

Book No. 1946/3/1

SPARE PARTS LIST

for

Excelsior

98 cc. Two Stroke Solo
Motor Cycle

“WELBIKE” MODEL
(MK II.)

*This list is applicable to machines bearing
the following Nos.:*

Frame Nos. 2614 to 3954

W.D. Nos. C5153414 to C5154754

SPARE PARTS LIST

for

EXCELSIOR "WELBIKE" (MK II.)

This S1946 parts list has few changes when compared to S1649 list:

Part number J57A Bush, clutch bridge, no longer appears in this list.

Frame, tubes and lugs assembly has new part number 125A

The front wheel section has added the following parts:

Part number 167 Cover, dust, front hub	qty. 1
Part number 168 Washer, felt, front hub	qty. 1
Part number 169 Locknut, front hub spindle	qty. 2

New section added: MUDFLAP GROUP

161 Mudflap, front	qty. 1
165 Screw, front mudflap to petrol tank	qty. 2

New section added: REAR MUDGUARD GROUP

162A Mudguard assy, rear	qty. 1
165 Screw, rear mudguard stay to fork end	qty. 2
166 Nut, rear mudguard stay screw	qty. 2
81A Washer, rear mudguard screw	qty. 2
165 Screw, rear mudguard to bracket	qty. 2
166 Nut, rear mudguard to bracket screw	qty. 2
81A Washer, shakeproof, rear mudguard screw	qty. 2

Tank, fuel, and fixed fittings assy, R.H. has new part number E42A

Tank, fuel, and fixed fittings assy, L.H. has new part number E42B

New part added: 159 Washer, fuel tank cap qty. 1

Bolt, fuel tank fixing has new part number 43A qty. 4

Part number 1071 Banjo, fuel feed pipe is discontinued in this list

PART NO.	DESIGNATION	No. OFF
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ENGINE GROUP.

155	Engine Assy (with carb.)	1
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CYLINDER BARREL.

JDL1 ASS	Barrel and Piston Assy	1
D5776	Washer, cylinder barrel base	1
JDL109	Manifold, inlet	1
E3949	Washer, exhaust and inlet manifold, combined	1
JDL113	Manifold, exhaust	1
E3948	Washer, exhaust manifold to cylinder	1
JDL114	Washer, exhaust manifold to silencer	1
JDL100	Stud, cylinder to inlet manifold, long	2
68V	Stud, cylinder to exhaust manifold, short	2
98/205	Nut, inlet and exhaust manifold stud	4
98/207	Washer, inlet and exhaust manifold stud	4

CYLINDER HEAD.

JDL2	Head, cylinder	1
125/3	Bolt, head to cylinder	4
125/4	Washer, cylinder head bolt	4
75	Steady, cylinder head	1
75A	Nut, cylinder head steady to frame	2
75B	Washer, cylinder head steady	1

PART No.	DESIGNATION	No. OFF
PISTON.		
JDL36ASS	Piston, pin, rings and circlips assy. standard	1
125/7	Ring, piston, standard	2
125/8	Pin, piston	1
125/9	Circlip, piston pin	2

CRANKSHAFT.

J28	Crankshaft	1
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CONNECTING ROD.

NIV/4	Rod, connecting	1
JDL108	Bush, connecting rod, small end....	1
J29	Crankpin, with rivet and washer....	1
209	Roller, crankpin, bronze and steel, sets of 8	1 set

CRANKCASE AND CLUTCH COVER.

J13	Crankcase half and clutch case, less bearings	1
J13A	Crankcase half, outer	1
E4999	Gasket, crankcase to outer half	1
J14	Cover, clutch, with bush	1
D5002	Gasket, clutch cover to crankcase half	1
J35	Bush, crankcase gland	1
J31	Spring, crankcase gland bush	1
162	Plug, crankcase drain	1
163	Washer, crankcase drain plug	1
125/47	Plug, oil filler, clutch cover	1
V107X3	Washer, oil filler plug	1
J17	Plate, crankcase bearing retaining	1
J22	Plate, clutch case bearing retaining	1
J24	Gasket, clutch case bearing retaining plate	1

PART No.	DESIGNATION	No. OFF
CRANKCASE AND CLUTCH COVER BEARINGS.		
J21	Bearing, ball journal, crankshaft, in c/case	1
V52	Bearing, ball journal, crankshaft, in clutch cover	1
J14A	Bush, crankshaft, in clutch cover	1
V52	Bearing, ball journal, clutch shaft, in clutch case	1
J50	Bearing, ball journal, clutch shaft, in clutch cover	1

CRANKCASE AND CLUTCH COVER STUDS AND BOLTS.

