

Rootes Archive Centre Trust

## Rootes Engineering Standards

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### Abstract

This an index of the Rootes Group Engineering Standards books covering the periods from 1943-1959 and 1959-1968. The later series consist of a set of annotated drawings in ring binders covering all common items bought in.

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## 1 Introduction

This is an index of the Rootes Group Engineering Standards books in the Archive covering the period from 1943-1959 and 1959-1968. The later series consists of a set of annotated drawings in ring binders covering all common items bought in. Many of the drawings have the names of the suppliers and original references. The books have survived from the late 1960s at which time the earlier series had been super-ceded. The earlier lists are therefore fragmentary. Some of the later drawings carry the Chrysler name.

Matt spent 30/11/2015 re-arranging the digitisation area of the Archive Centre to make room for two recent donations: an A2 printer and an A3 scanner. The printer has already been put to use producing some of the posters for our building fund, and now the A3 scanner is earning its keep digitising the engineering standards manuals. The engineering standards contain the details of all the small parts on the vehicles like nuts, bolts, trim clips, washers, grommets, dzus fasteners. If you check your parts list it's the parts with numbers from (7)9000000.

The first manual to be digitised starts at 9116110 and ends at 9169329 that's a potential 53,000 parts. I checked the series Alpine parts list and this covers about 250 Alpine and probably Tiger parts.

There were several purposes for these books. Firstly designers could see what was available from external suppliers, thereby avoiding items having to be specially made and so keeping the cost down. Secondly, the drawings were annotated with the materials strength, finish and tests to be carried out so that, when tendering for order suppliers, could comply with the Group wide requirements.

## 2 Book 0

This book references the old Standards Lists before the "million" number series was introduced c.1959.

The mysterious prefixes for the older part nos. are partially explained as follows. In Book 5 they are translated into the later number series.

B – bolts	CB – coach bolts
D –	DS – drive screws
GCI – grey cast iron	H series
JP –	K series
M – SEMS units	N – nuts
P – pins and plugs	P series
R – rivets	S – stud
SC or SCR – screws	SPN – spanners
SQ –	T –
TS – screws	W – washers
WS – wood screws	

P, H, K series continued to be used for numbers higher than 1000 and may now be included in the Microfiche collection.

Some highlights of this book include:

**proprietary parts:** Ermeto, Cov. Rad., Lockheed, AC, Tecalemit, Solex, Zenith, Sackville, Dunlop, Linread, Chobert, Sinodes, GKN, Cam Gears, Lucas, Smiths, Tucker, Simmonds, Wilmot Breeden, Girling, Claton Dewandre, Champion, Unbrako, Cornercroft, Burman, Angus, Bastitch

List No.	No. sheets	Title	Date
		Test procedure No.1, procedure for testing nuts contd on second sheet	22/3/62
1	4	hex head bolts and screws	16/3/50
2	8	nuts, plain slotted castle lock washer face, double chamfer	13/9/48
4	7	slotted head screws, CS raised CS chesse head binder head	17/8/50
5	4	wood screws all re-drawn	21/4/48 Dec'53
7	2 (No.1 missing)	pins, Grovelock spring dowel taper grooved	10/9/47
7A	2	grooved pins and studs re-drawn plus clwvis (jaw) pins	18/9/47
7B	4	plain pins and dowels	19/2/48
8A	2 (No.2 re-drawn)	plugs	22/1/48
9	2	rivets re-drawn	25/2/47 14/8/52
9+9A	2	rivets, appendix and conversion of old part nos to new	1/9/52
9A	2	semi-tubular and bifurcated rivets, re-drawn (where?)	15/4/48
10		screws nails and drive screws	6/8/48
11	2	coach bumper and wing bolts	9/8/48, 3/9/46
12	2	spanners open ended forged and pressed	30/9/43
12	2	spanners carbon steel open end	14/1/52
12A		tubular box spanners, see 9122()	5/6/56
14	3	thread cutting screws	22/7/48
23	2	nails pins staples etc.	8/4/48
40	42 some on multiple sheets	finish specifications	20/5/54 etc.
40	2	appendix II superceding appendix I	Aug'63
40		appendix III tests	20/5/54
40		appendix IV approved materials	20/5/54
48	2	grey cast iron	Mar'67
48A		malleable cast iron	Aug'62
48B		casting spec, machining etc.	Oct'64
48C		alloy cast iron	Dec'60
48D		spheroidal and modular graphite iron	Mar'62
50	2	felt specification	
96		road wheel nuts	

100	16 some re-drawn	misc. proprietary parts	10/8/49
109		drain taps	21/6/54
110	4	surface finish	5/8/49
114		screw drivers	
126	2	stiff nuts	16/2/54
127	3	thread cutting screws	31/7/53
131		clinch nuts Barton type UNF	21/6/54
9559(1)		weld nuts re-issued	Nov'61
152	7 some missing	radiator materials specifications	Dec'56
153	2	anodised aluminium alloy	Jan'61
154	4	preferred steels for general use	Mar'62

The following are noted as not officially cancelled but filed separately.

List No.	No. sheets	Title	Date
61	see separate book	drawing practice	
113	various	rubber specifications and testing	Aug'56
113	4	ditto Appendix	Aug'56
152	5-6 from above	radiator makers sheets	9/5/66
155	16	synthetic plastic materials	24/3/63
155A	17	load bearing flexible urethane foam	Dec'65

### 3 Finish Specifications – List 40A

This is List 40A, re-issued in 27/9/1965. Initially the pages were not numbered, but have had pencil numbers added to them which are the ones used below.

Its introduction notes that ... this manual is made up of standards lists covering two categories of items:

1. conventional standard parts of the type dealt with by National Standards, and
2. parts in common use... They are included in the standards manual as a guide.

The Group Part Numbers of all standard parts are within the 9 million series... with the exception of certain parts for which the second number will always be 9, e.g. 29— Each of the standards lists carries an identifying number comprising the first four digits of the Group Part Number... to the List Number is added in brackets the Sheet Number, thus 9068(1).

#### Check List

With List No., issue no., date and latest amendment. 9151(1) – 9169(1), May'60 – June'66.

#### Finish Specification Revision

A letter written by L.L. Dyer on 1/5/1967.

## Introduction

1. Finish symbols, Apr'1967
2. Choice of finish
3. Significant finish
4. Normal viewing
5. Cleanliness before treatment
6. Protection of parts during transit
7. Approval methods of process
8. Reference samples
9. Final appearance
10. Testing procedure
11. Distribution of finish specs

## Groups

**Group A1:** Decoration and/ or protective electro-deposited coatings

**Group A2:** Decoration and/ or protective electro-deposited coatings and electro-chemical processes

**Group A3:** Decoration and/ or protective electro-chemical processes

**Group A4:** Misc. metal coatings thermal processes

**Group B1:** Intermediate coatings organic

**Group B2:** Intermediate coatings organic

**Group B3:** Final coatings organic

## Materials used

Finish Symbol	Description	Base	Application
A1-1	nickel/ gold/ lacquer	zinc base	interior or exterior
A1-2	nickel/ gold/ lacquer	copper base	interior or exterior
A1-3	nickel/ chromium	steel or copper base. screws and fasteners	interior
A1-4	chromium	stainless steel and iron	exterior
A1-5	nickel/ chromium	copper	interior
A1-6	nickel/ chromium	copper	exterior
A1-7	nickel/ chromium	zinc	interior

