

LIST No. 22.

SPARE AND
REPLACEMENT PARTS

for

VILLIERS
TWO-STROKE
ENGINES

including

FLYWHEEL MAGNETOS . . ELECTRIC
LIGHTING SETS AND AUTOMATIC
LUBRICATORS.

(Prices subject to alteration.)

The VILLIERS ENGINEERING Co. Ltd.
WOLVERHAMPTON - - - ENGLAND

ESTABLISHED 1898.

Telegrams:

Code:

Telephone:

"VILLIERS, WOLVERHAMPTON." BENTLEY'S. 21666-7-8 WOLVERHAMPTON
(3 lines).

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PARTICULARS OF VILLIERS ENGINE MODELS.

Model.	Capacity.	Approximate Year of Manufacture.	Prefixed Letters.
Mark I ...	269 c.c.	1913-16	O
Mark II ...	269 c.c.	1916-20	A } parts for these
Mark III ...	269 c.c.	1920-1	B }
Mark IV ...	269 c.c.	1921	C }
Mark V ...	269 c.c.	1922	D Spares List No. 7
MIDGET ...	98 c.c.	1931-34	CY
Mark VI C ...	147 c.c.	1922-3	H
Mark VII C ...	147 c.c.	1923-4	L
Mark VIII C ...	147 c.c.	1924/1934	W
Mark XII C ...	148 c.c.	1931-34	GY
Sports Engine ...	172 c.c.	1924-32	T
Sports Engine ...	172 c.c.	1924-32	TL
T.T. Super-sports ...	172 c.c.	1926-32	BZ
"BROOKLANDS" ...	172 c.c.	1925-34	Y
Mark IE ...	196 c.c.	1928-34	IE
Mark IIE ...	196 c.c.	1930-34	XZ
Super-sports ...	196 c.c.	1929-34	KZ and KZS
Mark VI A ...	247 c.c.	1922-3	J
Mark VII A ...	247 c.c.	1924-5	S
Mark VIII A ...	247 c.c.	1925-6	X
Mark IX A ...	247 c.c.	1926-9	DZ
Mark X A ...	247 c.c.	1930-2	JZ
Mark XIV A ...	249 c.c.	1932-34	BY
Mark XIV A ...	249 c.c.	1932-34	BYP
Mark XIV A Water Cooled } ...	249 c.c.	1932-34	RY
Mark VI B ...	342 c.c.	1922-3	K
Mark VII B ...	342 c.c.	1924-5	M
Mark VIII B ...	342 c.c.	1925-6	AZ
Mark IX B ...	342 c.c.	1926-9	CZ
Mark IX BA ...	342 c.c.	1929-32	CZA
Mark X B ...	342 c.c.	1928-32	HZ
Mark XIV B ...	346 c.c.	1931-34	YZ
Automatic Lubrication			
Mark XIV B ...	346 c.c.	1931-34	YZP
Petrol Lubrication			
Mark XVII B ...	346 c.c.	1932-34	WY

VILLIERS

SPARE PARTS BOOK No. 22.

TO ORDER SPARE PARTS.

In this Edition the ordering of spare parts has been considerably simplified, and it is now only necessary to quote the Part Number of any article required.

All Villiers engines have a number and prefixed letter, or letters, stamped on the crankcase immediately below the cylinder base.

It is necessary for the prefixed letter to be known so that the correct part can be ordered from this list, but only the Number given in the column headed "Part No." need be quoted when ordering spares. No engine number or type, no date, no illustration number nor engine capacity need be quoted.

To simplify the selection of the exact part required, illustrations are given on opposite pages, with the corresponding part numbers under each illustration.

When ordering, give the number from the column headed "Part No." and NOT from the number which may appear under the illustration of the part.

One illustration may be used for several parts which are not interchangeable, but which are similar in external appearance, and in such cases several part numbers are given under each illustration.

In the illustration, a stroke (/) should be interpreted as "and" (thus, 123/131, meaning part numbers 123 and 131). A dash (-) should be interpreted to read "to" (thus 123-125, meaning part numbers 123 to 125 inclusive).

In this Spare Parts Book, a separate line is devoted to every individual engine part, and in the various columns reading down, each model of engine is dealt with separately.

The capital letters given in the various columns are the prefixed letters stamped with the engine number on every engine, and as will be seen, these letters differ for each model.

Reading along the line of any engine part, the capital letter in one or more columns will indicate that that engine part is suitable for the engines in which columns the capital letters appear. When capital letters appear in more than one column on any single line, it indicates that that part is interchangeable in those engines. A capital letter in one column only on any one line shows that that particular engine part is special for the one engine alone.

For Lubricator, Flywheel Magneto and Lighting Set parts, a similar system is employed, but crosses (X) are printed in the columns, instead of letters, to denote the various types for which the different parts are suitable.

IMPORTANT.

1.—When sending parts for replacement, repair, or as pattern, the name and address of the sender should always be securely attached, and full instructions explaining what is required should be sent separately by post. In no circumstances should instructions be enclosed with the parts, as they are liable to be lost or damaged in unpacking.

2.—If an engine is sent for repair, it should be well packed in a strong box. Cardboard or a sack is insufficient, and engines so packed are liable to get seriously damaged in transit.

3.—All goods must be consigned to us carriage paid. Parts sent carriage forward are liable to be refused, and so lead to unnecessary expense to the sender. Goods returned by rail are consigned carriage forward.

4.—In correspondence, always quote the engine number and prefixed letter(s) stamped on the crankcase below the cylinder base.

5.—As we are not manufacturers of complete motor cycles, only the engine should be sent to us. If machines are forwarded, extra expense will be charged for dismantling the engine from the frame and refitting same.

6.—We prefer to bench test every repaired engine before returning it to its owner. It is therefore, always advisable to send the engine complete with its magneto, sparking plug, and carburetter.

7.—When forwarding a flywheel magneto for overhaul, send the armature plate and the flywheel complete. These parts should in no circumstances be separated, as certain magnetic flux is lost thereby.

8.—Always quote the magneto number and letter(s) (if any) which is stamped on the face of the flywheel, when corresponding about your flywheel magneto.

9.—Old or worn-out parts sent as patterns, which we consider obsolete, are not returned unless specially asked for by the owner at the time of sending them to us.

10.—Any engines or parts sent to our Works for repair not paid for within six months from the date of our estimate, will be offered for sale by us elsewhere to defray expenses.

11.—When lighting coils are required to be fitted to a flywheel magneto, it is necessary for the magneto complete to be returned to us, as the coils have to be wound on to the cheeks.

TERMS OF BUSINESS.

Repairs and spares must always be treated on a cash basis. Ledger accounts will be opened for items of £5 (five pounds) and upwards upon receipt of approved references.

An extra amount must always be included in remittances to cover the cost of postage or carriage on spare parts. Stamps cannot be accepted for items over 1s. (one shilling) in value.

When making remittances by telegraph money order, the name and address of the sender must be included in the space provided on the Post Office Requisition Form for a private message from remitter to payee. Unless this is done, the Post Office does not give this information upon the telegram.

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

Oversize cylinders.

We have facilities at our Works for regrinding all types of VILLIERS Cylinders promptly and at very low cost. Such work should always be sent to us, because VILLIERS Cylinders reground elsewhere cannot be machined to our correct limits, and are therefore unsuitable for use with a standard VILLIERS Oversize piston. Furthermore, our guarantee becomes void in its application to any engine fitted with pistons or other parts not manufactured by us, or with oversize cylinders which have not been reground by us. Every cylinder is reground by us to standard oversize limit, and no variation from this standard is permitted. The cylinder can only be reground provided it is not worn or scored too badly, and this operation can only be carried out once with any cylinder. Should a cylinder once reground, be damaged again, it will require replacing. Specially reduced charges for regrinding VILLIERS Cylinders and supplying oversize pistons complete, are now in operation as follows:—

Regrinding cylinder and supplying oversize piston complete with rings and gudgeon pin—

For 98 c.c., 147 c.c., and 148 c.c. Engines with Cast Iron Pistons	22/6
For 172 c.c., and 196 c.c. Engines with Cast Iron Pistons ...	25/-
For 147 c.c., 172 c.c., and 196 c.c. Engines with Aluminium Pistons	27/6
For 247 c.c., and 342 c.c. Engines with Cast Iron Pistons ...	27/6
For 247 c.c., 249 c.c., 342 c.c., and 346 c.c. Engines with Aluminium Pistons	30/-

Oversize pistons are supplied at the same price as standard parts quoted in this list. Oversize cylinders are stamped with the word "Oversize" across one corner of the base flange on the underneath side. Oversize pistons are stamped "O.S." on the top or head.

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 for special reasons, a small charge is made for our mechanics' time in taking down the parts for report.

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

We do not undertake to fit to engines sent to us for overhaul, any parts specified by the customer when we consider that other parts are necessary to make an efficient repair. In such cases, we are prepared to supply the customers' requirements in spares, but we do not undertake to fit them.

NOTES.

The prices in this list do not include postage or carriage, which is always charged extra, and a suitable amount to cover this must always be included with remittances for replacement parts.

To avoid overheating and many other troubles, never use cheap or unknown fuels. Use only the best grade of PETROL and avoid substitutes.

Do not use Benzol either alone or mixed with other fuel.

Many engines are damaged by using unsuitable or insufficient oil. We recommend Castrol XL., which should always be used in the quantity advised.

The Makers *really* know which is the best type of sparking plug to suit each VILLIERS engine, and it is advisable never to experiment with cheap plugs. If a new sparking plug is required, the replacement should be of the same make and pattern as the original.

When decarbonising or overhauling your engine, do not forget that the exhaust pipe and silencer also require cleaning internally. If a heavy deposit of carbon is allowed to accumulate in the exhaust pipe or silencer, back pressure and overheating will result. To avoid this, keep the exhaust pipes and silencers quite clean.

A copy of the guarantee covering every VILLIERS engine is printed in the current catalogue issued by the VILLIERS ENGINEERING COMPANY, LTD.

The guarantee becomes void if any parts not made or supplied by the VILLIERS ENGINEERING COMPANY, LTD., are fitted to a VILLIERS engine. To safeguard his own interests, the owner should always insist upon genuine VILLIERS parts.

Particulars of spares and replacements for VILLIERS carburetters are given in separate lists, copies of which can be obtained from the Manufacturers on request.

This Spare Parts Book No. 22 cancels all previous editions of replacement parts lists for VILLIERS engines, from the Mark VI. type upwards.

The VILLIERS ENGINEERING COMPANY, LTD., cannot accept responsibility, nor be held in any way liable, for damage to, or loss of, complete motor-cycles, engines, or any parts thereof, through fire or any other cause when in their possession. If complete motor-cycles are sent for repair or adjustment, they can only be ridden and tested on the road at the owner's risk, and without responsibility on the part of the VILLIERS ENGINEERING COMPANY, LTD.