125/27	Stud, cylinder base	4
125/28	Nut, cylinder base stud	4
174	Washer, cylinder base stud	4
J19	Stud, crankcase to outer half, long	2
J20	Stud, crankcase to outer half, short	4
98/205	Nut, crankcase stud	12
98/207	Washer, crankcase stud	12
J15	Stud, clutch case, short	2
J16	Stud, clutch case, long	1
98/205	Nut, clutch case stud	6
98/207	Washer, clutch case stud	6
JDL110	Bolt, clutch cover to frame	2
J23	Screw, bearing plate to crankcase	3
J23	Screw, bearing plate to clutch case	4

ENGINE SPROCKET.

J30	Sprocket, engine	1
J33	Key, engine sprocket	1
J32	Nut, engine sprocket	1
J12	Washer, engine sprocket nut locking	1

EXHAUST SYSTEM GROUP.

83	Pipe, exhaust	1
85	Pin, exhaust pipe to frame tube	1
86	Nut, exhaust pipe bolt	1
87	Washer, exhaust pipe bolt	1
82	Silencer	1

PART No. DESIGNATION No. OFF

FINAL DRIVE SPROCKET GROUP.

J52	Sprocket, final drive	....	....	....	....	1
J54	Key, final drive sprocket	....	....	....	....	1
J53	Nut, final drive sprocket	....	....	....	....	1

CLUTCH GROUP.

J46	Sprocket, clutch, w/cork inserts and ballrace	....	....	....	....	1
146	Inserts, clutch sprocket, cork, large	....	....	....	....	10
147	Inserts, clutch sprocket, cork, small	....	....	....	....	5
JDL48	Ballrace, clutch sprocket	....	....	....	....	1
J49	Plate, ballrace retaining	....	....	....	....	2
E5001	Rivet, ballrace retaining plate	....	....	....	....	5
NIV/5	Ball, clutch ballrace, $\frac{1}{4}$ in. dia.	....	....	....	....	33
J47	Plate, clutch, w/cork inserts	....	....	....	....	1
149V	Insert, clutch plate, cork	....	....	....	....	15
JDL43	Plate, clutch, outer, steel	....	....	....	....	1
J44	Plate, clutch, centre, steel	....	....	....	....	1
JDL123	Plate, clutch, inner, steel	....	....	....	....	1
J51	Spring, clutch	....	....	....	....	1
JDL121	Bush, clutch spring locating, short	....	....	....	....	1
JDL122	Bush, clutch spring locating, long	....	....	....	....	1
J39	Shaft, clutch	....	....	....	....	1
J40	Cotter, clutch, shaft sliding	....	....	....	....	1

CLUTCH CONTROL.

J59	Lever, clutch operating	....	....	....	....	1
J58	Pin, clutch operating lever	....	....	....	....	1
—	Cotter, clutch operating lever pin $\frac{1}{16}$ in. \times $\frac{7}{16}$ in.	....	....	....	....	1
J57	Bridge, clutch, with bush	....	....	....	....	1
J61	Screw, clutch bridge fixing	....	....	....	....	3
J60	Screw, clutch rod adjusting	....	....	....	....	1
98/205	Nut, clutch rod adjusting screw locking	....	....	....	....	1
J41	Rod, clutch, inner, long	....	....	....	....	1
J42	Rod, clutch, centre, short	....	....	....	....	1
J42A	Rod, clutch, outer	....	....	....	....	1
NIV/6	Ball, clutch rod, $\frac{3}{16}$ in. dia.	....	....	....	....	1

PART No. DESIGNATION No. OFF

FRAME GROUP.