A1-8			
A1-9	nickel/ chromium	zinc	exterior
A1-10	nickel/ chromium	steel	interior
A1-11	nickel/ chromium	steel	exterior
A1-12			
A1-13, 13A	cadmium	steel or copper	general
A1-14, 14A	zinc	steel or copper	general
A1-15	nickel/ chromium	plastics	interior
A1-16			
A1-17			
A1-18			
A1-19, 19A	satin nickel/ chromium	steel	interior
A1-20, 20A	satin nickel/ chromium	steel	exterior
A1-21, 21A	satin nickel/ chromium	zinc	interior
A1-22, 22A	satin nickel/ chromium	zinc	exterior
A1-23			
A1-24			
A1-25			
A1-26			
A2-1	passivated cadmium	steel or brass	exterior
A2-2	passivated zinc	steel	exterior
A2-3			
A2-4	copper	steel	general
A2-5	copper	steel	carburising stop off
A2-6, 6A	nickel, copper-nickel	steel or brass	interior
A2-7	tin	steel	interior
A2-8	tin	steel	anti-scuffing
A2-9	chromium	steel	sliding wear
A2-9A	chromium	steel	sliding wear
A2-10	chromium	steel	engineering reclamation
A2-11	anodising	aluminium	chassis unit protection
A2-12	bright anodising	aluminium	interior
A2-13	bright anodising	aluminium	exterior
A2-14	bright anodising (dyed)	aluminium	exterior
A2-15, 15A	anodising satin finish	aluminium	exterior
A2-16	chromating	magnesium	exterior
A3-1	metal colouring	-	interior
A3-2	bright dipping and frosting	aluminium, brass	interior
A3-3	tin on aluminium	aluminium	anti-scuffing
A3-4	phosphating	steel or cast iron	anti-scuffing
A3-5, 5A	phosphating	steel	exterior
A3-6, 6A	phosphating	steel	interior
A3-7	phosphating	ferrous or non-ferrous	interior
A3-8	phosphating, de-rusting and passivation	ferrous	general
A4-1	vacuum deposition of metal on pastic	plastics	interior

A4-2	vacuum deposition of metal on pastic	plastics	general
A4-3	galvanising	steel	exterior
A4-4, 4A	sheradizing	steel	exterior
A4-5	aluminising	steel	exterior
A4-6	calorising aluminium	steel	heat resistance
A4-7	chromising	steel	heat resistance
A4-8, 8A	metal spraying aluminium	steel or iron	general service and heat resistance
A4-9	metal spraying steel	steel or iron	engineering reclamation
A4-10	metal spraying copper	steel or iron	engineering reclamation
A4-11	metal spraying zinc	steel or iron	general
A4-12	metal spraying molybdenum	steel or iron	engineering reclamation
B1-1	medium weight phosphate	steel	exterior
B1-2	light weight phosphate	steel	exterior
B1-3	ultra-light weight phosphate	steel	interior
B1-4	phosphoric acid based rinse	steel or aluminium	interior
B1-5			
B1-6	chromate - phosphate - flouride treatment	aluminium	general
B1-7	etching lacquer	metal	general
B1-8	etching lacquer	plastic	interior
B1-9	wood preservative	wood	general
B1-10	mechanical polishing	ferrous	general
B1-10A	mechanical polishing	ferrous	general and safety critical
B1-10B	mechanical polishing	ferrous	interior
B1-11	mechanical polishing	non-ferrous	general
B1-11A	mechanical polishing	non-ferrous	general and safety critical
B2-1	air drying primer	steel	general
B2-2	stoving primer	steel	general
B2-3	air drying primer	wood	interior
B2-4			
B2-5	crank case sealer	steel, iron	general
B2-6	spot welding primer	steel	general
B2-7			
B2-8			
B2-9	zinc chromate primer	steel, aluminium	general
B2-10	air drying primer surfacer	steel	general
B2-11	stoving primer surfacer	steel	general
B2-12	air drying sealer		



B2-13	stoving sealer		
B2-14	high temperators stoving “rubber” primer		
B3-1	black paint air drying	steel	general
B3-2	black enamel stoving	steel	general
B3-3			
B3-4	black enamel stoving	steel	general
B3-5			
B3-6	black paint air drying bitumen based	steel	general
B3-7	black paint air drying acid resisting	steel	general
B3-8	paint air drying petrol and oil resisting	steel, iron	under bonnet
B3-9			
B3-10, 10A	aluminium paint, air drying, heat and non-heating resisting	steel,iron	general
B3-11			
B3-12			
B3-13	high gloss paint air drying	steel	general
B3-14	high gloss enamel low temp stoving	steel	general
B3-15	high gloss enamel high temp stoving	steel	general
B3-16			
B3-17			
B3-18	high tech laquer for wood finish	wood	general
B3-19	pigmented etching lacquer air drying or low temp stoving	steel	general
B3-20	matt finish	steel	general
B3-21	suede finish	steel	interior
B3-22	wrinkle finish	steel	interior

### Index and dates of specification sheets

Page No.	Finish No. List 40A	Finish No. List 40	Date	Sheets
8	A1-1	77	Mar'67	2
10	A1-2	-	Mar'67	2
12	A1-3	3A-3B	Mar'67	2
14	A1-4	60	Apr'67	2
16	A1-5	9	Apr'67	2
18	A1-6	6	Apr'67	2

20	A1-7	7	Apr'67	2
22	A1-9	8	Apr'67	2
24	A1-10	2	Apr'67	2
26	A1-11	4	Apr'67	2
28	A1-13, 13A	15/15A	Apr'67	2
30	A1-13, 14A	17	Apr'67	2
32	A1-15	54	Apr'67	2
34	A1-19, 19A	1	6/3/67	2
36	A1-20, 20A	-	Mar'67	2
38	A1-21, 21A	-	14/3/67	2
40	A1-22, 22A	-	Mar'67	2
43	A2-1	15/48	May'67	2
45	A2-2	17/48	May'67	2
47	A2-4	12B	Mar'68	1
48	A2-5	12A	May'67	1
49-50	A2-6/6A	13/19	May'67	2
51	A2-7	76T	May'67	1
52	A2-8	76R	May'67	1
53	A2-9/9A	-	Jun'67	2
55	A2-10	-	Jun'67	1
56	A2-11	50	Jun'67	2
58	A2-12	List 153 Grade 1A or 2A	Jun'67	2
60	A2-13	List 153 Grade 1A or 2A	Jun'67	1
61	A2-14	50B	Jun'67	2
63	A2-15/15A	50C	Jun'67	2
65	A2-16	48	Jun'67	2
67	A3-1	32	July'67	1
68	A3-2	56	July'67	1
69	A3-3	-	July'67	1
70	A3-4	61	July'67	1
71	A3-5/5A	28/28F	July'67	2
73	A3-6/6A	28	July'67	2
75	A3-7	18	July'67	2
77	A3-8	-	July'67	1
79	A4-1	-	July'67	2
81	A4-2	-	July'67	2
83	A4-3	-	July'67	1
84	A4-4/4A	16/16A	July'67	1
85	A4-5	-	Sep'67	1
87	A4-6	-	July'67	1
86	A4-7	-	July'67	1
88	A4-8/8A	11A	July'67	2
90	A4-9	11B	July'67	1
91	A4-10	11C	July'67	1
92	A4-11/11A	11D	Sep'67	2
94	A4-12	-	July'67	1
	Group B Intro + Notes (Paints)		May'68	

	ditto (copy)			
97	B1-1	18	Oct'67	2
99	B1-2	18	Oct'67	2
101	B1-3	-	Oct'67	2
103	B1-4	-	Oct'67	1
104	B1-6	-	Oct'67	1
105	B1-7	-	Oct'67	2
107	B1-8	-	Nov'67	2
109	B1-9	-	Nov'67	1
110	B1-10/10A	-	Feb'68	2
112-13	B1-11/11A	-	Feb'68	2
114	B2-1	-	Nov'67	4
118	B2-2	-	Dec'67	4
122	B2-3	-	Dec'67	3
125	B2-5	-	Dec'67	4
129	B2-6	-	Dec'67	3
132	B2-9/9A	-	Dec'67	4
136	B2-10	-	Dec'67	5
141	B2-11	-	Dec'67	4
145	B2-12	-	Jan'68	4
149	B2-13	-	Jan'68	4
153	B2-14	-	Jan'68	5
	B3-1	-	Feb'68	6
	B3-2	-	Feb'68	6
	B3-4	-	Feb'68	6
	B3-6	-	Feb'68	6
	B3-7	-	Feb'68	6
	B3-8	-	Feb'68	6
	B3-10/10A	-	Feb'68	6
	B3-13	-	Mar'68	6
	B3-14/14A	-	Mar'68	6
	B3-15	-	Apr'68	7
	B3-18	-	Mar'68	3
	B3-19	-	Mar'68	6
	B3-20	-	Apr'68	6
	B3-21/21A	-	Apr'68	6
	B3-22	-	Mar'68	5

#### 4 Drawing Practice – List 61

List 61 comprises the Drawing Practice standards. Three books have survived, these are issue/ amendment nos. 217, 219 and 219 (copy).

