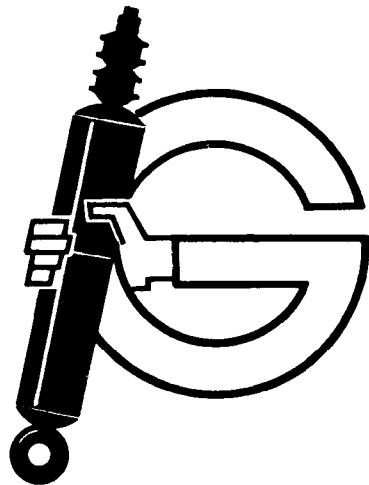




GIRLING

**SUSPENSION
UNITS FOR
MOTOR
CYCLES**





GIRLING LIMITED SALES & SERVICE BIRMINGHAM RD., WEST BROMWICH

Telephone: WEST BROMWICH 3651/9

Telex 33-242

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THE CAMRING ADJUSTER

The unique Girling CAMRING Adjuster is a standard feature on all SB type units. By applying less than half a turn to the stepped cam the suspension is corrected and locked to suit the change of load.

Raising the base of the spring retains the same riding position and range of movement. At night this is particularly valuable as the angle of the headlamp beam remains unaltered.

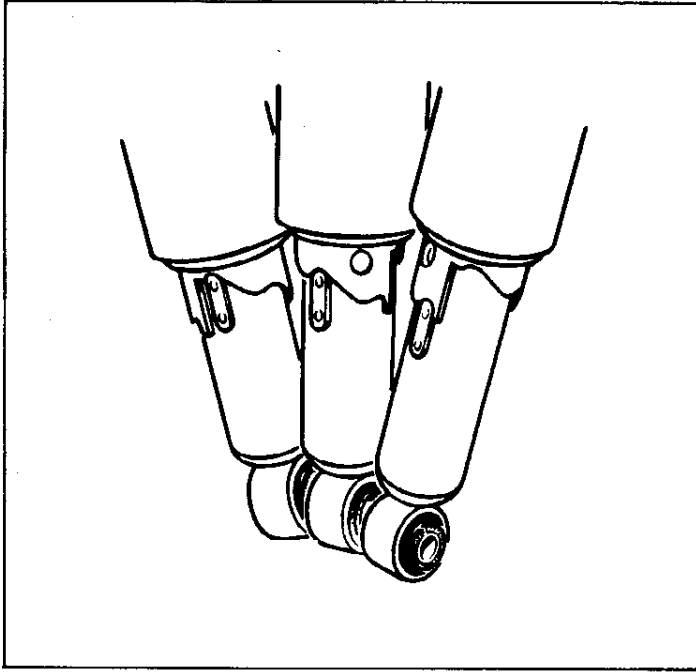


Fig. 1

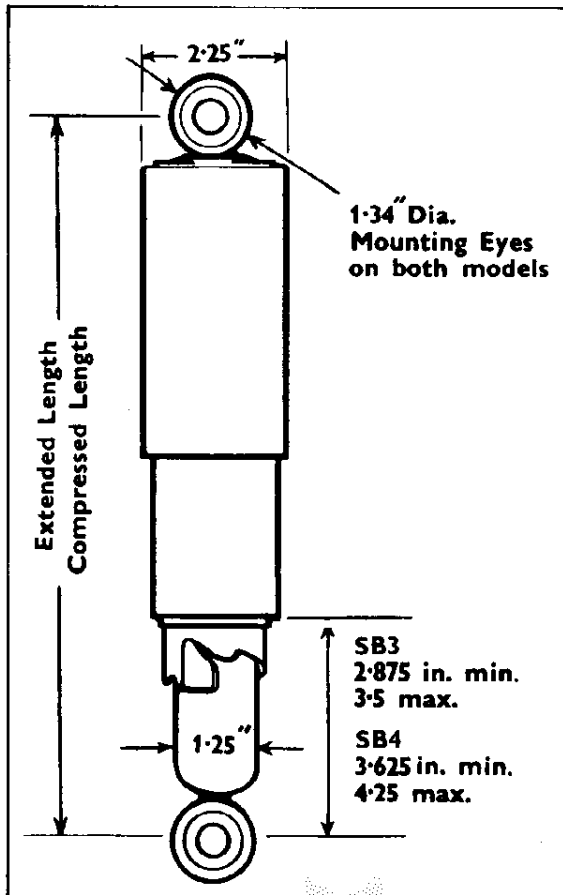


Fig. 2

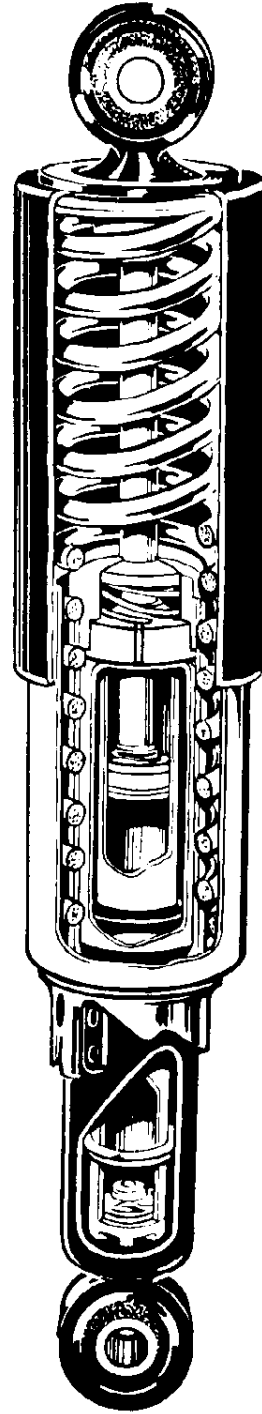


Fig. 2

Our SB units are made in two main sizes. SB.3 and SB.4 with nominal stroke lengths of 3" and 4" respectively.

For most machines these allow too much movement and stroke restrictors are employed to reduce it in the particular way needed for the individual models. The extended and compressed lengths in the list show this.

The colour code letter, together with the key on page 11 indicate the production finish, and instances will be seen where the upper dirt shield is in primer for the final matching finish to be applied when fitting.

An alternative finish can be obtained in these cases, as shown in the list, but units can be made up by our agents with chromium dirt shield at a small extra cost. This combination has an attractive appearance, and will be preferred in many cases to a matching colour.

