G7	2	63-X
Distance sleeve, for stud	G7	6	112-H
Cover, for grease aperture in shell	G7	2 0	71-H
Stud, for grease aperture cover (2 off)	G7	6	138-X
Nut, for grease aperture cover stud (2 off)	G7	2	63-X
Grease nipple, for shell	G7	2	245-X-1
Kickstarter case	G7	16 0	2-H-4
Stud, for kickstarter case (2 off)	G7	6	62-X
Nut, for kickstarter case stud (2 off)	G7	2	63-X
Inspection cover, for clutch lever	G7	6	99-H
Stud, for clutch lever cover (2 off)	G7	6	138-X
Nut, for clutch lever cover stud (2 off)	G7	2	63-X
Distance piece, for clutch lever bracket	G7	1 3	101-H
Cover, for kickstarter case	G7	10 0	4-H-1

**BEARING GROUP.**

Ball bearing, for main driving gear... (A)	G7	12 6	267-X
Gland washer, for ball bearing	G7	6	108-H
Locating ring, for ball bearing	G7	6	109-H
Outer washer, for ball bearing	G7	3	110-H
Inner washer, for ball bearing	G7	4	111-H
Spring split ring, retaining outer washer	G7	4	78-X
Ball bearing, for mainshaft (B)	G7	10 0	268-X
Washer, for mainshaft bearing	G7	3	105-H
Bush, for layshaft	G7	3 0	256-X
Peg, locating layshaft bush	G7	1	87-X
Cover, washer, in shell, for layshaft bush	G7	2	205-X

(A) Dimensions: 2 1/2 in. external, 1 3/16 in. internal, 7/16 in. thick.

(B) Dimensions: 35 m.m. external, 15 m.m. internal, 11 m.m. thick.

**GEAR AND SHAFT GROUP.**

Mainshaft, 10 1/2" overall length	G7	1 5 0	11-H-12
Driving gear, with bushes 30 teeth	G7	1 12 6	15-H-6
Bush, only, for driving gear (2 off)	G7	3 0	256-X
Sliding gear, for mainshaft 23 and 26 teeth	G7	1 5 0	14-H
First gear, for mainshaft 17 teeth	G7	10 0	24-H-1
Grease retaining washer, for first gear	G7	1 0	252-X
Layshaft	G7	1 0 0	29-H-3
Small gear, for layshaft 19 teeth	G7	10 0	25-H-2
Third gear, for layshaft 23 teeth	G7	17 6	26-H
Second gear, for layshaft 26 teeth	G7	17 6	27-H
First gear, for layshaft 32 teeth	G7	12 0	28-H-1

**GEAR OPERATING GROUP.**

Bell crank inner lever	G7	8 6	37-H
Spindle, for bell crank lever	G7	2 6	38-H
Plain bush, for bell lever spindle	G7	1 0	39-H
Screw bush, for bell lever spindle	G7	1 0	40-H
Operating block, for bell lever	G7	2 0	89-X
Pawl, for bell lever	G7	2 0	42-H
Bearing screw, for pawl	G7	1 3	94-X
Nut, for bearing screw	G7	4	95-X
Cap, for pawl bearing	G7	2	203-X
Spring, for bell lever pawl	G7	9	193-X-4
Control inner lever	G7	4 0	48-H
Bolt, for control inner lever	G7	1 0	49-H-3
Washer, for inner lever bolt	G7	2	243-X
Trunnion ball, for inner lever	G7	1 6	99-X

All the above gear operating parts are located inside the gearbox shell.

Index ratchet plate, with spindle	G7	7 6	CO-51-8
Quadrant	G7	6 6	CO-53-8
Pawl	G7	1 6	CO-52-6
Pin, for pawl	G7	1	87-X
Spindle, for pawl	G7	3	CO-60-2
Spring for pawl (C)	G7	3	CO-67-2
Cotter pin, for pawl	G7	1	CO-102
Pin, for pawl spring	G7	1	87-X
Bush, for control spindle (in K.S. case)	G7	4 0	CO-54-12
Bush, for control spindle (in K.S. case cover)	G7	2 0	CO-99-2
Main spring, for control (D)	G7	3	CO-66-3
Pin, for main spring	G7	3	CO-98

All the above gear operating parts are located inside the kickstarter case.

(C) This is the smaller of the two scissor springs.

(D) This is the larger of the two scissor springs.

Description.	Used on.	Price. each.	Part Number
<b>GEAR CONTROL GROUP.</b>			
Neutral indicator, small, fixed (E)	G7	3	CO-101-2
Neutral indicator, large, moving (F)	G7	6	CO-97
Nut, retaining moving indicator	G7	2	287-X
Foot control lever (G,H.)	G7	7 6	CO-92-12
Foot control lever assembly (J)	G7	8 4	CO-92-12-A
Rubber, for foot control lever (H)	G7	9	CO-82-2
Pin, fixing foot lever rubber (H)	G7	1	CO-138
Bolt, clamping foot lever	G7	1 3	CO-63-3
Nut, for foot lever clamping bolt	G7	2	10-X

(E) This is fixed to a stud securing the kickstarter case cover.

(F) This fits over the two flats cut on the outside end of the control spindle.

(G) The price does not include rubber, rubber fixing pin, clamping bolt and nut for clamping bolt.

(H) It is usual to supply these parts assembled, ready for use, see item under reference J.

(J) Includes: foot control lever, rubber and rubber fixing pin, but does not include clamping bolt and nut.

**KICKSTARTER GROUP.**

Driving ratchet (K)	G7	4 0	266-X
Ratchet pinion (L)	G7	5 0	102-H
Bush, for ratchet pinion	G7	2 0	264-X
Spring, for ratchet pinion	G7	9	265-X
Nut, retaining ratchet pinion	G7	6	258-X
Spindle, for K.S. quadrant and lever (M)	G7	7 6	198-X-4
Bush, for K.S. spindle (in K.S. case)	G7	2 0	201-X-2
Bush, for K.S. spindle (in K.S. case cover)	G7	2 0	200-X-3
Quadrant, for K.S. spindle (M)	G7	10 6	199-X-4
K.S. spindle and quadrant assembly (N)	G7	18 0	199-X-4-A
Return spring, for kickstarter	G7	2 0	150-X
Pin, for return spring (P)	G7	1	132-X
Stop rubber and sleeve, for quadrant	G7	6	320-X
Peg, for stop rubber and sleeve	G7	6	202-X

All the above parts are inside the kickstarter case.

Kickstart foot lever, bare (R)	G7	10 6	194-X-14
Pedal pin, for foot lever	G7	3 0	115-X-1
Bolt, clamping foot lever to spindle	G7	9	315-X
Spring washer for lever clamping bolt	G7	1	109-X
Nut, for lever clamping bolt	G7	6	144-X

All the above parts are outside the gearbox.

(K) This is a splined fit on the gearbox mainshaft.

(L) This fits on the mainshaft.

(M) It is usual to supply these parts assembled, ready for use, see item under reference N.

(N) Consists of kickstarter spindle and quadrant assembled.

(P) This pin fits in the kickstarter case cover and to it is anchored the outer end of the return spring.

(R) Price does not include the pedal pin. This is 3/- extra.

**FINAL DRIVE GROUP.**

Sprocket, 20 teeth, 1"x.305"	G7	10 0	261-X-8
Distance collar for sprocket	G7	2 6	284-X-6
Nut, retaining sprocket to main gear	G7	1 9	82-X

**CLUTCH GROUP.**

Chainwheel, bare, 40 teeth, 1"x.305" (S)	G7	1 0 0	7-X-14
Buffer plate, for sprocket (S) (4 off)	G7	9	8-X
Rubber buffer, for sprocket (S) (4 off)	G7	2	12-X
Bolt and nut, for buffer plate (S) (4 off)	G7	3	9-X/10-X
Clutch case (for three plate clutch) (S)	G7	12 0	1-X-6
Chainwheel assembly (T)	G7	1 16 8	7-X-14-A
Clutch centre	G7	1 0 0	2-X-14
Roller race, for sprocket bearing	G7	2 0	34-X-2
Rollers, for sprocket bearing, per set (24 off)	G7	3 6	35-X
Thin washer, for sprocket bearing	G7	9	36-X-2
Thick washer, for sprocket bearing	G7	9	36-X-3
Nut, retaining centre to mainshaft	G7	6	69-X
Plain washer, for retaining nut	G7	1	217-X
Spring washer, for retaining nut	G7	1	269-X
Steel plain plate, thick	G7	2 0	6-X
Steel plain plate, thin (3 off)	G7	2 0	5-X
Friction plate, with inserts (3 off)	G7	5 0	3-X-2
Fabric inserts, only (V) per dozen	G7	9	4-X-2
Spring pressure plate	G7	9 0	18-X-5
Adjusting screw, for spring plate	G7	6	100-H
Lock nut, for adjusting screw	G7	6	20-X-4
Steel ball, for adjusting screw	G7	1	67-X-2
Spring, for clutch (4 off)	G7	6	21-X-3
Cup for clutch spring (4 off)	G7	6	22-X

5

Description.	Used on.	Price. each.	Part Number.
Stud, for clutch spring ..... (4 off) ... G7		4	24-X-10
Adjusting nut, for clutch spring ..... (4 off) ... G7		4	23-X
(S) These parts are usually supplied assembled, ready for use, see item under reference T.			
(T) Includes: chainwheel, rubber buffers and plates, and clutch case, assembled.			
(V) Two dozen are required for one clutch plate.			
<b>CLUTCH OPERATING GROUP.</b>			
Thrust rod, 10 31/32" overall length ... G7		1 0	244-X
Bracket for operating lever ..... G7		3 6	3-H-5
Operating lever ..... G7		2 6	103-H
Pin, for operating lever ..... G7		9	104-H
Nut, for operating lever pin ..... G7		2	63-X
For clutch operating levers and cables, see the Handlebar and Control Cable Groups in the Frame Section.			
<b>THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE H.P. GEAR BOXES HAVING EXTERNAL (EXPOSED) CLUTCH OPERATING MECHANISM AS FITTED TO MODEL G7.</b>			
<b>GEAR BOX SHELL GROUP.</b>			
Shell, bare ..... G7	1 5 0		1-HP-13
Stud, for shell ..... (3 off) ... G7		6	60-X
Nut, for shell stud ..... (3 off) ... G7		2	63-X
Cover, for grease aperture in shell ... G7		3	71-X
Stud, for grease aperture cover ..... (2 off) ... G7		6	138-X
Nut, for grease aperture cover stud ... (2 off) ... G7		2	63-X
Kickstarter case, or end plate ..... G7	16 6		2-H-3
Screw securing end plate and cap ... G7		3	64-X
Aluminium cover, for foot change mechanism ... G7	7 6		3-H-4
Stud, securing end plate cap ..... (3 off) ... G7		6	62-X
Nut, for end plate cap stud ..... (3 off) ... G7		2	63-X
Grease nipple, for end plate ..... (2 off) ... G7		2	245-X-1
<b>BEARING GROUP.</b>			
Ball bearing, for main driving gear... (A) ... G7	12 6		267-X
Washer, for ball bearing ..... G7	4		259-X
Spring split ring, retaining washer... G7	4		78-X
Ball bearing, for mainshaft ..... (B) ... G7	10 0		268-X
Washer, for mainshaft bearing ..... G7	3		260-X
Washer, external for mainshaft bearing ... G7	3		254-X
Retaining ring, for mainshaft bearing ... G7	1 0		253-X
Bush, for layshaft ..... (2 off) ... G7	3 0		255-X
Peg, locating layshaft bush ..... (2 off) ... G7	1		87-X
Cover washer, in shell, for layshaft bush ... G7	2		205-X
(A) Dimensions: 2 3/4 in. external, 1 3/16 in. internal, 7/16 in. thick.			
(B) Dimensions: 35 m.m. external, 15 m.m. internal, 11 m.m. thick.			
<b>GEAR AND SHAFT GROUP.</b>			
Mainshaft, 10 1/4" overall length ..... G7	1 5 0		11-H-12
Driving gear, with bushes ..... 30 teeth ... G7	1 12 6		15-H-2
Bush, only, for driving gear ..... (2 off) ... G7	3 0		256-X
Sliding gear, for mainshaft 23 and 26 teeth ... G7	1 5 0		14-H
First gear, for mainshaft ..... 17 teeth ... G7	10 0		24-H
Grease retaining washer, for first gear ... G7	1 0		252-X
Layshaft ..... G7	1 0 0		29-H
Small gear, for layshaft ..... 19 teeth ... G7	10 0		25-H-2
Third gear, for layshaft ..... 23 teeth ... G7	17 6		26-H
Second gear, for layshaft ..... 26 teeth ... G7	17 6		27-H
First gear, for layshaft ..... 32 teeth ... G7	12 0		28-H
<b>GEAR OPERATING GROUP.</b>			
Bell crank inner lever ..... G7	8 6		37-H
Spindle, for bell crank lever ..... G7	2 6		38-H
Plain bush, for bell lever spindle ... G7	1 0		39-H
Screwed bush, for bell lever spindle ... G7	1 0		40-H
Operating block, for bell lever ..... G7	2 0		89-X
Pawl, for bell lever ..... G7	2 0		42-H
Bearing screw, for pawl ..... G7	1 3		94-X
Nut, for bearing screw ..... G7	4		95-X
Cap, for pawl bearing ..... G7	2		203-X
Spring, for bell lever pawl ..... G7	9		193-X-4
Control inner lever ..... G7	4 0		48-H
Bolt, for control inner lever ..... G7	1 0		49-H-3
Washer, for inner lever bolt ..... G7	2		243-X
Trunnion ball, for inner lever ..... G7	1 6		99-X
All the above gear operating parts are located inside the gearbox shell.			
Index ratchet plate, with spindle ... G7	7 9		CO-51-7
Quadrant ..... G7	6 6		CO-53-6
Pawl ..... G7	1 6		CO-52-6
Pin, for pawl ..... G7	1		87-X

Description.	Used on.	Price. Each.	Part Numbr
Spindle, for pawl ..... G7		3	CO-60-2
Spring, for pawl ..... (C) ... G7		3	CO-67-2
Cotter pin, for pawl ..... G7		1	CO-102
Pin, for pawl spring ..... G7		1	87-X
Bush, for control spindle (in K.S. case) ... G7		4 0	CO-54-12
Bush, for control spindle (in K.S. case cover) ... G7		2 0	CO-99
Main spring, for control ..... (D) ... G7		3	CO-66-3
Pin, for main spring ..... G7		3	CO-98

All the above gear operating parts are located inside the kickstarter case.

(C) This is the smaller of the two scissor springs.

(D) This is the larger of the two scissor springs.

**GEAR CONTROL GROUP.**

Neutral indicator, small, fixed ..... (E) ... G7		3	CO-101
Neutral indicator, large, moving ..... (F) ... G7		6	CO-97
Nut, retaining moving indicator ..... G7		2	287-X
Foot control lever ..... (G,H) ... G7		7 6	CO-92-11
Foot control lever assembly ..... (J) ... G7		8 4	CO-92-11-A
Rubber, for foot control lever ..... (H) ... G7		9	CO-82-2
Pin, fixing foot lever rubber ..... (H) ... G7		1	CO-38
Bolt, clamping foot lever ..... G7		1 3	CO-63-3
Nut, for foot lever clamping bolt ... G7		2	10-X

(E) This is fixed to a stud securing the kickstarter case cover.

(F) This fits over the two flats cut on the outside end of the control spindle.

(G) The price does not include rubber, rubber fixing pin, clamping bolt and nut for clamping bolt.

(H) It is usual to supply these parts assembled, ready for use, see item under reference J.

(J) Includes: foot control lever, rubber and rubber fixing pin, but does not include clamping bolt and nut.

**KICKSTARTER GROUP.**

Driving ratchet ..... G7		4 0	266-X
Ratchet pinion ..... G7		5 0	265-X
Bush, for ratchet pinion ..... G7		2 0	264-X
Spring, for ratchet pinion ..... G7		9	266-X
Nut, retaining ratchet pinion ..... G7		4	70-X
Spindle, for kick-start lever (fits in shell) ... G7		4 6	125-X-13
Quadrant, on K.S. lever ..... G7		10 0	118-X
Retaining bush, for K.S. quadrant ... G7		1 6	124-X
Return spring, for kickstarter ..... G7		2 0	130-X
Stop, for K.S. quadrant ..... G7		3	134-X
Bush, for K.S. quadrant stop ..... G7		8	153-X

All the above parts are inside the kickstarter case.

Kick-start foot lever, bare ..... (K) ... G7		9 0	114-X
Pedal pin, for foot lever ..... G7		3 0	115-X-1
Washer, retaining foot lever on spindle ... G7		2	125-X
Cotter pin, retaining foot lever on spindle ... G7		1	127-X
Washer, oil retaining, on foot lever... G7		3	121-X
Grease nipple for foot lever ..... G7		2	245-X
Cover plate, for return spring ..... G7		2 0	128-X
Bolt, retaining spring cover plate ... G7		4	135-X
Washer, for cover plate retaining bolt ... G7		3	136-X
Nut, for cover plate retaining bolt ... G7		4	95-X

(K) The price does not include the pedal pin, quadrant and bush and oil retaining washer. The price of the foot lever with all of these parts is £1 5s. 9d. (this also includes the kickstart spring cover plate).

All the above parts are outside the gearbox.

**FINAL DRIVE GROUP.**

Sprocket, 20 teeth, 1 1/2"x.305" ..... G7		10 0	261-X-8
Distance collar, for sprocket ..... G7		1 0	284-X
Thick washer, for main gear wheel... G7		1 0	253-X
Nut, retaining sprocket to main gear wheel ... G7		1 9	82-X

**CLUTCH GROUP.**

Chainwheel, bare, 40 teeth, 1 1/2"x.305" ... (S) ... G7		1 0 0	7-X-14
Buffer plate, for sprocket ..... (S) (4 off) ... G7		9	8-X
Rubber buffer, for sprocket ..... (S) (4 off) ... G7		12	12-X
Bolt and nut, for buffer plate ... (S) (4 off) ... G7		3	9X/10X
Clutch case (for three plate clutch) ... (S) ... G7		12 0	1-X-6
Chainwheel assembly ..... (T) ... G7		1 16 8	7-X-14-A
Clutch centre ..... G7		1 0 0	2-X-12
Roller race, for sprocket bearing ..... G7		2 0	34-X
Rollers, for sprocket bearing, per set (24 off) ... G7		3 6	35-X
Thin washer, for sprocket bearing ... G7		9	36-X-1
Thick washer, for sprocket bearing ... G7		9	36-X
Nut, retaining centre to mainshaft ... G7		3	69-X
Plain washer, for retaining nut ..... G7		1	217-X
Spring washer, for retaining nut ... G7		1	264-X
Steel plain plate, thick ..... G7		2 0	6-X

6



Description.	Used on.	Price each.			Part Number.
		£	s.	d.	
Steel plain plate, thin (3 off) ... G7		2	0	...	5-X
Friction plate, with inserts (3 off) ... G7		5	0	...	3-X-2
Fabric inserts, only per doz. (V) ... G7		9	0	...	4-X-2
Spring pressure plate ... G7		9	0	...	18-X-5
Adjusting screw, for spring plate ... G7		6	0	...	19-X-5
Lock nut, for adjusting screw ... G7		6	0	...	20-X
Spring for clutch (4 off) ... G7		6	0	...	21-X
Cup, for clutch spring (4 off) ... G7		6	0	...	22-X
Stud, for clutch spring (4 off) ... G7		4	0	...	24-X
Adjusting nut, for clutch spring (4 off) ... G7		4	0	...	23-X

(S) These parts are usually supplied assembled, ready for use, see item under reference T.

(T) Includes: chainwheel, rubber buffers and plates, and clutch case, assembled.

(V) Two dozen are required for one clutch plate.

#### CLUTCH OPERATING GROUP.

Thrust rod, 11 1/8" overall length ... G7		1	0	...	28-X-1
Operating lever ... G7		3	0	...	65-X-3
Pin, for operating lever ... G7		9	0	...	66-X
Nut, for operating lever pin ... G7		2	0	...	63-X

For clutch operating levers and cables, see the Handlebar and Control Cable Groups in the Frame Section.

#### THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE C.P. GEAR BOXES HAVING COMPLETELY ENCLOSED CLUTCH OPERATING MECHANISM AS FITTED TO MODEL G5.

(Machines fitted with this gear box have "A" at the end of the engine number.)

#### GEAR BOX SHELL GROUP.

Shell, bare ... G5		1	10	0	...	1-CP-11
Stud, for shell, 1 1/16" x 5/16" (2 off) ... G5		6	0	...	60-X-6	
Stud, for shell, 3/16" x 5/16" (2 off) ... G5		6	0	...	60-X-7	
Stud, for shell, 1" x 1/4" (2 off) ... G5		6	0	...	60-X-1	
Nut, for 5/16" stud (4 off) ... G5		3	0	...	152-X	
Nut, for 1/2" stud (2 off) ... G5		2	0	...	63-X	
Kickstarter case ... G5		15	0	...	3-C-7	
Stud, for kickstarter case, 2 1/4" x 1/4" (3 off) ... G5		6	0	...	286-X	
Nut, for 1/2" stud ... G5		2	0	...	63-X	
Cover, for kickstarter case ... G5		15	0	...	4-C-8	
Filler cap, for kickstarter case cover ... G5		2	0	...	326-X	

#### BEARING GROUP.

Ball bearing, for main driving gear (A) ... G5		15	0	...	177-X
Gland felt washer, for ball bearing ... G5		6	0	...	112-C
Gland metal washer, dished (B) ... G5		4	0	...	116-C
Split ring, locating bearing shell ... G5		6	0	...	113-C
Gland outer washer, for bearing (C) ... G5		3	0	...	114-C
Spring split ring, retaining outer washer ... G5		4	0	...	80-X
Ball bearing, for mainshaft (D) ... G5		12	6	...	68-X
Metal washer, for mainshaft bearing (E) ... G5		4	0	...	37-1-C-2
Spring split ring, retaining washer ... G5		4	0	...	37-2-C
Bush, for layshaft (2 off) ... G5		4	0	...	181-X
Peg, locating layshaft bush (2 off) ... G5		1	0	...	87-X
Cover washer, in shell, for layshaft bush ... G5		2	0	...	182-X

(A) Dimensions: 2 7/16in. external, 1 9/32in. internal, 5/16in. thick.

(B) Dimensions: 2in. external, 1 9/32in. internal.

(C) Dimensions: 2 7/16in. external, 1 1/8in. internal.

(D) Dimensions: 40 m.m. external, 12 m.m. internal, 12 m.m. thick.

(E) Dimensions: 1 7/16in. external, 1 1/4in. internal.

#### GEAR AND SHAFT GROUP.

Mainshaft, 10 1/2" overall length ... G5		1	5	6	...	10-C-16
Driving gear, with bushes 30 teeth ... G5		1	12	0	...	15-C-6
Bush, only, for driving gear (2 off) ... G5		4	0	...	187-X-3	
Sliding gear, for mainshaft 18 and 23 teeth ... G5		1	10	0	...	14-C-4
Third gear, for mainshaft 27 teeth ... G5		12	6	0	...	24-C-3
Layshaft spindle ... G5		1	0	0	...	30-C-9
Small gear, on layshaft 20 teeth ... G5		10	0	0	...	28-C-3
First gear, on layshaft 32 teeth ... G5		12	6	0	...	27-C-5
Second gear, on layshaft 27 teeth ... G5		12	6	0	...	25-C-5
Third gear, on layshaft 23 teeth ... G5		10	0	0	...	25-C-3
Sliding clutch, for layshaft ... G5		7	6	0	...	29-C-3

NO PRICES ON THIS PAGE ARE SUBJECT TO INCREASE.

#### REPAIRS.

When extensive engine repairs are required, owners of Matchless Motor Cycles are strongly advised to send their engine, or complete machine, to the factory, where a special Repair Department is maintained. It is obvious that the manufacturers are in the best position to undertake repairs of that description.

Description.	Used on.	Price each.			Part Number.	
		£	s.	d.		
<b>GEAR OPERATING GROUP.</b>						
Operating fork, for mainshaft sliding gear ... G5		8	0	...	42-C	
Operating fork, for layshaft sliding gear ... G5		8	0	...	43-C	
Peg, for operating fork (2 off) ... G5		6	0	...	157-X	
Split pin, for operating fork peg (2 off) ... G5		1	0	...	158-X	
Camshaft, bare ... G5		1	5	0	...	45-C-2
Bush, in shell, for camshaft ... G5		2	0	...	159-X	
Pawl (engages in camshaft) ... G5		2	0	...	163-X-2	
Bearing pin, for pawl ... G5		1	3	0	...	164-X
Nut, for pawl bearing pin ... G5		4	0	...	95-X	
Spring, for pawl ... G5		9	0	...	193-X-1	
Screwed plug, for pawl spring ... G5		1	0	...	98-X	

All the above parts are INSIDE the GEARBOX SHELL.

Quadrant (F.J.) ... G5		3	9	...	162-X-3
Sector (G.J.) ... G5		3	9	...	161-X-2
Ratchet (H.J.) ... G5		3	6	...	CO-51-6
Quadrant, sector and ratchet assembly (K) ... G5		11	0	...	CO-51-6-A
Rivet, fixing sector (2 off) (J) ... G5		1	0	...	CO-96-1
Rivet, fixing ratchet (J) ... G5		1	0	...	CO-96-2
Control spindle (W.L.) ... G5		3	6	...	CO-90
Nut (inside), for spindle control (M) ... G5		2	0	...	287-X
Bush, for control spindle (in K.S. case) ... G5		1	0	...	CO-91
Bush, for camshaft (in K.S. case) ... G5		2	0	...	160-X-2
Bollers, for camshaft (12 off) per set ... G5		2	0	...	192-X
Control quadrant (N.S.) ... G5		3	0	...	CO-53-4
Sleeve, for control quadrant (P.S.) ... G5		7	6	...	CO-94
Peg, for operating pawl (R.S.) ... G5		3	0	...	CO-62-1
Quadrant, sleeve and pawl peg assembly (T) ... G5		10	6	...	CO-53-4-A
Bush, for control quadrant sleeve ... G5		5	0	...	CO-54-7
Bolt, fixing quadrant sleeve bush ... G5		1	3	...	CO-95
Indexing rocking pawl ... G5		1	6	...	CO-52-5
Spindle, for indexing pawl ... G5		3	0	...	CO-60-1
Spring box ... G5		5	0	...	CO-49-6
Cover plate, for spring box ... G5		1	0	...	CO-56-4
Main spring, for spring box (X) (2 off) ... G5		6	0	...	CO-66-1
Pawl spring, for spring box (Y) (2 off) ... G5		6	0	...	CO-67-1
Plate, for main spring (2 off) ... G5		2	0	...	CO-59-1
Plate, for pawl spring (2 off) ... G5		2	0	...	CO-58-1

All the above parts are inside the kickstarter case.

(F) This is a flat, forked plate.

(G) This is a segment having teeth cut on its inside edge which engage with the small gear on the camshaft.

(H) This is a ratchet plate with which the indexing pawl engages.

(J) It is usual to supply all these part assembled, ready for use, see item under reference K.

(L) This is the spindle to which the quadrant assembly is fixed by nut 287-X.

(M) This nut retains assembly K to the control spindle.

(N) This is a flat, oval plate having a slot in the narrow end.

(P) This is a sleeve, on one end of which is the control quadrant (reference N) and the other end is splined to accommodate the gear change foot control lever.

(R) This peg is mounted in the narrow end of the control quadrant.

(S) It is usual to supply all these parts assembled ready for use, see item under reference T.

(X) These are the larger of the four springs in the spring box.

(Y) These are the smaller of the four springs in the spring box.

#### GEAR CONTROL GROUP.

Neutral indicator, small, fixed (A) ... G5		3	0	...	CO-97-1
Neutral indicator, large, moving (B) ... G5		6	0	...	CO-97
Nut, retaining moving indicator ... G5		3	0	...	171-X
Foot control lever (C,D) ... G5		7	6	...	CO-92-2
Foot control lever assembly (E) ... G5		8	4	...	CO-92-2-A
Rubber, for foot control lever (D) ... G5		9	0	...	CO-82-2
Pin, fixing foot lever rubber (D) ... G5		1	0	...	CO-38
Bolt, clamping foot lever to sleeve ... G5		1	3	...	CO-63-3
Nut, for foot lever clamping bolt ... G5		2	0	...	10-X

(A) This is fixed to a stud securing the kickstarter case cover.

(B) This fits over the two flats cut on the outside end of the control spindle.

(C) The price does not include rubber, rubber fixing pin, clamping bolt and nut for clamping bolt.

(D) It is usual to supply these parts assembled ready for use, see item under reference E.

(E) Includes: foot control lever, rubber and rubber fixing pin, but does not include clamping bolt and nut.

Description.	Used on.	Price. Each.	Part Number
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**KICKSTARTER GROUP.**

Description.	Used on.	Price. Each.	Part Number
Driving ratchet	(F) ... G5	5 9	186-X
Ratchet pinion	(G) ... G5	8 0	183-X
Bush, for ratchet pinion	... G5	2 6	184-X
Spring, for ratchet pinion	... G5	9	185-X
Nut, retaining ratchet pinion	... G5	4	70-X
Spindle, for K.S. quadrant and lever	(H) ... G5	7 6	198-X-4
Bush, for K.S. spindle (in K.S. case)	... G5	2 0	201-X-2
Bush, for K.S. spindle (in K.S. case cover)	... G5	2 0	200-X-3
Quadrant, for K.S. spindle	(H) ... G5	10 6	199-X-3
K.S. spindle and quadrant assembly	(J) ... G5	18 0	199-X-3-A
Return spring, for kickstarter	... G5	2 0	130-X
Pin, for return spring	(K) ... G5	3	132-X-2
Stop rubber and sleeve, for quadrant	... G5	6	320-X
Peg, for stop rubber and sleeve	... G5	6	202-X

All the above parts are inside the kickstarter case.

Kick start foot lever, bare	(L) ... G5	10 6	194-X-26
Pedal pin, for foot lever	... G5	3 0	115-X
Bolt, clamping foot lever to spindle	... G5	9	315-X
Spring washer, for lever clamping bolt	... G5	1	109-X
Nut, for lever clamping bolt	... G5	6	144-X

All the above parts are outside the gearbox.

- (F) This is a splined fit on the gearbox mainshaft.
- (G) This fits on the mainshaft.
- (H) It is usual to supply these parts assembled ready for use, see item under reference J.
- (J) Consists of kickstarter spindle and quadrant assembled.
- (K) This pin fits in the kickstarter case cover and to it is anchored the outer end of the return spring.
- (L) Price does not include pedal pin (price with pin 13/6).

**FINAL DRIVE GROUP.**

Bear chain sprocket, 16 teeth, 1/8"x.380"	... G5	15 0	179-X-7
Distance collar, for sprocket, 1/16" long	... G5	1 0	180-X-8
Distance washer, for sprocket, 1/16" thick	... G5	4	206-X-2
Collar, under sprocket nut, 1/16" long	... G5	4	206-X-1
Nut, retaining sprocket to main gear	... G5	1 9	176-X

**CLUTCH GROUP.**

Chainwheel, bare, 40 teeth, 1/2"x.305" ... (R)	... G5	1 0 0	7-X-28
Clutch case (four plate) ... (R)	... G5	12 0	1-X-7
Chainwheel rivet ... (R) (8 off)	... G5	1	9-X-3
Chainwheel assembly (four plate) ... (S)	... G5	1 12 8	7-X-A-4
Clutch centre, 1 1/4" (four plate)	... G5	1 0 0	2-X-15
Roller race, for sprocket bearing	... G5	2 0	34-X-2
Rollers, for sprocket bearing, per set (24 off)	... G5	3 6	35-X
Thin washer, for sprocket bearing	... G5	9	36-X-2
Thick washer, for sprocket bearing	... G5	9	36-X-3
Nut, retaining centre to mainshaft	... G5	6	69-X
Plain washer, for retaining nut	... G5	3	71-X
Spring washer, for retaining nut	... G5	3	212-X
Steel plain plate, thick ... (V)	... G5	3 6	6-X-2
Steel plain plate, thin (four plates) ... (4 off)	... G5	2 0	6-X
Friction plate, with inserts (four plate) (4 off)	... G5	5 0	3-X-2
Fabric inserts, only ... per dozen (T)	... G5	9	4-X-2
Spring pressure plate	... G5	9 0	18-X-8
Spring, for clutch ... (4 off)	... G5	6	21-X-5
Cup, for clutch spring ... (4 off)	... G5	6	22-X
Stud, for clutch spring, 1 1/4" (4 plate) (4 off)	... G5	4	24-X-11
Adjusting nut, for clutch spring ... (4 off)	... G5	4	23-X

- (R) These parts are usually supplied assembled ready for use, see items under reference S.
- (S) Includes chainwheel, clutch case and rivets, assembled.
- (T) Two dozen are required for one clutch plate.
- (V) This is the back clutch plate—i.e., it fits next to the chainwheel.

**CLUTCH OPERATING GROUP.**

Thrust rod, 9/16" long (four plate)	... G5	1 0	28-X-4
Operating plunger	... G5	6	330-X
Steel ball, for operating plunger	... G5	1	67-X
Operating lever	... G5	2 0	175-X-4
Pin, or axle, for operating lever	... G5	9	66-X-7
Fork, for operating lever	... G5	1 6	329-X
Sleeve, for operating lever fork ... (W.X.)	... G5	6	331-X
Cap, covering sleeve ... (X)	... G5	1 6	328-X
Screw, fixing cap to K.S. cover ... (X) (2 off)	... G5	4	333-X

- (W) This sleeve has a hexagon head and is revealed by removing the outside cap that is retained to the kickstarter case cover by two screws.
- (X) These parts are outside the kickstarter case cover.

**THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE C.P. GEAR BOXES HAVING EXTERNAL (EXPOSED) CLUTCH OPERATING MECHANISM AS FITTED TO MODEL G5.**

Description.	Used on.	Price each.	Part Num.
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**GEAR BOX SHELL GROUP.**

Description.	Used on.	Price each.	Part Num.
Shell, bare	... G5	1 9 0	1-CP-6
Paper washer, for shell joint	... G5	1	4-1-C
Stud, for shell, 1"x1"	(5 off) ... G5	6	60-X-1
Nut, for 1" stud	(5 off) ... G5	2	63-X
Cover, for grease aperture in shell	... G5	1 0	188-X
Stud, for grease aperture cover	(2 off) ... G5	6	138-X
Nut, for grease aperture cover stud	(2 off) ... G5	2	63-X
Kickstarter case	... G5	16 0	3-C-5
Stud, large, 5/16", for K.S. case	(2 off) ... G5	6	60-X-2
Stud, small, 1/8", long, for K.S. case	(2 off) ... G5	6	62-X
Stud, small, 1/8", short, for K.S. case	(2 off) ... G5	6	173-X
Nut, for large (5/16") stud	(2 off) ... G5	3	152-X
Nut, for small (1/8") stud	(4 off) ... G5	2	63-X
Cover, for kickstarter case	... G5	12 6	4-C-6
Locating piece, for K.S. case cover	... G5	1 0	174-X
Grease nipple, straight	... G5	2	245-X-1
Grease nipple, angular	... G5	2	245-X-2

**BEARING GROUP.**

Ball bearing, for main driving gear ... (A)	... G5	15 0	177-X
Gland washer, for ball bearing	... G5	6	75-X
Split spring ring, retaining gland washer	... G5	4	80-X
Ball bearing, for mainshaft ... (B)	... G5	12 6	68-X
Metal washer, for mainshaft bearing	... G5	6	37-1-C
Split spring ring, retaining washer	... G5	4	37-2-C
Bush, for layshaft	(2 off) ... G5	4 0	181-X
Peg, locating layshaft bush	(2 off) ... G5	1	87-X
Cover washer, in shell, for layshaft bush	... G5	2	182-X

- (A) Dimensions: 2 7/16in. external, 1 9/32in. internal, 5/16in. thick.
- (B) Dimensions: 40 m.m. external, 12 m.m. internal, 12 m.m. thick.

**GEAR AND SHAFT GROUP.**

Mainshaft, 10 1/2" overall length	... G5	1 5 6	10-C-12
Driving gear, with bushes	30 teeth ... G5	1 15 0	15-C-7
Bush, only, for driving gear	(2 off) ... G5	2 0	187-X
Sliding gear, for mainshaft ... 18 and 23 teeth	... G5	1 10 0	14-C-4
Third gear, for mainshaft	27 teeth ... G5	12 6	24-C-3
Layshaft spindle	... G5	1 3 0	30-C-8
Small gear, on layshaft	20 teeth ... G5	10 0	28-C-3
First gear, on layshaft	32 teeth ... G5	12 6	27-C-5
Second gear, on layshaft	27 teeth ... G5	12 6	26-C-5
Third gear, on layshaft	23 teeth ... G5	10 0	25-C-3
Sliding clutch, for layshaft	... G5	7 6	29-C-3

**GEAR OPERATING GROUP.**

Operating fork, for mainshaft sliding gear	... G5	8 0	42-C
Operating fork, for layshaft sliding clutch	... G5	8 0	43-C
Peg, for operating fork	(2 off) ... G5	6	157-X
Split pin, for operating fork peg	(2 off) ... G5	1	158-X
Camshaft, bare	... G5	1 5 0	45-C-2
Bush, in shell, for camshaft	... G5	2 0	159-X
Pawl (engages in camshaft)	... G5	2 0	163-X-2
Bearing pin for pawl	... G5	1 3	164-X
Nut, for pawl bearing pin	... G5	4	95-X
Spring, for pawl	... G5	9	193-X-1
Screw plug, for pawl spring	... G5	1 0	98-X

All the above parts are INSIDE the GEARBOX SHELL.

Quadrant	(F.J.) ... G5	3 9	162-X-3
Sector	(G.J.) ... G5	3 9	161-X-2
Ratchet	(H.J.) ... G5	3 6	CO-51-6
Quadrant, sector and ratchet assembly	(K) ... G5	11 0	CO-51-6-A
Rivet, fixing sector	(J) (2 off) ... G5	1	CO-96-1
Rivet, fixing ratchet	(J) ... G5	1	CO-96-2
Control spindle	(W.L.) ... G5	3 6	CO-90-2
Nut (inshell), for control spindle	(M) ... G5	2	287-X
Bush, for control spindle (in K.S. case)	... G5	1 0	CO-91
Bush, for camshaft (in K.S. case)	... G5	2 0	160-X-2
Rollers, for camshaft	(12 off) per set ... G5	2 0	192-X
Control quadrant	(N.S.) ... G5	3 0	CO-53-4
Sleeve, for control quadrant	(P.S.) ... G5	7 6	CO-94
Peg, for operating pawl	(R.S.) ... G5	3	CO-62-1
Quadrant, sleeve and pawl assembly	(T) ... G5	10 6	CO-53-4-A
Bush, for control quadrant sleeve	... G5	5 0	CO-54-7
Bolt, fixing quadrant sleeve bush	... G5	1 3	CO-95
Indexing rocking pawl	... G5	1 6	CO-52-5
Spindle, for indexing pawl	... G5	3	CO-60-1
Spring box	... G5	5 0	CO-49-5
Cover plate, for spring box	... G5	1 0	CO-56-4

Description.	Used on.	Price Each.	Part Number
		£ s. d.	
Main spring, for spring box ..... (X) (2 off) ... G5		6 ...	CO-66-1
Pawl spring, for spring box ..... (Y) (2 off) ... G5		6 ...	CO-67-1
Plate, for main spring ..... (2 off) ... G5		2 ...	CO-59-1
Plate, for pawl spring ..... (2 off) ... G5		2 ...	CO-58-1

All the above parts are inside the kickstarter case.

