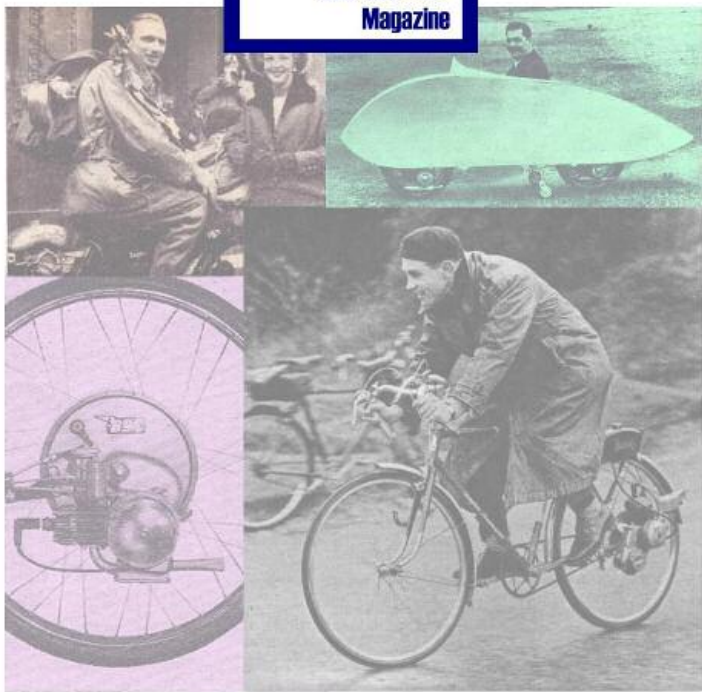


# IceniCAM Information Service



[www.icenicam.org.uk](http://www.icenicam.org.uk)

HANDBOOK  
AND  
SPARES LIST  
OF



AUTOCYCLE

THE JAMES CYCLE CO. LTD.

Works: GREET, BIRMINGHAM

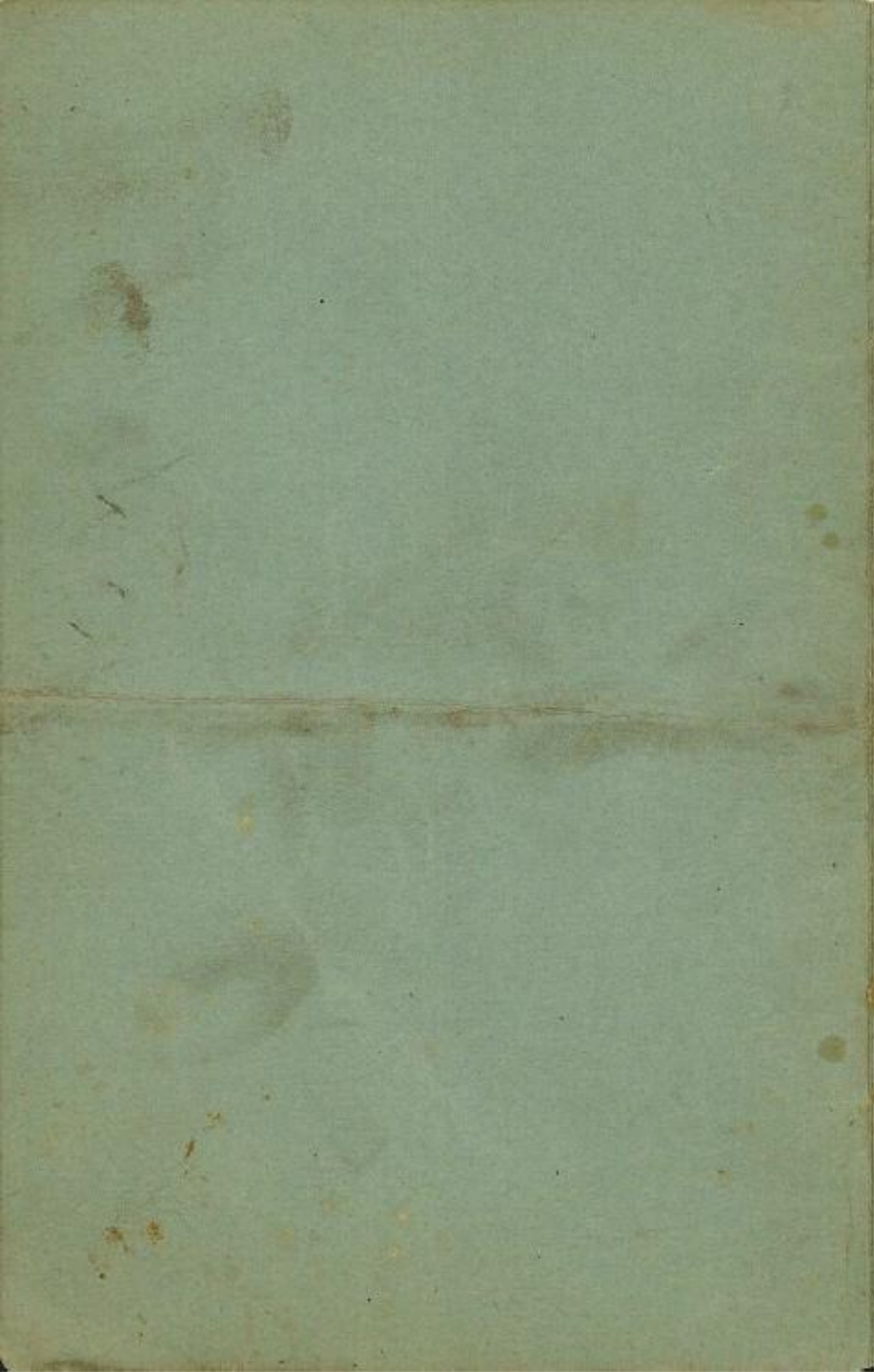
Telephone: VIC 2211

Telegrams: Bicycles, Birmingham

London Showrooms: 21-22 Holborn Viaduct, E.C.1

Telephone: CITY 74489

Telegrams: Jacycorn, London



# INSTRUCTIONS

FOR



## AUTOCYCLE

Before taking your Auto Cycle on the road, it is advisable to make yourself conversant with the controls.