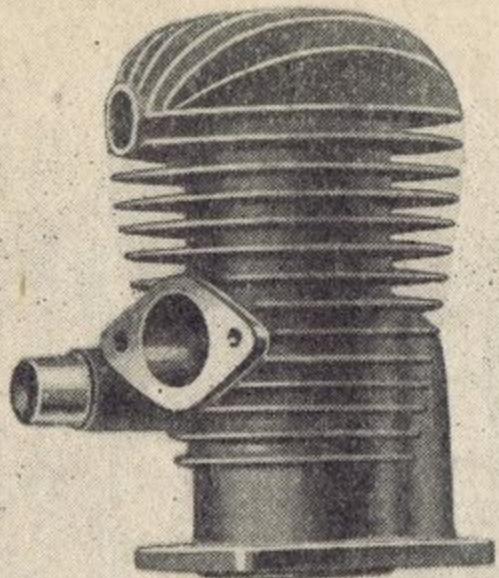
NOTE

It is sufficient to quote only the "Part No." when ordering spares.

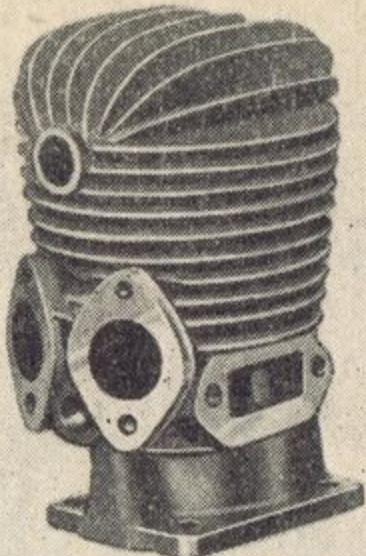
The prices given do NOT include postage or carriage, a suitable amount for which should be added when remitting.

Official Villiers Stockists are appointed in most important centres. The address of your nearest Stockist will be supplied upon application.

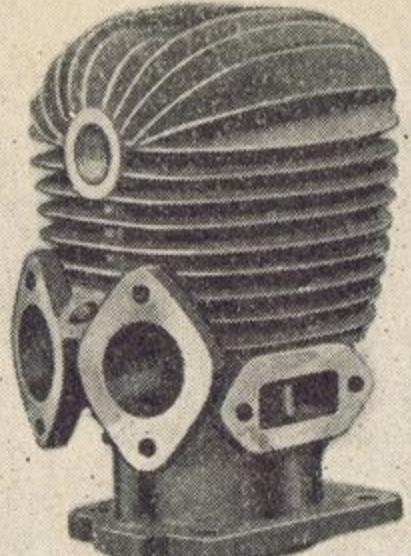
IMPORTANT.—It is false economy to fit cheap imitation Spare Parts—they usually cost more in the long run. Insist always upon genuine parts obtained from the VILLIERS ENGINEERING COMPANY, LTD.



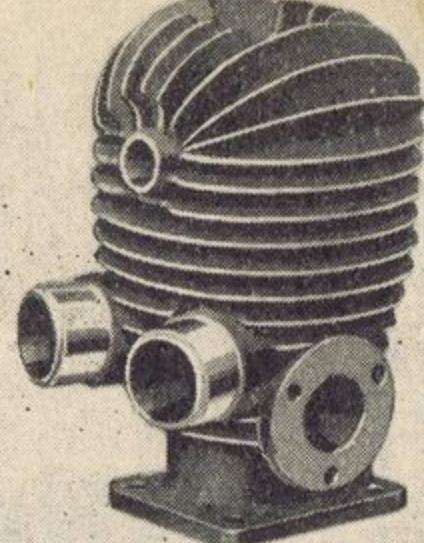
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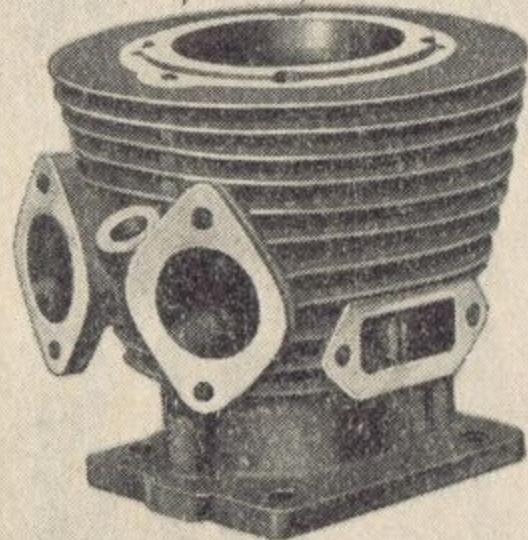
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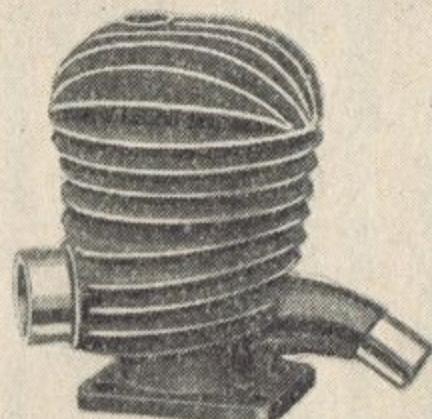
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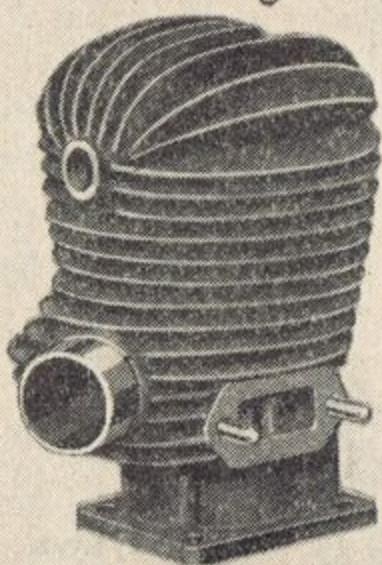
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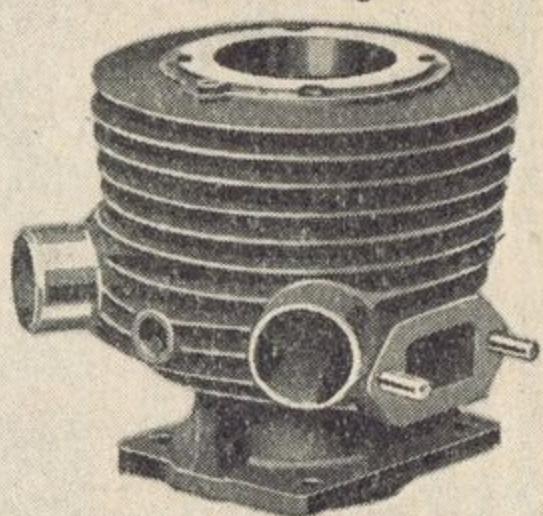
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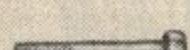
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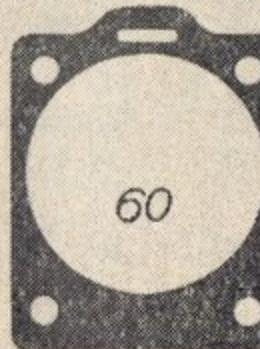
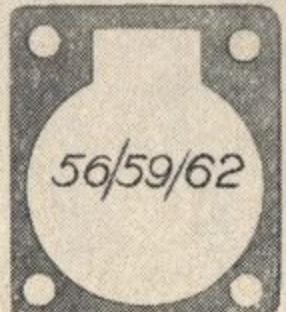
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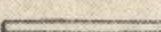
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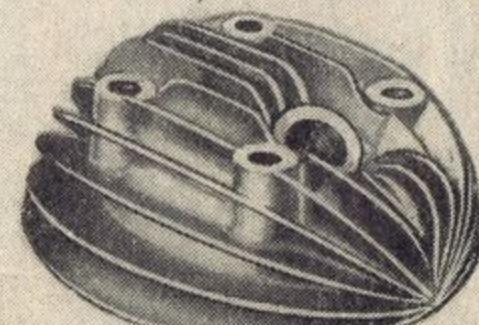


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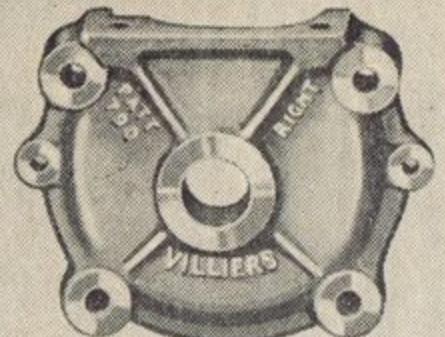
DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
Cylinder	1	40/-	—	VI C	XII C	Sp'tsPetroil	I E Petroil	I E Auto. Lub.	IX A	XI B	XIV B
	2	40/-	—	H	—	—	—	—	—	—	Auto. Lub.
	3	42/6	—	L	—	—	—	—	—	—	XIV B
	4	42/6	—	W	—	—	—	—	—	—	Petrol
	5	45/-	—	—	—	—	—	—	—	—	YZ
	6	45/-	—	—	—	—	—	—	—	—	YZP
	7	45/-	—	—	—	—	—	—	—	—	WY
	8	45/-	—	—	—	—	—	—	—	—	WY
	9	50/-	—	—	—	—	—	—	—	—	WY
	10	50/-	—	—	—	—	—	—	—	—	WY
	11	50/-	—	—	—	—	—	—	—	—	WY
	12	30/-	CY	—	—	—	—	—	—	—	WY
	13	42/6	—	—	GY	—	—	—	—	—	WY
	14	42/6	—	—	—	—	—	—	—	—	WY
	16	40/-	—	—	BZ	—	—	—	—	—	WY
	17	60/-	—	—	—	—	—	—	—	—	WY
	18	42/6	—	—	—	—	—	—	—	—	WY
	19	42/6	—	—	—	—	—	—	—	—	WY
	23	50/-	—	—	—	—	—	—	—	—	WY
	24	50/-	—	—	—	—	—	—	—	—	WY
	20	45/-	—	—	—	—	—	—	—	—	WY
	21	45/-	—	—	—	—	—	—	—	—	WY
	370	50/-	—	—	—	—	—	—	—	—	WY
	22	50/-	—	—	—	—	—	—	—	—	WY
	30	25/-	—	—	—	—	—	—	—	—	WY
	31	30/-	—	—	—	—	—	—	—	—	WY
	32	30/-	—	—	—	—	—	—	—	—	WY
	34	30/-	—	—	—	—	—	—	—	—	WY
	36	30/-	—	—	—	—	—	—	—	—	WY
	37	30/-	—	—	—	—	—	—	—	—	WY
	35	30/-	—	—	—	—	—	—	—	—	WY
	371	30/-	—	—	—	—	—	—	—	—	WY
	40	2/-	—	—	—	—	—	—	—	—	WY
	41	6d.	—	—	—	—	—	—	—	—	WY
	44	6d.	—	—	—	—	—	—	—	—	WY
	43	6d.	—	—	—	—	—	—	—	—	WY
	45	6d.	—	—	—	—	—	—	—	—	WY
	46	6d.	—	—	—	—	—	—	—	—	WY
	50	1d.	—	—	—	—	—	—	—	—	WY
	51	4d.	—	—	—	—	—	—	—	—	WY
	52	2d	—	—	—	—	—	—	—	—	WY
Cylinder Barrel											
Cylinder Head											
Cylinder Head Gasket											
Cylinder Head Bolt, 2 ¹ / ₂ "											
" " 4"											
" " 2 ¹ / ₂ "											
" " 3 ⁸ "											
" " 3 ⁵ "											
" " Washer											
Hexagon Plug for Cylinder											
Washer for ditto											

DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.		172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
Bye Pass Tube	53	3d.				Midget						
" "	49	3d.				VII C						
" "	387	3d.				VII C						
" "	54	4d.				VIII C						
" "	55	3d.				VIII C						
Water Inlet Flange	24A	3/6				XII C						
" " Washer	24B	9d.										
" Outlet Flange	24C	3/6										
" " (Angular)	24D	4/-										
" " Washer	24E	9d.										
Cylinder Base Washer	56	4d.										
" "	57	4d.										
" "	58	4d.										
" "	59	6d.										
" "	60	6d.										
" "	65	9d.										
" "	61	9d.										
" "	62	9d.										
" "	63	4d.	CY									

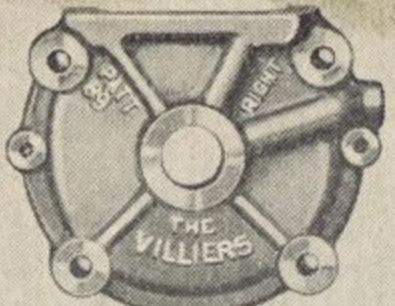


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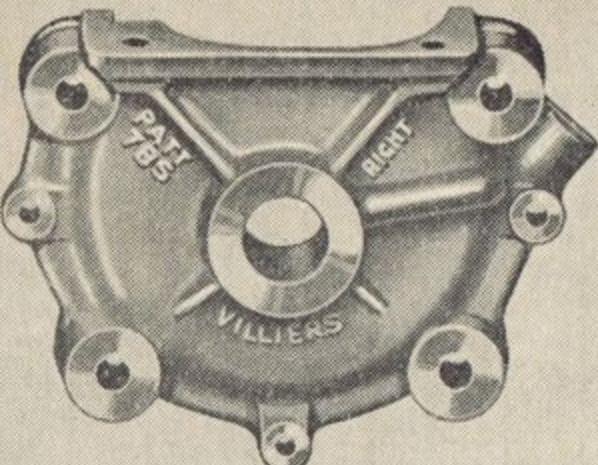
DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
Inlet Flange Stud ..	173	2d.									
" " " Washer ..	68	1d.									
" " " Nut ..	174	1d.									
" " " Nut ..	64	1d.									
" " " Nut ..	175	1d.									
" " " Nut ..	70	1d.									
Exhaust Flange Stud ..	68	1d.									
" " " Washer ..	69	1d.									
" " " Nut ..	70	1d.									
Piston only (Cast Iron) ..	71	9/-									
" " (Cast Iron) ..	72	9/-									
" " (Aluminium) ..	73	10/6									
" " (Cast Iron) ..	74	15/-									
" " (Aluminium) ..	75	20/-									
" " (Cast Iron) ..	76	12/-									
" " (Aluminium) ..	77	15/-									
" " (Cast Iron) ..	78	12/-									
" " (Aluminium) ..	79	12/-									
" " (Aluminium) ..	80	15/-									
" " "	81	15/-									
" " (Cast Iron) ..	82	15/-									
" " (Aluminium) ..	83	15/-									
" " (Cast Iron) ..	84	18/6									
" " (Aluminium) ..	86	7/6									
" " (Aluminium) ..	87	9/-									
Piston Ring ..	379	18/6									
" " (wide)	95	1/4									
" " (narrow)	96	1/4									
" " (narrow)	97	1/4									
" " (narrow)	98	1/6									
" " Peg Joint ..	99	1/4									
" " Scarf Joint ..	100	1/4									
" " (wide)	101	1/6									
" " (narrow)	102	1/6									
" " ..	108	1/6									
" " Peg Joint ..	103	1/8									
" " Scarf Joint ..	104	1/8									
" " Scarf Joint ..	105	1/8									



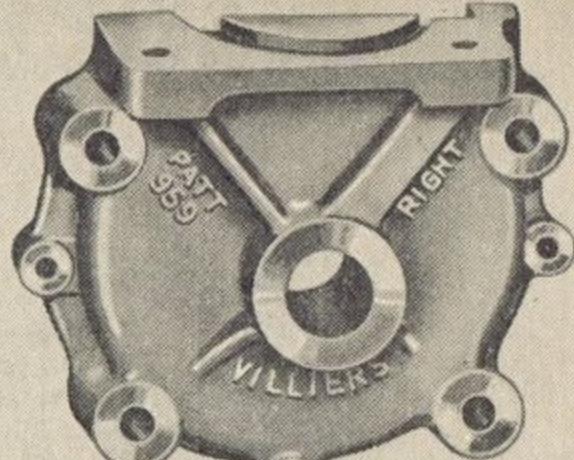
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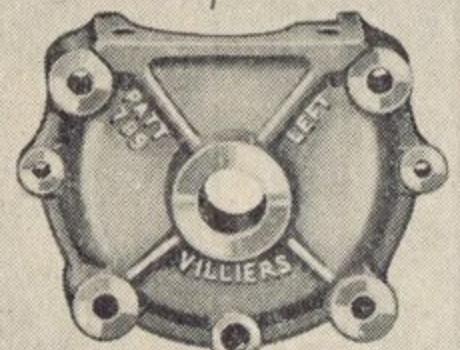
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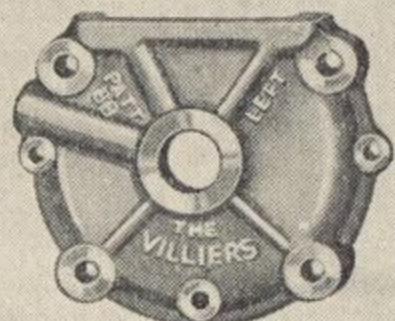
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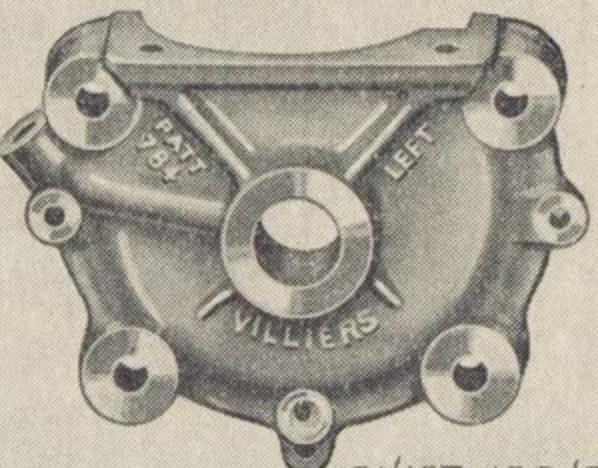
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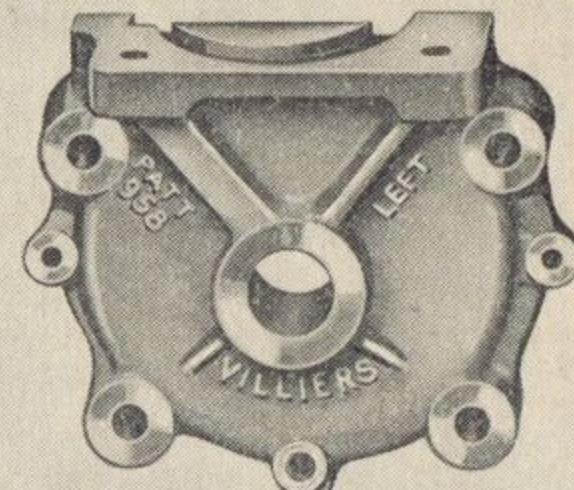
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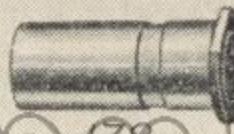
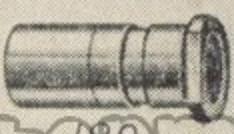
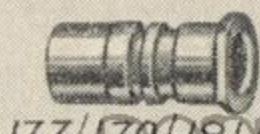
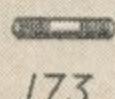
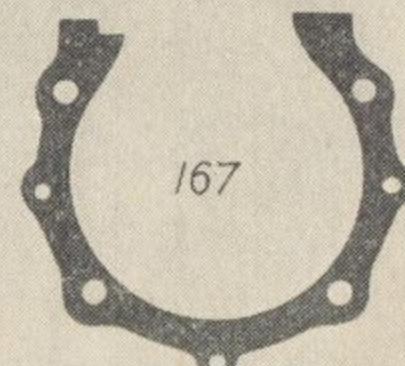
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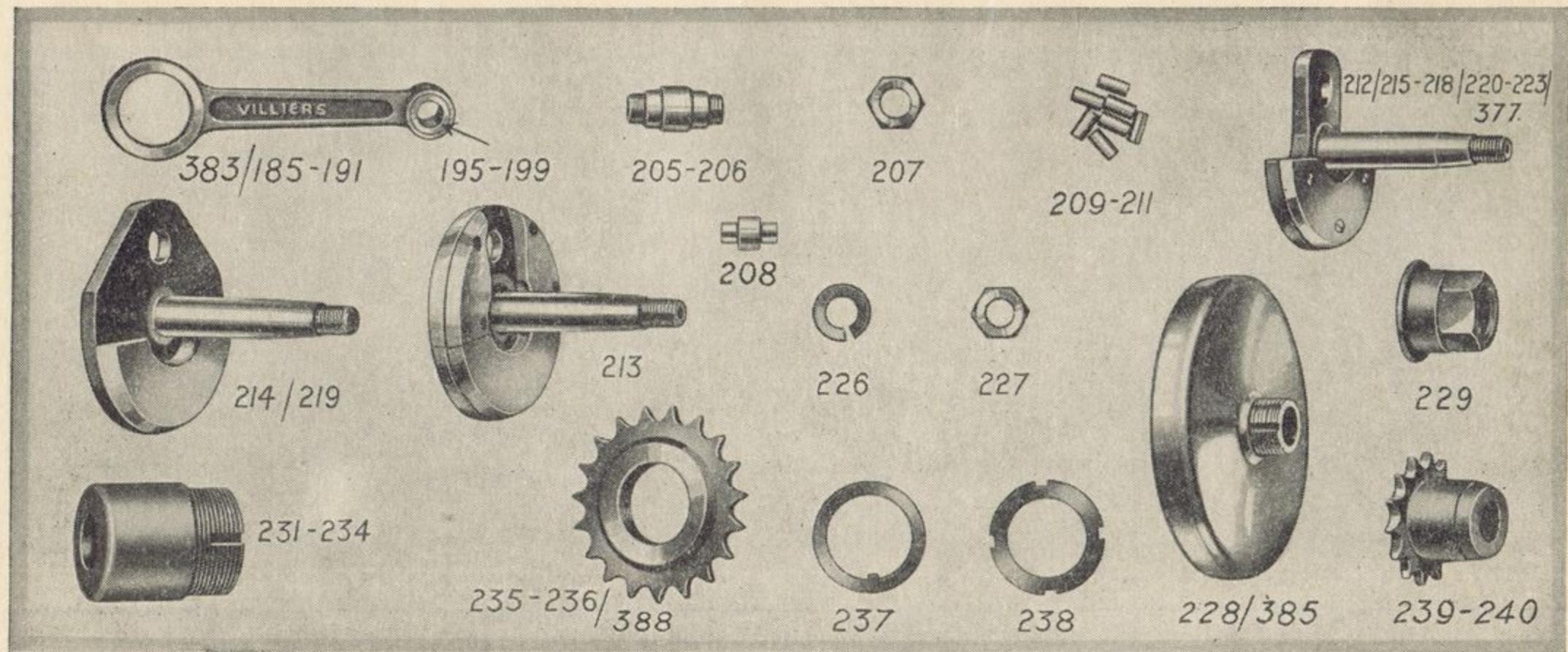
151/153-158/374



