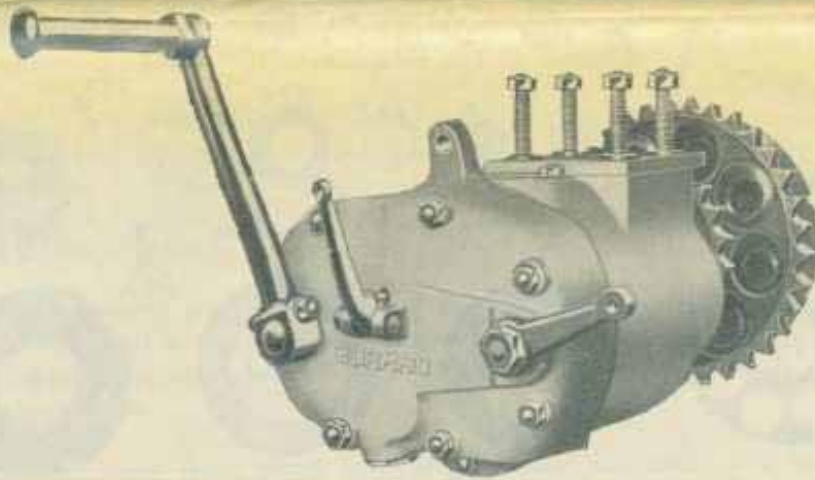


Issued June, 1933

Price List
OF
SPARE PARTS
FOR
BURMAN
GEAR BOXES
MODELS "BA," AND "BAR"

