LUCAS
GIRLING

CONFIRMED SPECIFICATIONS & SERVICE PARTS

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.
Alternator	RM21	—
Serviced by		
Rotor	—	★54213901
Stator	—	★47205A
Ammeter	2AR	‖★36403A
Battery	PUZ5A	54027029
Bulbholder	—	554710
Bulb	—	643
Cable harness	—	54957239
Condenser	—	★54441582
Coil	17M12	*★45221A (45223)
Contact breaker	6CA	*47635F (54419645 & 54419653)
Diode, Zener	ZD715	★49345A
LAMPS		
Head, Home and Export	SS700P	*59982B (59883)
Head, Export Europe	SS700P	*59983B (59885)
LAMPS *(continued)*		
Head, Export France	SS700P	*59984B (59885 and bulb 411)
Light unit (Germany and Italy)	—	*516801 (555275)
Bulb	—	370
Stop tail and number plate	679	53973E
Rectifier	2DS506	★49072B
Reflex reflector, red	RER24	★57111B
" " **amber**	RER25	★57162B
SWITCHES		
Ignition	S45	31899B
Lighting	57SA	‖★35710A
Stop lamp	118SA	★34815B
Warning light (main beam)	WL15	‖★38189A
REAR SUSPENSION UNIT *(complete)*	—	§2038 (SB4) °2110 (SB4)
(Serviced by Girling)		
Ferrule tube and bush assembly	—	T64533645
" " " " "	—	B64533654
Spring	—	§9054/280 °64543708
"	—	
Shock absorber	—	4644

B.S.A. 440cc 'Victor Special'

Unit	Model	Part No.
Alternator	RM21	—
Serviced by		
Rotor	—	★54213901
Stator	—	★47205A
Battery	PUZ5A	54027029
Bulbholder	—	554710
Bulb	—	643
Cable harness	—	54957308
Condenser	—	★54441582
Coil	17M12	*★45221A (45223)
Contact breaker	6CA	*47635F (54419645 & 54419653)
Diode, Zener	ZD715	★49345A
LAMPS		
Head, Home and Export	MCH66	*60113A (59965)
Bulb, Home	—	446
" U.S.A.	—	464
" pilot	—	989
LAMPS *(continued)*		
Head, Export Europe	MCH66	*60114A (59966 and bulbs 410, 989)
Head, Export France	MCH66	*60115A (59966 and bulbs 411,989)
Stop tail and number plate	679	53973E
Rectifier	2DS506	★49072B
Reflex reflector, red	RER24	★57111B
" " **amber**	RER25	★57162B
SWITCHES		
Ignition	S45	31899B
Lighting	57SA	‖★35710A
Stop lamp	118SA	★34815B
Warning light (main beam)	WL15	‖★38191A
REAR SUSPENSION UNIT *(complete)*	—	2110(SB4)
(Serviced by Girling)		
Ferrule tube and bush assembly	—	T64533645
" " " " "	—	B64533654
Spring	—	64543708
Shock absorber	—	4644

B.S.A. 650cc A65 'Firebird Scrambler'

Unit	Model	Part No.
Alternator	RM21	—
Serviced by		
Rotor	—	★54213901
Stator	—	★47205A
Battery	PUZ5A	54027029
Bulbholder	—	554710
Bulb	—	643
Cable harness	—	54955720
Capacitor pack	2CP	*47638A (54418526, 54418528 and 2 off 54420128)
Coil	17M12	*★45221A (45223)
Contact breaker	6CA	*47630F (54419344 & 54419097)
Diode, Zener	ZD715	★49345A
LAMPS		
Head, Home and Export	MCH66	*60037A (59965)
Bulb, Home	—	446
" U.S.A.	—	464
" pilot	—	989
LAMPS *(continued)*		
Head, Export Europe	MCH66	*60038A (59966 and bulbs 410, 989)
Head, Export France	MCH66	*60039A (59966 and bulbs 411, 989)
Stop tail and number plate	679	53973E
Rectifier	2DS506	★49072B
Reflex reflector, red	RER24	★57111B
" " **amber**	RER25	★57162B
SWITCHES		
Ignition	S45	31899B
Lighting	57SA	‖★35710A
Stop lamp	6SA	★34448B
Warning light (main beam)	WL15	‖★38191A
REAR SUSPENSION UNIT *(complete)*	—	2109 (SB4)
(Serviced by Girling)		
Ferrule tube and bush assembly	—	64533645
Spring	—	64544235
Shock absorber	—	4456

* When ordering, quote part number shown in brackets ★ Service complete unit only

§ B25 Fleetstar only ‖ Part of headlamp

EQUIPMENT SPECIFICATIONS

B.S.A. 500cc A50 'Royal Star' 650cc A65 'Thunderbolt' 650cc A65 'Lightning'

