

SCHEDULE OF SPARE PARTS

REF. NO. PART NO. QUANTITY
GROUP ASSEMBLY NOTESGROUP G.2. DAMPER CONTROL PUMP AND SPEEDOMETER DRIVE
(SYNCHROMESH ONLY).

Comprising:-

BALL, steel, .406" dia. valve	1		1	
BOLT, 5 BA. operating lever	X.7	K.3706/Z	1	
BUSH, driving	2	GB.4812	1	
COLLAR, valve lever pivot	X.16	KB.1178/Z	1	
COVER	3	GB.4814DC	1	
COVER, valve spring	4	GB.5345	1	
GEAR, driving, 8 teeth	5	GB.3757	1	
GEAR, driven, oil pump, 15 teeth	6	GB.3572	1	
GEARSHAFT, driving oil pump, 15 teeth	7	RG.464	1	
HOUSING, pump assembly consisting of:-	8	RG.463A	1	
Bolt, 2 BA. disc retaining		KB.7866/Z	3	
+ Disc, bearing		GB.4811	1	
+ Housing		RG.463	1	
Nut, full, 2 BA. disc and pivot		K.4006/Z	1	
Pivot, valve lever		GB.3562	1	
Washer, lock, disc retaining nut		KB.7104	3	
JOINT, cover and housing	9	GB.4950	2	
LEVER, operating, external	10	GB.3565	1	
LEVER, valve, internal	11	GB.3567DC	1	
NUT, castellated, .250" dia. driving gear	X.20	K.4208/Z	1	
NUT, full, 5 BA. operating lever bolt	X.21	K.4003/Z	1	
NUT, lock, 2 BA. pump casing	X.24	K.4307/Z	3	
PIN, operating	12	GB.5022DC	1	
PIN, split, .052" dia., driving gear nut (1) and valve lever pivot (1)	X.31	K.4602/Z	2	
PLUG, felt, speedometer drive	13	GB.4810	1	
SPRING, valve	14	GB.3566	1	
WASHER, plain, .250" dia. driving gear	X.85	K.4407/Z	1	
WASHER, spring, 5 BA. operating lever bolt	X.87	K.9003/Z	1	

GROUP G.3. FIRST MOTION SHAFT (SYNCHROMESH)

Comprising:-

BEARING, ball	1	RG.5958	1	A
BEARING, ball		RG.6591	1	A
CONES, synchromesh, 4th speed assembly consisting of:-	2	RG.4281	1	
+ Cone		RG.4278	1	
+ Insert		RG.3240	1	
+ Rivet		KB.12568/Z	4	
GEARSHAFT, 18 teeth, 1st motion	3	GB.5338	1	

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SCHEDULE OF SPARE PARTS

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GROUP ASS'Y NOTES

GROUP G.3. FIRST MOTION SHAFT (SYNCHROMESH) Cont'd.

NUT, ball bearing, retaining	X.23	KB.3541/Z	1	
RETAINER, roller (assembly, purposes only)	4	RG.3130	1	
ROLLER, 1st motion shaft bearing (Fischer)	5	GB.5282	14	A
ROLLER, 1st motion shaft bearing (R & M.)		RG.6584	14	A
ROLLER, 1st motion shaft bearing (Hoffman)		RG.7080	14	A
WASHER, plain, ball bearing	6	GB.5360	1	
WASHER, locking, ball bearing nut	7	GB.5382	1	

GROUP G.4. GEARBOX (SYNCHROMESH)

Comprising:-

ADAPTOR, oil supply to damper	1	RG.168	1	
BEARING, selector shaft, (LC)	2	RG.5737	1	
BOLT, .250" dia., backing plate to housing (LC)	X.10	K.205/Z	1	
BOLT, .312" dia., rear cover foot	X.11	K.306/Z	2	
BRACKET, reverse light switch (LC)	3	RG.5731	1	
CIRCLIP, Seegar, .812" bore, locating piece	4	KB.14017	1	
COVER, bottom drain, assembly, with 1 off adaptor RG.3321	5	RG.3119A	1	
COVER, large, L.H. side assembly, with patent number plate (RC)	6	RG.4403	1	
COVER, large, L.H. side assembly, with patent number plate (LC)	7	RG.5738	1	
COVER, L.H. gear change bore (RC)	8	RG.429DC	1	
COVER, main, front	9	RG.5309	1	
COVER, main, rear assembly, with 2 off stud KB.402/Z	10	RG.5310A	1	
COVER, selector bars, rear	11	RG.7315	1	
COVER, selector shaft actuation (LC)	12	RG.7085	1	
COVER, top inspection (RC)	13	GB.4126	1	
COVER, top inspection (LC)	14	RG.5618	1	
CUP, felt washer oil seal (LC)	15	RG.5728	1	
DIPSTICK, assembly	16	GB.5130A	1	
FORK and jaw, reverse operation		RG.167		
GATE, gear change (LC)	17	RG.5736	1	
GEARBOX, assembly consisting of (RC):-	18	RG.3117A	1	
+ Casing		RG.3117	1	
Plug, damper control housing and selector lock drilling		RG.3322	2	
Stud, 2 BA. damper pump control shaft, bracket		KB.256/Z	2	
Stud, 2 BA, L.H. gear change bore		KB.253/Z	4	
Stud, .250" dia. pressed steel covers	X.67	KB.399/Z	24	
Stud, .250" dia. damper control housing		KB.351/Z	3	
Stud, .250" dia. front cover		KB.353/Z	6	
Stud, .250" dia. rear main cover		KB.366/Z	2	

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REF. NO. PART NO. QUANTITY
GROUP ASS'LY NOTES

GROUP G.4. GEARBOX (SYNCHROMESH). (Cont'd)

GEARBOX, assembly consisting of (RC):- (Cont'd)

