

LUCAS
GIRLING

**EQUIPMENT AND
SERVICE PARTS**

CE824/69

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B.S.A.
Motor Cycles

1969



*This publication incorporates
NVS 2463 and 2465 which
should be destroyed.*

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Equipment Specifications

B.S.A. 250cc C25 'Barracuda'				250cc B25 'Starfire' U.S.A.				441cc B44 'Shooting Star'			
Unit				Model				Part No.			
Alternator				RM21				—			
Serviced by				—				★54213901			
Rotor				—				★47205A			
Stator				—				★36403A			
Ammeter				2AR				54027029			
Battery				PUZ5A				554710			
Bulbholder				—				643			
Bulb				—				54955720			
Cable harness				—				★54441582			
Condenser				—				45110D			
Coil				MA12				★47635F			
Contact breaker				6CA				(54419645 & 54419653)			
Diode, Zener...				ZD715				★49345A			
LAMPS				—				—			
Head, Home and Export				SS700P				★59872A (59883)			
Head, Export Europe				SS700P				★59874A (59885)			
LAMPS (continued)				—				—			
Head, Export France				SS700P				★59873A (59885 and bulb 411)			
Stop tail and number plate				679				53973E			
Rectifier				2DS506				★49072B			
Reflex reflector, red				RER24				★57111B			
" " amber				RER25				★57162A			
SWITCHES				—				—			
Ignition				S45				31899B			
Lighting				57SA				★35710A			
Stop lamp				118SA				★34515A			
Warning light (main beam)				WL15				★38189A			
REAR SUSPENSION UNIT (complete)				—				—			
(Serviced by Girling)				—				§4927 (SB4)			
Ferrule tube and bush assembly				—				°2110 (SB4)			
" " " " " "				—				T64533645			
Spring				—				B64533654			
" " " " " "				—				§64543361			
Shock absorber				—				°64543708			
Shock absorber				—				4644			

B.S.A. 440cc 'Victor Special'				Model				Part No.			
Alternator				RM21				—			
Serviced by				—				★54213901			
Rotor				—				★47205A			
Stator				—				54027029			
Battery				PUZ5A				554710			
Bulbholder				—				643			
Bulb				—				54955718			
Cable harness				—				★54441582			
Condenser				—				45110D			
Coil				MA12				★47635F			
Contact breaker				6CA				(54419645 & 54419653)			
Diode, Zener				ZD715				★49345A			
Horn push				4A				76204D			
LAMPS				—				—			
Head, Home and Export				MCH66				★60034B (60037)			
Stop tail and number plate				679				53973E			
Rectifier				2DS506				★49072B			
Reflex reflector, red				RER24				★57111B			
" " amber				RER25				★57162A			
SWITCHES				—				—			
Ignition				S45				31899B			
Lighting				57SA				★35710A			
Stop lamp				118SA				★34815A			
Warning light (main beam)				WL15				★38191A			
REAR SUSPENSION UNIT (complete)				—				—			
(Serviced by Girling)				—				4545 (SB4)			
Ferrule tube and bush assembly				—				T64533645			
" " " " " "				—				B64533654			
Spring				—				64541530			
Shock absorber				—				4644			

B.S.A. 650cc A65 'Firebird Scrambler'												
Alternator						RM21	—		LAMPS			
Serviced by						—	★54213901		Head, Home and Export MCH66			
Rotor						—	★47205A		(60037)			
Stator						—	54027029		679			
Battery						PUZ5A	554710		53973E			
Bulbholder						—	643		2DS506			
Bulb						—	54955720		★49072B			
Cable harness						—	★47638A		RER24			
Capacity pack						2CP	(54418526,		★57111B			
							54418528		RER25			
							and 2 off		★57162A			
							54420128)					
							45110D					
Coil						MA12	★47630E		S45			
Contact breaker						6CA	(54419344		31899B			
							&		57SA			
							54419097)		★35710A			
							★49345A		6SA			
Diode, Zener... ..						ZD715	76204D		★34448B			
Horn push						4A			WL15			
									★38191A			
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)									—		64533645	
Ferrule tube and bush assembly									—		64544235	
Spring									—		4644	
Shock absorber									—			