- (F) This is a flat, forked plate.  
 (G) This is a segment having teeth cut on its inside edge which engage with the small gear on the camshaft.  
 (H) This is a ratchet plate with which the indexing pawl engages.  
 (J) It is usual to supply all these part assembled, ready for use, see item under reference K.  
 (L) This is the spindle to which the quadrant assembly is fixed by nut 287-X.  
 (M) This nut retains assembly K to the control spindle.  
 (N) This is a flat, oval plate having a slot in the narrow end.  
 (P) This is a sleeve, on one end of which is the control quadrant (reference N) and the other end is splined to accommodate the gear change foot control lever.  
 (R) This peg is mounted in the narrow end of the control quadrant.  
 (S) It is usual to supply all these parts assembled ready for use, see item under reference T.  
 (X) These are the larger of the four springs in the spring box.  
 (Y) These are the smaller of the four springs in the spring box.

#### GEAR CONTROL GROUP.

Neutral indicator, small, fixed ..... (A) ... G5	3 ...	CO-97-1
Neutral indicator, large, moving ..... (B) ... G5	6 ...	CO-97
Nut, retaining moving indicator ..... G5	3 ...	171-X
Foot control lever ..... (C.D.) ... G5	7 6 ...	CO-92-4
Foot control lever assembly ..... (E) ... G5	8 4 ...	CO-92-4-A
Rubber, for foot control lever ..... (D) ... G5	9 ...	CO-82
Pin, fixing foot lever rubber ..... (D) ... G5	1 ...	CO-38
Bolt, clamping foot lever to sleeve ... G5	1 3 ...	CO-63
Nut, for foot lever clamping bolt ... G5	2 ...	10-X

- (A) This is fixed to a stud securing the kickstarter case cover.  
 (B) This fits over the two flats cut on the outside end of the control spindle.  
 (C) The price does not include rubber, rubber fixing pin, clamping bolt and nut for clamping bolt.  
 (D) It is usual to supply these parts assembled ready for use, see item under reference E.  
 (E) Includes: foot control lever, rubber and rubber fixing pin, but does not include clamping bolt and nut.

#### KICKSTARTER GROUP.

Driving ratchet ..... (F) ... G5	5 9 ...	186-X
Ratchet pinion ..... (G) ... G5	8 0 ...	183-X
Bush, for ratchet pinion ..... G5	2 6 ...	184-X
Spring, for ratchet pinion ..... G5	9 ...	185-X
Nut, retaining ratchet pinion ..... G5	4 ...	70-X
Spindle, for K.S. quadrant and lever (H) ... G5	7 6 ...	198-X-3
Bush, for K.S. spindle (in K.S. case) ... G5	2 0 ...	201-X
Bush, for K.S. spindle (in K.S. case cover) ... G5	2 0 ...	200-X-2
Quadrant, for K.S. spindle ..... (H) ... G5	10 6 ...	119-X-1
K.S. spindle and quadrant assembly (J) ... G5	18 0 ...	119-X-1-A
Return spring, for kickstarter ..... G5	2 0 ...	130-X
Pin, for return spring ..... (K) ... G5	1 ...	132-X
Stop rubber, for quadrant ..... G5	3 ...	134-X
Peg, for stop rubber ..... G5	6 ...	202-X
Grease nipple, for K.S. spindle ..... G5	2 ...	245-X-1

All the above parts are inside the kickstarter case.

Kick start foot lever, bare ..... (L) ... G5	7 6 ...	194-X-26
Pedal pin, for foot lever ..... G5	3 0 ...	115-X
Bolt, clamping foot lever to spindle... G5	9 ...	315-X
Spring washer, for lever clamping bolt ... G5	1 ...	109-X
Nut, for lever clamping bolt ..... G5	6 ...	144-X

All the above parts are outside the gearbox.

- (F) This is a splined fit on the gearbox mainshaft.  
 (G) This fits on the mainshaft.  
 (H) It is usual to supply these parts assembled ready for use, see item under reference J.  
 (J) Consists of kickstarter spindle and quadrant assembled.  
 (K) This pin fits in the kickstarter case cover and to it is anchored the outer end of the return spring.  
 (L) Price does not include pedal pin (price with pin 13/6).

Description.	Used on.	Price each.	Part Number.
		£ s. d.	
<b>FINAL DRIVE GROUP.</b>			
Rear chain sprocket, 16 teeth, 1/2"x.380" ... G5		15 0 ...	179-X-7
Distance collar for sprocket ..... G5		1 0 ...	180-X-5
Distance washer, for sprocket ..... G5		1 0 ...	180-X
Washer, under sprocket nut ..... G5		4 ...	178-X
Nut, retaining sprocket to main gear ... G5		1 9 ...	176-X

#### CLUTCH GROUP.

Chainwheel, bare, 40 teeth, 1/2"x.305" ... (R) ... G5	1 0 0 ...	7-X-14
Clutch case ..... (R) ... G5	12 0 ...	1-X-3
Chainwheel rivet ..... (R) (8 off) ... G5	1 ...	9-X-3
Chainwheel assembly ..... (S) ... G5	1 12 8 ...	7-X-A
Clutch centre ..... G5	1 0 0 ...	2-X-12
Roller race, for sprocket bearing ... G5	2 0 ...	34-X-2
Roller, for sprocket bearing, per set... (24 off) ... G5	3 6 ...	35-X
Thin washer, for sprocket bearing ... G5	9 ...	36-X-2
Thick washer, for sprocket bearing ... G5	9 ...	36-X-3
Nut, retaining centre to mainshaft ... G5	6 ...	69-X
Plain washer, for retaining nut ..... G5	5 ...	71-X
Spring washer, for retaining nut ..... G5	3 ...	212-X
Steel plain plate, thick ..... (V) ... G5	3 6 ...	6-X-2
Steel plain plate, thin ..... (4 off) ... G5	2 0 ...	5-X
Friction plate, with inserts ..... (4 off) ... G5	5 0 ...	3-X-2
Fabric inserts, only ..... per doz. (T) ... G5	9 ...	4-X-2
Spring pressure plate ..... G5	9 0 ...	18-X-7
Spring, for clutch ..... (4 off) ... G5	6 ...	21-X-3
Cup, for clutch spring ..... (4 off) ... G5	6 ...	22-X
Stud, for clutch spring ..... (4 off) ... G5	4 ...	24-X-2
Adjusting nut, for clutch spring ... (4 off) ... G5	4 ...	23-X

(R) These parts are usually supplied assembled ready for use, see items under reference S.

(S) Includes chainwheel, clutch case and rivets, assembled.

(T) Two dozen are required for one clutch plate.

(V) This is the back clutch plate—i.e., it fits next to the chainwheel.

#### CLUTCH OPERATING GROUP.

Thrust rod, 1 1/2" long ..... G5	1 0 ...	28-X-1 1/2
Sleeve, for thrust rod ..... G5	1 6 ...	294-X
Adjusting screw, for thrust rod sleeve ... G5	6 ...	293-X
Steel ball, for adjusting screw and sleeve ... G5	1 ...	67-X
Operating lever ..... G5	3 0 ...	175-X-2
Fulcrum pin, for operating lever ... G5	6 ...	66-X-2
Lock plate, for operating lever ..... G5	3 ...	295-X
Bush, for operating lever ..... G5	6 ...	292-X

For clutch operating levers and cables, see the Handlebar and Control Cable Groups in the Frame Section.

THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE B.A.P. GEAR BOXES HAVING COMPLETELY ENCLOSED CLUTCH OPERATING MECHANISM AND FOOT CHANGE CONTROL USED ON MODEL X.

(Engine numbers end with letter "A.")

#### GEAR BOX SHELL GROUP.

Shell, bare ..... X	1 10 0 ...	1-BAP-23
Stud, for shell, 1 1/16"x.5/16" ..... (2 off) ... X	6 ...	60-X-6
Stud, for shell, 1 11/32"x.5/16" ..... X	6 ...	110-BA-1
Stud, for shell, 3 3/16"x.5/16" ..... X	6 ...	60-X-7
Stud, for shell, 3 1/4"x.1/2" ..... X	6 ...	60-X-8
Nut, for 1/2" stud ..... X	2 ...	63-X
Nut, for 5/16" stud ..... (4 off) ... X	3 ...	152-X
Kickstarter case ..... X	15 0 ...	3-BA-16
Stud, for kickstarter case, 2"x.5/16" ... X	6 ...	110-BA-2
Stud, for kickstarter case, 2 1/4"x.1" ... (3 off) ... X	6 ...	286-X
Nut, for 5/16" stud ..... X	3 ...	152-X
Nut, for 1/2" stud ..... (3 off) ... X	2 ...	63-X
Cover, for kickstarter case ..... X	15 0 ...	4-BA-15
Filler cap, for kickstarter case cover ... X	2 0 ...	326-X
Grease nipple, angular, for K.S. case cover ... X	2 ...	245-X-2

Description.	Used on.	Price each.	Part Number.
<b>BEARING GROUP.</b>			
		£ s. d.	
Ball bearing, for main driving gear... (A)	... X	16 6	219-X
Gland metal washer, dished ..... (B)	... X	6	220-X
Gland metal washer, plain ..... (C)	... X	4	221-X
Split ring, locating bearing in shell...	... X	4	79-X
Ball bearing, for mainshaft ..... (D)	... X	12 6	37-BA
Metal washer, for mainshaft bearing (E)	... X	6	37-1-BA
Spring split ring, retaining washer ...	... X	4	37-2-BA
Bush, for layshaft ..... (2 off)	... X	3 0	191-X
Peg, locating layshaft bush ..... (2 off)	... X	2	86-X
Cover washer, in shell, for layshaft bush	... X	3	88-X

- (A) Dimensions: 72 m.m. external, 38 m.m. internal, 17 m.m. thick.  
 (B) Dimensions: 2 53/64in. external, 1 27/32in. internal.  
 (C) Dimensions: 2 1/2in. external, 1 1/2in. internal.  
 (D) Dimensions: 52 m.m. external, 20 m.m. internal, 15 m.m. thick.  
 (E) Dimensions: 2 1/16in. external, 1 1/2in. internal.

<b>GEAR AND SHAFT GROUP.</b>			
Mainshaft, 1 1/2" overall length	... X	1 5 6	10-BA-28
Driving gear, with bushes ..... 33 teeth	... X	15 0	15-BA-13
Bush, only, for driving gear ..... (2 off)	... X	4 0	223-X
Sliding gear, for mainshaft ... 20 and 26 teeth	... X	1 16 0	14-BA-3
Third gear, for mainshaft ..... 30 teeth	... X	15 0	24-BA-3
Layshaft spindle	... X	1 0 0	30-BA-8
Small gear, on layshaft ..... 21 teeth	... X	12 0	28-BA-1
First gear, on layshaft ..... 34 teeth	... X	15 0	27-BA-3
Second gear, on layshaft ..... 28 teeth	... X	15 0	26-BA-3
Third gear, on layshaft ..... 24 teeth	... X	12 0	25-BA-3
Sliding clutch, for layshaft	... X	10 0	29-BA-3

<b>GEAR OPERATING GROUP.</b>			
Operating fork, for mainshaft sliding gear	... X	8 0	42-BA
Operating fork, for layshaft sliding clutch	... X	8 0	43-BA
Peg, for operating fork ..... (2 off)	... X	6	157-X
Split pin, for operating fork peg ..... (2 off)	... X	1	158-X
Camshaft, bare	... X	1 5 0	45-BA-2
Bush, in shell, for camshaft	... X	2 0	159-X
Pawl (engages in camshaft)	... X	2 0	163-Y-2
Bearing pin, for pawl	... X	1 3	164-X
Nut, for pawl bearing pin	... X	4	95-X
Washer, for pawl bearing pin	... X	1	96-X
Spring, for pawl	... X	9	193-X-1
Screwed plug, for pawl spring	... X	1 0	98-X

All the above parts are inside the gearbox shell.

Quadrant ..... (F.J.)	... X	3 9	161-X
Sector ..... (G.J.)	... X	3 9	162-X
Ratchet ..... (H.J.)	... X	3 6	CO-51-6
Quadrant, sector and ratchet assmy. (K)	... X	11 0	CO-51-6-A
Rivet, fixing sector ..... (J) (2 off)	... X	1	CO-96-1
Rivet, fixing ratchet ..... (J)	... X	1	CO-96-2
Control spindle ..... (W.L.)	... X	3 6	CO-90-2
Nut (inside), for control spindle ..... (M)	... X	3	171-X
Bush, for control spindle (in K.S. case)	... X	1 0	CO-91
Bush, for camshaft (in K.S. case) ...	... X	2 0	160-X-2
Rollers, for camshaft ..... (12 off)	... X	2 0	192-X
Control quadrant ..... (N.S.)	... X	3 0	CO-53-4
Sleeve, for control quadrant ..... (P.S.)	... X	7 6	CO-94
Peg, for operating pawl ..... (R.S.)	... X	3	CO-62-1
Quadrant, sleeve and pawl assmy. ... (T)	... X	10 9	CO-53-4-A
Bush, for control quadrant sleeve	... X	6 0	CO-54-7
Bolt, fixing quadrant sleeve bush	... X	1 3	CO-95
Indexing rocking pawl	... X	1 6	CO-52-5
Spindle, for indexing pawl	... X	3	CO-60-1
Spring box	... X	5 0	CO-49-5
Cover plate, for spring box	... X	1 0	CO-56-4
Main spring, for spring box ..... (X) (2 off)	... X	6	CO-66-1
Pawl spring, for spring box ..... (Y) (2 off)	... X	6	CO-67-1
Plate, for main spring ..... (2 off)	... X	2	CO-59-1
Plate, for pawl spring ..... (2 off)	... X	2	CO-58-1

All the above parts inside the kickstarter case.

- (F) This is a flat, forked plate.  
 (G) This is a segment having teeth cut on its inside edge which engage with the small gear on the camshaft.  
 (H) This is a ratchet plate with which the indexing pawl engages.  
 (J) It is usual to supply all these parts assembled, ready for use, see item under reference K.  
 (M) This nut retains assembly K to the control spindle.  
 (L) This is the spindle to which the quadrant assembly is fixed by nut 171-X.  
 (N) This is a flat, oval plate having a slot in the narrow end.

Description.	Used on.	Price each.	Part Number.
<b>GEAR CONTROL GROUP.</b>			
		£ s. d.	
Neutral indicator, small, fixed ..... (A)	... X	3	CO-97-1
Neutral indicator, large, moving ..... (B)	... X	6	CO-97
Nut, retaining moving indicator	... X	3	171-X
Foot control lever ..... (C.D.)	... X	7 6	CO-92-4
Foot control lever assembly ..... (E)	... X	8 4	CO-92-4-A
Rubber, for foot control lever ..... (D)	... X	9	CO-82-2
Pin, fixing foot lever rubber ..... (D)	... X	1	CO-38
Bolt, clamping foot lever to sleeve ...	... X	1 3	CO-63-3
Nut, for foot lever clamping bolt ...	... X	2	10-X

- (P) This is a sleeve, on one end of which is the control quadrant (reference N) and the other end is splined to accommodate the gear change foot control lever.  
 (R) This peg is mounted in the narrow end of the control quadrant.  
 (S) It is usual to supply all these parts assembled, ready for use, see item under reference T.  
 (X) These are the larger of the four springs in the spring box.  
 (Y) These are the smaller of the four springs in the spring box.
- (A) This is fixed to a stud securing the kickstarter case cover.  
 (B) This fits over the two flats cut on the outside end of the control spindle.  
 (C) The price does not include rubber, rubber fixing pin, clamping bolt and nut for clamping bolt.  
 (D) It is usual to supply these parts assembled, ready for use, see item under reference E.  
 (E) Includes: foot control lever, rubber and rubber fixing pin, but does not include clamping bolt and nut.

<b>KICKSTARTER GROUP.</b>			
Driving ratchet ..... (F)	... X	5 9	41-BA
Ratchet pinion ..... (G)	... X	8 0	38-BA-1
Bush, for ratchet pinion	... X	2 9	39-BA
Spring, for ratchet pinion	... X	9	40-BA
Nut, retaining ratchet pinion	... X	6	69-X
Spindle, for K.S. quadrant and lever (H)	... X	7 6	198-X-4
Bush, for K.S. spindle (in K.S. case) ...	... X	2 0	201-X-2
Bush, for K.S. spindle (in K.S. case cover)	... X	2 0	200-X-3
Quadrant, for K.S. spindle ..... (H)	... X	10 6	199-X-3
K.S. spindle and quadrant assembly (J)	... X	18 0	199-X-3-A
Return spring, for kickstarter	... X	2 0	130-X
Pin, for return spring	... X	1	132-X
Stop rubber and sleeve, for quadrant	... X	6	320-X
Peg, for stop rubber and sleeve	... X	6	202-X-1

All the above parts are inside the kickstarter case.

Kick start foot lever, bare ..... (L)	... X	10 6	194-X-14
Pedal pin, for foot lever	... X	4 6	115-X-2
Nut, fixing pedal pin	... X	6	103-X
Washer, for pedal pin nut	... X	3	147-X
Spring washer, for pedal pin nut	... X	3	214-X
Bolt, clamping foot lever to spindle ...	... X	9	315-X
Spring washer, for foot lever clamping bolt	... X	1	109-X
Nut, for lever clamping bolt	... X	6	144-X

All the above parts are outside the gearbox.

- (F) This is a splined fit on the gearbox mainshaft.  
 (G) This fits on the mainshaft.  
 (H) It is usual to supply these parts assembled, ready for use, see item under reference J.  
 (J) Consists of kickstarter spindle and quadrant, assembled.  
 (K) This pin fits in the kickstarter case cover and to it is anchored the outer end of the return spring.  
 (L) Price does not include pedal pin (price with pin 15/9).

<b>FINAL DRIVE GROUP.</b>			
Rear chain sprocket, 17 teeth, 1"x.380"	... X	15 0	22-BA-4
Distance collar, for sprocket, 23/32" long	... X	1 6	23-BA-1
Nut, retaining sprocket to main gear	... X	1 9	218-X

NO PRICES ON THIS PAGE ARE SUBJECT TO INCREASE.

If in difficulty with your  
**MATCHLESS MOTOR CYCLE**  
 write to the Service Department for assistance.

Description.	Used on.	Price. Each.	Part Number
<b>CLUTCH GROUP.</b>			
		£ s. d.	
Chainwheel, bare, 43 teeth, 1/2"x.305" ... (R)	... X	... 1 0 0	... 342-X
Centre, for chainwheel ... (R)	... X	... 5 0	... 338-X
Rivet, for chainwheel centre ... (R) (6 off)	... X	... 1	... 319-X
Chainwheel assembly ... (S)	... X	... 1 5 6	... 342-X-A
Clutch case	... X	... 13 0	... 343-X
Bolt, fixing clutch case ... (6 off)	... X	... 3	... 312-X
Tab washers, for clutch case bolts ... (3 off)	... X	... 4	... 339-X
Clutch centre	... X	... 1 0 0	... 341-X
Spacing collar, for clutch centre ... (T)	... X	... 6	... 336-X
Spacing washer, for clutch centre ... (V)	... X	... 4	... 340-X
Roller race, for sprocket bearing ...	... X	... 2 0	... 337-X
Rollers, for sprocket bearing per set ... (21 off)	... X	... 3	... 35-X-2
Washer, for sprocket bearing ... (2 off)	... X	... 9	... 344-X
Nut, retaining centre to mainshaft ...	... X	... 6	... 69-X
Plain washer, for retaining nut ...	... X	... 3	... 71-X
Spring washer, for retaining nut ...	... X	... 3	... 212-X
Steel plain plate ... (4 off)	... X	... 2 6	... 6-X-5
Friction plate, with inserts ... (3 off)	... X	... 5 6	... 3-X-4
Fabric inserts, only, per thirty ... (W) (90 off)	... X	... 2 0	... 4-X-4
Spring pressure plate	... X	... 8 0	... 314-X
Spring for clutch ... (5 off)	... X	... 6	... 21-X-3
Cup, for clutch spring ... (5 off)	... X	... 6	... 22-X-2
Stud, for clutch spring ... (X) (5 off)	... X	... 6	... 345-X
Adjusting nut, for clutch spring ... (5 off)	... X	... 4	... 25-X-3

(R) These parts are usually supplied assembled, ready for use, see item under reference S.

(S) Includes: chainwheel and chainwheel centre rivetted together.

(T) Dimensions: 7.16in. long.

(V) Dimensions: 2 13/16in. external, 13/16in. internal.

(W) Thirty required for one plate.

(X) Dimensions: 2 5/16in. overall length.