GIRLING MOTOR CYCLE SUSPENSION UNITS

ALL UNITS ARE FOR REAR SUSPENSION UNLESS MARKED OTHERWISE

MODEL	COMPLETE SUSPENSION UNIT	LENGTH		FERRULE TUBE AND BUSH ASSEMBLY	SPRING			OUTER SHIELD		SHOCK
		EX-TENDED	COM-PRESSED		NUMBER	RATE	L'GTH	NUMBER	L'GTH	ABSORBER
VELOCETTE										
Valiant 200 .. 1958 on	3000 (SB2-5)	10-9	7-8	64533645	9054/103	80	7-5	64533075A	4 1/2"	4780
Valiant 200 .. 1958 on	3802 (SB2-5)	10-9	7-8	64533645	9054/103	80	7-5	64533075AE	4 1/2"	4780
Viper 350 .. 1957 on	4305 (SB4)	13-2	9-7	T64533652	9054/63	126	8-4	64533025A	5"	4461
Venom 500 .. 1957 on				B9046/386						
Viceroy Scooter 250 .. 1960	4329 (SB4)	13-2	9-7	64533645	64541653	210	8-8	64532981A	6"	4460
Thruxtan 500 .. 1965 on	4776 (SB4)			T64533652	9054/63	126	8-4	64532778	—	4461
WATSONIAN										
Sidcar 1955	3024 (SB3)	11-4	8-6	64533645	SA286/54	120	7-5	64533075A	4 1/2"	3779
WOOLER										
Flat Four OHV 498 .. 1955-57	3028 (SB3)	11-9	8-6	64533645	9054/58	90	8-0	64533025A	5"	4061
YAMAHA										
YDS2 250 .. 1962 on	3805 (SB4)	12-9	10-2	—	9054/70	110	8-5	64533025A	5"	3890

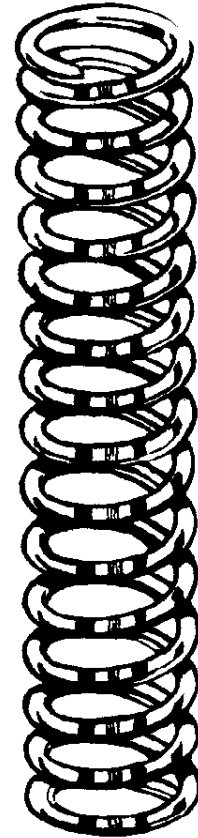
NOTE! For this application it is necessary to use the original fixing bushes

MOTORCYCLE SUSPENSION UNITS SPRING IDENTIFICATION

A system of colour markings for the identification of suspension springs has been devised, and it consists of three splashes of paint applied to the coils of the springs in the manner shown in the illustration. The colour combination together with the list below, provides the key to the part number and spring rate.

