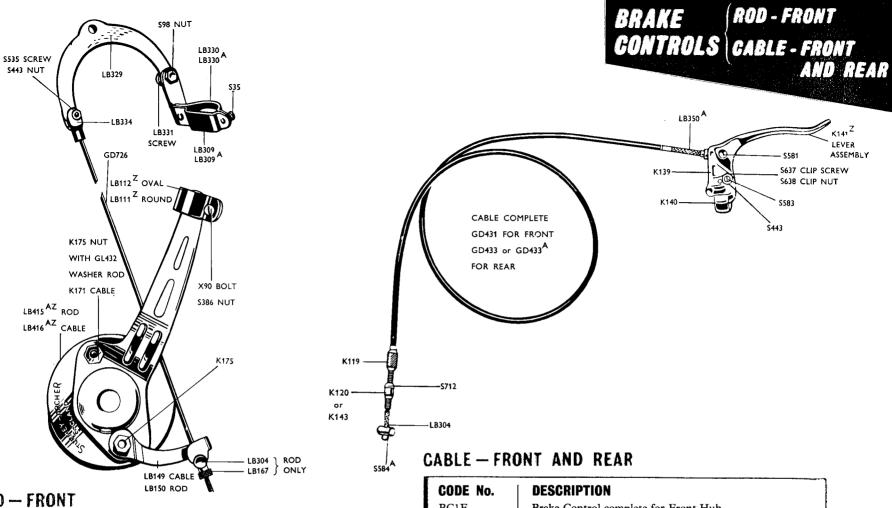


CODE No.	DESCRIPTION
LB401Z	Hub Shell, 32 holes
LB402Z	Hub Shell, 36 holes
M355	Lubricator
K67Z	Ball Cage with 8 ½" diam. balls
LB405	Outer Dust Cap
LB426	Spindle, 5" long
LB426B	Spindle, $4\frac{3}{4}''$ long
LB358Z	R.H. Cone with Dust Cap
LB357AZ	L.H. Cone with Dust Cap
LB159	Packing Washer
LB416AZ	Brake Plate and Arm for Cable operation
LB415AZ	Brake Plate and arm for rod operation
K458AZ	Brake Shoes complete less Cam, Pin type for
	[rod operation
K458ZA	Brake Shoes complete less Cam, Sleeve type for cable
	[operation
K459A	Shoe End Cap
K136	Brake Linings (per pair with rivets)

CODE No.	DESCRIPTION
K456	Fulcrum Sleeve—for cable operation only
K456A	Fulcrum Pin—for rod operation only
K166	Brake Shoe Spring
K452	Brake Operating Cam Cam Lever Nut—also used with K456A
K175	Cam Lever Nut—also used with K456A
GL432	Lock Washer Cam Lever Rod operation only
LB150	Cam Lever
K171 LB149	Wire Guide Cam Lever Cam Lever
LB111Z	Brake Arm Clip complete, round
LB112Z	Brake Arm Clip complete, oval
LB126Z	Brake Arm Clip complete, 'D'
LB130Z	Brake Arm Clip complete, 'D' Brake Arm Clip complete, Humber Duplex
LB145Z	Brake Arm Clip complete, Raleigh Roadster
X90	Clip Screw
S386	Clip Nut
K360	Spacing Washer
K428	Notched Cone Adjuster
X42A	Axle Washer, \frac{1}{8}" thick
X42	Axle Washer, 16"thick
LB155	Cone Locknut
LB155A LB162	Cone Locknut with spigot
LB351Z	Axle Nut Hub Shell, 40 holes
LB352Z	Hub Shell, 36 holes
M355	Lubricator
K67Z	Ball Cage with 8 ½" diam. balls
LB405	Outer Dust Cap
LB156	Spindle, 53" long Spindle, 64" long
LB156A	Spindle, $6\frac{1}{4}$ long
LB358Z	R.H. Cone with Dust Cap
LB357AZ	L.H. Cone with Dust Cap
LB159	Packing Washer
K460AZ	Brake Plate and Arm
K458AZ	Brake Shoes complete less Cam
K456A K459A	Fulcrum Pin Shoe End Cap
K136	Brake Linings (per pair with rivets)
K166	Brake Shoe Spring
K452	Brake Operating Cam
K175	Cam Nut or Fulcrum Pin Nut
GL432	Lock Washer
LB166	Cam Lever
K171	Wire Guide Fitted on Brake Arm
K172	Lock Washer \ for
K168	Guide Nut Cable Operation only
N43Z	Brake Arm Clip complete for oval tubing
K124Z X69	Brake Arm Clip complete for round tubing
S386	Clip Screw Clip Nut
K360	Spacing Washer
K428	Notched Cone Adjuster
X42A	Axle Washer, \frac{1}{8}" thick
X42	Axle Washer, 16 thick
LB155	Axle Washer, \(\frac{1}{8}''\) thick Axle Washer, \(\frac{1}{16}''\) thick Cone Locknut
LB162	Axle Nut
	See separate pages for Brake Control parts