#### CLUTCH OPERATING GROUP.

Thrust rod, 12" long	... X	... 1 0	... 28-X-12
Operating plunger	... X	... 6	... 330-X
Steel ball, for operating plunger	... X	... 1	... 67-X
Operating lever	... X	... 2 0	... 175-X-4
Pin, or axle, for operating lever	... X	... 9	... 66-X-7
Fork, for operating lever	... X	... 1 6	... 329-X
Sleeve, for operating lever fork ... (Y,Z.)	... X	... 6	... 331-X
Cap, covering sleeve ... (Z)	... X	... 1 6	... 328-X
Screw, fixing cap to K.S. cover ... (Z) (2 off)	... X	... 4	... 333-X

(Y) This sleeve has a hexagon head and is revealed by removing the outside cap that is retained to the kickstarter case cover by two screws.

(Z) These parts are outside the kickstarter cover. For clutch operating levers and cables, see the Handlebar and Control Cable Groups in the Frame Section.

THE FOLLOWING PARTS ONLY REFER TO THE BURMAN TYPE B.A.P. GEAR BOXES HAVING EXPOSED CLUTCH OPERATING MECHANISM AND FOOT GEAR CONTROL USED ON MODEL X.

#### GEAR BOX SHELL GROUP.

Shell, bare	... X	... 1 10 0	... 1-BPA-14
Stud, for shell, 29/32"x1" ... (5 off)	... X	... 6	... 60-X
Nut, for shell stud ... (5 off)	... X	... 2	... 63-X
Cover, for grease aperture, in shell ...	... X	... 1 0	... 188-X
Stud, 1/2"x1", for aperture cover ... (2 off)	... X	... 6	... 138-X
Nut, for aperture cover stud ... (2 off)	... X	... 2	... 63-X
Kickstarter case	... X	... 15 0	... 3-BA-12
Stud, for kickstarter case ... (A) (2 off)	... X	... 6	... 4-2-BA
Stud, for kickstarter case ... (B) (2 off)	... X	... 6	... 173-X-1
Stud, for kickstarter case ... (C) (2 off)	... X	... 6	... 173-X-2
Nut, for 5/16" K.S. case stud ... (2 off)	... X	... 3	... 152-X
Nut, for 1" K.S. case stud ... (4 off)	... X	... 2	... 63-X
Cover, for kickstarter case	... X	... 15 0	... 4-BA-11
Locating piece, for K.S. case cover ...	... X	... 1 0	... 172-X
Grease nipple, straight ... (2 off)	... X	... 2	... 245-X-1
Grease nipple, angular	... X	... 2	... 245-X-2
Washer, for bottom straight nipple ...	... X	... 1	... 245-1-X
Plug, in bottom of K.S. case cover ...	... X	... 1 0	... 155-X
Screw, in side of K.S. case cover ...	... X	... 1	... 156-X

(A) Dimensions: 1 13/16in.x5/16in.

(B) Dimensions: 1 7/16in.x1/4in.

(C) Dimensions: 1 3/4in.x1/4in.

Description.	Used on.	Price. Each.	Part Number
<b>BEARING GROUP.</b>			
		£ s. d.	
Ball bearing, for main driving gear (D)	... X	... 16 6	... 219-X
Gland washer, dished, for ball bearing (E)	... X	... 6	... 220-X
Gland washer, flat, for ball bearing (F)	... X	... 4	... 221-X
Split spring ring, retaining gland washer	... X	... 4	... 79-X
Ball bearing, for mainshaft ... (G)	... X	... 12 6	... 37-BA
Washer, for mainshaft bearing ... (H)	... X	... 6	... 37-1-BA
Split spring ring, retaining washer ...	... X	... 4	... 37-2-BA
Bush, for layshaft ... (2 off)	... X	... 3 0	... 191-X
Peg, locating layshaft bush ... (2 off)	... X	... 2	... 86-X
Cover washer, in shell, for layshaft bush	... X	... 3	... 88-X

(D) Dimensions: 72 m.m. external, 38 m.m. internal, 17 m.m. thick.

(E) Dimensions: 2 53/64in. external, 1 27/32in. internal.

(F) Dimensions: 2 1/4in. external, 1 1/4in. internal.

(G) Dimensions: 52 m.m. external, 20 m.m. internal, 15 m.m. thick.

(H) Dimensions: 2 1/16in. external, 1 1/4in. internal.

#### GEAR AND SHAFT GROUP.

Mainshaft, 11 1/2" overall length	... X	... 1 5 6	... 10-BA-7
Driving gear, with bushes, 33 teeth	... X	... 1 15 0	... 15-BA-13
Bush, only, for driving gear ... (2 off)	... X	... 4 0	... 225-X
Sliding gear, for mainshaft, 20 and 26 teeth	... X	... 1 16 0	... 14-BA-3
Third gear, for mainshaft, 30 teeth	... X	... 15 0	... 24-BA-3
Layshaft spindle	... X	... 1 5 0	... 30-BA-9
Small gear, on layshaft, 21 teeth	... X	... 12 0	... 28-BA-1
First gear, on layshaft, 34 teeth	... X	... 15 0	... 27-BA-3
Second gear, on layshaft, 28 teeth	... X	... 15 0	... 26-BA-3
Third gear, on layshaft, 24 teeth	... X	... 12 0	... 25-BA-3
Sliding clutch, for layshaft	... X	... 10 0	... 29-BA-3

#### GEAR OPERATING GROUP.

Operating fork, for mainshaft sliding gear	... X	... 8 0	... 42-BA
Operating fork, for layshaft sliding clutch	... X	... 8 0	... 43-BA
Peg, for operating fork ... (2 off)	... X	... 6	... 157-X
Split pin, for operating fork peg ... (2 off)	... X	... 1	... 158-X
Camshaft, bare	... X	... 1 5 0	... 45-BA-2
Bush, in shell, for camshaft	... X	... 2 0	... 159-X
Pawl (engages in camshaft)	... X	... 2 0	... 163-X-2
Bearing pin, for pawl	... X	... 1 3	... 164-X
Washer, for pawl bearing pin	... X	... 1	... 95-X
Nut, for pawl bearing pin	... X	... 4	... 95-X
Spring, for pawl	... X	... 9	... 193-X-1
Screwed plug, for pawl spring	... X	... 1 0	... 98-X

All the above parts are inside the gearbox shell.

Kick-start foot lever, bare ... (L)	... X	... 10 6	... 194-X-13
Pedal pin, for foot lever	... X	... 4 6	... 115-X-2
Nut, fixing pedal pin	... X	... 6	... 105-X
Washer, for pedal pin nut	... X	... 3	... 147-X
Spring washer, for pedal pin nut	... X	... 3	... 214-X
Bolt, clamping foot lever to spindle	... X	... 9	... 315-X
Washer, for lever clamping bolt	... X	... 1	... 104-X
Nut, for lever clamping bolt	... X	... 6	... 144-X

All the above parts are outside the gearbox.

(F) This is a splined fit on the gearbox mainshaft.

(G) This fits on the mainshaft.

(H) It is usual to supply these parts assembled, ready for use, see item under reference J.

(J) Consists of kickstarter spindle and quadrant assembled.

(K) This pin fits in the kickstarter case cover and to it is anchored the outer end of the return spring.

(L) Price does not include pedal pin (price with pin 15/9).

#### FINAL DRIVE GROUP.

Rear chain sprocket, 17 teeth, 1/2"x.380"	... X	... 15 0	... 22-BA-4
Distance collar, for sprocket	... X	... 1 6	... 23-BA-9
Nut, retaining sprocket to main gear	... X	... 1 9	... 218-X

NO PRICES ON THIS PAGE ARE SUBJECT TO INCREASE.

BEFORE ORDERING SPARES PLEASE READ PAGE 2.

Description.	Used on.	Price each.	Part Number.
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### CLUTCH GROUP.

This is exactly the same as for the Box with completely enclosed clutch operating mechanism as listed on Page ?

#### CLUTCH OPERATING GROUP.

Description.	Used on.	Price each.	Part Number.
Thrust rod, 13 1/4" long	... X	1 0	28-X-13 1/4
Sleeve, for thrust rod	... X	1 6	294-X
Adjusting screw, for thrust rod sleeve	... X	6	293-X
Steel ball, for adjusting screw and sleeve	... X	1	67-X
Operating lever	... X	2 0	175-X-3
Fulcrum pin, for operating lever	... X	9	66-X-4
Lock plate, for operating lever	... X	3	295-X
Bush, for operating lever	... X	6	292-X

NONE OF THE ABOVE PRICES ARE SUBJECT TO INCREASE.

#### SPEEDOMETER GROUP.

Description.	Used on.	Price each.	Part Number.
Complete speedometer, non-trip, miles (A)	... G7, G5 and X	2 5 0*	SCNT-1
Complete speedometer, non-trip, kilos (A)	... G7, G5 and X	2 5 0*	SCNT-2
Complete speedometer, trip, miles ... (A)	... G7, G5 and X	2 10 0*	SCT-1
Complete speedometer, trip, kilos ... (A)	... G7, G5 and X	2 10 0*	SCT-2
Head, only, non-trip, 80 miles	... G7, G5 and X	1 5 0*	S-114-L
Head, only, non-trip, 140 kilos	... G7, G5 and X	1 5 0*	S-112-L
Head, only, trip, 80 miles	... G7, G5 and X	1 10 0*	S-115-L
Head, only, trip, 140 kilos	... G7, G5 and X	1 10 0*	S-113-L
Driving cable, complete, 25"	... G7 and G5	12 0*	27040-26
Driving cable, complete, 28"	... X	12 0*	27040-28
Inner cable, only, 26"	... G7 and G5	6 0*	27059-26
Inner cable, only, 28"	... X	6 0*	27059-28
Outer cable, only, 26"	... G7 and G5	6 0*	27060-26
Outer cable, only, 28"	... X	6 0*	27060-28
Bracket, for speedometer head	... G7, G5 and X	1 6*	25512
Bolt, fixing brackets to forks (2 off)	... G7, G5 and X	3	STD 362
Washer, for bracket fixing bolt (2 off)	... G7, G5 and X	1	STD 11
Gear box, complete (less pinion) (B)	... G7	12 6*	25384
Gear box, complete (less pinion) (B)	... G5 and X	12 6*	34159-1
Lock nut, for gear box	... G7, G5 and X	8*	25200
Pinion, on gear box, 14 teeth	... G7, G5 and X	3 6*	50216
Pinion, on hub, 43 teeth	... G7	7 6*	36497
Pinion, on hub, 43 teeth	... G5 and X	7 6*	50215
Spring ring, locating hub pinion	... G5 and X	2	38-12-EQ64
Electric bulb, for head (C)	... G7, G5 and X	1 3*	J-3159-2

(A) These speedometers drive from the front wheel (internal drive). They have internally illuminated heads and are graduated to 80 miles per hour, or to 140 kilometres per hour. A "Complete Speedometer" includes: head with electric bulb, bracket for head with fixing bolts and washers, driving cable, complete speedometer gearbox with small pinion and lock nut, and driving pinion for hub with locating ring. (No ring on Model G7).

When ordering, please state the Model of the machine.

(B) The price does not include the 14 tooth driven pinion. This is 3/6 extra.

(C) This bulb is 6 volts, 1.8 watts, and has a miniature BAYONET cap.

WE GIVE BELOW PARTICULARS OF THE OPTIONAL EQUIPMENT THAT CAN BE SUPPLIED ON A NEW MATCHLESS MOTOR CYCLE.

#### OPTIONAL EQUIPMENT. (E)

Description.	Used on.	Price each.	Part Number.
Eight-day clock (Smith's) (E)	... G7, G5 and X	1 10 0*	24142
Stop light (Lucas) (G)	... G7, G5 and X	15 0*	ST 20
Pillion seat (Feridax) (H)	... G7, G5 and X	12 6*	38-G3-EQ241
Pillion foot rests, complete per pair	... G7, G5 and X	7 6	38-G3-EQ242

(E) This equipment is not standard on Matchless Motor Cycles, but is supplied as optional "extras."

(F) Provision is made to accommodate this clock in the instrument panels fitted to the tops of the tanks.

(G) This displaces the normal electric rear lamp.

(H) This is a mudguard fitting seat.

#### COMPONENTS OF PILLION FOOT RESTS.

Description.	Used on.	Price each.	Part Number.
Plate, only, left	... G7, G5 and X	10	38-12-FR12
Plate, only, right	... G7, G5 and X	10	35-12-FR12
Spindle, for footrests (2 off)	... G7, G5 and X	9	35-X-4-FR19
Nut, for footrest spindle (2 off)	... G7, G5 and X	3	STD 1
Rubber pad, for footrest spindle (2 off)	... G7, G5 and X	1 6	16315
Top clip, for plate (2 off)	... G7, G5 and X	6	HF 10
Bolt, for top clip (2 off)	... G7, G5 and X	4	STD 366
Washer, for top clip bolt (2 off)	... G7, G5 and X	1	STD 191
Nut, for top clip bolt (2 off)	... G7, G5 and X	2	STD 4
Bottom clip, for plate (2 off)	... G7, G5 and X	8	BFF 10
Bolt, for bottom clip (2 off)	... G7, G5 and X	3	STD 368
Washer, for bottom clip bolt (2 off)	... G7, G5 and X	1	STD 191
Nut, for bottom clip bolt (2 off)	... G7, G5 and X	2	STD 4

## FRAME SECTION.

Description.	Used on.	Price Each.	Part Number
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#### MAIN FRAME GROUP.

Description.	Used on.	Price Each.	Part Number
Frame, complete	... G7	5 15 0	38-G2-FC
Frame, complete	... G5	6 3 0	38-G3-FC
Frame, complete (A)	... X	7 10 0	38-X-F23
Front portion, only, of frame	... G7	3 0 0	38-G2-F23
Front portion, only, of frame	... G5	3 5 0	38-G3-F23
Rear portion, only, of frame	... G7	2 15 0	38-G2-F24
Rear portion, only, of frame	... G5	2 18 0	38-G3-F24
Bolt, for seat lug	... G7 and G5	6	STD 597
Bolt, for seat lug	... X	1 0	37-X-F123
Washer, for seat lug bolt (2 off)	... G7, G5 and X	1	STD 8
Nut, for seat lug bolt (2 off)	... G7, G5 and X	3	STD 1
Nut, for earth wire, on seat lug bolt (B)	... G7 and G5	1	STD 79
Screw, for earth wire, on seat lug bolt (C)	... X	1	STD 15
Bolt, for seat tube, bottom lug	... G7	3	STD 301
Bolt, for seat tube, bottom lug	... G5	3	STD 302
Bolt, for seat tube bottom lug (D)	... X	1 6	37-X-F106
Bolt, for seat tube middle lug (E)	... X	1 9	37-X-F126
Spacer, left (long) for bottom lug bolt	... X	5	37-X-F51-L
Spacer, right (short) for bottom lug bolt	... X	4	37-X-F51-R
Washer, for bottom lug bolt (F)	... X	1	STD 8
Nut, for bottom lug bolt (2 off)	... G7 and G5	2	STD 3
Nut, for bottom lug bolt (2 off)	... X	3	STD 1
Nut, for middle lug bolt	... X	3	STD 1
Bolt, adjusting rear chain (2 off)	... G7 and G5	9	STD 596
Bolt, adjusting rear chain (2 off)	... X	9	MF 11
Collar, for rear chain bolt (2 off)	... G7 and G5	2	STD 633
Nut, for rear chain bolt (2 off)	... G7, G5 and X	2	STD 5
Grease nipple, for head lug	... G7, G5 and X	2	STD 51
Grease nipple, for saddle nose bush	... X	6	STD 54
Engine plate, left	... G7	5 6	36-G2-E250
Engine plate, left	... G5	5 6	36-G3-E250-L
Engine plate, left	... X	5 6	37-X-E150-L
Engine plate, right	... G7	5 6	36-G2-E250
Engine plate, right	... G5	5 6	36-G3-E250-R
Engine plate, right	... X	5 6	37-X-E150-R

(A) The Model X frame is brazed up as one unit and can only be supplied complete.

(B) This nut retains the earth wire, and screws on to a small extended threaded portion of the seat lug bolt on the left side.

(C) This screw retains the earth wire and fits in the right hand end of the seat lug bolt, which is drilled and tapped to accommodate it.

(D) This bolt binds the two rear fork tubes to the bottom of the seat tube and also passes through the bottom of the engine plates.

(E) This bolt retains the top rear of the engine plates to the main frame. It has a square head, through which passes the eye bolt that controls the gearbox position in order to adjust the front driving chain.

(F) This is used on the left side, no washer being fitted to the right side. For the bolt passing through the bottom of the crankcase, on Models G7 and G5, and which also unites the front and rear portions of the frame, see the Crankcase Bolt Group in the Engine Section. Also see the same group for the capped plated nuts and washers.

For the bolts passing through the crankcase and the frame, on Model X, see the Crankcase Bolt Group in the Engine Section and the Magneto Group in the Electrical Section.

#### FORK GIRDER GROUP.

Description.	Used on.	Price each.	Part Number.
Girder, only	... G7	2 14 6	38-12-FF1
Girder, only	... G5	3 14 6	38-8-FF1
Girder, only	... X	4 5 0	38-X-FF1
Forks, assembled, complete (G)	... G7	5 7 0	38-G2-FFA
Forks, assembled, complete (G)	... G5	6 9 6	38-G3-FFA
Forks, assembled, complete (H)	... X	6 14 6	38-X-FFA
Grease nipple, for fork girder (2 off)	... G7, G5 and X	2	STD 51

(G) Price does not include steering damper, which is 7/6 extra.

(H) Price does not include steering damper, which is 9/6 extra.

ALL ABOVE PRICES ARE SUBJECT TO 10% INCREASE.

12

Description.	Used on.	Price. each.	Part Number.
<b>FORK SPRING GROUP.</b>			
Spring, bare	... G7	5 0	FFF 32
Spring, bare	... G5	6 6	16372
Spring, bare	... X	6 6	4197
Top lug, for spring	... G5 and X	1 6	15957
Bolt, fixing top of spring	... G7	5	STD 410
Bolt, fixing top of spring	... G5 and X	5	STD 408
Collar, for top fixing bolt	... G7	3	FFF 35
Washer, for top fixing bolt	... G7	1	STD 10
Nut, for top fixing bolt	... G7	2	STD 3

Description.	Used on.	Price. each.	Part Number.
<b>FORK CROWN AND LUG GROUP.</b>			
Fork crown and steering stem, bare	... G7	13 6	37-G2-FF19-A
Fork crown and steering stem, bare	... G5	1 0 0	37-G3-FF19-A
Fork crown and steering stem, bare	... X	1 0 0	37-X-FF19-A
Ball race, for fork crown	... G7, G5 and X	3 2	STD 805
Grease nipple, for fork crown (2 off)	... G7, G5 and X	2	STD 51
Top lug, for steering stem	... G7	8 0	37-G2-FF21
Top lug, for steering stem	... G5	9 6	37-8-FF21
Top lug, for steering stem	... X	9 6	37-X-FF21
Ball race, for top lug and frame (3 off)	... G7, G5 and X	2 5	STD 806
Balls, 3/16" diameter, for head (58 off)	... G7, G5 and X	1 1	STD 72-58
Grease nipple, for steering top lug	... G7, G5 and X	2	STD 51
Adjusting nut, for steering top lug	... G7, G5 and X	8	STD 236
Lock nut, for steering adjusting nut	... G7	1 6	L4FF 46
Lock nut, for steering adjusting nut	... G5 and X	8	STD 236
Clip, only, for handlebar	... G7	1 0	FFF 21-B
Clip, only, for handlebar (J) (2 off)	... G5 and X	6 6	35-G3-FF42
Bolt, for handlebar clip (2 off)	... G7	4	STD 365
Bolt, for handlebar clip (6 off)	... G5 and X	3	STD 367
Washer, for handlebar clip bolt (2 off)	... G7	1	STD 11
Washer, for handlebar clip bolt (6 off)	... G5 and X	1	STD 11

(J) Each clip consists of two halves, one is screwed, the other has plain holes. Halves only are not supplied.

