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**B. U. T.**

**SPARE PARTS  
CATALOGUE**

**SELF-CHANGING GEARS LTD  
SECTION**

**BRITISH RAILWAYS**



Vehicle Nos.	B.R. Lot No.	B.U.T. D.T.O. No.	Builder	No. of Cars	Equipments per Car	Gearboxes				Final Drives	
						No. 1 Position		No. 2 Position		Type & List No.	
						Type	List No.	Type	List No.		
E50246- E50248	30339	1/12	Met. Cam.	3	2	R14	5715	R14	5713	—	—
E50249	30505	1/40	Cravens	1	2	R14	6321 or 6726	R14	6321 or 6726	—	—
E50250- E50259	30266	1/12	Met. Cam.	10	2						
E50260- E50269	30267	"	"	10	"						
E50270- E50279	30268	"	"	10	"	R14	5715	R14	5713	—	—
E50280- E50289	30338	"	"	10	"						
E50290- E50296	30270	"	"	7	"						
M50303- M50320	30275	1/12	"	18	"						
M50321- M60338	30276	"	"	18	"						
SC50339- SC50347	30278	1/16	Glos. C.&W.	9	"						
M50348- M50358	30278	"	"	11	"						
E50359- E50370	30280	1/14	Cravens	12	"	R14	5713	R14	5715	—	—
E50371- E50372	30280	"	"	2	"						
E50373- E50389	30282	"	"	17	"						
E50390- E50394	30284	"	"	5	"						
M50395- M50414	30286	1/17	Park Royal	20	2	R14	5753	R14	5752	—	—
E50415- E50419	30288	1/15	Wickams	5	2	R14	5713	R14	5715	—	—
M50420- M50423	30290	1/13	Birm. R.C.W.	4	2						
M50424- M50427	30291	"	"	4	"						
M50428- M50479	30293	"	"	52	"						
M50480- M50531	30294	"	"	52	"	R14	5715	R14	5713	—	—
M50532- M50541	30296	"	"	10	"						
E50542- E50583	30298	"	"	42	"						
E50584- E50593	30301	"	"	10	"						
E50594-											

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						No. 1 Position		No. 2 Position		Type & List No.	
						Type	List No.	Type	List No.		
E50598	30404	1/13	Birm. R.C.W.	5	2	R14	5715	R14	5713	—	—
E50599- E50624 M50625- M50629	30406 30407	1/30 "	Derby C.&W. "	26 5	2 "	R14	6297 or 6730	R14	6297 or 6730	—	—
E50630- E50646	30408	"	"	17	"						
W50647- W50695 W50696- W50744 E50745- E50751	30334 30335 30271	1/22 " 1/12	Swindon " Met. Cam.	49 49 7	2 " "	R14	5715	R14	5713	—	—
M50752- M50784 M50785- M50817	30352 30353	1/21 "	Cravens "	33 33	2 "	R14	5713	R14	5715	—	—
W50818- W50858 W50859- W50861 W50862- W50870 W50871- W50911 W50912- W50914 W50915- W50923 M50924- M50935	30363 " " " 30364 " " " 30460	1/23 " " " " " " " 1/38	Derby C.&W. " " " " " " "	41 3 9 41 3 9 12	2 " " " " " " "	R14	5753	R14	5752	—	—
SC50936	30413	1/34	Swindon	1	2	R14	5715	R14	5713	—	—
M50938- M50987	30465	1/38	Derby C.&W.	50	2	R14	5753	R14	5752	—	—
SC51008- SC51029 SC51030- SC51051	30413 30414	1/34 "	Swindon "	22 22	2 "	R14	5715	R14	5713	—	—
W51052- W51079 W51080- W51107	30421 30422	1/25 "	Glos. C.&W. "	28 28	2 "	R14	6297	R14	6297	—	—
SC51108- SC51127	30444	1/27	"	20	2	R14	5713	R14	5715	—	—

Vehicle Nos.	B.R. Lot No.	B.U.T. D.T.O. No.	Builder	No. of Cars	Equipments per Car	Gearboxes				Final Drives			
						No. 1 Position		No. 2 Position		Type & List No.			
						Type	List No.	Type	List No.				
W51128- W51140 W51141- W51153	30446 30447	1/23 ..	Derby C.&W. ..	13 13	2 ..	R14	5753	R14	5752	—	—		
M51174- M51203 E51204- E51223 SC51224- SC51253 E51254- E51301	30467 .. .. 30469	1/31 .. .. 1/33	Met. Cam. .. .. Cravens	30 20 20 48	2 .. .. ..		6321 or 6726	R14	6321 or 6726	—	—		
W51302- W51316 W51317- W51331 W51332- W51373 W51374- W51415	30543 30545 30546 30548	1/41 .. .. ..	Pressed Steel .. Birm.R. C.&W. ..	15 15 42 42	2 .. .. ..			R14	6297 or 6730	6297 or 6730	—	—	
M51416- M51424 E51425- E51444 SC51445- SC51470 E51471- E51472 SC51473- SC51494 E51495- E51514 SC51515- SC51540	30498 30500 .. 30503 .. 30501 ..	1/49 1/39 .. 1/40 .. 1/39 ..	Derby C.&W. Met. Cam. .. .. Cravens .. .. .. ..	9 20 26 2 22 20 26	2 .. .. .. .. .. ..			R14	6321 or 6726	R14	6321 or 6726	—	—
E51541- E51550 E51551- E51560	30508 30509	1/44 ..	Met. Cam. ..	10 10	2 ..	SE4	7002	SE4	7002	—	—		
M51561- M51572	30461	1/38	Derby C.&W.	12	2	R14	5753	R14	5752	—	—		
W51573- W51581 W51582- W51590	30515 30516	1/56 ..	Swindon ..	9 9	2 ..	R14	6321 or 6726	R14	6321 or 6726	—	—		
M51591- M51650	30521	—	Derby C.&W.	60	2	—	—	—	—	RF28	(1st.30) 7000 (Last 30) 7008		

Vehicle Nos.	B.R. Lot No.	B.U.T. D.T.O. No.	Builder	No. of Cars	Equipments per Car	Gearboxes				Final Drives	
						No. 1 Position		No. 2 Position		Type & List No.	
						Type	List No.	Type	List No.		
M51651- M51680	30530	1/50	Derby C.&W.	30	2	SE4	7027	SE4	7027	RF28	6489
M51681- M51705 M51706- M51730	30533 30534	1/43 ..	Cravens ..	25 25	1 ..	SE4	6924	—	—	RF28	6489
M51731- M51755 M51756- M51780	30535 30536	1/48 ..	.. ..	25 25	1 ..	—	—	—	—	RF28	7008
SC51781- SC51787 SC51788- SC51794	30559 30560	1/51 ..	Swindon ..	7 7	2 ..	R14	5715	R14	5713	—	—
SC51795- SC51801	30587	1/39	Met. Cam.	7	2	R14	6321 or 6726	R14	6321 or 6726	—	—
SC51802- SC51808	30588	..	..	7	..						
E51809- E51828 E51829- E51848	30592 30593	1/52 ..	Birm.R. C.&W. ..	20 20	2 ..	SE4	7002	SE4	7002	—	—
M51849- M51860 M51861- M51900	30595 30598	1/50 ..	Derby C.&W. ..	12 40	2 ..	SE4	7027	SE4	7027	RF28	6489
M51901- M51950	30601	1/54	..	50	2	R14	6321 or 6726	R14	6321 or 6726	—	—
E51951- E51967 E51968- E51984	30603 30604	1/53 ..	Swindon ..	17 17	2 ..	SE4	7027	SE4	7027	RF28	7343
SC51985- SC52010 SC52011- SC52036	30610 30612	1/55 ..	Derby C.&W. ..	26 26	2 ..	R14	6297	R14	6297	—	—
M52037- M52065	30660	1/54	..	29	2	R14	6321 or 6726	R14	6321 or 6726	—	—

Vehicle Nos.	B.R. Lot No.	B.U.T. D.T.O. No.	Builder	No. of Cars	Equipments per Car	Gearboxes				Final Drivers	
						No. 1 Position		No. 2 Position		Type & List No.	
						Type	List No.	Type	List No.		
M52066- M52075 M52076- M52085	30691 30692	1/64	Birm.R. C.&W. " "	10 10	2 "	SE4	7002	SE4	7002	—	—
W52086- W52095 W52096- W52105	30703 30704	1/69	Swindon "	10 10	2 "	SE4	7207 or 7725	SE4	7207 or 7725	RF28	7726
W55000- W55019	30419	1/25	Glos. C.&W.	20	2	R14	6297	R14	6297	—	—
W55020- W55035	30518	1/57	Pressed Steel	16	2	R14	6321 or 6726	R14	6321 or 6726	—	—
M55987- M55990 W55991- W55996	30552 30551	1/45 "	Glos. C.&W. " "	4 6	2 "	SE4	6721	SE4	6721	RF28	6489
W55997- W55999	30418	1/20	Cravens	3	2	R14	5709	R14	5711	—	—
W79083- W79090 W79091- W79094 SC79095 SC79096- SC79111	30196 30200 30196 30200	1/6 " " "	Swindon " " "	8 4 1 16	2 " " "	R14	5709	R14	5711	—	—
M79118- M79126 M79127- M79136 E79137- E79140 M79141- M79143 M79144- M79149	30235 30240 " 30246 30201	1/7 and 1/11	Derby C.&W. " " "	9 10 4 3	2 " " "	R14	5709	R14	5711	—	—
SC79155- SC79168 M79169- M79181 M79184- M79188 M79189- M79193	30199 30321 30324 30325	1/6 1/11B 1/11B "	Swindon Derby C.&W. Derby C.&W. "	14 13 5 5	2 " " "	R14	5709	R14	5711	—	—

Vehicle Nos.	B.R. Lot No.	B.U.T. D.T.O. No.	Builder	No. of Cars	Equipments per Car	Gearboxes				Final Drivers	
						No. 1 Position		No. 2 Position		Type & List No.	
						Type	List No.	Type	List No.		
M79900	30380	1/11B	Derby C.&W.	1	2						
M79901	30387	"	"	1	"	R14	5709	R14	5711	—	—
SC79970	30480	1/32	Park Royal	1	1						
M79971-	"	"	"	3	"						
M79973	"	"	"	1	"	R14	6253	—	—	—	—
SC79974			A.C. Cars	4	"						
W79975-	30479	1/26	"	1	"						
W79978	"	"	"								
SC79979											

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## NUMERICAL INDEX OF PART NUMBERS

### SELF-CHANGING GEARS LTD. TYPE R.14. GEARBOX

FOR

### B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS

List Nos. 6726, 6321, 6297, 6253, 5753, 5752, 5715, 5713, 5711, 5709.

S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page
4306/1	9/15/95708	6	36127	9/15/95350	2	37754	9/15/95388	11
4307/1	9/15/95715	6	36143	9/15/95731	9	37755	9/15/95382	11
4488	9/15/95967	3	36144	9/15/93090	9	37756	9/15/95389	11
9545	9/15/95733	2	36145	9/15/95360	2	37791	9/15/95980	3
13834	9/15/95697	1	36146	9/15/95365	2	38832		10
17301		2	36147	9/15/95829	9	39064	9/15/93285	10
17328		1	36220	9/15/95939	5	39170		11
17330		6,9	36305		5	39785	9/15/93237	10
17359		10	36403		5	40032	9/15/93056	10
17944	9/33/15132	10	36406	9/15/93054	6	43841	9/15/95874	7
19069		2	36421	9/15/95595	12	43842	9/15/95875	7
21071	9/15/95981	3	36422	9/15/95663	12	43843	9/15/95876	7
22935		1	36423	9/15/95649	12	43844	9/15/95690	5
23399	9/15/95385	11	36424	9/15/95599	12	43845	9/15/93246	9
25287		2	36425	9/15/95608	12	43846	9/15/93247	9
26256	9/15/95898	9	36426	9/15/95587	12	43847	9/15/93248	9
26257	9/15/95899	9	36427	9/15/95645	12	43848	9/15/93250	9
26258	9/15/95900	9	36428	9/15/95593	12	44029		12
27287	9/15/99695	11	36429	9/15/95597	12	45409		2
28730		1	36430	9/15/95613	12	45835		2
30030	9/43/32715	5	36431	9/15/95606	12	48591	9/15/93393	12
32134	9/15/95707	9	36432	9/15/95600	12	48593	9/15/93394	12
32616/1	9/15/99693	11	36433	9/15/95598	12	48594	9/15/93403	12
32616/2	9/15/99694	11	36434	9/15/95607	12	48595	9/15/93404	12
34878	9/15/93356	6	36435	9/15/95611	12	48596	9/15/93395	12
35239	9/15/95705	9	36436	9/15/95583	12	48597	9/15/93396	12
35240	9/15/96022	9	36438	9/15/93406	12	48598	9/15/93402	12
35903	9/15/96035	10,11	36475	9/15/95355	2	48599	9/15/93398	12
36004/4	9/15/95711	6	36477	9/15/95957	10,11	48600	9/15/93397	12
36006/3	9/15/95710	6	36479	9/15/95030	10	48601	9/15/93399	12
36055/1	9/15/95713	6	36614	9/15/99697	11	48602	9/15/93401	12
36055/5	9/15/95718	6	36615	9/15/99696	11	48603	9/15/93400	12
36103	9/15/95940	5	36952	9/15/95391	10	48825		4
36105	9/15/95693	1	36993	9/15/95755	2	50938	9/15/95737	2
36106	9/15/95523	9	36994	9/15/94464	2	135819	9/33/95554	5
36107	9/15/95390	1,10	36995	9/15/95008	2	230980	9/15/95686	6
36108	9/15/95670	2	36996	9/15/94455	2	230981	9/15/95683	6
36109	9/15/95946	2	36999	9/15/93018	2	231732	9/43/49127	7
36110	9/15/95625	2	37000	9/15/93343	2	232018	9/15/95854	2
36111	9/15/94832	10	37420	9/15/95966	5	232470	9/15/95636	2, 10
36112	9/15/95941	10	37428	9/15/99692	11	240919	9/15/95582	2, 5, 8
36113	9/15/95397	10	37748	9/15/95678	5	245210	9/43/49003	4
36114	9/15/94940	10	37749	9/15/95852	9	270222	9/43/49009	3

GEARBOX S.C.G. Section Type R.14

S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page
272920		2	500096	9/15/95890	8	506662	9/15/95691	5
282038	9/15/95815	7	500097	9/15/95663	1	506664	9/15/95689	5
298311/15	9/15/95688	6	500098	9/15/95847	8	506665	9/15/95610	1
298809		1	500099	9/15/95848	8	506666	9/15/95562	1
299444	9/15/95910	7	500100	9/15/95893	8	506684	9/15/95841	9
299942	9/15/95557	5	500102	9/15/95812	8	506685	9/15/95828	9
299989		1,7,10	500103	9/15/95892	8	507191	9/15/95570	5
299991		1	500108	9/15/95904	7	507310	9/15/95571	2
500029	9/15/95965	5	500112	9/15/95835	9	507311		2
500030	9/15/95964	5	500113	9/15/95827	9	508057	9/15/95754	2
500035	9/15/93037	5	500114	9/15/95869	8	508078	9/15/95760	7
500041	9/15/95942	5	500116	9/15/95772	8	508186	9/15/96027	3
500044	9/15/95951	4	500118	9/15/96031	5	508481	9/15/95916	2
500045	9/15/95968	3	500121	9/15/95824	7	508482	9/15/95917	2
500046	9/15/95931	5	500123	9/15/95766	7	508544	9/15/95849	9
500048	9/15/96005	4	500124	9/15/95865	8	508971	9/15/95681	6
500049	9/15/96010	4	500125	9/15/95984	3	508975	9/15/96016	4
500050	9/15/96011	4	500131	9/15/95936	4	508981	9/15/95765	7
500051	9/15/95962	4	500133	9/15/95944	4	508985	9/15/95686	5
500052	9/15/95975	3	500134	9/15/96018	4	508986	9/15/95913	8
500055	9/15/96008	4	500140	9/15/95943	3	508987	9/15/95882	8
500056	9/15/96003	4	500142	9/15/96028	2	508992	9/15/95740	7,10
500060	9/15/95977	3	500143	9/15/95549	1	509108	9/95/95529	2
500061	9/15/95976	3	501198	9/15/95985	3	509113		1
500062	9/15/95961	4	501199	9/15/95994	3	509114		1
500063	9/15/95933	3	505461	9/15/95860	8	509115		1
500064	9/15/96004	4	505577	9/15/95450	11	509119	9/15/95768	7
500065	9/15/95970	3	505581	9/15/95945	2	509121	9/15/95769	7
500066	9/15/96034	4	505618	9/15/95564	5	509122	9/15/96019	4
500067	9/15/95930	5	505619	9/15/95620	5	511365	9/15/95851	1
500068	9/15/95972	3	505760	9/15/95687	5	511570	9/15/95881	1
500069	9/15/95971	3	505762	9/43/6756	3	513147	9/15/95539	1
500070	9/15/95762	7	505764	9/43/943	4	513490		1
500071	9/15/95767	7	505765	9/43/30900	5	513491	9/15/95634	5
500072	9/15/95870	8	506621	9/15/95877	1	513492	9/15/95630	1
500073		8	506622	9/15/95537	1	513493	9/15/95631	1
500074		8	506623	9/15/95820	1	517521	9/15/96012	10,11
500075	9/15/95883	8	506631	9/15/95887	7	518315	9/15/96013	5
500076	9/15/95861	8	506632	9/15/95886	7	518525/24	9/15/95041	5
500077	9/15/95896	7	506633	9/15/95700	5	518754	9/15/95950	4
500078	9/15/95932	3	506634	9/15/95885	7	518783	9/15/95949	4
500080	9/15/95906	8	506637	9/15/95857	7	520458	9/15/95527	2
500081	9/15/95905	8	506638	9/15/95858	7	520459		2
500083	9/15/95855	7	506639	9/15/95859	7	520460		2
500084	9/15/95866	7	506640	9/15/95684	5	520461		1
500085	9/15/95907	7	506641	9/15/95878	1	520463	9/15/95530	2
500086	9/15/95884	8	506646		5	522313	9/15/96030	3
500087	9/15/95891	7	506649	9/15/95830	9	527699	9/15/93050	1
500088	9/15/95909	7	506654	9/15/95618	1,7	527703		1
500089	9/15/95908	7	506656	9/15/95955	5	529735	9/15/95560	5
500090	9/15/95867	7	506657	9/15/95645	2	529736	9/15/95567	5
500092	9/15/95843	7	506658	9/15/95704	5	529737	9/15/95580	5
500094	9/15/95810	8	506659	9/15/95591	5	529738	9/15/95561	5
500095	9/15/95773	8	506661	9/15/95713	4	529739	9/15/95568	5

GEARBOX S.C.G. Section Type R.14

S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page	S.C.G. Part No.	B.R. Cat. Part No.	Page
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529773	9/15/95553	5	554187		6	UFS 104/5		2
541793	9/15/95960	4	554188		6	UFS 108/6		1
541802	9/15/96032	4	554189		6	K 5735	9/33/20065	10,11
543833	9/15/96009	4	554190		6	K 5659		7
543834	9/15/96000	4	554437	9/15/93120	3	K 5661		5,8
544412	9/15/96007	4	560439		4	K 5667	9/33/20064	8
544688		5	A6295	9/15/95580	5, 12	K 5673		8
554049	9/15/93211	4	A6413	9/15/95647	12	K 5681		7
554050	9/15/95983	3	A6608		3	X 42629	9/15/95637	2,5,8
554175		6	A7257		2	X 75919		5,7
554176		6	A7450	9/15/95580	12	X 75920		5,7,8
554177		6	A7651		4	X 75922		10
554178		6	UFN 106/P		7,8,9	X 75949	9/15/93349	7,9
554179		6	UFN 108/P		9	X 75951	9/15/93351	1,2,10
554180		6	UFN 110/P		8	X 75962	9/33/75340	8,9
554181		6	UFN 405/P		4,7	X 75964	9/33/75338	10
554183		6	UFN 406/P		5,7	X 75966	9/33/75339	8

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# SPARE PARTS LIST

## SELF-CHANGING GEARS LTD. TYPE R.14. GEARBOX

FOR

### B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS

LIST Nos. 6726, 6321, 6297, 6253, 5753, 5752, 5715, 5713, 5711, 5709

Note : Gearbox type R.14 List No. 6726 is the modified version of, and completely interchangeable with List No. 6321

B.R. Cat. No.	S.C.G. Part No.	Illustrn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93050	527699		<b>Gearcase, complete</b> ... ..	All List		
9/15/95537	506622	1	Gearcase ... ..	Nos.	1	
	509113	2	" UNF stud x 1 $\frac{1}{4}$ " lg. special ... ..	"	1	
	509114		" UNF stud x 1 $\frac{3}{4}$ " lg. " ... ..	"	20	Inspection covers
	299989	3	" UNF stud x 2.2" lg. " ... ..	"	8	Output facing
	299991	4	" UNF stud x 2.4" lg. " ... ..	"	30	Bottom cover
	509114		" UNF stud x 2.4" lg. " ... ..	"	2	"
	509115	5	" UNF stud x 1.85" lg. " ... ..	"	5	"
	513490	6	" UNF stud x 2 $\frac{1}{4}$ " lg. " ... ..	"	10	Front cover
	509115		" UNF stud x 1.85" lg. " ... ..	"	2	"
9/15/95539	513147		" dowel x 1" lg. " ... ..	"	12	Mounting faces
	UFS 108/6	7	" UNF setscrew x $\frac{3}{4}$ " long ... ..	"	2	"
9/15/93351	X75951		" Kolok washer ... ..	"	3	"
				"	3	"
	527703		<b>Front cover, complete</b> ... ..	All List		
9/15/95549	500143	8	Front cover ... ..	Nos.	1	
	298809	9	" UNF stud x 1 $\frac{1}{2}$ " lg. special ... ..	"	1	
	509114	10	" UNF stud x 1 $\frac{3}{4}$ " lg. " ... ..	"	6	4th speed cylinder
				"	6	Oil pump
9/15/95610	506665	11	Inspection cover ... ..	"	1	Reverse speeds
9/15/95631	513493	12	Joint—cove. ... ..	"	1	Reverse speeds
9/15/95562	506666	13	Inspection cover ... ..	"	1	Forward speeds
9/15/95630	513492	14	Joint—cover ... ..	"	1	Forward speed
9/15/95878	506641	15	Cover plate ... ..	"	1	Rev. cylinder
9/15/95877	506621	16	Cover plate ... ..	"	1	Bottom of
				"	1	forward cylinders
9/15/95693	36105	17	Cover plate ... ..	"	1	Output end of gear case
	17328		$\frac{1}{4}$ " spring washer, single coil ... ..	"	4	Cover plate
9/15/95390	36107		$\frac{1}{4}$ " UNF bolt x $\frac{3}{4}$ " lg. ... ..	"	4	"
	22935	18	Name plate ... ..	"	1	
	28730		Drive screw, special ... ..	"	1	
9/15/95820	506623	19	Bottom cover & sump ... ..	"	1	
9/15/95881	511570	20	Magnetic drain plug ... ..	"	1	
9/15/95851	511365	21	Washer (plug), special ... ..	"	1	
9/15/95697	13834	22	Drain plug, $\frac{1}{2}$ " B.S.P. ... ..	"	1	
9/15/95618	506654	23	Dowel, hollow ... ..	"	2	
9/15/95663	500097	24	Tail pin $\frac{3}{8}$ " dia. ... ..	"	3	

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95527	520458	25	<b>Breather body assembly</b> ... ..	All List Nos.	1	
	520461		Breather plug ... ..	"	1	
	520459		Breather tube ... ..	"	1	
	520460		Air and oil separator ... ..	"	1	
9/15/95530	520463		Breather setscrew, special ... ..	"	1	
9/15/93351	X75951		Kolok washer, 1/2" dia. ... ..	"	1	
9/15/95529	509108		Washer (breather), 2 1/4" OD, 1 3/4" ID special... ..	"	1	Copper special
9/15/95946	36109	26	Oil seal housing ... ..	"	1	Input end
9/15/95625	36110	27	Oil seal housing ... ..	"	1	Output end
9/15/95945	505581	28	Intermediate bearing housing... ..	"	1	
	UFS104/5	29	Setscrew (housing), special ... ..	"	1	
9/15/95571	507310	30	<b>Dipstick complete</b> ... ..	"	1	
	507311		Dipstick ... ..	"	1	
	272920		Dipstick sleeve ... ..	"	1	
9/15/95582	240919	31	Adaptor—oil feed ... ..	"	2	
9/15/95645	506657	32	Union—oil feed... ..	"	1	
9/15/95637	X42629	33	Washer, 1 1/8" OD x 3/32" ID x 1/8" ... ..	"	1	Copper, special, Union
9/15/95737	50938		Oil filler plug ... ..	"	1	
9/15/95854	232018		Washer (plug), 2 1/2" OD x 2.062" ID ... ..	"	1	Copper special
9/15/95733	9545	34	Drain plug 1/4" BSP ... ..	"	3	
9/15/95636	232470	35	Washer, 0.95" OD x 0.53" ID copper special ... ..	"	6	4th Sp. cylinder Cover
9/15/95754	508057	36	Adaptor (inner) ... ..	"	3	
9/15/95733	9545		See Item 34 ... ..	"	1	
9/15/95636	232470		See Item 35 ... ..	"	2	
9/15/95670	36108	37	Bearing sleeve—output ... ..	"	1	
9/15/95916	508481		Restrictor valve—1st speed ... ..	"	1	
9/15/95917	508482		Restrictor valve (2nd & 3rd speed) ... ..	"	2	
9/15/95755	36993	38	Adaptor (air restrictors) ... ..	"	3	
9/15/95355	36475		Mounting bracket (front) ... ..	List 5713, 5715, 6726, 6253, 6321	1	
9/15/95350	36127	39	Mounting bracket (front) ... ..	List 5709-5711, 5752, 5753, 6297	1	
9/15/95360	36145	40	Mounting bracket (rear L.H.)... ..	All List Nos.	1	
9/15/95365	36146	41	Mounting bracket (rear R.H.) ... ..	"	1	
9/15/94464	36994		Rubber (front & rear mounting bkts.) ... ..	"	6	
9/15/95008	36995		Cover (front & rear mounting brkts.) ... ..	"	4	
9/15/94455	36996		Cover (rear mounting brkts.) ... ..	"	2	
9/15/93337	A7257		Locating tube and cover ... ..	"	2	
9/15/95016	45409		Distance piece (front mounting bkt.) ... ..	"	1	
9/15/93018	36999		3/4" BSF bolt (front & rear bkts.) x 5 1/2" lg. ... ..	"	3	
	17301		3/4" BSF slotted nut ... ..	"	3	
	25287		3/4" dia. washer, plain, steel ... ..	"	3	
9/15/93343	37000		3/4" dia. taper washer, steel, special ... ..	"	3	
	19069		Split pin 3/32" x 2" long ... ..	"	3	
	45835		Cover — (front mounting bkts.) ... ..	"	1	

