

BENTLEY 'R' TYPE

SECTION F.

CLUTCH

Containing:-

GROUP 1. Clutch Casing.

- " 2. Clutch.
- " 3. Linkage.
- " 4. Pedal.
- " 5. Trunnion and Cross Shaft.

KEY TO CHASSIS NUMBERS

Used on B-NY	1 - 37,41 - 251, 257, 297, 393, 429 on S/S Cars.	
Used on B-NY	1 - 453, 477 - 487 on C/B Cars	= F
Used on B-NY	39, 253, 255, 259 - 295, 299 - 391, 395 - 427, 431 onwards on S/S Cars.	
Used on B-NY	455 - 475, 489 onwards on C/B Cars	= G

SCHEDULE OF SPARE PARTS

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

GROUP F1, CLUTCH CASING

Comprising

BOLT, 3 BA, felt seal retaining	X. 8	K.3602/Z	6	
BUSH, anchor pin	1	GB.4751	1	
BUSH, threaded, supply valve elbow (RC)	2	RF.6780	2	
CASING, main assy. consisting of (RC)	3	RG.7116A	1	F
Adaptor, shaft, bearing oil supply		GW.952	1	
Bush, cross shaft bearing		GW.946	1	
+ Casing		RG.7116	1	
Pin, anchor		GB.4760	1	
Pointer, timing		RE.6324	1	
Rivet, .125" dia., timing pointer	X.40	KB.1850	2	
Stud, 2 BA, timing inspection cover	X.60	KB.3818/Z	1	
Stud, .250" dia., bottom cover	X.65	KB.3823/Z	6	
Stud, .312" dia., clutch case to gearbox	X.73	KB.405/Z	8	
Washer, Welch, shaft bearing bore		RG.3250	1	
CASING, main assy. as above, except (RC)		RG.7385/A	1	G
Casing		RG.7385	1	
CASING, main assy. as above, except (LC)		RG.7337A	1	F
Casing		RG.7337	1	
Stud, oil pipe clip		KB.3815/Z	1	
CASING, main assy. as above except (LC)		RG.7414 A	1	G
Casing		RG.7414	1	
CLIP, oil pipe (LC)		F.78487	1	
CONNECTION, shaft bearing oil supply (RC)	4	RE.10670	1	
COVER, bottom	5	GB.4352	1	
COVER, starter bearing housing	6	GB.3315	1	
COVER, timing inspection	7	GB.4347	1	
ELBOW, trunnion oil supply upper	8	RF.7119	1	
ELBOW, valve trunnion and shaft oil supply (RC)	9	RE.10672	1	
HOUSING, starter bearing assy. consisting of	10	GB.4351A	1	
+ Housing		GB.4351	1	
Stud, 2 BA, cover retaining	X.63	KB.254/Z	3	
JOINT, starter motor front		RG.4443	1	
JOINT, starter motor rear	12	RG.4456	2	
NUT, full, 3 BA, felt seal bolt	X.21	K.4005/Z	6	
NUT, full, 3 BA, oil pipe clip LC		K.4005/Z	1	
NUT, full 2 BA, starter bearing housing	X.21	K.4006/Z	3	
NUT, full 2 BA timing inspection cover		K.4006/Z	1	

(GROUP F1 Continued overleaf)

SCHEDULE OF SPARE PARTS

REF. NO. PART NO. QUANTITY GROUP ASSY. NOTES

GROUP F1 CLUTCH CASING.

NUT, full, .312" dia., clutch case to gearbox.	X.21	K.4009/Z	8	
NUT, half, .250" dia., bottom cover	X.24	K.4310/Z	6	
NUT, half, .312" dia., anchor pin	X.24	K.4313/Z	1	
NUT, compression, trunnion oil supply	13	RF.6786	1	
NUT, compression cross shaft oil supply LC		RF.6786	1	
NUT, compression, trunnion oil supply	14	RE.11236	2	
PIPE, clutch casing elbow to straight meter valve (RC)	16	RG.7101	1	
PIPE, clutch trunnion elbow to straight meter valve (RC)	15	RG.7100	1	
PIPE, oil assy, clutch trunnion (LC)		RF.8314	1	
Pipe, tee piece to 3-way junction		RF.8098	1	
Pipe, tee piece to straight meter valve	18	RF.8309	1	
Pipe, tee piece to trunnion		RF.8099	1	
Tee piece		G.77035	1	
PIPE, internal trunnion oil supply assembly consisting of:	20	GB.3238A	1	
+ Adaptor		GB.3239	1	
+ Pipe		GB.3238	1	
PIPE, elbow to straight meter valve (LC)	15	RG.7100	1	
PLUG, clutch casing		RG.7115	1	
SCREW, hex. head, .312" dia., clutch casing to crankcase	X.56	KC.287/Z	2	
SCREW, hex. head, .437" dia., clutch casing to crankcase	X.58	KC.360/Z	4	
SEAL, casing, felt	21	GB.4350	1	
SLEEVE, compression, trunnion and shaft oil supply (RC)	22	RF.6783	5	
SLEEVE, compression, trunnion and shaft oil supply (LC)		RF.6783	4	
STUD, .250" dia., starter bearing housing with nut K.4008/Z	23	RG.3231A	4	
VALVE, meter straight, cross shaft oil supply (Z52) (LC)	24	RF.6779	1	
VALVE, meter, straight, trunnion oil supply (YD.500)	25	RE.11235	1	
WASHER, adjusting, anchor pin	26	GB.3309		P
WASHER, adjusting, starter bearing housing, .050" thick	27	GB.4349		B
WASHER, adjusting, starter bearing housing, .075" thick		GB.4348		B
WASHER, plain, 3 BA, felt seal bolt	X.85	K.4404/Z	6	
WASHER, plain anchor pin, adjacent to Thackeray washer	28	GB.3306	2	
WASHER, spring, 3 BA, felt seal bolt	X.87	K.9005/Z	6	