Description.	Used on.	Price. each.	Part Number.
<b>FORK SPINDLE GROUP.</b>			
Top spindle, bare, front or rear (2 off)	... G7	2 0	37-12-FF28
Top spindle, bare, front or rear (2 off)	... G5 and X	2 0	36-G3-FF28
Bottom spindle, bare, front position	... G7	2 3	37-12-FF27
Bottom spindle, bare, front position	... G5 and X	2 0	36-G3-FF27
Bottom spindle, bare, rear position	... G7	2 0	37-12-FF28
Bottom spindle, bare, rear position	... G5 and X	2 0	36-G3-FF18
Packing washer for spindles (8 off)	... G7	1	STD 166
Packing washer for spindles (8 off)	... G5 and X	1	STD 167
Nut, for bottom front spindle, left (K)	... G7	4	STD 616
Nut, for bottom front spindle, left (K)	... G5 and X	4	STD 617
Lock nut, for spindles (7 off)	... G7	3	STD 2
Lock nut, for spindles (7 off)	... G5 and X	3	STD 1

(K) This nut locates the fork damper steel plates.

Description.	Used on.	Price. each.	Part Number.
<b>FORK LINK GROUP.</b>			
Link, only, top, left (threaded holes)	... G7	1 3	STD 810
Link, only, top, left (threaded holes)	... G5 and X	2 0	17435-B
Link, only, top, right (plain holes)	... G7	1 6	STD 809
Link, only, top, right (plain holes)	... G5 and X	1 9	17435-A
Link, only, bottom, left (threaded holes)	... G7	2 0	STD 807
Link, only, bottom, left (threaded holes)	... G5 and X	3 9	36-G3-FF24
Link, only, bottom, right (plain holes)	... G7	1 3	STD 808
Link, only, bottom, right (plain holes)	... G5 and X	1 9	17435-A

Description.	Used on.	Price. each.	Part Number.
<b>FORK DAMPER GROUP.</b>			
Friction washer (grey fabric) (2 off)	... G7	9	STD 814
Friction washer (grey fabric) (2 off)	... G5 and X	9	STD 816
Steel plate (fixed to fork link)	... G7	6	STD 811
Steel plate (fixed to fork link)	... G5 and X	6	STD 815
Steel plate (fixed to fork girder)	... G7	6	STD 811
Steel plate (fixed to fork girder)	... G5 and X	6	STD 815
Bolt, fixing plate to fork link	... G7	2	STD 70
Bolt, fixing plate to fork link	... G5 and X	3	STD 363
Bolt, fixing plate to fork girder	... G7	2	STD 70
Bolt, fixing plate to fork girder	... G5 and X	2	STD 361
Spacer, for plate to link bolt	... G7	3	STD 636
Spacer, for plate to link bolt	... G5 and X	3	STD 637
Washer, for plate to link bolt	... G7	1	STD 12
Washer, for plate to link bolt	... G5 and X	1	STD 11
Washer, for plate to girder bolt	... G7	1	STD 12
Washer, for plate to girder bolt	... G5 and X	1	STD 11
Ebonite knob, for adjusting fork damper	... G7, G5 and X	1 6	TFP 101-S
Ratchet washer (fits under knob)	... G7, G5 and X	2	STD 162
Spring washer (fits under knob)	... G7, G5 and X	3	STD 195
Star washer (fits under knob)	... G7	6	STD 706
Star washer (fits under knob)	... G5 and X	6	STD 705

Description.	Used on.	Price. Each.	Part Number
<b>STEERING DAMPER GROUP. (L)</b>			
Friction washer (red fibre) (2 off)	... G5 and X	3	AFF 139
Steel plate (fixed to fork crown)	... G5 and X	5	D5FF 597
Steel plate (fixed to frame)	... G5 and X	5	D5FF 597
Bolt, fixing plate to crown	... G5 and X	2	STD 361
Bolt, fixing plate to frame	... G5 and X	2	STD 70
Washer, for plate to crown bolt	... G5 and X	1	STD 192
Washer, for plate to frame bolt	... G5 and X	1	STD 12
Ebonite knob, with medallion	... G5 and X	2 6	38-G3-FF100-M
Ebonite knob, less medallion	... G5 and X	1 6	38-G3-FF100
Medallion, only (with screw and washer)	... G5 and X	1 0	38-G3-FF101
Ratchet washer (fits under knob)	... G5 and X	2	STD 162
Spring washer (fits under knob)	... G5 and X	3	STD 195
Long drawbolt, for damper knob	... G5	9	D8FF 1115
Long drawbolt, for damper knob	... X	9	TFP 615
Distance piece, for long drawbolt	... X	1 3	20811
Sleeve, for damper drawbolt	... G5 and X	1 9	STD 818-A
Lock nut, for drawbolt sleeve	... G5 and X	2	STD 3
Cap washer, for damper	... G5 and X	4	AFF 114

(L) A steering damper is not fitted to Model G7, but all the parts to convert to steering damper can be supplied for 9/6 (postage 6d. extra).

Description.	Used on.	Price. each.	Part Number
<b>HANDLEBAR GROUP.</b>			
Handlebar, bare (black)	... G7, G5 and X	12 6	38-8-FF66
End plug, for handlebar (2 off)	... G7, G5 and X	10	2897-1

Description.	Used on.	Price. each.	Part Number
<b>TWIST GRIP GROUP.</b>			
Grip, complete, assembled	... All	8 0	70SHT
Body, only, top half, with friction spring	... All	8 2	3450
Body, only, bottom half, bare	... All	2 4	3432
Screw, clamping body halves (2 off)	... All	4	BC 276
Operating sleeve, with rubber grip	... All	3 2	3440-1
Rubber grip, only, for operating sleeve	... All	8	5980
Friction spring (in bottom half of body)	... All	1	3436
Rivet, for friction spring	... All	1	3535
Adjusting screw, for friction spring	... All	2 1	BC 40
Lock nut, for adjusting screw	... All	2	BC 41
Split adaptor, for throttle	... All	3	3434
Tape, for fixing twist grip to bar	... All	2	3390

For control cables, see Control Cable Group in this Section.

Description.	Used on.	Price. each.	Part Number
<b>DUMMY GRIP GROUP.</b>			
Grip, complete, assembled	... All	2 3	AU 1072
Rubber, only, for dummy grip	... All	9	3141
End ferrule, for dummy grip (2 off)	... All	9	3142

Description.	Used on.	Price. each.	Part Number
<b>CLUTCH, BRAKE, IGNITION, AND AIR LEVER GROUP.</b>			
Brake and air levers, complete assembly	... All	10 0	403-424-7E
Clutch and ignition levers, complete assembly	... All	10 0	403-424-7L
Brake, or clutch, lever, only (2 off)	... All	4	5963-1
Fulcrum screw, for lever (2 off)	... All	3	2777
Nut, for lever fulcrum screw (2 off)	... All	1	8
Ignition lever only	... All	2 0	4049-L
Air lever only	... All	2 0	4049-E
Cone washer, for ignition and air levers	... All	4	2324
Spring washer, for ignition and air levers	... All	1	2325
Cap, for ignition and air levers	... All	5	2781
Central screw, for cap	... All	7	2782
Front brake and air lever body assy. (M)	... All	6 0	2148-4056-E
Clutch and ignition lever body assy. (N)	... All	6 0	2148-4056-L
Brake lever body, bare	... All	2 0	4056-L
Clutch lever body, bare	... All	2 0	4056-E
Ignition body lever, bare	... All	2 6	2148-L
Air lever body, bare	... All	2 6	2148-R
Half clip, for brk. and clth. lever body	... All	1 0	4058A
Hinge pin, for half clip	... All	1	1718A
Screw, clamping half clip	... All	5	3125

(M) Includes: brake lever body, air lever body, half clip, hinge pins and clamping screw.

(N) Includes: clutch lever body, ignition lever body, half clip, hinge pins and clamping screw.

Description.	Used on.	Price. each.	Part Number
<b>EXHAUST LIFTER LEVER GROUP.</b>			
Exhaust lifter lever, complete assembly	... All	4 6	725
Exhaust lifter lever, only	... All	2 6	3900
Fulcrum screw, for exhaust lifter lever	... All	2	2114
Nut, for fulcrum screw	... All	1	8
Body, bare, for lifter lever	... All	2 8	2980
Half clip, for lever body	... All	1 0	2982
Screw, clamping half clip (2 off)	... All	2	2417

13

Description.	Used on.	Price each.	Part Number.
<b>FRONT BRAKE CABLE GROUP.</b>			
		£ s. d.	
Brake cable, complete, assembled ... (P)	... G7	2 9	38-B-11
Brake cable, complete, assembled ... (P)	... G5	3 9	38-B-12
Brake cable, complete, assembled ... (P)	... X	3 9	38-B-13
Inner wire, bare, 27" ... (R)	... G7	5	12-27
Inner wire, bare, 46" ... (R)	... G5	9	12-46
Inner wire, bare, 46½" ... (R)	... X	9	12-46½
Rubber sleeve, for inner wire	... G5 and X	1	4329
Nipple, for inner wire (brake end)	... G7	1	11753
Nipple, for inner wire (brake end)	... G5 and X	1	3
Nipple, for inner wire (handlebar end)	... G7, G5 and X	2	2778
Outer casing, bare, 20" ... (S)	... G7	1 0	12C-20
Outer casing, bare, 14" ... (S)	... G5	1 0	12C-14
Outer casing, bare, 12½" ... (S)	... X	1 0	12C-12½
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	12E
Knurled adjuster, for brake cable	... G7	4	11751
Knurled adjuster, for brake cable	... G5 and X	1 0	16365
Lock nut, for knurled adjuster	... G7	2	STD 622
Lock nut, for knurled adjuster	... G5 and X	4	16365
Spring box, bare, for brake cable	... G7	1 6	11756
Spring, for spring box	... G7	4	11765
Plunger, for spring box	... G7	1 0	11752
Rod, for front brake	... G7	6	38-FBH-20
Knurled adjuster, for brake rod	... G7	7	38-FBH-21
Yoke end, for front brake cable	... G5 and X	10	16482
Pin, for yoke end	... G5 and X	3	STD 736
Split pin, for yoke end pin	... G5 and X	1	STD 48

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

#### CLUTCH CABLE GROUP.

Clutch cable, complete assembled ... (P)	... G7	4 0	38-C-8
Clutch cable, complete assembled ... (P)	... G5	4 9	38-C-9
Clutch cable, complete assembled ... (P)	... X	6 0	38-C-10
Inner wire, bare, 48½" ... (R)	... G7	9	12-48½
Inner wire, bare, 55" ... (R)	... G5	9	12-53
Inner wire, bare, 60" ... (R)	... X	10	12-60
Rubber sleeve, for inner wire	... G5 and X	1	4328
Nipple, for inner wire (gear box end)	... G7, G6 and X	1	4
Nipple, for inner wire (handlebar end)	... G7, G5 and X	2	2778
Outer casing, bare, 45½" ... (S)	... G7	2 0	12C-45½
Outer casing, bare, 47" ... (S)	... G5	2 0	12C-47
Outer casing, bare, 54" ... (S)	... X	2 6	12C-54
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	12E
Adjuster, for clutch cable	... G7	4	HG 91
Adjuster, for clutch cable	... G5 and X	1 0	D8E 1900
Lock nut, for cable adjuster	... G7	2	STD 622
Lock nut, for cable adjuster	... G5 and X	4	3866

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

#### VALVE LIFTER CABLE GROUP.

Valve lifter cable, complete, assembled (P)	... G7	3 6	38-V-7
Valve lifter cable, complete, assembled (P)	... G5	3 6	38-V-8
Valve lifter cable, complete, assembled (P)	... X	3 10	38-V-9
Inner wire, bare, 33½" ... (R)	... G7	6	12-33½
Inner wire, bare, 38½" ... (R)	... G5	7	12-38½
Inner wire, bare, 39" ... (R)	... X	7	12-39
Nipple, for inner wire (engine end)	... G7 and G5	1	3
Nipple, for inner wire (engine end)	... X	2	6
Nipple, for inner wire (handlebar end)	... G7, G5 and X	1	2368
Outer casing, bare, 29½" ... (S)	... G7	1 3	12C-29½
Outer casing, bare, 32½" ... (S)	... G5	1 6	12C-32½
Outer casing, bare, 34" ... (S)	... X	1 6	12C-34
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	12E
Armoured sheath, for outer casing	... G7, G5 and X	3	STD 709
Adjuster, for valve lifter cable	... G7	2	11751
Adjuster, for valve lifter cable	... G5	1 0	37-9-F215
Adjuster, for valve lifter cable	... X	7	L&F 217
Lock nut, for cable adjuster	... G7, G5 and X	2	STD 622
Distance tube, for valve lifter cable	... G5	4	37-9-E217

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

Description.	Used on.	Price Each.	Part Number.
<b>IGNITION CONTROL CABLE GROUP.</b>			
		£ s. d.	
Ignition cable, complete, assembled ... (P)	... G7	4 6	38-I-11
Ignition cable, complete, assembled ... (P)	... G5	4 6	38-I-12
Ignition cable, complete, assembled ... (P)	... X	4 0	38-I-13
Inner wire, bare, 40" ... (R)	... G7	7	11-40
Inner wire, bare, 42" ... (R)	... G5	7	11-42
Inner wire, bare, 35½" ... (R)	... X	6	11-35½
Nipple, for inner wire (contact breaker end)	... G7 and G5	1	8
Nipple, for inner wire (magneto end)	... X	6	MC 4
Nipple, for inner wire (handlebar end)	... G7, G5 and X	1	3327
Outer casing, bare, 35" ... (S)	... G7	1 6	11C-35
Outer casing, bare, 37" ... (S)	... G5	1 7	11C-37
Outer casing, bare, 30½" ... (2)	... X	1 4	11C-30½
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	11E
Rubber cap, for cable entry	... G7 and G5	1 6	32 M
Rubber cap, for cable entry	... X	3	MC 9
Cable adjuster, with lock nut	... G7 and G5	6	51 M
Cable adjuster, with lock nut	... X	5	MC 7-8
Cable sleeve (screws into timing case)	... G7 and G5	6	19 M
Cable sleeve (screws into magneto)	... X	6	MC 6
Cable spring	... G7 and G5	4	17 M
Cable spring	... X	2	MC 5
Nipple sleeve (slides in timing case)	... G7 and G5	6	15 M

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

#### THROTTLE CABLE GROUP.

Throttle cable, complete, assembled ... (P)	... G7	3 6	38-T-9
Throttle cable, complete, assembled ... (P)	... G5	3 6	38-T-10
Throttle cable, complete, assembled ... (P)	... X	3 6	38-T-11
Inner wire, bare, 48" ... (R)	... G7	8	11-48
Inner wire, bare, 50" ... (R)	... G5	9	11-50
Inner wire, bare, 44" ... (R)	... X	7	11-44
Nipple, for inner wire (carburettor end)	... G7, G5 and X	2	1482
Nipple, for inner wire (handlebar end)	... G7, G5 and X	1	3527
Outer casing, bare, 42" ... (S)	... G7	1 9	11C-42
Outer casing, bare, 44" ... (S)	... G5	1 10	11C-44
Outer casing, bare, 38½" ... (S)	... X	1 7	11C-38½
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	11E
Cable adjuster	... G7, G5 and X	4	14-035

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

#### AIR CABLE GROUP.

Air cable, complete, assembled ... (P)	... G7	3 0	38-A-8
Air cable, complete, assembled ... (P)	... G5	3 6	38-A-9
Air cable, complete, assembled ... (P)	... X	3 6	38-A-10
Inner wire, bare, 45" ... (R)	... G7	8	11-45
Inner wire, bare, 45½" ... (R)	... G5	8	11-45½
Inner wire, bare, 40" ... (R)	... X	7	11-40
Nipple, for inner wire (carburettor end)	... G7, G5 and X	2	1482
Nipple, for inner wire (handlebar end)	... G7, G5 and X	1	3327
Outer casing, bare, 39" ... (S)	... G7	1 8	11C-39
Outer casing, bare, 39½" ... (S)	... G5	1 8	11C-39½
Outer casing, bare, 34" ... (S)	... X	1 6	11C-34
Ferrule, for outer casing ... (2 off)	... G7, G5 and X	1	11E
Cable adjuster	... G7, G5 and X	4	14-035

(P) Includes all parts that must be threaded on the inner cable before the nipples are fitted.

(R) Does not include nipples.

(S) Does not include casing ferrules.

#### CABLE CLIP GROUP.

Spring clip, 1½" long ... (2 off)	... G7 and G5	2	STD 520
Spring clip, 1½" long ... (3 off)	... X	2	STD 520
Spring clip, 2" long ... (5 off)	... G7, G5 and X	3	STD 521
Spring clip, 3" long ... (4 off)	... G7, G5 and X	3	STD 522
Spring clip, 4" long ... (3 off)	... G7, G5 and X	3	STD 523
Strip aluminium pliable clip ... (2 off)	... G7, G5 and X	1	STD 525

The above clips are used to retain the control cables and the lighting cables to the frame.



Description.	Used on.	Price each.	Part Number.
<b>FRONT STAND GROUP.</b>			
		£ s. d.	
Front stand, bare	... G5	5 0	12403
Front stand, bare	... X	5 0	AFF 67
Bolt, fixing stand to girder (2 off)	... G5 and X	3	STD 363
Washer, for stand fixing bolt (2 off)	... G5 and X	1	STD 11
Nut, for stand fixing bolt (2 off)	... G5 and X	2	STD 74
Bolt, fixing stand to mudguard	... G5 and X	4	17484
Washer, for stand to mudguard bolt	... G5 and X	1	STD 12
Nut, for stand to mudguard bolt (2 off)	... G5 and X	2	STD 5

<b>CENTRE STAND GROUP.</b>			
Centre stand, bare	... G7	12 6	35-G3-F144
Bush, for centre stand (2 off)	... G7	5	STD 654
Bolt, for centre stand	... G7	4	STD 598
Distance tube, for centre stand bolt	... G7	4	STD 634
Spring washer, for stand bolt (2 off)	... G7	2	STD 196
Plain washer, for stand bolt (2 off)	... G7	1	STD 174
Nut, for stand bolt (2 off)	... G7	2	STD 4
Return spring, for centre stand	... G7	9	STD 707
Anchor bolt, for return spring	... G7	5	STD 600
Washer, for anchor bolt	... G7	1	STD 11
Nut, for anchor bolt	... G7	2	STD 4

<b>REAR STAND GROUP.</b>			
Rear stand, bare	... G5	19 6	38-G3-F44
Rear stand, bare	... X	16 0	37-X-F44
Bolt, fixing stand to fork end (2 off)	... G5	6	38-12-F71
Bolt, fixing stand to fork end (2 off)	... X	7	36-2A-F71
Washer, for stand fixing bolt (2 off)	... G5	1	STD 8
Nut, for stand fixing bolt (2 off)	... G5 and X	3	STD 71
Return spring, for rear stand	... G5	1 6	38-G3-F245
Bolt, for stand clip	... X	2	STD 70
Spring washer, for stand clip bolt	... X	2	HRD 52
Plain washer, for stand clip bolt	... X	1	STD 12
Nut, for stand clip bolt	... X	4	37-X-M34

Parts of the clip for the rear stand on Model X are not sold separately because the assembly is rivetted and welded up as one unit with the centre strengthening strap that is fitted to the under side of the mudguard.

<b>PROP STAND GROUP.</b>			
Prop stand leg, bare	... X	7 6	35-G3-F342
Hinge bolt, for prop stand leg	... X	4	35-G3-F341
Nut, for hinge bolt	... X	3	STD 2
Return spring, for prop stand leg	... X	1 6	35-G3-F345

Prop stands cannot be fitted to Models G7 and G5.