Stud, .250" dia., rear main cover		KB.353/Z	3
Stud, .250" dia., rear support		KB.355/Z	7
Stud, .250" dia., selector eccentric pin covers		KB.350/Z	6
Stud, .250" dia., selector rod cover	X.68	KB.360/Z	4
GEARBOX, (LC), assembly as above, except:-		RG.3117B	1
Plug, damper control bracket		RG.7012	2
Stud, .250" dia., pressed steel cover		KB.399/Z	18
Stud, 2 BA, backing plate		KB.250/Z	1
Stud, 2 BA, backing plate		KB.273/Z	3
Stud, .250" dia., shaft bearing and gate		KB.352/Z	7
Stud, .250" dia., housing		KB.367/Z	1
Stud, .250" dia., housing		KB.371/Z	1

The following studs are not used on (LC):-

KB.256/Z KB.253/Z

JOINT, laminated cork, bottom drain cover	19	RG.3120	1
JOINT, laminated cork, L.H. side cover (RC)	20	RG.170	1
JOINT, laminated cork, top inspection cover	22	GB.4125	1
JOINT, vellumoid, L.H. gear change bore cover	23	RG.427	1
JOINT, vellumoid, L.H. side cover (LC)	24	GB.5660	1
JOINT, vellumoid, main front cover	25	GB.4123	1
JOINT, vellumoid, main rear cover	26	GB.4833	1
JOINT, vellumoid, top cover and gate (LC)	27	RG.5659	2
JOINT, vellumoid, backing plate to housing (LC)	28	RG.5776	1
JOINT, vellumoid, selector shaft, R.H. bearing (LC)	29	GB.4124	1
NUT, half 2 BA. L.H. gear change bore and damper control shaft brackets		K.4307/Z	6
NUT, half, 2 BA. backing plate to housing		K.4307/Z	4
NUT, half .250" dia. (RC)		K.4310/Z	59
NUT, half, .250" dia. (LC)		K.4310/Z	61
NUT, half, .312" dia. rear cover, foot belt	X.24	K.4313/Z	2
NUT, half, .312" dia. tie rod seating stud		K.4313/Z	2
NUT, reach, conduit clips (LC)	30	RG.6162	1
PACKING, rear cover, foot	31	GB.5266	4
PIECE, locating servo bearing	32	RG.3129	1
PLUG, oil drain	33	RG.3744	1
RING, sealing, servo bearing locating piece	X.34	KB.6201	1
RING, spring, front ball bearing bore	34	RG.5311	1
RING, spring, rear ball bearing bore	35	RG.5312	1
SEAL, selector cross shaft (LC)	36	RG.5730	1
SCREW, locking, 2nd and reverse bearing shaft	37	GB.5018	2
SCREW, reverse, light bracket (LC)	X.54	KC.153/Z	2
SUPPORT, rear casing, assembly with + Plate	38	RG.174	1
		GB.4895	2

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SCHEDULE OF SPARE PARTS

REF. NO. PART NO. QUANTITY GROUP ASSELY NOTES

GROUP G.4. GEARBOX (SYNCHROMESH) (Continued)

TUBE, damper control pump, suction assembly,
consisting of:-

39	GB.3568A	1
	GB.3568	1
	GB.5035	1
	RG.172	1

Adaptor
Filter
Tube

WASHER, adjusting reverse light switch (LC)

.040" thick - RG.6384 .060" thick - 6386)
.050" thick - RG.6385 .070" thick - 6387)

B

WASHER, aluminium, damper control pump, suction
tube

40 RG.3248 1

WASHER, aluminium, damper oil supply adaptor

KB.1097 1

WASHER, aluminium, oil drain plug

X.83 KB.1093 1

WASHER, locking, 2nd and reverse bearing shaft
locking screw

X.89 KB.7109 2

WASHER, plain, pressed steel covers (RC)

K.4407/Z 28

WASHER, plain, pressed steel covers (LC)

K.4407/Z 22

WASHER, spring, 2 BA. L.H. gear change bore and
damper control shaft brackets (RC)

K.9006/Z 6

WASHER, spring, 2 BA. backing plate to housing
reverse light bracket (LC)

K.9006/Z 6

WASHER, spring, .250" dia. (RC)

K.9008/Z 57

WASHER, spring, .250" dia. (LC)

K.9008/Z 61

WASHER, spring, .312" dia., rear cover foot bolt

X.87 K.9009/Z 2

GROUP G.5. REVERSE MOTION SHAFT (SYNCHROMESH)

Comprising:-

GEARSHAFT, reverse, 21 and 44 teeth, front and
rear respectively, assembly, consisting of:-

1 RG.183 A 1

Bush, white-metalled

GB.5019 2

+ Gearshaft

RG.183 1

SHAFT, bearing

2 RG.184 1

WASHER, thrust

3 RG.182 1

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SCHEDULE OF SPARE PARTS

REF. NO. PART NO.

QUANTITY
GROUP ASSEMBLY

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GROUP G.6. SECOND MOTION SHAFT (SYNCHROMESH).

Comprising:-

BEARING, front, Timken bore roller	1	RG.5686	1	
BEARING, rear, Timken bore roller	2	RG.5687	1	
GEARSHAFT, 2nd motion (23, 17, 20, 12 and 19 teeth, front to rear gears respectively)	3	RG.3544	1	
RING, sealing, front end	X.34	KB.6206	1	
SHAFT, bearing	4	RG.3124	1	
WASHER, rear end	6	GB.5270	1	
WASHER, adjusting, front end	5			A

.080" thick - RG.3131	.082" thick - RG.4474
.084" thick - RG.3132	.086" thick - RG.4475
.088" thick - RG.3133	.090" thick - RG.4476
.092" thick - RG.3134	.094" thick - RG.4477
.096" thick - RG.3135	.098" thick - RG.4478
.100" thick - RG.3136	.102" thick - RG.4479
.104" thick - RG.3137	.106" thick - RG.4480
.108" thick - RG.3138	.110" thick - RG.4481
.112" thick - RG.3139	.114" thick - RG.4482
.116" thick - RG.3140	.118" thick - RG.4483
.120" thick - RG.3141	.122" thick - RG.4484