GROUP F1 (Continued overleaf)

PRINTED IN ENGLAND

SCHEDULE OF SPARE PARTS

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

GROUP F1. CLUTCH CASING (Continued)

WASHER, spring, 3BA oil pipe clip (LC)		K.9005/Z	1	
WASHER, spring, 2BA starter bearing housing to cover	X.87	K.9006/Z	3	
WASHER, spring .250" dia., bottom cover stud	X.87	K.9008/Z	6	
WASHER, spring, .312" dia., anchor pin (1)				
clutch casing to crankcase screw (2)				
and gearbox stud (8)	X.87	K.9009/Z	11	
WASHER, spring, .437" dia., clutch casing to crankcase	X.87	K.9011/Z	4	
WASHER, Thackeray, 2BA, timing inspection cover stud	X.90	K.3803/Z	1	
WASHER, Thackeray, .250" dia., starter bearing housing stud	X.90	K.3804/Z	4	
WASHER, Thackeray, .500" dia., anchor pin bush	X.90	K.3808/Z	1	

GROUP F2 CLUTCH (SYNCHROMESH GEARBOX)

Comprising

CLUTCH Borg & Beck		RE.17586	1	
Cover assembly	1	RE.17585		1
Plate, driven assembly	2	RG.7068		1

GROUP F3 LINKAGE (SYNCHROMESH GEARBOX)

BOLT, .250" dia., anchor bracket to frame	X.10	K.205/Z	2	
BRACKET, anchor	1	GB.3620	1	
BRACKET, intermediate lever	2	GB.5037	1	
BUSH, stay to swivel bracket	3	GB.4751	1	
COLLAR, flanged, bearing pin anchor bracket	X.16	KB.1180/Z	1	
JAW, adjustable, pull rod, cross shaft lever end R.H. thread	X.17	KB.1114/Z	1	
JAW, adjustable, pull rod, intermediate lever end L.H. thread	4	CW.2137	1	
LEVER, intermediate, assembly consisting of	5	GB.5038A	1	
Bearing, spherical		GB.1451		1
Bush		GB.3615		2
Lever		GB.5038		1
Washer, spherical seated		GB.1450		1
LEVER, intermediate, rear, assembly, consisting of (LC)	6	RG.6125A	1	
Bush		RG.5100		1
Pin, ball		RE.3527		1
Lever, assembly		RG.6027		1

GROUP F3 (Continued overleaf)

SCHEDULE OF SPARE PARTS

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

GROUP F3 LINKAGE (SYNCHROMESH GEARBOX) (Continued)

LINK, bottom intermediate lever to pedal	7	GB.4753	1	
NUT, full, .250" dia., anchor bracket bolt	X.21	K.4008/Z	2	
NUT, half, .312" dia., stay to bracket retaining	X.24	K.4313/Z	1	
NUT, half, .312" dia., pull rod jaw R.H. thread		K.4313/Z	1	
NUT, half, .312" dia., pull rod jaw L.H. thread	X.22	KB.5054/Z	1	
PIN, bearing, bottom link, both ends	8	RG.4406	2	
PIN, bearing, intermediate lever fulcrum (RC)	9	RG.4407	1	
PIN, bearing, intermediate, lever fulcrum (LC)	10	RG.5766	1	
PIN, bearing, intermediate lever pull rod	11	RG.4405	1	
PIN, bearing with flange swivel bracket to anchor bracket		KB.4569/Z	1	
PIN, split, .125" dia., flanged bearing pin swivel bracket		K.4643/Z	1	
PIN, split, .125" dia., bearing pins		K.4643/Z	5	
ROD, pull, clutch adjusting	12	GB.3617	1	
STAY, thrust	13	GB.4752	1	
WASHER, adjusting	14	GB.3309	1	
WASHER, plain to stay bush on swivel bracket	15	GB.3306	2	
WASHER, spring, .250" dia., anchor bracket bolt	X.87	K.9008/Z	2	
WASHER, spring, .312" dia., bracket stay	X.87	K.9009/Z	1	
WASHER, Thackeray, .500" dia., stay to swivel	X.90	K.3808/Z	1	

GROUP F4 PEDAL.