The two outer colours are the same and called the 'primary' colour and the inner is the secondary colour.

All the springs listed are for the adjustable unit (B type).



SUSPENSION SPRINGS IN ORDER OF SPRING RATE

Part Number	Colour		Rate Lbs./In.	Length (When fitted)	Load
	Primary	Secondary			
64539002	White	Yellow	42	9.4	18
9054/64	White	Blue	45	8.0	35
9054/90	Yellow	Blue	54	9.4	20
9054/317	Yellow	Yellow	75	8.0	40
9054/66	Yellow	Green	78	9.4	23
9054/103	Yellow	Red	80	7.5	23
9054/59	Yellow	White	88	8.4	28
9054/94	Green	White	90	9.4	27
9054/58	Green	Yellow	90	8.0	27
64541820*	Green	Orange	60/90	8.1	100
64541788*	Green	Purple	60/90	8.0	60
SA286/46	Green	Red	96	8.1	27
9054/53	Green	Blue	100	7.4	30
9054/280	Green	Green	100	8.4	28
64541530*	Green	Pink	70/100	8.4	70
9054/312	Red	Pink	110	7.8	25
9054/277	Red	Red	110	8.0	35
9054/70	Red	Blue	110	8.4	45
64543114			110	8.4	45
9054/88	Red	White	110	9.4	28
SA286/54	Red	Green	120	7.5	63
9054/63	Red	Yellow	126	8.4	50
64539963	Red	Orange	132	8.0	62
SA253/5	Blue	Yellow	145	8.0	28
SA193/57	Blue	Red	150	8.4	73
9054/165	Blue	Green	160	7.0	42
64540471	Blue	White	195	9.4	35
64541653	Blue	Orange	210	8.8	35

* Twin Rate Spring

SUSPENSION SPRINGS IN PART NUMBER ORDER

Part Number	Colour		Rate Lbs./In.	Length (When fitted)	Load
	Primary	Secondary			
SA193/57	Blue	Red	150	8.4	73
SA253/5	Blue	Yellow	145	8.0	28
SA286/46	Green	Red	96	8.1	27
SA286/54	Red	Green	120	7.5	63
9054/53	Green	Blue	100	7.4	30
9054/58	Green	Yellow	90	8.0	27
9054/59	Yellow	White	88	8.4	28
9054/63	Red	Yellow	126	8.4	50
9054/64	White	Blue	45	8.0	35
9054/66	Yellow	Green	78	9.4	23
9054/70	Red	Blue	110	8.4	45
9054/88	Red	White	110	9.4	28
9054/90	Yellow	Blue	54	9.4	20
9054/94	Green	White	90	9.4	27
9054/103	Yellow	Red	80	7.5	23
9054/165	Blue	Green	160	7.0	42
9054/277	Red	Red	110	8.0	35
9054/280	Green	Green	100	8.4	28
9054/312	Red	Pink	110	7.8	25
9054/317	Yellow	Yellow	75	8.0	40
64539002	White	Yellow	42	9.2	18
64539963	Red	Orange	132	8.0	62
64540471	Blue	White	195	9.4	35
64541530*	Green	Pink	70/100	8.4	70
64541653	Blue	Orange	210	8.8	35
64541788*	Green	Purple	60/90	8.0	60
64541820*	Green	Orange	60/90	8.1	100
64543114			110	8.4	45

* Twin Rate Spring

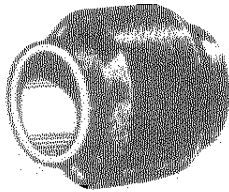
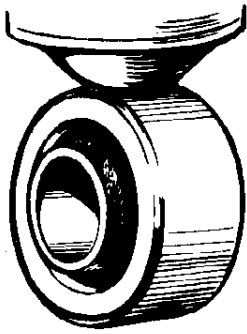
GIRLING MOTOR CYCLE SUSPENSION UNITS