Page Nos.	Description	Date
1	internal memo on BSP threads from F.T.Hewitt	Aug'64
2	index sheet 1	Feb'64

3	index sheet 2	Feb'64
4	drawing practice introduction to BS.308	Feb'64
5-24	drawing practice (21 sheets in total)	Feb'64
25-59	appendix (on 34 sheets)	
	screw threads, shapes, dimensions and holes	
49-52	abbreviations used on drwgs	

## 5 Sections – List 88

This small ring bound folder contains drawings of standard sections and their reference numbers in the old series. These sections belong to List 88.

Some highlights of this book include:

**manufacturers:** Alf. Roberts, Carbodies, Herts. Rubber Co., Empire Rubber, Cox Rubber, Brit. Aluminium

Page No.	Part Nos.	Description	Date
25	H.98451 etc.	glazing strip non-blooming rubber	
26	H.18487, H.22314, H.11528		
27	H.88536, H.73176 → 9234035/ 9234186, H.25230		
28	H.88858, H.89145 → 9233433, H.89082		
28A	9233434	seal quarter light	
29	H.19722, H.82846, H.81727 → 9234187	weather strip, glass channel	
29A	H.82827, H.19729 → 9234090, H.88973	glass channel, w/screen weather strip	
30	H.78661 → 9234146, A.38374, H.24656 → 9234162	weather strip, draught excluder	
31	H.92507, H.80706, H.105863	draught excluder, glazing rubber	
32	H.64124, H.89634 → 9234148, A.36922	trade plate rubber and mat, weather strip	
33	H.6394 draught strip H.83705 → 9234158 ditto H.83198 → 9234157 ditto	H.7401 ditto A.38680 → 9234156 weather strip	
34	9234193 filler strip P.43303 weather strip P.85925 → 9234191 ditto	P.43309 → 9233329 ditto	
35	H.5235 1/4" glass channel H.4602 glass channel H.16322 w/screen section	H.68216 w/screen seal H.11049 w/screen draught channel H.16323 ditto	
36	H.28129 3/16" glass channel H.10608 ditto	H.17386 ditto H.18318 ditto	

	H.10682 1/4 glass channel	H.63055 ditto double	
36A	H.75746 glass channel		
37	H.63238, H.25177, H.63107 sealing and weather strips		
38	H.21395, H.21395 <i>rightarrow</i> 9234091, P.43036 w/shield weather strip		
39	H.644165, H.64595, H.64605, 69732, 69981, H.64726, H.64620, H.72811 cord and piping filler		
40	H.4145, H.9484 back light mldg rubber and 1/4 light fillet		
41	H.15480, 61178, 2000, 2215, H.733, H.3620 rubber mldg and weather strip		
41A	H.7129, 7143, 826, 83089, 6393 clamp, striking plate, trim pad retainer, 1/4 light frame		
42	H.686, H.20089, H.10991, H.2208, H.26589 mldg		
43	H.12567, 21488, 7105, 11450, 4156, 875 mldg and capping		
44	H.817, H.3623 weather strip		
45	H.2183, 3448, 4315, 5530 channel		
46	H.746, 26738, 66549, 425, 5531, 12657 weather channel		
47	H.10820, 15103, 2233, 4309, 4314, P.101322 slide channel draught strip bonnet seal		
48	H.24657, 5373, 10423, 89093, 98330 tread plates and back light surround		
49	H.6915, 5864, 15479 water channel		
50	H.22118, 64521, 19639, 9841, 64522, 64523 metal mldg and beading		
51	H.64524, 60953, 61365, 65544, 90022, H.88329 → 9233473/ 478 mldg strips		
51A	P.101319, 101314, 101320, 101321, 112701, 101322 mldgs		
52	H.779, 5851, 5850, 5984, 67680 beading		
53	H.5082, 5081, 835, 4921, 8910, 4724 edging and tread strip		
54	H.6396, 6397, 63387, P.49147 hinge framing etc.		
	numerical index e.g. H.2208 → page 42		

	numerical index cont.		
	-		
	-		

## 6 Book 1

This book is the first of the “million series” standards lists which have survived from the later period. Some highlights of this book include:

**studs:**

**machine screws:**

**bolts:**

**nuts:**

**self tapping screws:** Firth Cleveland Fastenings, Lucas, SKN

**washers:**

**distance pieces:**

**plugs:** Carr, Wilmot Breedon, FT Products, ITW Ltd.

**lip seals:** Superoilsave, George Angus, Weston, Burtonwood/ USI, Pioneer, Dowty

**o-rings:** George Angus, Clayton Delaware, Dowty Seals, F. Perkins, Holbourne Eaton, Hydrosteer, Lockheed, Pioneer Oil Seals, Walker Jas. & Co., Weston, Girling, Std. Industrial Co., Northern Rubber Co., Redditch Mouldings

Group Nos.	Title	Date	Comments
29504071-29512484	studs UNF	Sep'65	replaced by 7908—
29603091-29612484	ditto		
reference	studs UNF	Feb'68	
9176150-99	“Ty-rap” plastic straps	Sep'66	Ross Courtney and Co., nylon
2970408-1248	studs series 700 UNF both ends	Sep'66	
2980408-1248	studs UNF	Sep'65	
2990000-29	screwed studs and rods	Oct'64	BA, BSF, BSW, special
29900030-89	ditto		
29900090-149	ditto		
29900150-209	ditto		
29900210-269	ditto		
29900270-329	ditto		
29900330-389	ditto		
29900390-449	ditto		
29900450-509	ditto		

ref	machine screws pozidriv recessed heads UNF	Feb'67	details, shape, materials, finish
ref	ditto	Feb'67	
ref	ditto	Feb'67	
39110041-39948482	ditto	Feb'67	
	ditto	Feb'67	
39110041-39648481	machine screws pozidriv recessed heads UNF	Jun'66	Table 5, Table 6 replaced by 79045—
39210041-39748482	ditto	Jun'66	
39310041-39848482	ditto	Aug'64	
39410041-39948482	ditto	Aug'64	
ref	thread cutting screws type 23 unified	Sep'65	replaced by 79055—
49110041-49314242	ditto		
49503042-49506242	ditto		
59100000-59600000	SEMS screws UNF	Aug'62	combined with washer, replaced by 79010—
	ditto		
	ditto		
	ditto		
59020000-59090000	SEMS screws and captive washer assy	Aug'62	
	ditto		
69603160-69909169	rivets semi-tubular and bifurcated	Oct'65	
69202040-69516400	rivets solid	Oct'66	
69202040-69516400	rivets availability	Oct'66	
9000000-49	hex head bolts and screws special	Apr'65	BA, BSF not UNF
9000050-109	ditto		
9000110-169	ditto		
9000170-229	ditto		
9000230-289	ditto		
9003000-49	ditto special UNF		
9003050-109	ditto		
9003110-169	ditto		
9003170-229	ditto		
9003230-289	ditto		
9003290-349	ditto		
9007000-39	road spring dowel bolts	Aug'64	properties, identification
9007040-99	ditto		
9007100-159	ditto		
9007160-199	ditto		
9007200-239	weld bolts UNF and studs	no date	
9007300-49	captive cage assy square	Oct'64	F.C. Fastenings
9009000-39	U-bolts	Sep'59	
9009040-99	ditto		
9011000-39	bumper etc. bolts all threads		
9011040-99	ditto		
ref	“Longlok” bolts and screws self locking	Apr'67	
9013000-199	ditto		
9013200-399	ditto		

