



SPARE PARTS

FOR

Medium Weight  
Gear Boxes,  
Model F.

**The Albion Engineering Co. Ltd.,**

48 to 56 UPPER HIGHGATE STREET,  
BIRMINGHAM, England.

*Telephone Nos. :*

MIDLAND 1017 & 1018

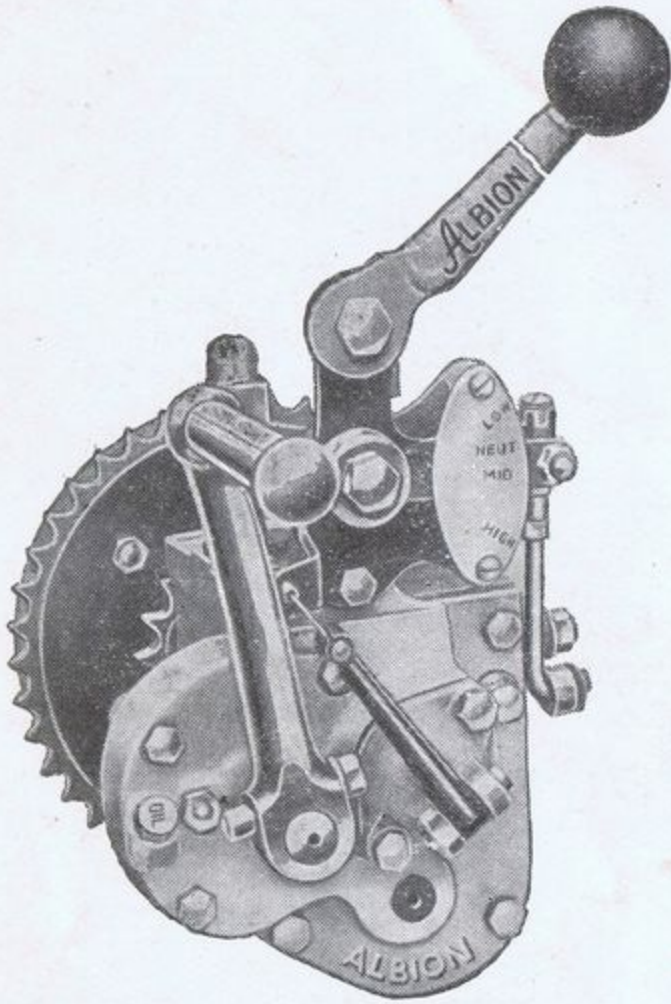
*Telegrams :*

EASTART, BIRMINGHAM.

[Barnstormers.co.nz](http://Barnstormers.co.nz)



## GENERAL INSTRUCTIONS.



The Gear Box should be lubricated with heavy engine oil. Mobiloil "B.B." is specially recommended. About half a teacupful should be added every 250 miles. Do not use grease, as it is not suitable for lubricating this Gear Box.

Every six months drain out the oil through the drain plug provided, flush with a small quantity of paraffin, draining this off thoroughly, and then replenish with fresh oil.

The joints of control should be oiled occasionally, also a little oil run down side of chain wheel will lubricate the clutch bearing.

Engine should be started up with the gear control in neutral position; when engine is running, withdraw clutch with the handle bar lever, at the same time pull up gear change lever into low. The clutch can then be let in very gradually, and the clutch allowed to grip as the machine glides away.

To change to a higher gear use the valve lifter to allow the speed of the engine to reduce. To change down use the clutch, to enable the engine to increase in speed.

The cable controlling clutch must always be left slack when clutch is in ; if this is tight it will hold clutch partly out and cause slip.

The clutch is of the cork insert type ; if at any time the corks become worn they can easily be renewed. To fit new corks soak them in very hot water.

To take Gear Box apart, take off kick starter crank, and bearing cover carrying clutch lever, unscrew nut off spindle (left hand thread), unscrew pins holding cover and the lid will lift off.



When replacing cover, the kick starter return spring and stop being placed inside box, it will be necessary to turn the kick starter segment about half a turn to tighten spring, and bring segment clear of stop, just before the lid drops into position.