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	A6608		<b>Input shaft complete ...</b>	All List		
9/15/96028	500142	42	Input shaft ...	Nos.	1	
9/15/96027	508186	43	Screwed plug—shaft ...	"	1	
9/15/95933	500063	44	Bush ...	"	1	Input shaft (rear)
9/15/95932	500078	45	Bush ...	"	1	Input shaft (front)
9/15/96030	522313	46	Sleeve ...	"	1	Input shaft
9/43/6756	505762	47	Input bearing ...	"	1	Hoff. '570'
9/15/95943	500140	48	Input bearing housing ...	"	1	
			<b>1st speed gear train complete ...</b>	All List		
9/15/95965	4488			Nos.	1	
9/15/95971	500069	49	Planet pinion ...	"	5	} Sub-assy. 508973 Hoff. Ref. RVEOP. 9/15/95969
9/15/95972	500068	50	Planet inner race, special ...	"	5	
9/43/49009	270222	51	Planet roller $\frac{3}{8}$ " x $\frac{3}{8}$ " long ...	"	140	
9/15/95970	500065	52	Spacing collar ...	"	15	
9/15/95980	37791	53	Output shaft ...	"	1	
9/15/95981	21071		Grub screw ...	"	1	
9/15/95975	500052	54	Plate ...	"	1	
9/15/95968	500045	56	Distance piece ...	"	5	
9/15/95976	500061	57	Rivet $\frac{3}{8}$ " dia., special ...	"	5	Steel
9/15/95977	500060		Rivet $\frac{3}{8}$ " dia., special ...	"	5	Steel
			<b>2nd speed gear train, complete ...</b>	All List		
9/15/93120	554437			Nos.	1	
9/15/95971	500069	58	Planet pinion ...	"	3	} Sub-assy. 508973 Hoff. Ref. RVEOP. 9/15/95969
9/15/95972	500068	59	Planet inner race, special ...	"	3	
9/43/49009	270222	60	Planet roller $\frac{3}{8}$ " x $\frac{3}{8}$ " long ...	"	84	
9/15/95970	500065	61	Spacing collar ...	"	9	
9/15/95984	500125	62	3rd speed annulus ...	"	1	
9/15/95983	554050	63	1st speed annulus ...	"	1	
9/15/95985	501198	64	Distance piece ...	"	6	
9/15/95994	501199	65	Rivet— $\frac{1}{2}$ " dia., special ...	"	6	Steel
9/15/95977	500060	66	Rivet— $\frac{3}{8}$ " dia., special ...	"	3	Steel

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95998	A7651		<b>3rd speed gear train, complete</b>	All List	1	
9/15/96004	500064	67	Planet pinion ... ..	Nos.	3	} Sub-assy. 508974 Hoff. Ref. RVEMI
9/15/96005	500048	68	Planet inner race, special ... ..	"	3	
9/43/49003	245210	69	Planet roller $\frac{1}{4}$ " x $\frac{1}{4}$ " long ... ..	"	126	
9/15/96003	500056	70	Spacing collar ... ..	"	12	
9/15/95999	48825	71	2nd speed annulus, nitrided ... ..	"	1	
9/15/96007	544412	72	Plate ... ..	"	1	
9/15/96000	543834	73	Distance piece ... ..	"	3	
9/15/96008	500055	74	Rivet— $\frac{1}{2}$ " dia., special ... ..	"	3	
9/15/96009	543833		Rivet— $\frac{5}{8}$ " dia., special ... ..	"	6	Steel
9/15/96032	541802	75	<b>3rd speed sunwheel &amp; brake drum, complete</b> ... ..	All List	1	
9/15/96034	500066		3rd speed sunwheel ... ..	Nos.	1	
9/15/95936	500131		3rd speed brake drum ... ..	"	1	
9/15/95949	518783	76	<b>Clutch inner member, complete</b> ... ..	All List	1	
9/15/95950	518754		Clutch inner member ... ..	Nos.	1	
9/15/95951	500044		Clutch plate—rear ... ..	"	1	
9/15/95952	507190		Rivet, $\frac{3}{8}$ " dia., special ... ..	"	6	Steel
9/15/95960	541793	77	<b>Clutch sliding panel, complete</b> ... ..	All List	1	
9/15/95961	500062		Clutch sliding panel ... ..	Nos.	1	
9/15/95962	500051		Inner plate—front ... ..	"	1	
9/15/95952	560439		Rivet, $\frac{3}{8}$ " dia., special ... ..	"	12	Steel
9/15/96010	500049	78	Clutch plate (inner) ... ..	"	4	
9/15/95713	506661	79	Return spring—4th speed ... ..	"	1	
9/15/96011	500050	80	Clutch plate (outer) ... ..	List	5	
				5709,5711, 5713,5715, 5752,5753, 6253,6297, 6321		
9/15/93211	554049		Clutch plate (outer) ... ..	List 6726	5	
9/15/96016	508975		<b>Trunnion ring, complete</b> ... ..	All List	1	
9/15/96018	500134	81	Trunnion ring ... ..	Nos.	1	
9/15/96019	509122	82	$\frac{7}{8}$ " UNF stud x 1" long, special ... ..	"	4	
9/43/943	505764	83	Bearing (clutch) ... ..	"	1	Hoff. 370 A.C.
9/15/95944	500133	84	Bearing housing ... ..	"	1	
	UFN405/P	85	Nut (trunnion ring), special $\frac{5}{8}$ " ... ..	"	4	
			Locking wire, 16 S.W.G. ... ..	"	As req'd.	

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95686	508985		<b>Clutch lever, complete</b> ... ..	All List Nos.	1	
9/15/95687	505760	86	Clutch operating lever ... ..	"	1	
9/15/95689	506664	87	Piston rod—4th Speed ... ..	"	1	
	506646		Pin, piston rod—operating lever ... ..	"	1	
9/15/95704	506658	88	Pivot pin (clutch lever) ... ..	"	1	
9/15/95690	43844	89	4th speed piston ... ..	"	1	
9/15/95684	506640	90	Cylinder liner—4th speed ... ..	"	1	
9/15/95965	500029	91	Pivot pin (clutch) ... ..	"	1	
9/15/95691	506662	92	Plate (spring) ... ..	"	1	
9/15/95591	506659	93	Cylinder cover ... ..	"	1	
9/15/95700	506633	94	'O' ring, Gaco Ref. R176 ... ..	"	1	4th speed
9/15/95678	37748		Gasket ... ..	"	1	For 4th speed cylinder cover
9/15/96013	500118	95	Clutch spring ... ..	"	6	
9/15/95966	37420	96	Spigot pin ... ..	"	6	For clutch spring
9/15/95964	500030	97	Clutch actuating pin ... ..	"	2	
9/15/93939	36220	98	Bearing collar ... ..	"	1	Intermediate
9/15/95940	36103	99	Bearing collar (thrust) ... ..	"	1	
	36305	100	Thrust bearing ... ..	"	1	Location bearing Hoffman L19 C.D. 'Loc'
9/43/32715	30030	101	Roller bearing ... ..	"	1	Fischer RUL19
9/15/95955	506656	102	Oil muff ... ..	"	1	
9/43/30900	505765	103	Intermediate bearing ... ..	"	1	Hoff. RXL 3½ L
9/15/95930	500067	104	Bush ... ..	"	2	3rd speed sunwheel
9/15/95931	500046	105	Bush ... ..	"	2	2nd & 3rd speed annulus
9/15/96013	518315	106	Split ring ... ..	"	Pair	
9/15/95553	529773		<b>Oil pump complete</b> ... ..	All List Nos.	1	
9/15/95560	529735	107	Oil pump casing ... ..	"	1	
9/15/95561	529738	108	Oil pump cover ... ..	"	1	
	500035		Bush, pump gear driving shaft cover, brass ... ..	"	1	
9/15/95564	505618	109	Ring dowel ... ..	"	2	
9/15/95580	529737	110	Pump gear and driving shaft ... ..	"	1	
9/15/95568	529739	111	Driven gear ... ..	"	1	
9/15/95578	529740	112	Gear spindle ... ..	"	1	
9/15/95554	135819	113	Bearing, special ... ..	"	1	BRL 015 '000' fit
9/15/95570	507191	114	Woodruff key, Woodruff No. 20 ... ..	"	1	
9/15/95567	529736	115	Pump drive gear ... ..	"	1	
	UFN406/P		¾" UNF Slotted nut ... ..	"	1	Pump gear shaft
	X.75920		Washer ¾" plain steel ... ..	"	1	"
	K.5661		Split pin, ¼" x 1" lg. ... ..	"	1	
	X.75919		⅝" washer, plain steel ... ..	"	4	
			16 s.w.g. locking wire ... ..	"	As req'd.	
9/15/95557	299942	116	⅝" UNF bolt x 1¼" long ... ..	"	2	
9/15/95558	544688	117	⅝" UNF setscrew, 0.875" long special ... ..	"	2	Head drilled
9/15/95942	500041	118	Gear—pump driving ... ..	"	1	
9/15/95634	513491	119	Joint—oil pump ... ..	"	1	
9/15/96041	518525/24	120	Adjuster washer, special ... ..	"	1	
9/15/95620	505619		Dowel ¼" dia. ... ..	"	2	Oil pump
9/15/95582	240919	121	Adaptor (oil feed) ... ..	"	2	
9/15/95637	X.42629		See Item 33 ... ..	"	2	



**GEARBOX** S.C.G. Section Type R14

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95580	A.6295	122	Filter complete ... ..	All List Nos.	1	Purolator PU334
	36403		$\frac{3}{8}$ " UNF bolt, $\frac{1}{8}$ " lg. ... ..	"	2	
	17330		$\frac{3}{8}$ " spring washer, single coil ... ..	"	2	
9/15/93356	34878		$\frac{1}{2}$ " BSP washer ... ..	"	2	Dowty 1307/D
9/15/95681	508971	123	<b>Oil inlet pipe, complete</b> ... ..	All List Nos.	1	
9/15/95688	298311/15		Oil inlet pipe ... ..	"	1	$\frac{1}{2}$ " o/dia.
9/15/95683	230981		Conical nipple ... ..	"	2	
9/15/95686	230980		Union nut ... ..	"	2	
9/15/95708	4306/1	124	<b>Aeroquip oil pipe hose, complete</b> ... ..	All List Nos.	1	Oil pump to filter
9/15/95713	36055/1		Flexible hose ... ..	"	1	12" long Aeroquip 501-8-12"
9/15/95711	36004/4		End fitting (straight) ... ..	"	1	Aeroquip 201-8
9/15/95710	36006/3		End fitting (90°) ... ..	"	1	Aeroquip 207-8
9/15/95715	4307/1	125	<b>Aeroquip oil pipe, complete</b> ... ..	All List Nos.	1	Filter to oil muff
9/15/95718	36055/5		Flexible hose ... ..	"	1	34" long Aeroquip 501-8-34"
9/15/95711	36004/4		End fitting (straight) ... ..	"	1	Aeroquip 201-8
9/15/93054	36406 Leyland Nos.		Pipe clip ... ..	"	2	
9/15/95780	554175		<b>Brake band and liners, complete</b> ... ..	All List Nos.	3	S.C.G. A5704
			Comprising:			
9/15/95800	554176	126	<b>Internal brake band, complete</b> ... ..	"	1 per assy.	S.C.G. A5702
9/15/95806	554178		Internal brake band ... ..	"	1 per assy.	S.C.G. 42540
9/15/95807	554180		Internal brake band liner ... ..	"	1 per assy.	S.C.G. 42538
9/15/95808	554183		Rivet, special tubular, copper ... ..	"	26 per assy.	S.C.G. 41386
9/15/95786	554177	127	<b>External brake band, complete</b> ... ..	All List Nos.	3	S.C.G. A5703
9/15/95790	554179		External brake band ... ..	"	1 per assy.	S.C.G. 42541
9/15/95791	554181		External brake liner ... ..	"	1 per assy.	S.C.G. 42539
9/15/95792	554186		Rivet, semi-tubular, copper ... ..	"	8 per assy.	$\frac{27}{64}$ " x No. 9 x $\frac{5}{16}$ " x $\frac{1}{32}$ " S.C.G. 41385
	554187		Rivet ... ..	"	8 per assy.	$\frac{1}{2}$ " x No. 9 x $\frac{5}{16}$ " x $\frac{1}{32}$ " S.C.G. 41394
9/15/95793	554188		Rivet ... ..	"	1 per assy.	$\frac{9}{16}$ " x No. 9 x $\frac{5}{16}$ " x $\frac{1}{32}$ " S.C.G. 41387
	554189		Rivet ... ..	"	1 per assy.	$\frac{7}{8}$ " x No. 9 x $\frac{5}{16}$ " x $\frac{1}{32}$ " S.C.G. 41399
9/15/95795	554190		Rivet ... ..	"	1 per assy.	$1\frac{3}{64}$ " x No. 9 x $\frac{5}{16}$ " x $\frac{1}{32}$ " S.C.G. 41388

GEARBOX S.C.G. Section Type R14

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95765	508981		<b>Cylinder block complete 1st, 2nd &amp; 3rd speeds</b> ... ..	All List Nos.	1	
9/15/95766	500123	128	Cylinder block ... ..	"	1	
9/15/95768	509119		$\frac{3}{8}$ " UNF stud x 1.4" lg. special ... ..	"	5	
9/15/95769	509121		$\frac{3}{8}$ " UNF stud x 1.65" lg. " ... ..	"	2	
	299989	129	$\frac{3}{8}$ " UNF stud x 2.2 lg. " ... ..	"	8	
9/15/95896	500077	130	Adjusting screw (brake bands) ... ..	"	3	
	UFN106/P		$\frac{3}{8}$ " UNF nut, hex. plain ... ..	"	3	Brake band adjusting screw
9/15/95760	508078		<b>Cam roller race, complete, special</b>	All List Nos.	3	
9/15/95762	500070	131	Cam roller—outer race, special ... ..	"	1 per assy.	
9/15/95767	500071	132	Cam roller—inner race, special ... ..	"	1 per assy.	
9/43/49127	231732	133	Needle roller ... ..	"	22 per assy.	3m/m x 19.8 m/m Hoff.
9/15/95824	500121	134	Cylinder block cover ... ..	"	1	
9/15/95618	506654		See item 23 ... ..	"	4	
9/15/95740	508992		$\frac{3}{8}$ " Csk. head screw, special ... ..	"	2	
	UFN406/P		$\frac{3}{8}$ " UNF slotted nut ... ..	"	7	
	X.75920		" Plain washer, steel ... ..	"	7	
			Locking wire, 16 s.w.g. ... ..	"	As req'd.	
9/15/95910	299444		Stud $\frac{3}{8}$ " UNF 1.6" long, special ... ..	"	1	Cylinder cover
9/15/95867	500090	135	Pin, special ... ..	"	3	Cam roller
	UFN405/P		$\frac{1}{8}$ " UNF slotted nut ... ..	"	3	
	X.75919		$\frac{1}{2}$ " Washer, plain steel ... ..	"	3	
	K.5659		Split pin $\frac{1}{2}$ " x $\frac{3}{4}$ " lg. ... ..	"	3	
9/15/95700	UFN106/P		$\frac{3}{8}$ " UNF nut, hex. plain ... ..	"	38	Cylinder covers
9/15/93349	X.75949		$\frac{3}{8}$ " Kolok washer ... ..	"	38	" "
9/15/95857	506637	136	Cylinder liner (1st speed) ... ..	"	1	
9/15/95858	506638	137	Cylinder liner (2nd speed) ... ..	"	1	
9/15/95859	506639	138	Cylinder liner (3rd speed) ... ..	"	1	
9/15/95885	506634	139	'O' ring (1st speed) "Gaco" R.183 ... ..	"	1	
9/15/95886	506632	140	'O' ring (2nd speed) "Gaco" R.167 ... ..	"	1	
9/15/95887	506631	141	'O' ring (3rd speed) "Gaco" R.158 ... ..	"	1	
9/15/95907	500085	142	Return spring (1st speed) ... ..	"	1	
9/15/95908	500089	143	Return spring (2nd speed) ... ..	"	1	
9/15/95909	500088	144	Return spring (3rd speed) ... ..	"	1	
9/15/95891	500087	145	Piston rod ... ..	"	3	
9/15/95866	500084	146	Pin—piston rod... ..	"	3	
9/15/95904	500108	147	Shaft ... ..	"	1	Operating lever
	K.5681		Split pin (shaft), $\frac{1}{8}$ " x $1\frac{1}{8}$ " lg. ... ..	"	2	
9/15/95855	500083	148	Operating lever ... ..	"	3	
9/15/95843	500092	149	Dowel— $\frac{1}{8}$ " dia. ... ..	"	3	Operating lever
9/15/95815	282038	150	Circlip $\frac{5}{8}$ " ext. dia. ... ..	"	6	Seeger No. 700
9/15/95874	43841	151	Piston, 1st speed ... ..	"	1	
9/15/95875	43842	152	Piston, 2nd speed ... ..	"	1	
9/15/95876	43843	153	Piston, 3rd speed ... ..	"	1	

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illustr. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95913	508986 500073	154	<b>Automatic adjuster table, complete</b> Automatic adjuster table ... ..	All List Nos.	3	
	500074		Pin for table ... ..	"	1 per assy. 1 per assy.	
9/15/95882 9/15/95884	508987 500086	155	<b>Automatic adjuster ring, complete</b> Automatic adjuster ring ... ..	All List Nos.	3	
9/15/95883	500075		Pin for ring ... ..	"	1 per assy. 1 per assy.	
9/15/95905	500081	156	Automatic adjuster spring ... ..	"	3	
9/15/95892	500103	157	Pull rod ... ..	"	3	
9/15/95870	500072	158	Pin—(pull rod), special ... ..	"	3	
9/15/95861	500076	159	Nut—(pull rod), special ... ..	"	3	
9/15/95865	500124	160	Thrust pad ... ..	"	3	
9/15/95847	500098	161	Hook—rear ... ..	"	3	
9/15/95848	500099	162	Hook—front ... ..	"	3	
9/15/95860	505461	163	Link (internal band) ... ..	"	3	
9/15/95775	500095	164	Eye bolt ... ..	"	10	Hooks & links
9/15/95864	UNF110/P		" UNF nut, hex. plain ... ..	"	10	
9/33/75339	X.75966	165	" washer, double coil spring ... ..	"	10	Hooks & links Fulcrum rods
9/15/95890	500096		Fulcrum rod ... ..	"	2	
	K.5673	166	Split pin $\frac{3}{32}$ " x $1\frac{1}{8}$ " lg. ... ..	"	4	Links Link pin
9/15/95869	500114		Pin, special ... ..	"	3	
9/33/20064	K.5667		Split pin $\frac{5}{64}$ " x 1" lg.... ..	"	6	
9/15/95810	500094	167	Centralizer, near side ... ..	"	3	
9/15/95812	500102		Centralizer, off side ... ..	"	3	
9/15/95893	500100	168	Centralizer rod ... ..	"	2	Centralizers
9/15/95906	500080	169	Centralizer spring ... ..	"	6	
9/15/95772	500116	170	Eye bolt ... ..	"	10	
	UNF106/P		" UNF nut, hex. plain ... ..	"	10	
9/33/75340	X.75962		" washer, double coil spring ... ..	"	10	Rods
	X.75920		" plain washer, steel ... ..	"	4	
	K.5661		Split pin, $\frac{1}{16}$ " x 1" lg. ... ..	"	4	
9/15/95582	240919		See item 31 ... ..	"	1	
9/15/95637	X.42629		See Item 33 ... ..	"	1	

GEARBOX S.C.G. Section Type R14

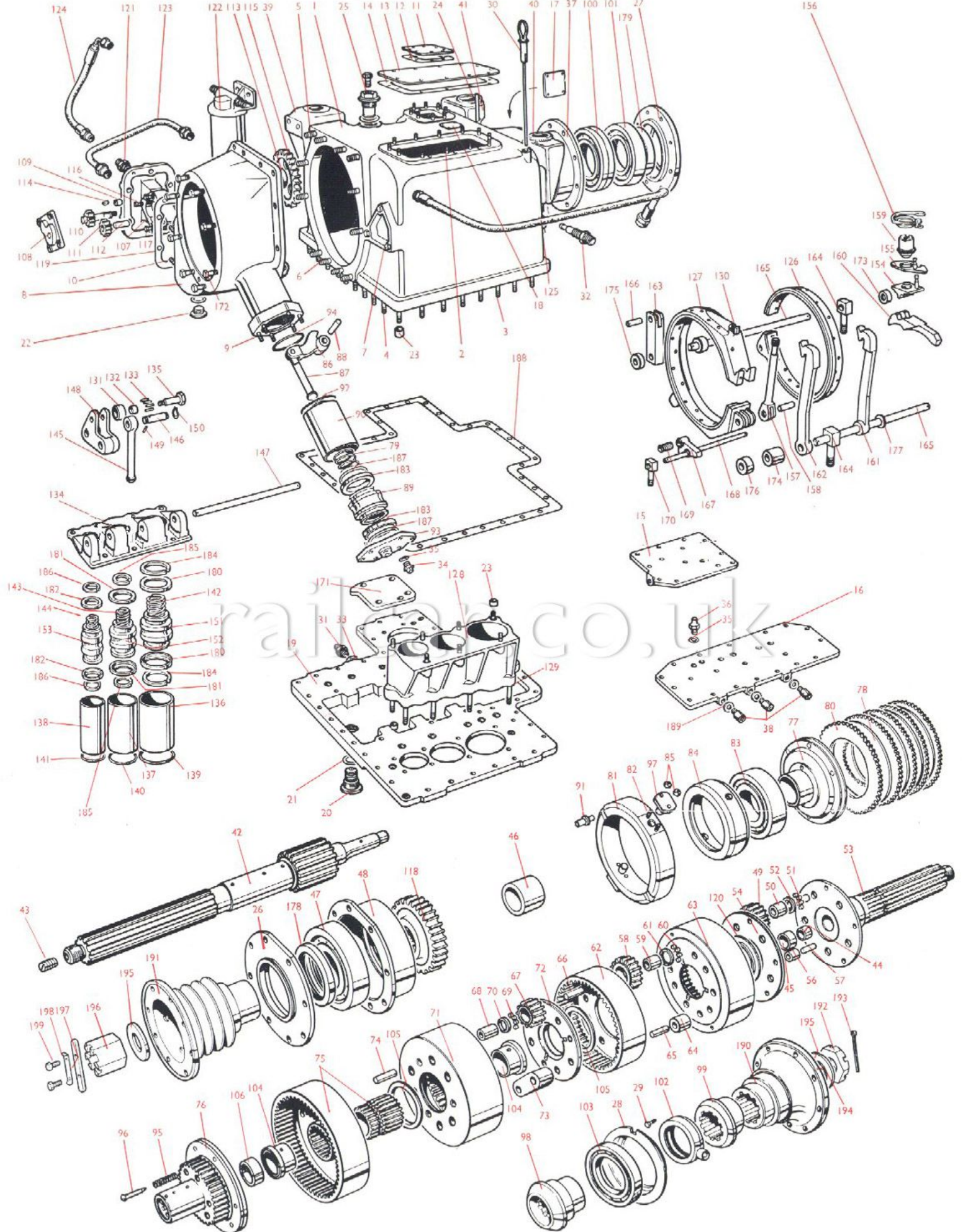
B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95731	36143	171	Blanking plate ... ..	All List	1	Rev. cyl. block
9/15/93090	36144		Gasket ... ..	Nos.	1	Rev. cyl. block
9/15/95852	37749		Gasket ... ..	"	1	1st, 2nd & 3rd speed cyl. covers
9/15/95523	36106	172	$\frac{3}{8}$ " UNF bolt x $1\frac{1}{4}$ " long ... ..	"	8	Input seal housing
	17330		$\frac{3}{8}$ " spring washer, single coil ... ..	"	8	"
9/15/95829	36147	173	Distance piece ... ..	"	1	Rev. hook
9/15/95835	500112	174	Distance piece (1.385" lg.) ... ..	"	1	Hooks & links
9/15/95828	506685		Distance piece (.793" lg.) ... ..	"	2	"
9/15/95827	500113	175	Distance piece (.462" lg.) ... ..	"	2	"
9/15/95841	506684	176	Distance piece (.685" lg.) ... ..	"	1	"
9/15/95830	506649	177	Distance piece (.104" lg.) ... ..	"	3	"
9/15/96022	35240	178	Oil seal, Superfect DA475316 ... ..	"	1	Output shaft
9/15/95705	35239	179	Oil seal " DA52548 ... ..	"	1	Input shaft
9/15/95898	26256	180	Piston seal, Dowty PD2850/313 ... ..	"	2	1st speed
9/15/95899	26257	181	Piston seal " PD2850/304 ... ..	"	2	2nd speed
9/15/95900	26258	182	Piston seal " PD2850/310 ... ..	"	2	3rd speed
9/15/95707	32134	185	Piston seal " PD2850/308 ... ..	"	2	4th speed
9/15/93246	43845	184	Retaining ring ... ..	"	2	1st speed
9/15/93247	43846	185	Retaining ring ... ..	"	2	2nd speed
9/15/93248	43847	186	Retaining ring ... ..	"	2	3rd speed
9/15/93250	43848	187	Retaining ring ... ..	"	2	4th speed
9/15/95849	508544	188	Joint ... ..	"	1	Bottom cover
9/15/95700	UFN106/P		$\frac{3}{8}$ " UNF nut, hex. plain ... ..	"	6	Oil pump
9/15/95700	UFN106/P		$\frac{3}{8}$ " UNF nut, hex. plain ... ..	"	8	Output brg. hsg.
"	"		" ... ..	"	18	Bottom cover
"	"		" ... ..	"	20	Inspection covers
"	"		" ... ..	"	38	Cylinder covers
9/15/93349	X.75949		$\frac{3}{8}$ " Kolok washer ... ..	"	20	Inspection covers
"	"		" ... ..	"	38	Cylinder covers
9/33/75340	X.75962		$\frac{3}{8}$ " Thackeray washer ... ..	"	8	Output brg. housing
9/33/75340	"		" ... ..	"	6	Oil pump
9/33/75340	"		" ... ..	"	18	Bottom cover
	UFN108/P		$\frac{1}{2}$ " UNF nut, hex. plain ... ..	"	10	Front cover
	"		" ... ..	"	12	Mounting brackets