9013400-599	ditto		
9013600-799	ditto		
9020000-34	spring fix nuts	Aug'66	Spire, Salterfix, Simmonds
9020035-74	ditto		
9020075-114	ditto		
9020160-199	ditto		
9020200-239	nut grips (Simmonds)	Sep'59	
9020240-251	expansion nuts (Simmonds)	Sep'59	
9022000-49	domed nuts	Sep'59	
9023000-39	wing nuts not UNF	Sep'59	
9024000-39	frame nuts and jaw nuts	Aug'64	
9025000-39	T-nuts	Sep'65	
9025230-69	nuts, hank rivet and clinch	Sep'65	
9026000-39	KEPS nuts		pre-assembled with lock washer
9026040-99	ditto	Mar'68	
9027000-39	2 hole tapped strips	Aug'64	
9027040-99	ditto		
9027100-159	ditto		
9027950-999	tapped strip 2 holes		
9029000-49	non-slotted nuts special all threads	Apr'59	
9029050-109	ditto		
9029110-169	ditto		
9029170-229	ditto		
9032000-49	slotted nuts special all threads	Apr'59	
9032050-109	ditto		
90034000-59	nuts special misc. all threads	Apr'59	
ref	nuts special misc. clinch nuts all threads	Aug'63	
ref 79034—	nuts special misc. all threads	no date	
ref	machine screws special all head and threads	Aug'59	
9050000-59	ditto		
9050060-119	ditto		
9050120-179	ditto		
9050180-239	ditto		
9051000-199	paint removing set screws unified	Dec'67	
9051200-149	ditto		
ref 9052—	standard point and super point screws	May'67	
ref 9052—	standard point and super point screws	Mar'69	
790524000-799	ditto		
90524000-847		Mar'69	
ref 9053—	paint removing screws unified	Mar'68	
9053000-189	ditto		
9053200-389	ditto	Mar'69	
9053400-589	ditto	Mar'69	
ref	self tapping screws special	Feb'63	
9056000-59	ditto		
9056160-549	taptite screws, pozidriv recess head	Jan'67	



9056550-949	ditto		
9057000-39	set pins	Aug'64	
9057040-99	ditto	Aug'64	
9059000-39	set screws	Aug'64	
9059040-999	set screws	Aug'64	
9067000-199	plain washers	Apr'59	material En2(nCR)
9067200-239	ditto		
9067240-299	ditto		
9067300-359	ditto		
9067360-419	ditto		
9067420-479	ditto		
9067480-539	ditto		
9068000-500	BS plain washers	Dec'64	
	ditto		
9075000-49	compression washers (wavy)		spring steel
9075050-99	ditto		
9071100-219	shims and chips shields	Sep'65	
9071000-99	shims and chips shields	Oct'65	
9076000-49	plain washers brass and phos. bronze	Jun'59	
9076050-109	ditto		
9077000-49	joint washers, plain copper aluminium etc.	Sep'59	
9077050-109	ditto		
9077600-19	joint washers misc.	Sep'59	
9077620-79	ditto		
9077680-739	ditto		
9078000-99	fibre washers	Jun'59	
9079000-49	washers, cork leather etc.	Apr'60	
9079050-109	ditto		
90790110-169	ditto		
9082000-49	washers misc. special	Aug'66	
	ditto		
9084000-39	washers square and rect.	Mar'66	
9084040-89	ditto		
9084090-139	ditto		
9084140-189	ditto		
9084190-239	ditto		
	missing		
9084250-289	ditto		
9086000-39	supplementary list of spring washers and toothed lock washers	Dec'59	
9086040-99	ditto		
ditto	as listed		
9087000-49	distance pieces	Jun'65	
9087050-109	ditto		
9087110-169	ditto		
9087170-229	ditto		
9087230-289	ditto		
9087290-349	ditto		

9087350-409	ditto		
9088000-49	distance pieces made from bar	Jun'65	
9088050-109	ditto		
9088100-169	ditto		
9088170-229	ditto		
9089000-49	distance piece 1/dia tube	Jun'65	
9090000-99	2 hole lock plates and packings	Mar'60	material EN2(CRCA)
9090100-139	ditto		
9090140-199	ditto		
9090200-239	ditto		
9090240-299	ditto		
9090350-399	ditto		
9090300-349	ditto		
9094000-24	sail and shoe eyelets and rings	Nov'64	
9094025-74	ditto		
9094075-119	ditto		
9096000-49	lock washers	Apr'60	
9096050-109	ditto		
9101000-49	button plugs		
9101050-109	button plugs		
9101120-64	cover plates	May'64	
9101800-39	cup plugs	Nov'63	
9101840-99	cup plugs	Nov'63	
9102—	lip seals	Jun'60	
9102000-59	ditto		
9102060-119	ditto		
9102120-179	ditto		
9102180-239	ditto		
ref 9107—	O-rings test procedures	Feb'63	
ditto			
9107000-39	toroidal o-rings	Oct'67	
9107040-89	toroidal o-rings	Oct'67	
9107090-139	toroidal o-rings	Oct'67	
9107140-189	toroidal o-rings	Oct'67	
9107300-49	hydraulic packings	Feb'60	
9111000-99	felt strips and packings	Mar'61	
9111100-219	ditto		
9111220-339	ditto		
9111340-459	ditto		
9111460-579	ditto		
9094(1)	sail eyelet rings	Mar'68	not issued
9003(6)	hex head bolt and screw UNF		re-drawn
9007(7)			re-drawn
9020(0)	spire nuts		re-drawn
9034(1)			re-drawn
9034(3)			re-drawn
9034120-139			re-drawn

9034(6)		re-drawn
9056(4)		re-drawn
9067(6)		re-drawn
9067(7)		re-drawn
9101(1)		re-drawn
9101(2)		re-drawn
9102(0)		re-drawn
9102(2)		re-drawn
9102(4)		re-drawn
9107(4)		re-drawn
9107(7)		re-drawn
9111(1)		re-drawn
9111(3)		re-drawn

## 7 Book 2

Some highlights of this book include:

**grommets:**

**felt and rubber washers:**

**fasteners:**

**beading clips:** ITW, FT Products, Carr Fastener, Geo. Tucker Eyelet

**trim clips:**

**rivets:**

**clevis pins:**

**dowels:**

**connectors:**

**brake pipes:**

**hose:** Lockheed, Girling, Telehoist, Lunken, Superflexit, Greeneco, Clayton

Group Nos.	Title	Date	Comments
9116000-49	rubbert grommets and plugs	Dec'60	
9116050-109	ditto		
9116110-169	ditto		
9116170-229	ditto		
9116230-289	ditto		
9117000-49	rubber grommets and plugs	Dec'60	
9117050-109	ditto		

9117500-549	rubber grommets and plugs	Dec'60	
9117550-609	ditto		
9118000-549	rubber grommets and plugs	Dec'60	
9118050-109	ditto		
9118500-549	rubber grommets and plugs	Dec'60	
9118550-609	ditto		
9119000-39	grommet plugs	Feb'66	
9119040-99	ditto		
9119100-159	ditto		
9119500-514	grommet plugs	Nov'62	
9119541-556	ditto		
9119557-568	ditto		
9119515-531	ditto		
9119532-540	ditto		
9119569-576	ditto		
9119577-594	ditto		
9119595-612	ditto		
9119613-618	ditto		
9119619-623	ditto		
9119624-634	ditto		
9119635-659	ditto		
9119660-701	ditto		
9120000-39	felt washers and bushes	May'60	
9120040-99	ditto		
9120100-159	ditto		
9120160-219	ditto		
9122000-39	rubber washers and bushes	Jun'67	
9122040-99	ditto		
9122100-159	ditto		
9122220-279	ditto		
9122160-219	ditto		
9127000-49	DZUS fasteners	May'64	
9127050-74	DZUS fasteners grommets	May'64	
9127075-99	DZUS fasteners springs	May'64	
9127075-99	DZUS fasteners springs (2)	May'64	
9127075-99	DZUS fasteners springs clips	May'64	
9127450-99	Oddie quick release pins and studs	May'64	
9127500-46	Tenax fasteners	May'64	
9128500-63	fasteners carpet etc.	May'64	
9128000-63	fasteners curtains etc.	May'64	Lift the Dot
9129000-49	fasteners curtains etc.	May'64	Common Sense Turnbutton
9129500-29	beading clips	May'64	
79128500-85	fasteners carpet etc.	May'64	Socket
79128508-585	fasteners carpet etc.	May'64	Carr Fastener
9129530-67	beading clips	May'64	
79129530-69	beading clips	May'64	
9129554-73	clip on washer and rivet assy	May'64	
79129574-99	beading fixing clips	Oct'66	