The belt pulley is screwed on to the sleeve cog with a right hand thread, and can be unscrewed after taking off the lock ring and washer. In chain drive boxes the final drive sprocket is secured to sleeve cog by means of splines, and is held in position by the lock ring and washer.

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## Instructions for Ordering Spare Parts.

Always, if possible send patterns. These will not be returned unless specially asked for. If it is not possible to send patterns, state **Letter and Number** stamped on the Gear Box. State also, Make and Year of manufacture of Machine and H.P. of Engine.

If Pully required state diameter and also width of belt.

If Gear Pinions required, state Number of teeth. Inspect Gears to see if there is a letter stamped on them, if so, state this always, as these are quite special pinions. If sprocket is required, specify No. of teeth and for what pitch chain.

If Gear Box Case or Lid is required, old case or lid **must** be sent.

When ordering ball races please state **exact** outside diameter and diameter of hole. Push rods, always give overall length, and Number and Letter of Gear Box.

These spare parts illustrated are for Boxes fitted to machines from 200cc. to 350cc. capacity, and the Boxes are stamped "Model F" near the Number.

For other model Boxes apply for separate list.

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		£	s.	d.			s.	d.
F1	Gear Box Cover	16	6		F24	Inside Operator Anchor Pin		6
F2	Gear Box Case	1	0	0	F25	Operator Fork	2	0
F3	Felt Washer			3	F26	K.S. Segment	10	6
F4	Dished Washer			3	F27	K.S. Segment Bush (Case)	1	0
F5	Ball Race, $2\frac{1}{4}'' \times 1'' \times \frac{5}{8}''$	11	6		F28	K.S. Segment Bush (Cover)	1	6
F6	Ball Race, 35×15×11 m/m	8	0		F29	K.S. Segment Stop Pin and Nut		6
F7	Main Shaft	18	6		F30	K.S. Segment Return Spring	1	0
F8	High Gear Pinion, Chain Drive	10	0		F31	K.S. Segment Return Spring Screw and Nut		6
F.B.8	High Gear Pinion, Belt Drive	10	0		F32	Oil or Drain-Plug		4
F9	Low Gear Pinion, Main Shaft	5	6		F33	Bearing Cap	3	0
F10	Low Gear Pinion, Secondary Shaft	5	0		F34	Bearing Cap Screws per pair		9
F11	Secondary Shaft Sleeve	12	6		F35	Clutch Operating Lever and Ball	2	6
F12	Secondary Shaft Sliding Pinion	6	6		F36	Cotter and Split Pin for above		4
F13	Mainshaft Sliding Pinion	6	6		F37	Cover Screws Long(3) " " Short(3)	1	6
F14	Secondary Shaft Spindle	4	6		F38	Plunger		4
F15	Secondary Shaft Bush	1	6		F39	Plunger Spring		3
F16	Ratchet Lock Ring	3	6		F40	Plunger Spring Box		8
F17	Ratchet Pinion	4	6		F41	Push Rod	1	2
F18	Distant Bush	1	6		F42	Kick Starter Crank	6	0
F19	Ratchet Spring			3	F43	Cotter Pin, Nut and Washer for above		6
F20	Clutch Lock Nut			4	F44	Holding-on Studs Dome Nuts and Washers per pair	2	6
F21	Mainshaft End Nut			4	F45	Final Drive Sprocket 21T $\frac{1}{2} \times \frac{3}{16}$ , $\frac{1}{4}$ or $\frac{5}{16}$	8	6
F22	Inside Operator	6	6					
F23	Inside Operator Bush	4	0					