GROUP G.7. SELECTOR MECHANISM (INTERNAL)

Comprising:-

ARM, retaining and detent roller assembly	1	RG.7219	1	
BALL, steel, .312" dia. shaft, interfering	2	RG.6131	2	A
BALL, steel, .312" dia. shaft, interfering		RG.6594	2	A
BALL, steel, .500" dia. shaft, positioning	3	RG.6627	3	
BOLT, 2 BA, retaining, jaw to fork	X.9	K.108/Z	4	
FORK, operating, 1st and 2nd, 3rd and 4th gears	4	GB.5076DC	2	
JAW, bolted to fork	5	GB.5075	2	
LEVER, 1st and 2nd motion, operating	6	GB.4831	1	
LEVER, 3rd and 4th motion, operating	7	GB.4832	1	
LEVER, reverse operating	8	RG.3151	1	
NUT, cap, adjusting screw detent roller	9	RE.9032	1	
NUT, lock, adjusting screw	X.24	K.4313/Z	1	
NUT, full, 2 BA, jaw to fork retaining	X.21	K.4006/Z	4	
NUT, half, .250" dia. pin to operating levers retaining	X.24	K.4310/Z	2	
PIN, actuating, 1st and 2nd, 3rd and 4th motion levers	10	GB.4144	2	
PIN, eccentric, pivot, 1st, 2nd and reverse gears	11	RG.3126	2	

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QUANTITY
GROUP ASS'LY

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GROUP G.7. SELECTOR MECHANISM (Continued)

PIN, eccentric pivot, 3rd and 4th gears	12	RG.3127	1	
PIN, retaining arm, detent roller	13	RG.7217	1	
PLATE, eccentric pivot pins retaining	14	RG.3002	3	
PLATE, locking jaw locating screw	15	GB.4341	4	
RING, guide shaft retaining	16	RG.3354	1	
RING, sealing, eccentric pivot pins	X.34	KB.6201	2	
RING, sealing, operating shaft guide		KB.6201	1	
SCREW, locating, jaw to selector shaft	18	GB.3451	4	
SCREW, 2 BA, selector shaft jaw locating	X.54	KC.152/Z	4	
SHAFT, guide, operating forks	19	RG.3226	1	
SHAFT, selector, 1st and 2nd gears, with jaw GB.5128	20	RG.7210A	1	
SHAFT, selector, 3rd and 4th gears, with jaw GB.5128	21	RG.7211A	1	
SHAFT, reverse motion, with jaws GB.5128 and RG.167	22	RG.7212A	1	
SPRING, shaft, positioning	23	RG.7213	3	
SPRING, detent roller, 1st and 2nd speed	24	RG.7215	1	
WASHER, adjusting reverse shaft	25	RG.5655		B
WASHER, cap nut, detent roller	X.83	KB.1077/Z	1	
WASHER, lock, 2 BA, selector shaft, jaw lock plate retaining screw	X.89	KB.7104	4	
WASHER, pin retaining arm detent roller	X.83	KB.1076/Z	1	

GROUP G.8. SERVO MOTOR DRIVE (SYNCHROMESH)

Comprising:-

BEARING, ball inner	1	RG.4449	1	A
BEARING, ball inner		RG.6588	1	A
BEARING, ball inner		RG.7079	1	A
BEARING, ball outer	2	RG.4448	1	A
BEARING, ball outer		RG.6587	1	A
BEARING, ball outer		RG.7078	1	A
BEARING, ball outer		RG.8261	1	A
CIRCLIP, Seegar, outer bearing	3	KB.14188	1	
CIRCLIP, Seegar, worm wheel	4	KB.14172	1	
HOUSING, oil seal	5	RG.3109	1	
JOINT, oil seal housing	6	RG.3000	1	
NUT, castellated, .437" dia. shaft, retaining	X.20	KB.3589	1	
PIN, servo driving	7	RG.3222	3	
PIN, split, .093" dia. shaft nut	X.31	K.4608	1	
SCREW, countersunk head 2 BA. housing	X.50	K.2810	4	
SEAL, oil, Angus "Gaco"	8	RG.7027	1	
SHAFT	9	RG.3246	1	
WASHER, inner bearing	10	GB.4043	1	
WASHER, worm wheel	11	RG.3705	1	
WHEEL, worm	12	RG.3419	1	

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QUANTITY
GROUP ASSEMBLY

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GROUP G.9. THIRD MOTION SHAFT (SYNCHROMESH).

Comprising:-

BALL, steel, .312" dia., 1st speed gears	1	RG.6131	2	A
BALL, steel, .312" dia. 1st speed gears		RG.6594	2	A
BEARING, ball, centre	2	RG.4447	1	A
BEARING, ball, centre		RG.6595	1	A
BEARING, ball, centre		RG.7076	1	A
BEARING, ball, rear	3	RG.5950	1	A
BEARING, ball, rear		RG.6592	1	A
BUSH, large dia. flange, 2nd and 3rd speed gears	4	RG.6984	2	
BUSH, small dia. flange 2nd and 3rd speed gears	5	RG.6983	2	
CONE, synchromesh, 2nd speed assembly	6	RG.3245	1	
CONE, synchromesh, 3rd speed assembly	7	RG.4280	1	
FLANGE, rear coupling	8	RG.3121	1	
GEAR, 21 teeth, 3rd speed driven	9	RG.100	1	T
GEAR, 21 teeth, 3rd speed driven		RG.8459	1	U
GEAR, 28 teeth, 1st speed driven	10	RG.3221	1	
GEAR, 30 teeth, 2nd speed, driven	11	RG.179	1	
GEAR, worm, servo drive	12	RG.3418	1	
KEY, 1st speed gear	13	GB.5391	2	
KEY, locating, 3rd speed gear	14	GB.5359	1	
KEY, 3rd and 4th speed, sliding piece	15	RG.5471	2	
NUT, rear flange	16	G.54923	1	
PIECE, sliding, 3rd to 4th speed	17	RG.5470	1	T
PIECE, sliding, 3rd to 4th speed		RG.8467	1	U
PIN, locating, 3rd speed gear	18	RG.3128	1	
PLUNGER, supporting, sliding piece key	19	RG.7009	4	
SHAFT, 3rd motion	20	RG.5469	1	T
SHAFT, 3rd motion		RG.8472	1	U
SLEEVE, 3rd speed, gear and centre bearing	21	GB.5374	1	T
SLEEVE, 3rd speed, gear and centre bearing		RB.8461	1	U
SPRING, 1st speed gear	22	GB.4875	2	
SPRING, 3rd speed gear, locating pin	23	GB.8408	1	
SPRING, supporting, .187" dia. steel balls	24	GB.4842	2	
WASHER, adjusting, centre bearing	25			
.150" thick - GB.5366		.152" thick - GB.5368		
.154" thick - GB.5370		.156" thick - RG.3496		
.158" thick - RG.3497		.160" thick - RG.3371		
WASHER, adjusting, 2nd speed gear	26			
.173" thick - RG.3498		.175" thick - GB.5361		
.177" thick - GB.5363		.179" thick - GB.5365		