**GEARBOX** S.C.G. Section Type R14

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/33/75338	X.75964		$\frac{1}{2}$ " Thackeray washer ... ..	All List	10	Front cover Mounting brackets
9/15/93351	X.75951		$\frac{1}{2}$ " Kolok washer ... ..	Nos.	12	
	UFN408/P X.75922		$\frac{1}{2}$ " UNF slotted nut ... ..	"	2	Front cover
			$\frac{1}{2}$ " washer—plain ... ..	"	2	"
9/15/95740	508992		$\frac{3}{8}$ " UNF Csk. head screw, 1.6" long, special ... ..	"	1	Blanking plate 36143
	299989		$\frac{3}{8}$ " UNF stud x 2.2" lg. special ...	"	4	"
9/15/95636	232470	189	Copper washer, 0.95" OD x 0.53" ID copper special ... ..	"	3	Air inlet adaptor 36993
9/15/94832	36111		Input coupling ... ..	List	1	2 groove
9/15/95941	36112	190	Output coupling ... ..	5709,5711 List	1	
				5709, 5711, 5713,5752, 5715,5753, 6253,6297, 6321,6726		
9/15/95030	36479		Input coupling ... ..	List	1	4 groove
				5713,5752, 5715,5753		
9/15/93056	40032		Input coupling ... ..	List 6297, 6321, 6726	1	2 groove
	38832		Input coupling ... ..	List 6253	1	4 groove
9/15/95397	36113	191	Pulley—output ... ..	List 5711, 5715, 5753	1	4 groove
9/15/94940	36114		Retainer strip ... ..	"	8	
9/15/95390	36107		$\frac{1}{4}$ " UNF bolt x $\frac{3}{4}$ " lg. ... ..	"	8	Pulley
9/15/95391	36952		$\frac{3}{8}$ " BSF bolt x $1\frac{1}{8}$ " lg. ... ..	"	8	Coupling
9/33/15132	17944		$\frac{3}{8}$ " BSF slotted nut ... ..	"	8	"
	17359		$\frac{3}{16}$ " split pin x $\frac{3}{4}$ " lg. ... ..	"	8	"
9/15/93237	39785		Pulley—input ... ..	List	1	4 grooves
				6297,6321, 6726		
9/15/93285	39064		$\frac{1}{4}$ " UNF screw—90° Csk. head x $\frac{9}{16}$ " lg.	"	4	Special
9/15/96035	35903		See item 195 ... ..	List	2	Couplings
				6726		
9/15/95957	36477		Nut, 1.25" dia., 12 UNF-2B, special ...	"	1	Coupling
9/33/20065	K.5735		See item 193 ... ..	"	1	"
9/15/96012	517521		See item 194, special ... ..	"	1	"

**GEARBOX S.C.G. Section Type R14**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95450	505577	192	Nut, special ... ..	List 5709-5711	1	Coupling
9/33/20065	K.5735	193	Split pin, $\frac{7}{32}$ " x 3" lg. ... ..	"	2	"
9/15/96012	517521	194	'O' ring, special ... ..	"	1	"
9/33/20065	K.5735		See item 193 ... ..	List 5713,5715, 5752,5753, 6253,6297, 6321	1	Coupling
9/15/96012	517521		See item 194, special ... ..	"	1	"
9/15/96035	35903	195	Washer, 2.625" dia. special with rubber inset ... ..	List 5709,5711, 5713, 5715, 5752,5753, 6253,6297, 6321	2	Output couplings
9/15/95957	36477		Nut, 1.25" dia., 12 UNF-2B special ...	"	1	"
	39170	196	Nut, 1.25" dia. 12 UNF special, 2.875" long ... ..	List 6253	1	Couplings
9/15/95382	37755	197	Locking bar ... ..	"	1	
9/15/95389	37756	198	Tabwasher, special ... ..	"	1	Coupling
9/15/95385	23399	199	$\frac{1}{4}$ " BSF bolt x $\frac{5}{8}$ " lg. ... ..	"	2	
9/15/95388	37754		Nut, special ... ..	List 6726,5715, 5752,5753, 6297,6321	1	Coupling
9/15/95382	37755		See item 197 ... ..	"	1	
9/15/95389	37756		See item 198 ... ..	"	1	
9/15/23399	23399		See item 199 ... ..	"	2	
9/15/99695	27287		Adjusting tool ... ..	All List Nos.	1	All speeds
9/15/99693	32616/1		Toggle setting gauge ... ..	"	1	1st & 2nd speed
9/15/99694	32616/2		" ... ..	"	1	3rd speed
9/15/99697	36614		Drain plug tool ... ..	"	1	Front cover
9/15/99696	36615		" ... ..	"	1	Bottom cover
9/15/99692	37428		Extractor tool ... ..	"	1	Bearing housings



**OLD TYPE FILTER**

**GEARBOX S.C.G. Section Type R14**

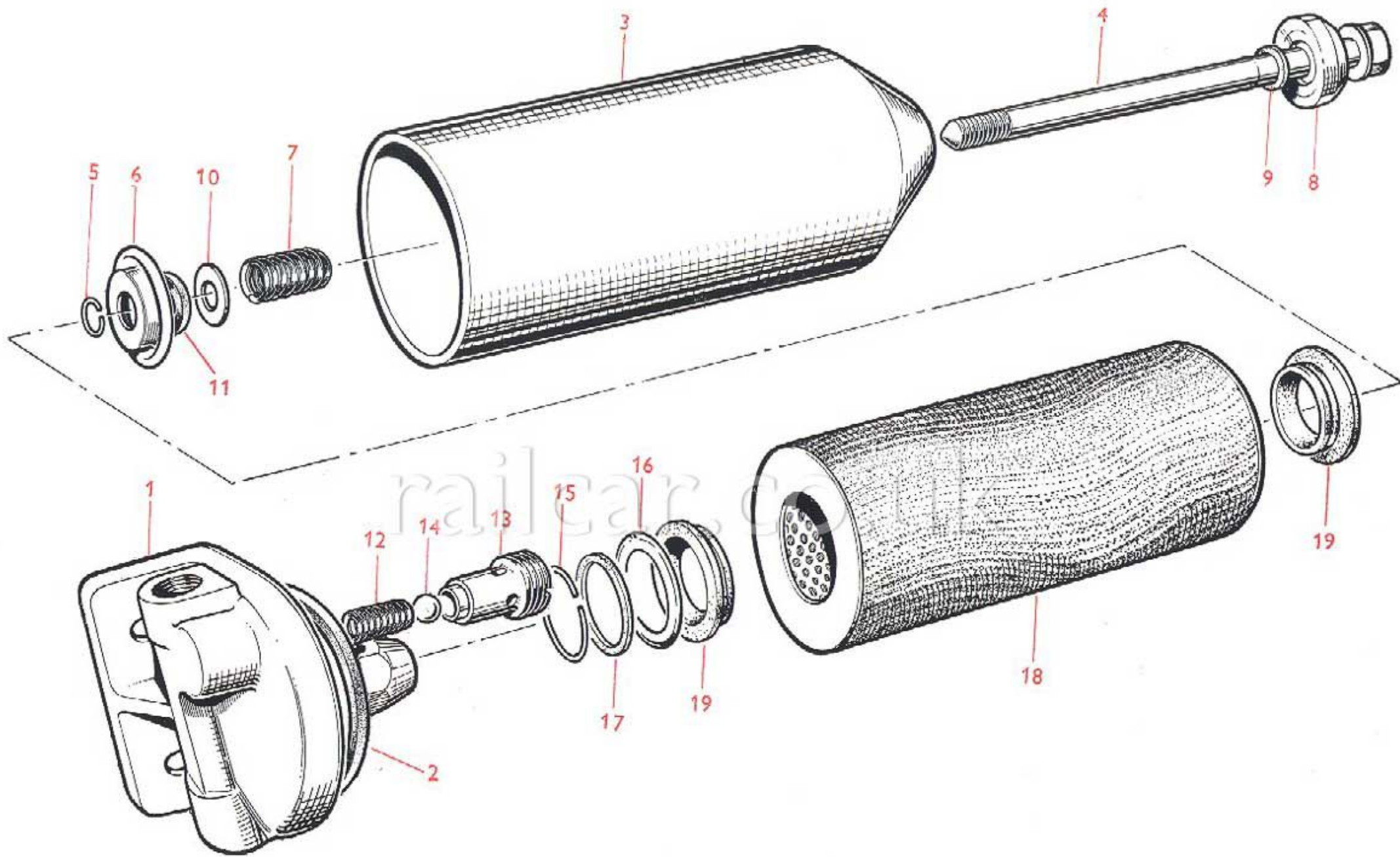
B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95580	A6295		<b>Filter complete</b> ... ..	All List	1	Purolator P.U.334
9/15/95595	36421	1	Filter head ... ..	Nos.	1	MIC 4703
9/15/95599	36424	2	Seal—upper ... ..	"	1	MIC 4081
9/15/95608	36425	3	Sump ... ..	"	1	MIC 5336
9/15/95587	36426	4	Centre bolt ... ..	"	1	MIC 5669
9/15/95645	36427	5	Circlip ... ..	"	1	MIC 4080
9/15/95593	36428	6	Element guide—lower ... ..	"	1	MIC 4076
9/15/95606	36431	7	Spring—element ... ..	"	1	MIC 4083
9/15/95598	36433	8	Reinforced plate ... ..	"	1	MIC 4841
9/15/95600	36432	9	Seal—lower ... ..	"	1	MIC 4347
9/15/95613	36430	10	Washer ... ..	"	1	K 19109
9/15/95597	36429	11	Seal—centre ... ..	"	1	MIC 4096
9/15/95607	36434	12	Spring—relief valve ... ..	"	1	MIC 5283
9/15/95583	36436	13	Retaining body—relief valve ... ..	"	1	MIC 4759
9/15/95611	36435	14	Cup valve—relief valve ... ..	"	1	MIC 4651
9/15/95663	36422	15	Centre tube ... ..	"	1	MIC 4071
9/15/95649	36423	16	Element guide—upper ... ..	"	1	MIC 4075
9/15/95647	A6413		<b>Filter element complete</b> ... ..	"	1	} MP 12239
9/15/93405	44209	17	Filter element ... ..	"	1	
9/15/93406	36438	18	Filter element seals ... ..	"	2	



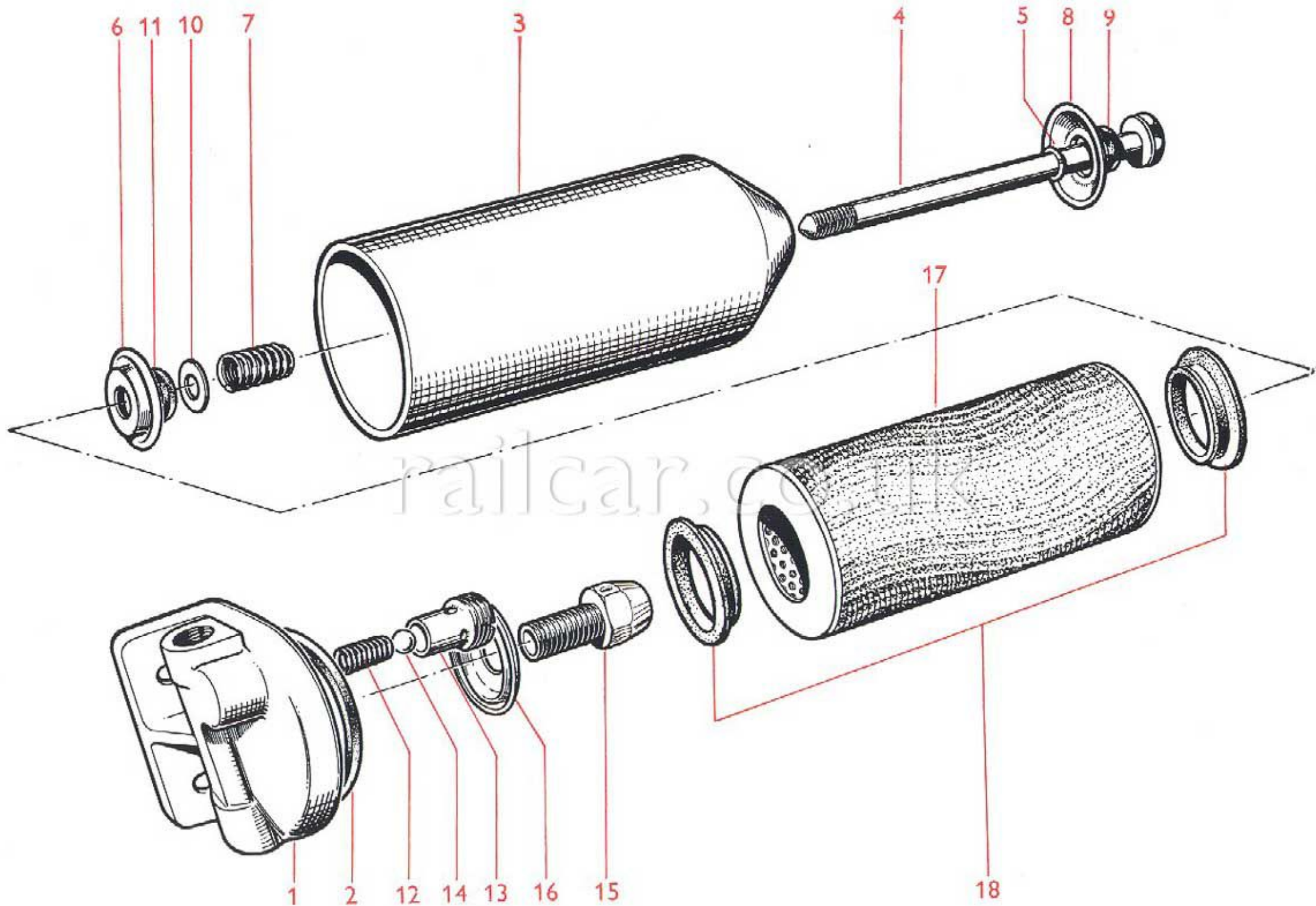
**NEW TYPE FILTER**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95580	A7450		<b>Filter complete</b> ... ..	All List	1	Purolator P.U.385
9/15/93393	48591	1	Filter head ... ..	Nos.	1	MIC 12664
9/15/93394	48593	2	Seal—upper ... ..	"	1	MIC 10977
9/15/93395	48596	3	Sump ... ..	"	1	MIC 9258
9/15/93366	48597	4	Centre bolt ... ..	"	1	MIC 9004
9/15/95645	36427	5	Circlip ... ..	"	1	MIC 9029
9/15/95593	36428	6	Element guide—lower ... ..	"	1	MIC 4076
9/15/95606	36431	7	Spring—element ... ..	"	1	MIC 4083
9/15/93397	48600	8	Reinforced plate ... ..	"	1	MIC 10063
9/15/93398	48599	9	Seal—lower ... ..	"	1	MIC 8396
9/15/95613	36430	10	Washer ... ..	"	1	K 19109
9/15/95597	36429	11	Seal—centre ... ..	"	1	MIC 4096
9/15/93399	48601	12	Spring—relief valve ... ..	"	1	MIC 8833
9/15/93400	48603	13	Retaining body—relief valve ... ..	"	1	MIC 8832
9/15/93401	48602	14	Cup valve—relief valve ... ..	"	1	MIC 19611
9/15/93402	48598	15	Circlip ... ..	"	1	MIC 8263
9/15/93403	48595	16	Element guide—upper ... ..	"	1	MIC 8884
9/15/93404	48594	17	Seal ... ..	"	1	MIC 8260
9/15/95647	A6413		<b>Filter element complete</b> ... ..	"	1	} MP 12239
9/15/93405	44029	18	Filter element ... ..	"	1	
9/15/93406	36438	19	Filter element seals ... ..	"	2	





**OIL FILTER — A7450**



**OIL FILTER — A6295**

**NUMERICAL INDEX  
OF PART NUMBERS**

**SELF-CHANGING GEARS LTD. TYPE S.E.4. GEARBOX  
FOR  
B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS**

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10562	9/15/93188	8	11365	9/15/93167	10	17292		15
10579	9/15/93308	8	11366	9/15/93020	10	17301		15,16
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GEARBOX S.C.G. Section Type S.E.4

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20400		9	26449		10	36430	9/15/95613	20
20401		9	26451	9/15/93064	10	36431	9/15/95606	20
20463	9/15/93284	9	26492	9/15/93206	8	36432	9/15/95600	20
20465	9/15/93282	9	28762	9/15/93001	12	36433	9/15/95598	20
20639	9/15/93284	12	28960		19	36434	9/15/95607	20
22093		14	29100	9/15/93053	5	36435	9/15/95611	20
22337	9/15/93275	10	29135	9/15/93013	5	36436	9/15/95583	20
22371		2	29859		19	36438	9/15/93406	20
22372		3	30076	9/15/93378	12	36994	9/15/94464	16
22452	9/15/93273	12	30077		12	36995	9/15/95008	16
22784	9/43/776	5	30078	9/15/93231	12	36996	9/15/94455	16
22837	9/15/93011	9	30079	9/15/93255	12	36999	9/15/93018	16
22839	9/15/93274	12	30102	9/15/93338	3,4	37000	9/15/93343	16
22843	9/15/93022	8	30104	9/15/93161	3,4	37039		11
22844	9/15/92023	8	30107		3,4	37040	9/15/93065	12
22845	9/15/93002	12	30108		3	37041	9/15/93243	1
22846		11	31273	9/15/93047	4	37042	9/15/93131	11
22847	9/15/93133	12	31274		3,4	37043	9/15/93114	5
22848	9/15/93205	11	31276		4	37044	9/15/93145	11
22850	9/15/93216	11	31313	9/15/93003	3	37045	9/15/93180	1
22852		11	31314		3	37046	9/15/93147	10
22853	9/15/93070	12	13175	9/15/93076	1	37047	9/15/93153	5
22854	9/15/93236	5	31376	9/15/93077	2	37049	9/15/93213	11
22856		14	32134		9	37050	9/15/93214	11
22857		14	32142	9/15/93279	12	37051	9/15/93215	11
22858	9/15/93336	12	32145		10	37052	9/15/93029	5
22859	9/15/93316	11	32146		10	37053	9/15/93309	10
22861	9/15/93227	12	32147		10	37054	9/15/93008	5
22862	9/15/93318	8	32367	9/15/93331	12	37055	9/15/93119	5
22863	9/15/93101	11	32636		14	37056	9/15/93115	5
22864	9/15/93096	11	33188		3,4	37057		13
22866	9/15/93097	11	33189		3	37058		13
22869		13	34749	9/15/93334	12	37059	9/15/93091	11
22873	9/15/93218	9	34777	9/15/93078	2	37062	9/15/93150	1
22874	9/15/93226	9	34867	9/15/93276	12	37063	9/15/93193	1
22877	9/15/93190	8	34878	9/15/93356	13	37064	9/15/93286	5

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37065		14	38989	9/15/93173	3,4	44175	9/15/93059	18
37067	9/15/93087	13	39064	9/15/93285	18	44200	9/15/93251	10
37068	9/15/93094	13	39186	9/15/93314	9	44201	9/15/93249	10
37074	9/15/93289	4	39703		16,17	44202	9/15/93200	9
37076	9/15/93302	10	39785	9/15/93237	18	44203	9/15/93201	9
37077	9/15/93063	10	41016		9	44204	9/15/93202	9
37078	9/15/93353	5	41026		17	44205	9/15/93199	10
37238		10	41027		16,17	44209	9/15/93405	20
37390	9/15/93026	16	41028		17	44365	9/15/93024	18
37407	9/15/93027	16	41040	9/15/93111	10	44366	9/15/93375	18,19
37509		13	41060	9/15/93305	12	44367	9/15/93376	18,19
37531	9/15/93016	13	41061	9/15/93085	12	44368	9/15/93371	18,19
37532	9/15/93333	13	41062	9/15/93103	12	44369	9/15/93028	19
37535	9/15/93055	13	41201		17	44386	9/15/93303	18,19
37583		17,18	41278		11	44394	9/15/93370	18,19
37584		17	41279		11	44414	9/15/93112	10
37585	9/15/93033	4	41280	9/15/93136	11	44480		18
37586		17	41318		17	44487	9/15/93102	11
37587/1		17	41319		17	44490	9/33/15150	18,19
37587/2		17	41387	9/15/95753	6	44501	9/33/15151	18,19
37588		13	41394	9/15/93257	6	44502	9/15/93377	18,19
37589		17	41398	9/15/93212	2	45332	9/15/93081	4
37698	9/15/93072	11	41399	9/15/93259	6	45409		16
37739		4	41532		17	45835		16
37742		13	41533		14	48591	9/15/93393	23
37755	9/15/95382	18	41534		14	48593	9/15/93394	23
37756	9/15/95389	18	42650	9/15/93359	12,18	48594	9/15/93404	23
37757	9/15/93155	1	42651	9/15/93228	12	48595	9/15/93403	23
37882	9/15/93330	11	42841	9/15/93258	6	48596	9/15/93395	23
38148	9/15/93025	16	42842	9/15/93261	6	48597	9/15/93396	23
38464	9/15/93220	12	42857	9/15/93152	18,19	48598	9/15/93402	23
38533	9/15/93156	1	42858	9/15/93179	18,19	48599	9/15/93398	23
38536	9/15/93341	1	42862		18,19	48600	9/15/93397	23
38867	9/15/93222	16	43732	9/15/93057	18	48601	9/15/93399	23
38868	9/15/93221	16	43738		18	48602	9/15/93401	23
38946		2	43748	9/15/93060	18	48603	9/15/93400	23
38947	9/15/93042	3	43768	9/15/93061	18	45331		2,4
38948	9/15/93268	2	43802		6	45377		18
38950	9/15/93264	2	43803		6	240919	9/15/95582	16
38951	9/15/93049	2	43804	9/15/93148	6	513147	9/15/95539	13
38952	9/15/93177	2	43805		6	A500		1
38953	9/15/93339	2	43816	9/15/93252	10	A4975		12
38954	9/15/93039	3	43848	9/15/93250	10	A5038	9/15/93288	1
38955	9/15/93204	2	44008	9/15/93058	18	A5614	9/15/93062	11
38956	9/15/93162	2	44010	9/15/93238	17	A6118	9/15/93006	6
38957	9/15/93082	2	44011	9/15/93132	11	A6295	9/15/95580	13,20
38958		2	44012	9/15/93146	11	A6315	9/15/93232	11
38960	9/15/93203	3,4	44013	9/15/93175	18	A6413	9/15/95647	20
38961	9/15/93048	3	44014	9/15/93174	18	A6425		18
38962	9/15/93320	3	44017	9/15/93345	18	A6426		19
38963	9/15/93287	1	44018	9/15/93344	18	A6705		2
38964	9/15/93151	1	44019	9/15/93095	18	A6707		2
38965	9/15/93017	1	44020	9/15/93138	5,18	A6741	9/15/93124	7
38966	9/15/93335	2	44051	9/15/93317	11	A6742	9/15/93125	7

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## SPARE PARTS LIST

### SELF-CHANGING GEARS LTD. TYPE S.E.4. GEARBOX

FOR

### B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS

List Nos. 5744, 5963, 6085, 6230, 6231, 6484, 7002, 6721, 6494, 6924, 6929, 7027.