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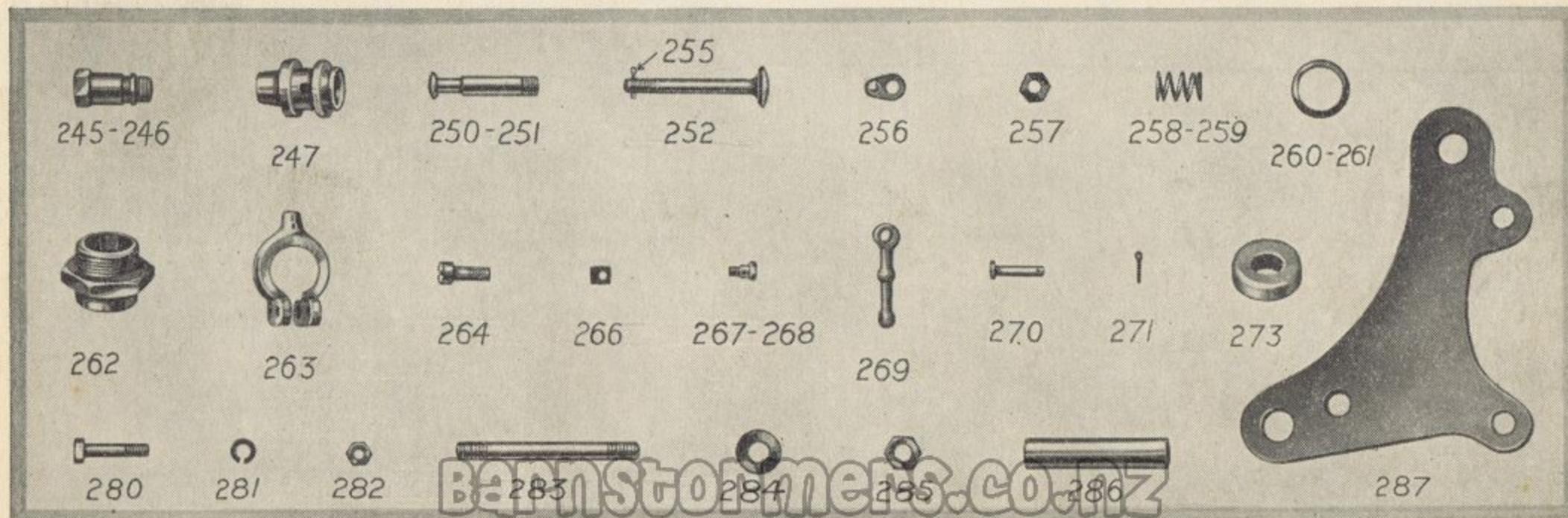


DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	342 c.c.	346 c.c.
			Midget	VIC	VII C					
Crankcase (Left Half) ..	146	18/-								
" complete with Bush ..	147	20/6		H	L					
" "	148	21/6			W					
" "	149	20/6				GY				
" "	150	21/6					T			
" "	151	24/-								
" "	152	26/6								
" "	153	24/-								
" "	153A	29/-	CY							
" "	153B	29/-								
" "	154	26/6								
" "	155	24/-								
" "	156	26/6								
" "	374	29/-								
" "	157	24/-								
" "	158	29/-								
" "	159	12/6								
" "	160	32/6								
Oil Union (for $\frac{1}{4}$ " Pipe) ..	394A	1/-	CY							
" (for $\frac{1}{8}$ " Pipe) ..	394	1/-		H	L					
" (Cylinder) ..	393	9d.			W					
" (Long) ..	394B	1/3				GY				
Fibre Washer ..	395	1d.					T			
Drain Plug ..	162	2d.								
" Washer ..	163	1d.								
Paper Washer (Crankcase)	165	3d.								
" "	166	3d.								
" "	167	3d.								
" "	168	3d.								
" "	169	3d.								
" "	169A	3d.								
" "	169B	3d.								
" "	376	3d.								
" "	170	2d.	CY	H	L	W				
" " Washer ..	173	2d.	CY			GY	T			
" " Washer ..	174	1d.	CY			GY				

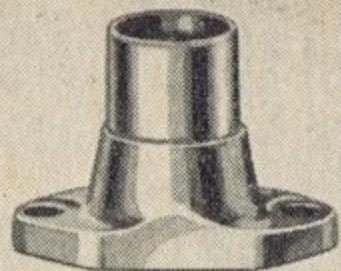


DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 cc
Cylinder Stud Nut	175	1d.	CY	Midget	VI C	Sp'tsPetroil	I E	VII A	BY	IX B	YZ
Crankcase Bush	176	3/-	H H	L	VII C	Sports Auto. Lub.	Petrol	VII A	BYP	IX B	YZ
" "	177	4/-	H H	L L	VIII C	Super Sports T.T.	I E	VII A	XIV A	XIV B	Auto Lub.
" "	178	4/-	H H	W W	XII C	Brooklands	Auto. Lub.	VII A	BY	IX B	YZ
" "	179	4/-	H H	W W	XII C	T	TL	VII A	BYP	IX B	YZ
" "	180	4/-	H H	GY GY	XII C	TL	BZ	VII A	RY	IX B	YZ
" "	378	4/-	H H	GY GY	XII C	TL	BZ	VII A	RY	IX B	YZ
" "	181	4/-	H H	GY GY	XII C	IE IE	TL	VII A	RY	IX B	YZ
" "	183	4/-	H H	GY GY	XII C	IE IE	TL	VII A	RY	IX B	YZ
" "	182	2/6	H H	GY GY	XII C	IE IE	TL	VII A	RY	IX B	YZ
" "	182A	3/-	H H	GY GY	XII C	IE IE	TL	VII A	RY	IX B	YZ

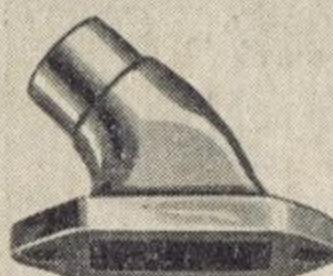
DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
Ball Journal Bearings ..	184	7/-		Midget							
Connecting Rod (with Bush) ..	185	9/-		H	VII C						
" " "	187	10/6		L	VII C						
" " "	188	12/6		W	VIII C						
" " "	189	10/6		GY	XII C						
" " "	190	10/6		T							
" " "	186	10/6									
" " "	383	10/6	CY	H							
Connecting Rod only ..	191	6/-		L							
Small End Bush ..	197	1/6		W							
" " "	198	1/6		GY							
" " "	199	1/6		T							
Crankpin..	205	6/-									
" ..	206	4/6	CY								
" ..	208	3/-									



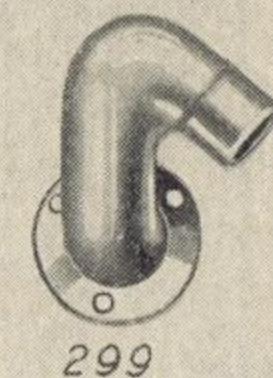
DESCRIPTION.	Part No.	Price Each.	98	147	148	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
			c.c.	c.c.	c.c.						
Crankpin Nut (each) ..	207	3d.	CY	H		Midget					
Rollers, (Steel) per set ..	210	1/6		H	H	VI C					
" (Bronze and Steel) ..	211	1/9		L	L	VII C					
"	209	1/6		W	W	VIII C					
Crankshaft (Half) ..	212	12/-									
" "	213	25/-									
" "	214	15/-									
" "	215	15/-									
" "	216	15/-									
" "	217	15/-									
" "	218	15/-									
" "	219	15/-									
" "	221	15/-									
"	220A	17/6									
"	220	17/6									
"	222	15/-									
"	223	10/-	CY								
"	377	17/6	CY								
"	224	18/-	CY								
"	226	1d.									
"	227	3d.									
Nut ..	228	20/-									
Auxiliary Flywheel ..	230	20/-									
"	385	20/-									
Flanged Nut ..	229	9d.									
Sprocket Centre (2½" Chain L'e)	231	7/6	CY	H	H	KZ	KZ	KZ	196 Super Sports		
" (3" Chain Line) ..	232	7/6	H	L	L	J	J	J			
"	233	7/6	L	W	W	S	S	S			
"	234	7/6	W	W	Y	X	X	X			
Scr'd Sp'kets (14-24T.) ½" P.	235	3/-	CY	GY	T	DZ	DZ	DZ	IX A	BY	XIV A
½" " " ½" P.	236	3/-	CY	H	L	TL	TL	TL		BY	Auto. Lub.
" (18-24T.) ¾" P.	388	3/-	H	L	W	BZ	BZ	BZ		BYP	XIV A
Sprocket Lock Washer ..	237	2d.	L	W	W	Y	IE	IE		RY	Petrol
" Nut ..	238	6d.	W	W	Y	IE	IE	IE		RY	Water Cooled
Bossed Sprocket 14 T. ..	239	5/-	GY	T	T	XZ	XZ	XZ		RY	
" 14 T. ..	240	5/-	GY	T	T	KZ	KZ	KZ		K	
" 16 T. ..	241	5/-	GY	T	T	J	J	J		M	
Release Valve (obsolete) ..	—	—				S	X	X		M	
" Body ..	245	1/6	CY	H	L	Z	DZ	DZ		AZ	
" " ..	246	1/9				J	DZ	DZ		AZ	
" " ..	247	1/6				S	Z	Z		AZ	
" Stem ..	248	1/9				IE	IE	IE		CZ	
" Stem ..	250	1/-	CY	H	L	W	GY	TY		CZ	