See separate pages for Brake Control parts

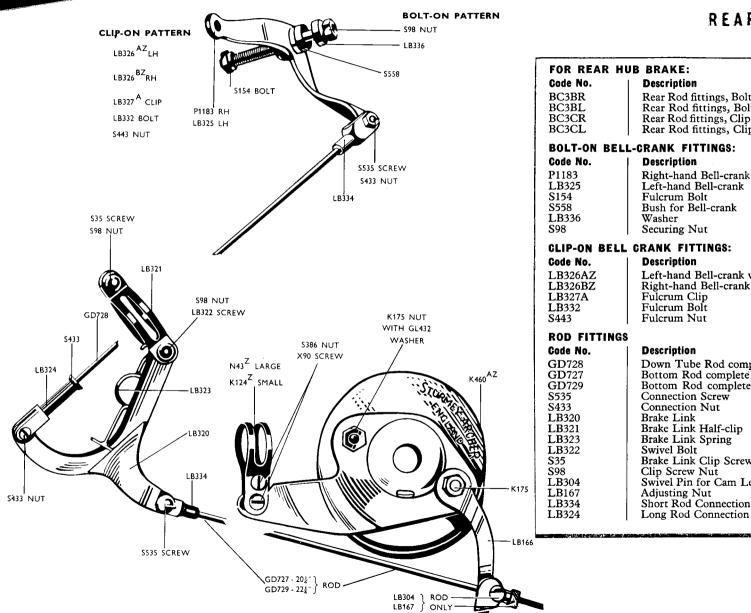


ROD - FRONT

CODE No.	DESCRIPTION
BC2	Front Rod fittings complete from Stirrup to Hub
LB329	Front Brake Stirrup
LB309	Inner Clip for 'D' or Duplex Forks
LB309A	Inner Clip for Oval Forks
LB330	Outer Clip for 'D' or Oval Forks
LB330A	Outer Clip for Duplex Forks only.
S35	Clip Screw
LB331	Fulcrum Screw
S98	Nut for Fulcrum Bolt
LB334	Rod Connection
S535	Connection Screw
S433	Connection Nut
GD 726	Brake Rod with top connection
LB304	Swivel Pin
LB167	Adjusting Nut

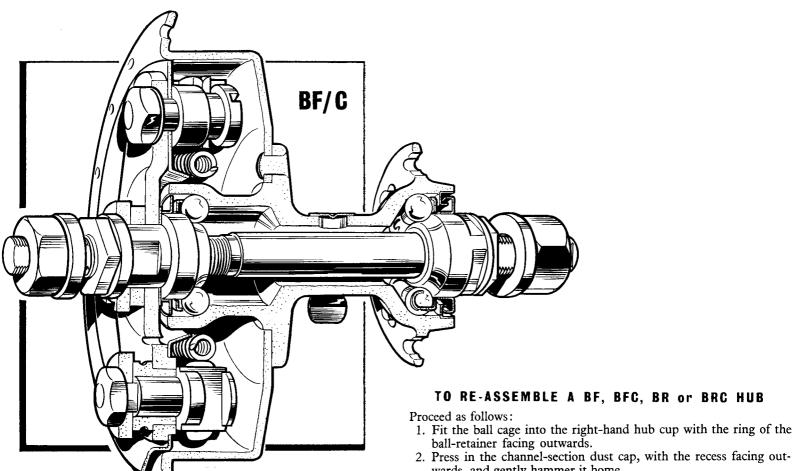
CODE No.	DESCRIPTION
BC1F	Brake Control complete for Front Hub
BC1R	Brake Control complete for Rear Hub
K141Z	Brake Lever complete
K139	Lever Fulcrum
S583	Fulcrum Bolt
S443	Fulcrum Nut
K140	Fulcrum Clip
S637	Clip Screw
S638	Clip Nut
LB350A	Cable Guide
S581	Wire Nipple
GD431	Front Brake Cable complete
GD433	Rear Brake Cable complete to 1956 only
GD433A	Rear Brake Cable from 1957
K119	Cable Adjuster
K120	Adjuster Nut (Rear Cables to 1956 only) and all front cables
K143	Cable Adjuster for Rear Cables from 1957
S712	Locknut
LB304	Swivel for Cam Lever
S584A	Nipple (hub end)