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93288	A5038		<b>Input Shaft, complete</b> ... ..	List 7002, 6230, 6721, 6924, 6231 6494, 6484, 7027	1	
	17305	1	$\frac{3}{8}$ " dia. standard washer ... ..	" "	6	
9/33/15132	17944	2	$\frac{3}{8}$ " dia. B.S.F. slotted nut ... ..	" "	6	
	17957	3	$\frac{1}{16}$ " dia. x $\frac{3}{4}$ " lg. split pin ... ..	" "	6	
9/15/93287	38963	4	Input shaft ... ..	" "	1	
9/15/93151	38964	5	Clutch driving member ... ..	" "	1	
9/15/93017	38965	6	Clutch driving member bolt, special ... ..	" "	6	
	A500		<b>Input shaft, complete</b> ... ..	List 5744, 5963, 6085	1	
	11618		Input shaft ... ..	" "	1	
9/15/93150	37062		Clutch driving member ... ..	" "	1	
	11368		Clutch driving member bolt, special ... ..	" "	6	
	17305		$\frac{3}{8}$ " dia. std. washer ... ..	" "	6	
9/33/15132	17944		$\frac{3}{8}$ " B.S.F. slotted nut ... ..	" "	6	
	17957		$\frac{1}{16}$ " x $\frac{3}{4}$ " split pin ... ..	" "	6	
9/15/93243	37041	7	Clutch thrust ring ... ..	All List Nos.	1	
9/15/93043	11355	8	Clutch thrust ring button ... ..	" "	3	
9/15/93180	37045	9	Spacing piece ... ..	" "	1	
9/15/93193	37063	10	Clutch brg. housing stop pin ... ..	" "	3	
9/15/93156	38533	11	Driving shaft nut, special ... ..	List 6494, 6924 5744, 5963, 6085 6230, 6231, 6484	1	
9/15/93155	37757		Driving shaft nut, special ... ..	List 7002 6721, 7027	1	
9/15/93341	38536	12	Driving shaft washer, special ... ..	All List Nos.	1	
	19069	13	Split pin $\frac{3}{16}$ " x $1\frac{5}{8}$ " long ... ..	" "	1	
9/15/93361	17983	14	Tabwasher, $\frac{1}{2}$ " triple tab special ... ..	" "	3	For clutch bearing housing stop pin
9/15/93149	4499		<b>Clutch actuation member, complete</b> ... ..	All List Nos.	1	
	11374	15	Clutch actuation member ... ..	" "	1	
9/15/93076	19134	16	Clutch plate—driver ... ..	" "	1	
9/15/93262	31375	17	Rivet, $\frac{7}{16}$ " x $\frac{3}{4}$ " long csk. hd. M.S. ... ..	" "	1	Special

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93080	A6707		<b>3rd speed brake drum, complete</b>	List 6494, 6924 6721, 6230, 6231 6484, 7002, 7027	1	
	38958	18	3rd speed brake drum ... ..	"	1	} Sub-Assy. 4820
	38946	19	3rd speed sunwheel ... ..	"	1	
9/15/93212	41398	20	Clutch pressure plate ... ..	"	1	
9/15/93256	17377	21	Rivet, $\frac{3}{8}$ " dia. x $\frac{3}{8}$ " long flat head, special ... ..	"	24	Copper
	A6705		<b>3rd speed brake drum, complete</b>	List 5744 5963, 6085	1	
	22371		3rd speed brake drum ... ..	"	1	} Sub-Assy. 3975
	11303		3rd speed sunwheel ... ..	"	1	
9/15/93212	41398		Clutch pressure plate ... ..	"	1	
9/15/93256	17377		Rivet, $\frac{3}{8}$ " dia. x $\frac{3}{8}$ " long flat head, special ... ..	"	24	Copper
9/15/93335	38966	22	Abutment washer, special ...	List 6494, 6721 7002, 6924, 6230 6231, 7027, 6484	1	
9/15/93078	34777	23	Clutch plate—driven ... ..	All List Nos.	3	
9/15/93077	31376	24	Clutch plate—driver ... ..	"	3	
9/15/93310	11309	25	Clutch return spring ... ..	"	1	
9/15/93329	4823		<b>3rd speed train, complete</b> ...	List 7002, 6721 6494 6924, 6230, 6231, 7027, 6484	1	
9/43/49003	11530	26	$\frac{1}{4}$ " x $\frac{1}{4}$ " planet rollers ... ..	"	126	Hoffman RVEMI
9/15/93268	38948	27	Rivet, $\frac{5}{8}$ " dia. x 1.925" long, special ... ..	"	6	Steel
9/15/93264	38950	28	Planet rivet, $\frac{1}{2}$ " dia. x 1.925" long, special ... ..	"	3	Steel
9/15/93049	38951	29	3rd speed planet carrier ... ..	"	1	
9/15/93177	38952	30	3rd speed distance piece ... ..	"	3	
9/15/93339	38953	31	Distance washer, special ... ..	"	12	
9/15/93204	38955	32	3rd speed planet ... ..	"	3	
9/15/93162	38956	33	3rd speed planet inner race, special ... ..	"	3	
9/15/93082	38957	34	2nd speed brake drum ... ..	"	1	



**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref No.	Description	Used On	No. Req. Per Gearbox	Remarks
	4498		<b>3rd sp. train, complete</b> ...	List 5744 5963, 6085	1	
	22372		2nd sp. brake drum ...	"	1	
	11285		3rd sp. planet carrier ...	"	1	
	30108		3rd sp. planet wheel outer race...	"	3	
9/15/93161	30104		3rd sp. planet wheel inner race...	"	3	
	33189		Plain bearing ...	"	3	
9/15/93265	11400		3rd sp. planet rivet, $\frac{7}{8}$ " dia. x 1.95" long, special ...	"	3	Steel
	11293		3rd sp. planet distance piece ...	"	3	
	11419		3rd sp. planet distance piece rivet, $\frac{7}{8}$ " dia. x 1.88" long, special ...	"	3	Steel
9/15/93036	11352	35	Bush ...	All List Nos.	1	3rd sp. carrier
9/15/93042	38947	36	Bush, flanged ...	List 6230, 6231 6484, 7002, 6721 6494, 6924, 7027	1	3rd sp. sunwheel
	11351		Bush ...	List 5744 5963, 6085	1	3rd sp. sunwheel
9/15/93039	38954	37	Bush, flanged ...	List 6230, 6231 6484, 7002, 6721 6494, 6924, 7027	1	2nd sp. drum
	11353		Bush ...	List 5744 5963, 6085	1	2nd sp. drum
9/15/93328	4821		<b>2nd sp. gear train, complete</b> ...	List 7002, 6721 6494, 6924, 6230 6231, 6484, 7027	1	
9/15/93265	11400	38	Rivet, $\frac{7}{8}$ " dia. x 1.95" long, steel, special ...	"	3	} Planet Distance piece Hoffman RVESY
9/15/93260	11401	39	Rivet, $\frac{5}{8}$ " dia. x 1.95" long, steel, special ...	"	9	
9/43/49012	11578	40	$\frac{3}{8}$ " x $\frac{3}{8}$ " planet roller ...	"	84	
9/15/93338	30102	41	Distance washer, special ...	"	9	
9/15/93161	30104	42	2nd sp. inner race...	"	3	
9/15/93003	31313	43	3rd sp. annulus ...	"	1	
9/15/93203	38960	44	2nd sp. planet ...	"	3	
9/15/93048	38961	45	2nd sp. planet carrier ...	"	1	
9/15/93173	38989	46	Distance piece ...	"	3	
	4278		<b>2nd sp. gear train, complete</b> ...	List 5744 5963, 6085	1	
9/15/93003	31313		3rd sp. annulus ...	"	1	
	31314		2nd sp. planet carrier ...	"	1	
	30107		2nd sp. planet wheel outer race...	"	3	
9/15/93161	30104		2nd sp. planet wheel inner race...	"	3	
9/15/93265	11400		2nd sp. planet rivet, $\frac{7}{8}$ " x 1.95" long, special ...	"	3	Steel
	33188		Plain bearing ...	"	3	
	31274		2nd sp. distance piece ...	"	3	
9/15/93260	11401		2nd sp. distance piece rivet, $\frac{5}{8}$ " dia. x 1.95" long, special ...	"	9	Steel
9/15/93034	11359	47	Bush—3rd sp. annulus ...	All List Nos.	1	
9/15/93320	38962	48	1st & 2nd sp. sunwheel ...	List 7002, 6721 6494, 6924, 6230 6231, 6484, 7027	1	
	10803		1st & 2nd sp. sunwheel ...	List 5744 5963, 6085	1	

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93327	4822		<b>1st sp. gear train, complete ...</b>	List 7002, 6721 6494, 6924, 6230 6231, 6484, 7027	1	
9/15/93265	11400	49	Rivet, special, $\frac{7}{8}$ " dia. x 1.95" ...	"	3	Steel
9/15/93260	11401	50	Rivet, special, $\frac{7}{8}$ " dia. x 1.95" ...	"	9	Steel
9/43/49012	11578	51	$\frac{3}{8}$ " x $\frac{3}{8}$ " planet roller ...	"	84	Hoffman RVESY
9/15/93338	30102	52	Distance washer ...	"	9	
9/15/93161	30104	53	Inner race, 1st speed planet ...	"	3	
9/15/93047	31273	54	Planet carrier ...	"	1	
9/15/93289	37074	55	Output shaft ...	"	1	
9/15/93203	38960	56	Planet—1st sp. ...	"	3	
9/15/93173	38989	57	Distance piece ...	"	3	
	4497		<b>1st sp. gear train, complete ...</b>	List 6085	1	
	31276		Output shaft ...	"	1	
9/15/93047	31273		1st sp. planet carrier ...	"	1	
	30107		1st sp. planet wheel outer race ...	"	3	
9/15/93161	30104		1st sp. planet wheel inner race ...	"	3	
9/15/93265	11400		1st sp. planet rivet, special ...	"	3	$\frac{7}{8}$ " x 1.95" Steel
	33188		Plain bearing ...	"	3	
	31274		1st sp. distance piece ...	"	3	
9/15/93260	11401		1st sp. distance piece rivet, special ...	"	9	$\frac{5}{8}$ " x 1.95" Steel
	4873		<b>1st sp. gear train, complete ...</b>	List 5744, 5963	1	
9/15/93289	37074		Output shaft ...	"	1	
9/15/93047	31273		1st sp. planet carrier ...	"	1	
	30107		1st sp. planet carrier ...	"	3	
9/15/93161	30104		1st sp. planet inner race ...	"	3	
9/15/93265	11400		1st sp. planet rivet, special ...	"	3	$\frac{7}{8}$ " x 1.95" Steel
	33188		Plain bearing ...	"	3	
	31274		1st sp. distance piece ...	"	3	
9/15/93260	11401		Distance piece rivet, special ...	"	9	$\frac{5}{8}$ " x 1.95" Steel
9/15/93038	11304	58	Driven shaft bush ...	All List Nos.	1	
9/15/93033	37585	59	Bush1st speed annulus ...	List 6721, 6494 7002, 6924, 6230 6231, 6484, 5744 5963, 7027, List 6085	1	
	11354		Bush—1st speed annulus ...	List 7002, 6494 6721, 7027, 6924 6230, 6231, 6484	1	
9/15/93081	45332	60	1st sp. brake drum ...	List 7002, 6494 6721, 7027, 6924 6230, 6231, 6484	1	Nitrided
	45331		1st sp. brake drum ...	List 6085	1	
	37739		1st sp. brake drum ...	List 5744, 5963	1	

GEARBOX S.C.G. Section Type S.E.4

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93158	11310	61	Driven shaft locknut, special ...	All List Nos.	1	
9/15/93350	11311	62	Driven shaft locknut washer, special ... ..	"	1	
9/15/93157	11338	63	Driven shaft nut, special ...	"	1	
9/15/93347	11339	64	Driven shaft washer, special ...	"	1	
9/15/93139	11943	65	Driven shaft key ... ..	"	1	
9/15/93324	11436	66	Oil thrower ... ..	"	1	
9/43/766	22784	67	Bearing, Hoffmann MS.21 ACV. ...	List 7002, 6721 6494, 6924, 5744 5963, 6230, 6231 6484, 7027	1	Output shaft
9/43/766	22784		Bearing, Hoffmann MS.21 ACV ...	List 6085	2	Output shaft
9/43/5524	11524	68	Bearing, Hoffmann MS.21 000 Fit	List 7002, 6721 6424, 6924, 5744 5963, 6230, 6231 6484	1	Output shaft
	11525		Bearing, Hoffmann MS.17 ...	List 6085	1	Output shaft
9/43/1951	36306	69	Bearing, Hoffmann M17.CD.Loc.	List 7002, 6721 6494, 6924, 5744 5963, 6230, 6231 6484, 7027	1	Output shaft
9/43/33619	11584	70	Bearing, Hoffmann RMS.17 ...	"	1	Output shaft
9/43/5374	11507	71	Bearing, Hoffmann MS.14 ...	All List Nos.	1	Input shaft
9/15/93138	44020		Bearing, Hoffmann R-160-L ...	List 7027	1	Input shaft
9/15/93114	37043	72	Oil pump driving gear ... ..	All List Nos.	1	
9/15/93153	37047	73	Oil muff ... ..	"	1	
9/15/93029	37052	74	Brkt. for oil muff ... ..	"	1	
9/15/93119	37055	75	Pump gear and driving shaft ...	"	1	
9/15/93115	37056	76	Pump gear ... ..	"	1	Driving
9/15/93286	37064	77	Shaft—oil pump driven gear ...	"	1	
9/15/93141	11944	78	Key—for oil pump ... ..	"	1	
9/15/93053	29100	79	Circlip, 1/2" dia. ... ..	"	1	Seeger 700 50A
	L.529739	80	Pump gear driven ... ..	"	1	
9/15/93142	11940	81	Key for pump shaft ... ..	"	1	
9/15/93008	37054	82	Plain bearing oil pump ... ..	"	1	Alum. bronze used in Alum. front covers
9/15/93069	10559	83	Oil pump oscillating cylinder ...	"	1	
9/15/93083	11295	84	Oil pump eccentric—rear ... ..	"	1	
9/15/93236	22854	85	Oil pump plunger ... ..	"	1	
9/15/93353	37078	86	Oil pump washer, inner ... ..	List 7002, 6494 6721, 6924, 5744 5963, 6230, 6231 6484, 7027	1	Rear pump
	11434		Oil pump washer ... ..	List 6085	1	
9/15/93354	11435	87	Oil pump washer, outer ... ..	All List Nos.	1	Rear pump
9/15/93013	29135	88	Valve body, non return ... ..	All List Nos.	1	
9/15/93362	11438	89	Oil pump valve body washer ...	"	1	
9/11/641	11528	90	Oil pump valve ball ... ..	"	1	3/8" dia. steel
9/15/93141	11944	91	Oil pump eccentric key ... ..	"	1	

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93006	A6118		<b>Brake band and liners complete (1st, 2nd, 3rd speed) ... ..</b>	All List Nos.		
	43802	92	External brake band ... ..	"	1	
9/15/93148	43804	93	Liner—ext. band ... ..	"	1	
9/15/95753	41387	94	Rivet—ext. brake band, copper special ... ..	"	7	$\left. \begin{array}{l} \frac{7}{8}'' \times \text{No. 9} \\ \times \frac{1}{16}'' \times \frac{1}{32}'' \\ \frac{7}{8}'' \times \text{No. 9} \\ \times \frac{1}{16}'' \times \frac{1}{32}'' \\ \frac{3}{32}'' \times \text{No. 9} \\ \times \frac{1}{16}'' \times \frac{1}{32}'' \\ \frac{1}{2}'' \times \text{No. 9} \\ \times \frac{1}{16}'' \times \frac{1}{32}'' \end{array} \right\} \text{Sub. Assy. 6120}$
9/15/93259	41399		Rivet—ext. band (semi-tubular), copper special ... ..	"	3	
9/15/93258	42841		Rivet—ext. band (semi-tubular), copper special ... ..	"	6	
9/15/93257	41394		Rivet—ext. band (semi-tubular), copper special ... ..	"	1	
	43803	95	Internal brake band ... ..	"	1	
	43805	96	Liner—int. band ... ..	"	1	
9/15/93261	42842	97	Rivet—int. band (semi-tubular), copper special ... ..	"	16	$\left. \begin{array}{l} \frac{3}{16}'' \times \text{No. 9} \\ \times \frac{1}{16}'' \times \frac{1}{32}'' \end{array} \right\} \text{Sub. Assy. 6121}$
				"		
9/15/93210	10655		Centralizer plate ... ..	"	2	$\left. \begin{array}{l} \text{Sub. Assy. 6120} \\ \text{Sub. Assy. 6121} \end{array} \right\} \text{Assy. A6119}$
				"		
9/15/93169	22983		Distance piece ... ..	"	1	$\left. \begin{array}{l} \text{Assy. A6119} \\ \text{Assy. A6113} \end{array} \right\}$
9/15/93253	18565		Rivet, $\frac{3}{16}'' \times 1\frac{1}{8}''$ long 90° csk. M.S., special ... ..	"	4	
9/15/93254	18568		Rivet, $\frac{3}{16}'' \times 1\frac{1}{2}''$ long roundhead M.S. special ... ..	"	1	
9/15/93004	6120		Bands brake ext. sub-assy. (1st, 2nd, 3rd Speeds) ... ..	"	3	
9/15/93005	6121		Bands, brake, int. sub-assy. (1st, 2nd, 3rd speeds) ... ..	"	3	

GEARBOX S.C.G. Section Type S.E.4

B.R. Cat No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93253	18565	98	Rivet, $\frac{1}{8}$ " x $1\frac{1}{2}$ " long, 90° countersunk M.S. ... ..	All List Nos.	12	
9/15/93266	19127	99	Rivet—plate to external band hook 0.281" dia. x 1.062" long, M.S.	"	12	Part of Assy. A6741 and A6742. See items 106 and 107 Part of Assy. A6743 See item 108
9/15/93267	19128	100	Rivet—plate to external band hook 0.281" dia. x 1.187" long M.S.	"	3	
9/15/93254	18568	101	Rivet centralizer plates, $\frac{3}{16}$ " x $1\frac{1}{2}$ " long roundhead M.S. ...	"	3	
9/15/93169	22983	102	Distance piece ... ..	"	3	
9/15/93187	11319	103	Ext. band eyebolt pin ... ..	All List Nos.	1	
9/15/93170	11342	104	Ext. band link dist. piece ...	"	1	
9/15/93171	11343	105	Ext. band link dist. piece ...	"	1	
9/15/93124	A6741	106	<b>Ext. brake hook complete, 1st and 3rd speed—front</b> ... ..	"	2	
9/15/93223	11344		Ext. band hook plate ... ..	"	2	
9/15/93123	22993		Ext. band hook ... ..	"	2	
9/15/93266	19127		Rivet—plate to band hook ...	"	6	See Item 99
9/15/93125	A6742	107	<b>Ext. brake hook complete, 1st and 3rd speed—rear</b> ... ..	"	2	
9/15/93224	11345		Ext. band hook plate ... ..	"	2	
9/15/93123	22993		Ext. band hook ... ..	"	2	
9/15/93266	19127		Rivet—plate to band hook ...	"	6	See Item 99

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93126	A6743	108	<b>Ext. brake hook complete, 2nd speed—rear</b> ... ..	All List Nos.	1	
9/15/93225	11346		Ext. band hook plate ... ..	"	1	
9/15/93123	22993		Ext. band hook ... ..	"	1	
9/15/93267	19128		Rivet—plate to band hook ...	"	3	See Item 100
9/15/93123	22993	109	Ext. band hook 2nd speed—front	"	1	
9/15/93188	10562	110	Int. band link ... ..	"	6	
9/15/93189	10629	111	Int. band pin ... ..	"	3	
9/15/93022	22843	112	Brk. ext. band hooks and centralizer ... ..	"	1	
9/15/93023	22844	113	Brk. int. band links and centralizer ... ..	"	1	
9/15/93168	10582	114	Distance piece for links ... ..	"	3	
9/15/93052	22887	115	Centralizer—R.H.... ..	All List Nos.	3	
9/15/93051	22888	116	Centralizer—L.H.... ..	"	3	
9/15/93308	10579	117	Centralizer spring ... ..	"	6	
9/15/93318	22862	118	Centralizer stop ... ..	"	6	
9/15/93186	22881	119	Centralizer pin—R.H. ... ..	"	1	
9/15/93185	22882	120	Centralizer pin—L.H. ... ..	"	1	
9/15/93190	22877	121	Pin for internal band link ... ..	"	1	
9/15/93154	10606	122	Automatic adjuster nut ... ..	"	3	
	10608	*123	Automatic adjuster table... ..	"	3	
9/15/93184	10609	124	Automatic adjuster table pin ... ..	"	3	
9/15/93307	10611	125	Automatic adjuster spring ... ..	"	3	
9/15/93272	10612	*126	Automatic adjuster ring ... ..	"	3	
	11317	127	Automatic adjuster screw ... ..	"	3	
9/15/93315	11337	128	Automatic adjuster stop ... ..	"	3	
9/15/93269	10605	129	Pull rod ... ..	"	3	
9/15/93191	10631	130	Pull rod pin, $\frac{3}{4}$ " dia. bar x $1\frac{5}{8}$ " long ... ..	"	3	Silver steel
9/15/93164	11277	131	Thrust pad ... ..	"	3	
	22904	132	Setscrew, $\frac{1}{16}$ " B.S.F. x $\frac{5}{8}$ " long ... ..	"	8	
	23177	133	Bolt, $\frac{1}{8}$ " B.S.F. x 1.2" long ... ..	"	8	
9/15/93342	23176	134	Washer, special 0.55" O/D x 0.328" I/D, 14 swg. copper ... ..	"	8	Air cyl. cover plate bolt
9/15/93206	26492	135	Base plate ... ..	"	1	
9/15/93210	10655	136	Centralizer plate ... ..	List 5744, 5963 6085, 6230, 6231 6484	6	
9/15/93322	A7392		Automatic adjuster table and pin assembly ... ..	All List Nos.	3	
9/15/93241	A7393		Automatic adjuster ring assembly	All List Nos.	3	

\*Not supplied separately

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93011	22837	137	Cylinder block ... ..	All List Nos.	1	
9/15/93218	22873	138	Plate for cylinder block ... ..	"	1	
9/15/93226	22874	139	Spring Retainer plate ... ..	"	1	
9/15/93360	41016		Spring retaining washer, special	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
9/15/93348	24239	140	Cylinder Joint washer ... ..	All List Nos.	1	
9/15/93202	44204	141	Pneumatic piston—3rd sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
	20399		Pneumatic piston—3rd sp. ... ..	List 6085 5744, 5963	1	
9/15/93201	44203	142	Pneumatic piston—2nd sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484	1	
	20400		Pneumatic piston—2nd sp. ... ..	List 5744 5963, 6085	1	
9/15/93200	44202	143	Pneumatic piston—1st sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
	20401		Pneumatic piston—1st sp. ... ..	List 5744 5963, 6085	1	
9/15/93284	20463	144	Seal for 3rd sp. piston ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	2	Gaco Ref. B.285
9/15/93284	20463		Seal for 3rd sp. piston ... ..	List 5744 5963, 6085	1	Gaco Ref. B.285
9/15/93283	32134	145	Seal for 2nd sp. piston ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	2	Gaco Ref. B.1416
9/15/93283	20464		Seal for 2nd sp. piston ... ..	List 5744 5963, 6085	1	Gaco Ref. B.1416
9/15/93282	20465	146	Seal for 1st sp. piston ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	2	Gaco Ref. B.2034
9/15/93282	20465		Seal for 1st sp. piston ... ..	List 5744 5963, 6085	1	Gaco Ref. B.2034
9/15/93312	12558	147	Piston return spring—1st sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
9/15/93312	12558		Piston return spring—1st and 2nd sp. ... ..	List 5744 5963, 6085	2	
9/15/93313	12622	148	Piston return spring—2nd sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
9/15/93313	12622		Piston return spring—3rd sp. ... ..	List 5744 5963, 6085	1	
9/15/93314	39186	149	Piston return spring—3rd sp. ... ..	List 7002, 6924 6494, 6721, 6230 6231, 6484, 7027	1	
9/15/93014	11316	150	Bolt for actuating link, $\frac{5}{16}$ " B.S.F.	All List Nos.	3	Special
9/15/93183	11360	151	Pin for actuating link, $\frac{3}{4}$ " B.S.F. x $11\frac{5}{8}$ " long ... ..	"	1	