<b>FRONT MUDGUARD GROUP.</b>			
Mudguard, bare (enamelled black)	... G7	10 0	37-G2-M2
Mudguard, bare (enamelled black)	... G5	11 6	38-G3-M2
Mudguard, bare (enamelled black)	... X	16 6	37-X-M2
Bracket, fixing guard to fork (2 off)	... G7, G5 and X	6	12407
Plate, for brackets (fits under guard)	... G7, G5 and X	3	3323
Bolt, fixing plate to brackets (2 off)	... G7, G5 and X	2	STD 342
Washer, for plate fixing bolt (2 off)	... G7, G5 and X	1	STD 191
Nut, for plate fixing bolt (2 off)	... G7, G5 and X	2	STD 5
Bolt, fixing brackets to fork	... G7, G5 and X	4	STD 365
Washer, for bracket bolt	... G7, G5 and X	1	STD 11
Nut, for bracket bolt	... G7, G5 and X	2	STD 4
Stay, for mudguard (4 off)	... G7	6	FM 30
Stay, for mudguard	... G5	1 6	38-G3-M30
Stay, for mudguard (2 off)	... X	6	36-2A-M30
Bolt, fixing stay to guard (4 off)	... G7	2	STD 70
Bolt, fixing stay to guard (2 off)	... G5	2	STD 451
Bolt, fixing stay to guard (2 off)	... X	2	STD 70
Spring washer, for stay fixing bolt (4 off)	... G7	1	STD 191
Spring washer, for stay fixing bolt (2 off)	... G5 and X	1	STD 191
Plain washer, for stay fixing bolt (4 off)	... G7	1	STD 12
Plain washer, for stay fixing bolt (2 off)	... G5 and X	1	STD 12
Nut, for stay fixing bolt (4 off)	... G7	2	STD 5
Nut, for stay fixing bolt (2 off)	... G5 and X	2	STD 5
Bolt, fixing stay to girder (2 off)	... G7	3	STD 363
Bolt, fixing stay to girder (2 off)	... G5 and X	2	STD 70
Spacer, for stay to girder bolt (2 off)	... G7	2	2076R
Washer, for stay to girder bolt (2 off)	... G7	1	STD 11
Washer, for stay to girder bolt (2 off)	... G5 and X	1	STD 12

For the clip bolt, retaining the front stand to the front mudguard on Models G5 and X, see Front Stand Group in this Section.

Description.	Used on.	Price Each.	Part Number.
<b>REAR MUDGUARD GROUP.</b>			
		£ s. d.	
Mudguard, bare (enamelled black) ... (T)	... G7	15 6	37-G2-M4
Mudguard, bare (enamelled black) ... (T)	... G5	18 6	38-G3-M4
Mudguard, bare (enamelled black) ... (T)	... X	1 2	37-X-M4
Nut, uniting front and rear portions	... G7 and X	2	STD 3
Nut, uniting front and rear portions (2 off)	... G5	2	2770
Washer, for guard uniting nut	... G7 and X	1	STD 10
Washer, for guard uniting nut (2 off)	... G5	1	STD 172
Bolt, fixing strap to guard at top ... (V)	... X	2	STD 70
Nut, for strap top fixing bolt	... X	2	STD 5
Bolt, fixing guard to top bridge	... G7, G5 and X	3	STD 346
Plain washer, for top bridge bolt	... G5	1	STD 12
Spring washer, for top bridge bolt	... G7, G5 and X	1	STD 191
Nut, for top bridge bolt	... G7, G5 and X	2	STD 5
Bolt, fixing guard to bottom bridge	... G7	3	STD 345
Bolt, fixing guard to bottom bridge	... G5	3	STD 346
Spring washer, for bottom bridge bolt	... G7 and G5	1	STD 191
Nut, for bottom bridge bolt	... G7 and G5	2	STD 5
Bolt, fixing bridge to rear stay, left (W)	... X	5	STD 372
Bolt, fixing bridge to rear stay, right (W)	... X	3	STD 369
Spacer, for left bridge bolt	... X	3	37-X-M19
Spacer, for right bridge bolt	... X	2	37-X-M20
Nut, for bridge bolt (2 off)	... X	2	STD 4
Stay, for bottom front of mudguard (2 off)	... X	5	4154
Nut, fixing stay to seat tube ... (X) (2 off)	... X	2	STD 4
Washer, for stay fixing nut (2 off)	... X	1	STD 11
Bolt, fixing stay to mudguard (2 off)	... X	3	STD 340
Washer, for stay to mudguard bolt (4 off)	... X	1	STD 12
Nut, for stay to mudguard bolt (2 off)	... X	2	STD 5
Tubular arch assembly	... G7	13 6	37-G3-F300
Tubular arch assembly	... G5	19 6	38-G3-F300
Tubular arch, front	... X	7 6	37-X-F299-P
Tubular arch, rear	... X	7 6	37-X-F298-A
Stud, fixing arch to fork end (2 off)	... G7 and G5	2	STD 270
Stud, fixing arch to fork end (2 off)	... X	2	STD 289
Nut, locking stud in fork end (2 off)	... G7, G5 and X	2	STD 74
Nut, fixing arch to fork end stud (2 off)	... G7, G5 and X	3	STD 213
Bolt, fixing front of arch to guard	... G7	2	STD 70
Bolt, fixing front of arch to guard (2 off)	... G5	3	STD 362
Bolt, fixing front arch to guard	... X	2	STD 342
Spring washer, for front of arch bolt	... G7	1	STD 191
Spring washer, for front of arch bolt (2 off)	... G5	1	STD 192
Spring washer, for front arch to guard bolt	... X	1	STD 191
Nut, for front of arch bolt	... G7	2	STD 5
Nut, for front of arch bolt (2 off)	... G5	2	STD 4
Nut, for front arch to guard bolt	... X	2	STD 5
Bolt, fixing guard to rear arch side (2 off)	... G7	2	STD 361
Bolt, fixing guard to rear arch side (2 off)	... G5	4	STD 366
Bolt, fixing guard to rear arch side (2 off)	... X	3	STD 362
Spring washer, for rear side bolt (2 off)	... G5	1	STD 192
Nut, for rear arch side bolt (2 off)	... G7	2	STD 74
Nut, for rear arch side bolt (2 off)	... G5 and X	2	STD 4

(T) Although these mudguards are in two pieces, the parts are not sold separately.

(V) This is situated in the centre of the rear mudguard, immediately behind the top of the front arch.

(W) These fix the sides of the mudguard to the rear stays, immediately underneath the two large saddle springs.

(X) The nut on the left side also retains the lower front of the rear chain guard.

For the bolt that fixes the top of the rear number plate and passes through the tubular arch and the rear mudguard on Models G7 and X, see the Rear Number Plate Group in this Section.

For the bolt securing the oil tank stay to the front of the rear mudguard, see the Oil Tank Group in the Tank Section.

On Model X the rear stand clip is an integral portion of the strengthening centre strap that is welded and bolted to the underside of the rear mudguard. Therefore when parts of the rear stand clip are needed (other than those listed in the Rear stand Group) it is necessary to send the rear portion of the rear mudguard to the factory for repair.

THE REAR MUDGUARD, ARCH AND OTHER PARTS LISTED ABOVE FOR MODEL G7 IS FOR THE DOMED GUARD HAVING GOLD LINING. AFTER MAY, 1938, MODEL G7 WAS FITTED WITH THE SAME TYPE OF GUARD AS FITTED TO MODEL G5. THIS GUARD IS NOT LINED AND HAS A RAISED RIDGE RUNNING DOWN THE CENTRE. IF YOUR MACHINE HAS THIS TYPE OF GUARD ORDER THE SAME PARTS AS LISTED FOR MODEL G5.

15

Description.	Used on.	Price each.	Part Number.
<b>FRONT NUMBER PLATE GROUP.</b>			
		£ s. d.	
Number plate, bare	... G7, G5 and X	... 1 9	... STD 741
Clip, for plate (with nut and washer) (2 off)	... G7, G5 and X	... 4	... STD 742
Screw, fixing plate to clip (2 off)	... G7, G5 and X	... 2	... STD 451
Nut, for plate fixing screw (2 off)	... G7, G5 and X	... 1	... STD 80
<b>REAR NUMBER PLATE GROUP.</b>			
Number plate, bare	... G7 and G5	... 3 0	... STD 740
Number plate, bare	... X	... 3 0	... STD 740-1
Stay, for number plate, left side	... G7	... 4	... 20663-L
Stay, for number plate, left side	... G5	... 4	... 38-G3-M205-L
Stay, for number plate, left side	... X	... 4	... 12328-L
Stay, for number plate, right side	... G7	... 4	... 20663-R
Stay, for number plate, right side	... G5	... 4	... 38-G3-M205-R
Stay, for number plate, right side	... X	... 4	... 12328-R
Screw, fixing stay (4 off)	... G7, G5 and X	... 2	... STD 42
Nut, for stay fixing screw (4 off)	... G7, G5 and X	... 1	... STD 24
Bolt, fixing plate to guard, at top (Y)	... G7 and X	... 4	... STD 365
Bolt, fixing plate to guard, at top	... G5	... 3	... STD 363
Nut, for top fixing bolt	... G7, G5 and X	... 2	... STD 4
Bolt, fixing bottom of plate to guard	... G7 and G5	... 2	... STD 343
Bolt, fixing bottom of plate to guard	... X	... 4	... STD 344
Spacer, for bottom fixing bolt	... G7, G5 and X	... 2	... STD 635
Spring washer, for bottom fixing bolt	... G7, G5 and X	... 1	... STD 191
Plain washer, for bottom fixing bolt	... G7, G5 and X	... 1	... STD 12
Nut, for bottom fixing bolt	... G7, G5 and X	... 2	... STD 5
(Y) This bolt also retains the centre of the rear tubular arch and the rear mudguard.			
THE NOTE REGARDING THE TYPE OF MUDGUARD FITTED TO MODEL G7 THAT IS INCLUDED UNDER THE REAR MUDGUARD GROUP ALSO REFERS TO THE REAR NUMBER PLATE AND ITS FIXING PARTS.			
<b>REAR CARRIER GROUP.</b>			
Carrier, bare	... G7 and G5	... 13 6	... 38-G3-EQ-40
Carrier, bare	... X	... 13 6	... 37-X-F40
Bolt, fixing carrier (4 off)	... G7 and G5	... 3	... STD 363
Bolt, fixing carrier, front right	... X	... 3	... STD 363
Bolt, fixing carrier, front left	... X	... 3	... STD 362
Bolt, fixing carrier, rear (2 off)	... X	... 3	... STD 370
Nut, for carrier fixing bolt (4 off)	... G7, G5 and X	... 2	... STD 4
Washer, for carrier fixing bolt (4 off)	... X	... 1	... STD 11
<b>FRONT CHAINCASE GROUP.</b>			
Chaincase, complete	... G7 and G5	... 1 15 0	... 35-G3-C-A
Chaincase, complete	... X	... 2 0 0	... 38-X-C-A
Chaincase, back half, bare	... G7 and G5	... 12 6	... 35-G3-C1
Chaincase, back half, bare	... X	... 10 6	... 4153-6
Chaincase, front half, bare	... G7 and G5	... 16 0	... 20817-1
Chaincase, front half, bare (A)	... X	... 12 0	... 38-X-C1
Aluminium band, for chaincase	... G7 and G5	... 5 0	... 12302-7
Aluminium band, for chaincase	... X	... 5 6	... 4153-7
Screw, clamping chaincase band	... G7, G5 and X	... 2	... STD 452
Rubber fillet, or joint, for band	... G7 and G5	... 6	... 12302-9
Rubber fillet, or joint, for band	... X	... 9	... 4153-9
Inspection cap, complete (B)	... G7, G5 and X	... 1 4	... 17350-1
Inspection cap, bare	... G7, G5 and X	... 4	... STD 780
Clutch dome	... X	... 7 6	... 38-X-C53
Screw, fixing clutch dome (6 off)	... X	... 2	... 38-X-C54
Cork washer, for inspection cap	... G7, G5 and X	... 4	... STD 580
Knurled screw, for inspection cap	... G7, G5 and X	... 2	... STD 593
Back plate, for knurled screw	... G7, G5 and X	... 4	... STD 781
Bolt, fixing chaincase to engine (3 off)	... G7, G5 and X	... 2	... STD 440
Locking plate for engine bolt (3 off)	... G7, G5 and X	... 2	... STD 165
Bolt, fixing centre of chaincase (C)	... G7, G5 and X	... 9	... STD 315
Spacer, for centre bolt (between plates)	... G7 and G5	... 4	... 20841
Spacer, for centre bolt (right of plate)	... X	... 3	... 4237
Spacer, for centre bolt (left of plate)	... X	... 2	... 4238
Spacer, for centre bolt (outside) (D)	... G7 and G5	... 3	... 20825
Spacer, for centre bolt (outside) (D)	... X	... 5	... 36-2A-C27
Spacer, for centre bolt (inside chaincase)	... G7 and G5	... 6	... 35-2-C29
Washer, for centre bolt (2 off)	... G7 and G5	... 1	... STD 9
Nut, for centre bolt (3 off)	... G7 and G5	... 3	... STD 2
Nut, for centre bolt, right	... X	... 3	... STD 2
Nut, for centre bolt, inside case	... X	... 6	... 38-X-C56
Bolt, fixing outer half of case in centre	... X	... 2	... 38-X-C57

Description.	Used on.	Price each.	Part Number.
(A) The price does not include the plated dome and fixing screws.			
(B) "Inspection cap, complete" includes: cap, knurled screw, plate for knurled screw and cork washer.			
(C) On Model X this bolt passes through the centre rear lug of the engine crankcase.			
(D) This fits on the centre bolt between the outside of the left engine plate and the outside of the back half of the chaincase.			
<b>REAR CHAINGUARD GROUP.</b>			
		£ s. d.	
Chainguard, bare	... G7 and G5	... 17 6	... 38-12-C10
Chainguard, bare	... X	... 1 0 0	... 38-X-C10
Bolt, fixing top, front of guard (E)	... G7, G5 and X	... 4	... 36-8-C28
Washer, for top, front bolt	... G7, G5 and X	... 1	... STD 192
Bolt, fixing bottom front of guard (F)	... G7 and G5	... 3	... STD 349
Spacer, for bottom front bolt	... G7 and G5	... 2	... LM 16
Washer, for bottom front bolt	... G7 and G5	... 1	... STD 191
Nut, for bottom front bolt	... G7 and G5	... 2	... STD 5
Bolt, fixing rear of guard	... G7, G5 and X	... 3	... STD 363
Washer, for rear of guard bolt	... G7, G5 and X	... 1	... STD 192
(E) This bolt unites the rear guard, the battery stay and the front chaincase.			
(F) For the attachment of the lower front of the rear chainguard on Model X, see the Rear Mudguard Group in this Section.			
<b>FOOTREST GROUP.</b>			
Footrest rod, bare	... G7 and G5	... 1 3	... 20866
Footrest rod, bare	... X	... 1 9	... 37-X-FR8
Spacer, for rod (inside engine plates)	... G7 and G5	... 5	... V2-FR-6
Spacer, for rod (inside engine plates)	... X	... 8	... CFR 6
Spacer, for rod (outside plates) (2 off)	... G7 and G5	... 4	... 11457-1
Spacer, for rod (outside left plate)	... X	... 4	... 36-2A-FR9
Spacer, for rod (outside right plate)	... X	... 4	... CFR 7
Washer, for rod (2 off)	... G7, G5 and X	... 1	... STD 94
Nut, for footrest rod (2 off)	... G7, G5 and X	... 3	... STD 11
Footrest a.m. or hanger (2 off)	... G7 and G5	... 3 3	... STD 4
Footrest a.m. or hanger (2 off)	... X	... 3 3	... STD 4
Rubber pad, for footrest arm (2 off)	... G7, G5 and X	... 1 6	... 16315
<b>SADDLE GROUP.</b>			
Saddle, with springs (G)	... G7 and G5	... 1 0 10*	... 35-G3-F60
Saddle, with springs (G)	... X	... 1 5 0*	... 37-X-F60
Rear spring, for saddle (2 off)	... G7, G5 and X	... 1 6	... D5F 560-B
Hinge bolt, for front of saddle	... G7, G5 and X	... 5	... STD 410
Bush, for saddle hinge bolt	... X	... 9	... 36-2A-F62
Washer, for saddle hinge bolt	... G7, G5 and X	... 1	... STD 10
Nut, for saddle hinge bolt	... G7, G5 and X	... 2	... STD 3
Bolt, fixing saddle spring to frame (2 off)	... G7 and G5	... 3	... STD 368
Bolt, fixing saddle spring to frame, left	... X	... 5	... STD 372
Bolt, fixing saddle spring to frame, right	... X	... 3	... STD 369
Spacer, for left saddle spring fixing bolt	... X	... 2	... 37-X-E471
Washer, for saddle spring bolt (2 off)	... G7, G5 and X	... 1	... STD 11
Nut, for saddle spring bolt (2 off)	... G7, G5 and X	... 2	... STD 4
(G) Saddles are not sold without the two rear springs.			
<b>TOOL BOX GROUP.</b>			
Tool box, bare	... G7 and G5	... 12 6	... 35-G3-F45
Tool box, bare	... X	... 12 6	... 37-X-F45
Knurled screw, for tool box lid	... G7, G5 and X	... 1 0	... 37-8-F53
Plain washer, for knurled screw	... G7, G5 and X	... 1	... STD 12
Spring washer, for knurled screw	... G7, G5 and X	... 1	... STD 189
Split pin, for knurled screw	... G7, G5 and X	... 1	... STD 14
Bolt, fixing box to frame, top, front	... G7 and G5	... 2	... STD 342
Bolt, fixing box to frame, top, rear	... G7 and G5	... 2	... STD 70
Bolt, fixing box to frame, bottom	... G7 and G5	... 2	... STD 70
Bolt, fixing box to frame (3 off)	... X	... 2	... STD 70
Washer, for fixing bolt (3 off)	... G7, G5 and X	... 1	... STD 12
Nut, for fixing bolt (3 off)	... G7, G5 and X	... 2	... STD 5
<b>INSTRUMENT PANEL GROUP.</b>			
Panel, bare	... G7 and G5	... 6 0	... 20864
Panel, bare	... X	... 6 0	... 17372
Screw, securing panel to tank (3 off)	... G7, G5 and X	... 3	... STD 481
Rubber fillet, for panel	... G7, G5 and X	... 9	... 4286
Cap, covering clock aperture	... G7, G5 and X	... 1 0	... 20869-A

ALL ABOVE PRICES, EXCEPT THOSE MARKED \*, ARE SUBJECT TO 10% INCREASE.

THE SERVICE AND REPAIR DEPARTMENT IS SITUATED IN BURRAGE GROVE, PLUMSTEAD, LONDON, S.E.18, AND IS OPEN ON MONDAYS TO FRIDAYS FROM 9 a.m. TO 6 p.m., AND ON SATURDAYS FROM 9 a.m. TO 1 p.m.

Description.	Used on.	Price. Each.	Part Number
<b>BATTERY CARRIER GROUP.</b>			
Battery carrier, complete	G7 and G5	8 6	36-G2-E185
Battery carrier, complete	X	8 6	37-X-E185
Back portion of carrier, bare	G7 and G5	4 0	36-G2-E185-R
Back portion of carrier, bare	X	4 0	37-X-E185-R
Front portion of carrier, bare	G7, G5 and X	4 4	38-G3-E185F
Hinge pin, for battery carrier front	G7, G5 and X	2	XE 184
Battery clamping bolt	G7, G5 and X	4	AE 180
Seat, for battery clamping bolt	G7, G5 and X	3	AE 178
Nut, for battery clamping bolt	G7, G5 and X	5	AE 177
Nut, fixing carrier to frame (H) (2 off)	G7 and G5	2	STD 4
Washer, for carrier fixing bolt (H) (2 off)	G7 and G5	1	STD 174
Bolt, fixing carrier to frame, front (K) (2 off)	X	3	STD 363
Bolt, fixing carrier to frame, rear (K)	X	2	STD 361
Washer, for carrier fixing bolt (K) (3 off)	X	1	STD 174
Stay, from carrier to chain guard (L)	G7 and G5	6	DE 181-B
Stay, from carrier to chain guard (L)	X	6	55-G3-F182
Screw, fixing stay to carrier (J)	G7, G5 and X	1	STD 40

(H) These nuts and washers also secure the oil tank to the main frame.

(J) The nut for this screw is welded to the carrier stay.

(K) These bolts and washers also secure the oil tank to the main frame.

(L) The lower end of this stay is secured to the front end of the rear chainguard, see Rear Chainguard Group in this Section.