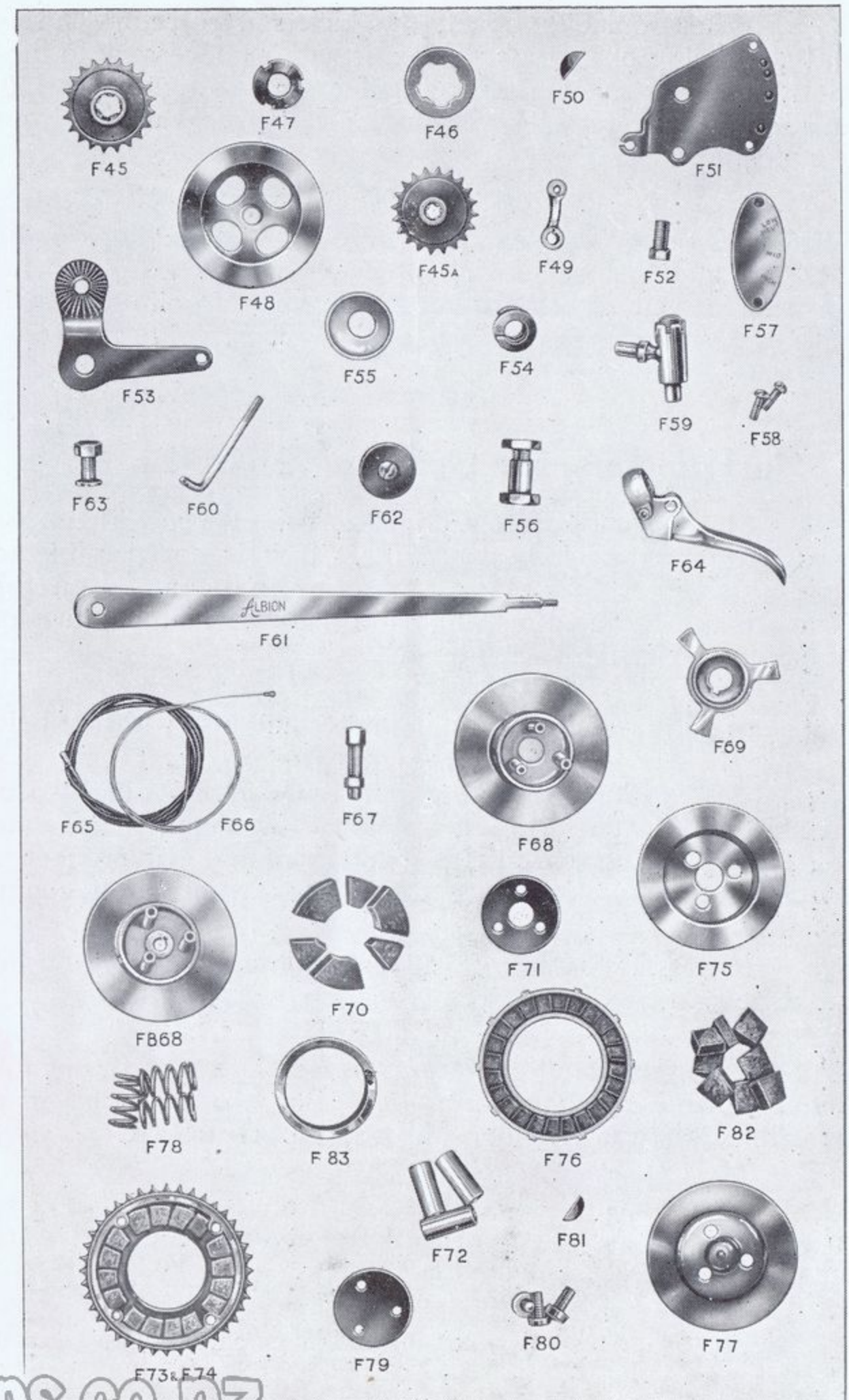