Unit	Model	Part No.
Alternator	RM21	—
Serviced by		
Rotor	—	★54213901
Stator	—	★47205A
Ammeter	2AR	‖★36403A
Battery	PUZ5A	54027029
Bulbholder	—	554710
Bulb	—	643
Cable harness	—	54955258
Capacitor pack	2CP	*47638A (54418526, 54428528 & 2 off 54420128)
Coil	17M12	*★45221A (45223)
Contact breaker	6CA	*47630F (54419097 & 54419344)
Diode, Zener	ZD715	★49345A
LAMPS		
Head, Home and Export	SS700P	*59982B (59883)
Head, Export Europe	SS700P	*59983B (59885)
Head, Export France	SS700P	*59984B (59885 and bulb 411)
Light unit (Germany and Italy)	—	*516801 (555275)
Bulb		370
Stop tail and number plate	679	53973E
Rectifier	2DS506	★49072B
Reflex reflector, red	RER24	★57111B
" " **amber**	RER25	★57162B
SWITCHES		
Ignition	S45	31899B
Lighting	57SA	‖★35710A
Stop lamp	6SA	★34448B
Warning light, red	WL15	‖★38189A
" " **green**	WL15	‖★38191A
REAR SUSPENSION UNIT *(complete)*	—	2108 (SB4)
(Serviced by Girling)		
Ferrule tube and bush assembly	—	64533645
Spring	—	64543735
Shock absorber	—	4971

B.S.A. 750cc A75 3 cyl. 'Rocket 3'

Unit	Model	Part No.
Alternator	RM20	
Serviced by		
Stator	—	★47209A
Rotor	—	★54213902
Ammeter	2AR	36421A
Battery	PUZ5A	54027029
Bulbholder (Speedo and Rev. Counter)	—	554710
Bulb	—	643
Cable harness	—	54958800
Capacitor pack	3CP	*47637A (54418526, 54418528 & 3 off 54420128)
Coil	17M12	*★45221A (45223)
Contact breaker	7CA	*47640E (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
Head, Export France	MCH69	*59893B (59894 and bulb 411)
Light unit (Germany and Italy)	—	*516801 (555275)
Bulb	—	370
Stop tail, number plate and reflex	679	53973E
Rectifier	2DS506	★49072B
Reflex reflector, red	RER24	★57111B
" " **amber**	RER25	★57161A
Relay, horn	6RA	★33188D
SWITCHES		
Cut-out	151SA	★35835A
Ignition	S45	31899B
Lighting	57SA	★31788D
Stop lamp	118SA	★34815B
Warning light (Red/oil)	WL15	★38189A
" " (Green/main beam)	WL15	★38191A
REAR SUSPENSION UNIT *(complete)*	—	2105 (SB4)
(Serviced by Girling)		
Ferrule tube and bush assembly	—	64533645
Spring	—	64544235
Shock absorber	—	2211

* 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

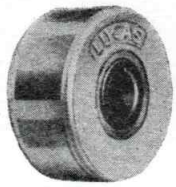
RECTIFIER

Part No.	49072B
Model	2DS506

RELAY, HORN

Part No.	33188D
Model	6RA

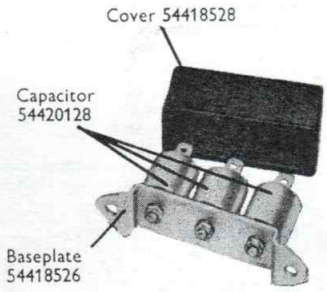

Stator (typical)


Rotor (typical)