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QUANTITY
GROUP ASS'LY

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GROUP G.9. THIRD MOTION SHAFT (Continued)

WASHER, adjusting, rear flange

27

.040" thick - RG.6415

.045" thick - RG.6416

.050" thick - RG.6417

.055" thick - RG.6418

.060" thick - RG.6419

.065" thick - RG.6420

.070" thick - RG.6554

.075" thick - RG.6555

.080" thick - RG.6556

.085" thick - RG.6557

.090" thick - RG.6558

.095" thick - RG.6559

.100" thick - RG.6560

.105" thick - RG.6561

.110" thick - RG.6562

.115" thick - RG.6563

WASHER, key, 3rd speed gear

28 RG.7392

1

WASHER, key, 3rd speed gear

RG.8473

1

WASHER, lock, rear flange nut

29 G.54681

1

WASHER, plain, rear flange

30 G.54680

1

WASHER, worm to 2nd speed gears

.325" thick - RG.4350

.345" thick - RG.4351

.365" thick - GB.5371

.385" thick - RG.4352

.405" thick - RG.4353

.425" thick - RG.4354

GROUP G.10. TIE BAR.

Comprising:-

BLOCK, rubber

1 RG.3428

4

BOLT, .250" dia. tie rod brackets

X.10 K.243/Z

3

BRACKET, assembly, consisting of

2 RG.5939

1

Bracket

RG.5883

1

Cup for rubber block

RG.3431

2

Rivet, .125" dia.

KB.2454

6

NUT, half, .250" dia. bracket to frame bolt

X.24 K.4310/Z

3

NUT, lock, .375" dia.,

X.24 K.4316

7

PIECE, distance, between rubber blocks

3 RG.3429

2

PLATE, packing

4 RG.3434

1

ROD

5 RG.3430

1

SEATING

6 RG.3427

1

WASHER, pressure

7 F.88553

4

WASHER, spring, .250" dia., bracket bolt

X.87 K.9008/Z

3

SECTION G.

Bentley Continental 'R' Type
As for Bentley 'R' except

GROUP G.1A

	<u>Continental</u>	<u>Qty</u>	<u>Standard</u>	<u>Qty</u>
ROD, pull assy, column to lever	RG.7074	1	RG.6773	1
ROD, pull, selector mechanism	RG.6360	1	RG.5721	1
STAY, support, column to levers	RG.6361	2	RG.6953	2

GROUP G.3

GEARSHAFT, 19 teeth 1st motion	RG.5301	1	GB.5338	1
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GROUP G.4

GEARBOX, assy	RG.8001	1	RG.3117	1
Stud, top cover (LC) (Centre gear change)	KB.355/Z	4	KB.399/Z	4
Additional for (RC)				
NUT, 5BA, pin, reverse catch	K.4003/Z	1		