125A	Frame, tubes and lugs assy	....	....	....	....	1
11	Ballrace, frame head	....	....	....	....	2
NIV/5	Ball, steering ballraces, $\frac{1}{4}$ in. dia.	....	....	....	....	60
68	Lug, saddle pillar	....	....	....	....	1
69/70	Pin, saddle pillar lug, and tommy bar assy	....	....	....	....	1
94	Bolt, engine to frame	....	....	....	....	2
94A	Nut, engine to frame bolt	....	....	....	....	2

FRONT FORK GROUP.

126	Girder, front fork	....	....	....	....	1
12	Ballrace, front fork crown	....	....	....	....	1
5	Column, steering	....	....	....	....	1
12	Ballrace, steering column	....	....	....	....	1
10	Key, steering column	....	....	....	....	1
7	Ring, steering column locking	....	....	....	....	1
8	Screw, steering column ring securing	....	....	....	....	1
9	Pin, steering column to column tube	....	....	....	....	1
127	Tube assy, steering column, lugs, collars and sleeve	....	....	....	....	1
17	Pin, steering column sleeve to steady	....	....	....	....	1
128	Steady, steering column, assy	....	....	....	....	1
35	Body, steering steady trunnion	....	....	....	....	1
40	Bolt, steering steady trunnion securing	....	....	....	....	2
36/39	Plunger assy, steering steady trunnion	....	....	....	....	1
38	Spring, steering steady trunnion plunger	....	....	....	....	1
37	Plug, steering steady trunnion	....	....	....	....	1

FRONT WHEEL GROUP.

129	Wheel, front, assembled	....	....	....	....	1
107	Spoke, front wheel, with nipple	....	....	....	....	20
102	Cup, front hub	....	....	....	....	2
103	Cone, front hub, fixed	....	....	....	....	1
104	Cone, front hub, adjusting	....	....	....	....	1
NIV/7	Ball, front hub, $\frac{1}{4}$ in. dia.	....	....	....	....	18
167	Cover, dust, front hub	....	....	....	....	2
168	Washer, felt, front hub	....	....	....	....	2
100	Spindle, front hub	....	....	....	....	1
101	Nut, front hub spindle	2
169	Locknut, front hub spindle	2

PART No.	DESIGNATION	No. OFF
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REAR WHEEL GROUP.

131	Wheel, rear, assembled	1
113	Spoke, rear wheel, long, w/nipple	10
114	Spoke, rear wheel, short, w/nipple	10
102	Cup, rear hub	2
103	Cone, rear hub, fixed	1
104	Cone, rear hub, adjusting	1
NIV/7	Ball, rear hub, $\frac{1}{4}$ in. dia.	18
123	Cover, rear hub, dust	2
111	Spindle, rear hub	1
101	Nut, rear hub spindle	4
116	Washer, rear hub spindle, .056in. thick	4
117	Washer, rear hub spindle, 1/32in. thick	1
118	Spacer, rear hub spindle	1
121	Sprocket, rear hub, 25 teeth	1
122	Ring, rear hub sprocket locking	1
119	Adjuster, rear chain	2
149	Nut, rear chain adjuster	2
150	Draw plate, rear chain adjuster	2

REAR WHEEL BRAKE.

139	Shoe, rear brake, with linings	2
134	Lining, rear brake shoe	2
135	Rivet, rear brake shoe lining	16
NIV/8	Spring, rear brake shoe retracting	2
133	Plate, rear brake, with anchor arm	1
140	Cam, rear brake	1
141	Pivot, rear brake cam	1
136	Clip, rear brake anchor arm securing	1
137	Screw, rear brake anchor arm clip	1
138	Nut, rear brake anchor arm clip screw	1

MUDFLAP GROUP.

161	Mudflap, front	1
165	Screw, front mudflap to petrol tank	2

PART No.	DESIGNATION	No. OFF
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REAR MUDGUARD GROUP.