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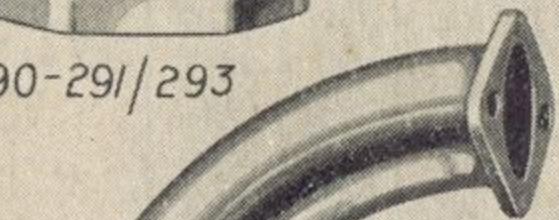
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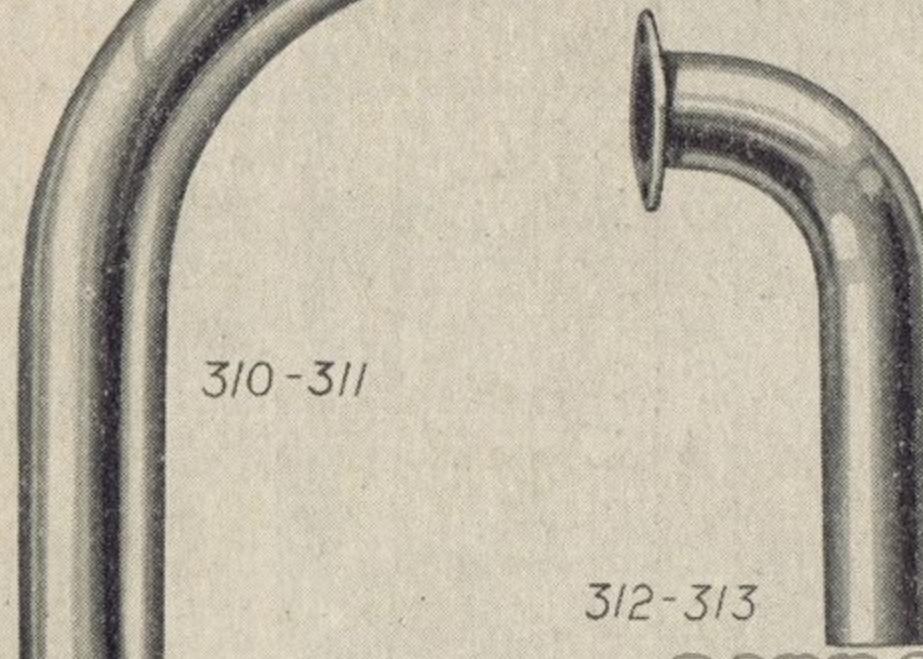
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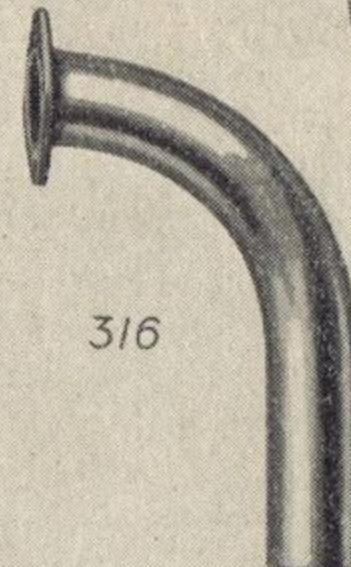
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310-311



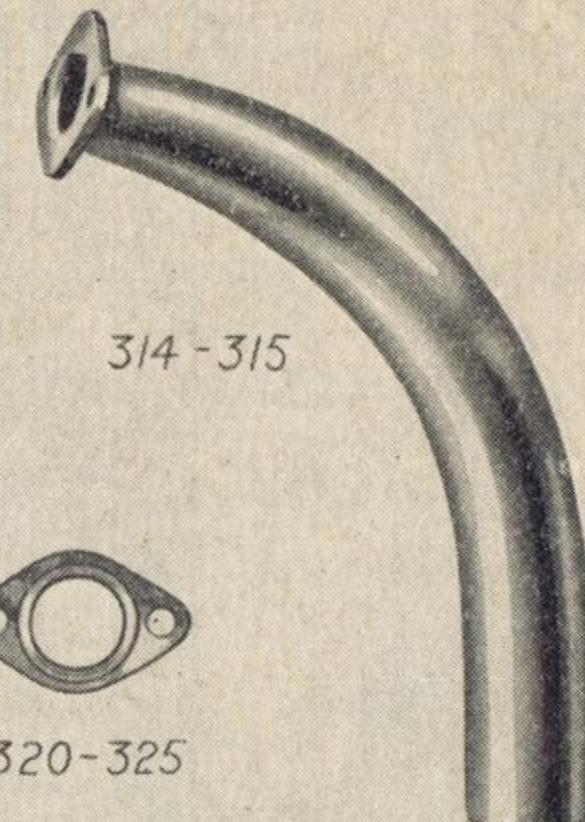
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320-325

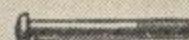
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330-331



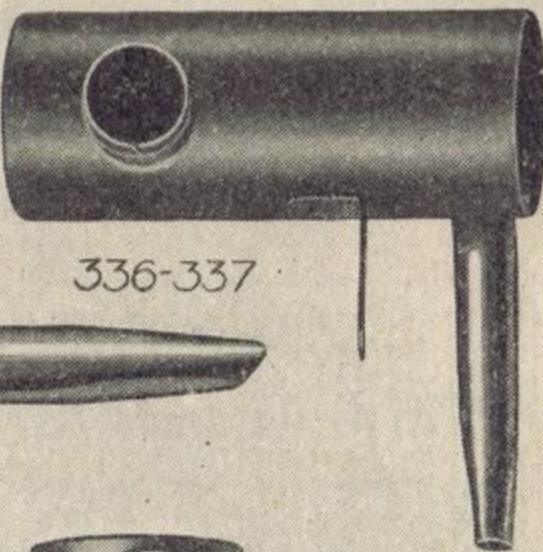
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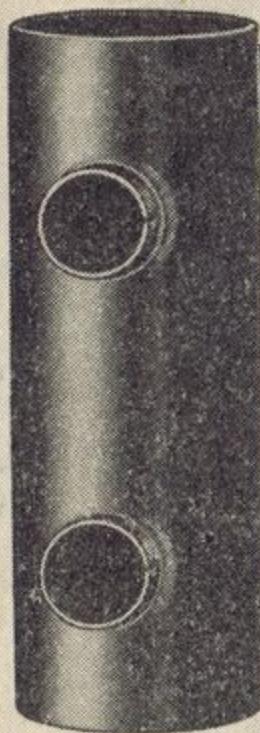
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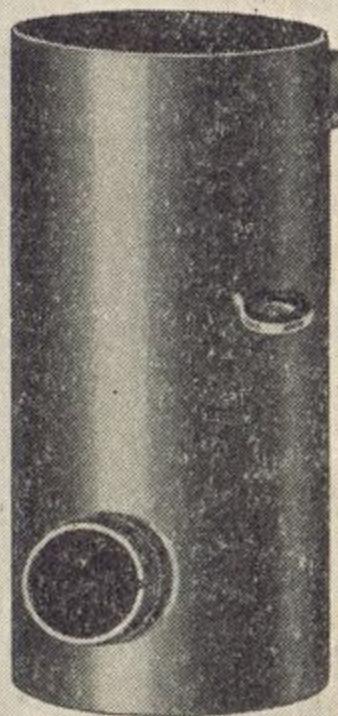
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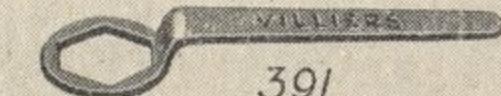
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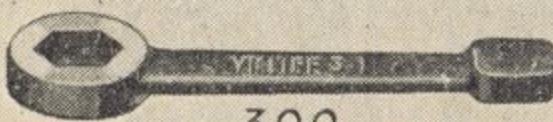
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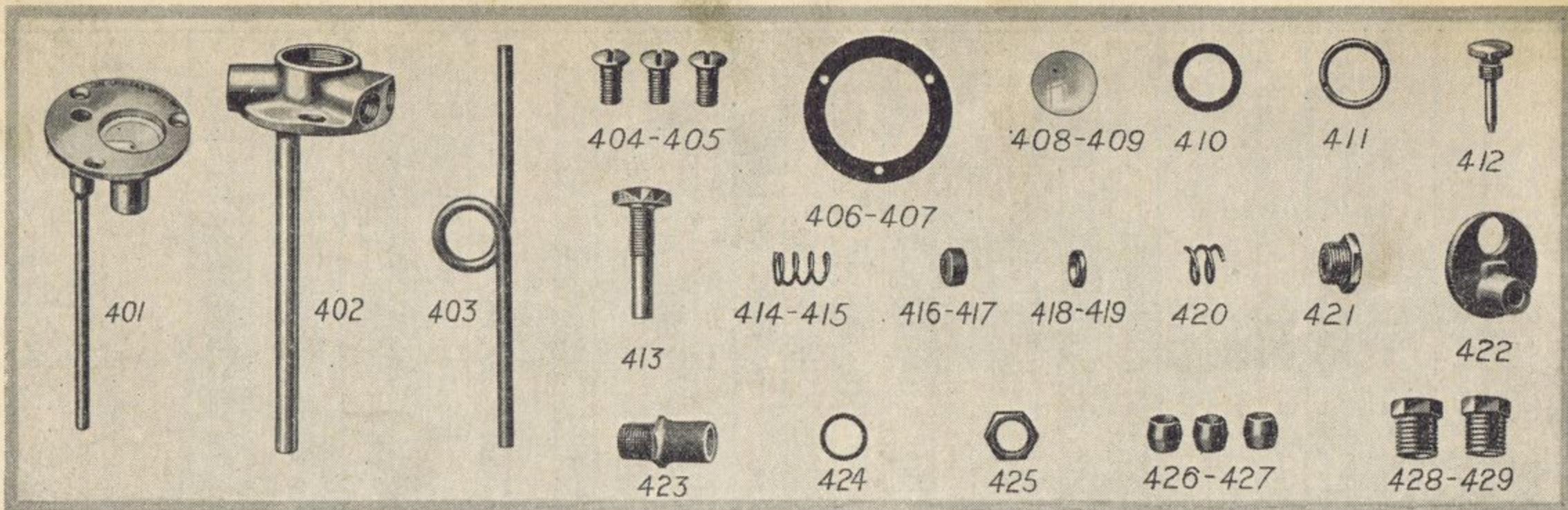
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345-348