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	32145		'O' ring—3rd sp. ... ..	List 5744, 5963, 6085	1	Dowty Ref. GD. 1308B/4
	32146		'O' ring—2nd sp. ... ..	"	1	Dowty Ref. GD. 1308B/8
	32147		'O' ring—1st sp. ... ..	"	1	Dowty Ref. GD. 1308B/12
9/15/93249	44201	152	Seal retaining ring—1st sp. ...	All List Nos.	2	Brico RM.3804
9/15/93250	43848	153	Seal retaining ring—2nd sp. ...	"	2	Brico RM.3798
9/15/93251	44200	154	Seal retaining ring—3rd sp. ...	"	2	Brico RM.3805
9/15/93165	11362	155	Dist. piece for actuating link ...	All List Nos.	1	
9/15/93166	11363	156	Dist. piece for actuating link ...	"	1	
9/15/93167	11365	157	Dist. piece for actuating link ...	"	2	
9/15/93020	11366	158	Bolt operating strut, 1/2" B.S.F. special ... ..	"	3	
9/15/93075	11485		Dowel operating strut ... ..	"	3	
9/15/93160	11453	159	Cam roller—outer race, special	"	3	
9/15/93159	11454	160	Cam roller—inner race, special	"	3	
9/43/49127	11527	161	Cam roller—needle roller ...	"	66	Hoffman each 3 mm x 19.8 mm long
9/15/93355	11456	162	Retaining washer for cam roller, special ... ..	"	6	
9/15/93319	23178	163	Operating strut ... ..	"	3	
9/15/93209	22985	164	Cam plate ... ..	"	3	
9/15/93035	22984	165	Cam plate bush ... ..	"	3	
9/15/93147	37046	166	4th sp. cylinder liner ... ..	All List Nos.	3	
9/15/93199	44205	167	Clutch piston ... ..	"	3	
9/15/93309	37053	168	Spring for clutch piston ... ..	"	3	
9/15/93275	22337	169	Seal for clutch piston ... ..	"	3	Dowty AM.13
9/15/93252	43816	170	Seal retaining ring, 4th sp. ...	"	3	
9/15/93112	44414		Gearcase ... ..	List 7027	1	
9/15/93111	41040		Gearcase ... ..	List 7002, 6924 6494, 6721	1	
	37238	171	Gearcase ... ..	List 6085, 5744 5963, 6230, 6231 6484	1	
9/15/93063	37077	172	Rear cover ... ..	List 7002, 6924 6494, 6721, 5744 5963, 6230, 6231 6484, 7027	1	
	26449		Rear cover ... ..	List 6085	1	
9/15/93302	37076	173	Bearing sleeve ... ..	List 7002, 6024 6494, 6721, 5744 5963, 6230, 6231 6484, 7027	1	
9/15/93064	26451	174	Inspection cover ... ..	All List Nos.	1	



GEARBOX S.C.G. Section Type S.E.4

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93062	A5614		<b>Front cover, complete</b> ... ..	List 6721, 7002 6924, 6494, 7027	1	
	41278		Front cover ... ..	"	1	
9/15/93136	41280		Input pump body insert ... ..	"	1	
9/15/93072	37698		Dowel, front cover ... ..	"	1	
	41279		Locking wire ... ..	"	As req.	
			$\frac{1}{4}$ " BSF hex. bolt x $1\frac{1}{8}$ " long drilled special ... ..	"	3	
	17328		$\frac{1}{4}$ " spring washer, single coil ... ..	"	3	
	37039	175	Front cover ... ..	List 6085, 5744 5963, 6231, 6484 6230	1	
9/15/93145	37044	176	Bearing liner for front cover ... ..	List 6924, 6494 6085, 5744, 5963 6230, 6231, 6484 7027	1	
9/15/93146	44012		Bearing liner for front cover ... ..	List 6721, 7002, 7027	1	
9/15/93131	37042	177	Oil seal housing ... ..	List 6494, 6924 6085, 5744, 5963 6230, 6231, 6484 7027	1	
9/15/93132	44011		Oil seal housing ... ..	List 7002 6721, 7027	1	
9/15/93102	44487		Gasket for side cover ... ..	List 7027	1	
9/15/93213	37049	178	Air cyl. cover plate—top speed ... ..	All List Nos.	1	Bottom (1) facing Bottom (2) facing Top (2) facing
9/15/93214	37050	179	Air cyl. cover plate—top speed ... ..	"	1	
9/15/93215	37051	180	Air cyl. cover plate—top speed ... ..	"	1	
9/15/93101	22863	181	Gasket for side cover ... ..	List 6494, 5744 5963, 6085, 6230 6231, 6484, 6924 7002, 6721	1	
9/15/93096	22864	182	Gasket for inspection cover ... ..	All List Nos.	1	
9/15/93097	22866	183	Gasket for brake cyl. plate ... ..	"	1	
9/15/93091	37059	184	Gasket for top sp. cyl. cover ... ..	"	3	
9/15/93316	22859	185	Stop for cam plate ... ..	List 6494, 5744 5963, 6085, 6230 6231, 6484, 6924 7002, 6721	3	
9/15/93317	44051		Stop for cam plate ... ..	List 7027	1	
9/15/93232	A6315		<b>Oil filler plug and breather body complete</b> ... ..	All List Nos.	1	
	22846	186	Oil filler plug and breather body ... ..	"	1	
	17943	187	$\frac{1}{4}$ " B.S.F. slotted nut ... ..	"	1	
	17965	188	Split pin, $\frac{3}{64}$ " x $\frac{5}{8}$ " long ... ..	"	1	
	17974		$\frac{1}{4}$ " dia. plain washer ... ..	"	1	
9/15/93330	37882		Spacing tube for breather ... ..	"	1	
9/15/93205	22848	189	Breather baffle plate ... ..	"	1	
9/15/93216	22850	190	Breather cover plate ... ..	"	1	
	22852	191	Breather bolt, special ... ..	"	1	

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93229	11414	192	Oil drain plug ... ..	"	1	
9/15/93230	11415	193	Oil drain plug and breather washer, 1 $\frac{3}{4}$ " dia. fibre ... ..	"	2	
9/33/30120	17337		Parker drive screw ... ..	"	8	Name and Patent
9/15/93381	17824		Name plate ... ..	"	1	
	18066		Patent plate ... ..	"	1	
9/15/93070	22853	194	Dipstick ... ..	"	1	} Assy. 6819
	10597	195	Dipstick handle ... ..	"	1	
9/15/93133	22847	196	Oil seal housing ... ..	"	1	
9/15/93277	11672	197	Oil seal—input ... ..	List 6494, 5744 5963, 6085, 6230 6231, 6484, 6924	1	Leather Seal Gits OS.2250
9/15/93278	11673		Oil seal—input ... ..	List 7002 6721, 7027	1	Leather seal Gits OS.2750
9/15/93274	22839	198	Grubscrew—inspection cover ...	All List Nos.	1	
9/15/93002	22845	199	Adaptor dipstick ... ..	"	1	
9/15/93378	30076	200	$\frac{7}{8}$ " Whit. eyebolt ... ..	"	2	
9/15/93073	20639	201	Dowel—in front cover, $\frac{5}{8}$ " x 1 $\frac{3}{8}$ " long ... ..	"	1	
9/15/93273	22452	202	$\frac{3}{8}$ " B.S.F. cone head screw, special	"	6	
9/15/93065	37040	203	Oil pump cover with plug ... ..	"	1	
9/15/93276	34867	204	Bonded seal ... ..	"	6	Dowty Ref. GD. 1307/A
9/15/93220	38464	205	Dowel retaining plate ... ..	"	1	
9/15/93279	32142	206	Oil seal—output ... ..	"	1	Leather seal Gits—Angus L.525375
9/15/93305	41060	207	Oil filler spout ... ..	List 6494, 6721 6924, 7002, 7027	1	
9/15/93231	30078	208	Oil filler plug ... ..	"	1	
9/15/93255	30079		Rivet for filler plug, special ...	"	1	
	30077	209	Chain for filler plug, special ...	"	1	
9/15/93230	11415	210	Washer for filler plug ... ..	"	1	
9/15/93103	41062		Gasket filler spout ... ..	"	1	
9/15/93085	41061	211	Filter filler spout ... ..	"	1	
9/77/10002	10305/2		$\frac{3}{8}$ " B.S.F. stud x 1 $\frac{7}{16}$ " long special	"	4	For oil filler spout
	17330		Spring washer $\frac{3}{8}$ " single coil ...	"	4	For oil filler spout
	17937		$\frac{3}{8}$ " B.S.F. nut ... ..	"	4	For oil filler spout
9/15/93336	22858		Washer for air union, special ...	List 7027	9	
9/15/93359	42650		Spacing washer, special ... ..	"	3	
9/15/93336	22858	212	Washer for air union $\frac{3}{16}$ " copper	All List Nos.	6	1st, 2nd & 3rd sp.
9/15/93227	22861	212A	Plug for air union ... ..	List 6494, 5744 5963, 6085, 6230 6231, 6484, 6924 7027	3	
9/15/93228	42651		Plug for air union ... ..	List 6721 7002, 7027	3	
	A4975	213	<b>Abutment, complete</b> ... ..	All List Nos.	1	1st, 2nd & 3rd sp.
9/15/93001	28762	214	Abutment ... ..	"	3	"
9/15/93331	32367	215	Union for air cylinder ... ..	"	3	"
9/15/93334	34749	216	Air restrictor valve ... ..	"	3	"

GEARBOX S.C.G. Section Type S.E.4

B.R. Cat No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/93363	4343 37057 37058	217 218	<b>Pipe, air feed assy.</b> ... .. External elbow flange ... .. Air feed pipe ... ..	All List Nos. " "	1 4 2	4th sp. "
9/15/93087 9/15/93094	37067 37068	219 220	Ext. elbow flange ... .. Gasket for ext. elbow flange ...	" "	1 5	4th sp.
9/15/95580	A6295	221	<b>Oil filter, complete</b> ... ..	"	1	Purolator PU.334
9/15/93196	4453 17395 19070 37742	222	<b>Oil pipe, complete</b> ... .. $\frac{1}{2}$ " B.S.P. nipple ... .. $\frac{1}{2}$ " B.S.P. nut ... .. $\frac{1}{2}$ " o/dia. pipe ... ..	All List Nos. " " "	1 2 2 1	
9/15/93373 9/15/95711	A4629/3 36007/3 36004/4 36055/13	223 224 225	<b>Hose, flexible, Aeroquip</b> ... .. 135° Aeroquip end fitting ... .. Aeroquip Female end fitting ... .. Aeroquip hose (22 $\frac{1}{2}$ " long) ...	All List Nos. " " List 6494, 6721 6924, 7002, 5963 6085, 6231, 6484 7027	1 1 1	Aeroquip 203/8 Aeroquip 201/8 Aeroquip 301/8
9/15/93374 9/15/95710	A4687/2 36055/10 36007/3 36006/3	223 224 225	<b>Hose, flexible, Aeroquip</b> ... .. Aeroquip hose (37 $\frac{1}{2}$ " long) ... .. 135° Aeroquip end fitting ... .. 90° Aeroquip end fitting ... ..	List 5744, 5230 " " "	1 1 1	Aeroquip 301/8 Aeroquip 203/8 Aeroquip 207/8
9/15/93356	34878	226	Bonded seal ... ..	All List Nos.	6	Dowty Ref. GD. 1307/D
9/15/95582 9/15/93055 9/15/93016 9/15/93333	240919 37535 37531 37532 36403 17330	227 228 229 230	Adaptor ... .. Pipe clip ... .. Banjo bolt ... .. Banjo union ... .. $\frac{3}{8}$ " U.N.F. bolt x $1\frac{1}{8}$ " long drilled $\frac{3}{8}$ " Spring washer, single coil ...	" " " " " "	2 1 2 2 2 2	Special
	17023	231	$\frac{5}{16}$ " B.S.F. stud x $1\frac{3}{4}$ " long special	"	12	Gearcase to inspection cover
	11377/14	232	$\frac{3}{8}$ " B.S.F. stud x 2" long special ...	"	10	Front cover to piston cover
	12704/8	233	$\frac{3}{8}$ " B.S.F. stud x $1\frac{5}{8}$ " long special	List 6494, 6085 5744, 5963, 6230 6231, 6484, 6924 6721	6	Front cover to oil seal hsg.
	16090 37588		$\frac{3}{8}$ " B.S.F. stud x $2\frac{5}{8}$ " long special $\frac{3}{8}$ " B.S.F. stud x $2\frac{7}{8}$ " long special	List 7002, 7027 List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6486	6 6	" Rear cover to cap
	18385 22869	234	$\frac{3}{8}$ " B.S.F. stud $1\frac{9}{16}$ " x long special $\frac{3}{8}$ " B.S.F. stud x $1\frac{5}{8}$ " long special	List 6085, 7027 All List Nos.	6 14	" Front cover to piston cover
	37509	235	$\frac{3}{8}$ " B.S.F. stud x $1\frac{3}{4}$ " long special	List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6456, 6085	10	Gearcase to side cover

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	37065	236	$\frac{3}{8}$ " B.S.F. stud x $1\frac{7}{8}$ " long drilled	All List Nos.	2	Front cover to oil muff bracket
	11377/8		$\frac{1}{2}$ " B.S.F. stud x $2\frac{7}{16}$ " long drilled	"	7	Gearcase to rear cover—short
	17855		$\frac{1}{2}$ " B.S.F. stud x $2\frac{7}{8}$ " long drilled	"	4	Gearcase to rear cover—long
	14259	237	$\frac{1}{2}$ " B.S.F. stud x $4\frac{1}{8}$ " long drilled	"	11	G'case to bottom plate—long
	22883	238	$\frac{1}{2}$ " B.S.F. stud x $3\frac{1}{2}$ " long drilled	"	17	G'case to bottom plate—15 G'case to front cover—2
	17048	239	$\frac{1}{2}$ " B.S.F. stud x $2\frac{3}{16}$ " long drilled	"	10	G'case to front cover
	10100/16		$\frac{1}{2}$ " B.S.F. stud x 2" long drilled ...	"	8	Gearcasing to mounting brkts.
	10100/16		$\frac{1}{2}$ " B.S.F. stud x 2" long drilled ...	List 7027	16	
	22856	240	$\frac{3}{4}$ " B.S.F. stud x $4\frac{1}{8}$ " long drilled	"	3	Base plate to ext. band hook brkt.
	22857	241	$\frac{3}{4}$ " B.S.F. stud x 4.35" long drilled	"	3	Base plate to int. bank link brkt.
	22093	242	$\frac{3}{8}$ " B.S.F. bolt—long x $1\frac{3}{4}$ " long drilled ... ..	All List Nos.	2	Oil pump cover to front cover
	32636	243	$\frac{3}{16}$ " Whit. bolt x $2\frac{1}{2}$ " long drilled	"	2	Base plate to hook brkt.
	41533		$\frac{3}{8}$ " B.S.F. bolt—long x $2\frac{3}{8}$ " long drilled ... ..	"	1	Oil pump cover to front cover
	41534	244	$\frac{3}{8}$ " B.S.F. bolt—short x $1\frac{7}{8}$ " long drilled ... ..	"	3	" " "
	17937	245	$\frac{3}{8}$ " B.S.F. nut, plain ... ..	"	24	Studs—front cover to piston cover
	17937		$\frac{3}{8}$ " B.S.F. nut, plain ... ..	"	6	Studs—rear cover to cap
	17937	246	$\frac{3}{8}$ " B.S.F. nut, plain ... ..	List 6494, 6085 5744, 5963, 6230 6231, 6484, 6924 6721, 7002	10	Studs—gearcase to side cover
	17937	247	$\frac{3}{8}$ " B.S.F. nut, plain ... ..	"	3	Stops for cam plate
	17937	248	$\frac{3}{8}$ " B.S.F. nut, plain ... ..	All List Nos.	2	Automatic adjuster screw—2nd & 3rd sp.
	17937	249	$\frac{3}{8}$ " B.S.F. nut, plain ... ..	"	6	Studs—front cover to oil seal hsg.
	17942	250	$\frac{5}{16}$ " B.S.F. nut, plain ... ..	"	12	Studs—gearcase to insp. cover
	17988		$\frac{3}{8}$ " B.S.F. nut lock ... ..	"	1	Automatic adjuster, 1st sp. screw

GEARBOX S.C.G. Section Type S.E.4

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/33/15132	17947		$\frac{1}{2}$ " B.S.F. nut, plain ... ..	All List Nos.	11	Studs—gearcase to rear cover
	17947	251	$\frac{1}{2}$ " B.S.F. nut, plain ... ..	"	12	Studs—g'case to front cover
	17947		$\frac{1}{2}$ " B.S.F. nut, plain ... ..	"	8	Studs—g'casetobrkt.
	17947		$\frac{1}{2}$ " B.S.F. nut, plain ... ..	List 7027	16	"
	17947	252	$\frac{1}{2}$ " B.S.F. nut, plain ... ..	All List Nos.	26	Studs—g'case to base plate
	17292	253	$\frac{3}{4}$ " B.S.F. nut, plain ... ..	"	3	Studs—base plate to int. band link brkt.
	17292	254	$\frac{3}{4}$ " B.S.F. nut, plain ... ..	"	3	Studs—base plate to ext. hook brkt.
	17936	255	$\frac{5}{16}$ " B.S.F. nut, slotted ... ..	"	3	Cam plate bearing bolts
	17944	256	$\frac{3}{8}$ " B.S.F. nut, slotted ... ..	List 6494, 5744 5963, 6085, 6230 6231, 6484, 7027	2	Oil muff brkt. to front cover
	17939	257	$\frac{1}{2}$ " B.S.F. nut, slotted ... ..	All List Nos.	3	Op'ting. strut bolts
	17939	258	$\frac{1}{2}$ " B.S.F. nut, slotted ... ..	"	1	Ext. band hooks pin
	17301	259	$\frac{1}{4}$ " B.S.F. nut, slotted ... ..	"	1	Cam plate pin
	17329	260	$\frac{1}{8}$ " dia. spring washer, single coil	All List Nos.	12	Studs—gearcase to insp. cover
	17330	261	$\frac{3}{8}$ " dia. spring washer, single coil	All List Nos.	24	Studs—front cover to piston cover
	17330		$\frac{3}{8}$ " dia. spring washer, single coil	"	6	Studs—rear cover to cap
	17330	262	$\frac{3}{8}$ " dia. spring washer, single coil	"	10	Studs—g'case to side cover
	17330	263	$\frac{3}{8}$ " dia. spring washer, single coil	"	3	Stops for cam plate
	17330	264	$\frac{3}{8}$ " dia. spring washer, single coil	"	6	Studs—front cover to oil seal hsg.
	17332		$\frac{1}{2}$ " dia. spring washer, single coil	"	11	Studs—gearcase to rear cover
	17332	265	$\frac{1}{2}$ " dia. spring washer, single coil	"	12	Studs—g'case to front cover
	17332		$\frac{1}{2}$ " dia. spring washer, single coil	"	8	Studs—g'casetobrkt.
	17332		$\frac{1}{2}$ " dia. spring washer, single coil	List 7027	16	"
	17332	266	$\frac{1}{2}$ " dia. spring washers, single coil	All List Nos.	26	Studs—g'case to base plate
	17335	267	$\frac{3}{4}$ " dia. spring washer, single coil	"	3	Studs—base plate to int. band link brkt.
	17335	268	$\frac{3}{4}$ " spring washer, single coil ...	"	3	Studs—base plate to ext. band hook brkt.
	17304	269	$\frac{5}{16}$ " dia. plain washer ... ..	"	9	Actuating link bolts
	17305	270	$\frac{3}{8}$ " dia. plain washer ... ..	"	2	Oil muff brkt. to front cover
	17972	271	$\frac{1}{2}$ " dia. plain washer ... ..	"	3	Operating strut bolts

**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	17972	272	$\frac{1}{2}$ " dia. plain washer ... ..	All List Nos.	1	Ext. band hook pin
	17310	273	$\frac{3}{4}$ " dia. plain washer ... ..	"	1	Cam plate pin
	17957	274	Split pin $\frac{1}{16}$ " x $\frac{3}{4}$ " ... ..	"	3	Cam plate bearing bolts
	17957	275	Split pin $\frac{1}{16}$ " x $\frac{3}{4}$ " ... ..	"	4	Centralizer pins
	17960	276	Split pin $\frac{5}{32}$ " x $1\frac{1}{8}$ " ... ..	"	3	Operating strut bolts
	17960	277	Split pin $\frac{3}{32}$ " x $1\frac{1}{8}$ " ... ..	"	1	Ext. band hooks pin
	17326	278	Split pin $\frac{5}{32}$ " x $1\frac{1}{2}$ " ... ..	"	1	Cam plate pin
	17326	279	Split pin $\frac{5}{32}$ " x $1\frac{1}{2}$ " ... ..	"	2	Int. band link pin
	17326	280	Split pin $\frac{5}{32}$ " x $1\frac{1}{2}$ " ... ..	"	6	Int. band pin
	19046	281	Split pin $\frac{3}{16}$ " x $2\frac{1}{4}$ " ... ..	"	1	Output shaft
9/15/93026	37390	282	Mounting bracket—rear ... ..	List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6484, 6085	1	
9/15/93025	38148	283	Mounting bracket—front ... ..	List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6484	1	
9/15/95350	36127		Mounting bracket—front ... ..	List 6085	1	
9/15/93027	37407	284	Mounting bracket and side cover	List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6484, 6085	1	
9/15/93222	38867	285	Dowel retaining plate ... ..	All List Nos.	1	For brkt. 37407
9/15/93221	38868		Dowel retaining plate ... ..	"	1	For brkt. 37390
9/15/94464	36994	286	Rubber ... ..	"	6	
9/15/95008	36995	287	Cover, mounting bracket, L.H.R.H.	"	4	
9/15/94455	36996	288	Cover, mounting bracket, R.H.R.H.	"	2	
9/15/93018	36999	289	$\frac{3}{4}$ " B.S.F. bolt x $5\frac{1}{2}$ " long drilled	"	3	
	17301	290	$\frac{3}{4}$ " B.S.F. slotted nut ... ..	"	3	
	25287	291	Washer, $\frac{3}{4}$ " dia. steel ... ..	List 6721, 6924 7002, 6494, 5744 5963, 6230, 6231 6484	3	
9/15/93337	A7257		Locating tube and cover ... ..	All List Nos.	2	
9/15/95016	45409		Distance piece ... ..	"	1	
	25287		Washer, $\frac{3}{4}$ " dia. steel ... ..	List 6085	12	
9/15/93343	37000	292	Taper washer, $\frac{3}{4}$ " dia. cast iron	List 6721, 6924 7002, 6494, 5744 5963, 6230, 6231 6484	3	
	19069	293	Split pin, $\frac{5}{32}$ " x $1\frac{5}{8}$ " long ... ..	"	3	
9/15/95539	513147	294	Dowel ... ..	List 6494, 6721 6924, 7002, 5744 5963, 6230, 6231 6484, 6085	2	
	45835		Cover (Front mounting brkt.) ... ..	All List Nos.	1	
	41027		Output coupling ... ..	List 6494	1	
	39703		Input coupling ... ..	"	1	Two grooves

GEARBOX S.C.G. Section Type S.E.4

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95397	41028		Pulley spacing piece ... ..	List 6494	1	
	36113		Pulley ... ..	"	1	Four grooves
	37587/1		Bolt, $\frac{3}{8}$ " B.S.F. x $1\frac{1}{8}$ " long drilled	"	8	Pulley to spacing piece
9/33/15132	17944		Nut, $\frac{3}{8}$ " B.S.P. slotted ... ..	"	8	"
	17359		Split pin $\frac{1}{16}$ " x $\frac{7}{8}$ " long ... ..	"	8	"
	41201		Bolt— $\frac{3}{8}$ " B.S.F. x $1\frac{3}{4}$ " long drilled	"	8	Output coupling to pulley spacing piece
	17946		Nut, $\frac{7}{16}$ " B.S.F. slotted ... ..	"	16	"
	17654		Split pin $\frac{3}{32}$ " x $\frac{5}{8}$ " long ... ..	"	16	"
	41026		Distance piece ... ..	"	4	For assy. & transit purposes only
	41532		$\frac{7}{8}$ " B.S.F. stud x $2\frac{1}{4}$ " long ...	List 6494	4	
	37584	295	Input coupling ... ..	List 5744, 6484 5963, 6085	1	Two grooves
	37583	296	Output coupling ... ..	List 6230, 6231 7002, 5744, 5963	1	
9/15/95397	37586		Pulley spacing piece ... ..	List 5744, 6230	1	Four Grooves
	36113		Pulley ... ..	List 5744, 6230	1	Pulley to pulley spacing piece
	37587/1		Bolt, $\frac{3}{8}$ " B.S.F. x $1\frac{1}{8}$ " long, drilled	"	8	"
9/33/15132	17944		Nut, $\frac{3}{8}$ " B.S.F. slotted ... ..	"	8	"
	17359		Split pin, $\frac{1}{16}$ " x $\frac{7}{8}$ " long ... ..	"	8	"
	37587/2		Bolt, $\frac{3}{8}$ " B.S.F. x $1\frac{5}{8}$ " long drilled	"	8	Output cplg. to pulley spacing piece
9/33/15132	17944		Nut, $\frac{3}{8}$ " slotted ... ..	"	8	"
	17359		Split pin x $\frac{7}{8}$ " long ... ..	"	8	"
	37589		Distance piece ... ..	"	8	For assy. and transit purposes only
	41027		Output coupling ... ..	List 6484	1	
	41319		Pulley spacing piece ... ..	"	1	
	41318		Pulley ... ..	"	1	Five grooves
	14831		Bolt, $\frac{7}{16}$ " B.S.F. x $1\frac{1}{8}$ " long drilled	"	8	
	41201		Bolt, $\frac{7}{16}$ " B.S.F. x $1\frac{3}{4}$ " long drilled	"	12	
	17946		Nut, $\frac{7}{16}$ " B.S.F. slotted ... ..	"	12	
	17654		Split pin, $\frac{3}{32}$ " x $\frac{5}{8}$ " long ... ..	"	12	
	41026		Distance piece ... ..	"	4	
9/15/93238	39703		Input coupling ... ..	List 6231	1	Two grooves
	44010		Input pulley ... ..	List 6721, 7027	1	Four grooves

