

LUCAS

GIRLING

CONFIRMED SPECIFICATIONS & SERVICE PARTS

BRITCYCLE
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CE824/70

B.S.A.

Motor Cycles

1970



*This publication incorporates
NVS 2522 and 2527 which
should be destroyed*



EQUIPMENT SPECIFICATIONS

B.S.A. 250cc B25 'Fleetstar' 250cc B25 'Starfire' 441cc B44 'Shooting Star'							
Unit	Model	Part No.	Unit	Model	Part No.	Unit	Part No.
Alternator ..	RM21	—	LAMPS (continued)				
Serviced by ..	—	★54213901	Head, Export France ..	SS700P	*59984B		
Rotor ..	—	★47205A			(59885 and		
Stator ..	—	★36403A	Light unit (Germany and Italy) ..	—	*516801		
Ammeter ..	2AR	54027029			(555275)		
Battery ..	PUZ5A	554710	Bulb ..	—	370		
Bulbholder ..	—	643	Stop tail and number plate ..	679	53973E		
Bulb ..	—	54957239	Rectifier ..	2DS506	★49072B		
Cable harness ..	—	★54441582	Reflex reflector, red ..	RER24	★57111B		
Condenser ..	—	*★45221A	" " " " " " " " " " " "	RER25	★57162B		
Coil ..	17M12	(45223)	SWITCHES				
		*47635F	Ignition ..	S45	31899B		
Contact breaker ..	6CA	(54419645)	Lighting ..	57SA	★35710A		
		&	Stop lamp ..	118SA	★34815B		
Diode, Zener ..	ZD715	54419653)	Warning light (main beam) ..	WL15	★38189A		
		★49345A					
LAMPS			REAR SUSPENSION UNIT (complete) ..	—	2038 (SB4)		
Head, Home and Export ..	SS700P	*59982B	(Serviced by Girling)		*2110 (SB4)		
		(59883)	Ferrule tube and bush assembly ..	—	T64533645		
Head, Export Europe ..	SS700P	*59983B	" " " " " " " " " " " "	—	B64533654		
		(59885)	Spring ..	—	6054/280		
			" " " " " " " " " " " "	—	*64543708		
			Shock absorber ..	—	4644		

B.S.A. 440cc 'Victor Special'							
Unit	Model	Part No.	Unit	Model	Part No.	Unit	Part No.
Alternator ..	RM21	—	LAMPS (continued)				
Serviced by ..	—	★54213901	Head, Export Europe ..	MCH66	*60114A		
Rotor ..	—	★47205A			(59966 and		
Stator ..	—	54027029	Head, Export France ..	MCH66	*60115A		
Battery ..	PUZ5A	554710			(59966 and		
Bulbholder ..	—	643			bulbs		
Bulb ..	—	54957308	Stop tail and number plate ..	679	53973E		
Cable harness ..	—	★54441582	Rectifier ..	2DS506	★49072B		
Condenser ..	—	(45223)	Reflex reflector, red ..	RER24	★57111B		
Coil ..	17M12	*★45221A	" " " " " " " " " " " "	RER25	★57162B		
		(45223)	SWITCHES				
Contact breaker ..	6CA	*47635F	Ignition ..	S45	31899B		
		(54419645)	Lighting ..	57SA	★35710A		
		&	Stop lamp ..	118SA	★34815B		
Diode, Zener ..	ZD715	54419653)	Warning light (main beam) ..	WL15	★38191A		
		★49345A					
LAMPS			REAR SUSPENSION UNIT (complete)	—	2110(SB4)		
Head, Home and Export ..	MCH66	*60113A	(Serviced by Girling)				
		(59965)	Ferrule tube and bush assembly ..	—	T64533645		
Bulb, Home ..	—	466	" " " " " " " " " " " "	—	B64533654		
" U.S.A. ..	—	464	Spring ..	—	64543708		
" pilot ..	—	989	Shock absorber ..	—	4644		