Comprising

BOLT, .312" dia., pedal holder to lever	X.11	K.309/Z	1	
BUSH, clutch operating lever fulcrum (RC)	1	FB.3392	2	
BUSH, clutch operating lever fulcrum (LC)				
(Combined shaft clutch and brake)	2	RF.6333	4	
COLLAR, pedal return spring anchor (RC)	X.16	KB.1179/Z	1	
CUP, anti-fume seal	3	RF.8328	1	
HOLDER, pedal upward stop	4	FB.4455	2	
LEVER, clutch operating, assembly consisting of (RC):		FB.4940A	1	
+ Lever	5	FB.4940	1	
Pin, spring anchor		FB.4713	1	

GROUP F4 (Continued overleaf)

SCHEDULE OF SPARE PARTS

REF. NO. PART NO.

QUANTITY
GROUP ASSY

NOTES

GROUP F4 PEDAL (Cont'd)

LEVER, pedal clutch (LC)	6	RF.6543	1	
LINK, pedal clutch spring (LC)	7	RG.5050	2	
NUT, full, .312" dia., pedal holder to pedal	X.21	K.4009/Z	1	
NUT, full, .375" dia., pedal shaft, retaining (RC)	X.21	K.4010/Z	2	
NUT, half, .3BA, anti-fume seal	X.24	K.4304/N	2	
NUT, lock, .500" dia., combined shaft (LC)	X.24	K.4322/Z	2	
PEDAL, assembly, consisting of (RC)	8	RF.5853	1	
+ Holder		RF.5851	1	
+ Pad, rubber		RF.4281	1	
+ Plate		FB.3769	1	
PEDAL, assembly (LC) as above, except for pedal	9	RF.8022		
PLATE, pedal gap (RC)	10	RF.6706	1	
PLATE, pedal gap (LC)	11	RF.6407	1	
PLATE, backing, pedal gap plate	12	RF.6165	3	
PIECE, distance, anti-fume seal	13	F.61510	2	
PIN, split, .062" dia., pedal return spring anchor (RC)	X.31	K.4602/Z	1	
RETAINER, anti-fume seal	14	F.61548	1	
SCREW, cheesehead, 3 BA	X.45	K.1816/N	2	
SHAFT, pedal (RC)	15	FB.3662	1	
SHAFT, pedal (LC)(combined shaft, clutch and brake)	16	RF.6332	1	
SPRING, anti-fume seal	17	F.60920	1	
SPRING, pedal return (RC)	18	FB.4707	1	
SPRING, pedal return (LC)	19	GB.5097	1	
STOP, pedal downward (Additional)	20	FW.1597		B
STOP, pedal downward rubber		RF.5854	1	
STOP, pedal upward rubber	21	FB.4457	1	
WASHER, felt, anti-fume seal	22	FB.472	1	F
WASHER, pedal lever boss, large dia., bore(RC)	23	FB.3391	1	
WASHER, pedal lever boss, small dia., bore(RC)	24	FB.3390	1	
WASHER, plain .500" dia., pedal lever shaft(LC)	X.84	KB.3909/Z	1	
WASHER, plain felt retainer screw	X.85	K.4446/Z	2	
WASHER, plain, pedal lever boss (LC)	25	RF.7024	1 or 2 to suit.	
WASHER, plain, pedal lever boss (LC)		RF.7025		
WASHER, plain, pedal lever boss (LC)		RF.7026		
WASHER, plain, pedal lever boss (LC)		RF.7027		
WASHER, plain, pedal lever boss (LC)		RF.7028		
WASHER, plain, pedal lever shaft (LC)	26	FB.4623	4	
WASHER, rubber, pedal lever (LC)	27	RF.6408	2	
WASHER, spring, 3 BA, anti-fume seal	X.87	K.9005/N	2	F
WASHER, spring, .312" dia., pedal holder	X.87	K.9009/Z	1	F
WASHER, spring, .375" dia., pedal shaft nuts (RC)	X.87	K.9010/Z	2	
WASHER, spring, .500" dia., pedal lever shaft (LC)	X.87	K.9012/Z	2	

SCHEDULE OF SPARE PARTS

REF. NO. PART NO.

QUANTITY
GROUP ASSEMBLY

NOTES

GROUP F5 TRUNNION AND CROSS SHAFT

Comprising

BEARING, ball, clutch release, Hoffman	1	RG.8408	1	A
BEARING, ball, clutch release, Fischer		RG.8410	1	A
BEARING, ball, clutch release, R. & M.		RG.8409	1	A
BOLT, .312" dia., lever boss	X.II	K.314/Z	1	
HOUSING, ball bearing	2	GB.4083	1	
JOINT, trunnion oil trough	3	GB.4081	1	
KEY, Woodruff, .125" wide, cross shaft lever	X.18	KC.505	1	A
KEY, Woodruff, .1255" wide, cross shaft lever		KC.506	1	A
KEY, Woodruff, .126" wide, cross shaft lever		KC.507	1	A
KEY, Woodruff, .1265" wide, cross shaft lever		KC.508	1	A
LEVER, cross shaft actuating, assy. consisting of:	4	GB.3619A	1	
Bearing, spherical		GB.1451	1	
Lever		GB.3619	1	
Washer, spherical seated		GB.1450	1	
NUT, full .312" dia. lever boss	X.21	K.4009/Z	1	
PIN, bearing, cross shaft lever spherical bearing	5	RG.4405	1	
PIN, split, .093" dia., shaft arms universal ring retaining	X.31	K.4608/Z	2	
PIN, split, .125" dia., cross shaft lever, spherical bearing pin	X.31	K.4643/Z	1	
PIN, split, .125" dia., universal ring in trunnion retaining	X.31	K.4613/Z	2	
RING, dished, ball bearing retaining	6	GB.2084	1	
RING, spring, ball bearing retaining	7	GB.2085	1	
RING, universal	8	G.83321	1	
SCREW, 3BA, oil trough retaining	X.53	KC.101/Z	2	
SHAFT, cross, assembly consisting of (RC):	9	GB.4422A	1	
+ Disc		F.86825	1	
+ Shaft		GB.4422	1	
SHAFT, cross assembly, as above, except shaft (LC)		RG.5764A	1	
TROUGH, oil, trunnion	10	GB.4082	1	
TRUNNION	11	GB.4084	1	
WASHER, spring, 3 BA, trunnion oil trough screw	X.87	K.9005/Z	2	
WASHER, spring, .312" dia., cross shaft lever boss	X.87	K.9009/Z	1	