The Throttle is operated by a single lever situated on the right-hand side of the Handlebar, while on the left-hand side of the Handlebar there is a small lever operating the Release Valve and the Clutch Lever with Ratchet operation. This Ratchet device is to assist when the Machine is to be wheeled with the Clutch held out for any lengthy period, but it is very bad practice to hold the Clutch out for a long period with the Engine running. This will cause wear on the Clutch Plates.

The Brakes are operated by the inverted levers on the Handlebar, the Rear Brake by the right-hand Lever and the Front Brake by the left-hand Lever.

When preparing to take the machine on the road, the Tank should be filled up with any of the good Grades of Petrol, with which you have mixed  $\frac{1}{2}$  pint of oil to 1 gallon of petrol. We recommend the following grades: Castrol XL, Mobiloil D, Essolube Racer, Golden Shell Extra Heavy or Motorine B. De Luxe. Next turn on the petrol and operate the Strangler Control by pulling this upwards. This Control is situated just forward of the Tank. Next set the Throttle Lever  $\frac{1}{2}$  open and lift Release Valve Lever; the Machine can be started by pedalling as with an

ordinary Push Bicycle. When sufficient momentum has been obtained, drop the Release Valve and the Engine will fire immediately. The Strangler should be opened when the engine has warmed up.

The alternative method of starting is to place the Machine on the Stand and follow the same instructions, but before taking the Machine off the Stand, to mount into the Saddle, the Clutch Lever must be held out. The Clutch can then be gently released to start the Machine in motion. Do not sit on the Machine with the Engine running for any length of time.

To stop the Machine the Throttle Lever should be brought to the closed position and the Clutch Lever held up. On steep or severe hills assist the Engine with the Pedals, if necessary.

## LUBRICATION.

**Oil Monthly.** Chains,  
Brake Joints,  
Head bearing,  
Bottom bracket,  
Pedals.

**Grease every 1,000 miles.** Hubs,  
Head Bearings.

## GENERAL MAINTENANCE.

### DECARBONISING.

This should take place after approx. every 1500 miles.

(1). First of all remove all parts that are affixed to cylinder, that is the carburettor: this can be removed by undoing Petrol Pipe Nut at tank end and unscrewing pin on cylinder at cylinder port, the carburettor will then come away complete.

(2). Disconnect H.T. Lead from sparking plug and take out sparking plug.

(3). Unloosen the pin holding the release valve Bracket to cylinder. By doing this the whole of the bracket will come away, then unscrew the release valve complete.

(4). Take off the rear Barrel Silencer by undoing the bolt and clip on rear chain stay and the clip fixing same to Aluminium Silencer (if any difficulty arises when removing this, it will be due to the carbon which has bound the tail pipe to the silencer port, we recommend pouring a little paraffin oil into the port, then by

taking hold of the barrel part of the silencer and twisting same backwards and forwards at the same time pulling towards rear of machine it will gradually come away.

(5). Take off aluminium silencer by undoing the two nuts on cylinder flange and the two  $\frac{5}{16}$  nuts on rear of silencer the clip of which supports same to unit.

(6). Take off the 4 cylinder holding nuts, the cylinder will then come away quite easily, but care must be taken not to turn the cylinder whilst withdrawing as the ends of the piston rings may foul the cylinder ports. The same care must be taken when re-assembling.

(7). Take off both piston rings, clean all carbon deposit in grooves also on piston top and inside head of cylinder barrel, wash all parts in paraffin or petrol, if the piston is not removed from connecting rod place a piece of rag round the rod and over the crank case hole to avoid any dirt entering the engine.

(8). Re-assemble all parts the reverse way, making certain that all joints are satisfactory. It is advisable to fit a new cylinder base washer.

### **CARBURETTOR.**

To improve petrol consumption the carburettor needle should be adjusted as follows:—First of all remove Throttle by unscrewing the top ring. At the head of the throttle there is a small screw. Turning this in a clockwise direction, which lowers the Needle, will give a weaker setting. Turning in an anti-clockwise direction will give a richer setting. For adjustment give approximately half a turn at a time until found to be correct.

If the Float Cup has to be removed at any time for cleaning etc., when reassembling do not use too much force in tightening the bottom nut.

Periodically see that the gauze in the Petrol Pipe "Banjo" Connection is free from dirt etc. or the petrol will not flow freely.

### **ADJUSTMENTS.**

Unloosen head locknut, then take up any play by screwing the top ball race right hand thread, (be careful not to adjust too tight, otherwise the balls will lock themselves). Be sure and retighten locknut after adjustment is completed.

The main Drive Chain should be kept correctly adjusted. This is carried out by releasing the clip securing the Brake Anchor Arm and the Spindle Nuts and bringing the Wheel back evenly by means of the Chain adjusters. Afterwards tighten spindle nuts and Brake Arm Clip.