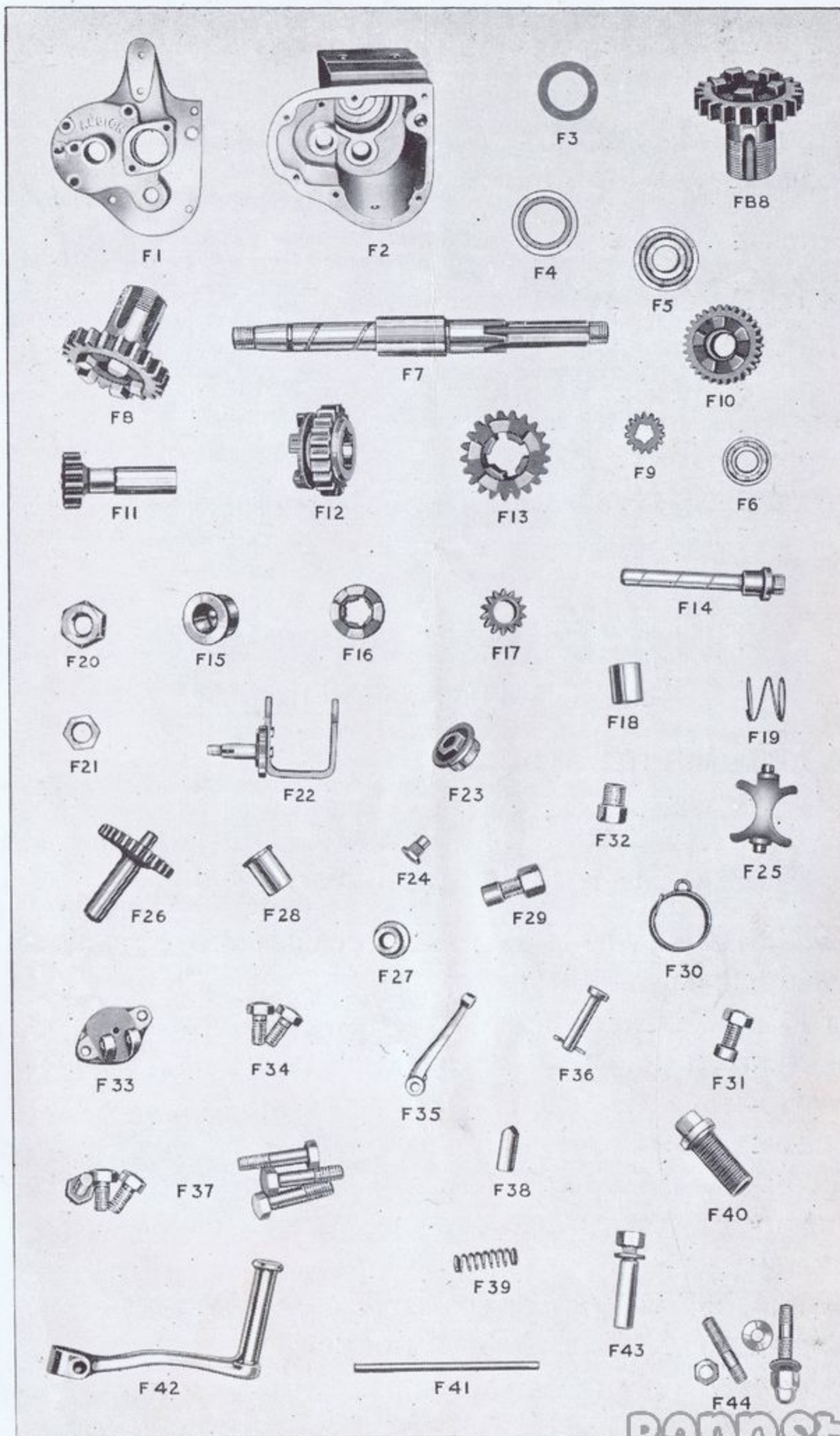
ALL PRICES PLUS POSTAGE.