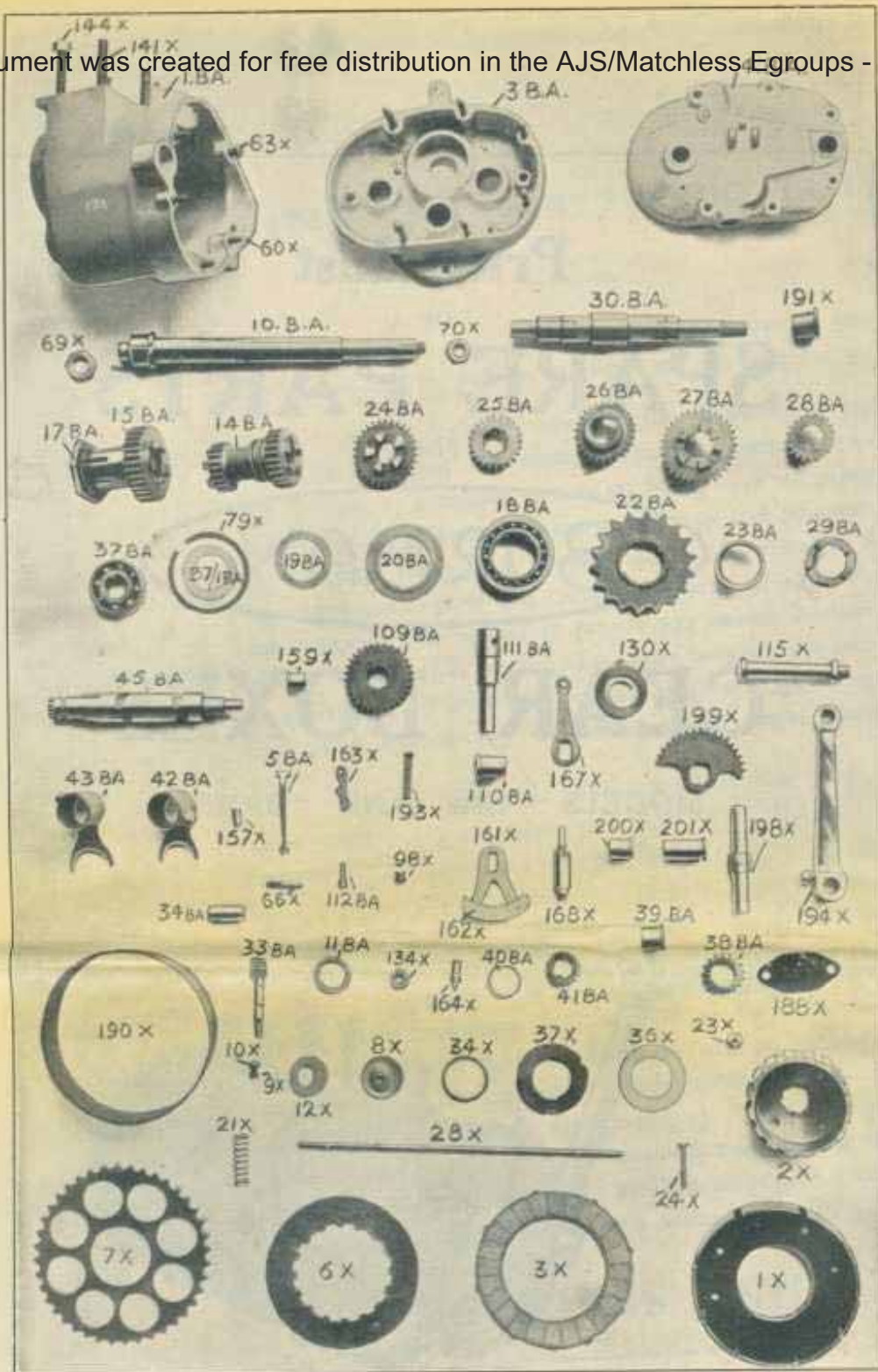


Burman & Sons Limited

Telephone :
Calthorpe
2641-2.

RYLAND ROAD,
BIRMINGHAM.

Telegrams :
"Burmanth,
Birmingham."



When Ordering Spares, the Name and Type of Machine, together with Letters and Number of Gear Box, must be quoted. If possible, send parts as patterns.

Part No.	Mark No.	NAME OF PART	Price	
			s.	d.
1BA	—	Gear Box, four stud	30	0
1BAU	—	Gear Box, four stud, inverted	30	0
1BAP	I	Gear Box, Pivotal	30	0
1BAP	II	Gear Box, Pivotal. (Ariel 1931-2)	30	0
1BAP	III	Gear Box, Pivotal. (Ariel 1933)	30	0
1BAPR	—	Gear Box, Pivotal. (three speed and reverse) (Ariel)	30	0
1BAR	—	Gear Box, four stud, (three speed and reverse)	30	0
1BAUR	—	Gear Box, four stud, inverted (three speed and reverse)	30	0
2/1BA	—	Gear Box Joint Washer	1	—
60X	—	Gear Box Studs	—	6
63X	—	Gear Box Stud Nuts	—	2
3BA	—	Kickstarter Case	15	0
3BA	IV	Kickstarter Case (Ariel)	15	0
3BA	V	Kickstarter Case (Enclosed foot change) 1933	15	0
63X	—	Kickstarter Case Stud Nuts. 1/8"	—	2
152X	—	Kickstarter Case Stud Nuts. 3/16"	—	2
4BA	IV	Kickstarter Case Cover	12	6