349 350 351-352 353 354
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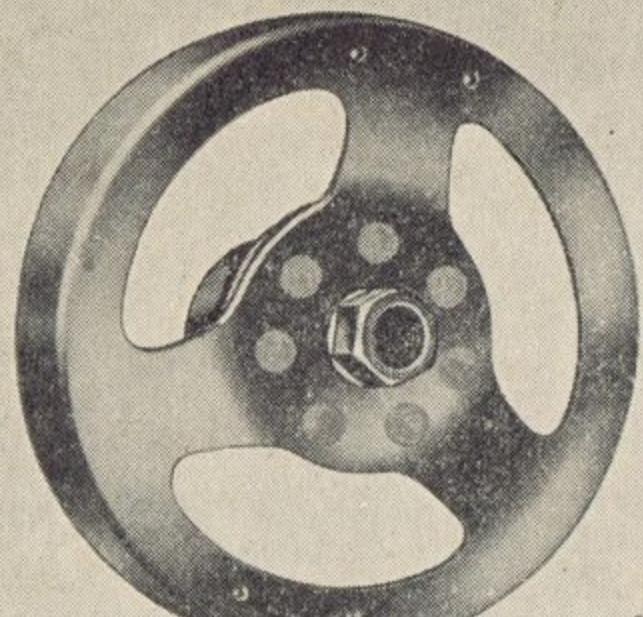
DESCRIPTION.	Part No.	Price Each.	98 c.c.	147 c.c.	148 c.c.	172 c.c.	196 c.c.	247 c.c.	249 c.c.	342 c.c.	346 c.c.
Release Valve Stem ..	251	1/3	CY	CY	CY	T	I E	X A	IX A	IX BA	X B
" " " Split Pin ..	252	1/-	CY	H	H	T	Sp'ts Petrol				XVII B
" " " Nut ..	255	1d.	CY	L	L	TL	Sports Auto. Lub.				
" " " Spring ..	256	2d.	CY	L	W	TL	Super Sports T.T.				
" " " Washer ..	257	1d.	CY	L	W	TL	Brooklands				
" " " "	258	3d.	CY	W	Y	BZ	I E				
" " " "	259	3d.	CY	W	Y	BZ	Petrol				
" " " "	260	1d.	CY	W	Y	BZ	Auto. Lub.				
" " " "	261	1d.	CY	W	Y	BZ					
" " " "	253	1d.	CY	W	Y	BZ					
" " " "	262	1/6	CY	W	Y	BZ					
" " " "	263	2/-	CY	W	Y	BZ					
" " " "	264	1d.	CY	W	Y	BZ					
" " " "	266	1d.	CY	W	Y	BZ					
" " " "	267	1d.	CY	W	Y	BZ					
" " " "	268	1d.	CY	W	Y	BZ					
" " " "	269	6d.	CY	W	Y	BZ					
" " " "	270	2d.	CY	W	Y	BZ					
" " " "	271	1d.	CY	W	Y	BZ					
" " " "	273	3d.	CY	W	Y	BZ					
Crankcase Stud ..	279	2d.	CY	W	Y	BZ					
" " " Spring Washer ..	281	1d.	CY	W	Y	BZ					
" " " Nut ..	282	1d.	CY	W	Y	BZ					
Engine Stud ..	283	3d.	CY	W	Y	BZ					
" " " Washer ..	288	3d.	CY	W	Y	BZ					
" " " Nut ..	284	1d.	CY	W	Y	BZ					
" " " Distance Piece ..	285	1d.	CY	W	Y	BZ					
" " " Plates (per pair) ..	286	2d.	CY	W	Y	BZ					
Inlet Pipe (Straight) ..	290	6/-	CY	W	Y	BZ					
" " " (148-196c.c.) ..	291	5/-	CY	W	Y	BZ					
" " " (Angular) (..	292	5/-	CY	W	Y	BZ					
" " " (Straight)(247-346c.c.) ..	293	6/-	CY	W	Y	BZ					
" " " (Angular) (..	294	6/-	CY	W	Y	BZ					
" " " (Curved)(148-196c.c.) ..	296	6/6	CY	W	Y	BZ					
" " " (247-346c.c.) ..	297	7/6	CY	W	Y	BZ					
Inlet Pipe Washer ..	304	4d.	GY	T	TL	BZ	Y	IE	X DZ	JZ	
" " "	305	3d.	GY	T	TL	BZ	Y	IE	X Z	KZ	
" " "	306	4d.	GY	T	TL	BZ	Y	IE	X Z	KZ	
" " "	308	4d.	GY	T	TL	BZ	Y	IE	X Z	KZ	
" " "	307	4d.	GY	T	TL	BZ	Y	IE	X Z	KZ	

Owing to the many different patterns of Induction Pipes, it is impossible to list these individually. The prices of Induction Pipes for various Engines are shown, and when ordering, full details of the type of Engine and make and Model of Motor Cycle should be given to ensure the correct pattern replacement Induction Pipe being supplied.

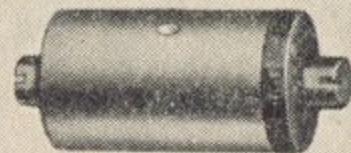


DESCRIPTION.	Part No.	Price Each.	MARK I LUBRICATOR. (Usually fitted to Oil Compartment in Petrol Tank.)	MARK II LUBRICATOR. (Usually fitted to separate Oil Tank.)	MARK III LUBRICATOR. (without sight feed).
Lubricator Body ..	401	6/-	X	—	—
" " " " " " ..	430	5/-	—	—	X
Delivery Pipe ..	402	8/6	—	X	—
" " " " " " ..	403	6d.	X	—	—
" " " " " " ..	431	1/-	—	—	X
Lubricator Body Top Screw (each) ..	404	2d.	X	—	—
" " " " " " ..	405	3d.	—	X	—
" " " " " " ..	432	1/-	—	—	X
" " " " " " ..	406	3d.	X	—	—
" " " " " " ..	407	3d.	—	X	—
" " " " " " ..	433	3d.	—	—	X
" " " " " " ..	408	2d.	X	—	—
" " " " " " ..	409	2d.	—	X	—
" " " " " " ..	410	1d.	X	XX	—
" " " " " " ..	411	6d.	X	—	—
Bottom Plate ..	434	6d.	—	—	X

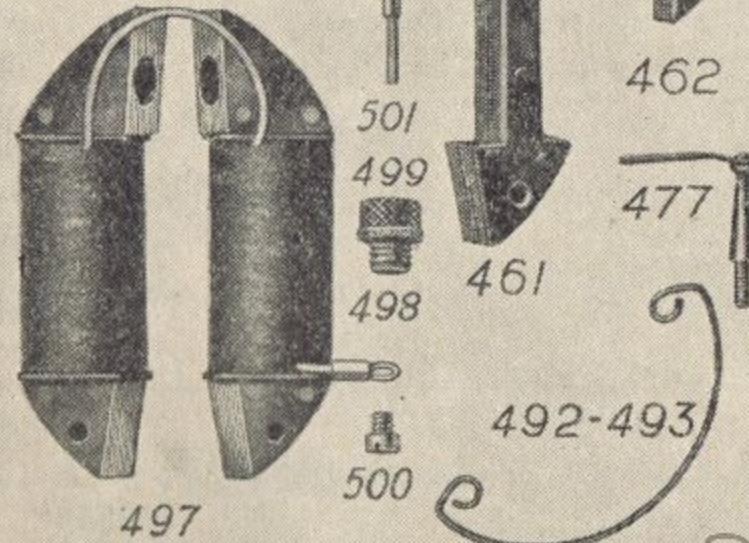
DESCRIPTION	Part No.	Price Each.	MARK I LUBRICATOR. (Usually fitted to Oil Com- partment in Petrol Tank.)	MARK II LUBRICATOR. (Usually fitted to separate Oil Tank.)	MARK III LUBRICATOR. (without sight feed.)
Adjusting Screw	412	1/-	X		
" " Spring	413	1/6	-X	X	-X
" " Cork Gland	414	2d.	X	-X	-X
" " " " 415	3d.		-X	-X	-X
" " " " 416	1d.		X	-X	-X
" " " " 417	1d.		-X	X	-X
" " " " 418	1d.		X	-X	-X
" " " " 419	1d.		-	X	-X
" " " " (Bottom)	435	1d.	-	-X	XX
" " " " Spring	420	2d.	-	X X	XX
" " " " Nut	421	6d.	-	-X	XX
Vent Hole Wire	436	1d.	-	-X	-
" " " " 437	1d.		-	X	-
Bottom Tank Plate	422	1/6	X	-	-
" " Union	423	1/6	X X	-	-
" " " " Washer	424	1d.	X X	-	-
" " " " Nut	425	2d.	X X	-	-
Solderless Nipples $\frac{1}{4}$ " (set of 6)	426	9d.	X	-X	X
" " $\frac{5}{16}$ " (set of 4)	427	6d.	-	X	-X
Union Nut $\frac{1}{4}$ "	428	3d.	X	-X	-
" " $\frac{5}{16}$ "	429	4d.	-	-X	-



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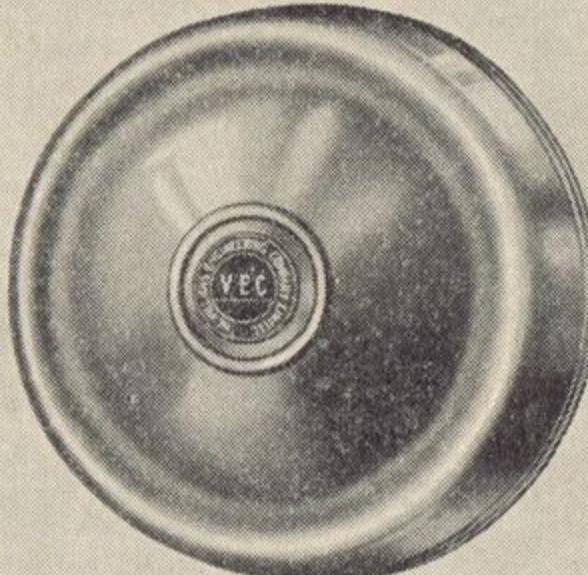
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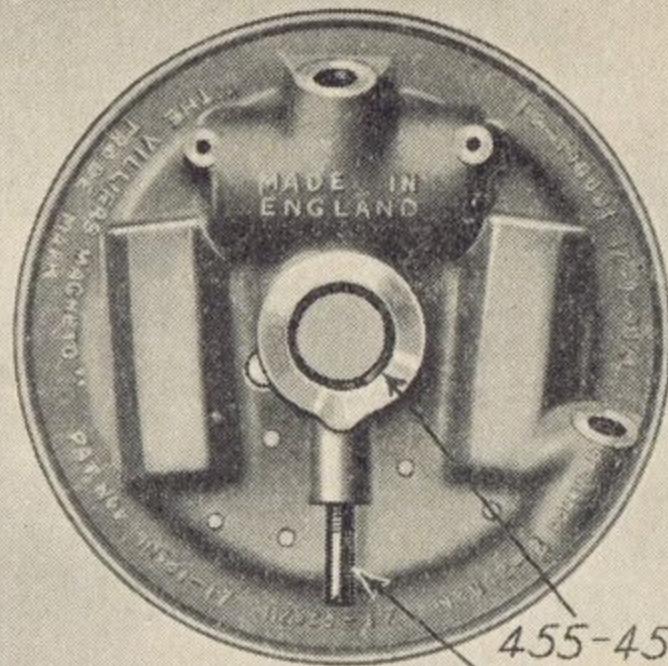
497