ROD-BRAKE CONTROLS - REAR

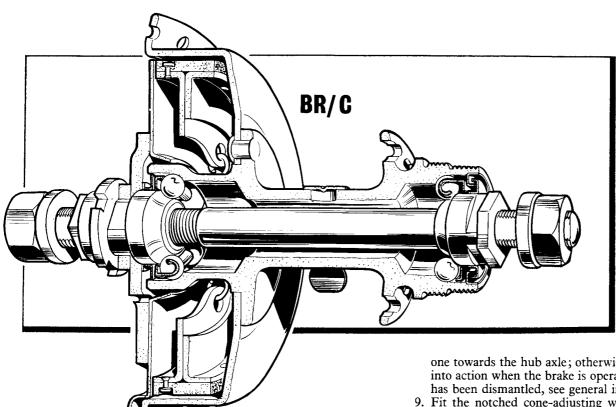


REAR

	FOR REAR HUB BRAKE:		
	Code No.	Description	
	BC3BR	Rear Rod fittings, Bolt-on Bell-crank, right-hand operated	
	BC3BL	Rear Rod fittings, Bolt-on Bell-crank, left-hand operated	
	BC3CR	Rear Rod fittings, Clip-on Bell-crank, right-hand operated	
	BC3CL	Rear Rod fittings, Clip-on Bell-crank, left-hand operated	
BOLT-ON BELL-CRANK FITTINGS:		L-CRANK FITTINGS:	
	Code No.	Description	
	P1183	Right-hand Bell-crank	
	LB325	Left-hand Bell-crank	
	S154	Fulcrum Bolt	
	S558	Bush for Bell-crank	
	LB336	Washer	
	S98	Securing Nut	
CLIP-ON BELL CRANK FITTINGS:			
	Code No.	Description	
	LB326AZ	Left-hand Bell-crank with fulcrum	
	LB326BZ	Right-hand Bell-crank with fulcrum	
	LB327A	Fulcrum Clip Not illustrated	
	LB332	Fulcrum Bolt	
	S443	Fulcrum Nut	
	ROD FITTINGS		
	Code No.	Description	
	GD728	Down Tube Rod complete with connection each end	
	GD727	Bottom Rod complete with front connection (20¼" rod)	
	GD729	Bottom Rod complete with front connection $(22\frac{1}{4}" \text{ rod})$	
	S535	Connection Screw	
	S433	Connection Nut	
	LB320	Brake Link	
	LB321	Brake Link Half-clip	
	LB323	Brake Link Spring	
	LB322	Swivel Bolt	
	S35	Brake Link Clip Screw	
	S98	Clip Screw Nut	
	LB304	Swivel Pin for Cam Lever	
	LB167	Adjusting Nut	
	LB334	Short Rod Connection	
	I D224	Long Pod Connection	



- wards, and gently hammer it home.
- 3. If the right-hand cone has been removed, replace it on the axle and screw it up tight against the shoulder.
- 4. Fit the right-hand spacing washers (if any) and cone locknut.
- 5. Pass the spindle through the hub shell, from the right-hand side.
- 6. Fit the ball cage into the left-hand hub cup, with the ring of the ball-retainer facing outwards.
- 7. Fit the (left-hand) cone and spacing washers.
- 8. Replace the brake anchor plate, complete with shoes, over the end of the left-hand cone. (If the shoes have been removed, make sure when replacing them that the longer of the two short arms on the cam spindle is pointing towards the drum surface and the shorter



one towards the hub axle; otherwise only one shoe will be brought into action when the brake is operated.) If the brake shoe assembly has been dismantled, see general instructions.

9. Fit the notched cone-adjusting washer over the flats of the lefthand cone. Screw it up finger-tight and then slacken it half a turn.

- 10. Fit the washers (if any) and the left-hand cone locknut in the arrangement noted when dismantling the hub, adjust the hub bearing as described in 'The Fitting and Adjustment of Sturmey-Archer Hubs.'
- 11. Replace the wheel in the cycle frame. The axle is flatted to prevent it from turning in the slots of the cycle frame—a very important point—and special lipped washers are supplied with BR/BRC hubs to engage in the frame slots. See that the brake plate of a rear brake is not strained when being connected to the anchor clip, which must be fixed so that it engages easily. The arm of a front brake must be a good fit in the clip. Brake arm clips must be tight on the frame or fork. If the machine is being laid up, put one or two drops of oil between the brake-plate and the cam lever, but not enough to penetrate into the brake drum.