Part No.	Mark	NAME OF PART	Price
4BA	V	Kickstarter Case Cover (Ariel)	12 0
4BA	VI	Kickstarter Case Cover (enclosed foot change) 1933	15 0
172X	....	Kickstarter Case Cover Locating Piece	1 0
4/1BA	....	Kickstarter Case Cover Joint Washer	1
4/2BA	I	Kickstarter Case Studs. $\frac{3}{16}$ " Short	6
4/2BA	II	Kickstarter Case Studs. $\frac{3}{16}$ " Long	6
173X	I	Kickstarter Case Studs. $\frac{3}{4}$ " x $1\frac{1}{8}$ "	6
173X	II	Kickstarter Case Studs	6
4/3BA	....	Clutch Lever Bracket (Stevens 3 wheeler 1933)	5 0
5BA	II	Clutch Operating Lever	2 0
5BA	III	Clutch Operating Lever (Fleet 3 wheeler)	2 0
5BA	IV	Clutch Operating Lever (enclosed foot change type)	2 0
5BA	VII	Clutch Operating Lever (Stevens 3 wheeler, 1933)	3 0
5/1BA	....	Clutch Operating Lever Adjuster (Stevens 3 wheeler, 1933)	9
5/2BA	....	Clutch Operating Lever Adjuster Nut	2
204X	....	Kickstarter Case Cover Studs	6
66X	II	Clutch Lever Pin	9
63X	....	Clutch Lever Pin Nut	2
67X	....	Clutch Lever Ball	1
10BA	I	Mainshaft	25 6
10BA	II	Mainshaft, Balloon Tyre	25 6
10BA	III	Mainshaft (Ariel)	25 6
10BA	V	Mainshaft (New Map)	25 6
10BA	VI	Mainshaft (Stevens)	25 6
246X	....	Mainshaft Collar (Ariel)	1 0
69X	....	Mainshaft Nut, Clutch end	6
14BA	I	Mainshaft Sliding Gear, L & H.S. 26-20 teeth	35 0
14BA	II	Mainshaft Sliding Gear, T. T. 26-23 teeth	35 0
15BA	I	Driving Gear H.S. and Bushes, 33 teeth	36 0
15BA	II	Driving Gear L. S. and Bushes, 35 teeth	36 0
15BA	III	Driving Gear, T. T., 31 teeth	36 0
15BA	IV	Driving Gear (Balloon Tyres) H.S. 33 teeth	36 0
15BA	V	Driving Gear (Balloon Tyres) L. S. 35 teeth	36 0
15BA	VI	Driving Gear (Balloon Tyres) T. T. 31 teeth	36 0
15BA	VII	Driving Gear (Balloon Tyres) H.S. 33 teeth (Levis)	36 0
15/1BA	....	Driving Gear Packing Washer	6
223X	....	Driving Gear Bush (Compo)	each 2 0
218X	....	Driving Gear Nut	1 3
17/1BA	....	Driving Gear Nut Lock Washer	6
219X	....	Driving Gear Bearing	16 6
221X	....	Driving Gear Washer	4
220X	....	Bearing Dust Cover	6
79X	....	Bearing Retaining Ring	4
22BA	I	Driving Sprocket $\frac{3}{8}$ " x $\frac{3}{8}$ " 19 teeth	15 0
22BA	II	Driving Sprocket $\frac{1}{2}$ " x $\frac{3}{8}$ " 21 teeth	15 0
22BA	III	Driving Sprocket $\frac{3}{8}$ " x $\frac{1}{2}$ " 18 teeth	15 0
22BA	IV	Driving Sprocket $\frac{3}{8}$ " x $\frac{1}{2}$ " 17 teeth	15 0
22BA	V	Driving Sprocket $\frac{3}{8}$ " x $\frac{3}{8}$ " 15 teeth	15 0
22BA	VI	Driving Sprocket $\frac{1}{4}$ " x $\frac{3}{8}$ " 16 teeth (Stevens 3 wheeler)	20 0
22BA	X	Driving Sprocket $\frac{3}{8}$ " x $\frac{1}{4}$ " 18 teeth	15 0
23BA	I	Sprocket Spacing Collar	1 6
23BA	II	Sprocket Spacing Collar (Balloon Tyre)	1 6
24BA	I	Third Gear (Mainshaft) L.S. & H.S. 30 teeth	15 0
24BA	II	Third Gear (Mainshaft) T. T. 29 teeth	15 0
25BA	I	Third Gear (Layshaft) L.S. & H.S. 24 teeth	12 0
25BA	II	Third Gear (Layshaft) T. T. 25 teeth	12 0
26BA	II	Second Gear Layshaft 28 teeth	15 0
27BA	I	First Gear Layshaft, L.S. & H.S. 34 teeth	15 0
27BA	II	First Gear Layshaft, T. T. 31 teeth	15 0
28BA	I	Small Gear Layshaft, H.S. 21 teeth	12 0
28BA	II	Small Gear Layshaft, L. S. 19 teeth	12 0
28BA	III	Small Gear Layshaft, T. T. 23 teeth	12 0
29BA	....	Layshaft Clutch	10 0
30BA	I	Layshaft Spindle	22 0
30BA	III	Layshaft Spindle Speedo 1610 H.S.	25 0
30BA	IV	Layshaft Spindle Speedo 2240 H.S.	25 0
30BA	V	Layshaft Spindle Speedo 1610 (Stevens & Zenith)	25 0
191X	I	Layshaft Bush	5 0
33BA	I	Speedometer Spindle 1610 H.S.	7 6
33BA	II	Speedometer Spindle 2240 H.S.	7 6
33BA	....	Speedometer Spindle 1610 (Stevens & Zenith)	7 6
34BA	....	Speedometer Spindle Bush	2 0
112X	....	Speedometer Thrust Button	6
155X	....	Speedometer Thrust Plug	1 0
156X	....	Speedometer Cotter Pin	1
86X	....	Layshaft Bearing Glue	2
88X	....	Layshaft Cover Washer	3
37BA	....	Mainshaft Bearing	12 6
37/1BA	....	Mainshaft Bearing Washer	6
37/2BA	....	Bearing Retaining Ring	4
38BA	....	Ratchet Pinion	8 0
39BA	....	Ratchet Pinion Bush	2 4
40BA	....	Ratchet Pinion Spring	9
70X	....	Ratchet Nut	4
41BA	....	Driving Ratchet	5 9
42BA	....	Operating Fork, Mainshaft	8 0
43BA	....	Operating Fork, Layshaft	8 0