SERVICE SPARES

not listed on previous pages

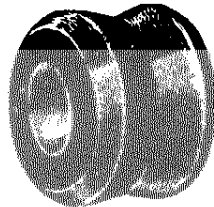
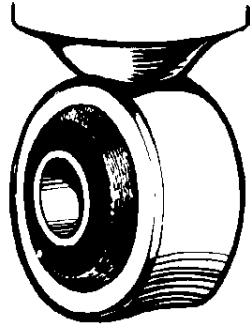
FERRULE BUSHES

PRESENT TYPE



Bush assembly
(see Table below)

EARLY TYPE



Ferrule bush
9046/741



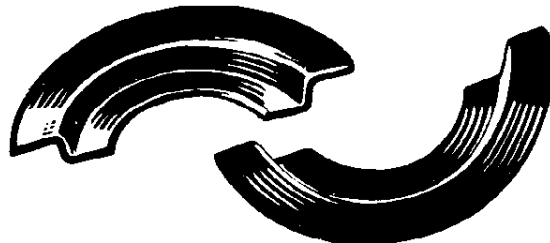
Ferrule bush
sleeve
9046/862
9046/985
9054/82

LOWER DIRT SHIELD (Chrome)

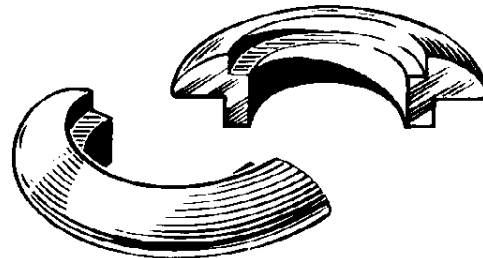


For all SMDA and SB types 64532778

SPRING RETAINERS



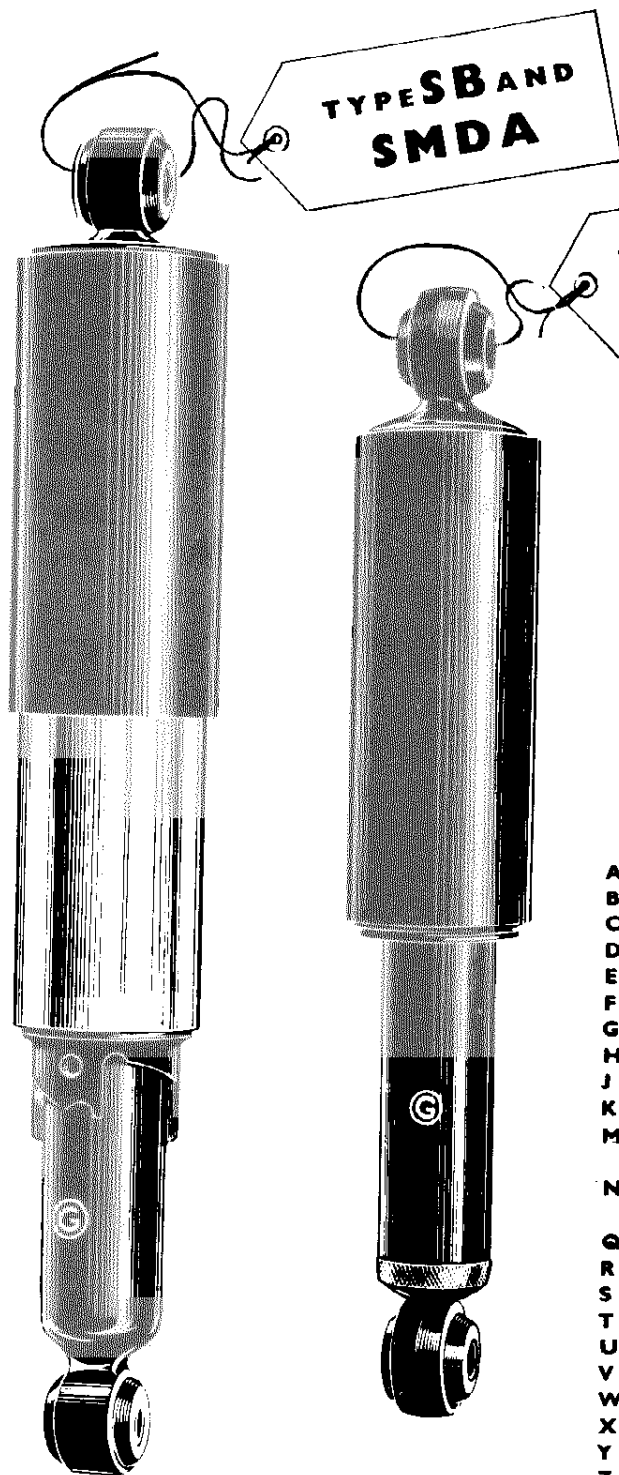
Standard types 9054/171



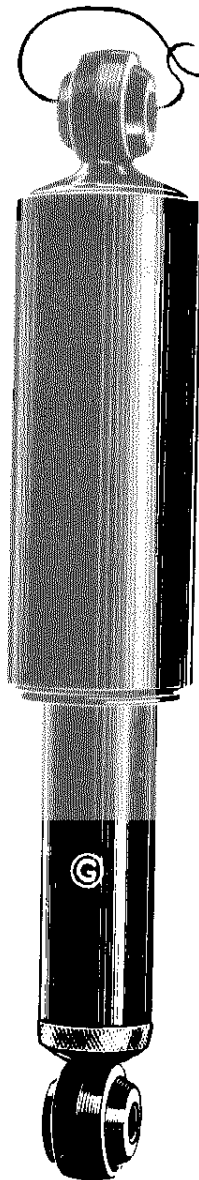
Special for AJS & Matchless 9054/286
Can be used on all SMDA and SB types

FERRULE TUBE WITH BONDED BUSH	FERRULE TUBE FOR USE WITH BUSH 9046/741	SIZE	
		TUBE LENGTHS INCHES	BOLT DIAMETER
64533645	9046/862	.942	.375
64533646		.942	.4687
64533647		.942	.3906
64533648		.905	.4687
64533649	9054/82	.880	.3125
64533650		.787	.4687
64533651	9046/985	.755	.3125
64533652		.880	.375
64533654		.942	.5
64533655		.942	.4375
64533656		1.130	.375
64533657		.817	.3906
64533658		.755	.375
64533660		.755	.3503
64533661		1.375	.4687

All goods are sold subject to our usual conditions of sale.



**TYPE SB AND
SMDA**



**TYPE SC AND
SMDL**