The Pedal Chain is fitted with a Spring Tension Jockey Pulley which automatically adjusts this chain. (Chains should be kept well lubricated). Any slackness in the Bottom Bracket is taken up by means of the Cup and Lock Ring in the Bracket Shell from the left side.

## **GENERAL HINTS.**

Do not use the Exhaust Valve Lifter as a governor.

A common cause of loss of power is obstruction in the Silencer and Tail Pipe by carbon and when the Engine is decarbonised it is advisable to clean out the Silencer at the same time.

After the machine has been standing for any length of time before turning on the Petrol Tap, shake the machine to ensure the Oil being well mixed with the Petrol.

The correct sizes of Bulbs are, Head Lamp Main Bulb 6 Volt .5 amp., Pilot Bulb 4 Volt .3 amp. screw-in cap, Tail Lamp 3.5 Volt .3 amp. screw-in cap.

## **WHEN ORDERING SPARE PARTS.**

It is sufficient to quote only the "Part No." when ordering but the frame or engine No. must always be given.

An extra amount must always be included in remittances to cover the cost of postage or carriage on spare parts.

We are always prepared to send goods by C.O.D. method when requested.

When sending parts for replacement, repair or as patterns, the name and address of sender should always be securely attached and full instructions explaining what is required should be sent separately by post. If instructions are sent with parts, they are liable to be lost or damaged in unpacking.

## **ESTIMATES.**

If required we are always prepared to give an estimate before proceeding with any repair. This entails a certain amount of labour in dismantling to ascertain what new parts will be required and therefore in the case of any estimate not being accepted, a small charge is made for the mechanics time in taking down the parts for repair.

Estimates must be treated as approximate only. We reserve the right to include additional parts should these be found necessary after further examination or test, to make the repair satisfactory.

# SPARE PARTS

FOR



# AUTOCYCLE

ALL PRICES ARE INCREASED BY 5%

£ s. d.

## FRAME.

18/1	Frame complete with all Pins, Nuts, Washers and Bolts	...	...	...	...	...	...	2	5	0
18/2	Seat Pillar	...	...	...	...	...	...	1	3	
18/3	Seat Pillar Bolt	...	...	...	...	...	...		3	
18/4	Seat Pillar Bolt Nut	...	...	...	...	...	...		1	
18/5	Seat Pillar Bolt Washer	...	...	...	...	...	...		1	

## FORK.

18/11	Fork Girder	...	...	...	...	...	...	15	0	
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## HEAD SET.

18/16	Bottom Frame Race	...	...	...	...	...	...		9	
18/17	Fork Crown Race	...	...	...	...	...	...		6	
18/18	Top Frame Race	...	...	...	...	...	...		9	
18/19	Screwed Head Race	...	...	...	...	...	...	1	0	
18/20	Distance Washer	...	...	...	...	...	...		2	
18/21	Locknut	...	...	...	...	...	...		4	
18/22	Lamp Bracket	...	...	...	...	...	...		4	
18/23	Ball Bearings (per set, top and bottom)						per set		3	

All prices each, unless otherwise stated.



## HANDLEBAR SET.

		£		s.		d.
18/24	Handlebar complete with Grips, Expander Bolt, Brake Levers, Clutch Lever, Release Valve Lever and Cables ... ..	1		6		6
18/25	Handlebar only, with Grips ... ..			9		0
18/26	Handlebar Grips ... .. per pair			1		0
18/27	Handlebar Expander Bolt ... ..					8
18/28	Handlebar Expander Bolt Plug ... ..					3
18/29	Handlebar Expander Bolt Washer ... ..					1
18/30	Handlebar Brake Inverted Lever (state L. or R. hand)			1		9
18/31	Handlebar Brake Inverted Lever End ... ..			1		9
18/32	Handlebar Brake Inverted Lever Pivot Pin and Nut per pair					3
18/33	Handlebar Front Brake Cable Comp. ... ..			2		0
18/34	Handlebar Rear Brake Cable Comp. ... ..			2		6
18/35	Handlebar Brake Cable Adjuster (Front or Rear) ...					5
18/36	Handlebar Brake Cable Knurled Nut ... ..					2
18/37	Handlebar Clutch Lever complete with Trigger ...			4		3
18/38	Handlebar Clutch Lever only ... ..			2		6
18/39	Handlebar Clutch Lever Body with Half Clips ...			1		6
18/40	Handlebar Clutch Lever Body Half Clips only ...					6
18/41	Handlebar Pin and Nut fixing Half Clips ... ..					3
18/42	Clutch Lever Pivot Pin and Nut ... ..					3
18/43	Clutch Lever Trigger with Rivets ... ..					9
18/44	Clutch Lever Trigger Spring ... ..					1
18/45	Clutch Cable complete ... ..			2		6
18/46	Clutch Cable Adj. Lever End ... ..					5
18/47	Clutch Cable Stop Lever End ... ..					2
18/48	Release Valve Lever comp. ... ..			2		3
18/49	Release Valve Lever only ... ..					9
18/50	Release Valve Lever Saddle Clips ... ..					9
18/51	Release Valve Lever Saddle Half Clips ... ..					6
18/52	Release Valve Lever Saddle Half Clip Pin and Nut					3
18/53	Release Valve Lever Pivot Pin and Nut ... ..					3
18/54	Release Valve Cable complete ... ..			2		0
18/55	Release Valve Cable Adjuster and Nut ... ..					5
18/56	Cable Ball Nipples ... ..					1

### MUDGUARD CARRIER AND STAND SET.

18/61	Front Mudguard complete with Stays ... ..	3		0
18/62	Front Mudguard Mud Flaps ... ..			1 0
18/63	Front Number Plate ... ..			8
18/64	Front Number Plate Lug with Nut and Washer ...			4

All prices each, unless otherwise stated.