Part No.	Mark	NAME OF PART	Price
157X	....	Operating Peg	1
158X	....	Operating Peg Cotter	1
45BA	II	Camshaft	25 0
159X	....	Camshaft Bush, G.B.	2 0
160X	II	Camshaft Bush, K.S.C.	2 0
192X	....	Camshaft Rollers (Set 12)	2 0
193X	II	Pawl Spring	9
161X	....	Gear Box Sector (	7 6
162X	....	Sector Quadrant)	
165X	....	Sector Quadrant Rivets	1
163X	II	Pawl	2 0
164X	....	Pawl Bearing	1 3
95X	....	Pawl Bearing Nut	4
96X	....	Pawl Bearing Washer	1
193X	....	Pawl Spring	9
98X	....	Pawl Spring Plug	1 0
167X	II	Outer Lever (Ariel)	4 0
167X	III	Outer Lever	4 0
168X	I	Control Spindle	7 6
168X	II	Control Spindle	7 6
169X	....	Control Bush	2 0
171X	....	Control Spindle Nuts	2
170X	....	Control Spindle Washers	1
194X	II	Kickstarter Lever	7 6
115X	....	Kickstarter Lever Pedal	3 0
195X	....	Kickstarter Cotter Pin	3
196X	....	Kickstarter Cotter Pin Nut	2
197X	....	Kickstarter Cotter Pin Washer	1
198X	I	Kickstarter Spindle	7 6
198X	II	Kickstarter Spindle (Stevens)	7 6
199X	....	Kickstarter Quadrant	10 6
200X	....	Kickstarter Spindle Bush (Outer)	2 0
201X	....	Kickstarter Spindle Bush (Inner)	2 0
130X	....	Kickstarter Spring	2 0
134X	II	Stop Peg Rubber	3
141X	....	Frame Studs	1 0
144X	....	Frame Stud Nuts	9
145X	....	Frame Stud Washer	3
288X	....	Adjuster Bolt Pivot Pin (Ariel)	6
56BA	....	Gear Box Plug	1 6
188X	....	Inspection Cover	1 0
138X	....	Inspection Cover Studs	6
63X	....	Inspection Cover Stud Nuts	2
57BA	....	Control Rod (Ariel)	2 0
105BA	....	Mainshaft Sliding Gear 20 teeth (3 speed and reverse)	35 0
106BA	....	Second Gear Mainshaft 27 teeth	15 0
107BA	....	Second Gear Layshaft 27 teeth	15 0
108BA	....	Layshaft Reverse Gear 30 teeth	15 0
109BA	....	Reverse Intermediate Gear 31 teeth	12 0
208X	....	Intermediate Bush	2 6
111BA	....	Intermediate Spindle	5 0
207X	....	Intermediate Spindle Set Pin	6
45BA	III	Camshaft	25 0
209X	....	Speedo. Protection Tube	3
212X	....	Mainshaft Spring Washer	2
213X	....	Speedo. Cap	3
1X	VII	Clutch Case, 3 Plate	12 0
1X	VIII	Clutch Case, 4 Plate	12 0
2X	XII	Clutch Centre, 3 Plate	20 0
2X	XIII	Clutch Centre, 4 Plate	20 0
3X	I	Cork Plates	4 6
3X	II	Plate Fitted Fabric	5 0
4X	I	Clutch Corks (per Plate)	1 0
4X	II	Clutch Inserts (Fabric) (per Plate)	1 6
6X	....	Plain Plate	2 0
7X	XIV	Chainwheel, 1/2" x .305" (40 teeth)	20 0
7X	XIX	Chainwheel, 3/8" x 3/8" (33 teeth)	20 0
7X	XVII	Chainwheel, 3/8" x 1/2" (33 teeth)	20 0
7X	XX	Chainwheel, 3/8" x .305" (Ariel) (44 teeth)	20 0
8X	IV	Buffer Cover Plate	9
9X	....	Chainwheel Bolt	3
10X	....	Chainwheel Bolt Nut	3
12X	II	Buffer Rubber	2
18X	V	Spring Plate	9 0
19X	V	Spring Plate Adjusting Screw	6
20X	IV	Spring Plate Adjusting Nut	6
21X	II	Clutch Spring, Light	4
21X	IV	Clutch Spring, Heavy (for Fabric)	6
22X	I	Spring Cups	6
23X	I	Spring Adjusting Nuts	4
24X	X	Spring Studs, 3 Plate	4
24X	XI	Spring Studs, 4 Plate	4
34X	II	Roller Race	2 0
35X	....	Rollers (per set 24)	3 5
36X	II	Roller Race Washer	9
28X	....	Clutch Operating Rod (state length when ordering)	1 0
190X	....	Oil Guard Ring	2 6

BURMAN GEARS

SPARES AND REPAIRS SERVICE.