B.S.A. 650cc A65 'Firebird Scrambler'							
Unit	Model	Part No.	Unit	Model	Part No.	Unit	Part No.
Alternator ..	RM21	—	LAMPS (continued)				
Serviced by ..	—	★54213901	Head, Export Europe ..	MCH66	*60038A		
Rotor ..	—	★47205A			(59966 and		
Stator ..	—	54027029	Head, Export France ..	MCH66	*60039A		
Battery ..	PUZ5A	554710			(59966 and		
Bulbholder ..	—	643			bulbs		
Bulb ..	—	54955720	Stop tail and number plate ..	679	53973E		
Cable harness ..	—	*47638A	Rectifier ..	2DS506	★49072B		
Capacitor pack ..	2CP	(54418526,	Reflex reflector, red ..	RER24	★57111B		
		54418528	" " " " " " " " " " " "	RER25	★57162B		
		and 2 off	SWITCHES				
Coil ..	17M12	54420128)	Ignition ..	S45	31899B		
		*★45221A	Lighting ..	57SA	★35710A		
Contact breaker ..	6CA	(45223)	Stop lamp ..	6SA	★34448B		
		*47630F	Warning light (main beam) ..	WL15	★38191A		
		(54419344					
Diode, Zener ..	ZD715	&	REAR SUSPENSION UNIT (complete)	—	2109 (SB4)		
		54419097)	(Serviced by Girling)				
		★49345A	Ferrule tube and bush assembly ..	—	64533645		
LAMPS			Spring ..	—	64544235		
Head, Home and Export ..	MCH66	*60037A	Shock absorber ..	—	4456		
		(59965)					
Bulb, Home ..	—	466					
" U.S.A. ..	—	464					
" pilot ..	—	989					

* When ordering, quote part number shown in brackets

§ B25 Fleetstar only

★ Service complete unit only

|| Part of headlamp



EQUIPMENT SPECIFICATIONS

B.S.A. 500cc A50 'Royal Star'							
650cc A65 'Thunderbolt'							
650cc A65 'Lightning'							
Unit			Model	Part No.	Unit		
Alternator			RM21	—	LAMPS (continued)		
Serviced by			—	★54213901	Head, Export Europe		
Rotor			—	★47205A	SS700P		
Stator			—	★47205A	SS700P		
Ammeter			2AR	★36403A	Head, Export France		
Battery			PUZ5A	54027029	SS700P		
Bulbholder			—	554710	(59885 and bulb 411)		
Bulb			—	643	★516801		
Cable harness			—	54955258	(555275)		
Capacitor pack			2CP	★47638A	370		
				(54418526,	679		
				54428528	53973E		
				& 2 off	2DS506		
				54420128)	★49072B		
Coil			17M12	★45221A	RER24		
				(45223)	★57111B		
Contact breaker			6CA	★47630F	RER25		
				(54419097	★57162B		
				&			
				54419344)			
Diode, Zener			ZD715	★49345A			
LAMPS							
Head, Home and Export			SS700P	★59982B			
				(59883)			

B.S.A. 750cc A75 3 cyl. 'Rocket 3'							
750cc A75 3 cyl. 'Rocket 3'							
750cc A75 3 cyl. 'Rocket 3'							
Unit			Model	Part No.	Unit		
Alternator			RM20	—	LAMPS (continued)		
Serviced by			—	★47209A	Head, Export France		
Rotor			—	★54213902	MCH69		
Stator			—	36421A	(59894 and bulb 411)		
Ammeter			2AR	54027029	★516801		
Battery			PUZ5A	554710	(555275)		
Bulbholder (Speedo and Rev. Counter)			—	643	370		
Bulb			—	54958800	679		
Cable harness			—	★47637A	53973E		
Capacitor pack			3CP	(54418526,	2DS506		
				54418528	★49072B		
				& 3 off	RER24		
				54420128)	★57111B		
Coil			17M12	★45221A	RER25		
				(45223)	★57161A		
Contact breaker			7CA	★47640E	6RA		
				(54419327,			
				54419867)			
Diode, Zener			ZD715	★49345A			
Horn push and dipper switch			25SA	31563D			
LAMPS							
Head, Home and Export			MCH69	59892B			
Head, Export Europe			MCH69	59894B			

* When ordering, quote part number shown in brackets

★ Service complete unit only

|| Part of headlamp



ALTERNATORS

Model	RM20	RM21
Serviced by:—		
Stator	47209A	47205A
Rotor	54213902	54213901

AMMETERS

Part No. .. Model ..	36403A 2AR	36421A 2AR
Nut, terminal	166043	166043
Washer, terminal	185040	185040