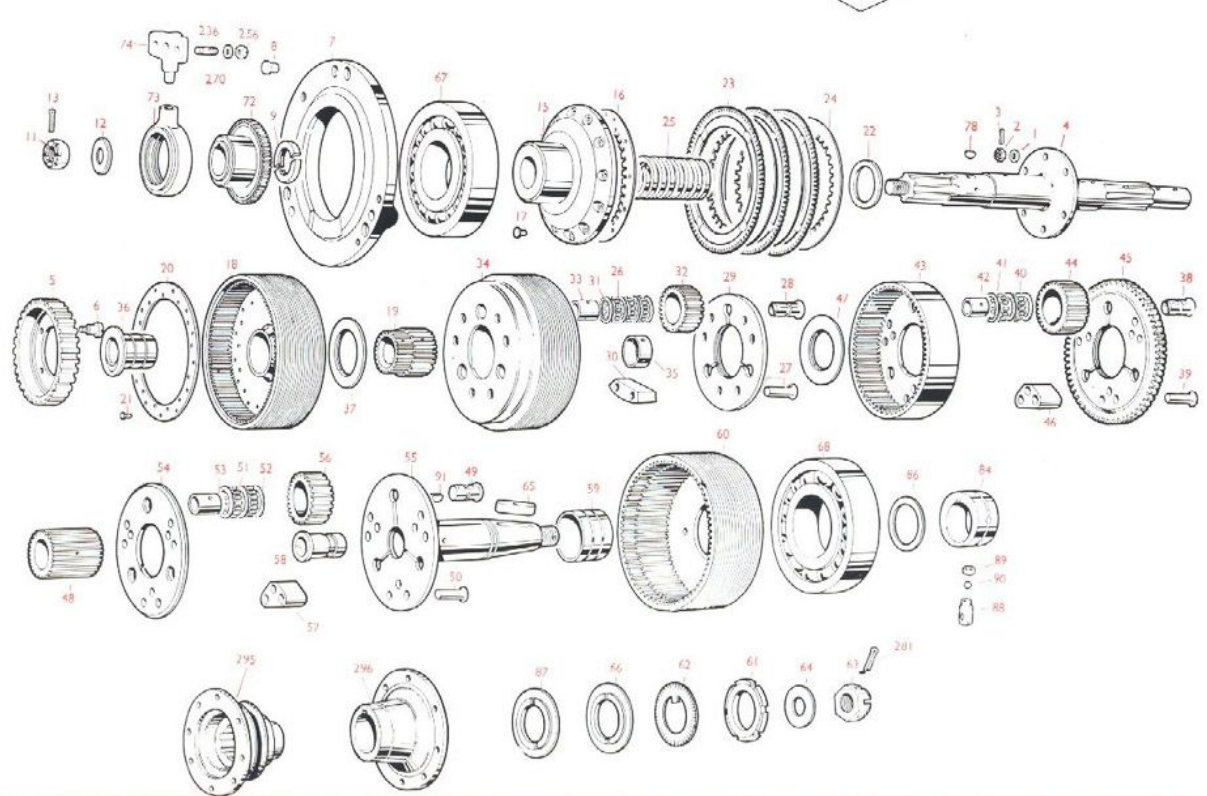
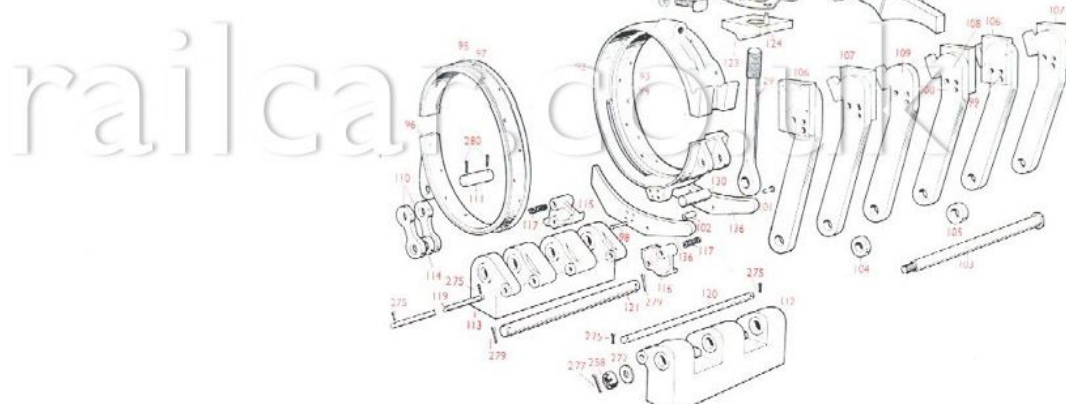
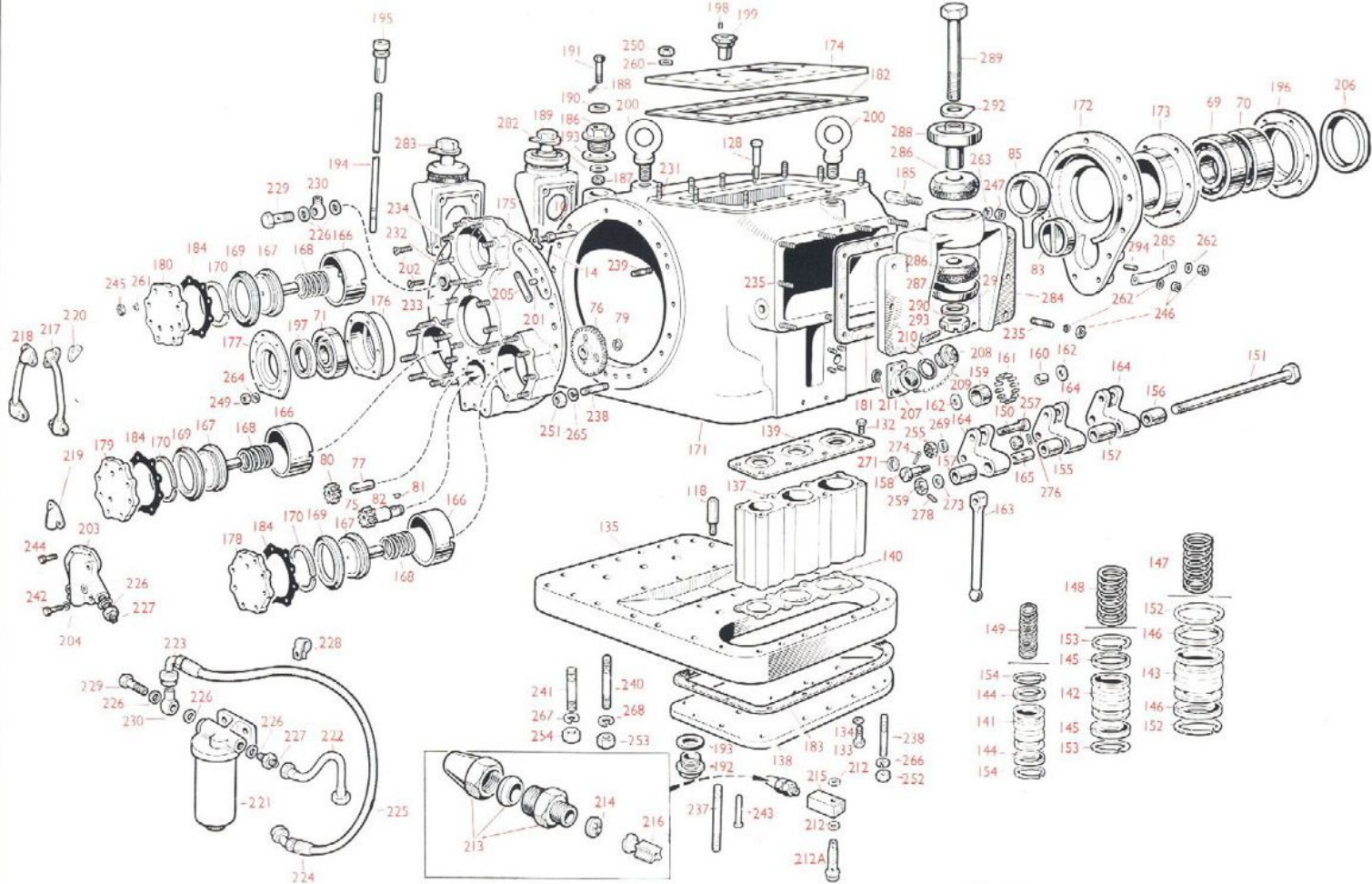
**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	44480		<b>Output coupling</b> ... ..	List 6085	1	
	37583		Output coupling ... ..	List 7002	1	
9/15/93059	44175		Input coupling ... ..	"	1	
9/15/93285	39064		$\frac{1}{4}$ " U.N.F. csk. screw x $\frac{9}{16}$ " long	List 6721, 7002 7027	4	Pulley to input coupling
9/15/93057	43732		Input coupling ... ..	List 6924	1	
9/15/93060	43748		Output coupling ... ..	"	1	
9/15/93061	43768		Output coupling ... ..	List 6721, 7027	1	
9/15/93058	44008		Input coupling ... ..	"	1	Two grooves
	43738		$\frac{7}{8}$ " B.S.F. bolt x $1\frac{1}{4}$ " long drilled	List 6924	12	
9/15/95385	23399		$\frac{1}{4}$ " B.S.F. bolt x $\frac{5}{8}$ " long ... ..	List 7002, 6721 7027	2	Driving shaft
9/15/95382	37755		Locking bar (driving shaft) ...	List 7002, 6721 7027	1	
9/15/95389	37756		Tabwasher (driving shaft) $2\frac{1}{4}$ " O/all	"	1	
9/15/93237	39785		Pulley (input) ... ..	List 7002	1	Four grooves
9/15/93359	42650		Spacing washer ... ..	List 7002, 6721 7027	3	
9/15/93175	44013		Distance piece, outer ... ..	"	1	Input bearings
9/15/93174	44014		Distance piece, inner ... ..	"	1	Input bearings
9/15/93345	44017		Shimwasher ... ..	"	As req.	Input oil seal housing
9/15/93344	44018		Shimwasher ... ..	"	As req.	Input oil seal housing
9/15/93095	44019		Gasket, oil seal housing ...	"	1	
9/15/93138	44020		Bearing, Hoffmann, R.1602 ...	"	1	
9/15/93372	45377		Dowel ... ..	List 7027	5	Mounting brackets and gearcase
	A6425		<b>Mounting bracket, complete</b> ...	List 7027	1	
9/15/93024	44365		Mounting bracket ... ..	"	1	
	25286		$\frac{5}{8}$ " dia. plain washer ... ..	"	2	
	17330		$\frac{5}{8}$ " dia. spring washer, single coil	"	8	
9/15/93371	44368		Distance collar ... ..	"	2	Mounting bracket
9/15/93152	42857		Metacone type mounting ...	"	4	
	42862		$\frac{3}{8}$ " U.N.F. bolt x $\frac{3}{4}$ " long drilled	"	8	
9/15/93375	44366		$\frac{3}{8}$ " B.S.F. bolt x $8\frac{1}{8}$ " long drilled	"	2	
9/15/93376	44367		Washer, $2\frac{1}{4}$ " O/D x $\frac{3}{32}$ " I/D x $\frac{3}{8}$ "	"	1	Steel
9/15/93303	44386		Sleeve ... ..	"	1	
	19069		Split pin, $\frac{5}{32}$ " x 2" long ... ..	"	1	
9/15/93377	44502		$\frac{3}{4}$ " B.S.F. bolt x $4\frac{3}{8}$ " long drilled ...	"	1	
9/33/15151	44501		$\frac{3}{4}$ " B.S.F. slotted nut ... ..	"	1	
9/15/93370	44394		Locating piece ... ..	"	2	
9/33/15150	44490		$\frac{5}{8}$ " B.S.F. nut, slotted ... ..	"	2	
	17991		Split pin $\frac{1}{8}$ " x $1\frac{1}{2}$ " long ... ..	"	2	
9/15/93179	42858		Locating piece ... ..	"	2	



**GEARBOX S.C.G. Section Type S.E.4**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
	A6426		<b>Mounting bracket and side cover complete</b> ... ..	List 7027	1	
9/15/93028	44369		Mounting bracket and side cover	"	1	
	25286		$\frac{5}{8}$ " dia. plain washer ... ..	"	2	
	17330		$\frac{3}{8}$ " dia. spring washer, single coil	"	8	
9/15/93371	44368		Distance collar ... ..	"	2	
9/15/93152	42857		Metacone type mounting ... ..	"	4	
	42862		$\frac{3}{8}$ " U.N.F. bolt, $\frac{3}{4}$ " long drilled ...	"	8	
9/15/93375	44366		$\frac{5}{8}$ " B.S.F. bolt x $8\frac{1}{8}$ " long drilled	"	2	Special
9/15/93376	44367		Washer ... ..	"	1	
9/15/93303	44386		Sleeve ... ..	"	1	
	19069		Split pin $\frac{5}{32}$ " x 2" long ... ..	"	1	
9/15/93377	44502		$\frac{3}{4}$ " B.S.F. bolt x $4\frac{3}{8}$ " long drilled	"	1	Special
9/33/15151	44501		$\frac{3}{4}$ " B.S.F. slotted nut ... ..	"	1	
9/15/93370	44394		Locating piece ... ..	"	2	Mounting bolt
9/33/15150	44490		$\frac{5}{8}$ " B.S.F. nut ... ..	"	2	
	17991		Split pin $\frac{1}{8}$ " x $1\frac{1}{2}$ " long ... ..	"	2	
9/15/93179	42858		Locating piece ... ..	"	2	
			<b>SPECIAL TOOLS</b>			
	11479		Box spanner for auto. adj. nut ...	"	1	
	11478		'C' spanner ... ..	"	1	
	29859		Toggle setting gauge ... ..	"	1	1st speed
	23510		Ring spanner ... ..	"	1	
	28960		Toggle setting gauge ... ..	"	1	2nd and 3rd sp.



SE4 GEARBOX

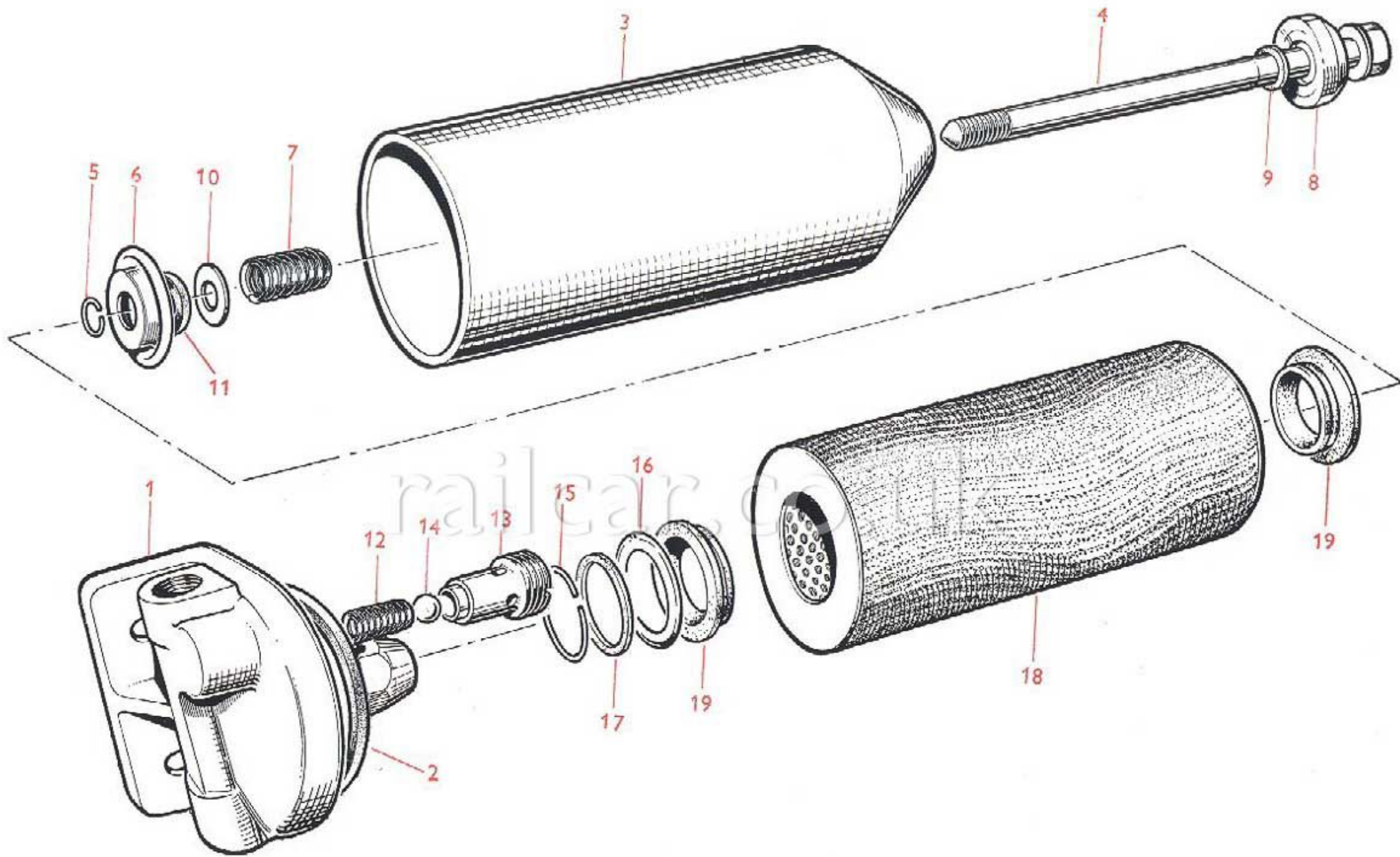
**OLD TYPE FILTER**

**GEARBOX S.C.G. Section Type S.E.4.**

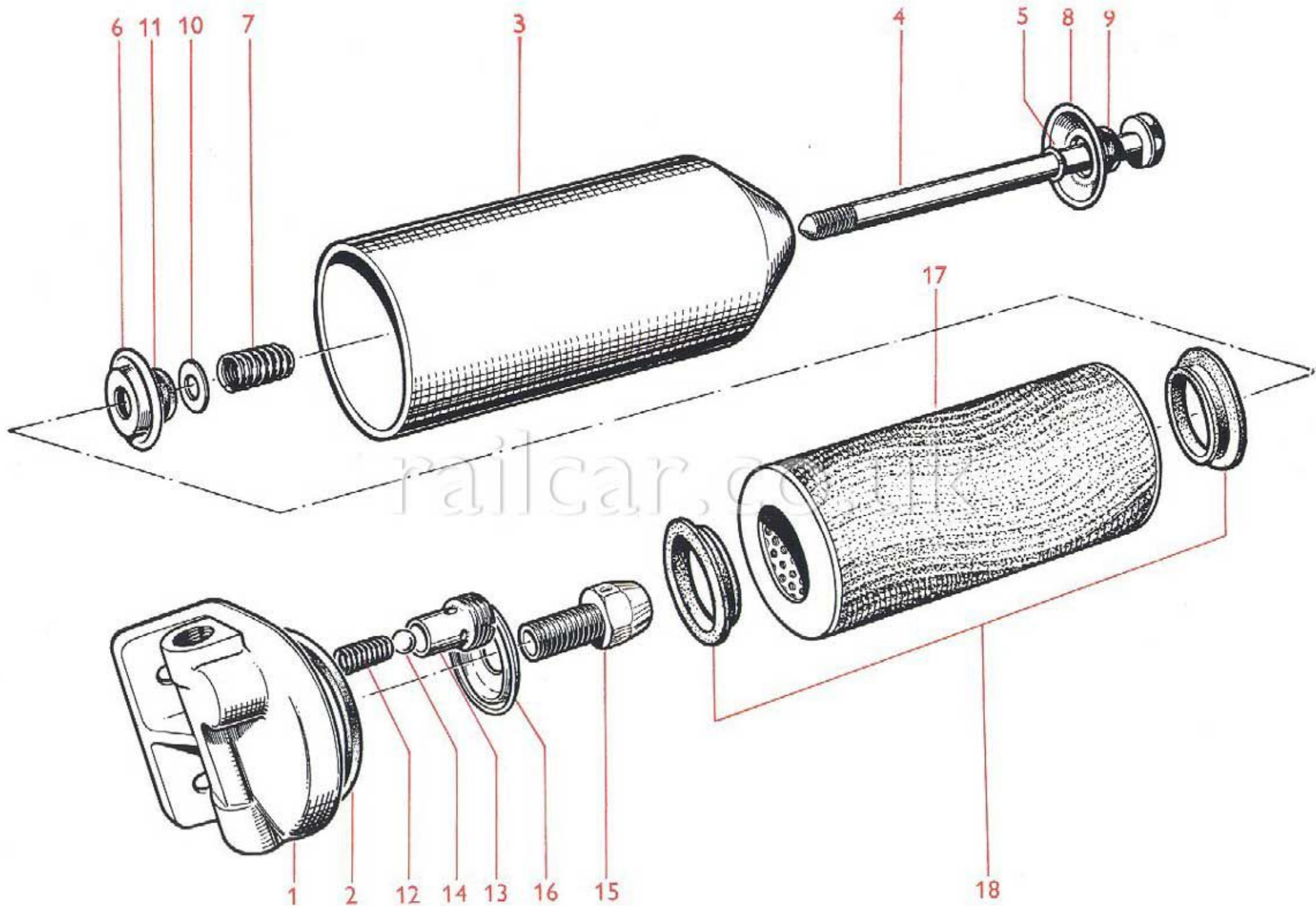
B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95580	A6295		<b>Filter complete</b> ... ..	All List Nos.	1	Purolator P.U.334
9/15/95595	36421	1	Filter head ... ..	"	1	MIC 4703
9/15/95599	36424	2	Seal—upper ... ..	"	1	MIC 4081
9/15/95608	36425	3	Sump ... ..	"	1	MIC 5336
9/15/95587	36426	4	Centre bolt ... ..	"	1	MIC 5669
9/15/95645	36427	5	Circlip ... ..	"	1	MIC 4080
9/15/95593	36428	6	Element guide—lower ... ..	"	1	MIC 4076
9/15/95606	36431	7	Spring—element ... ..	"	1	MIC 4083
9/15/95598	36433	8	Reinforced plate ... ..	"	1	MIC 4841
9/15/95600	36432	9	Seal—lower ... ..	"	1	MIC 4347
9/15/95613	36430	10	Washer ... ..	"	1	K 19109
9/15/95597	36429	11	Seal—centre ... ..	"	1	MIC 4096
9/15/95607	36434	12	Spring—relief valve ... ..	"	1	MIC 5283
9/15/95583	36436	13	Retaining body—relief valve ... ..	"	1	MIC 4759
9/15/95611	36435	14	Cup valve—relief valve ... ..	"	1	MIC 4651
9/15/95663	36422	15	Centre tube ... ..	"	1	MIC 4071
9/15/95649	36423	16	Element guide—upper ... ..	"	1	MIC 4075
9/15/95647	A6413		<b>Filter element complete</b> ... ..	"	1	} MP 12239
9/15/93405	44209	17	Filter element ... ..	"	1	
9/15/93406	36438	18	Filter element seals ... ..	"	2	

**NEW TYPE FILTER**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Req. Per Gearbox	Remarks
9/15/95580	A7450		<b>Filter complete</b> ... ..	All List Nos.	1	Purolator P.U.385
9/15/93393	48591	1	Filter head ... ..	"	1	MIC 12664
9/15/93394	48593	2	Seal—upper ... ..	"	1	MIC 10977
9/15/93395	48596	3	Sump ... ..	"	1	MIC 9258
9/15/93366	48597	4	Centre bolt ... ..	"	1	MIC 9004
9/15/95645	36427	5	Circlip ... ..	"	1	MIC 9029
9/15/95593	36428	6	Element guide—lower ... ..	"	1	MIC 4076
9/15/95606	36431	7	Spring—element ... ..	"	1	MIC 4083
9/15/93397	48600	8	Reinforced plate ... ..	"	1	MIC 10063
9/15/93398	48599	9	Seal—lower ... ..	"	1	MIC 8396
9/15/95613	36430	10	Washer ... ..	"	1	K 19109
9/15/95597	36429	11	Seal—centre ... ..	"	1	MIC 4096
9/15/93399	48601	12	Spring—relief valve ... ..	"	1	MIC 8833
9/15/93400	48603	13	Retaining body—relief valve ... ..	"	1	MIC 8832
9/15/93401	48602	14	Cup valve—relief valve ... ..	"	1	MIC 19611
9/15/93402	48598	15	Circlip ... ..	"	1	MIC 8263
9/15/93403	48595	16	Element guide—upper ... ..	"	1	MIC 8884
9/15/93404	48594	17	Seal ... ..	"	1	MIC 8260
9/15/95647	A6413		<b>Filter element complete</b> ... ..	"	1	} MP 12239
9/15/93405	44029	18	Filter element ... ..	"	1	
9/15/93406	36438	19	Filter element seals ... ..	"	2	