Equipment Specifications

B.S.A. 500cc A50 'Royal Star'																	
650cc A65 'Thunderbolt'																	
650cc A65 'Lighting'																	
650cc A65 'Spitfire Mk IV'																	
Unit						Model	Part No.		Unit						Model	Part No.	
Alternator						RM21	—		LAMPS (continued)								
Serviced by						—	★54213901		Head, Export Europe						SS700P	*59983B	
Rotor						—	★47205A		Head, Export France						SS700P	*59984B	
Stator						2AR	★36403A									(59885 and	
Ammeter						PUZ5A	54027029									bulb 411)	
Battery						—	554710		Stop tail and number plate						679	53973E	
Bulbholder						—	643		Rectifier						2DS506	★49072B	
Bulb						—	54955258		Reflex reflector, red						RER24	★57111B	
Cable harness						2CP	*47638A		" " amber						RER25	★57162A	
Capacitor pack							(54418526,		SWITCHES								
							54428528		Ignition						S45	31899B	
							& 2 off		Lighting						57SA	★35710A	
							54420128)		Stop lamp						6SA	★34448B	
Coil						MA12	45110D		Warning light, red						WL15	★38189A	
Contact breaker						6CA	*47630E		" " green						WL15	★38191A	
							(54419097		REAR SUSPENSION UNIT (complete)						—	4475 (SB4)	
							&		(Serviced by Girling)						—		
							54419344)		Ferrule tube and bush assembly						—	64533645	
Diode, Zener... ..						ZD715	★49345A		Spring						—	64543735	
LAMPS									Shock absorber						—	4971	
Head, Home and Export						SS700P	*59982B										
							(59883)										

B.S.A. 750cc A75 3 cyl. 'Rocket 3'									
Alternator					RM20				
Serviced by					—				
Stator					★47209A				
Rotor					★54213902				
Ammeter					36421A				
Battery					54027029				
Bulbholder (Speedo and Rev. Counter) ...					PUZ5A				
Bulb					—				
Cable harness					—				
Capacitor pack					3CP				
Contact breaker					7CA				
Diode, Zener... ..					ZD715				
Horn push and dipper switch					25SA				
LAMPS					★49345A				
Head, Home and Export					31563D				
Head, Export Europe					MCH69				
					59892A				
					MCH69				
					59894A				
LAMPS (continued)									
Head, Export France					MCH69				
Stop tail, number plate and reflex ...					679				
Rectifier					2DS506				
Reflex reflector, red					RER24				
" " amber					RER25				
Relay, horn					6RA				
SWITCHES									
Cut-out					151SA				
Ignition					S45				
Lighting					57SA				
Stop lamp					118SA				
Warning light (Red/oil)					WL15				
" " (Green/main beam)					WL15				
REAR SUSPENSION UNIT (complete)									
(Serviced by Girling)					—				
Ferrule tube and bush assembly					—				
Spring					—				
Shock absorber					—				
					2105 (SB4)				
					64533645				
					64544235				
					4456				



ALTERNATOR

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

AMMETERS

Part No.	36403A	36421A
Model ...	2AR	2AR

CAPACITOR PACKS

Part No.	47637A	47638A
Model ...	2CP	2CP
Capacitor ...	54420128	54420128
Cover ...	54418528	54418528
Nut ...	165033	165033
Washer, spring	185006	185006
Base plate ...	54418526	54418526

COIL, IGNITION

Part No.	45110D
Model ...	MA12
Grommet, rubber ...	421554
Clip, cable contact ...	421863
Nut, terminal ...	166043
Connector, double, male, Lucar ...	54190108
Washer, shakeproof terminal ...	188330
Washer, plain terminal ...	131023

CONTACT BREAKER UNITS

Part No.	47630E	47635F
Model ...	6CA	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.	47640E
Model ...	7CA
Contact breaker ...	54419327
Contact set ...	54419828
Pin, adjustment ...	54419220
Auto advance unit ...	54419867
Springs, auto advance ...	54415642

RECTIFIER

Part No.	49072B
Model ...	2DS506

DIODE, ZENER

Part No.	49345A
Model ...	ZD715



Stator (typical)



Rotor (typical)