CAPACITOR PACKS

Part No. .. Model ..	47637A 2CP	47638A 2CP
Capacitor	54420128	54420128
Cover	54418528	54418528
Base plate	54418526	54418526

COIL, IGNITION

Part No.	45221A
Model	17M12

CONTACT BREAKER UNITS

Part No. .. Model ..	47630F 6CA	47635F 6CA
Contact breaker	54419097	54419645
Contact set	54419827	54419827
Pin, adjustment	54419220	54419220
Auto advance unit	54419344	54419653
Springs, auto advance	54415642	54417992

Part No. .. Model ..	47640E 7CA
Contact breaker	54419327
Contact set	54419828
Pin, adjustment	54419220
Auto advance unit	54419867
Springs, auto advance	54415642

DIODE, ZENER

Part No.	49345A
Model	ZD715

RECTIFIER

Part No.	49072B
Model	2DS506

RELAY, HORN

Part No.	33188D
Model	6RA



Stator (typical)



Rotor (typical)



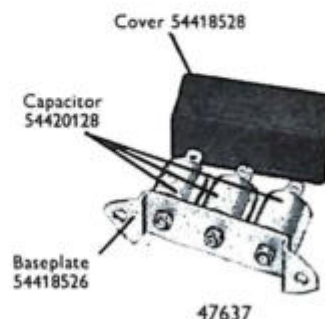
54441582



36403
36421



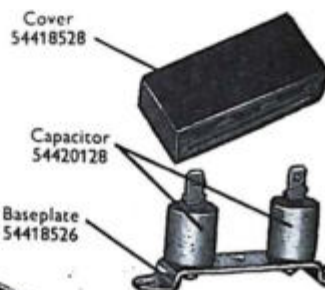
MODEL 17M12



Capacitor
54420128

Baseplate
54418526

47637



Cover
54418528

Capacitor
54420128

Baseplate
54418526

47638



Contact set
54419827

Pin
54419220

54419097
54419645



Springs
54415642
54417992

54419344
54419653

MODEL 6CA



Auto advance
unit
54419867

Contact breaker
54419327

Contact set
54419828

Pin
54419220

MODEL 7CA



49072



49345



MODEL 6RA



REFLEX REFLECTORS

Part No.	57111A	57161A	57162B
Model	RER24	RER25	RER25

SWITCHES

Engine Cut-out

Part No.	35835A
Model	151SA

Horn Push and Dipper

Part No.	31563D
Model	25SA
Screw, terminal	120610

Ignition

Part No.	31899B
Model	S45
Nut, fixing	54130041

Lighting

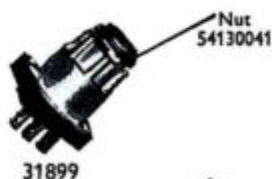
Part No.	31788D	35710A
Model	57SA	57SA

Stop Lamp

Part No.	3448B	34815B
Model	6SA	118SA
Sleeve, terminal	188818	—
Cover, rubber, terminal	360363	—

CABLE SUNDRIES

Adaptor, insulated return, push in	863511
Adaptor, M.E.S., push in	554734
Adaptor, M.E.S., non-claw type	54944812
Adaptor, peanut type, push in	54945043
Connector, nipple, cable end	900269
Connector tube, 2-way	900288
Connector tube, 4-way	850641
Connector tube, 6-way (black rubber)	850844
Connector tube, 10-way	850832
Eyelet, $\frac{1}{8}$ " o.d. x $\frac{1}{2}$ " l.d.	850406
Eyelet, $\frac{1}{8}$ " o.d. x $\frac{3}{4}$ " l.d.	850405
Eyelet, $\frac{1}{8}$ " (flag)	187704
Eyelet, $\frac{1}{8}$ "	900450
Eyelet, $\frac{1}{8}$ " ring type	187700
Eyelet, $\frac{1}{8}$ " ring type	187009
Fuseholder	54190387
Lucar connector, 17.5 amp.	54942078
Lucar connector, 35 amp.	54942079
Lucar connector, 17.5 amp., double	54942747
Lucar sleeve, 17.5 amp.	54190042
Lucar sleeve, 35 amp.	54190043
Lucar sleeve, 17.5 amp., double	54190119