SCHEDULE OF SPARE PARTS

REF. NO. PART NO. QUANTITY
GROUP ASS'Y NOTESSECTION F.

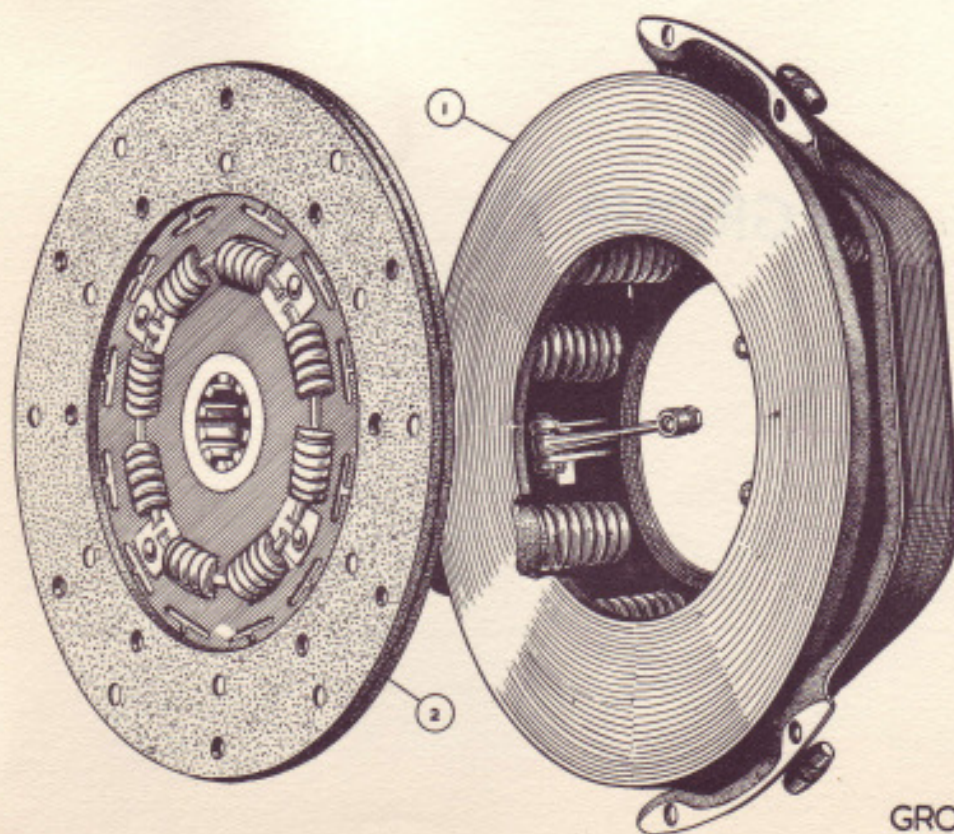
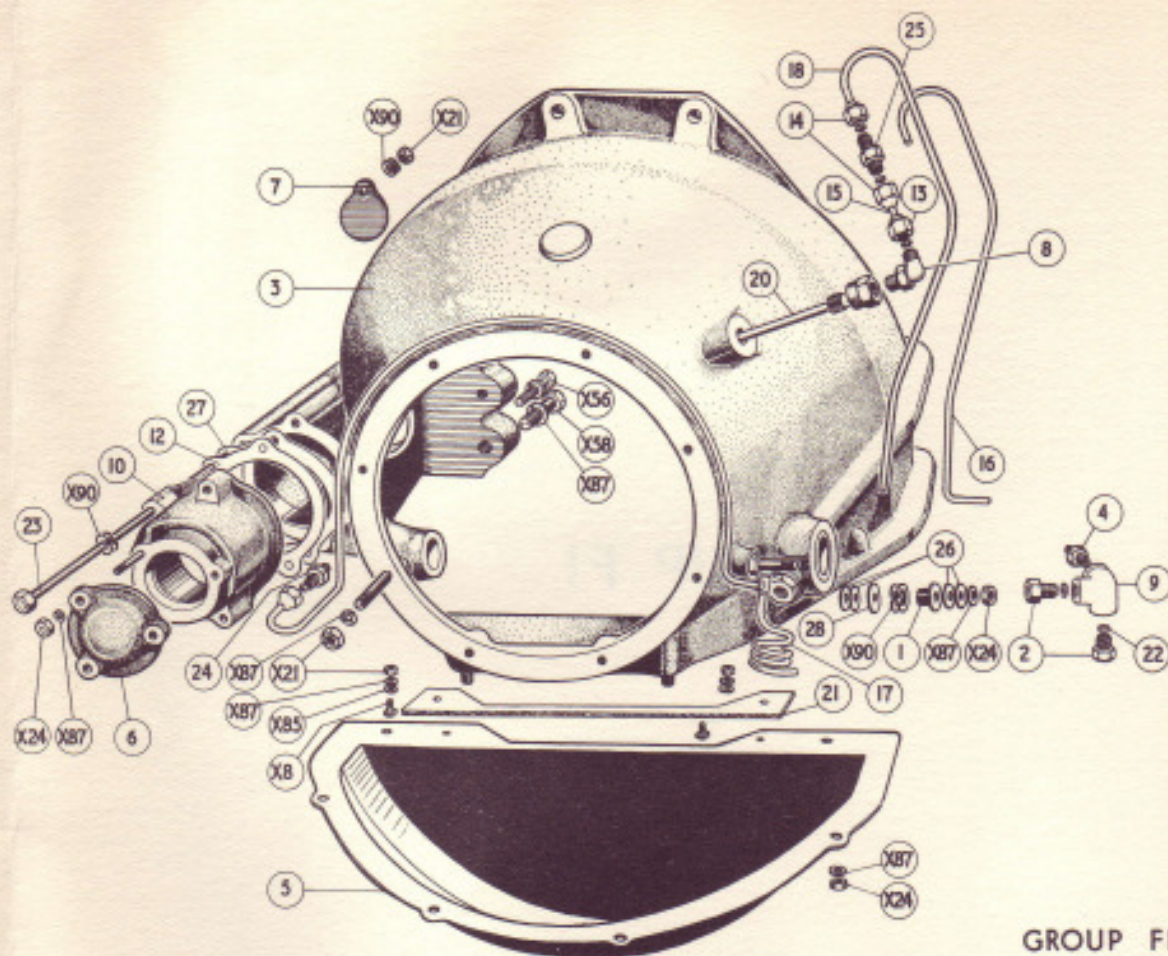
Bentley Continental 'R' Type
As for Bentley except