162E	Mudguard assy, rear	1
165	Screw, rear mudguard stay to fork end	2
166	Nut, rear mudguard stay screw	2
81A	Washer, shakeproof rear mudguard screw	2
165	Screw, rear mudguard to bracket	2
166	Nut, rear mudguard to bracket screw	2
81A	Washer, shakeproof, rear mudguard screw	2

REAR BRAKE CONTROL GROUP.

53	Pedal, rear brake	1
56	Bolt, rear brake pedal securing	1
58	Washer, rear brake pedal bolt	1
54	Rod, rear brake	1
57	Washer, rear brake rod	1
—	Cotter, rear brake rod, $\frac{1}{16}$ in. \times $\frac{3}{4}$ in.	1
61	Adjuster, rear brake rod	1
62	Rivet, rear brake rod adjuster	1
60	Clevis, rear brake rod, and screw assy	1
60A	Screw, rear brake rod clevis	1

FOOTREST GROUP.

145A	Footrest	2
80	Bolt, footrest securing	2
81	Nut, footrest securing bolt	2
81A	Washer, footrest securing bolt locking	2

FUEL TANK GROUP.

E42A	Tank, fuel, and fixed fittings assy, R.H.	1
E42B	Tank, fuel, and fixed fittings assy, L.H.	1
157	Cap, L.H. fuel tank	1
159	Washer, fuel tank cap	1

PART No.	DESIGNATION	No. Off
43A	Bolt, fuel tank fixing	4
44	Nut, fuel tank fixing bolt	4
45	Washer, fuel tank fixing bolt	4
47A	Cap, air pressure release valve	1
47C	Washer, air pressure release valve cap	1
47B	Regulator, air pressure release valve	1
47E	Spring, air pressure release valve	1
NIV/6	Ball, air pressure release valve, $\frac{3}{16}$ in. dia.	1
48	Pump, air, fuel tank	1
93	Screw, air release	1
49	Pipe, fuel feed, tank to carburetter	1
51	Pipe, fuel balance	2
1072	Screw, fuel balance pipe retaining	2
152	Washer, fuel balance pipe screw, small	2
153	Washer, fuel balance pipe screw, large	2
50	Tap, fuel	1

HANDLEBAR AND CONTROL GROUP.

HANDLEBAR

144A	Handlebar lug and bolt assy, R.H.	1
144B	Handlebar and lug assy, L.H.	1
23	Nut, handlebar locking, knurled	1
25	Washer, handlebar nut locking	1
26	Cotter, handlebar bolt, $\frac{1}{8}$ in. \times $\frac{3}{4}$ in.	1
142	Grip, handlebar, L.H., webbing	1

CLUTCH CONTROL.

28	Lever, clutch	1
30	Pin, clutch lever fulcrum	1
31	Nut, clutch lever fulcrum pin	1

THROTTLE CONTROL.

27	Rotor, twist grip	1
27C	Sleeve, twist grip retaining	1
27D	Screw, twist grip sleeve retaining	1
27A	Stop, twist grip cable	1
27E	Washer, twist grip, cable stop	1

PART No.	DESIGNATION	No. Off
CONTROL CABLE GROUP.		
CLUTCH CABLE.		
32	Cable, clutch, assy	1
18/063	Nipple, clutch cable	2
NIV/12	Stop, clutch cable	1
THROTTLE CABLE.		
1026	Cable, throttle, assy	1
NIV/16	Cap, throttle cable, carb. end	1
7V	Adjuster, throttle cable, assy	1
NIV/17	Nut, throttle cable adjuster locking	1
SADDLE GROUP.		
88/89	Saddle assy	1
NIV/11	Cover, saddle	1
NIV/18	Spring, saddle top	8
96	Cable, saddle stop	1
97	Screw, saddle stop cable	1
98	Nut, saddle stop cable screw	1
99	Washer, saddle stop cable screw	1
SUNDRIES GROUP.		
J55	Chain, primary drive, .375 in. \times .125 in. \times .250 in. \times 54 links	1
NIV/19	Link, primary chain connecting	1
NIV/20	Clip, primary chain connecting link retaining	1
124	Chain, final drive, $\frac{1}{2}$ in. \times $\frac{3}{8}$ in. \times .805 in. \times 76 links	1
NIV/21	Link, final drive chain connecting	1
NIV/22	Clip, final drive chain connecting link retaining	1
MT14/3702	Tyre, front or rear wheel, 12 $\frac{1}{2}$ in. \times 2 $\frac{1}{2}$ in.	2
MT14/3703	Tube, front or rear wheel, 12 $\frac{1}{2}$ in. \times 2 in.	2
CARBURETTER GROUP.		
V576E	Carburetter and cable assy	1
C1	Body, carburetter	1
1014	Ring, carburetter body	1
1012	Disc, carburetter body	1