36403
36421



54441582

Cover
54418528



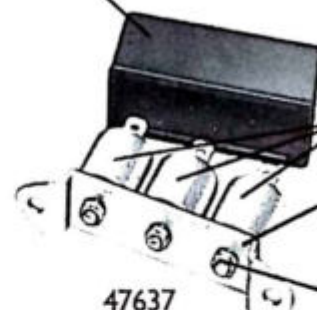
Capacitor
54420128

Nut
165033
Washer
185006

Baseplate
54418526

Cover
54418528

47638



Capacitor
54420128

Baseplate
54418526

47637

Nut 165033
Washer 185006

Grommet
421554

Clip
421863

Contact set
54419827

Connector
54190108



54419097
54419645

Pin
54419220

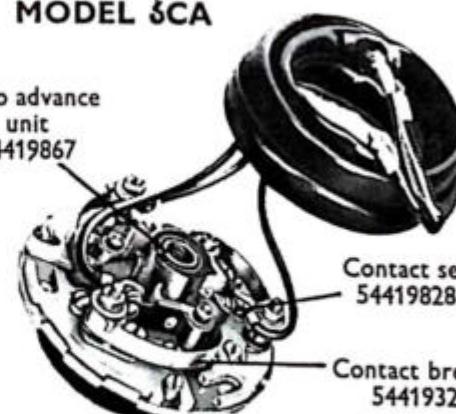


Springs
54417992

54419344
54419653

MODEL 5CA

Auto advance
unit
54419867



Contact set
54419828

Contact breaker
54419327

MODEL 7CA



49345



49072



35835



31563

Button and cover
380660



76204

Nut
169147



31899

Nut
54130041
Washer
164018



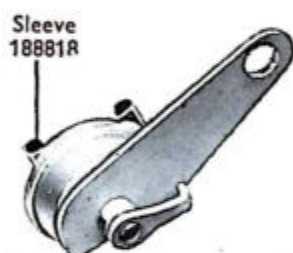
360363



31788
35710



34815



34448

Sleeve
188818



MODEL 6RA

CUT-OUT SWITCH

Part No.	...	...	...	...	...	...	...	35835A
Model	...	...	...	...	...	...	...	151SA

HORN PUSH AND DIPPER SWITCH

Part No.	...	...	...	...	...	...	...	31563D
Model	...	...	...	...	...	...	...	25SA
Button and cover	...	...	...	...	...	...	...	380660

HORN PUSH

Part No.	...	...	...	...	...	...	...	76204D
Model	...	...	...	...	...	...	...	4A
Nut, fixing	...	...	...	...	...	...	...	169147

IGNITION SWITCH

Part No.	...	...	...	...	...	...	...	31899B
Model	...	...	...	...	...	...	...	S45
Nut, fixing	...	...	...	...	...	...	...	54130041
Washer, nut fixing	...	...	...	...	...	...	...	164018

LIGHTING SWITCHES

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

STOP LAMP SWITCHES

Part No.	...	...	...	...	...	...	...	34448B
Model	...	...	...	...	...	...	...	6SA
								34815A
								118SA
Sleeve, terminal	...	...	...	...	...	...	...	188818
Cover, rubber, terminal	...	...	...	...	...	...	...	360363

RELAY, HORN

Part No.	...	...	...	...	...	...	...	33188D
Model	...	...	...	...	...	...	...	6RA

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, $\frac{5}{16}$ " o.d. x $\frac{1}{8}$ " i.d.	...	...	...	...	...	...	...	850406
Eyelet, $\frac{3}{8}$ " o.d. x $\frac{5}{16}$ " i.d.	...	...	...	...	...	...	...	850405
Eyelet, $\frac{3}{8}$ " (flag)	...	...	...	...	...	...	...	187704
Eyelet, $\frac{1}{2}$ "	...	...	...	...	...	...	...	900450
Eyelet, $\frac{1}{2}$ " ring type	...	...	...	...	...	...	...	187700
Eyelet, $\frac{3}{8}$ " ring type	...	...	...	...	...	...	...	187009
Fuse holder	...	...	...	...	...	...	...	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