		£	s.	d.
18/65	Front Number Plate Fixing Pin and Nut ... ..			2
18/66	Front Mudguard fixing Pin and Washer to Fork Girder ... ..			2
18/67	Rear Mudguard complete with Stays ... ..	4	6	
18/68	Rear Mudguard Stays—rear ... ..	1	0	
18/69	Rear Mudguard Stays—front ... ..	1	0	
18/70	Rear Mudguard Stand Clips complete ... ..	1	6	
18/71	Rear Mudguard Stand Clips only ... ..			10
18/72	Rear Mudguard Stand Clip Springs ... ..			6
18/73	Rear Mudguard Stand Clip Joint Pin and Cotter ...			2
18/74	Rear Mudguard fixing Pin and Washer to Chain Stay Bridge Lug ... ..			2
18/75	Rear Mudguard and Carrier Fixing Pin, Nut and Washer to suit Stay ... ..			2
18/76	Rear Mudguard Pin and Nut fixing Front Stay and Carrier ... ..			3
18/77	Rear Mudguard Pin, Nut and Washer fixing Carrier			2
18/78	Rear Mudguard Pin, Nut and Washer fixing Rear Number Plate ... ..			3
18/79	Rear Mudguard Wing Bolt and Nut fixing Rear Number Plate ... ..			4
18/80	Rear Mudguard Rear Number Plate ... ..	1	6	
18/81	Rear Mudguard Stay fixing Nuts ( $\frac{3}{8}$ in.) to Seat Stays			2
18/82	Rear Carrier ... ..	5	6	
18/83	Rear Stand ... ..	6	0	
18/84	Rear Stand fixing Nut to Frame ... ..			2
18/85	Rear Stand fixing Nut Washer ... ..			1

#### BOTTOM BRACKET, CHAINS AND GUARD SET.

18/86	Rear Chain Guard only ... ..	2	6	
18/87	Rear Chain Guard Clip fixing to Seat Stay ... ..			4
18/88	Rear Chain Guard Clip fixing Pin and Washer ...			2
18/89	Rear Driving Chain ... ..	3	6	
18/90	Pedal Chain ... ..	3	3	
18/91	Spring Connecting Link for Driving Chain ... ..			2
18/92	Spring Connecting Link for Pedal Chain ... ..			2
18/93	Bottom Bracket Axle ... ..	3	3	
18/94	Bottom Bracket Cup—R.H. ... ..			6
18/95	Bottom Bracket Cup—L.H. ... ..			6
18/96	Bottom Bracket Cup Lock Ring ... ..			3
18/97	Lubricator for Bottom Bracket ... ..			2
18/98	Set Ball Bearings for Axle ... ..			4
18/99	Chain Wheel and Crank—R.H. ... ..	4	6	
18/100	Crank—L.H. ... ..	2	0	

All prices each, unless otherwise stated.

							£	s.	d.
18/101	Crank Cotter, Nut and Washer	...	...	...	...	...			3
18/102	Pedals, per pair	...	...	...	...	...	3	6	
18/103	Jockey Sprocket complete with Cone	...	...	...	...	...	2	6	
18/104	Jockey Sprocket only	...	...	...	...	...	1	6	
18/105	Jockey Sprocket Peg	...	...	...	...	...			8
18/106	Jockey Sprocket Peg Nut	...	...	...	...	...			2
18/107	Jockey Sprocket Cone	...	...	...	...	...			4
18/108	Jockey Sprocket Cone Balls, per set	...	...	...	...	...			2
18/109	Jockey Sprocket Arm Pivot Pin	...	...	...	...	...	1	0	
18/110	Jockey Sprocket Arm Spacing Washer	...	...	...	...	...			6
18/111	Jockey Sprocket Arm Peg Nut	...	...	...	...	...			2
18/112	Jockey Sprocket Arm Peg Nut Washer	...	...	...	...	...			1
18/113	Jockey Sprocket Swivel Arm	...	...	...	...	...	1	0	
18/114	Jockey Sprocket Tension Spring	...	...	...	...	...			9
18/115	Jockey Sprocket Lubricator	...	...	...	...	...			2
18/116	Clip for Chain Stay holding Tension Spring	...	...	...	...	...			4