443-446 447-448 449-450

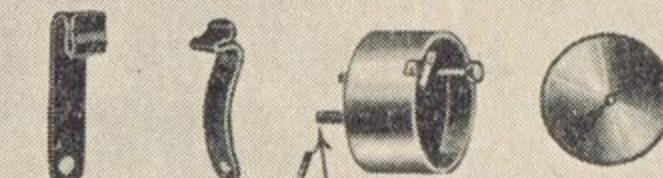


467-469

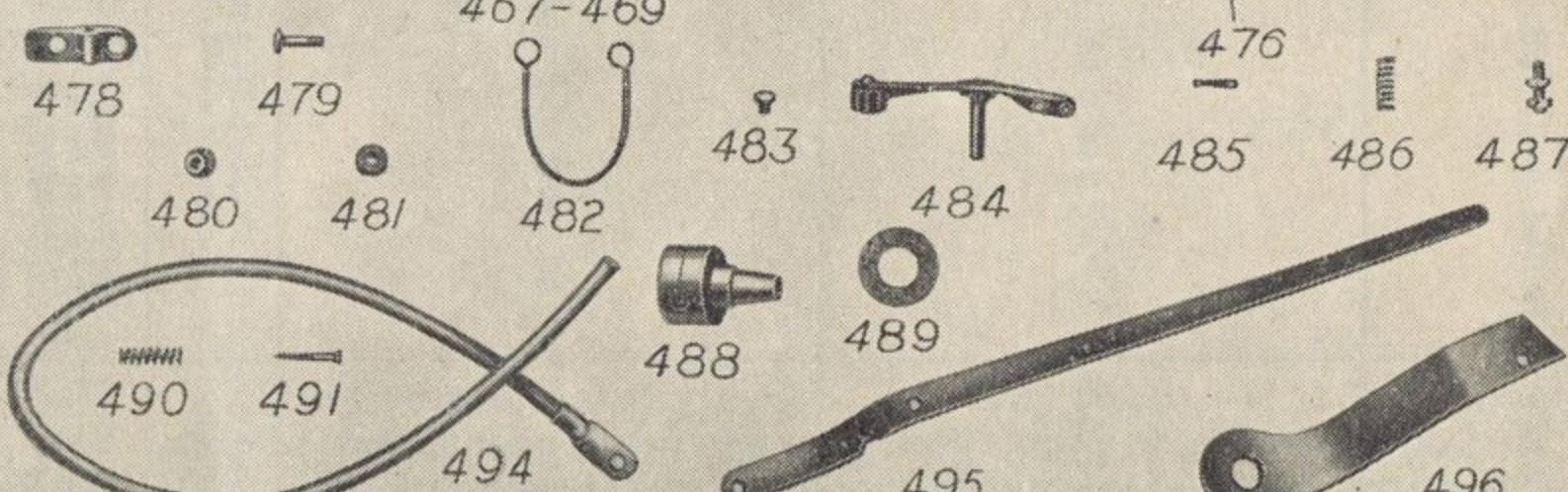


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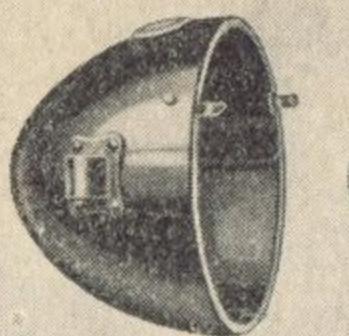
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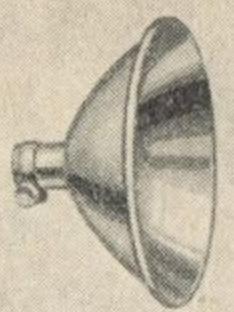
DESCRIPTION.	Part No.	Price Each.	SMALL 2-POLE FLY-WHEEL MAGNETO		4-POLE MAGNETO.	LARGE FLY-WHEEL MAGNETO fitted to Engines J/S/X/K/M/AZ.
			Plain, with Direct Lighting, Parking Sets, or Rectifier Charging Set.	Magneto with 1928-9 Charging Set.		
Flywheel with Cam and Nut (Brass) .. .	440	19/-	X	—	—	—
" " " " " (Aluminium) .. .	440A	15/-	X	—	—	—
" " " " " .. .	441	19/-	—	X	—	—
" " " " " .. .	800	15/-	—	—	X	—
" " " " " .. .	442	25/-	—	—	—	X
Magnets (no lighting) (per pair) .. .	443	15/-	X	—	—	—
" (for direct lighting) (per pair) .. .	444	15/-	X	—	—	—
" (for charging set) (per pair) .. .	445	25/-	X	—	—	—
" (per pair) .. .	446	18/-	—	—	—	X
" (set of 4) .. .	801	20/-	—	—	X	—
Pole Shoes (per pair) .. .	447	2/6	X	X	—	—
" " (set of four) .. .	802	2/-	—	—	X	—
" " (per pair) .. .	448	4/6	—	—	—	X
Pole Shoe Top Plates (per pair) .. .	449	3d.	X	X	—	—
" " " (set of four) .. .	803	6d.	—	—	X	—
" " " (per pair) .. .	450	4d.	—	—	—	XX
Pole Shoe Screw .. .	451	1d.	X	X	X	—
Armature Plate .. .	452	7/6	X	—	—	—
" " .. .	453	10/-	—	—	—	—
" " .. .	805	8/-	—	—	X	—
" " .. .	454	10/6	—	—	—	X
" " (for Rectifier Set) .. .	452A	7/6	X	—	—	—
" " Steel Bush .. .	455	9d.	X	X	X	—
" " Lock Screw .. .	456	1/-	—	—	—	XX
Lighting Coil (complete) .. .	809	9/-	—	—	XX	—
Laminated Cheek Ends .. .	812	1/-	—	—	XX	—
Lighting Coils (per pair) .. .	497	15/-	X	X	—	—
" Terminal Bush .. .	498	6d.	X	XX	X	—
" " " Washer .. .	499	2d.	X	XX	XX	—

DESCRIPTION.	Part No.	Price Each.	SMALL 2-POLE FLY-WHEEL MAGNETO		4-POLE MAGNETO.	LARGE FLY-WHEEL MAGNETO fitted to Engines J/S/X/K/M/AZ.
			Plain, with Direct Lighting, Parking Sets, or Rectifier Charging Set.	Magneto with 1928-9 Charging Set.		
Lighting Terminal Bush Plug	500	3d.	X	X	X	—
Split Terminal	501	3d.	X	X	X	X
Ignition Coil	459	15/-	X	X	X	—
Ignition Coil	460	22/6	—	—	—	X
Laminated Cheeks (per pair)	461	2/9	X	X	—	—
" " Armature Plate Screw (short)	462	4/6	—	—	—	X
" " " (long)	463	1d.	X	X	—	X
" " " Washer	464	1d.	X	X	—	X
" " " Nut	465	1d.	X	X	X	X
Magneto Cover	466	1d.	X	X	X	X
" "	467	4/-	X	—	—	—
" "	468	5/6	—	X	—	—
" "	469	5/-	—	—	—	X
" " Clip (flat)	470	2d.	X	—	—	—
" " " (curved)	471	2d.	X	—	—	—
" "	472	3d.	—	X	—	—
" "	473	2d.	—	—	—	X
" " " (new type)	473A	2d.	X	—	X	—
Condenser Box with Condenser	474	8/-	X	X	X	X
" " Lid	475	3d.	X	X	X	X
" " Stud	476	1d.	X	X	X	X
" " " Washer	465	1d.	X	X	X	X
" " " Nut	466	1d.	X	X	X	X
" " Pillar Washer	465	1d.	X	X	X	X
" " " Nut	466	1d.	X	X	X	X
" " Clip and Pillar	477	6d.	X	X	X	X
Point Clamp	478	6d.	X	X	X	X
" " Screw	479	1d.	X	X	X	X
" " Top Bush	480	1d.	X	X	X	X
" " Bottom Bush	481	1d.	X	X	X	X

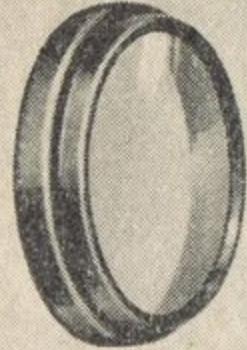
DESCRIPTION.	Part No.	Price Each.	SMALL 2-POLE FLY-WHEEL MAGNETO		4-POLE MAGNETO.	LARGE FLY-WHEEL MAGNETO fitted to Engines J/S/X/K/M/AZ.
			Plain, with Direct Lighting, Parking Sets, or Rectifier Charging Set.	Magneto with 1928-9 Charging Set.		
Low Tension Lead	482	6d.	X	X	X	X
" " Plug	483	1d.	X	X	X	X
Rocker Arm with Point and Pad	484	3/-	X	X	X	X
" " Clip	485	1d.	X	X	X	X
" " Spring	486	3d.	X	X	X	X
Screwed Point with Locknut	487	2/-	X	X	X	X
High Tension Terminal	488	9d.	X	X	—	X
" " " Washer	810	9d.	—	—	X	—
" " " Spring	489	2d.	X	X	X	X
" " " Pad	490	2d.	X	X	X	X
" " " Screw	490a	1d.	X	X	X	X
" " " Fastener	491	1d.	X	X	X	X
" " "	492	3d.	X	X	—	—
" " "	493	3d.	—	—	—	X
High Tension Lead	494	1/6	X	X	X	X
Variable Ignition Control Lever	495	9d.	X	X	X	X
Fixed Ignition Strap	496	6d.	—	—	—	—
" " "	811	6d.	—	—	X	—



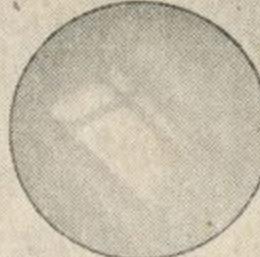
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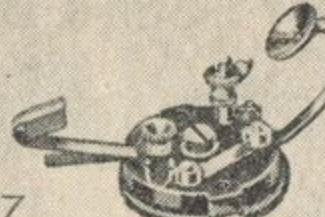
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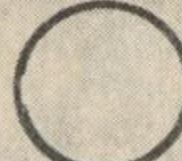
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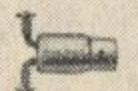
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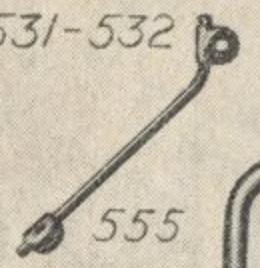
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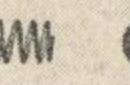
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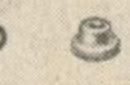
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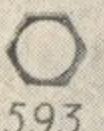
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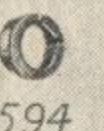
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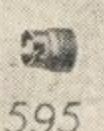
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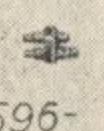
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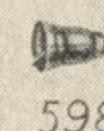