GROUP G.5

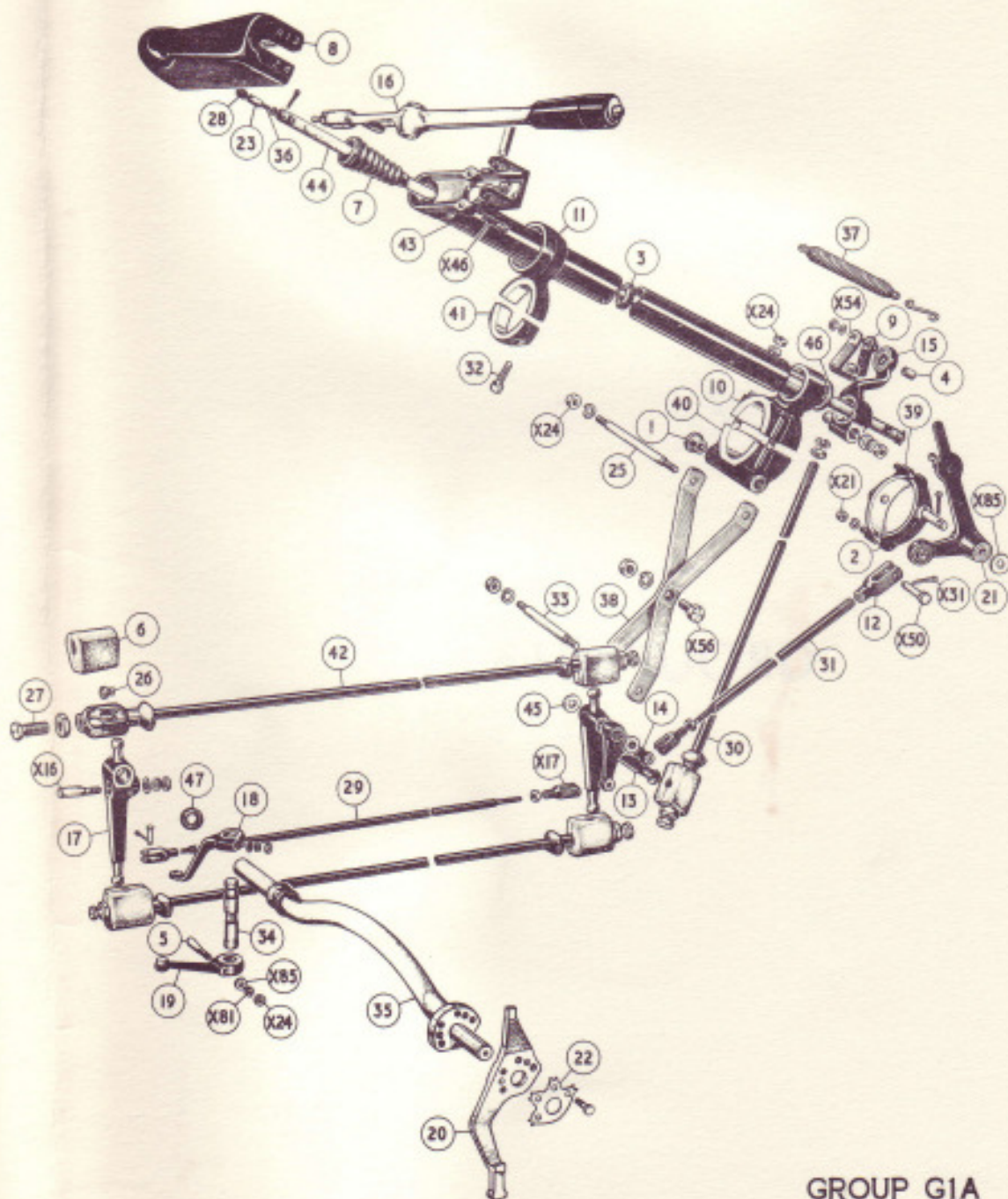
GEARSHAFT, reverse	RG.5315	1	RG.183	1
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GROUP G.6

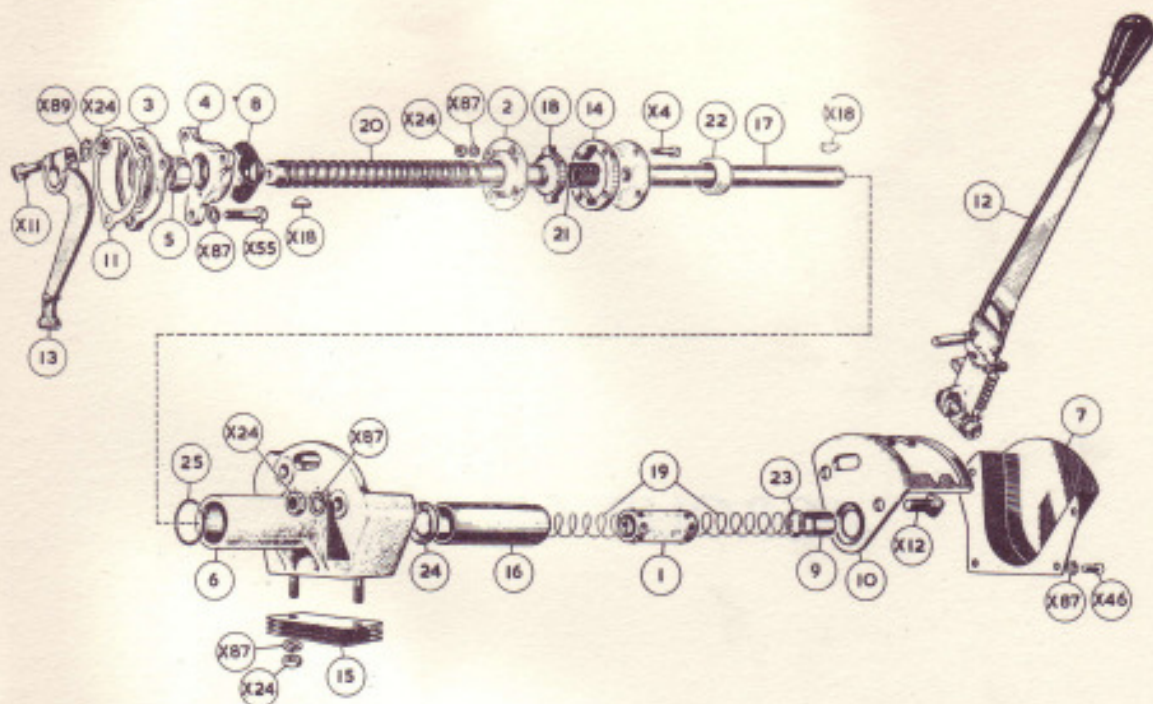
GEARSHAFT, 2nd motion, 22,17,20,13,21, teeth, front to rear gears	RG.7999	1		
GEARSHAFT, 2nd motion, 23,17,20,12,19 teeth, front to rear gears			RG.3544	1