#### WHEELS AND HUBS, ETC.

18/121	Front Wheel complete with Hub and Brake	...	...	...	...	...	1	5	0
18/122	Front Wheel Rim only	...	...	...	...	...			4 0
18/123	Front Wheel Spokes, per set 32	...	...	...	...	per set	1	9	
18/124	Front Wheel Spokes Nipples, per set	...	...	...	...	"	1	0	
18/125	Front Wheel Spokes Nipple Washers	...	...	...	...	"			3
(When ordering Single Spokes state side required—brake or opposite)									
18/126	Front Hub complete with Spindle and Brake	...	...	...	...	...	16	6	
18/127	Front Hub Shell only with Brake Drum only	...	...	...	...	...	6	0	
18/128	Front Hub Spindle complete with Cones and Nuts	...	...	...	...	...	2	0	
18/129	Front Hub Spindle only	...	...	...	...	...			9
18/130	Front Hub Spindle Fixed Cone	...	...	...	...	...			5
18/131	Front Hub Spindle Adjusting Cone	...	...	...	...	...			5
18/132	Front Hub Spindle Nuts	...	...	...	...	...			2
18/133	Front Hub Spindle Washers	...	...	...	...	...			1
18/134	Front Hub Spindle Cone Lock Nuts	...	...	...	...	...			2
18/135	Front Hub Spindle Cone Packing Washer	...	...	...	...	...			1
18/136	Front Hub Cup	...	...	...	...	...			3
18/137	Front Hub Dust Cap	...	...	...	...	...			2
18/138	Front Hub Lubricator	...	...	...	...	...			2
18/139	Front Hub Felt Washer, Brake side	...	...	...	...	...			1
18/140	Front Hub Steel Washer for same	...	...	...	...	...			1
18/141	Front Hub Spindle Side Plate Lock Nut	...	...	...	...	...			2
18/142	Front Hub Ball Bearings (set 18)	...	...	...	...	...			4
18/143	Front Brake Cover Plate complete with Shoes and Anchor Arm	...	...	...	...	...	9	9	
18/144	Front Brake Cover Plate, less Shoes with Anchor Arm	...	...	...	...	...	4	3	

All prices each, unless otherwise stated.

				£	s.	d.
18/145	Front Brake Shoes with Linings	...	...	4	0	
18/146	Front Brake Shoe Linings and Rivets	...	per pair	2	0	
18/147	Front Brake Shoe Springs	...	...	2		
18/148	Front Hub Spindle Collar	...	...	2		
18/149	Front Brake Anchor Clip with Pin and Nut	...	...	4		
18/150	Front Brake Anchor Clip Pin and Nut	...	...	1		
18/151	Front Brake Cam complete	...	...	1	0	
18/152	Front Brake Cam Lever and Yoke	...	...	1	0	
18/153	Front Brake Cam Yoke only	...	...	6		
18/154	Front Brake Cam Bush	...	...	4		
18/155	Front Brake Fulcrum Pin in Cover Plate	...	...	4		
18/156	Front Brake Cable Ball Nipples	...	...	1		
18/157	Front Brake Cable Adjusters	...	...	5		
18/158	Rear Wheel complete with Rim and Hub	complete		2	2	6
18/159	Rear Wheel Rim only	...	...	4	0	
18/160	Rear Wheel Spokes, per set 36	...	...	2	0	
18/161	Rear Wheel Spoke Nipples	...	...	1	3	
18/162	Rear Wheel Spoke Nipple Washers	...	...	3		
18/163	Rear Hub complete with Spindle and Brake Drum with Sprocket	...	...	1	12	6
18/164	Rear Hub Shell only with Brake Drum	...	...	9	6	
18/165	Rear Hub Spindle complete	...	...	5	0	
18/166	Rear Hub Spindle only	...	...	2	0	
18/167	Rear Hub Spindle Fixed Cone	...	...	1	0	
18/168	Rear Hub Spindle Adj. Cone	...	...	1	0	
18/169	Rear Hub Spindle End Nuts	...	...	3		
18/170	Rear Hub Spindle Packing Nuts, Brake side	...	...	3		
18/171	Rear Hub Spindle Locking Nut for Adj. Cone	...	...	2		
18/172	Rear Hub Spindle Distance Piece, Brake side	...	...	2		
18/173	Rear Hub Spindle Washers	...	...	1		
18/174	Rear Hub Cup	...	...	9		
18/175	Rear Hub Dust Caps	...	...	4		
18/176	Rear Hub Ball Bearings (set)	...	...	6		
18/177	Rear Hub Brake Cover Plate complete with Shoes and Anchor Arm	...	...	14	0	
18/178	Rear Hub Brake Cover Plate only, with Anchor Arm	...	...	6	6	
18/179	Rear Hub Brake Cover Plate Anchor Arm and Rivets	...	...	1	9	
18/180	Rear Hub Brake Shoes with linings	...	per pair	5	6	
18/181	Rear Hub Brake Linings and Rivets	...	...	2	6	
18/182	Rear Hub Brake Shoe Springs	...	...	3		
18/183	Rear Hub Brake Cam Comp.	...	...	2	0	
18/184	Rear Hub Brake Cam Bush	...	...	4		
18/185	Rear Hub Brake Cam Lever	...	...	1	6	
18/186	Rear Hub Brake Fulcrum Pin	...	...	4		

All prices each, unless otherwise stated.

		£	s.	d.
18/187	Rear Hub Sprocket ... ..	4	0	
18/188	Rear Hub Sprocket Rivets ... .. per set	4		
18/189	Rear Hub Brake Cable Stop fixed to Anchor Arm ...	8		
18/190	Nut for same ... ..	1		
18/191	Rear Wheel, Chain Adjusters complete ... ..	6		
18/192	Rear Wheel, Chain Adjusters only ... ..	4		
18/193	Rear Wheel, Chain Adjuster Cap ... ..	1		
18/194	Rear Wheel, Chain Adjuster Nut ... ..	1		
18/195	Free Wheel complete ... ..	9	6	

#### PETROL TANK.

18/200	Petrol Tank only ... ..	1	10	0
18/201	Petrol Tank Filler Cap with Measure ... ..	2	9	
18/202	Petrol Tank Tap (reserve type) ... ..	3	6	
18/203	Petrol Tank Tap Washer ... ..	1		
18/204	Petrol Pipe with Unions ... ..	1	6	
18/205	Petrol Tank Fixing Pins ... ..	2		
18/206	Petrol Tank Fixing Pin Washers ... ..	1		
18/207	Petrol Tank Fixing Pin Rubbers ... ..	2		