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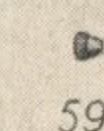


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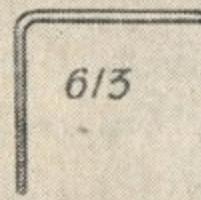
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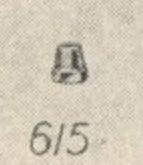
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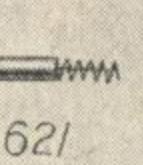
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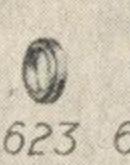
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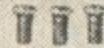
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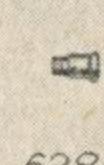
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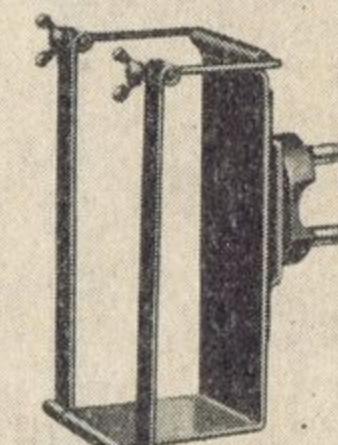
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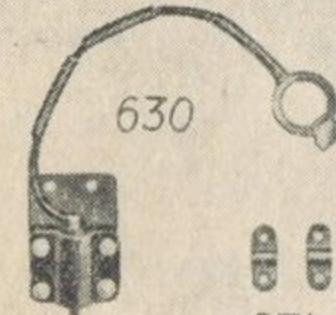
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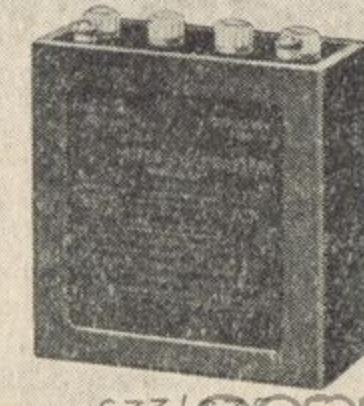
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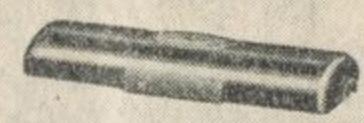
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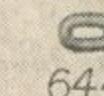
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DESCRIPTION.	Part No.	Price Each.	4½" Direct Set.	6" Direct Set.	6" Charging Set	Rectifier Set	5" Parking Set.	5½" Parking Set.	7" Parking Set.
Head Lamp Body	700	15/-				X			X
" " " and Battery Clip	730	12/-				X			X
Reflector	775	14/-				X			X
" only	701	9/6				X			X
Lamp Front and Glass	731	5/6				X			X
" " "	776	4/6				X			X
Lamp Front and Glass	732	5/-				X			X
" " "	702	7/6				X			X
Front Glass only	777	5/-				X			X
Front Glass only	733	9d.				X			X
" " "	703	2/-				X			X
Glass Retainer Spring	778	1/-				X			X
" " "	734	3d.				X			X
" " "	705	3d.				X			X
Rubber Washer for Glass	779	3d.				X			X
Front Rim Latch Bolt	780	6d.				X			X
" " " " Spring	706	6d.				X			X
" " " Fly Nut	707	2d.				X			X
Lamp Front Clip	708	8d.				X			X
" " " Spring	781	9d.				X			X
Switch with Contacts	782	3d.				X			X
" " "	735	6/-				X			X
" " "	540	7/6				X			X
" " "	710	7/6				X			X
" " "	784	9/-				X			X
Switch Top Plate	713	2/-				X			X
" " "	541	2/-				X			X
Switch Contact Wiper	542	6d.				X			X
Switch Barrel and Spindle	714	2/-				X			X
" " " Top Plate Washer	784A	1/8				X			X
Switch Top Plate Washer	543	4d.				X			X
Switch Lever	544	1/3				X			X
" " " Screw	786	1/-				X			X
" " " Screw	545	3d.				X			X
" " "	788	3d.				X			X
Switch Spindle	538	1/6				X			X
" " " Washer	539	3d.				X			X
" " " Screw	546	6d.				X			X
Tongued Washer	547	3d.				X			X
Spring Washer for Top Plate Studs	548	1d.				X			X
Finger Nut for Top Plate Studs	549	3d.				X			X
Switch Fastener Spring Clip	784B	3d.				X			X
" Tumbler	784C	1/-				X			X
" Resistance	784D	1/-				X			X
" Spindle Plunger	784E	3d.				X			X
" " " " Spring	784F	1d.				X			X
" " " " Roller	784G	1d.				X			X

DESCRIPTION.	Part No.	Price Each.	4½" Direct Set.	6" Direct Set.	6" Charging Set	Rectifier Set	5" Parking Set.	5½" Parking Set.	7" Parking Set.
Rubber Cable Guide ..	550	6d.							X
Main Bulb Holder ..	784H	2/6							X
Pilot Bulb Holder ..	784J	6d.							X
Head Lamp complete with Bulb(s), less Brackets ..	740	25/-							X
" " " " "	741	20/-							X
" " " " "	742	25/-							X
" " " " "	795	20/-							X
Head Lamp Bracket Screw ..	560	6d.		X		X			X
" " " Nut ..	784K	3d.							X
" " " Spring Washer ..	784L	1d.							X
BULBS.—									
Head Lamp, Main, 6v. .5 amp. Double Contact ..	744	2/6	X						X
" " " 6v. .5 amp. Single Contact ..	745	2/6		X					X
" " " 6v. .75 amp. Double Contact ..	571	2/6		X					X
" " " 6v. .75 amp. Single Contact ..	725	2/6							X
" " " 4v. 1 amp. Double Contact ..	572	3/-							X
" " " 6v. 1 amp. Single Contact ..	573	3/-							X
Pilot 6v. .3 amp. Single Contact ..	574	1/8							X
" 4v. .125 amp. Single Contact ..	726	1/10							X
" 3.5v. .3 amp. Screw Cap ..	793	6d.							X
Tail Lamp 4v. .125 amp. Double Contact ..	576	1/10	X			X			X
" " 4v. .75 amp. Double Contact ..	575	1/10		X					X
" " 6v. .3 amp. Single Contact ..	574	1/8							X
" " 3.5v. .3 amp. Screw Cap ..	793	6d.							X
CABLES.—									
Magneto—Head Tail ..	581	5/-	X						X
Magneto Accumulator—Head—Tail ..	582	6/-				X			X
Magneto—Rectifier (each) ..	583	1/6							X
Magneto—Head ..	792	1/3							X
Rectifier—Accumulator—Head ..	584	2/6							X
Head—Tail ..	585	2/-							X
Head—Tail ..	792A	2/-							X
Head—Earth ..	792B	2/-							X
Earth Wire ..	586	1/-				X			X
Complete set of 4 Cables ..	715	5/-							X
TAIL LAMP (large).—									
Body and Glass ..	591	4/-	X			X			X
Fixing Plate ..	592	6d.		X		X			X
Large Nut ..	593	6d.		X		X			X
Knurled Nut ..	594	9d.		X		X			X
Bulb Holder ..	595	6d.		X		X			X
Plunger Assembly ..	596	6d.		X		X			X
End' Cover ..	597	6d.	X		X	X			X
Cap ..	598	6d.		X		X			X
TAIL LAMP (small).—									
Bulb Holder with Knurled Ring ..	599	3d.	X						X

DESCRIPTION.	Part No.	Price Each.	4½" Direct Set.	6" Direct Set.	6" Charging Set	Rectifier Set	5" Parking Set.	5½" Parking Set.	7" Parking Set.
TAIL LAMP (small)—(Continued).									
Lamp Body with Ruby Glass ..	720	2/6	—	—	—	—	X	—	X
Adaptor Nut ..	721	1/6	—	—	—	—	XX	—	XX
Enamelled Spring ..	722	2d.	—	—	—	—	XX	—	XX
Large Hexagon Nut ..	723	8d.	—	—	—	—	XX	—	XX
Cable Guide and Nut ..	724	9d.	—	—	—	—	XX	—	XX
Lamp Body ..	789	1/6	—	—	—	—	—	X	—
Bulb Holder Complete ..	790	2/6	—	—	—	—	—	X	—
Dry Battery ..	716	2/-	—	—	—	—	—	X	—
" Battery Container with Clips ..	794	8d.	—	—	—	—	—	—	—
Battery Container Top Cover ..	717	4/6	—	—	—	—	—	—	—
Accumulator Carrier complete ..	718	1/-	—	—	—	—	—	—	—
" U " Clip ..	611	8/6	—	—	—	X	—	—	—
" U " Clip Nut ..	613	1/9	—	—	—	XX	—	—	—
Carbon Brush ..	615	2d.	—	—	—	XX	—	—	—
" Holder ..	621	2/-	—	—	—	XX	—	—	—
" Bush ..	622	1/6	—	—	—	XX	—	—	—
" Nut ..	623	3d.	—	—	—	XX	—	—	—
Commutator Ring ..	624	3d.	—	—	—	XX	—	—	—
" Screw (each) ..	625	3/6	—	—	—	XX	—	—	—
Cut Out Arm ..	626	1d.	—	—	—	XX	—	—	—
" Pivot ..	627	1/-	—	—	—	XX	—	—	—
" Spring ..	628	2d.	—	—	—	XX	—	—	—
Cover Cable and Contact ..	629	3d.	—	—	—	XX	—	—	—
" Clamp ..	630	2/-	—	—	—	XX	—	—	—
Locating Peg ..	631	1d.	—	—	—	XX	—	—	—
Nife Accumulator complete ..	632	3d.	—	—	—	XX	—	—	—
" Lid ..	633	40/-	—	—	—	XX	—	—	—
Exide Accumulator complete ..	634	3/-	—	—	—	XX	—	—	—
" Lid ..	635	23/-	—	—	—	XX	—	—	—
Rectifier complete ..	636	3/-	—	—	—	XX	—	—	—
" Case ..	640	40/-	—	—	—	XX	—	—	—
" End Plate (each) ..	641	4/-	—	—	—	XX	—	—	—
" Bracket ..	642	1/-	—	—	—	XX	—	—	—
" Rubber Guide ..	643	6d.	—	—	—	XX	—	—	—
	644	6d.	—	—	—	XX	—	—	—