Description.	Used on.	Price. Each.	Part Number
<b>NAME TRANSFER GROUP.</b>			
Transfer, for rear mudguard	G7, G5 and X	4	38-G3-F383
Transfer, for tool box	G7, G5 and X	3	38-G3-F385
Transfer, for top of oil tank (M)	G7, G5 and X	2	38-G3-F381
Transfer, for side of oil tank (M)	G7, G5 and X	2	38-G3-F392
Transfer, for front chaincase (M)	G7, G5 and X	2	38-G3-F393

(M) These are "Instruction" transfers.

The lines, on the petrol tanks and on G7 mudguards, are applied by hand, and therefore "Transfers" for lining cannot be supplied.

Description.	Used on.	Price. Each.	Part Number
<b>TOOL GROUP.</b>			
Tool bag	G7, G5 and X	2 6	17520
Screwdriver	G7, G5 and X	9	LTK 13
Pliers	G7, G5 and X	1 6	LTK 15
Gudgeon pin circlip pliers	G7, G5 and X	1 0	11024
Grease gun	G7, G5 and X	4 0	LTK 20
Tyre lever	G7, G5 and X	3	LTK 14
Tyre inflator	G7, G5 and X	3 9	38-G3-EQ2
Spanner, for adjusting tappets	G7, G5 and X	9	CTK 9
Spanner, double end, 3/16"x.375"	G7, G5 and X	10	3263
Spanner, double end, 1/2"x.316"	G7, G5 and X	1 3	3262
Spanner, double end, 1/2"x.316"	G7, G5 and X	1 6	3261
Spanner, triple end, .80"x1.011"x1.200"	G7, G5 and X	1 0	RTK 3
Box spanner, for sparking plug	X	1 0	17634
Spanner, for dynamo chain adjustment	G7, G5 and X	6	RTK 1
Spanner, for hub lock nut	G5 and X	1 9	11717
Spanner, for hub cones	G7	6	LTK 1
Spanner, single end, 1.590"	G7, G5 and X	1 3	RTK 4
Adjustable wrench	G5 and X	4 0	LTK 12
Box spanner, .92" hex.	G5 and X	1 6	HFK 19
Spanner, for inlet pipe union nuts	X	1 3	XTK 4
Spanner, for wheel sleeve nuts	G5	1 9	3266
Spanner, for wheel sleeve nuts	X	1 9	3265
Spanner, for contact points	G7 and G5	6	35-12-TK-1
Spanner, for contact points	X	8	LTK-5
Oil gun, for control cables (D)	G7, G5 and X	5 9	B-G-G
Chain rivet extractor (D)	G7, G5 and X	5 6	LC 25

(D) These are not included in the standard tool kit issued with each new machine.

Description.	Used on.	Price. Each.	Part Number
<b>HORN GROUP.</b>			
Support bracket, for horn (M)	G7 and G5	1 0	35-G3-EQ3
Electric horn (Clearhooter)	G7 and G5	15 6	AF-250-A
Electric horn (Lucas)	X	1 5	700-378
Bolt, fixing horn to support bracket	G7 and G5	4	STD 413
Bolt, fixing horn to tank bracket	X	4	STD 413
Washer, for horn fixing bolt	G7, G5 and X	1	STD 193
Nut, for horn fixing bolt	G7, G5 and X	2	STD 3
Bracket, for Lucas horn (N)	X	2 0	700-332

(M) This bracket is secured to the engine crankcase by the front, centre, crankcase bolt.

(N) This is a semi-circular, L shaped bracket.

ALL ABOVE PRICES, EXCEPT THOSE MARKED \*, ARE SUBJECT TO 10% INCREASE.

TYRES ARE NOT LISTED BUT CAN BE SUPPLIED AT THE PRICES CURRENT ON DATE OF DELIVERY.

## TANK SECTION.

Description.	Used on.	Price. Each.	Part Number
<b>PETROL TANK GROUP.</b>			
Tank, bare (enamelled black)	G7	4 10 0	38-G3-T105-EB
Tank, bare (plated with black panels)	G5	4 17 6	38-G3-T105-PB
Tank, bare (plated with black panels)	X	5 6 0	38-X-T105
Bracket, for front of tank	X	10	37-X-F118
Bolt, fixing bracket to frame (2 off)	X	4	STD 364
Washer, for bracket bolt (2 off)	X	1	STD 192
Nut, for bracket bolt (2 off)	X	2	STD 4
Bolt, fixing tank to frame (4 off)	G7, G5 and X	6	38-G3-T15-A
Rubber pad, thick, for tank bolt (4 off)	G7, G5 and X	2	16413
Rubber pad, thin, for tank bolt (4 off)	G7, G5 and X	2	16414
Metal washer, for tank bolt (4 off)	G7, G5 and X	2	STD 173
Water deflector, for tank	G7 and G5	6	38-G3-T113
Water deflector, for tank	X	0	38-X-T113
Screw, fixing water deflector (3 off)	G7, G5 and X	2	STD 149
Rubber washer, for deflector screw (3 off)	G7, G5 and X	1	35-G3-T115
Filler cap, for tank	G7 and G5	3 0	AT 30
Filler cap, for tank	X	2 9	17355
Tap, for petrol supply	G7, G5 and X	3 0	17907
Banjo pin, for tank connection pipe	G7, G5 and X	1	17908
Fibre washer, small, for tap and pin (2 off)	G7, G5 and X	2	STD 200
Fibre washer, large, for tap and pin (2 off)	G7, G5 and X	2	STD 201
Rubber knee pad, left	G7, G5 and X	2	38-G3-T4-L
Rubber knee pad, right	G7, G5 and X	2	38-G3-T4-R
Metal plate, for left knee pad	G7, G5 and X	6	38-G3-T34-L
Metal plate, for right knee pad	G7, G5 and X	6	38-G3-T34-R
Bolt, fixing pad plate to tank (4 off)	G7 and G5	2	STD 70
Bolt, fixing pad plate to tank (2 off)	X	2	STD 487
Washer, for pad plate bolt (4 off)	G7 and G5	1	STD 12
Spacer, for pad plate bolt (4 off)	G7 and G5	2	STD 639
Wing emblem, for tank, left side	G7, G5 and X	1 6	38-G3-T57-L
Wing emblem, for tank, right side	G7, G5 and X	1 6	38-G3-T57-R
Embossed letter M, for tank, left side	G7, G5 and X	1 6	D5T 500-L
Embossed letter M, for tank, right side	G7, G5 and X	1 6	D5T 500-R
Screw, fixing letter M and wing (4 off)	G7, G5 and X	2	STD 150
<b>OIL TANK GROUP.</b>			
Tank, bare (enamelled black)	G7 and G5	1 2 0	38-G3-T45
Tank, bare (enamelled black)	X	1 2 0	38-X-T45
Filler cap, for oil tank	G7, G5 and X	3 0	35-G3-T130
Drain plug, for tank	G7, G5 and X	3 0	STD 599
Felt filter, or cartridge	G7, G5 and X	2 6	STD 756
Spring, for filter	G7, G5 and X	4	STD 704
Dished washer, for filter spring	G7, G5 and X	3	STD 797
Screwed cap, for filter compartment	G7, G5 and X	1 6	STD 793
Cork washer, for compartment cap	G7, G5 and X	2	STD 583
Union, for feed pipe, screws into tank	G7, G5 and X	4	LE 287
Bolt, fixing oil tank stay to mudguard	G7, G5 and X	2	STD 361
Spring washer, for stay fixing bolt	G7, G5 and X	1	STD 192
Plain washer, for stay fixing bolt	G7, G5 and X	1	STD 174
Nut, for stay fixing bolt	G7, G5 and X	2	STD 4

For the nuts and washers securing the oil tank, on Models G7 and G5, see the Battery Carrier Group in the Frame Section.

For the bolts and washers securing the oil tank, on Model X, see the Battery Carrier Group in the Frame Section.

Description.	Used on.	Price. Each.	Part Number
<b>PETROL PIPE GROUP.</b>			
Pipe, complete with nipples and nuts	G7	3 0	38-37-T54
Pipe, complete with nipples and nuts	G5	3 0	38-G5-T54
Pipe, complete with nipples and nuts (B)	X	7 6	38-X-T54
Nipple, for pipe (tank end)	G7 and G5	3	STD 504
Nipple, for pipe (carburettor end)	G7 and G5	3	14-026
Union nut, for pipe (tank end)	G7 and G5	4	STD 504-N
Union nut, for pipe (carburettor end)	G7 and G5	6	14-025
Tank connection pipe, with unions	G7 and G5	4 0	38-G3-T23-A
Tank connection pipe, with unions	X	4 0	4280-1
Banjo union, for connection pipe (2 off)	G7, G5 and X	8	STD 500

(B) This is a flexible pipe. (Parts of it are not sold separately).

Description.	Used on.	Price each.	Part Number.
<b>OIL PIPE GROUP.</b>			
		£ s. d.	
Feed pipe, main, tank to engine ..... (C)	... G7 and G5	3 6	38-G3-E140
Feed pipe, main, tank to engine ..... (D)	... X	3 6	38-2A-E140
Return pipe, engine to tank ..... (E)	... G7 and G5	3 6	38-G3-E142
Return pipe, engine to tank ..... (F)	... X	3 6	4275
By-pass pipe, between pump and engine	... X	2 0	37-X-E34-A
Oil discharge pipe, for release valve (G)	... G7 and G5	1 0	D5E 848-A
Oil discharge pipe, for release valve (H)	... X	1 9	4322
Rubber connection, for feed pipe	... X	8	17618
Rubber connection for return pipe	... X	8	17618
Nipple, for feed and return pipes ... (4 off)	... G7, G5 and X	3	STD 504
Nipple, for oil discharge pipe	... G7 and G5	3	STD 505
Banjo union, for oil discharge pipe	... X	8	STD 500
Union nut, for main feed pipe ..... (2 off)	... G7, G5 and X	4	STD 504-N
Union nut, for return pipe	... X	4	STD 504-N
Union nut, for oil discharge pipe	... G7 and G5	4	STD 504-N
Gland sleeve nut, for return pipe ..... (2 off)	... G7 and G5	4	STD 506
Gland sleeve nut, for return pipe	... X	4	STD 506
Fibre washer, for oil discharge pipe	... X	2	STD 201
Metal washer, for oil discharge pipe	... X	1	STD 11
Nut, retaining oil discharge pipe	... X	2	STD 4

- (C) This is the upper of the two large pipes between the oil tank and the engine. This pipe is complete with union nuts and nipples.
- (D) This pipe leads to the most forward union in the timing case, and is in two pieces. The price includes nipples and union nuts, but not the rubber connection.
- (E) This is the lower of the two large pipes between the oil tank and the engine. It is complete with union nuts and nipples.
- (F) This is the pipe that leads from the rear union in the timing case, and is in two pieces. The price includes nipples and union nuts, but not the rubber connection.
- (G) This pipe is fixed to the crankcase release valve body.
- (H) This pipe is fixed to the release valve body that is screwed on the crankcase apex bolt.

## WHEEL AND BRAKE SECTION.

Description.	Used on.	Price each.	Part Number.
<b>FRONT WHEEL GROUP.</b>			
		£ s. d.	
Wheel, with all fittings ..... (A)	... G7	2 14 6	38-G2-H45-A
Wheel, with all fittings ..... (B)	... G5	4 18 0	38-8-H45-A
Wheel, with all fittings ..... (B)	... X	4 18 0	38-X-H45-A
Wheel, less all fittings ..... (C)	... G7	2 3 0	38-G2-H45
Wheel, less all fittings ..... (C)	... G5	2 10 6	38-8-H45
Wheel, less all fittings ..... (C)	... X	2 10 6	38-X-H45
Rim, 19"x2 1/2", chrome and black	... G7	16 6	38-F-H20
Rim, 19"x2 1/2", chrome and black	... G5	16 6	35-8-H21
Rim, 19"x3", chrome and black	... X	16 6	35-2-H20
Spoke, left, 8 1/16"x8g.x10g. .... (20 off)	... G7	2	37-G2-H51
Spoke, left, 5 3/16"x8g.x10g. .... (20 off)	... G5	2	37-X-H51
Spoke, left, 8 1/16"x6g. .... (20 off)	... X	2	36-2-H51
Spoke, right, 8 3/16"x8g.x10g. .... (20 off)	... G7	2	37-G2-H52
Spoke, right, 8 3/16"x9g.x11g. .... (20 off)	... G5	2	12399
Spoke, right, 8"x6g. .... (20 off)	... X	2	36-2-H52
Nipple, for spoke, left ..... (20 off)	... G7	1	20680
Nipple, for spoke, left ..... (20 off)	... G5 and X	1	20678
Nipple, for spoke, right ..... (20 off)	... G7, G5 and X	1	20680
Hub shell, with brake drum, bare	... G7	12 1	37-G2-H1
Hub shell, with brake drum, bare	... G5 and X	1 12 6	38-8-H19
Grease nipple, for hub shell (angular)	... G7	3	38-FBH-10-A
Grease nipple, for hub shell (angular)	... G5 and X	6	STD 54

- (A) Includes all brake parts and bearings, assembled, but does not include: tyre, speedometer driving pinion, speedometer gearbox and speedometer small union.
- (B) Includes all brake parts and bearings, assembled, but does not include: tyre, centre solid spindle, speedometer driving pinion, speedometer gearbox and speedometer small pinion.
- (C) Includes: rim, hub shell and brake drum, assembled.  
For speedometer driving parts, see Speedometer Group on Page 26.

Description.	Used on.	Price Each.	Part Number
<b>FRONT WHEEL BEARING GROUP, TAPER ROLLER BEARING WHEEL.</b>			
		£ s. d.	
Hollow spindle, with roller bearings	... G5 and X	15 0	11908
Felt washer, for bearings ..... (2 off)	... G5 and X	2	11909
Spring ring, for bearings	... G5 and X	2	11910
Cup, for felt washer	... G5 and X	3	11911
Spacing ring, for felt washer	... G5 and X	2	11912
Retaining ring, for felt washer ..... (3 off)	... G5 and X	6	11913
Lock nut, for bearing adjusting ring	... G5 and X	1 3	11914
Adjusting ring, for bearings	... G5 and X	1 6	11915
Centre solid spindle	... G5 and X	2 6	36-8-H10
Distance piece, for solid spindle	... G5 and X	3	36-8-H26
Nut, left, for solid spindle	... G5 and X	6	12221
Nut, right, for solid spindle	... G5 and X	3	STD 2
Washer, for solid spindle ..... (2 off)	... G5 and X	1	STD 9

Description.	Used on.	Price Each.	Part Number
<b>FRONT WHEEL BEARING GROUP, BALL BEARING WHEEL.</b>			
Cup, for hub shell ..... (2 off)	... G7	7	38-FBH-25
Cone, left side (shallow)	... G7	2	38-FBH-15
Cone, right side (deep)	... G7	2	38-FBH-14
Lock nut, for cone, left side, thin	... G7	4	38-FBH-17
Lock nut, for cone, right side, thick	... G7	4	38-FBH-16
Washer, for cone, left side	... G7	2	38-FBH-18
Balls, for hub bearing ..... per set (20 off)	... G7	8	38-FBH-12
Dust cap, for hub shell ..... (2 off)	... G7	2	38-FBH-11
Axle, for front wheel	... G7	2	38-FBH-13
Plain washer, for axle end ..... (2 off)	... G7	1	STD 8
Nut, for axle end, right side	... G7	4	10215
Nut, extended type, for axle end, left side	... G7	7	297

Description.	Used on.	Price Each.	Part Number
<b>FRONT BRAKE GROUP.</b>			
Brake drum, bare	... G5 and X	10 6	12389
Screw, fixing drum to shell ..... (8 off)	... G5 and X	2	STD 140
Cover plate, for brake shoes	... G7	5 1	38-FBH-1-A
Cover plate, for brake shoes	... G5 and X	12 0	38-8-B60
Distance piece, for cover plate	... G7	5	38-FBH-19
Lock nut, for cover plate	... G5 and X	3	STD 2
Anchor bolt, for cover plate	... G5 and X	4	D8B 2862
Spring washer, for anchor bolt	... G5 and X	1	STD 193
Nut, thick, for anchor bolt	... G5 and X	2	STD 3
Lock nut, thin, for anchor bolt	... G5 and X	2	STD 73
Brake shoes, with linings, per pair	... G7	5 0	38-FBH-7
Brake shoes, with linings, per pair	... G5 and X	9 0	16297-1
Top brake shoe, only, with lining	... G5 and X	4 6	16297-1-A
Bottom brake shoe, only, with lining	... G5 and X	4 6	16297-1-B
Brake linings, with rivets, per pair	... G7	3 0	38-FBH-8
Brake linings, with rivets, per pair	... G5 and X	3 0	3836-2
Rivets, only, for linings, per set ..... (16 off)	... G5 and X	3	STD 106
Spring, for brake shoes ..... (2 off)	... G7	3	38-FBH-9
Spring, for brake shoes ..... (2 off)	... G5 and X	2	16485
Expander, or cam, for brake shoes ... (C)	... G7	2	38-FBH-5
Expander, or cam, for brake shoes	... G5 and X	3 3	36-8-B51
Lever, for brake expander	... G7	2	38-FBH-4
Lever, for brake expander	... G5 and X	3 3	16299
Crosshead, for brake expander lever	... G7	5	38-FBH-22
Grease nipple, for brake expander	... G7	2	38-FBH-3-A
Grease nipple, for brake expander	... G5 and X	2	STD 51
Washer, for brake expander	... G7	1	38-FBH-4-2
Washer, for brake expander	... G5 and X	1	STD 174
Nut, for brake expander	... G7	2	38-FBH-4-1
Nut, for brake expander	... G5 and X	2	STD 4
Plug screw, for brake cover plate ... (D)	... G7	7	38-FBH-1-B
Plug screw, for brake cover plate ... (D)	... G5 and X	10	38-12-R62

(C) Price includes nut and washer.

(D) Only used when no speedometer is fitted.

For brake operating parts, see Handlebar Group and Control Cable Group in the Frame Section.

Description.	Used on.	Price Each.	Part Number
<b>REAR WHEEL GROUP.</b>			
Wheel, with all fittings ..... (E)	... G7	4 2 6	37-G2-H31-A
Wheel, with all fittings ..... (F)	... G5	3 17 0	12331-A
Wheel, with all fittings ..... (F)	... X	3 17 9	38-2A-H45-A
Wheel, less all fittings ..... (G)	... G7	2 5 6	37-G2-H31
Wheel, less all fittings ..... (G)	... G5	2 14 0	12331
Wheel, less all fittings ..... (G)	... X	2 14 0	38-2A-H45
Rim, 19"x2 1/2", chrome and black	... G7	16 6	38-F-H20
Rim, 19"x2 1/2", chrome and black	... G5	16 6	35-8-H21
Rim, 19"x3", chrome and black	... X	16 6	35-2-H20
Spoke, left, 6 1/16"x8g.x10g. .... (20 off)	... G7	2	35-G8C-H51
Spoke, left, 8 3/16"x9g. .... (20 off)	... G5	2	12343
Spoke, left, 8 1/16"x6g. .... (20 off)	... X	2	36-2-H51
Spoke, right, 8 3/16"x8g.x10g. .... (20 off)	... G7	2	37-G2-H52
Spoke, right, 8 3/16"x9g. .... (20 off)	... G5	2	12343
Spoke, right, 8"x6g. .... (20 off)	... X	2	36-2-H52
Nipple, for spoke, left ..... (20 off)	... G7	1	20680

Description.	Used on.	Price each.	Part Number.
£ s. d.			
Nipple, for spoke, left (20 off)	G5	1	12344
Nipple, for spoke, left (20 off)	X	1	36-2-H34
Nipple, for spoke, right (20 off)	G7	1	20680
Nipple, for spoke, right (20 off)	G5	1	12344
Nipple, for spoke, right (20 off)	X	1	36-2-H34
Hub shell, with brake drum, bare	G7	14 0	38-BBH-33
Hub shell, bare	G5	1 6 3	11903-1
Hub shell, bare	X	1 6 3	38-2A-H19
Grease nipple, angular, for hub shell	G7	3	38-FBH-10-A
Grease nipple, angular, for hub shell	G5 and X	6	STD 54

(E) Includes: all bearings, axle washers, axle nuts, all brake parts and sprocket, assembled. (Does not include tyre).