79129600-607	metal beading clips	
9129616-675	clip on washer and rivet assy	May'68
9130000-25	clips trim pad etc.	May'64
9130026-59	ditto	
9130060-81	ditto	
9130082-93	ditto	
9130094-103	ditto	
9130104-111	ditto	
9130112-119	ditto	
9131050 etc.	supplement fastener springs	May'64
9131000-49	button plugs spring fixing	May'64
9131050-74	button plugs fastener springs	May'64
9131075-109	ditto	
9131110-149	ditto	
9131150-179	button plugs trim pad clips	May'64
9131180-185	ditto	
9131186-193	ditto	
9131450-99	drive fasteners	May'64
9131500-14	spring retainers	May'64
9131515-34	ditto	
9131535-46	ditto	
79131558-608	drive fastener	
9132000-99	fastener carpet trim pad etc.	May'64
9132400-28	fastener misc. rigid type	
9132440-499	ditto	
9132500-511	clips misc.	May'64
9132512-525	ditto	
9132526-539	ditto	
9132540-550	ditto	
9132551-558	ditto	
9132572-579	clips misc. for millboard wood etc.	Aug'67
9132900-14	friction and grip bushes	May'64
9132915-36	ditto	
9132937-43	ditto	
9132980-99	ditto	
9133(0) ref	split friction bushes	May'64
9133100-149	ditto	
9133150-209	ditto	
9133210-249	ditto	
9133250-299	ditto	
9133300-359	ditto	
9133360-399	nylong shaft retainers	Oct'66
9143000-39	blind assy rivets	Nov'63
9143040-99	ditto	
9143100-159	ditto	
9143200-269	ditto	
9143270-299	ditto	
9143300-339	rivets plastic type	Nov'63

9143340-399	ditto	
9143400-999	swage locking fasteners etc.	Dec'65
9143400-439	ditto	
9143560-599	ditto	
9143900-919	ditto	
9143440-499	ditto	
9143500-559	ditto	
9143600-659	ditto	
9143660-719	ditto	
9144000-69	clevis (jaw) pins	Dec'65
9144070-129	clevis (jaw) pins for use with circlips or bent wire clips	Dec'65
9144100-130	clevis (jaw) pins for use with springfix rtg. clips	23/10/69
9144(0) ref	linkage clips	Oct'65
9144450-479	ditto	
79146000-49	plain pins and dowels	Oct'64
79146050-109	ditto	
79146110-169	ditto	
79146170-229	ditto	
9146800-49	dowels hollow	Oct'64
9146900-49	dowels stepped	Oct'64
9151000-39	straight adaptorts nipple fitting	Aug'60
9151200-239	straight adaptorts olive fitting	Aug'60
9151240-99	ditto	
9151400-469	straight adaptorts olive fitting misc.	Jul'60
9151500-619	ditto	
9152000-69	2 way connectors nipple fitting double nut and single nut	Aug'60
9152100-219	ditto olive fitting	
9152300-557	ditto flared fitting misc.	
9154000-39	elbow adaptors	-
9154080-87	elbow connectors	Oct'65
9155000-5	3, 4 and 5 way connectors	Jul'60
9155006-12	ditto	Jan'61
9155013-20	ditto	Jan'61
9155021-26	ditto	Mar'63
9156000-49	union nuts nipple fitting	Apr'60
9156050-99	union nuts olive fitting	Apr'60
9156600-649	tube nuts flared end and olive fitting	Apr'60
9156650-699	ditto	
9157000-49	union nipples	May'60
9157100-149	union olives	May'60
9157150-199	ditto	
9159000-19	simple banjo connectors	Sep'61
9159000-19	ditto	
9159500-535	banjo bolts	May'60
9159200-239	banjo connectors simple	Sep'65

9159240-299	ditto		
9159300-314	banjo connectors	Jul'60	
9159315-322	ditto		
9159400-409	2 way banjo	Jul'60	
9159410-417	banjo connectors	Apr'65	
9159536-569	banjo bolts	Dec'60	
9159600-619	ditto	Jul'60	
916000-3329	brake control pipes		use 9260— instead
9160600-99	brake control pipes straight	Jun'66	
9162600-999	ditto		
9163000-149	brake control pipes formed	Nov'60	
9163150-329	ditto		
9166 etc. ref	heater hose		
9166000-39	rubber hose	Nov'64	
9166040-99	ditto		
9166100-159	ditto		
9166160-219	ditto		
9166220-279	ditto		
9166500- ref	heater hose formed (curved) knitted	Mar'62	
9166500-559	ditto		
9166650-829	heater hose straight 2 ply wrapped		
79168— ref	flexible hose pipe assy		air, oil, petrol
79168500-29	for ref only		
791686530-59	ditto		
791686560-89	ditto		
791686590-119	ditto		
791686520-49	ditto		
9169000-39	hose connectore	Aug'60	
9169(0) ref	ditto	Nov'63	
9116(6)			re-drawn
9119() x2			re-drawn
9127(7)			re-drawn
9128(17)			re-drawn
9129(18)			re-drawn
9129(21)			re-drawn
9132(33)			re-drawn
9152()			re-drawn
9154(1)			re-drawn
9154(2)			re-drawn
9156500-24			re-drawn
9156560-99			re-drawn
9156()			re-drawn
9161(4)			re-drawn
9163(3)			re-drawn
9166(ref)			re-drawn
9143(4)			re-drawn
9165()			re-drawn

9166() x2			re-drawn
9168(0)	nylon etc. fuel pipe assy		re-drawn
9168(0A)			re-drawn
9168(1)			re-drawn
9168(2)			re-drawn
9168(3)			re-drawn
9169() x3			re-drawn

## 8 Book 3

Some highlights of this book include:

### pipe and cable clips:

**bearings:** Lucas, Burman, Fischer, Hoffman, Hyatt, Skefco, Torrington, Ransome-Moules, Salter, Timken, NTN, Koyo, SKF

**bushes:** Reservoil, Oilite, Compo, Glazier, Lubrook

**circlips:** Anderton, Automotive Eng., Ellison, Firth Cleveland Fastenings, Salter, Baker and Finnemore

**tyres:** Dunlop, Firestone, Goodyear, India, Michelin, Viking, Pirreli [sic]

**fan belts:** BTR Industries, Dunlop, Feroro, Goodyear, CBS Industries Ltd.

**keys:** Tudor etc.

### brake pipes:

**stiff nute:** Nyloc, Oddie, Industrial Std., Aerotight, Cleveloc, Philidas, Binx

**hose clips:** Jubilee, Terry's Security, Cothier's Worm Drive, Tex Griptite, Cheney Connect, Herbert Terry's, Universal Mat Co. Supergrip, Hunt and Turner, E.H. Hill, Corbin

### staples:

Group Nos.	Title	Date	Comments
79176000-79176049	clips, pipe and spring anchor		
79176110-149	clips, pipe and cable	Jun'69	
9176200-239	clips, pipe and spring anchor	Sep'59	
9176300-49	clips, pipe and spring anchor	Sep'59	
9176400-39	ditto		
9176500-29	pipe clips	Sep'59	
9178000-49	spring clips	Sep'59	
9178050-69	ditto	Feb'66	
9178070-119	ditto	Sep'59	
9178120-164	ditto		



9178500-59	spring clips pipe cable etc.	Jun'64	
9178500-29	ditto table		
9178530-59	ditto table		
9178560-69	ditto drawing		
9178570-87	ditto drawing and table		
9178588-99	ditto drawing		
9178600-24	ditto drawing		
9178600-24	ditto table		
9178650-62	ditto drawing		
9178663-75	ditto drawing		
79178676-93	clevis (jaw) pin rtg clips	22/10/69	Springfix
9179000-99	wiring clips	Sep'59	
79179191-200	wire and cable clips	Mar'66	nylon etc.
79179201-49	ditto	Sep'66	
79179250-79	ditto	Sep'59	
79179350-79	cable and pipe clips	-	
79179380-99	ditto		
79179400-19	ditto		
9181000-49	clips, column etc.	Sep'59	
9182000-39	clips, exhaust silencer etc.	Sep'59	
9182040-99	ditto		
9182100-159	ditto		
9188(0) ref	ball and roller bearing standards	-	
9187000-49	balls	Feb-65	
9187000-49	rollers parallel	Feb-65	
9187000-49	needle rollers	Feb-65	
9188000-49	ball journal bearings	Feb'65	
9188050-99	ditto		
9188100-149	ditto, self aligning inch sizes		
9190000-49	ball bearings single row	Feb'65	
9191000-44	ball brg double row		
9191045-99	ditto		
9192000-34	taper roller brgs complete assy	Mar'65	
9192035-89	ditto		
9192090-144	ditto		
9192145-199	ditto		
9192310-59	taper roller brgs split condition	Mar'65	
9192310-59	contd.		
9194000-49	parallel roller brgs single row metric	Mar'65	
9194050-99	ditto inch size		
9196000-29	brgs spigot and misc. roller	Mar'65	
9196030-99	ditto		
9197000-44	snap ring located brgs ball and roller	Mar'65	
9198000-24	ball brgs misc. shielded sealed and clutch throw out		
9198025-79	ditto		
9198800-2	brg units water pumps etc.	Mar'65	
79199000-39	rubber-metal bushes	Aug'64	