OIL FILTER — A7450



**OIL FILTER — A6295**

## NUMERICAL INDEX OF PART NUMBERS

### SELF-CHANGING GEARS LTD. TYPE R.F.28. FINAL DRIVE

FOR

### B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS

List Nos. 6489, 6488, 6084, 6727, 7000, 7008, 7415, 7343

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3765	9/15/93130	3	17326		13	26279	9/15/93242	6
4102	9/15/93032	2	17329		2, 11	26302	9/15/93280	3
4364		7	17330		3, 6, 11	26852	9/43/44965	3
4365/2	9/15/93292	4	17332		12	29538		8
4365/3		3	17334		12	29618	9/15/93045	5
4366/2		4	17335		13	29637	9/15/93364	6
4366/3		4	17337	9/33/30120	1	29639	9/15/93118	6
4367	9/15/93239	6	17342		6, 7	29998	9/43/32714	4
4370	9/15/93194	7	17343	9/15/93340	6	29999	9/43/32716	4
4371/1	9/15/93128	7	17362		6	30076	9/15/93378	2
4372		1	17367		8	30077		2
4394 P/O		9	17369		8	30078	9/15/93231	2
4396 S/O		9	17529		10	30079	9/15/93255	2
4398B		9	17531	9/15/93380	2, 9	30081		10
4478		5	17824	9/15/93381	1	30083		2
4619		9	17947		10	30084	9/15/93046	2
4714		5	17958		9	30422	9/15/93386	3
10100/13		10	17964		13	30620	9/15/93233	3
10873/1	9/77/627	9, 13	17991		10	31400	9/15/93366	13
10873/2	9/15/93382	9	18509	9/15/93122	5	31404	9/15/93192	5
11338	9/15/93157	3	18510	9/15/93311	5	31436	9/15/93089	5
11339	9/15/93347	3	18753		10	31549	9/15/93182	3
11378/2	9/15/93383	9	19033		12	31555		5
11414	9/15/93229	2	19049		7, 8	31557	9/15/93163	4, 5
11415	9/15/93230	2	19050		7, 8	31558	9/15/93235	5
11537/6		10	19055		10	31559	9/15/93207	4
11716	9/15/93281	5	19069		3, 13	31560	9/15/93245	4
11943	9/15/93139	3	19204	9/15/93346	3	31561	9/15/93326	4
11944	9/15/93141	13	19584		10	31563	9/15/93388	4
12666		9	19621		11	31565	9/15/93178	4
14254		9	21851		10	31567	9/15/93066	1
14377		9	22381	9/15/93392	6	31572	9/15/93135	4
15276/4		9	22468	9/33/162	5	31585	9/15/93298	1
15537/6		10	22524		7	31586	9/15/93299	1
15608		6	22534	9/15/93019	4	31587	9/15/93300	1
16284	9/15/93384	9, 10	22572	9/15/93121	5	31594	9/15/93295	3
16354		3	22689		10	31595	9/15/93296	3
16717	9/33/75521	4	22694	9/77/623	9	31596	9/15/93297	3
16724	9/43/44777	4	24226		8	31599	9/15/93129	3
16725	9/43/44775	3	24994		13	31600	9/15/93176	3
17291	9/33/19606	11	25286		13	31601	9/15/93134	3
17300	9/77/4399	11, 13	25287		13	31604	9/15/93140	4

GEARBOX S.C.G. Section Type R.F.28

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31611		3	37323		7	43854		2
31612	9/15/93100	3	37324	9/15/93137	6, 7	43862	9/15/93413	2
32123	9/15/93244	3	37326		7	44054	9/15/93291	5
32124	9/15/93352	3	37331		7	44055	9/15/93143	5
32601	9/15/93197	6	37332		8	44056	9/15/93092	6
32602		1	37333		8	44057	9/15/93367	13
32603	}9/15/93084	6	37334		8	44058	9/15/93217	6
32604		6	37335		8	44084		4
32612		9	37336		8	44085	9/15/93368	13
32619		1	37337		8	44282	9/15/93369	13
33309		6	37338		8	44336		1
33310	9/15/93389	6	37379		10	44537		1
33311	9/15/93390	6	37380		9	44620		2
34874	9/77/8916	2	37381		9	44621		2
34875	9/15/93358	7	37382		9	44623		5
34878	9/15/93356	7	37383		8	44624		1
34881	9/15/93357	7	37384		5	44625		3
35088	9/15/93040	6	37385		8	44628		10
36004/5		7	37399	9/33/80066	7	45600		11
36007/4		7	37503A		9	45601		11
36043	9/15/93332	7	37505B		9	45604		4
36045	9/15/93015	7	37506B		9	45804		13
36053/4		7	37507B		9	45805		13
36402/3	9/33/80067	7	38282	9/15/93012	5	45942		2
37002		10	38495/1		9	45859		11
37204	9/15/93293	4	38586		8	45860		11
37242	9/15/93067	1	38812	9/15/93379	2	45861		11
37243	9/15/93325	4	39084		10	45876		11
37244	9/15/93116	4	39815		1	45877		11
37245		1	39816		1	45902		2
37246		1	39817		1	45923		4
37247		1	40034	9/15/93117	4	45924	9/15/93071	4
37248	9/15/93301	4	40035		4	45955	9/15/93263	4, 5
37249		5	41018		10	A5558	9/15/93113	6
37250	9/15/93068	5	41041	9/15/93007	5	A5561	9/15/93321	8
37251	9/15/93144	5	41042		6	A5562	9/15/93044	8
37252	9/15/93198	5	41043	9/15/93304	5	A5568		1
37253	9/15/93208	1	41045		1	A5569	9/15/93110	1
37254	9/15/93323	4	41046		1	A5582	9/15/93195	8
37255	9/15/93306	2	41047	9/15/93021	5	A5689		8
37256	9/15/93093	2	41049		8	A5777		2
37257	9/15/93271	5	41050		10	A6319	9/15/93088	4
37258	9/15/93294	1	41186	9/15/93385	10	A6320	9/15/93290	5
37311		1	41196	9/15/93219	1	A6580		1
37313	9/15/93172	4	41199	9/15/93074	1	A6811		1
37314	9/15/93041	5	41213	9/15/93098	1	A6821		2
37315		5	41248	9/15/93104	8			
37316	9/15/93030	6	42548		8			
37317		6	42569	9/15/93391	1			
37318	9/33/175	10	42570	9/15/93031	8			
37319	9/33/177	10	42648		2			
37320	9/33/176	10	42847		4			
37321		10	42848		4			

## SPARE PARTS LIST

### SELF-CHANGING GEARS LTD. TYPE R.F.28. FINAL DRIVE

FOR

### B.U.T. DIESEL TRAIN FOR BRITISH RAILWAYS

List Nos. 6489, 6488, 6084, 6727, 7000, 7008, 7415, 7343

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93110	A5569		<b>Gearcase, complete</b> ... ..	List 6489,6727, 7000, 7008	1	
	39817	1	Gearcase—top portion ... ..	"	1	
	39816	2	Gearcase—intermediate portion	"	1	
	39815	3	Gearcase—bottom portion ...	"	1	
	4372		<b>Gearcase, complete</b> ... ..	List 6084	1	
	37245		Gearcase—top portion ... ..	"	1	
	37246		Gearcase—intermediate portion	"	1	
	37247		Gearcase bottom portion ...	"	1	
	A5568		<b>Gearcase, complete</b> ... ..	List 6488	1	Machined to A6812/1
	41046		Gearcase, top portion ... ..	"	1	
	37246		Gearcase, intermediate portion	"	1	
	37247		Gearcase, bottom portion ...	"	1	
9/15/93066	31567	4	Cover, top shaft ... ..	List 6489,6488, 6084,6727,7000, 7008,7415	1	Machined to A6937 Driving pinion end
9/15/93067	37242	5	Cover, top shaft ... ..	All List Nos.	1	Non-driving end
	44624		Bearing thrust plate, (axle) ...	List No. 7343	1	
9/15/93208	37253	6	Bearing thrust plate, (axle) ...	List 6489,6488 6084,6727,7000 7008	2	
9/15/93298	31585	7	Shim (.002") ... ..	All List Nos.		Top shaft end covers
9/15/93299	31586		Shim (.005") ... ..	"		"
9/15/93300	31587		Shim (.020") ... ..	"		"
9/15/93294	37258	8	Axle half shim ... ..	List 6489,6488, 6084,6727,7000 7008, 7343	4	
	32602		Cover plate ... ..	List 6084, 6488	1	
	37311	9	Inspection cover plate ... ..	List 6084	1	
	41045		Inspection cover plate ... ..	List 6488	1	
9/15/93391	42569		Inspection cover plate ... ..	List 7000,7008, 6489, 6727, 7415, 7343	1	
9/15/93098	41213	10	Gasket for inspection cover plate	All List Nos.	1	
9/15/93074	41199	11	Hollow dowel, $\frac{3}{8}$ " dia. x $1\frac{1}{4}$ " long	List 6489,6727 7415,7000,7008 7343	8	Four Dowels be- tween inter and top portion Four Dowels be- tween bottom and inter portion



FINAL DRIVE S.C.G. Section Type RF28

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93381	17824		Name plate ... ..	All List Nos.	1	
	32619		Interlock indicator plate ...	"	1	
9/33/30120	17337		Parker No. 4 drive screw x $\frac{5}{16}$ ...	"	16	
9/15/93219	41196		Direction indicator plate... ..	"	2	
9/15/93032	4102		<b>Breather assy., complete</b> ...	All List Nos.	1	
	30083	12	Breather body ... ..	"	1	
9/15/93046	30084	13	Breather cap ... ..	"	1	
9/15/93380	17531	14	$\frac{3}{8}$ " B.S.F. bolt x $\frac{5}{8}$ " long, drilled	"	1	Special
	17329	15	$\frac{3}{8}$ " dia. spring washer, single coil	"	1	
9/15/93306	37255	16	Oil filler spout ... ..	All List Nos.	1	
9/15/93093	37256		Gasket for oil filler ... ..	"	1	
9/15/93231	30078	17	Oil filler plug ... ..	"	1	
9/15/93229	11414	18	Drain plug ... ..	"	1	
9/15/93230	11415	19	Drain plug and filler plug washer	"	2	
	30077	20	Filler plug chain ... ..	"	1	
9/15/93255	30079		Rivet, MS special ... ..	"	2	
9/15/93378	30076	21	$\frac{7}{8}$ " Whit. eye bolt ... ..	"	2	
	37322	22	Torque arm bracket ... ..	List 6084, 6488, 6489	1	
	43854		Torque arm bracket ... ..	List 6727, 7008 7000	1	
	A5777		<b>Torque arm, complete</b> ...	List 6084, 6488, 6489	1	
	45842	23	Torque arm ... ..	"	1	
	42648		Bush, torque arm ... ..	"	1	
9/15/93379	38812	24	$\frac{3}{4}$ " B.S.F. bolt (special) ... ..	"	4	
	A6821		<b>Torque arm, complete</b> ...	List 7008, 6727 7000	1	
	45902		Torque arm ... ..	"	1	
9/15/91413	43862		Bush, Metalastik ... ..	"	1	
9/77/8916	34874		Sealing washer ... ..	List 6084, 6727	1	Supplied by B.U.T. B.U.T. Ref. BWI/ 1923
9/77/8916	44620		Torque arm plate ... ..	List 7343	8	Dowty Ref. GD. 1307/12
	44621		Torque arm ... ..	"	1	
					1	

**FINAL DRIVE S.C.G. Section Type RF28**

B.R. Cat. No.	S.C.G. Part No.	Illust. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93130	3765		<b>Input bevel housing, complete with top shaft</b> ... ..	All List Nos.	1	Supplied complete with 4365/3
9/15/93129	31599	25	Input bevel housing ... ..	"	1	
9/15/93182	31549	26	Input bevel pinion ... ..	"	1	Can only be supplied as lapped sets with bevel wheel 45923
9/43/44775	16725	27	Taper roller bearing, outer ... ..	"	1	Timken 639/632
9/43/44965	26852	28	Taper roller bearing, inner ... ..	"	1	Timken 832/842
9/15/93176	31600	29	Distance piece ... ..	"	1	
9/15/93244	32123	30	Locking ring ... ..	"	1	
9/15/93352	32124	31	Washer, locking ring, special ... ..	"	1	
9/15/93134	31601	32	Oil seal housing ... ..	"	1	
	44625		Distance piece, top shaft ... ..	List 7343	1	
9/15/93280	26302	33	Oil seal ... ..	All List Nos.	1	Gaco MIS.38
9/33/174	16354	34	$\frac{3}{8}$ " B.S.F. bolt x $1\frac{1}{4}$ " long ... ..	"	6	} Oil seal housing to bevel housing
	17330	35	$\frac{3}{8}$ " dia. spring washer, single coil ... ..	"	6	
9/15/93139	11943	36	Key, coupling flange ... ..	"	1	
9/15/93157	11338	37	Nut, special $1\frac{1}{4}$ " B.S.P. free fit ... ..	"	1	Input shaft
9/15/93347	11339	38	Washer, special ... ..	"	1	Input shaft
	19069	39	Split pin $\frac{5}{32}$ " dia. x 2" long ... ..	"	1	
9/15/93233	30620		$\frac{1}{4}$ " B.S.F. plug ... ..	"	1	
9/15/93270	31611	40	Oil scoop ... ..	"	1	
9/15/93100	31612	41	Gasket—oil scoop... ..	"	1	
9/15/93386	30422	42	2 B.A. bolt x $\frac{3}{4}$ " long special ... ..	"	2	Oil scoop to input housing
9/15/93295	31594	43	Shims (.002") ... ..	"	As req.	} Input housing to Casing
9/15/93296	31595		Shims (.005") ... ..	"	"	
9/15/93297	31596		Shims (.020") ... ..	"	"	
9/15/93234	43751		$\frac{1}{8}$ " B.S.P. plug ... ..	"	1	} Input oil seal housing
9/15/93346	19204		Copper washer, special ... ..	"	1	
	4365/3		<b>Top shaft, complete</b> ... ..	List 6727	1	

**FINAL DRIVE S.C.G. Section Type RF28**

B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93292	4365/2		<b>Top shaft, complete</b> ... ..	List 6489, 7415, 6488, 6084, 7343, 7000, 7008	1	
9/15/93293	37204	44	Top shaft ... ..	All List Nos.	1	
9/15/93071	45924	45	Sliding dog ... ..	"	1	
9/15/93182	45923	46	Bevel wheel ... ..	"	2	Can only be supplied in lapped sets with bevel pinion 31549.
9/15/93135	31572	47	Bevel hub ... ..	"	2	
9/15/93387	31609	48	$\frac{5}{8}$ " B.S.F. bolt x $1\frac{7}{8}$ " long special	"	12	Drilled
9/43/32714	29998	49	Roller bearing, outer ... ..	"	2	Hoffman RL.19L
9/43/32716	29999	50	Roller bearing, inner ... ..	"	2	Hoffman RL.19F
9/15/93326	31561	51	Oil thrower $\frac{3}{4}$ " wide x 3.937" dia.	"	1	
9/15/93325	37243	52	Oil thrower $\frac{1}{2}$ " wide x 3.937" dia.	"	1	
9/15/93245	31560	53	Oil collector ring ... ..	"	2	
9/15/93181	40035	54	Driving pinion ... ..	List 6489, 7415, 6488, 6084, 7343, 7000, 7008,	1	23 teeth
	42848		Driving pinion ... ..	List 6727	1	26 teeth
9/15/93178	31565	55	Distance piece ... ..	All List Nos.	2	
9/15/93140	31604	56	Key ... ..	"	1	Driving pinion
9/43/44777	16724	57	Taper roller bearing ... ..	"	2	Timken 641/632
9/15/93207	31559	58	Bearing retainer plate ... ..	"	1	
9/15/93388	31563	59	$\frac{3}{8}$ " B.S.F. bolt x $1\frac{1}{2}$ " long special, drilled ... ..	"	4	Retaining plate top to shaft.
9/15/93019	22534	60	$\frac{3}{8}$ " B.S.F. bolt x $1\frac{1}{8}$ " long special, drilled ... ..	"	12	Collector ring to hub.
	4366/3		Axle assembly, complete ... ..	List 6727	1	
	4366/2		<b>Axle assembly, complete</b> ... ..	List 6489, 7343, 6488, 6084, 7000, 7008	1	
9/15/93117	40034	61	Axle gear ... ..	List 6489, 7343, 6488, 6084, 7000, 7008	1	41 teeth
	42847		Axle gear ... ..	List 6727	1	38 teeth
9/33/75521	16717	62	Taper roller bearing ... ..	List 6489, 6488, 6084, 6727, 7000, 7008, 7343	2	Timken 94113/94700
9/15/93323	37254	63	Oil thrower 2.281" wide x 8.75" dia.	"	2	
9/15/93301	37248	64	Sleeve ... ..	"	1	For axle.
9/15/93116	37244	65	Pump gear ... ..	"	1	
9/15/93172	37313	66	Spacing piece ... ..	"	2	
9/15/93088	A6319		<b>Dog shifting fork, complete</b> ... ..	List 6489, 7415, 7008, 6727, 7000, 7343	1	
	44084	67	Dog shifting fork ... ..	"	1	
9/15/93163	31557	68	Pad ... ..	"	4	Dog shifting fork
9/15/93263	45955	69	Rivet Countersunk, steel ... ..	"	4	Pad to dog shifting fork.
	45604		Distance ring ... ..	List 7415	1	Between bearing & end cover on top shaft

**FINAL DRIVE** S.C.G. Section Type RF28

B.R. Cat. No.	S.C.G. Part No.	Illustr. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
	4478		<b>Dog shifting fork, complete</b> ...	List 6084	1	
	37384		Dog shifting fork ... ..	"	1	
9/15/93163	31557		Pad ... ..	"	4	Dog shifting fork
9/15/93263	45955		Rivet, copper, countersunk head, 3/8" x 1 1/2" long ... ..	"	4	Pad to dog shifting fork.
	4714		<b>Dog shifting fork, complete</b> ...	List 6488	1	
	31555		Dog shifting fork ... ..	"	1	
9/15/93163	31557		Pad ... ..	"	4	Dog shifting fork
9/15/93263	45955		Rivet, copper, csk. hd. 3/16" x 1 1/2" long ... ..	"	4	Pad to dog shifting fork.
9/15/93021	41047	70	Bolt, 5/8" B.S.F. x 4 1/2" special ...	List 6489, 7415 7000, 6727, 7008, 6488,	2	For selector fork
9/33/162	22468		Bolt 5/8" B.S.F. x 4 5/8" special ...	List 6084	2	Drilled
9/15/93006	41041	71	Selector bar ... ..	List 6489, 6727, 7000, 7008, 7415 7343	1	
	37249		Selector bar ... ..	List 6084, 6488	1	
9/15/93068	37250	72	Forward & Reverse air cylinder ...	List 6489, 6488, 6084, 6727, 7000 7008, 7415	2	
9/15/93045	29618	73	Cylinder cap ... ..	"	2	
	44623		Cylinder cap ... ..	List 7343	1	
9/15/93198	37252	74	Piston ... ..	All List Nos.	2	
9/15/93271	37257	75	Adjuster screw, special ... ..	"	2	
9/15/93281	11716	76	Piston seal ... ..	"	4	Dowty PD.2850-485
9/15/93235	31558	77	Locking plunger ... ..	"	1	Selector mechanism
9/15/93311	18510	78	Spring ... ..	"	1	Locking plunger
9/15/93122	18509	79	Handle ... ..	"	1	"
9/15/93121	22572	80	Guide ... ..	"	1	"
9/15/93089	31436	81	Gasket ... ..	"	2	Air cylinder
9/15/93144	37251	82	Liner ... ..	"	2	"
9/15/93041	37314	83	Bush Bronze 1" long ... ..	List 6489, 6727, 7000, 7008, 7415 7343	2	Selector bar
9/15/93041	37314		Bush Bronze 1" long ... ..	List 6084, 6488	1	"
	37315		Bush bronze 1 3/4" long ... ..	"	1	"
9/15/93304	41043	84	Sleeve for neutral lock ... ..	List 6489, 6727, 7000, 7008, 7415, 7343	1	Selector mechanism
9/15/93290	A6320		<b>Sub assy., shaft &amp; lever for shift- ing fork</b> ... ..	List 7000, 7415	1	
9/15/93192	31404		Pin, special ... ..	"	1	
9/15/93012	38282		Block ... ..	"	1	
9/15/93291	44054		Shaft ... ..	"	1	
9/15/93143	44055		Lever ... ..	"	1	

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B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
	17330		$\frac{3}{8}$ " Spring washer, single coil ...	List 6489, 7000, 7008,6727,7343	4	
9/15/93392	22381		Bolt $\frac{3}{8}$ " B.S.F. x $\frac{3}{4}$ " long, special	List 6489, 7343,7008,6727	4	
9/15/93092	44056		Gasket, cover plate, air cylinder	List 6489, 7000, 7343,7008,6727	1	
9/15/93217	44058		Cover plate, air cylinder ...	7415 List 6489, 7415 7008,6727,7343	1	
9/15/93239	4367		<b>Oil pump, complete</b> ... ..	All List Nos.	1	
9/15/93240	3143	85	Reversible pump ... ..	"	1	Hobourn Heaton Ref. 664
9/15/93030	37316	86	Bracket—oil pump ... ..	"	1	
9/15/93040	35088	87	Bush ... ..	"	1	
9/15/93242	26279	88	'O' ring, for bush ... ..	"	1	Dowty PP.107 B.12
9/15/93118	29639	89	Pump gear ... ..	"	1	
	33309	90	Taper pin, $\frac{3}{32}$ " x $1\frac{1}{2}$ " long ... ..	"	1	B.S. $\frac{3}{32}$ " x $1\frac{1}{2}$ "
9/15/93084	32603	91	Oil filter ... ..	"	1	} Not supplied separately
	32604		Mounting plate—oil filter ... ..	"	1	
9/15/93364	29637	92	Elbow for oil pump ... ..	"	1	
9/15/93197	32601		Oil delivery pipe ... ..	"	1	
9/15/93389	33310	93	$\frac{7}{16}$ " B.S.F. stud, $1\frac{3}{4}$ " long ... ..	"	2	} Oil pump to bracket
	37317	94	$\frac{7}{16}$ " B.S.F. slotted nut ... ..	"	2	
	17362	95	Split pin $\frac{3}{32}$ " dia. x $1\frac{1}{2}$ " long ... ..	"	2	
9/15/93390	33311	96	$\frac{3}{16}$ " B.S.F. bolt x $\frac{5}{8}$ " long, special ... ..	"	4	} Filter and elbow to oil pump
	15608	97	$\frac{3}{16}$ " dia. plain washer, steel ... ..	"	4	
9/33/25012	17342	98	$\frac{1}{2}$ " B.S.P. drain plug ... ..	"	1	
9/15/93340	17343	99	Drain plug washer, $\frac{1}{2}$ " gas ... ..	"	1	Fibre
9/15/93113	A5558		<b>Sub assy. of bevel gear and bearing lubricator</b> ... ..	List 6489, 7000, 7008,6727,7415 7343	1	
	41042		Oil distribution pipe ... ..	"	1	
9/15/93137	37324	100	Oil feed elbow joint ... ..	"	1	

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B.R.Cat. No.	S.C.G. Part No.	Illustn. Ref.	Description	Used On	No. Per Final Drive	Remarks
	4364		<b>Sub assy. of bevel gear and bearing lubricator</b> ... ..	List 6084, 6488	1	
9/15/93137	37323		Oil distribution pipe ... ..	"	1	
	37324		Oil feed elbow joint ... ..	"	1	
	22524		End cap ... ..	"	1	For oil distribution pipe
9/15/93015	36045	101	Banjo bolt ... ..	All List Nos.	1	
9/15/93332	36043	102	Banjo union ... ..	"	1	
9/15/93357	34881	103	Sealing washer ... ..	"	2	For $\frac{3}{8}$ " B.S.P. Dowty GD.1307/F
	37326		Pipe clip ... ..	List 6084, 5488	2	
9/15/93356	34878		Sealing washer ... ..	All List Nos.	1	For $\frac{1}{2}$ " B.S.P. Dowty GD.1307/D
9/33/80066	37399	104	Union ( $\frac{5}{8}$ " x $\frac{1}{2}$ " B.S.P.) ... ..	"	1	
9/15/93128	4371/1	105	<b>Aeroquip hose, complete</b> ... ..	All List Nos.	1	Oil pump to gallery pipe Aeroquip 202-10 Aeroquip 240-10 Aeroquip 501-10
	36004/5		End fitting (straight) ... ..	"	1	
	36007/4		End fitting (135°) ... ..	"	1	
	36053/4		Hose (20.5" long) ... ..	"	1	
9/15/93194	4370	106	<b>Oil pipe, complete</b> ... ..	All List Nos.	1	Gallery pipe to bearing
	37331		Oil pipe ( $\frac{3}{8}$ " o/dia.) ... ..	"	1	
	19050		Union nut ( $\frac{3}{8}$ " B.S.P.) ... ..	"	2	
	19049		Union nipple ( $\frac{3}{8}$ " B.S.P.) ... ..	"	2	
9/15/93358	34875	107	Sealing washer ... ..	All List Nos.	4	Dowty GD.1307/C
9/33/80067	36402/3	108	Union ( $\frac{3}{8}$ " B.S.P.) ... ..	"	4	
9/15/93137	37324		Oil feed elbow joint ... ..	List 6489, 6727, 7343, 7000, 7008, 7415	1	
9/33/25012	17342		Plug— $\frac{1}{2}$ " B.S.P. ... ..	"	1	