To ensure a quick and efficient spares service, it is essential that there should be no ambiguity or error when ordering spares. May we, therefore, ask your assistance by always giving as much information as possible, particularly in regard to the letters and numbers which will be found stamped on the aluminium casing just where the end cover joins the gear box shell on the kick-starter side. These letters and numbers are absolutely necessary to enable us to execute orders correctly.

Next it is important to give the correct part number according to the list on the following pages, and, whenever possible, it is advisable to return old parts as patterns, particularly when calling for gears. The fact that the sender's name and address should be put in the parcel containing the parts, and also on the letter containing the order or instructions to repair, seems obvious, but we get a number of cases where these important items have been omitted. In cases where we have no ledger account, it saves delay of a pro-forma invoice if a remittance sufficient to cover the cost of the parts and carriage is included, or goods can be sent C.O.D. on request.

All claims for free replacement must be accompanied by the alleged defective part, and our judgment must be accepted as final. After the expiration of 7 days from the despatch of notification of the company's decision the part or parts submitted may be scrapped.

It is our endeavour to despatch all orders for spares the same day as received, whilst repairs are completed with the least possible delay. Estimates for repairs are gladly submitted where required. We reserve the right to dispose of all repairs not claimed within three months from the date of estimate or completion.

Whenever we make alterations and improvements to our gear boxes, the new part is made interchangeable with the old part, and the latter allowed to become obsolete, thereby giving customers the benefit of the improvements.

To assist those riders who are not fully conversant with our gear boxes, we have compiled a booklet of instructions, which will be sent on request to anyone who has need of it, post free 4d.

If there is any point not covered in the foregoing remarks, please remember we are willing to answer any questions, and our experience is always at your service.

LUBRICATION.

All Boxes are sent out filled with Grease, and should be replenished every 1,000 miles with approximately 2 or 3 ozs. of either **Wakefield's Castrolease Medium, Gargoyle Mobilgrease No. 2, or Shell Motor Grease Soft.** The Box should not be completely filled or grease will be forced out through the bearings. *We do not recommend the use of oil or heavy grease.*

BURMAN SPARES STOCKISTS.

LONDON.

Kays, 8-10, Bond Street, Ealing Broadway, W.5.
R. G. Houchin Ltd., 188, High Street, Peckham, S.E.15.
Service on Spares, 7, Seymour Place, Marble Arch, W.1.
James Grose Ltd., 379-381, Euston Road, N.W.1.
Malvern Garage, Thornton Heath, Surrey.
F. H. Brackpool (Stanstead Motors), 228, Stanstead Rd.,
Forest Hill, S.E.23.
E. Atkinson, 415, Barking Road, East Ham, E.6.

BELFAST.

J. Lamb, 111, Donegall Street.

BOURNEMOUTH.

Service House Co., 27, Palmerston Road, Boscombe.

BRISTOL.

A. P. Palmer, 460, Stapleton Road, Eastville.

BRIGHOUSE.

Belle View Garages, Bradford Road.

COVENTRY.

A. Holland, Hearsall Lane Corner.

CAMBRIDGE.

King & Harper Ltd., 7, Bridge Street.

DUBLIN.

Briggs & McCrae Bros., 191, Pearse Street.

DONCASTER.

T. Stott & Sons, Y.M.C.A. Buildings.

LEEDS.

Marsden & Sons, 18, St. Michaels Lane, Headingley.

LEAMINGTON SPA.

Forfield Motors Ltd., 11/13, Forfield Place.

LIVERPOOL.

Bob Sergent Ltd., Moorfields.

MANCHESTER.

Kemps Vulcanizing Co. Ltd., 50/52, Hardman Street.
Deansgate.

NORWICH.

Willmott Bros., Prince of Wales Road.

NEWCASTLE-UPON-TYNE.

The Dene Motor Co., Haymarket.

SHEFFIELD.

Williams & Sons, 47, Commonsides.

STOCKPORT.

Stockport Service Co., 17, Lord Street.

STOCKTON-ON-TEES.

Stan. Jones, Bridge Road.