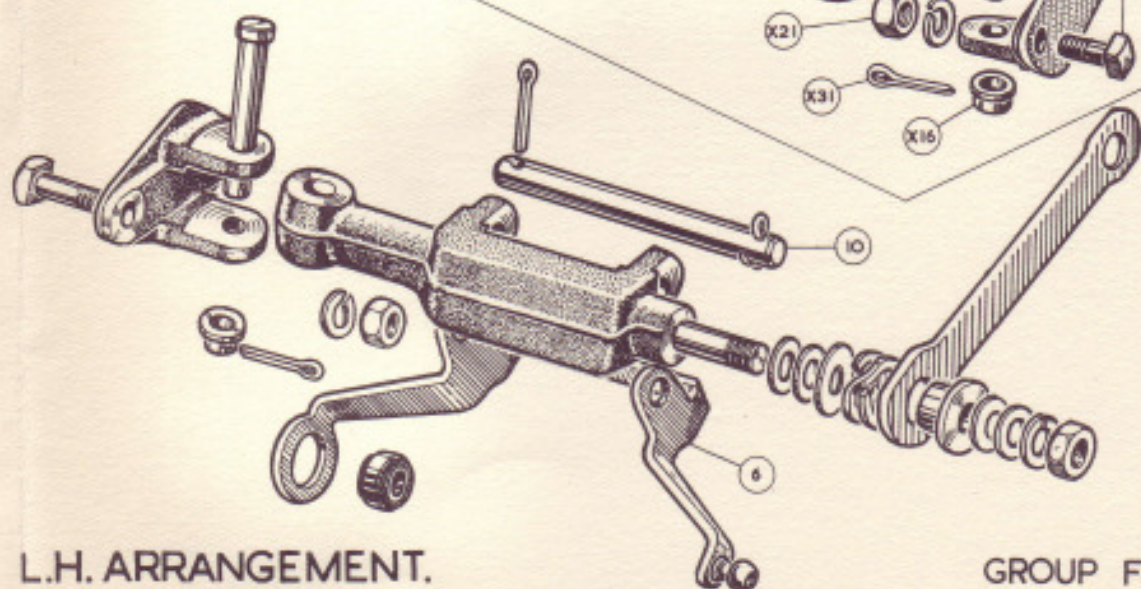
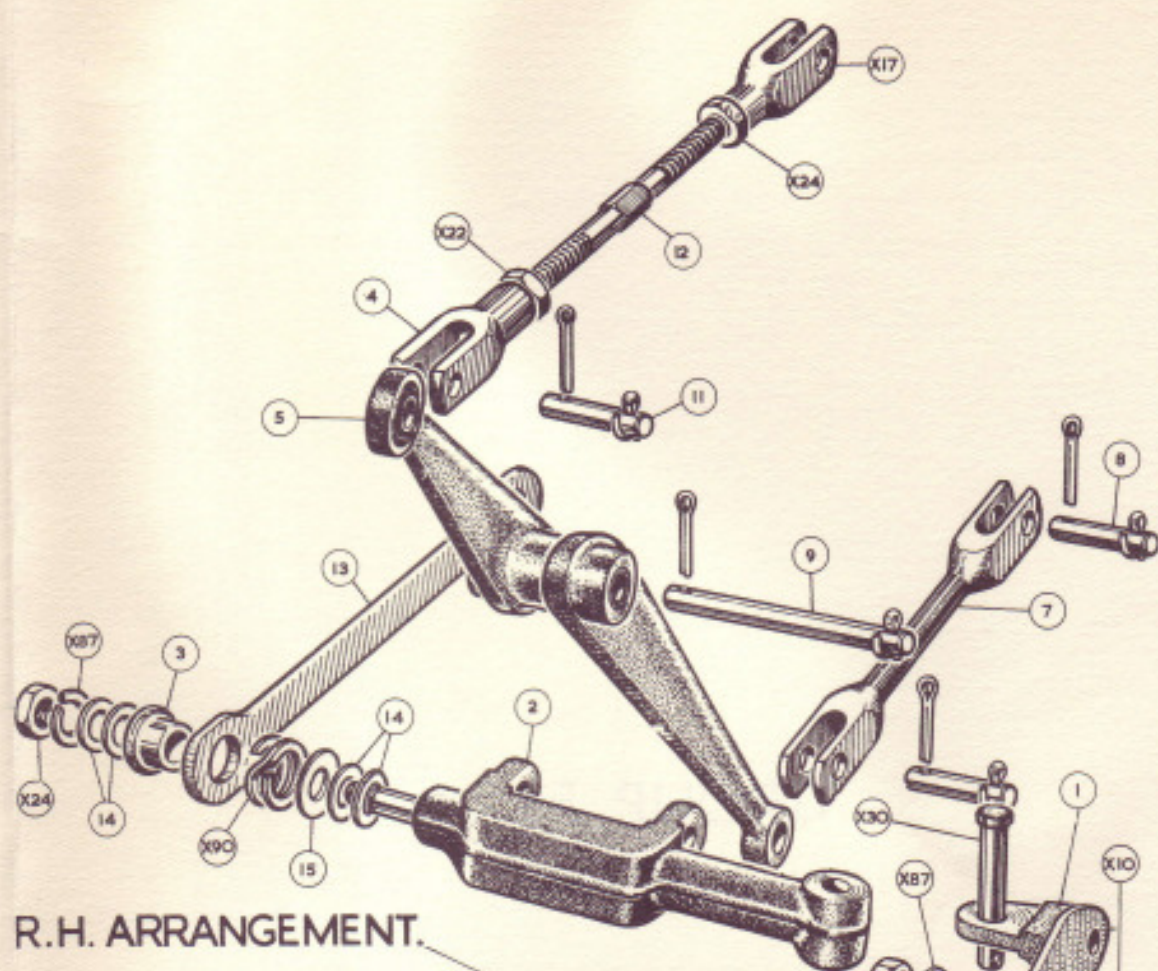
GROUP F.2