PART No.	DESIGNATION	No. Off
1007	Valve, carb. throttle	1
1008	Spring, carb. throttle valve	1
1010	Needle, carb. throttle valve (No. 2)	1
1009	Adjuster, carb. throttle valve needle	1
1011	Spring, carb. throttle valve needle	1
1075	Jet and centre piece assy, carb. (Jet No. 7)	1
20V	Washer, carb. jet and centre piece	1
C3	Screw, carb. jet and centre piece locating	1
M22	Nut, carb. float cup to centre piece	1
23V	Washer, carb. float cup to centre piece	1
12V	Float, Carburetter	1
14V	Cup, Carburetter	1
13V	Washer, carburetter cup	1
16V	Needle, carb. fuel feed	1
M29	Toggle, carb. fuel feed, and pin assy	1
1016	Clip, carburetter outlet	1
42V	Screw, carburetter outlet clip	1
1017	Plate, carburetter strangler	1
M14	Screw, carburetter strangler plate	1
M15	Washer, carburetter strangler plate	1
125/122	Cap, carburetter air intake	1
125/123	Gauze, carburetter air intake	1
1072	Screw, fuel feed pipe banjo	1
1074	Gauze, fuel feed pipe banjo	1
152	Washer, fuel feed pipe, small	1
153	Washer, fuel feed pipe, large	1
C6	Tickler, carburetter float	1
C7	Spring, carburetter float tickler	1
C8	Cotter, carburetter float tickler	1

FLYWHEEL MAGNETO GROUP.

FLYWHEEL.

125/110	Cover, flywheel	1
JDL208	Screw, flywheel cover securing	2

PART No.	DESIGNATION	No. Off
POLE SHOES AND MAGNETS.		
JDL202	Shoe, magnet pole	1
JDL204	Screw, magnet pole securing	2
JDL203	Magnet, flywheel magneto	1 pr.

ARMATURE PLATE.

JDL205	Plate, armature	1
JDL207	Screw, armature plate securing	4

IGNITION COIL AND CONDENSER.

125/109	Coil, ignition	1
1124X9	Screw, ignition coil securing	4
125/112	Condenser, flywheel magneto	1
125/111	Box, condenser	1
476	Stud, condenser box	2
466	Nut, condenser box stud	2
465	Washer, condenser box stud	2
JDL209	Clip, condenser box, and pillar assy	1
475	Lid, condenser box	1

CONTACT BREAKER.

487	Point, contact breaker, and locknut assy	1
1474	Arm, contact breaker, with point and pad	1
486	Spring, contact breaker arm	1
478	Clamp, contact breaker point	1
479	Screw, contact breaker point clamp securing	2
479A	Washer, contact breaker point clamp screw	2
480	Bush, contact breaker clamp, top	2
481	Bush, contact breaker clamp, bottom	2

SPARKING PLUG GROUP.

NIV/2	Plug, sparking, 18/mm	1
NIV/3	Washer, sparking plug	1

PART NO.	DESIGNATION	No. OFF
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125/113	Lead, high tension, assy	1
810	Terminal, high tension lead	1
489	Washer, high tension lead terminal	1
491	Screw, high tension lead terminal	1
490	Spring, high tension lead	1
490A	Pad, high tension lead	1

TOOL GROUP.

95	Spanner, combination	1
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WORKSHOP TOOL GROUP.

NIV/90	Jig, clutch assy	—
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