GROUP G.9

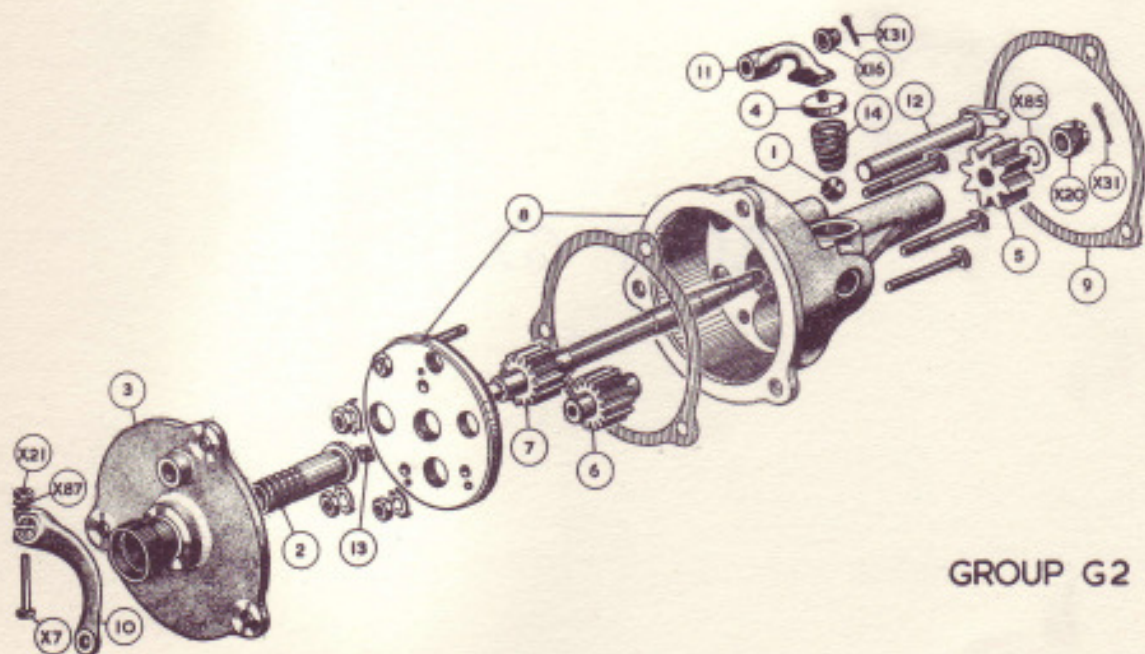
	<u>Continental</u>	<u>Qty</u>	<u>Standard</u>
GEAR, 28 teeth,1st speed,driven	RG.5313	1	RG.3221
GEAR, 28 teeth,2nd speed,driven	RG.8000	1	
GEAR, 30 teeth,2nd speed,driven			RG.179