	<u>Continental Qty.</u>		<u>Standard Qty.</u>	
CLUTCH, 11" Borg & Beck	RE.17590	1	RE.17586	1
Cover assy.	RE.17598	1	RE.17585	1
Plate, driven assy.	RG.7072	1	RG.7068	1

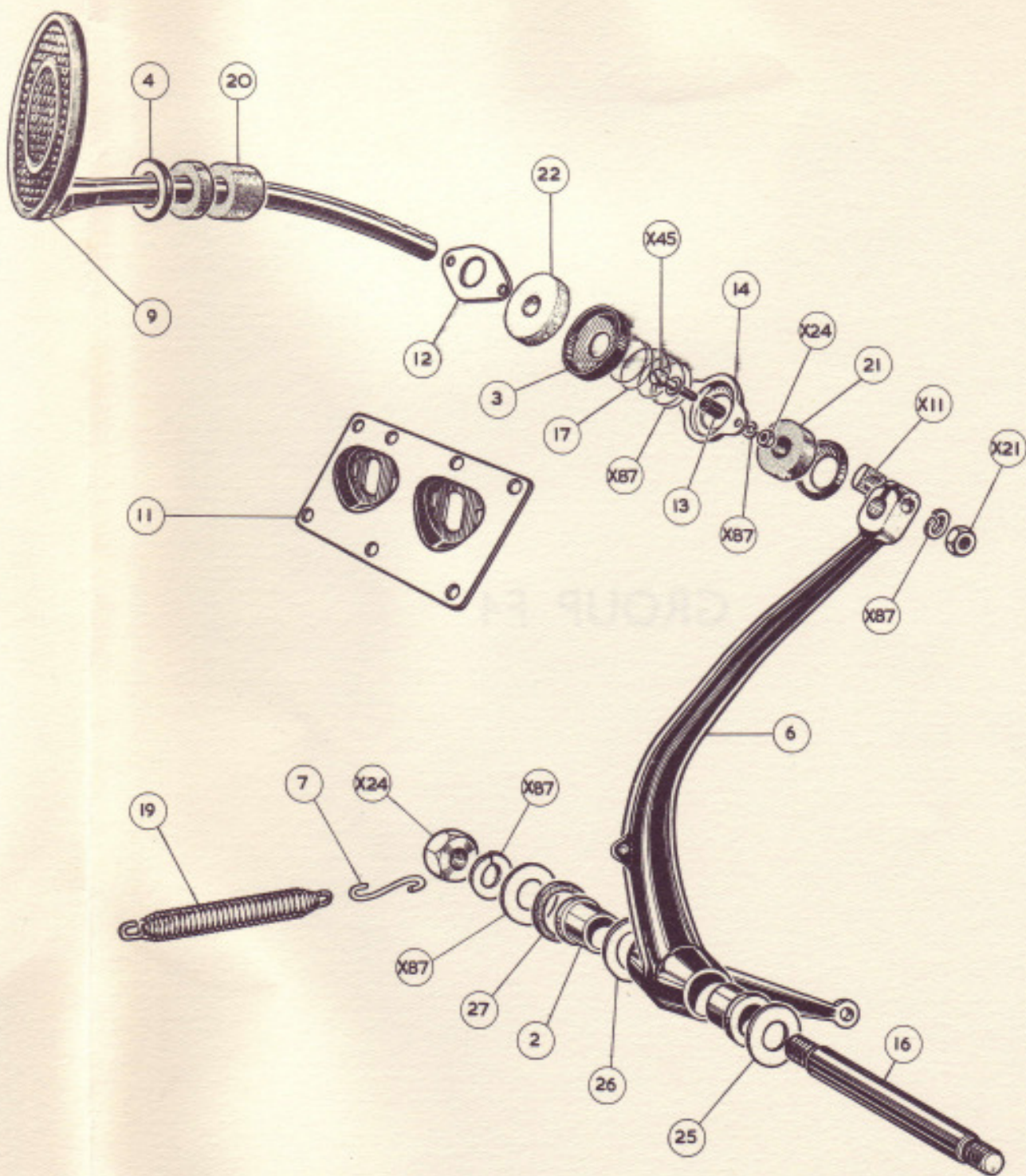
CB1/11/55

PRINTED IN ENGLAND



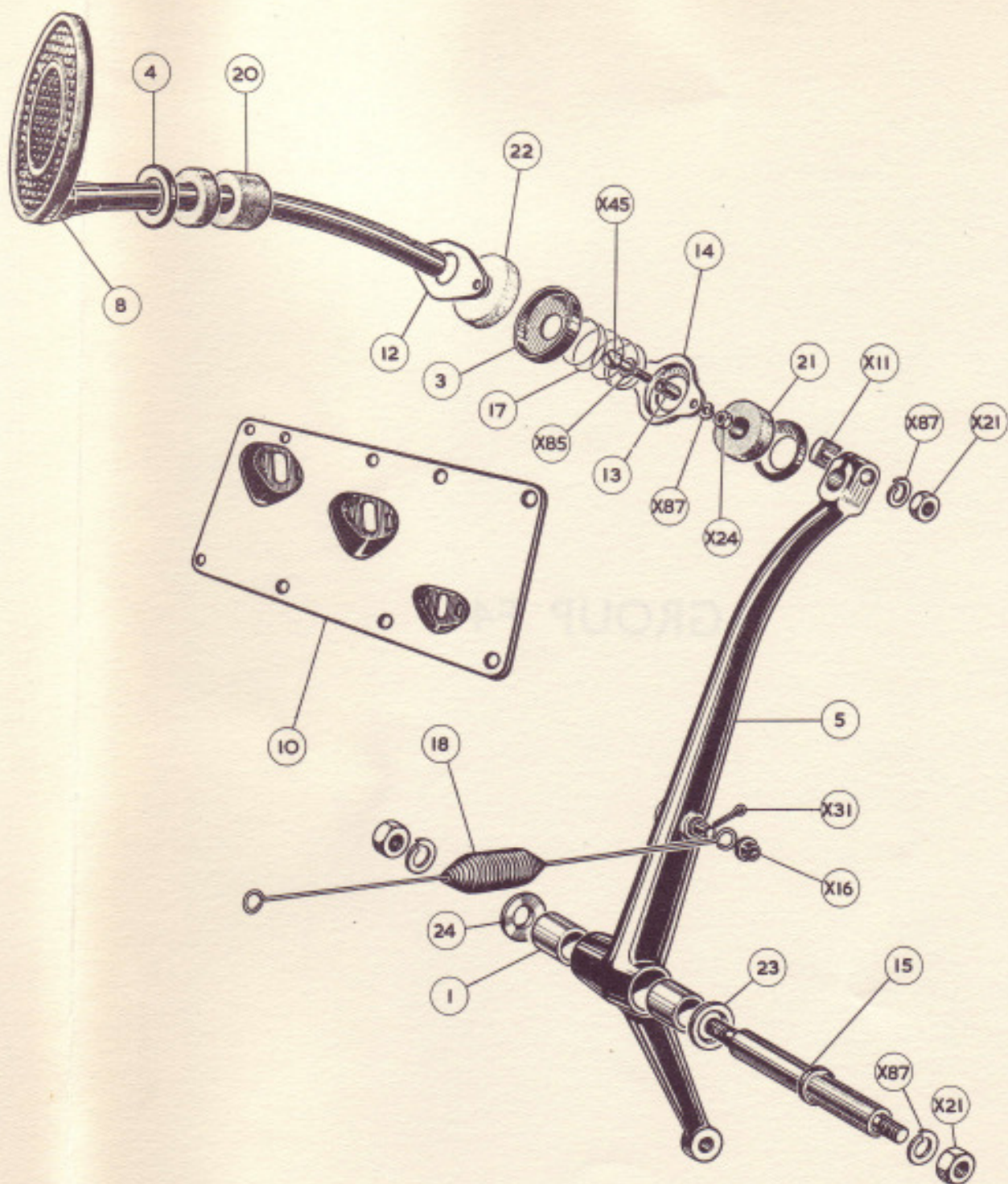