HEADLAMPS

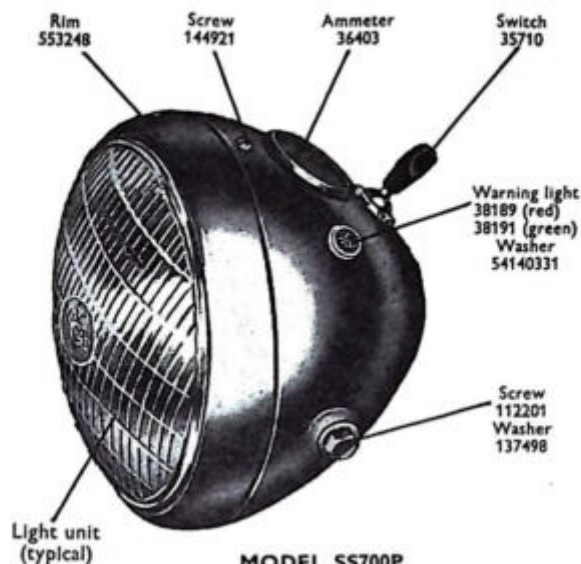
MODEL SS700P

Part No. Model	59982B SS700P	59983B SS700P	59984B SS700P
Rim or door	553248	553248	553248
Wire, fixing	504665	504665	504665
Screw, rim fixing	144921	144921	144921
Plate, rim fixing	534296	534296	534296
Ammeter	36403	36403	36403
Warning light body assy., red ..	38189	38189	38189
Warning light body assy., green ..	38191	38191	38191
Washer, warning light sealing ..	54140331	54140331	54140331
Switch, lighting	35710	35710	35710
Light unit	516798	54522680	54522680
Spring, bulb retaining	—	556442	556442
Bulbholder, main	554602	—	—
Sleeve, terminal	555910	—	—
Adaptor	—	553738	553738
Connector, double	850641	850641	850641
Connector, single	—	900288	900288
Bulbholder, pilot	54573590	54573590	54573590
Interior, pilot	553780	553780	553780
Ring, rubber, seating	554354	554354	554354
Screw, lamp fixing	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498
Bulb, main	446	410	411
Bulb, pilot	989	989	989

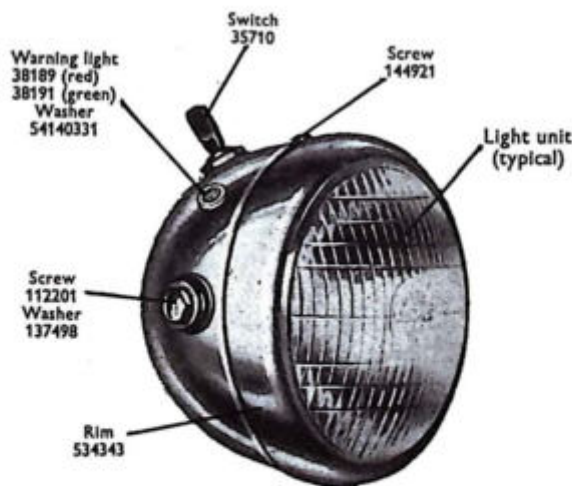
MODEL MCH66

Part No. Model	60037A MCH66	60038A MCH66	60039A MCH66
Rim or door	534343	534343	534343
Wire, reflector fixing	504665	504665	504665
Screw, rim fixing	144921	144921	144921
Plate, rim fixing	534296	534296	534296
Warning light body assy., red ..	38189	38189	38189
Warning light body assy., green ..	38191	38191	38191
Washer, warning light sealing ..	54140331	54140331	54140331
Switch, lighting	35710	35710	35710
Light unit	54524526	54523513	54523513
Spring, bulb retaining	—	54522993	54522993
Bulbholder, main	554602	553738	553738
Sleeve, terminal	555910	—	—
Bulbholder, pilot	54573590	54573590	54573590
Ring, pilot bulbholder	554354	554354	554354
Connector, double	850641	850641	850641
Screw, lamp fixing	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498
Bulb, main (U.S.A.)	464	—	—
Bulb, main	446	410	411
Bulb, pilot	989	989	989