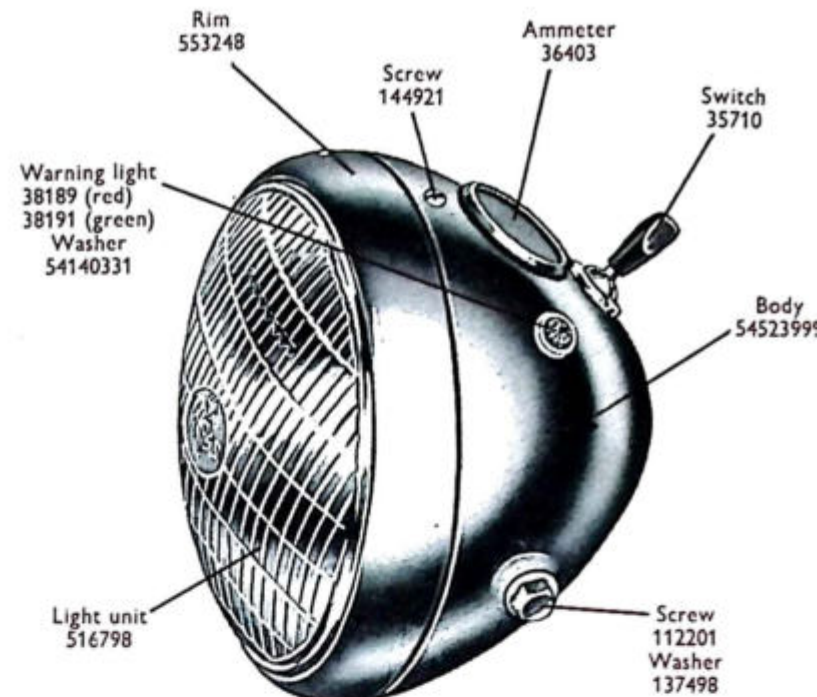


HEADLAMPS

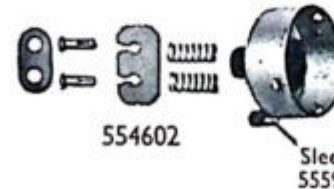
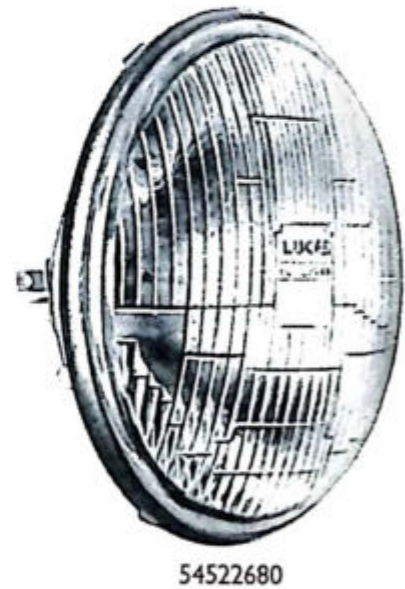
MODEL SS700P

Part No. Model	...	...	...	59872A SS700P	59873A SS700P	59874A 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 assembly	...	...	...	38189	38189	38189
Washer, warning light sealing	...	...	...	54140331	54140331	54140331
Bulbholder, warning light	...	...	...	54945043	54945043	54945043
Switch, lighting	...	...	...	35710	35710	35710
Light unit	...	...	...	516798	54522680	54522680
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
Body	...	...	...	54523999	54523999	54523999
Bulb, main	...	...	...	446	411	410
Bulb, pilot	...	...	...	989	989	989
Bulb, warning light	...	...	...	281	281	281

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
Body	...	...	...	54523999	54523999	54523999
Bulb, main	...	...	...	446	410	411
Bulb, pilot	...	...	...	989	989	989



MODEL SS700P





HEADLAMPS MODEL MCH66

Part No. Model	...	...	...	...	...	...	...	60034B MCH66
Rim or door ...	...	...	...	...	...	...	...	534343
Wire, reflector fixing	...	...	...	...	...	...	...	504665
Screw, rim fixing	...	...	...	...	...	...	...	144921
Plate, rim fixing	...	...	...	...	...	...	...	534296
Warning light, body assembly	...	...	...	...	...	...	...	38191
Sealing washer, warning light	...	...	...	...	...	...	...	54140331
Switch, lighting	...	...	...	...	...	...	...	35710
Light unit	...	...	...	...	...	...	...	54524526
Bulbholder, main	...	...	...	...	...	...	...	554602
Sleeve, terminal	...	...	...	...	...	...	...	555910
Bulbholder, pilot	...	...	...	...	...	...	...	54573590
Interior, pilot bulbholder	...	...	...	...	...	...	...	553780
Ring, pilot bulbholder	...	...	...	...	...	...	...	554354
Connector, double	...	...	...	...	...	...	...	850641
Screw, lamp fixing	...	...	...	...	...	...	...	112201
Washer, lamp screw fixing	...	...	...	...	...	...	...	54524599
Body	...	...	...	...	...	...	...	54524000
Bulb, main	...	...	...	...	...	...	...	446
Bulb, pilot	...	...	...	...	...	...	...	989
Bulb, warning light	...	...	...	...	...	...	...	281

MODEL MCH69

Part No. Model	...	...	...	...	...	...	...	59892A MCH69	59893A 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	...	...	...	...	...	...	...	59894A 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

REFLEX REFLECTORS

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

Part No.	Volts	Watts	Description
281	12	2	Miniature bayonet cap
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
643	12	2.2	Coil
987	12	2.2	Coil
989	12	6	Coil, miniature bayonet cap