54441582


36403
36421

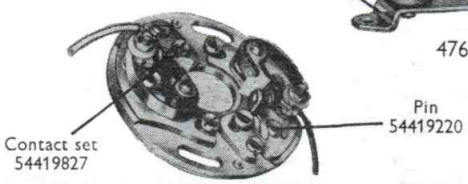

MODEL 17M12



47637



47638



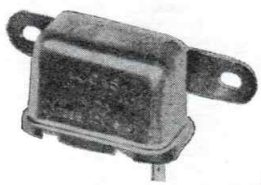
54419097
54419645

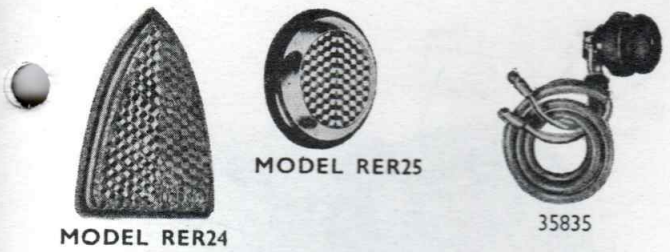


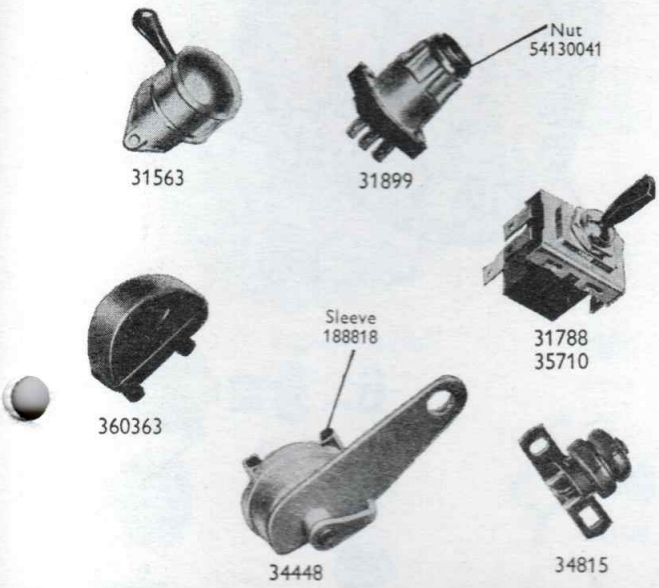
54419344
54419653
MODEL 6CA
MODEL 7CA

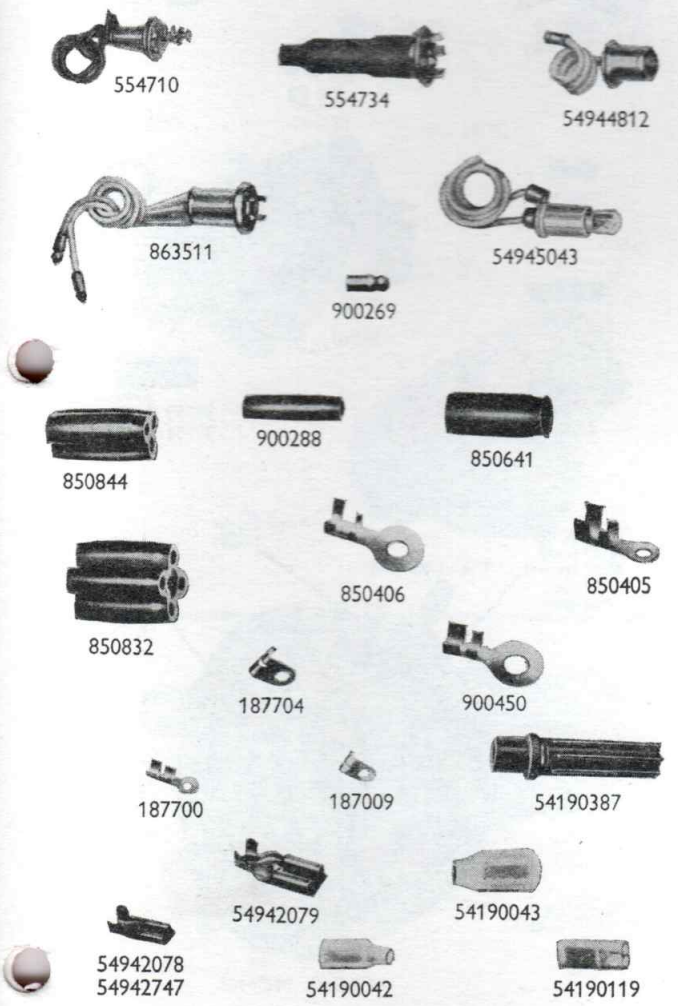

49072


49345


MODEL 6RA







REFLEX REFLECTORS

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

SWITCHES

Engine Cut-out

Part No. / Model	35835A 151SA

Horn Push and Dipper

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

Ignition

Part No. / Model	31899B S45
Nut, fixing	54130041

Lighting

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

Stop Lamp

Part No. / Model	34448B 6SA	34815B 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, $\frac{5}{8}$" o.d. x $\frac{1}{4}$" i.d.	850406
Eyelet, $\frac{3}{8}$" o.d. x $\frac{3}{16}$" i.d.	850405
Eyelet, $\frac{3}{16}$" (flag)	187704
Eyelet, $\frac{5}{16}$"	900450
Eyelet, $\frac{1}{8}$" ring type	187700
Eyelet, $\frac{3}{16}$" 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