#### SILENCER, ETC.

18/208	Silencer Barrel with Tail Pipe ... ..	4	6	
18/209	Silencer Strap fixing to Brake Anchor Clip (1/4in.)...	3		
18/210	Silencer Strap Fixing Pin Nut and Washer ... ..	2		
18/211	Tool Box (metal) ... ..	4	0	
18/212	Tool Box Fixing Clips on Seat Stay ... ..	3		
18/213	Tool Box Fixing Clip Pin, Nut and Washer ... ..	2		
18/214	Tool Box Fixing Pin Nut and Washer to Mudguard Stay ... ..	2		
18/215	Set Tools complete ... ..	6	0	
18/216	Wiper Cloth ... ..	3		
18/217	Oil Gun ... ..	2	6	
18/218	Movable Spanner ... ..	2	0	
18/219	Screw Driver ... ..	1	0	
18/220	4-hole Spanner ... ..	3		
18/221	Peg Spanner ... ..	3		
18/222	C Spanner ... ..	3		
18/223	Mag. Spanner ... ..	3		
18/224	D.E. Box Spanner ... ..	1	0	
18/225	Saddle complete ... ..	12	0	
18/226	Saddle Springs (state L. or R. hand) ... ..	8		
18/227	Tyre Inflator ... ..	2	6	
18/228	Tyre Inflator Clips ... .. per pair	6		
18/229	Horn complete with Clips ... ..	4	0	

All prices each, unless otherwise stated.

		£	s.	d.
18/230	Licence Holder ... ..	1	0	
18/231	Licence Holder Fixing Pin Nut and Washer ... ..			2
18/232	Rubber Cable Clips ... .. per pair			3
18/233	Metal Cable Clips ... .. "			3
18/234	Transfers, Tank—large Scroll ... ..	1	0	
18/235	Transfers, Mudguard—small Scroll ... ..			3
18/236	Strangler Wire ... ..			3
18/237	Strangler Wire fixing Clip on Frame ... ..			3
18/238	Strangler Wire fixing Clip Bolt and Nut ... ..			3
18/239	Strangler Wire fixing Clip Bolt Nut ... ..			1
18/240	Strangler Wire Spring ... ..			2

#### ENGINE PLATES, ETC.

18/243	Engine Plate—R.H. ... ..	1	3	
18/244	Engine Plate—L.H. ... ..	1	3	
18/245	$\frac{3}{8}$ in. Bolts fixing Plates to Frame ... .. each			3
18/246	$\frac{3}{8}$ in. Nuts for same ... ..			1
18/247	Washers for same ... ..			1
18/248	$\frac{5}{16}$ in. Bolts fixing Plates to Frame ... ..			2
18/249	$\frac{5}{16}$ in. Nuts for same ... ..			1
18/250	Washers for same... ..			1
18/251	$\frac{3}{8}$ in. Bolt fixing Engine to Plates ... ..			3
18/252	$\frac{3}{8}$ in. Nuts for same... ..			2
18/253	Washers for same ... ..			1

#### ENGINE AND CLUTCH UNIT.

18/258/J.1	Cylinder ... ..	1	7	6
18/259/J.2	Cylinder Joint Washer ... ..			3
18/260/J.3	Cylinder Base Joint Washer ... ..			3
18/261/98/252	Carburettor Stub ... ..			4
18/262/J.5	Release Valve Bracket ... ..	1	9	
18/263/J.6	Release Valve Lever ... ..			6
18/264/J.7	Release Valve Stem ... ..	1	0	
18/265/259	Release Valve Spring ... ..			3
18/266/J.4	Release Valve Bracket Screw ... ..			1
18/267/J.8	Release Valve Body ... ..	1	6	
18/268/7	Release Valve Cable Adjuster and Nut ... ..			6
18/269/J.9	Release Valve Outside Cover ... ..			3
18/270/J.10	Release Valve Inner Cover ... ..			3
18/271/J.11	Silencer Stud (Cyl.) Nut and Washer ... ..			3
18/272/J.12	Engine Sprocket Lock Washer ... ..			1
18/273/J.13	R.H. Crank Case and Clutch Case, less Bearings ... ..	1	0	0
18/274/J.13A	Crank Case, Half, less Bearings ... ..			7 6

All prices each, unless otherwise stated.