GROUP F3



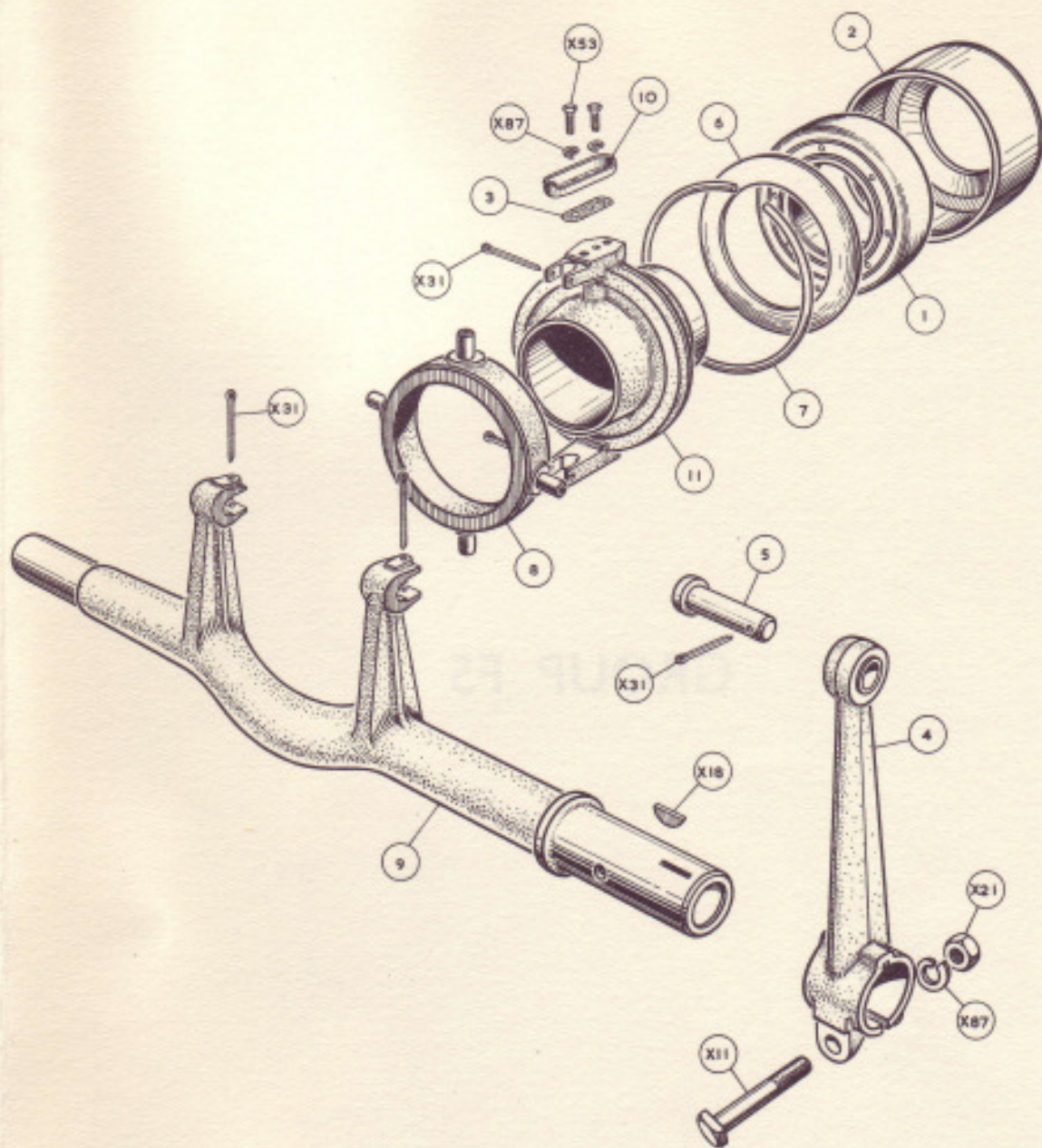
L.H. ARRANGEMENT.

GROUP F4



R.H. ARRANGEMENT.

GROUP F4



GROUP F5