79199040-99	ditto		
79199100-159	ditto		
79199160-199	ditto offset type		
9200000-16 ref	bushes self lubricating and sintered	Aug'66	
9200017-58	ditto		
9200059-111	ditto		
9200112-159	ditto		
9204000-39	circlips Seager type internal	Sep'59	
9204040-99	ditto		
9205000-39	ditto external		
9205040-99	ditto		
9206000-29	circlips for small grooved shafts	Sep'65	
9206030-84	ditto		
9206500-39	spring grip washers	Jul'65	
9206540-79	ditto		
9212000-49	check straps and hangar straps	Sep'65	
9212050-109	ditto		
9213000-49	Woodruff keys	Apr'59	
9213800-39	parallel keys	Apr'59	
9214000-9	drain taps	Apr'59	
9241010-39	ditto		
9241040-49	ditto		
92150(0) ref	helical thread inserts	Sep'59	
79215000-119	ditto		
9215120-49	inserts, knurled, multi-vaned, finned	Mar'66	
9215500-49	hex socket headed screws plugs etc.	Feb'68	
9215550-99	ditto	Feb'63	
9215600-39	ditto	Feb'61	
9215604-99	ditto		
9216000-29	spring links and extensions	Sep'59	
9216030-89	ditto		
9217000-29	grease nipples taper thread	Feb'67	
9217030-89	ditto		
9217350-59	extensions and adaptors misc.	Sep'59	Clayton Dewandre
9217300-19	ditto for grease nipples etc.		
9217320-49	ditto		
9217600-49	adaptors simple	Sep'59	
9221500-23	tubular box spanners	Aug'62	
9222000-99	tappet clearance gauges	Sep'65	feelers
9222100-149	ditto		
79224000-79	tyres, not tubeless	-	
79224080-199	ditto	Feb'60	
79224500-599	tubes	Feb'60	
79225000-79	tubeless tyres	-	
79225080-199	ditto	Feb'60	
79225200-319	ditto	Feb'60	
9226000-59	roller chains, timing etc.	Aug'64	

9226060-179	ditto		
9226500-49	fan belts wedge type	Jan'66	
9226550-99	ditto		
9227000-45	sparking plugs Champion	May'65	
9227100-108	electrical connectors blade type	Oct'65	
9227109-120	ditto		
9227121-133	ditto		
9228040-59	ball catches and striker plates	Feb'66	
9228060-80	spring latches and ball studs	Feb'66	
9228080-83	door strikers and catches	Dec'66	
9228100-110	un-classified accessories, keys door etc.	Aug'63	FA, FP, T, ST, RM, MRN
9228110-125	ditto		ST, SR, RM, RR, FS, RL, BC, SCL
9228140	misc. fixings	Apr'67	Carr Fastener etc.
9260(0) ref	brake control pipes	Jun'66	
9260(0A)	ditto flared ends		
9260000-599	ditto straight		
9260600-1099	ditto		
9261100-1199	ditto		
9261400-1499	ditto		
9261500-99	control pipes straight	Jun'66	
9261600-649	ditto	Mar'68	
79216150-789	ditto	Feb'69	
9262600-999	ditto	Jun'66	
79261790-899	ditto	Nov'60	
9263000-149	ditto formed		
9263150-329	ditto		
9500(0) ref	hex nuts unified normal series	Aug'63	BS.1768
9500000-4244	hex nuts 100% crack tested UNF	Feb'66	
9510000-336	hex nuts machine screws prevision type	Jan'65	
9510040-9550000	hex nuts, ordinary and lock nuts	May'60	
9530040-9540000	hex nuts slotted	May'60	
9551(0) etc. ref	stiff nuts UNF threads	Aug'63	Nyloc etc.
9552033-163, 4033-163, 6033- 163, 70033-70163	stiff nuts UNF thread	Aug'63	
9551033-163, 3033-163, 5033- 163, 9033-163, 71033-1163	ditto	Aug'66	
9557305-9564080	square nuts UNF	Sep'65	
9559016-90, 9559231-82	weld nuts UNF	Jan'67	deleted see I/C 190, 195
9559231-82	weld nuts UNF	-	
9562000-3086	domed nuts UNF	Sep'65	
9565030-8086	wing nuts	Sep'65	
9572033-163	stiff nuts UNF threads	Feb'65	

9573043-163	ditto		
9574053-83	ditto		
9575043-163	ditto		
79576—	Autolok siff nut		Chrysler UK, not updated, originally 9034082
9616—	clinch nuts Barton type BA and BSF	May'60	
79650000-9587	wood screws	May'68	
79660071-2643	spring washers single and double coil	Aug'59	
9660(0) ref	spring washers inspection and testing	Aug'59	
9663071-6483	toothed lock washers, shake proof and fan disc	Aug'59	
9663(0) ref	toothed lock washers inspection and testing	Aug'59	
9670000-1434	cup washers	Mar'66	
9670000-1434	cup washers		re-drawn
9672(0) ref	spire screw caps	Feb'65	
9672000-149	ditto		
79780000-17	hose clips worm drive type	Stp'59	
79780—	hose clips	Jun'65	
7978100-79783—	hose clips	Sep'65	
79784000-79786—	ditto		
79787— -79788—	ditto	Jun'63	
9781000-9783—	ditto		re-drawn
9784000-9786—	ditto		re-drawn
9789—	ditto	Feb'64	
9800-9803(0A) ref	screwed plugs squareness tolerance	Feb'64	
9800-1-2(0) ref	screwed plugs std types and sizes	Apr'60	
9800-1-2(1) ref	screwed plugs parallel threads	Apr'59	
9800-1-2(1) ref	screwed plugs special threads	Apr'59	
9803000-49	ditto	Nov'60	
9803050-99	ditto		
9803100-149	ditto	Apr'59	
9803150-159	ditto		
9803200-259	ditto		
9804(0) ref	screwed plugs std types	1959	
79803160-199	ditto special taper and parallel threads	Mar'69	
9804(1) ref	screwed plugs taper threads std types and sizes	Apr'59	
9805-6(0)	ditto std types and sizes	Apr'60	
9805-6(1)	ditto taper threads		
9808100-999, 9100-699	plugs sealing discs	May'68	Welch washers
9810(0) ref	spiro pins dowel spring	Aug'66	
9810000-49	ditto	Mar'66	
9810050-99	ditto		
9810100-149	ditto		
9810150-199	ditto		

98104– -98162–	spring dowels hollow tension pins	Feb'61	
9821— -9822—	taper pins solid and split	Feb'61	
9821900-49, 2900-49	taper pins, special sizes and materials	Feb'61	
9830(0)	split cotter pins special etc.	Nov'63	R-clips
9830000-99	ditto		split pins
9830200-499	split cotter pins	Nov'60	
9859000-44	square nut retainers weld type special	Nov'60	
9859101-	nut retainers	May'60	
9886950-999	staples	Feb'66	
9176(1)			re-drawn
9176(2)			re-drawn
9179(2)			re-drawn
9179(8)			re-drawn
9179(9)			re-drawn
79179420-49			re-drawn
9232(1)			re-drawn
9233			re-drawn
9261200-299, 300-399			re-drawn
9551, 3, 4, 9569,			re-drawn
9571(1)			
9522, 4, 6,			re-drawn
9570(1)			
9700(1)			re-drawn

## 9 Book 4

This book illustrates sections through various materials available as extrusions or in the form of sheet, seals, etc. The section drawing numbers relate quite closely to the Group numbers (part numbers), but it is not an exact match. The first sheets of the book contain the cross reference tables. Both numbers are listed on other sheets and below.