		£	s.	d.
18/275/J.14	Clutch Cover with Bush ... ..	17		6
18/276/J.15	Clutch Cover Stud—short ... ..			2
18/277/J.16	Clutch Cover Stud—long ... ..			2
18/278/J.17	Bearing Plate ... ..			3
18/279/J.23	Bearing Plate Screw ... ..			1
18/280/J.19	Crank Case Stud ... ..			2
18/281/J.20	Crank Case Stud ... ..			1
18/282/162	Crank Case Drain Screw ... ..			2
18/283/163	Crank Case Drain Screw Washer ... ..			1
18/284/125/47	Crank Case Filler Plug ... ..			3
18/285/20	Crank Case Filler Plug Washer ... ..			1
18/286/J.21	Ball Bearing Driving Shaft (inner), type EE8	7		3
18/287/J.22	End Cap ... ..			4
18/288/J.23	End Cap Screw ... ..			1
18/289/J.24	End Cap Joint Washer ... ..			2
18/290/125/27	Cylinder Base Stud ... ..			1
18/291/125/28	Cylinder Base Stud Nut ... ..			1
18/292/174	Cylinder Base Stud Nut Washer ... ..			1
18/293/98/205	Crank Case Stud Nut ... ..			1
18/294/98/207	Crank Case Stud Washer ... ..			1
18/295/J.25	R.H. Crank Case Joint Washer ... ..			2
18/296/J.26	Clutch Cover Joint Washer ... ..			3
18/297/J.27	Dowel Pin ... ..			3
18/298/98/205	Clutch Cover Stud Nut ... ..			1
18/299/98/207	Clutch Cover Stud Washer ... ..			1
18/300/J.28	Driving Shaft ... ..	12		6
18/301/J.29	Crank Pin with Rivet and Washer ... ..	4		0
18/302/J.30	Engine Sprocket ... ..	3		0
18/303/J.31	Gland Spring ... ..			6
18/304/J.32	Sprocket Lock Nut ... ..			3
18/305/J.34	Connecting Rod with Bush ... ..	9		0
18/306/209	Big End Rollers ... .. per set	1		6
18/307/J.33	Engine Sprocket Key ... ..			2
18/308/V.52	Ball Bearing Driving Shaft (outer), type EE6	6		3
18/309/J.35	Gland Bush ... ..			1 6
18/310/J.36	Piston only, with Bushes ... ..	12		0
18/311/125/7	Piston Ring ... ..			1 3
18/312/J.37	Gudgeon Pin ... ..			1 6
18/312A/J.37A	Gudgeon Pin Bush ... ..			1 6
18/313/J.38	Gudgeon Pin Circ. Clip ... ..			3
18/314/J.39	Clutch Shaft ... ..	10		0
18/315/J.40	Clutch Shaft Cotter ... ..			6
18/316/J.41	Clutch Push Rod—long ... ..			4
18/317/J.42	Clutch Push Rod (short centre) ... ..			2

All prices each, unless otherwise stated.

		£	s.	d.
18/318/J.42A	Clutch Push Rod (short outer) ... ..			2
18/319/J.43	Clutch Plate (outer) ... ..	2	6	
18/320/J.44	Clutch Plate (centre) ... ..	2	0	
18/321/J.46	Clutch Sprocket (corked) with Ball Bearings	8	9	
18/322/J.47	Clutch Plate (corked) ... ..	5	0	
18/323/J.48	Clutch Ball Race ... ..			9
18/324/V.52	Clutch Ball Bearing, type EE6 ... ..	6	3	
18/325/J.50	Clutch Ball Bearing, Drive side, type LS7 ...	8	9	
18/326/J.51	Clutch Spring ... ..			9
18/327/J.52	Driving Sprocket ... ..	3	0	
18/328/J.53	Driving Sprocket Nut ... ..			3
18/329/J.54	Clutch Shaft Key ... ..			2
18/330/J.55	Chain ... ..	5	0	
18/331/J.56	Clutch Plate Packing Washer ... ..			2
18/332/J.57	Clutch Bridge with Bush ... ..	2	0	
18/332A/J.57A	Clutch Bridge Bush ... ..			4
18/333/J.58	Fulcrum Pin ... ..			3
18/334/J.59	Clutch Operating Lever ... ..	1	6	
18/335/J.60	Clutch Adjusting Screw ... ..			2
18/336/98/205	Clutch Adjusting Lock Nut ... ..			1
18/337/J.61	Screw for Bridge ... ..			2
18/338/J.62	Silencer ... ..	12	6	
18/339/J.63	Silencer Support Link ... ..			6
18/340/J.64	Silencer Support Stud ... ..			2
18/341/175	Silencer Support Stud Nut ... ..			1
18/342/174	Silencer Support Stud Washer ... ..			1
18/343/125/121	Silencer Tail Pipe Clips ... ..	1	6	
18/344/26	Silencer Tail Pipe Screw ... ..			3
18/345/J.65	Silencer Plug ... ..			2

#### MAGNETO.

18/349/125/101A	Flywheel with Cam and Nut ... ..	12	6	
18/350/125/102	Magnets ... .. per pair	12	0	
18/351/125/103	Pole Shoes ... .. "	2	0	
18/352/125/104	Pole Shoe Top Plates ... .. "			2
18/353/451	Pole Shoe Screw ... .. each			1
18/354/125/105	Armature Plate ... ..	6	0	
18/355/125/106	Lighting Coils ... .. per pair	10	0	
18/356/125/107	Lighting Terminal Screw ... ..			3
18/357/125/108	Cable Connector and Sleeve ... ..			6
18/358/125/109	Ignition Coil complete with Core ... ..	15	0	
18/359/125/110	Magneto Cover ... ..	3	0	
18/360/125/111	Condenser Box only ... ..	3	0	
18/361/125/112	Condenser only ... ..	5	0	

All prices each, unless otherwise stated.