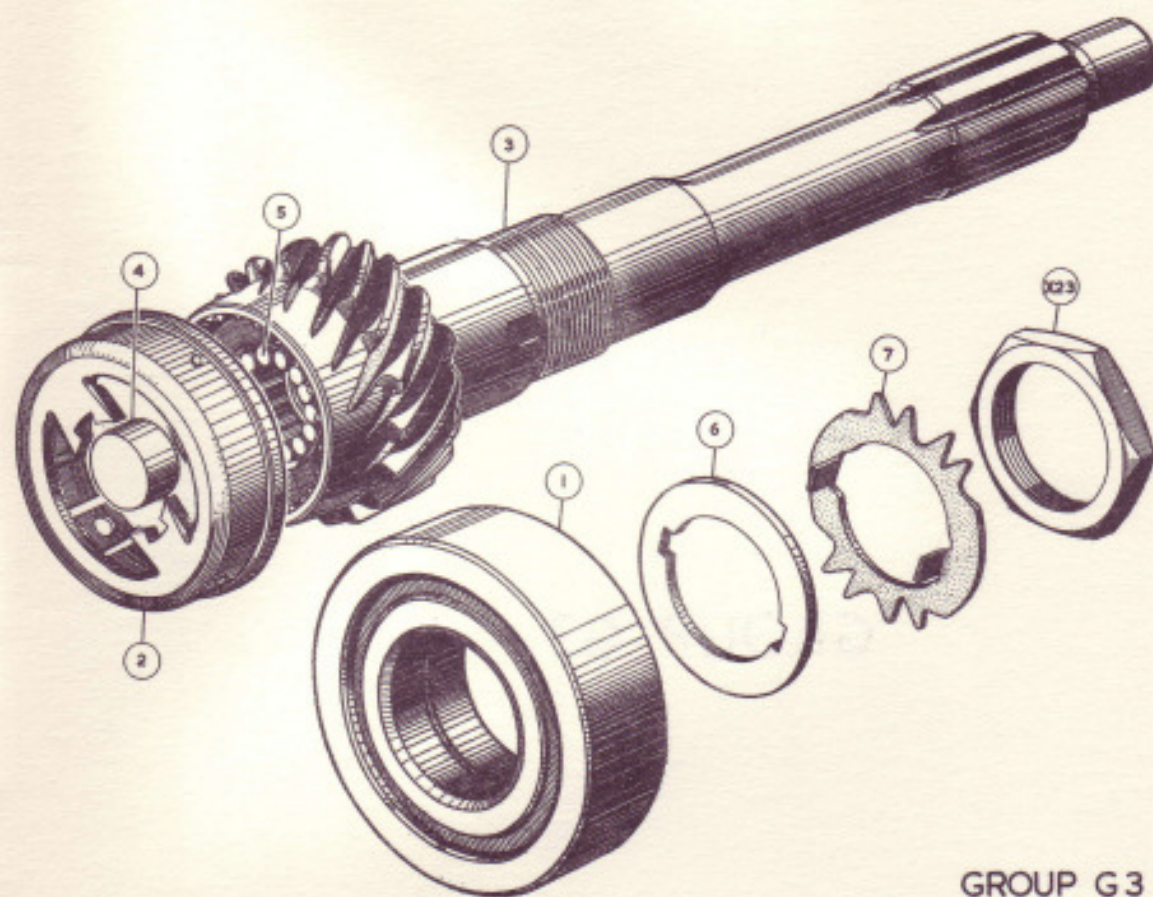
GROUP G1A



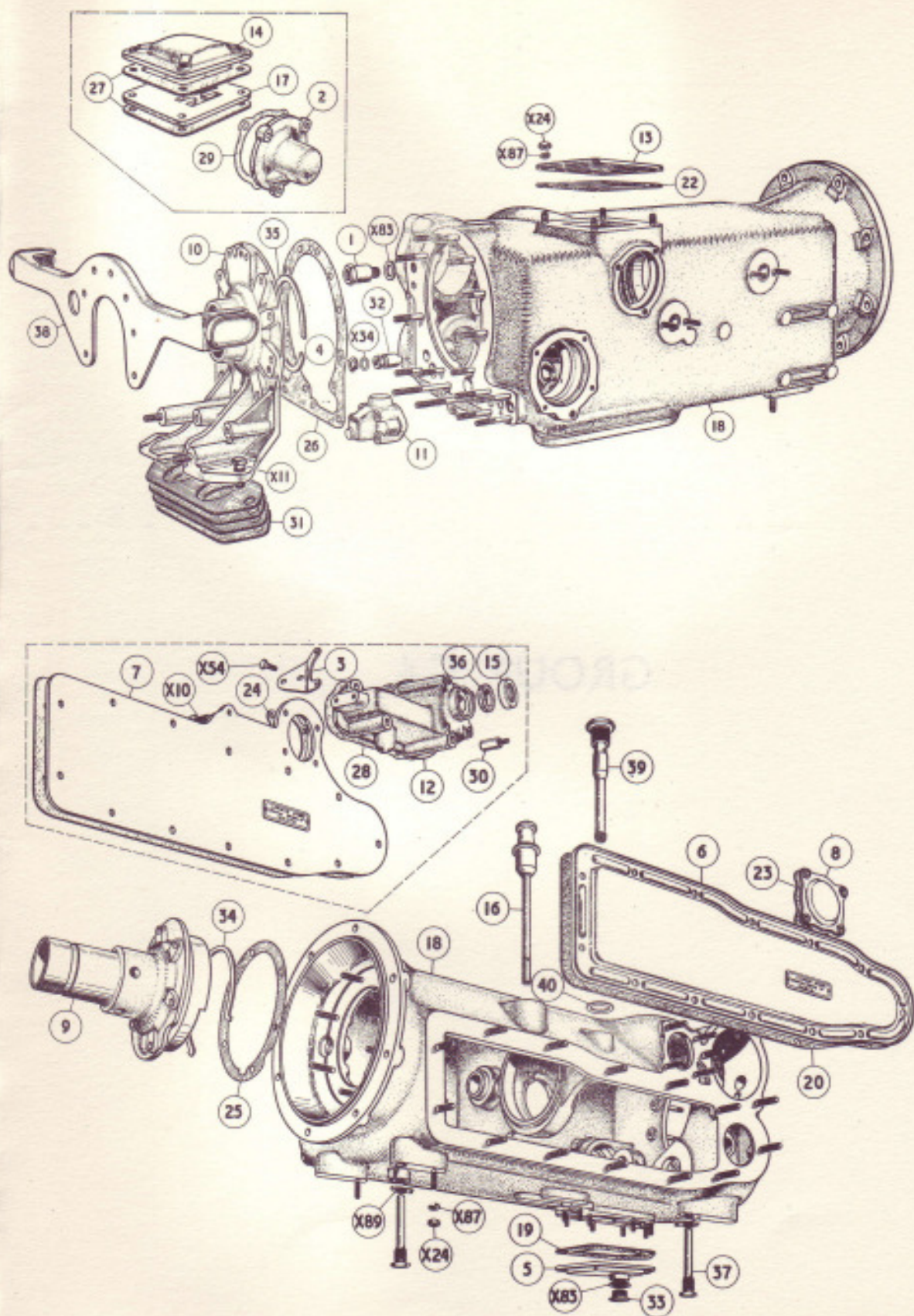
GROUP G1



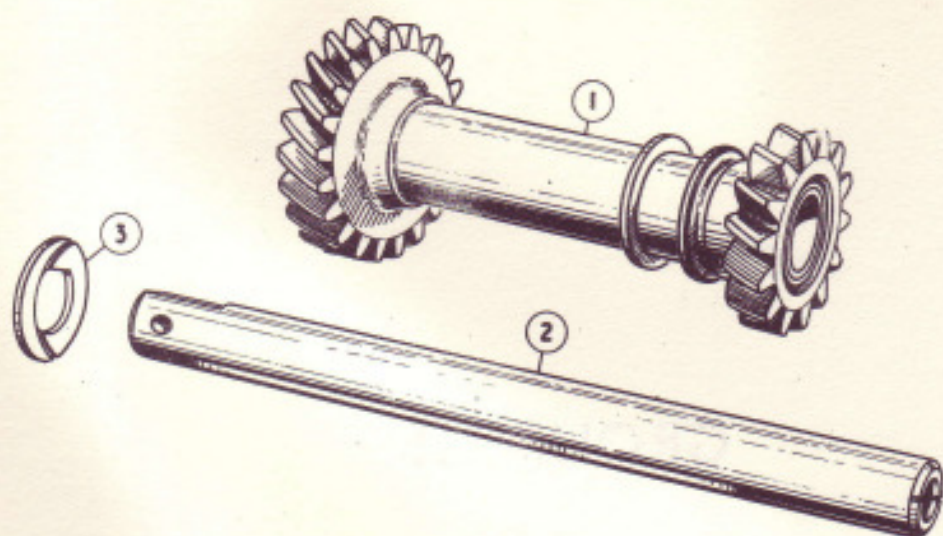
GROUP G2