Many of the sheets have two sets of drawings and tables, so we have listed them in pairs where possible. There are no dates on these drawings but the style suggests they were from the 1959-68 series. They were probably drawn by apprentices as there are a large number of corrections.

Some highlights of this book include:

**door seal etc:** Bright Manufacturing Co. Ltd. (UA part codes)

**tubing:** Hellerman's Helvin tubing

**rubber and canvas strap:** Typrod

**glazing strip:** Perfecta Motor Equipm. Ltd., Clayton Wright, Empire Rubber Co.

**PVC hose:** Cov. Motor Supplies

**sealing strip:** Hert's Rubber, J.W. and T. Connolly

**rubber and moquette edging:** H.G. Graham and Son, ICI

**PVC edging:** P.S. Co.

**gripper:** Pianoforte Suppliers Ltd.

**1/4 light seal:** Carbodies

**rubber strip:** CC&C Marshall

**hook on trim:** Pullman Spring Filled Co. Ltd.

**rubber strip:** Wilmot Breeden

**PVC sleeve:** Lucas

**Planchrome trim:** Creators Ltd.

**rubber strip:** A. Roberts

**closing strip:** Duraflex Ltd. Vybak

**weather strip:** Hertfordshire Rubber Co. Ltd.

Group Nos.	Comments
92330001-231	conversions Group No. to Section No.
92330232-454	ditto
92330455-659	ditto
92330660-864	ditto
92333865-4060	ditto
92334061-	ditto
92339234-	blank

Section No.	Group Nos.	Title	Section No.	Group Nos.	Title
9233000	9233001	door closing seal etc. UA.824			
9233002	9233002- 338	finisher ditto UA.836			
9233003	9233001- 182	ditto UA.840			
9233004	9233052- 713	closing seal UA.1170			
9233056	9233057	rubber and canvas strap			
9233061	9233063- 470	Hellerman's Helvin tub- ing			
9233066	9233069- 207	black rubber tubing, drain tube	9233072	9233073	ditto

9233078	9233079	ditto electrical resistant	9233080	9233081-82	ditto non-blooming
9233087	9233088-91	rubber tubing canvas re-inforced			
9233092	9233093, 94, 703	rubber tube petrol resistant	9233095	9233096	PVC tube
9233097	9233098-99	PVC tube	9233102	9233103	rubber strip
9233104	9233105-11	rubber strip	9233112	9233113-5	ditto
9233122	9233123, 124, 202	rubber glazing strip	9233125	9233126	rubber weather strip
9233127	9233128-33	mill board trim strip	9233137	9233137	rubber packing strip
9233138	9233139	soft rubber strip	9233140	9233141	ditto
9233145	9233146-7	ditto	9233148	9233149-51	ditto
9233152	9233153	sponge rubber sealing strip	9233154	9233155	ditto glazing strip
9233158	9233159	mill board trim strip	9233160	9233161	rubber drain tube non-blooming
9233162	9233163	rubber drain tube	9233164	9233165	ditto
9233166	9233167	ditto	9233168	9233169-70	ditto re-claimed rubber
9233171	9233172	ditto	9233173	9233174-7	ditto draught tubing
9233184	9233185-6	rubber tube	9233187	9233188-97	rubber tube
9233198	9233199-209	rubber water drain tube	9233210	9233211	rubber tube
9233212	9233213	piping rubber	9233214	9233215	soft rubber tube
9233216	9233217-220	ditto	9233221	9233220	ditto
9233223	9233224-5	re-claimed rubber tube	9233226	9233227-37	extruded rubber tube
9233238	9233239-40	rubber piping tube	9233241	9233242-3	extruded rubber tube non-blooming
9233244	9233245-6, 961	PVC breather hose	9233247	9233248-52, 491-2, 873	ditto
9233253	9233561, 854, 4007, 4444, 4501	PVC tubing	9233254	9233255, 4431	non-blooming rubber weather strip
9233256	9233256	ditto PVC			
9233292	9233293-6	sponge rubber core weather strip	9233297	9233298-303	PVC beading packing
9233304	9233304	PVC wing piping	9233305	9233305	ditto
9233306	9233307-9	non-blooming rubber weather strip (on above drwg)			
9233310	9233310	PVC weather strip	9233311	9233311	non-blooming rubber weather strip
9233312	923313-04	sponge rubber weather strip (on above drwg)			
9233315	9233316	rubber draught strip	9233317	9233317	PVC beading
9233318	9233318	non-blooming rubber weather strip	9233319	9233320-1	ditto sealing strip
9233322	9233323	rubber trim strip	9233324	9233325-6	non-blooming rubber

9233327	9233328	weather strip rubber	9233330	9233338-45	rubber and moquette edging UK.1180
9233330	9233460-599	contd.			
3299233	-	glazing strip black rubber	9233331	-	door closing UA.1148
9233332	9233333-4019	sponge rubber core sealing strip	9233354	9233355-4020	PVC edging
9233354	9234027-707	contd.			
9233354	9234027-707	ditto re-drawn			
9233361	9233362-4084	PVC edging	9233369	-	gripper?
9233370	9233371-74	mldg parcel tray rail (on above drwg)			
9233383	9233384-409	rubber draught tube moquette covered	9233389	9233390-721	transparent PVC tube
9233392	9233393-4043	worsted covered edge grip	9233399	92333400-4076	ditto moquette covered
9233406	9233407, 451, 571	petrol resistant PVC tube	9233431	9233432	closing strip moquette covered
9233433	9233965	seal 1/4 light non-blooming rubber	9233434	9233447-8	ditto
9233436	9233437	closing strip, rubber	9233446	9233447-8	ditto
9233449	9233450, 2	closing strip	9233466	9233467	rubber strip
9233468	-	rubber strip beaded (on above drwg)			
9233471	9233472	edging tapestry covered	9233473-6	-	hook on trim
9233477	-	weather strip retainer	9233478	9233479	ditto
9233484	9233485, 537, 560	closing strip	9233501	9233502-23	piping strip
9233524	9233525-9, 776-7	ditto tapestry coverer			
9233543	9233544, 4395	PVC tube edging	9233556	9233557	PVC petrol resistant breather pipe
9233558	9233559	UA.1248 closing strip	9233554	9233563	UA.852 ditto
9233572	9233573	UA.1142 closing strip moquette covered			
9233604	9233641-4039	UA.1264 ditto			
9233622	9233624	UA.1174 closing strip rubber	9233623	9233625, 7	UA.1200 ditto
9233626	9233627	rubber tube	9233629	9233630-2	PVC petrol resistant tube
9233633	9233634-5	polyurethane foam strip	9233636	9233637, 674	ditto
9233638	9233639-40	ditto self adhesive	9233664	9233665	ditto



9233666	9233667, 4224	ditto	9233671	-	ditto
9233672	-	ditto	9233675	9233676, 808, 4017-8	wire edging cotton covered
9233704	9233705	polyurethane rubing	9233719	9233720	closed cell rubber strip
9233778	9233779	polyurethane foam strip self adhesive	9233780	-	ditto
9233781	-	PVC protection strip (on above drwg)	9233783	9233784	PVC tube (on above drwg)
9233785	-	PVC extrusion	9233786	-	PVC protection strip
9233787	-	PVC ? (on above drwg)	9233788	-	PVC roof packing joint (on above drwg)
9233795	9233796	rubber tube	9233797	9233798	PVC weather seal (?)
9233799	-	polyurethane foam strip	9233807	9233800, 824	PVC edge beading
9233822	9233823	rubber strip	9233825	9233826, 4219-21, 4279, 4285	PVC strip with holes
9233827	9233828-40	ditto	9233843	9233844-5	weather strip PVC
9233922	9233923- 4104	wire edging moquette covered rectangular			
9233923	9233932- 4056	ditto tapestry covered			
9233991	9233997, 4448	PVC sleeve for eyelets etc.	9233998		Planchrome door trip
9234011	9234012	PVC weather strip	9234012	cancelled	rubber weather strip
9234014	9234015	closing strip UA.1364/2			
9234021	9234022	PVC tube	9234023	9234023	semi-rigid PVC channel
9234025	9234026	polyurethane foam strip	9234030	9234030-2, 4533	PVC beading
9234035	-	rubber non-blooming glass channel			
9234050	9234051-2	transparent plastic tube	9234053	9234054, 211, 491, 500, 509, 705, 690	black PCV tube
a 9234069	9234070-78	wire edging Saran covered rectangular			
9234090	-	glass channel non- blooming rubber	9234091	-	windscreen weather strip
9234092	9234093-5	glass channel	9234096	9234097	ditto
9234098	9234225	ditto (on above drwg)	9234099		ditto (on above drwg)
9234105	9234106-7	sponge rubber weather strip	9234108	9234109-10	ditto
9234111	9234113-4	ditto	9234112	9234113-8	ditto
9234119	9234120-3	ditto	9234124	9234125	ditto live rubber skin sealing strip