18/362/478	Point Clamp ... ..	6
18/363/479	Point Clamp Screw ... ..	1
18/364/480	Point Clamp Top Bush ... ..	1
18/365/481	Point Clamp Bottom Bush ... ..	1
18/366/1474	Rocker Arm with Contact Point and Pad ...	3 0
18/367/487	Screwed Contact Point with Lock Nut ...	2 0
18/368/125/113	High Tension Lead complete ... ..	2 9

#### CARBURETTER.

18/373/1070	Body ... ..	7 0
18/374/1071	Banjo Union ... ..	1 6
18/375/1072	Banjo Union Screw ... ..	6
18/376/1073	Fibre Washer ... ..	3
18/377/395	Fibre Washer ... ..	3
18/378/1074	Banjo Screw Gauze ... ..	6
18/379/1075	Centre Piece and Jet ... ..	3 0
18/380/14	Cup ... ..	2 0
18/381/M22	Bottom Nut ... ..	4
18/382/23	Bottom Nut Washer ... ..	1
18/383/20	Centre Piece Washer ... ..	1
18/384/13	Cup Washer ... ..	3
18/385/1006	Locating Peg for Centre Piece ... ..	3
18/386/1007	Throttle ... ..	1 8
18/387/1008	Throttle Spring ... ..	3
18/388/1009	Needle Adj. Screw ... ..	5
18/389/1010	Needle ... ..	4
18/390/1011	Needle Spring ... ..	2
18/391/1012	Top Disc ... ..	1 0
18/392/1013	Guide Pin ... ..	3
18/393/1014	Top Ring ... ..	9
18/394/1015	Tickler Comp. ... ..	8
18/395/M31	Fuel Bush ... ..	3
18/396/16	Fuel Needle ... ..	6
18/397/M29	Fuel Needle Lever and Pin ... ..	6
18/398/M26	Filter ... ..	3
18/399/29	Union Nipple ... ..	3
18/400/28	Union Nut ... ..	3
18/401/1016	Body Clip ... ..	1 6
18/402/42	Clip Screw ... ..	3
18/403/1017	Strangler Plate ... ..	6
18/404/M14	Strangler Plate Screw ... ..	2
18/405/M15	Strangler Plate Washer ... ..	1
18/406/12	Float ... ..	2 0
18/407/125/122	Dust Cap Tube with End Cap ... ..	3 0

All prices each, unless otherwise stated.

		£	s.	d.
18/408/125/123	Air Gauge with Spring ... ..	1	6	
18/409/1026	Control Cable with Nipple and Disc ...	2	6	
18/410/7	Cable Adj. and Lock Nut ... ..		6	
18/411/1076	Control Body ... ..	2	6	
18/412/1077	Control Lever ... ..	2	0	
18/413/1078	Control Body Clip ... ..	1	0	
18/414/J.4	Clip Screw ... ..		1	
18/415/1079	Top Cover ... ..	1	0	
18/416/1080	Friction Plate ... ..		3	
18/417/1081	Spring Washer ... ..		1	
18/418/45	Top Cover Screw ... ..		3	
18/419/1082	Fibre Washer ... ..		3	

#### LIGHTING SET.

18/424/J.701	Head Lamp, Tail Lamp, Battery, Bulbs and Cables complete ... ..	14	6	
18/425/J.702	Head Lamp complete with Bulbs, Switch, Battery and Cables ... ..	12	0	
18/426/J.703	Head Lamp Body Shell with all riveted-on components ... ..	9	6	
18/427/J.704	Front Rim Clip and Pivot ... ..		5	
18/428/J.705	Reflector ... ..	2	0	
18/429/J.705A	Reflector Retaining Spring (set of 3) ...		6	
18/430/J.706	Main Bulb Holder with Contacts ... ..	1	6	
18/431/J.707	Pilot Bulb Holder ... ..		4	
18/432/J.708	Main Bulb ... ..	1	0	
18/433/J.709	Pilot Bulb ... ..		4	
18/434/J.710	Front Rim with Green Windows, less Front Glass ... ..	2	6	
18/435/J.710A	Green Windows with Cover and Clip			per pair 10
18/436/J.711	Front Glass ... ..			10
18/437/J.712	Tail Lamp Comp. with Bulb, Fixing Plate and Screws ... ..	2	6	
18/438/J.713	Tail Lamp Fixing Plate ... ..		3	
18/439/J.714	Tail Lamp Body Clip ... ..		3	
18/440/J.715	Tail Lamp Fixing Screw and Nut (set of 3)		3	
18/441/J.717	Tail Lamp Fixing Plate Screw with Nut and Washer ... ..		2	
18/442/J.719	Tail Lamp Cable Terminal Nut ... ..		1	
18/443/J.720	Tail Lamp Bulb ... ..		4	
18/444/J.721	Tail Lamp Body only ... ..	1	0	
18/445/J.722	Tail Lamp Bulb Holder ... ..	1	0	
18/446/J.723	Cable from Magneto to Head Lamp ... ..		6	

All prices each, unless otherwise stated.

		£	s.	d.
18/447/J.724	Cable from Head to Tail Lamp	...	1	3
18/448/J.725	Dry Battery	...		5
18/449/J.726	Head Lamp Rubber Bracket	...	1	0
18/450/J.727	Earthing Strip	...		1
18/451/J.728	Switch with Contacts and Wires	...	2	6
18/452/J.729	Switch Lever and Spindle	...		10
18/453/J.730	Switch Spindle Spring	...		1
18/454/J.731	Switch Contact Wiper	...		2
18/455/J.732	Resistance	...		8
18/456/J.733	Rubber Washer for Front Glass	...		1

### REPAIRS AND RENOVATIONS.

(Parts only to be returned to us, not the complete machine)

Test and Re-enamel Tank	...	...	10	0
Reset and Re-enamel Frame complete	...	...	15	0
Reset and Re-enamel Fork	...	...	4	0
Re-true and Re-spoke Front or Rear Wheel	...	...	8	0
(less any new Hub parts)				
Re-grind Cylinder and fit oversize Piston	...	...	1	5
Overhaul Flywheel Magneto	...	...	7	6

All prices each, unless otherwise stated.