(F) Includes: all bearings, assembled, but does not include centre solid spindle, axle washers, axle nuts, brake parts, sprocket and tyre.

(G) Includes: rim, spokes and hub shell, assembled.

It should be noted that only on Model G7 is the brake drum integral with the hub shell.

#### REAR WHEEL BEARING GROUP. TAPER ROLLER BEARING WHEEL.

Hollow spindle, with roller bearings	G5	17 6	11905
Hollow spindle, with roller bearings	X	17 6	16267
Spring ring, for bearing	G5	2	11910
Spring ring, for bearing	X	2	16265
Cup, for felt washer	G5	5	11911
Cup, for felt washer	X	2	16264
Spacing ring, for felt washer	G5	2	11912
Spacing ring, for felt washer	X	2	16263
Felt washer, for bearings (2 off)	G5	2	11909
Felt washer, for bearings (2 off)	X	2	16266
Felt retaining ring, small hole (2 off)	G5	6	11913
Felt retaining ring, small hole (2 off)	X	2	16262
Felt retaining ring, large hole	G5	3	11999
Felt retaining ring, large hole	X	2	3855
Lock nut, for bearing adjusting ring	G5	1 3	11914
Lock nut, for bearing adjusting ring	X	1 3	16261
Adjusting ring, for bearings	G5	1 6	11915
Adjusting ring, for bearings	X	1 6	16258
Centre solid spindle	G5	2 6	37-8-H4
Centre solid spindle	X	4 9	36-2-H4
Distance piece for spindle (outside)	G5	3	36-8-H16
Distance piece for spindle (outside)	X	4	4343
Distance piece for spindle (inside)	G5	3	10086
Distance piece for spindle (inside)	X	3	4172
Washer, for solid spindle	G5	1	STD 9
Washer, for solid spindle	X	1	STD 8
Nut, left, for solid spindle	G5	6	12221
Nut, left, for solid spindle	X	7	297

It should be noted that hollow spindles with roller bearings are only sold complete, as listed. Parts only, such as separate rollers and outer cups, cannot be supplied.

#### REAR WHEEL BEARING GROUP. BALL BEARING WHEEL.

Cup, for hub shell (2 off)	G7	7	38-BBH-45
Cone, left side (shallow)	G7	2 2	38-BBH-38
Cone, right side (deep)	G7	2 2	38-BBH-37
Lock nut, for cone, left side, thin	G7	4	38-BBH-40
Lock nut, for cone, right side, thick	G7	4	38-BBH-39
Washer, for cone, left side	G7	2	38-BBH-41
Balls, for hub bearing per set (20 off)	G7	8	38-BBH-35
Dust cap, for hub shell (2 off)	G7	2	38-BBH-34
Axle, for rear wheel	G7	2 2	38-BBH-36
Plain washer, for axle end (2 off)	G7	1	STD 8
Nut, for axle end	G7	4	10215

#### REAR BRAKE AND SPROCKET GROUP.

Rear wheel chain sprocket (H)	G7	7 6	38-BBH-46
Brake drum and sprocket (J-1)	G5	1 16 9	37-8-B15-A
Brake drum and sprocket (J-2)	X	1 16 9	36-2-B15-A
Centre only, for brake drum	G5	1 9	36-8-B16
Centre only, for brake drum	X	2 0	35-2-B16
Rivet, for drum centre (3 off)	G5 and X	1	STD 45
Driving stud, threaded (3 off)	G5	4	10083
Driving stud, threaded (3 off)	X	4	3508
Driving stud, plain (3 off)	G5	2	10082
Driving stud, plain (3 off)	X	2	678
Bolt, fixing sprocket to drum (6 off)	G7	2	38-BBH-47-A
Bolt, fixing wheel to drum (3 off)	G5	3	11916-1
Bolt, fixing wheel to drum (3 off)	X	2 9	16269
Nut, for sprocket fixing bolt (6 off)	G7	1	38-BBH-47-B
Dummy spindle, for brake drum	G5	1 9	37-8-H104
Dummy spindle, for brake drum	X	1 9	36-2-H104
Washer, for dummy spindle	G5	2	STD 176
Washer, for dummy spindle	X	1	STD 182

Description.	Used on.	Price each.	Part Number.
£ s. d.			
Nut, for dummy spindle	G5	5	STD 229
Nut, for dummy spindle	X	6	STD 231
Brake cover plate, bare	G7	5 3	38-BBH-24-A
Brake cover plate, bare	G5	13 0	37-8-B20
Brake cover plate, bare	X	13 0	36-2-B20
Distance piece, for cover plate	G7	5	38-BBH-42
Distance piece, for cover plate	G5	3	37-8-B54
Distance piece, for cover plate	X	4	38-2A-B54
Lock nut, for cover plate	G5	2	STD 224
Lock nut, for cover plate	X	7	STD 232
Anchor bolt, for cover plate	G7	5	36-12-B7
Anchor bolt, for cover plate	G5	5	37-8-B7
Anchor bolt, for cover plate	X	4	4166
Washer, for anchor bolt	G7	1	STD-11
Nut, for cover plate anchor bolt	G7	2	STD 4
Nut, for cover plate anchor bolt	G5 and X	2	STD 3
Split pin, for anchor bolt	G7 and G5	3	STD 14
Split pin, for anchor bolt	X	1	STD 6
Brake shoes, with linings ... per pair	G7	7 4	38-BBH-30
Brake shoes, with linings ... per pair	G5	9 0	16297-1
Brake shoes, with linings ... per pair	X	11 6	1310
Top brake shoe, only, with lining	G5	6	16297-1-A
Top brake shoe, only, with lining	X	9	1310-A
Bottom brake shoe, only, with lining	G5	6	16297-1-R
Bottom brake shoe, only, with lining	X	9	1310-B
Brake linings, with rivets ... per pair	G7	1	38-BBH-31
Brake linings, with rivets ... per pair	G5	0	3863-2
Brake linings, with rivets ... per pair	X	6	3863-1
Rivets, only, for linings ... per set (16 off)	G5 and X	3	STD 106
Spring, for brake shoes (2 off)	G7	3	38-BBH-32
Spring, for brake shoes (2 off)	G5 and X	2	16485
Expander, or cam, for brake shoes (K)	G7	2 2	38-BBH-28
Expander, or cam, for brake shoes	G5	3 3	36-8-B51
Expander, or cam, for brake shoes	X	6	182-2
Lever, for brake expander	G7	2 4	38-BBH-27
Lever, for brake expander	G5	2 2	38-G3-B30
Lever, for brake expander	X	3	38-2A-B30
Grease nipple, for brake expander	G7	2	38-FBH-3-A
Grease nipple, for brake expander	G5 and X	2	STD 51
Washer, for brake expander	G7	1	38-BBH-28-A
Washer, for brake expander	G5	1	STD 174
Washer, for brake expander	X	1	STD 10
Nut, for brake expander	G7	2	38-BBH-28-R
Nut, for brake expander	G5	2	STD 4
Nut, for brake expander	X	2	STD 3

(H) This sprocket has 52 teeth,  $\frac{1}{2}$ in.x.305in.

(J-1) This sprocket has 42 teeth,  $\frac{1}{2}$ in.x.330in., and is supplied with threaded and plain driving studs and brake drum centre, assembled.

(J-2) This sprocket has 43 teeth,  $\frac{1}{2}$ in.x.380in., and is supplied with threaded and plain driving studs and brake drum centre, assembled.

(K) Price includes nut and washer.

#### REAR BRAKE OPERATING GROUP.

Brake foot pedal	G7 and G5	7 6	37-G3-B1
Brake foot pedal	X	10 6	38-X-B1
Bush, for foot pedal	G7, G5 and X	6	37-G3-B3
Grease nipple, angular, for foot pedal	G7, G5 and X	6	STD 54
Spindle, for foot pedal	G7, G5 and X	9	37-G3-B2
Plain washer, for pedal spindle	G7, G5 and X	1	STD 9
Spring washer, for pedal spindle	G7, G5 and X	1	STD 194
Nut, for pedal spindle	G7, G5 and X	3	STD 2
Return spring, for foot pedal	G7, G5 and X	6	37-G3-B8
Adjusting bolt, for foot pedal	G7, G5 and X	4	STD 365
Lock nut, for pedal adjusting bolt	G7, G5 and X	2	STD 4
Brake rod, with front end yoke (N)	G7	2 6	37-G7-B5-A
Brake rod, bare	G5	3 0	37-G3C-B5
Brake rod, bare	X	1 6	38-X-B5
Yoke end, for front end of rod	G5 and X	10	STD 735
Pin, for yoke end	G5 and X	3	STD 736
Split pin, for yoke end pin	G5 and X	1	STD 14
Spring, for brake rod	G5 and X	3	56-G3-B18
Washer, for brake rod spring	G5 and X	2	STD 178
Adjusting clip, for rear end of rod	G5 and X	1 6	11772
Pin, for adjusting clip	G5 and X	3	STD 736
Split pin, for adjusting clip pin	G5 and X	1	STD 14
Crosshead, for expander lever	G7	5	38-BBH-44
Knurled adjusting nut, for brake rod	G7	7	38-BBH-43
Knurled adjusting nut, for brake rod	G5 and X	1 9	STD 615

(N) Only supplied complete with yoke end for front end of rod.

# ELECTRICAL SECTION.

Description.	Used on.	Price. Each.	Part Number
<b>COIL IGNITION GROUP.</b>			
Coil, only	G7 and G5	15 0	221-M
Band clip, for coil	G7 and G5	1 3	37-12-E307
Screw, for band clip	G7 and G5	1	STD 40
Nut, for band clip screw	G7 and G5	2	STD 24
Clamping stud, for distributor unit	G7 and G5	2	STD 250
Washer, for distributor clamping stud	G7 and G5	1	STD 190
Nut, for distributor clamping stud	G7 and G5	1	STD 80
Distributor cover, with condenser	G7 and G5	5 0	3-M
Post and blade, for distributor cover	G7 and G5	1 0	9-M
Cam, for contact breaker	G7 and G5	2 6	11-M
Screw, fixing contact breaker cam	G7 and G5	3	12-M
Washer, for contact breaker cam screw	G7 and G5	1	12-A-M
Contact breaker base, with points	G7 and G5	7 6	10-M
Screw, fixing contact breaker base (A)	G7 and G5	2	19-M
Rocker arm, with contact point	G7 and G5	3 6	13-M
Screw, fixing contact point	G7 and G5	2 0	14-M

(A) Price includes washer.  
For contact breaker and parts, see Control Cable Group in the Frame Section.

Description.	Used on.	Price. Each.	Part Number
<b>MAGNETO GROUP.</b>			
Magneto, complete (Lucas, Type KNV/AO)	X	5 0 0	37-X-M
High tension pick up, complete, front (B)	X	2 0 0	463-088
High tension pick up, complete, rear (B)	X	2 0 0	463-066
High tension carbon brush and spring (2 off)	X	6	451-260
Cover, for contact breaker	X	1 9	M325-4
Contact breaker, complete	X	13 0	470-534
Contact breaker point set (C)	X	3 6	ST 78
Platform, for magneto	X	4 0	37-X-E76
Bolt, fixing magneto to platform (4 off)	X	4	STD 400
Bolt, fixing rear of platform to frame (D)	X	7	37-X-F234
Bolt, fixing front of platform to frame (E)	X	6	37-X-F12
Washer, for rear bolt (2 off)	X	1	STD 10
Washer, for front bolt (4 off)	X	1	STD 11
Spacer, for rear bolt, 1 1/4" long	X	3	37-X-E195
Spacer, for rear bolt, 1 5/16" long	X	4	37-X-E194
Spacer, for rear bolt, 1 3/16" long	X	3	37-X-E196
Spacer, for front bolt, 1 1/16" long	X	2	MF 8
Spacer, for front bolt, 1 3/16" long	X	2	LM 15
Spacer, for front bolt, 1 1/4" long	X	3	37-X-F77
Spacer, for front bolt, 2 1/4" long	X	3	L4M 135
Nut, for rear bolt (2 off)	X	2	STD 3
Nut, for front bolt (2 off)	X	2	STD 4
Magneto shield	X	2 6	37-X-E290
Bolt, fixing magneto shield (2 off)	X	2	STD 70
Nut, for shield fixing bolt (2 off)	X	2	STD 5

(B) Price includes carbon brush and spring.  
(C) Consists of one complete set of contact breaker points and rocker arm.  
(D) Dimensions: 8 1/2 in. x 1 in. This bolt is also listed in the Crankcase Bolt Group in the Engine Section.  
(E) Dimensions: 8 1/2 in. x 5/16 in.

Description.	Used on.	Price. Each.	Part Number
<b>DYNAMO GROUP.</b>			
Dynamo, complete (Miller, Type D.V.R.)	G7 and G5	2 12 6	20863
Dynamo, complete (Lucas, Type E5.A.R.)	X	2 10 0	35-G3-E274
Support ring, for dynamo (F)	X	9	37-X-E282
Locating plate, for dynamo (G)	G7 and G5	9	35-G3-E275
Locating plate, for dynamo (G)	X	9	37-X-E275
Screw, fixing locating plate	G7, G5 and X	2	STD 44
Washer, for locating plate screw	G7, G5 and X	1	STD 178
Strap, clamping dynamo	G7 and G5	1 6	STD 790
Strap, clamping dynamo	X	1 6	36-20-E281
Bush, for dynamo clamping strap (H)	X	3	4026-L
Threaded collar, for clamping strap	G7, G5 and X	5	35-G3-E277
Hinge pin, for clamping strap	G7 and G5	4	STD 791
Hinge pin, for clamping strap	X	4	STD 278
Spacer, on hinge pin (J)	X	3	4026-L
Bolt, tightening, for clamping strap	G7, G5 and X	8	35-G3-F280
Spacer, on strap tightening bolt	X	2	LM 75-R
Square crosshead, for clamping strap bolt	G7 and G5	9	36-G2A-E279
Square crosshead, for clamping strap bolt	X	9	35-G3-F279
Spacer, on square crosshead (K)	X	3	36-20-F283
Washer, for square crosshead (L)	X	1	STD 11
Nut, for square crosshead (2 off)	X	2	STD 4

(F) This plate is positioned midway between the two engine plates and encircles the dynamo.  
(G) This is a slightly curved plate screwed to the dynamo body.

Description.	Used on.	Price each.	Part Number.
(H) This fits in the forward eye of the dynamo clamping strap.			
(J) This spacer fits on the hinge pin and is between the dynamo support ring and the right engine plate.			
(K) This spacer fits on the circular portion of the square crosshead and is between the dynamo support plate and the right engine plate.			
(L) This is fitted on the left hand side of the crosshead. The rear exhaust pipe is supported by the right side of the square crosshead.			

Description.	Used on.	Price each.	Part Number.
<b>VOLTAGE CONTROL UNIT GROUP.</b>			
Voltage control unit, complete, Miller	G7 and G5	17 6	C-V-1
Voltage control unit, complete, Lucas	X	1 0	390-409
Bracket, for control unit	G7 and G5	1 6	36-12-T60-A
Bolt, fixing unit to bracket (2 off)	G7 and G5	1	STD 450
Washer, for unit fixing bolt (2 off)	G7 and G5	1	STD 190
Bolt, fixing bracket to oil tank (2 off)	G7 and G5	2	STD 70
Washer, for bracket fixing bolt (2 off)	G7 and G5	1	STD 12
Bolt, fixing unit to battery carrier (2 off)	X	2	STD 70
Washer, for unit fixing bolt (2 off)	X	1	STD 12
Nut, for unit fixing bolt (2 off)	X	2	STD 5

On Models G7 and G5 the nuts for the screws fixing the control unit to its bracket are welded to the bracket.

Description.	Used on.	Price each.	Part Number.
<b>BATTERY GROUP.</b>			
Battery, complete with lid (Exide)	G7 and G5		B-612
Battery, complete with lid (Lucas)	X		PUW-7E
Lid, only, for Exide battery	G7 and G5		188
Lid, only, for Lucas battery	X		S-2171-1-B

Description.	Used on.	Price each.	Part Number.
<b>HEAD LAMP GROUP.</b>			
Complete lamp, black (Miller 80E)	G7 and G5	0	80E
Complete lamp, black (Lucas D142-F)	X	6	516-635
Outer shell, bare, black	G7 and G5	8	109
Outer shell, bare, black	X	16	515-517
Front rim, bare, plated (P)	G7 and G5	7	80-E-101
Front rim, bare, plated (P)	X	6	515-172
Glass, only	G7 and G5	1	80-E-102
Glass, only	X	2	NC-305-37
Main bulb, 6 volt, 24x24 watts	G7, G5 and X	3	70
Pilot bulb, 6 volt, 3 watts	G7, G5 and X	1	200
Lamp stay, or bracket, top (2 off)	G7	6	FFF 74
Lamp stay, or bracket, top (2 off)	G5 and X	6	FFF 73
Lamp stay, or bracket, bottom (2 off)	G7	6	FFF 73
Lamp stay, or bracket, bottom (2 off)	G5 and X	6	36-G3-FF73
Bolt, fixing stay to fork (4 off)	G7	2	STD 70
Bolt, fixing stay to fork (4 off)	G5 and X	3	STD 360
Washer, for stay fixing bolt (4 off)	G5 and X	1	STD 192

(P) Price does not include glass.

Description.	Used on.	Price each.	Part Number.
<b>REAR LAMP GROUP.</b>			
Lamp, complete (Miller)	G7 and G5	4 6	35E
Lamp, complete (Lucas)	X	8 6	526-082
Portion of lamp, with glass	G7 and G5	1 9	121
Portion of lamp, with glass	X	3 0	526-113
Portion of lamp, with bulb holder (R)	G7 and G5	2 0	122
Portion of lamp, with bulb holder (R)	X	4 6	526-111
Bulb, 6 volts, 3 watts	G7, G5 and X	1 3	200
Screw, fixing lamp to number plate (S)	G7 and G5	2	121-A
Screw, fixing lamp to number plate (T)	X	1	LL-47
Nut, for lamp fixing screw (T)	X	1	LL-54

(R) Price does not include bulb.

(S) Price includes washer and nut, three screws, washers; and nuts are used.

(T) Three are used.

Description.	Used on.	Price each.	Part Number.
<b>SUNDRIES GROUP.</b>			
Lighting switch, complete (in panel)	G7 and G5	7 6	125
Lighting switch, complete (in panel)	X	7 6	RS-39-L1
Handle, only, for switch (V)	G7 and G5	1 0	128-128-A
Handle, only, for switch (V)	X	9	351-567
Ignition key, only	G7 and G5	3	126
Dipping switch, complete, for handlebar	G7, G5 and X	3 6	LES-6
Inspection lamp, complete (W)	X	6 6	545-035
Bulb, 6 volts, 3 watts, for inspection lamp	X	1 3	200
Bulb, for ignition warning lamp (X)	G7 and G5	3	ELB-4-8
Ammeter, complete (in panel)	G7 and G5	7 0	132
Ammeter, complete (in panel)	X	7 6	BM4-L-15
Sparking plug (Lodge, Type C 14) (Y)	G7, G5 and X	0	C-14
High tension cable, per foot (Z)	G7, G5 and X	6	38-G3-E531
Terminal, for high tension cable (Y)	G7, G5 and X	2	STD 541
Electric light cable, single, per foot	G7, G5 and X	1	ELC
Electric light cable, triple, per foot	G7, G5 and X	4	ELC-3
Plug connector, for rear lamp cable	G7 and G5	1 0	M-58
Screwed connector, for rear lamp cable	X	1 0	SW-2203-A

(V) Price includes fixing screw. (W) Price includes extension cable and bulb.

(X) 8 volts, 1 amp. (Y) Two are used on Model X.

(Z) Order two feet for Models G7 and G5, and four feet for Model X.

NOTE.—THE PRICES OF ALL COMPLETE HEAD AND TAIL LAMPS INCLUDE ALL BULBS

ALL INFORMATION CONTAINED

HEREIN IS UNCLASSIFIED

DATE 08/14/2001 BY SP-6 [redacted]

REASON: [redacted]

DATE 08/14/2001 BY SP-6 [redacted]

REASON: [redacted]

DATE 08/14/2001 BY SP-6 [redacted]

RH1940