9234126	9234127	sponge rubber sealing strip rubber skin	9234128	9234129-30	
9234131	9234132	ditto	9234133	9234134-5	ditto
9234136	9234137	ditto	9234138	9234139	ditto
9234140	9234142-5, 79232905	stainless edge strip	9234141	9234142-5	brass ditto
9234146	9234147	weather strip rubber	9234148	9234149	tread mat rubber
9234150	9234151-2	weather strip rubber	9234153	9234154	ditto
9234155		ditto	9234156		ditto
9234157		ditto	9234158		ditto
9234159	-	edge strip moquette or worsted covered	9234160	9234161	PVC piping
9234162	9234163-4	grey rubber draught piping	9234165	-	black rubber draught welt
9234166	9234167	grey rubber piping	9234168	9234169-70	draught welt moquette cover
9234171	9234172	piping plastic	9234173	-	ditto
9234174	-	PVC weather strip	9234175	9234450-69, 493-5, 617-8	ditto
9234176	9234177	ditto	9234178	9234179-80	sponge rubber weather strip
9234181	9234182-3	black rubber weather strip	9234184	9234185	black rubber seal
9234186		black rubber weather strip	9234187	9234188-90	ditto
9234191	9234192	black rubber weather strip glass-body	9234193	9234194	black rubber filler for above
9234195	9234257-99, 300, etc. to 4529	Planchrome door trim	9234196	-	polyurethane tube
9234197	9234198	PVC petrol breather tube	9234226	9234227, 84, 87, 478	glazing strip
9234216	9234217-8, 22, 80, 447	synthetic rubber cover strip	9234232	9234233	ditto
9234228	9234229	Planchrome plastic beading	9234230	9234231, 8, 9-41	ditto
9234235	9234236-7	door weather strip	9234242	9234243	PVC tube
9234250	cancelled				
9233074	re-drawn		9233077	re-drawn	
9233083	re-drawn		9233085	re-drawn	
9233257	re-drawn				
9233882	re-drawn		9233890	re-drawn	
9234195	re-drawn		9234196	re-drawn	
9234250	re-drawn		9234263	re-drawn	
9234361	re-drawn		9234428	re-drawn	

## 10 Book 5

Some highlights of this book include:

**conversion tables:** old lists to new “million” series and *vice versa* c. Jan’1959

Not sure where the following drawings belong, probably at the start of Book 1.

Group Nos.	Title	Date	Comments
1910-1981(0A) ref	hex bolts and screws		cancelled see 79040—
1910-1981(0B) ref	ditto		
1910-1981(0C) ref	ditto		
1910-1981(0D) ref	ditto		
1910-1981(0) ref	ditto		
1910-1941	ditto		
1950-1982-	ditto	Jun’66	

### 10.1 Conversion tables.

The following general rules are explained in this book. Example: applying the rule  $B \rightarrow 19$ , List number B.109164 becomes Group number 19109164 (“million” series). See above table...

**bolts:**  $B \rightarrow 19$

**studs:**  $S \rightarrow 29$

**screws:**  $SC \rightarrow 39$

**screws:** TS plus six figures  $\rightarrow 49$

**screws:** TS plus five figures  $\rightarrow 97$  (? more likely 490)

**SEMS units:** M plus five figures  $\rightarrow 590$

**SEMS units:** M plus six figures  $\rightarrow 59$

**rivets:** R plus five figures  $\rightarrow 690$

**rivets:** R plus six figures  $\rightarrow 69$

**nuts:**  $N \rightarrow 95$

**other numbers completely changed:** B, CB, D, DS, JP, M, N, R, S, SC, SCR, SPN, SQ, T, WS

**others ditto below 1000 only:** P, W

Million series nos. to be used on all drawings from this date January 1959. P, H, K series continued to be used for numbers higher than 1000 and may now be included in the Microfiche collection.

The new numbers are listed in Books 1-4 except for the 19— numbers noted above.

Part Nos.	Title	Date	Comments
	Rootes Group standards alphabetical group from index	Apr'63	6 sheets
	ditto numerical index	July'62	13 sheets
	conversion from standard List part nos. to "million" series	Jan'95	
B	bolts conversion		2 sheets
CB, SQ, D	conversion		
DS	conversion		2 sheets (no.2 missing)
N	conversion nuts		2 sheets
P	conversion pins plugs etc.		3 sheets
Scr	conversion		3 sheets
TS, JP	conversion		2 sheets
W	washers conversion		2 sheets
WS	wood screw conversion		3 sheets
	summary of million series Group nos. and old standard nos. not including coded nos.		3 sheets
	ditto second set (master record)		3 sheets
95—	code system for nuts UNF UNC		sheet no.1
96—	ditto BA BSF BSW BSP	4/2/64	2
964—	coach bolts BSW		3
966—	spring washers (cancelled)		4
966—	tooth lock washers (cancelled)		5
967—	cup washers		6
980—	plugs and sealing discs		8
981—	hollow tension pins (withdrawn)		9
982—	taper pins		10
983—	split pins		11
984—	Mills pins and studs		12
985—	screw nails		13
9857—	hardened drive screws		14
9859—	nut retainers (for decoding)		15
986—	escutcheon pins		16
986—	wire grips		17
9869—	wire box nails		18
987—	panel pins		19
987—	square cut tacks		20
988—	screw eyes		21
988—	staples for wire netting		22
9888—	(plain) staples flat wire		23
9888—	(insulated) staples flat wire		23
190—	hex head bolts or set screws BA BSF BSW		24
19—	ditto UNF UNC		25

390—	machine screws BA BSF		26
39—	ditto UNF UNC		27
	ditto amended	Jan'63	
39—	ditto (not officially released)		27A
490—	thread cutting screw BA BSW		28
49—	ditto UNF UNC Type 25	5/2/64	29
590—	SEMS screws BA BSF		30
69—	rivets solid semi-tubular and bifurcated	5/2/64	31
79—	wood screws		32
Group A	Group no. conversions machine screws (original → revised) summary of part no. conversions. List shows location in old standards manuals	Jun'63	3 sheets
Group B			5 sheets
Group C			6+2 sheets
Group D			9 sheets
Group E			10+1 sheets
Group E	ditto (advance copies not officialy released) summary of million series Group nos. to old part nos. (new → old)		10+3 sheets
Group A+B			10+2 sheets
Group C			11+1 sheets
Group D			10 sheets (some missing)
Group E	hand written (advance copies) (advance copies) (blank sheets)		10 sheets
Group F (misc)	fan belts		2 sheets
Group F (misc)	sparking plugs		11 sheets
Group F (misc)	nylon tube assys keys, ignition door etc. page deleted	Aug'63	4 sheets
Group F	plain cylindrical sintered bushed		
Group D	rivets (blind assy)	Nov'63	
Group D	cup plugs	Nov'63	
Group F	sealing discs		
Group F	spring and ball latches		
Group A+B	summary of million series Group nos. and old part nos.		sheet 12
Group A+B	9217—, 9784—		reverse side
Group A+B	9217—		
Group A+B	9784—		
Group C	9070—		
Group C	9090—		
Group C	9102—		
Group C	9107—		

## 11 Acknowledgements

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