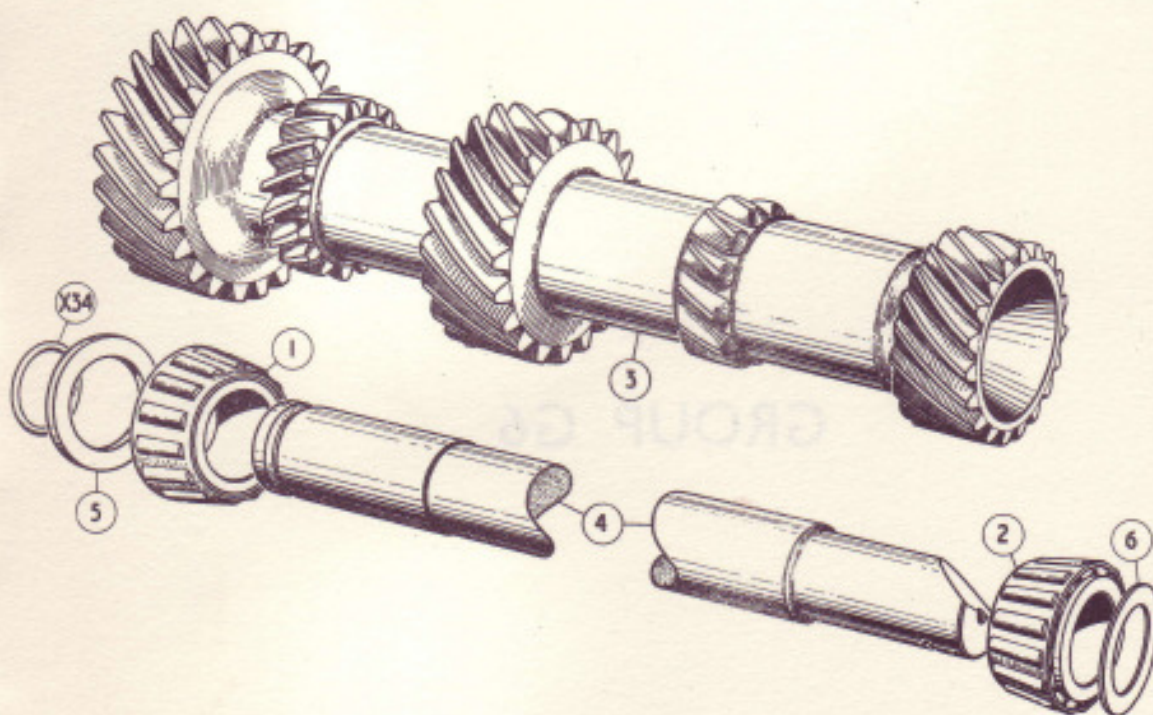
GROUP G3



GROUP G4



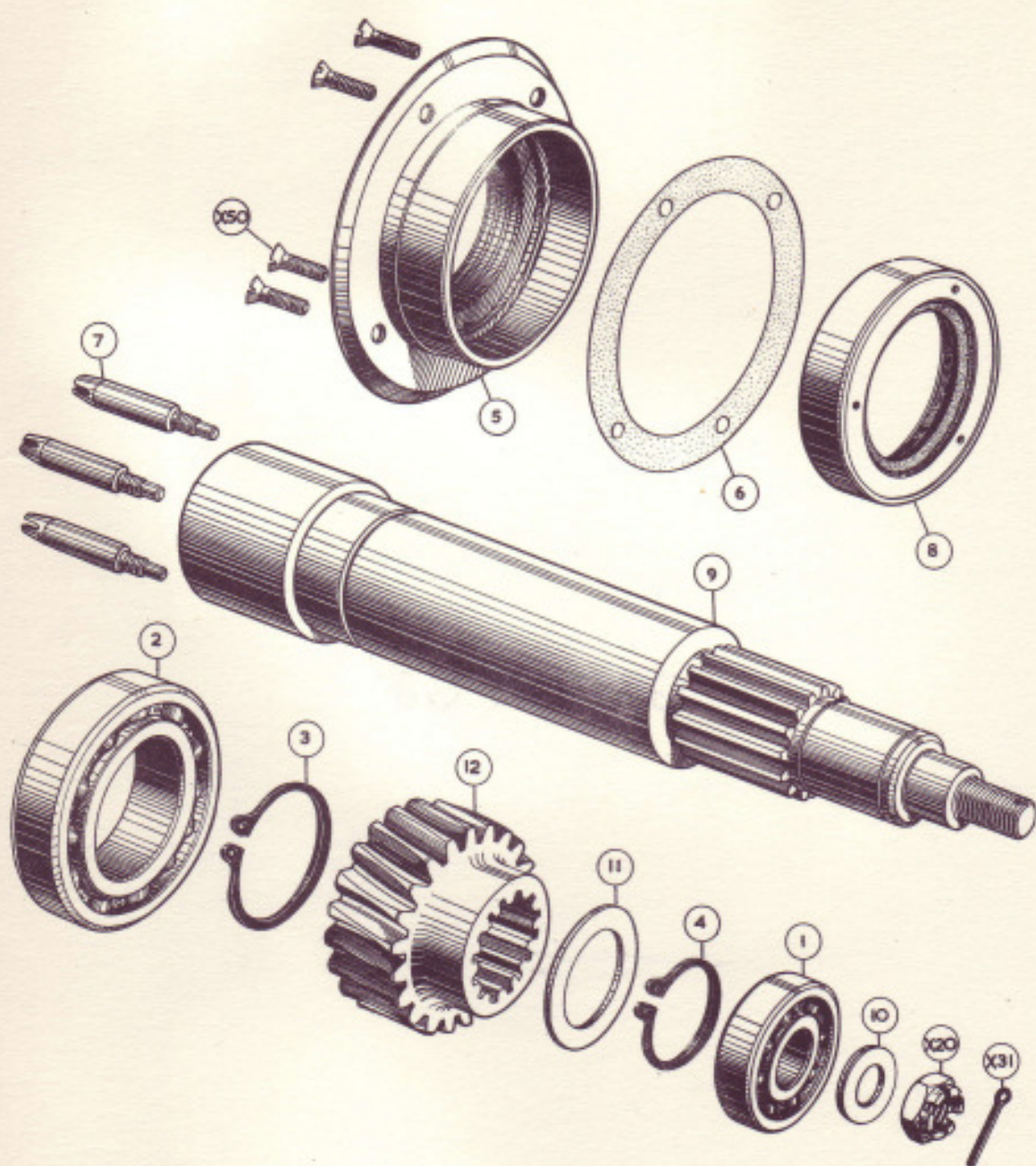
GROUP G5



GROUP G6



GROUP G 7



GROUP G 8