Instructions for ordering, see over.

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# PARTS FOR ALBION MEDIUM WEIGHT GEAR BOXES, F MODEL



Illustrations are not to scale, small parts having been enlarged to show up more clearly.

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		s.	d.
F45a	Final Drive Sprocket 19T ... ..	7	6
F46	Final Drive Sprocket Lock Washer		4
F47	Final Drive Sprocket Lock Ring ...	1	2
F48	Pulley 6 $\frac{3}{8}$ " x $\frac{3}{4}$ " ...	11	0
F49	Outside Operator	3	0
F50	" " Key		6
F51	Quadrant ... ..	3	0
F52	Quadrant Securing Pin		3
F53	Short Control Arm	3	0
F54	Control Spring ...		6
F55	" " Cap	1	0
F56	" " Pin End Nut ... ..		6
F57	Quadrant Cap ...	1	0
F58	" " Screws per pair ...		3
F59	Universal Joint ...	1	6
F60	Control Rod ...		4
F61	Change Speed Lever	4	6
F62	" " Knob and Nut "	1	0
F63	Change-Speed Lever Conn. Screw and Nut		3
F64	Handlebar Lever	7	6
F65	Cable Outer ...	2	6

		s.	d.
F66	Cable Inner ...		6
F67	Adjusting Screw and Nut ...		4
F68	Back Clutch Plate, Centre Drum and Studs S.A. ...	16	0
FB68	Back Clutch Plate, Clutch Centre, P.B. Bearings & Studs, Belt Drive	16	0
F69	Clutch Centre S.A.	10	0
F70	Rubber Segments, 3 large and 3 small	3	6
F71	Retaining Washer for Segments ...	2	6
F72	Distant Pieces for Clutch Studs S.A. each	1	0
F73	Clutch Sprocket ...	17	6
F74	Clutch Sprocket Drum ... ..	7	6
F75	Intermediate Plate	4	0
F76	Cork Inset Plate	4	6
F77	Front Plate ...	5	0
F78	Clutch Springs, each		4
F79	Clutch Cap ...	3	0
F80	Screws for Clutch Springs, each ...		3
F81	Mainshaft Key ...		6
F82	Corks, per set ...	2	6
F83	P.B. Bearing, Belt Drive ... ..	4	0

**Oil Gear Box every 250 miles with Mobiloil "B.B."**

ALL PRICES PLUS POSTAGE.

Instructions for ordering, see over.

[P.T.O.]

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## Foreign Agents

from whom spares may be obtained.

BELGIUM—Messrs. J. MONGE ET CIE, 21 Rue des Fabriques, Bruxelles.

CZECHO-SLOVAKIA—Mr. INGENIEUR L. HAHN,  
21 Premyslova, Prague-Vrsovice.

FRANCE—ETABLISSEMENTS DELHEIM,  
39 Avenue du Roule, Neuilly, Seine, Paris.

GERMANY—Messrs. L. DEKTEREFF & Co.,  
118 Queen Victoria Street, London, E.C.4.

Messrs. DECO, G.m.b.H., Kurfurstenstrasse 88, Berlin, W.62.

Messrs. DECO, G.m.b.H., Room 54, Dom Hotel, Cologne.

ITALY—Messrs. G. RUINI & FIGLIO, Corso, Italia, N1, Milan.

SPAIN—Mr. TOMAS PADROSA, Napoles 109, Barcelona.

SWITZERLAND—IMEX S.A., 8 Rue Philippe Plantamour, Geneve.

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## Spare Parts for Albion Gears

can always be obtained from—

LONDON—Messrs. H. TAYLOR & Co. Ltd.,  
49, 50, 52 & 53 Sussex Place, S. Kensington.

Messrs. TURNERS STORES,  
180-1-2, Railway Approach, Shepherds Bush, W.12.

Messrs. B.A.T. MANUFACTURING Co.,  
Kingswood Road, Penge, London.

NEWCASTLE-ON-TYNE—Messrs. DENE CYCLE Co. Ltd., Haymarket, N-on-T.

CAMBRIDGE—Messrs. H. ROBINSON, Ltd., 35 Green Street.

BATH—Messrs. SPENCER BROS., Weston Garage, Lower Weston.

CHELTENHAM SPA—Messrs. A. WILLIAMS & Co., 11 Portland Street.

BRISTOL—Messrs. A. & H. BASTIN & Co., 64 Gloucester Road.

LEICESTER—Messrs. H. PETTY & Co., Halford Street.

BOLTON—Messrs. KAY BROS., 119 Higher Bridge Street.

TUNBRIDGE WELLS—Messrs. READ BROS., 4 & 6 Goods Station Road.

HOVE, SUSSEX—Messrs. BRADSHAW, 6 Western Road.

LEAMINGTON—Messrs. FORFIELD MOTOR Co., Forfield Place.

MANCHESTER—Messrs. E. E. & R. W. HORNER,  
150 Princes Road, Moss Side.