The SMDL or SC unit is similar in size to the SMDA or SB unit except that the overall diameter is $2\frac{1}{32}$ " and the height from the lower eye centre to the dirt shield with the unit fully compressed is approximately $2\frac{1}{4}$ ". Other important dimensions are shown on the preceding pages against each item.

COLOUR

- | | |
|------------------------------------|---------------------------------|
| A BLACK | AB FRANCIS BARNETT GREEN |
| B SILVER GREY | AC JAMES MAROON |
| C GREY PRIMER | AD MARTIAL GREY |
| D POLYCHROMATIC BLUE | AE VELOCETTE DARK GREEN |
| E ARAMANTH RED | AF LIGHT GREEN |
| F STEEL GREY | AG MATT GREEN |
| G METALUSCENT BLUE | AH RED |
| H CHROMIUM PLATE | AJ BLUE |
| J LIMESTONE GREY | AK PURPLE |
| K PARIS GREY | AL GREEN |
| M POLYCHROMATIC SILVER GREY | AM BROWN |
| N WATER WHITE CLEAR LACQUER | AN YELLOW |
| Q CRYSTAL GREY | AO RED |
| R B.S.A. MAROON | AP WHITE |
| S BANTAM GREY | AQ GIRLING DRAB GREEN |
| T SILVER BEIGE | AR BLACK |
| U DARK GREEN | AS ORANGE |
| V BURGUNDY MAROON | AT CHERRY RED |
| W MAROON, M.P. | AU TUNISIAN BLUE |
| X GREEN | AV NORTON DOVE GREY |
| Y RED PRIMER | AW LIGHT RED |
| Z BEAUVAIS GREEN | AX MATT GREEN (A.M.C.) |
| AA TURQUOISE BLUE | AY QUAKER BLUE |

Agents lists available from:—

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