Part No. Model	60113A MCH66	60114A MCH66	60115A MCH66
Rim or door	534343	534343	534343
Wire, reflector fixing	504665	504665	504665
Screw, rim fixing	144921	144921	144921
Plate, rim fixing	534296	534296	534296
Warning light body assy., red ..	38189	38189	38189
Warning light body assy., green ..	38191	38191	38191
Washer, warning light sealing ..	54140331	54140331	54140331
Switch, lighting	35710	35710	35710
Light unit	54524526	54523513	54523513
Spring, bulb retaining	—	54522993	54522993
Bulbholder, main	554602	553738	553738
Sleeve, terminal	555910	—	—
Bulbholder, pilot	54573590	54573590	54573590
Ring, pilot bulbholder	554354	554354	554354
Connector, double	850641	850641	850641
Screw, lamp fixing	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498
Bulb, main (U.S.A.)	464	—	—
Bulb, main	446	410	411
Bulb, pilot	989	989	989



MODEL SS700P

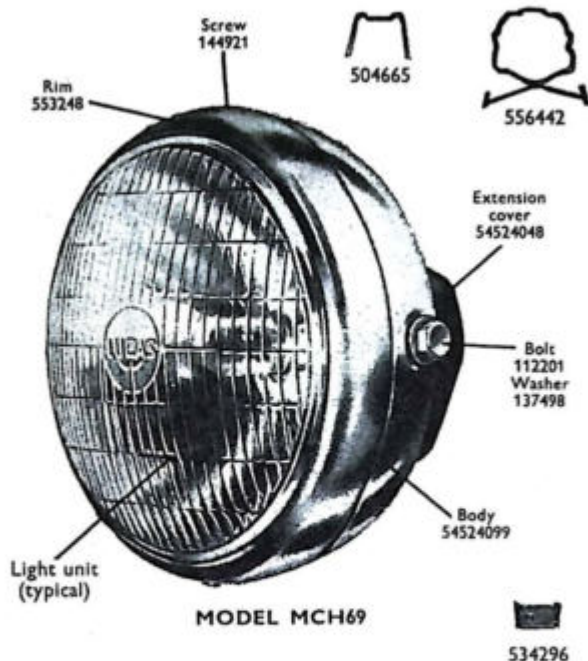


MODEL MCH66



HEADLAMPS

MODEL MCH69



Part No.	59892B	59893B
Model	MCH69	MCH69
Rim or door	553248	553248
Wire, light unit fixing	504665	504665
Screw, rim fixing	144921	144921
Plate, rim fixing screw securing	534296	534296
Light unit	516798	54522680
Spring, bulb retaining	—	556442
Bulbholder, main	554602	—
Sleeve, terminal	555910	—
Adaptor	—	553738
Bulbholder, pilot	54573590	54573590
Interior, pilot bulbholder	553780	553780
Bolts, lamp fixing	112201	112201
Washers, lamp bolt fixing	137498	137498
Extension cover	54524048	54524048
Body	54524099	54524099
Bulb, main	446	411
Bulb, pilot	989	989

Part No.	59894B
Model	MCH69
Rim or door	553248
Wire, light unit fixing	504665
Screw, rim fixing	144921
Plate, rim fixing screw securing	534296
Light unit	54522680
Spring, bulb retaining	556442
Adaptor	553738
Bulbholder, pilot	54573590
Interior, pilot bulbholder	553780
Bolts, lamp fixing	112201
Washers, lamp bolt fixing	137498
Extension cover	54524048
Body	54524099
Bulb, main	410
Bulb, pilot	989

STOP TAIL, REFLEX AND NUMBER PLATE ILLUMINATION LAMP

Part No.	53973E
Model	679
Lens	54577109
Screw, lens fixing	144921
Bulbholder, assembly	54578213
Interior, bulbholder	573828
Base assembly	54578212
Gasket, lamp seating	54571677
Screw, lamp fixing	110714
Washer, screw fixing	188330
Bulb	384

BULBS

Part No.	Volts	Watts	Description
380	12	21/6	Transverse, offset pin
410	12	45/40	Duplo filament, clear
411	12	45/40	Duplo filament, yellow
446	12	50/40	Transverse, vertical dip
464	12	42/27	B.P.F. transverse, vertical dip
643	12	2-2	Coil
989	12	6	Coil, miniature bayonet cap