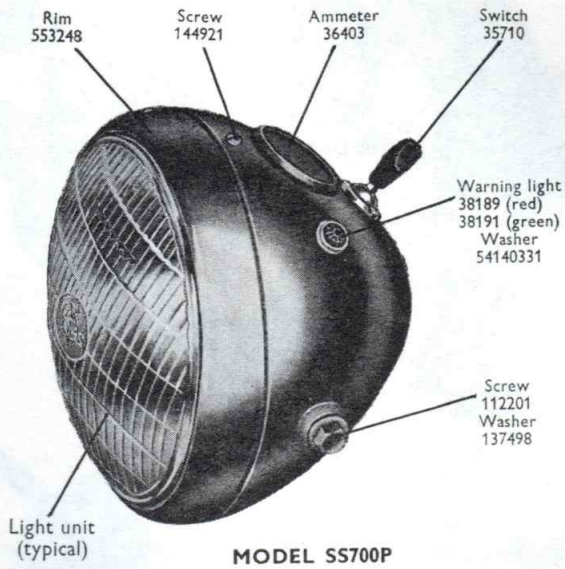
MODEL SS700P

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



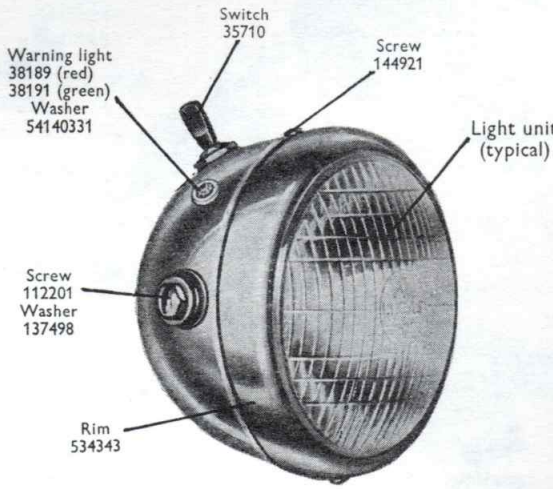
MODEL SS700P



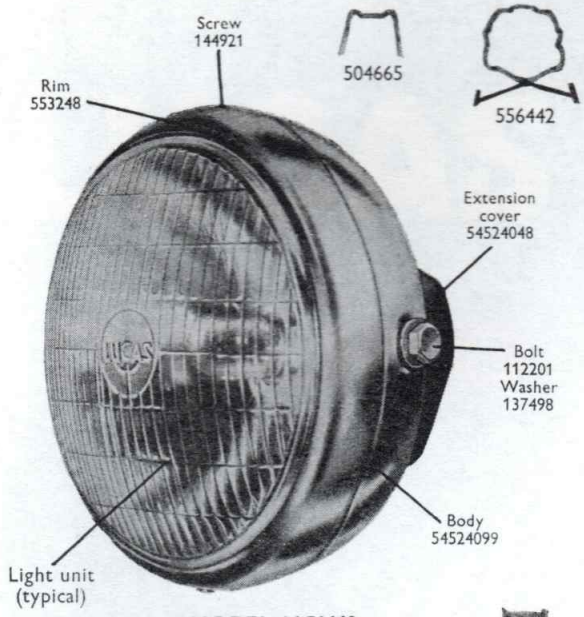








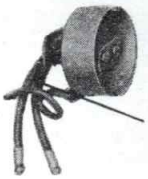
MODEL MCH66



MODEL MCH69



534296



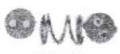
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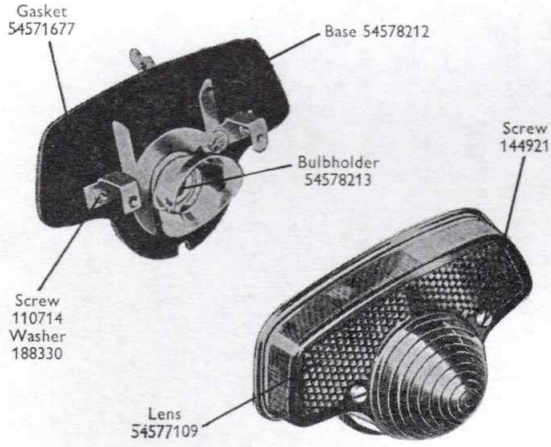
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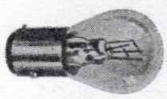
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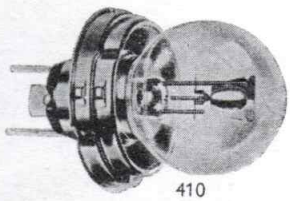
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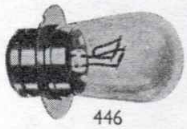
MODEL 679



380



410
411



446
464



643
989

HEADLAMPS

MODEL MCH69

Part No. / Model	59892B MCH69	59893B 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. / Model	59894B 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. / Model	53973E 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

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