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B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93195	A5582		<b>Oil pipe, complete</b> ... ..	List 6489, 6727, 7000,7008,7415	1	Gallery to bearing
	41049		Oil pipe $\frac{3}{8}$ " o/dia. L.H. ... ..	"	1	
	19050		Union nut $\frac{3}{8}$ " B.S.P. ... ..	"	2	
	19049		Union nipple $\frac{3}{8}$ " B.S.P. ... ..	"	2	
9/15/93321	A5561	109	Direction indicator switch ... ..	List 6489, 7008, 6727,7000,7415	1	Burton Griffiths Ref. F.A. 0903/SCG
9/15/93044	A5562	110	Cable & plug unit ... ..	List 6489, 7008, 7343,6727,7000, 7415, 6488	1	B. Griffiths 499-3887
9/15/93031	42570	111	Switch operating bracket ... ..	List 6489,7008 6727,7000,7343, 7415	1	
9/15/93104	41248	112	Gasket for direction indicator switch ... ..	List 6489, 7008, 6727,7000,7415, 6488, 7343	1	
	37336		Housing for Indicator switch ... ..	List 6084	1	
	37338		Nut for housing, special ... ..	"	1	
	37337		Lid for switch housing ... ..	"	1	
	17367		Screw (2 B.A.) x $\frac{5}{8}$ " long ... ..	"	6	Lid to switch housing
	17369		Spring washer 2 BA single coil ... ..	"	6	"
	37332		Indicator switch ... ..	"	2	"
	37383		4 B.A. bolt x $1\frac{1}{8}$ " long ... ..	"	4	Indicator switch to housing
	24226		4 B.A. nut ... ..	"	4	"
	29538		4 B.A. shakeproof washer ... ..	"	4	"
	37385		Clamping plate for switch ... ..	"	2	
	37333		Operating plunger ... ..	"	2	
	37334		Spring for plunger ... ..	"	2	
	37335		Plunger spring housing ... ..	"	1	
	38586		Socket head cap screw ... ..	"	1	Plunger spring housing to gear-case
	A5689		Direction indicator switch ... ..	List 6488	1	B.G. Ref. FA 0903/ Mod. SCG
	42548		Switch operating bracket ... ..	"	1	

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B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
	4619		<b>Switch operating rod, complete</b>	List 6084	1	
	37380		Bracket for switch operating rod	"	1	
	37381		Switch operating rod ... ..	"	1	
	37382		Locating block for rod ... ..	"	1	
	17958		Rivet—for locating block csk. hd. $\frac{1}{8}$ " x 1" long ... ..	"	1	Mild steel
	4394 P/O		Mark 4—3 way panel mounted plug	"	1	Plessey Part No. 2 CZ/84781
	4396 S/O		Mark 4—3 way free socket ...	"	1	Plessey Part No. 2 CZ/83283 Supplied complete with necessary nut, bolts, washers, etc.
	4398.B		Mark 4—90° outlet assembly ...	"	1	Plessey Part No. CZ/63041
	37503.A		Rubber outlet gasket ... ..	"	1	Plessey Part No. Z/60667
	37507.B		Rubber sealing ring ... ..	"	1	Plessey Part No. Z/62229
	37506.B		Inner ferrule ... ..	"	1	Plessey Part No. Z/49041
	37505.B		Outer ferrule ... ..	"	1	Plessey Part No. Z/49042
	38495/1		3 core cable—36" long ... ..	"	1	Tri-Vin. Met. small
	14377	113	$\frac{3}{16}$ " B.S.F. hex. hd. bolt x 1" long, special ... ..	List 6489, 7000, 7008,6727,7415	4	Neutral lock sleeve to casing.
9/15/93380	17531	114	$\frac{5}{16}$ " B.S.F. hex. hd. bolt x $\frac{5}{8}$ " long, special ... ..	List 6489, 7000, 7008,6727,6488, 7415	8	Indicator switch to inspection cover.
9/77/623	22694	115	$\frac{3}{16}$ " B.S.F. hex. hd. bolt x $1\frac{1}{4}$ " long, special ... ..	All List Nos.	2	Locking plunger guide to sleeve.
9/77/627	10873/1	116	$\frac{3}{8}$ " B.S.F. hex. hd. bolt x 1" long, special ... ..	List 6489, 7000, 7008,6727,7415	4	Oil feed joint to casing.
9/77/627	10873/1		$\frac{3}{8}$ " B.S.F. hex. hd. bolt x 1" long, special ... ..	List 6084, 6488	2	"
	14254	117	$\frac{3}{8}$ " B.S.F. hex. hd. bolt x $1\frac{1}{8}$ " long, special ... ..	All List Nos.	2	Oil filler to casing.
	15276/4	118	$\frac{3}{8}$ " B.S.F. hex. hd. bolt x $1\frac{1}{4}$ " long, special ... ..	"	12	Air cyl. cap to air cyl.
	32612	119	$\frac{3}{8}$ " B.S.F. hex. hd. bolt x $2\frac{11}{16}$ " long, special ... ..	"	2	Oil filler to bottom casing.
	12666	120	$\frac{3}{8}$ " B.S.F. hex. hd. bolt x 1" long, special ... ..	List 6489, 7000, 7008,6727,6488, 7415	2	Switch op. brkt. to selector fork.
9/15/93382	10873/2	121	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x 2" long, special ... ..	List 6489, 7000, 7008,6727,	6	Interm. to top casing—2. Interm. to bottom casing—4.
9/15/93383	11378/2	122	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{13}{16}$ " long, special ... ..	"	5	Interm. to top casing—2. Interm. to bottom casing—3.



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B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
9/15/93383	11378/2		$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{13}{16}$ " long, special ... ..	List 6084, 6488	20	Interm. to top casing—7. Interm. to bottom casing—13.
9/15/93384	16284	123	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{1}{2}$ " long, special ... ..	List 6489, 7000, 7008,6727,7415	15	Interm. to top casing—11. Interm. to bottom casing—4.
9/15/93384	16284 19584	124	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{1}{2}$ " long $\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{1}{16}$ " long, special ... ..	List 6084, 6488 List 6489, 7000, 7008,6727,7343 7415	4 10	Interm. to top casing Inspection cover plate to casing.
	19584		$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{1}{16}$ " long, special ... ..	List 6084, 6488	8	"
	21851	125	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $2\frac{3}{8}$ " long, special ... ..	All List Nos.	6	Air cyl. to casing.
	22689	126	$\frac{1}{2}$ " B.S.F. hex. hd. bolt x $1\frac{5}{8}$ " long, special ... ..	"	12	End covers to casing.
	30081	127	$\frac{5}{8}$ " B.S.F. hex. hd. bolt x $1\frac{3}{8}$ " long, special ... ..	"	22	Brg. thrust plate to casing—16. Input bevel hsg. to casing—6.
	41050	128	$\frac{5}{16}$ " B.S.F. hex. hd. bolt x $2\frac{3}{8}$ " long, special ... ..	List 6489, 7000, 7008,6727,6488, 7415	8	Torque arm brkt. to casing.
	17529		$\frac{3}{16}$ " B.S.F. hex. hd. bolt x $\frac{7}{16}$ " long, special ... ..	List 6084, 6488	2	Cover plate to top casing.
	19055		$\frac{3}{16}$ " B.S.F. hex. hd. bolt x $\frac{5}{8}$ " long, special ... ..	List 6084, 6488	2	Oil pipe clips to casing.
	37321		$\frac{5}{16}$ " B.S.F. hex. hd. bolt (dowel) x $1\frac{1}{2}$ " long, special ... ..	"	8	Interm. to top casing—4. Interm. to bottom casing—4.
9/33/175 9/33/177	37318 37319	129 130	$\frac{3}{4}$ " B.S.F. hex. hd. bolt x 4" long $\frac{3}{4}$ " B.S.F. hex. hd. bolt x 5" long	All List Nos. "	4 6	Interm. to top casing Interm. to top casing—2. Interm. to bottom casing—4.
9/33/176	37320 15537/6	131	$\frac{3}{4}$ " B.S.F. hex. hd. bolt x 9" long $\frac{1}{8}$ " B.S.F. hex. head bolts x $1\frac{1}{2}$ " long, special ... ..	" List 6084	2 4	Interm. to top casing Indicator switch housing to casing.
	37379		$\frac{3}{8}$ " B.S.F. hex. hd. bolt x $1\frac{5}{16}$ " long, special ... ..	"	3	Switch op. rod brkt. to casing.
9/15/93385	41186		$\frac{3}{4}$ " B.S.F. hex. hd. bolt x $8\frac{3}{4}$ " long, special ... ..	List 6489, 7343, 7415	5	Interm. to bottom casing.
	37002		$\frac{5}{8}$ " B.S.F. hex. hd. bolt x $2\frac{5}{8}$ " long, special ... ..	"	8	Torque arm brkt. to casing.
	10100/13 17947	132 133	$\frac{1}{2}$ " B.S.F. stud x $1\frac{5}{8}$ " long, special $\frac{1}{2}$ " B.S.F. plain nut ... ..	All List Nos. List 6489, 7000, 7008,6727,7415,	8 5	Oil pump to casing. Bolts—interm. to top casing—2. Bolts—interm. to bottom casing—3.

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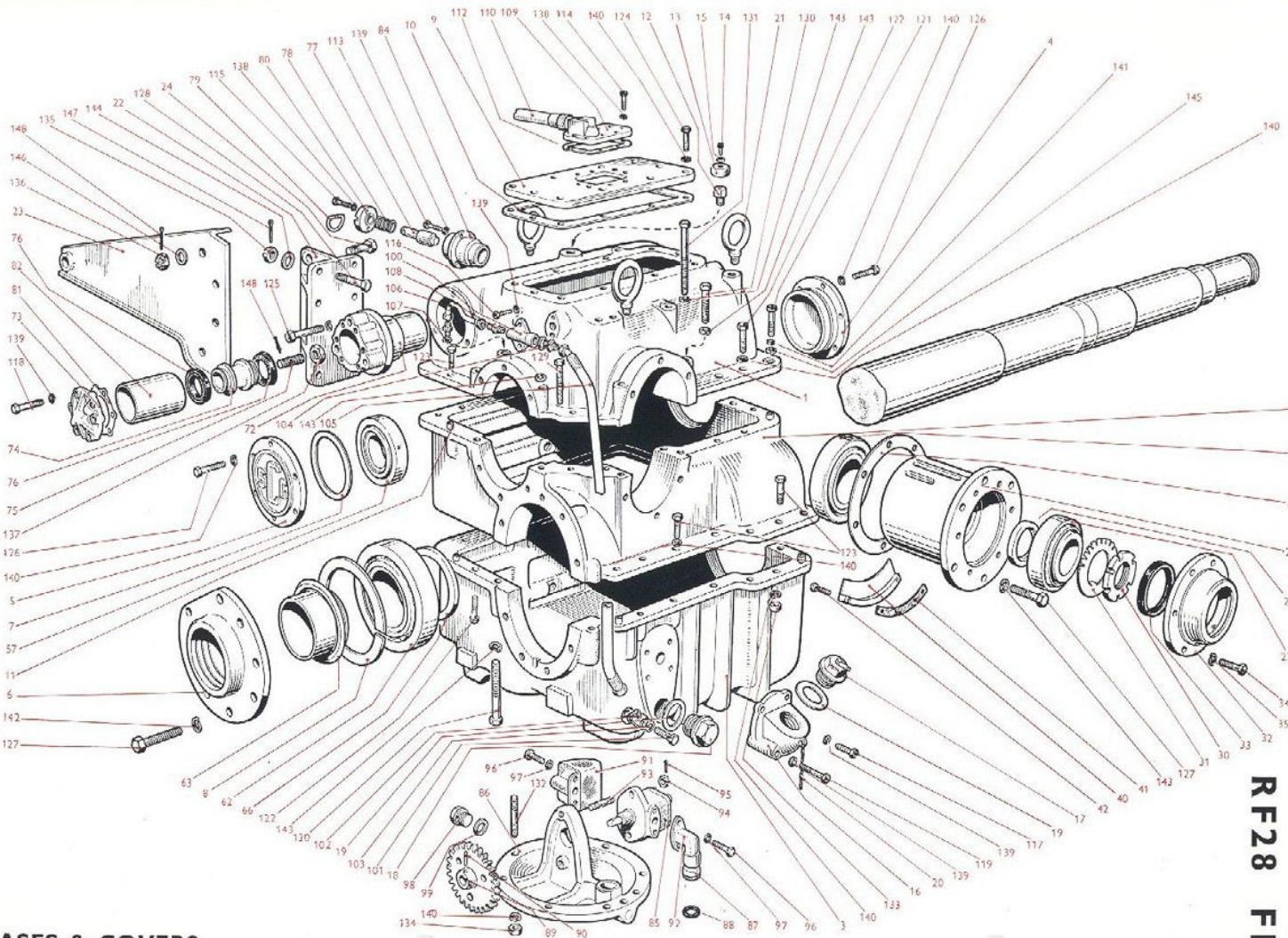
B.R. Cat. No.	S.C.G. Part No.	Illustr. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
	17947		$\frac{1}{2}$ " B.S.F. plain nut ... ..	List 6084, 6488	20	Bolts—interm. to top casing—7.
	18753	134	$\frac{1}{2}$ " B.S.F. thin nut, special ...	All List Nos.	8	Bolts—interm. to bottom casing—13.
	44628		$\frac{1}{2}$ " B.S.F. nut, special ... ..	List 7343	6	Studs—oil pump to casing.
	17991		Split pin, $\frac{1}{8}$ " dia. x $1\frac{1}{2}$ " long ...	" "	8	Stud—torque arm plate to gearcase
	39084		$\frac{1}{4}$ " U.N.F. csk. screw ... ..	" "	8	Stud—torque arm plate to gearcase
	41018		$\frac{5}{8}$ " B.S.F. nut, special ... ..	" "	8	Brg. thrust plate to torque arm plate
	45600		$\frac{5}{8}$ " B.S.F. stud ... ..	" "	8	Stud—torque arm plate to gearcase
	45601		$\frac{1}{2}$ " B.S.F. stud ... ..	" "	6	Gearcase to torque arm plate
	45876		$\frac{7}{8}$ " B.S.F. nut, special ... ..	" "	6	Torque arm
	45877		Dowel bolt, special ... ..	" "	6	" "
	45859		Dowel retaining plate ... ..	" "	2	" "
	45861		$\frac{7}{8}$ " B.S.F. set bolt, special ...	" "	4	" "
	45860		Dowel ... ..	" "	4	" "
9/77/4399	17300	135	$\frac{5}{8}$ " B.S.F. slotted nut ... ..	All List Nos.	8	Bolts—torque arm brkt. to casing.
	17301	136	$\frac{3}{4}$ " B.S.F. slotted nut ... ..	"	4	Bolts—torque arm to brkt.
	19621	137	$\frac{3}{4}$ " B.S.F. hex. locknuts ... ..	"	2	Selector piston adj. screw.
9/33/19606	17291		$\frac{5}{8}$ " B.S.F. ... ..	List 6084, 6488	8	Bolts—interm. to top casing—4.
	17329		$\frac{5}{16}$ " dia. spring washer, single coil	List 6489, 7000, 7008, 6727, 7343, 7415	2	Bolts—interm. to bottom casing—4.
	17329	138	$\frac{5}{16}$ " dia. spring washer, single coil	List 6084	4	Bolt—locking plunger guide to sleeve.
	17329		$\frac{5}{16}$ " dia. spring washer, single coil	List 6488	10	Bolt—indicator switch housing to casing.
	17330	139	$\frac{3}{8}$ " dia. spring washer, single coil	List 6489, 7000, 7008, 6727, 7343, 7415	22	Bolt—locking plunger guide to sleeve —2.
						Bolt—ind. switch to inspect. cover plate —8.
						Bolt—oil filler to casing—4.
						Bolt—air cyl. cap to air cyl.—12.
						Bolt—air feed elbow joint to casing—4.
						Bolt—switch op. bkt. to selector fork —2.

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B.R. Cat. No.	S.C.G. Part No.	Illustr. Ref. No.	Description	Used On	No. Per Final Drive	Remarks
	17330		$\frac{3}{8}$ " dia. spring washer, single coil	List 6084	25	Bolt—oil filler to casing—4. Bolt—cover plate to top casing—2. Bolt—air cyl. cap to air cyl.—12. Bolt, oil feed elbow joint to casing—2. Bolt, switch op. rod brkt. to casing—3. Bolt, oil pipe clip to casing—2.
	17330		$\frac{3}{8}$ " dia. spring washer, single coil	List 6488	24	Bolt, oil filler to casing—4. Bolt, cover plate to casing—2. Bolt, air cyl. cap to air cyl.—12. Bolt, oil feed elbow joint, to casing—2. Bolt switch op. bkt. to sel. fork—2. Bolt, oil pipe clip to casing—2.
	17332	140	$\frac{1}{2}$ " dia. spring washer, single coil	List 6489, 7000, 7008, 6727, 7343, 7415	54	Bolt, interm. to top casing—11. Bolt, interm. to bottom casing—7. Bolt, end covers to casing—12. Bolt—inspection cover plate to casing—10. Bolt—air cyl. to casing—6. Stud, oil pump to casing—8.
	17332		$\frac{1}{2}$ " dia. spring washer, single coil	List 6084, 6488	58	Bolt, interm. to top casing—11. Bolt, interm. to bottom casing—13. Bolt, end covers to casing—12. Bolt, inspection cover plate to casing—8 Bolt, air cyl. to casing—6. Stud, oil pump to casing—8.
	19033	141	$\frac{1}{2}$ " dia. spring washer, double coil	List 6489, 7000, 7008, 6727, 7343, 7415	8	Bolt, interm. to top casing—4. Bolt, interm. to bottom casing—4.

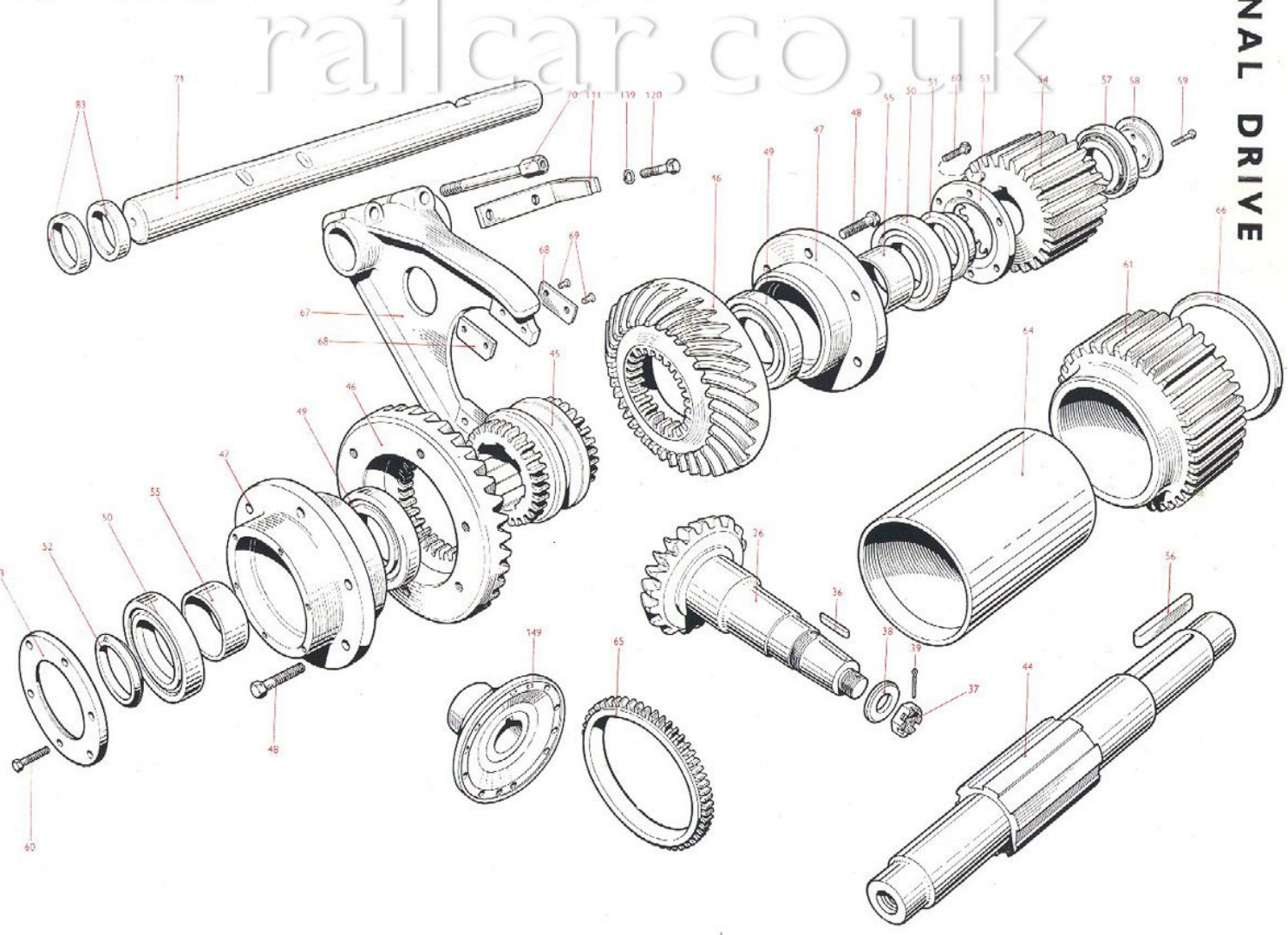
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B.R. Cat. No.	S.C.G. Part No.	Illustn. Ref.	Description	Used On	No. Per Final Drive	Remarks
	17334	142	$\frac{5}{8}$ " dia. spring washer, single coil	List 6489, 7000, 7008, 6727, 7415, 7343	22	Bolt, brg. thrust to casing—16. Bolt, input bevel hsg. to casing—6.
	17334		$\frac{5}{8}$ " dia. spring washer, single coil	List 6084, 6488	30	Bolt, brg. thrust plate to casing—16. Bolt, interm. to top casing—4. Bolt, interm. to bottom casing—4. Bolt, input bevel hsg. to casing—6.
	17335	143	$\frac{3}{4}$ " dia. spring washer, single coil	List 6489, 7000, 7008, 6727, 7343, 7415	17	Bolt, interm. to top casing—8. Bolt, interm. to bottom casing—9.
	17335		$\frac{3}{4}$ " dia. spring washer, single coil	List 6084, 6488	12	Bolt, interm. to top casing—8. Bolt, interm. to bottom casing—4.
	25286	144	$\frac{5}{8}$ " dia. plain washer, steel ...	All List Nos.	8	Bolt, torque arm brkt. to casing.
	24994	145	$\frac{1}{2}$ " dia. plain washer, steel ...	List 6489, 7000, 7008, 6727, 7343, 7415	2	Bolt, interm. to bottom casing.
	25287	146	$\frac{3}{4}$ " dia. plain washer, steel ...	All List Nos.	4	Bolt, torque arm to bracket.
	17964	147	Split pin $\frac{1}{8}$ " dia. x $\frac{1}{4}$ " long ...	"	8	Bolts, torque arm brkt. to casing.
	19069	148	Split pin $\frac{5}{16}$ " dia. x 2" long ...	"	6	Bolt, torque arm to bracket—4. Selector piston adj. screw—2.
9/15/93365 9/77/627	44479 10873/1	149	Input coupling ... .. $\frac{3}{8}$ " B.S.F. bolt x 1" long, special	All List Nos. List 7000, 7415	1 3	Support brkt. to casing
9/15/93141 9/77/4399	11944 17300 17326		Key for lever ... .. $\frac{5}{8}$ " B.S.F. slotted nut ... .. Split pin $\frac{5}{16}$ " dia. x $1\frac{1}{2}$ " long ...	" " "	1 1 1	Selector lever shaft Selector lever shaft
9/15/93366	25286 31400		$\frac{5}{8}$ " dia. plain washer ... .. Oilite bush, special ... ..	" "	1 2	Press fit in support bracket
9/15/93367 9/15/93368	44057 44085 45804		Support brkt. ... .. Felt packing ... .. Blanking plate ... ..	" " List 7415	1 1	For support bracket For transport and storage only
	45805		Protection plate ... ..	List 7415		For transport and storage only
9/15/93369	44282		Manual Selector control lever ...	List 7000, 7415	1	



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