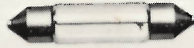
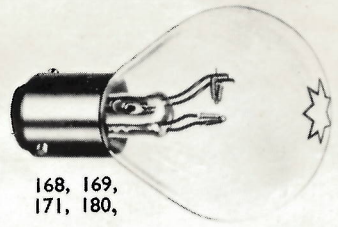


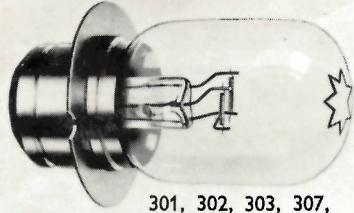
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90, 106, 109.



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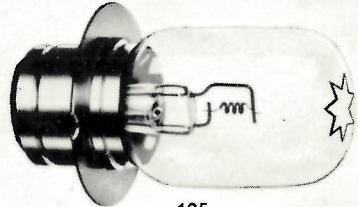
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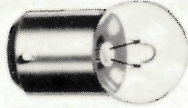
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185.



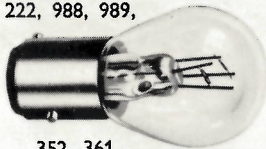
222, 988, 989,



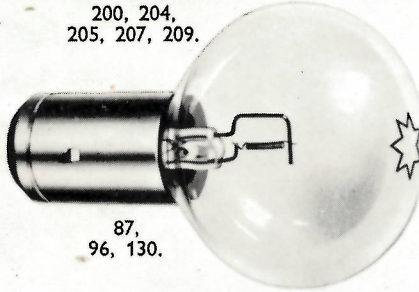
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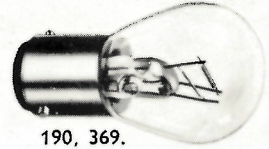
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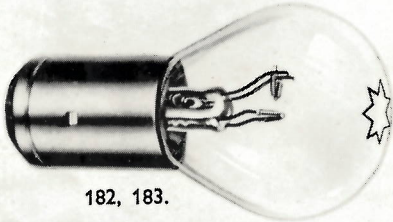
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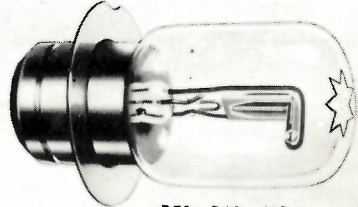
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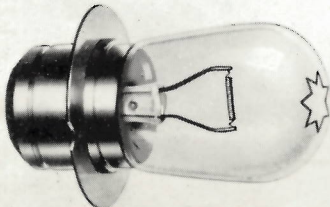
182, 183.



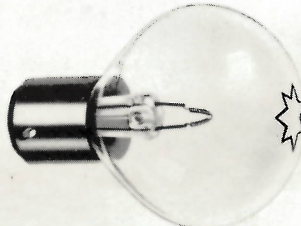
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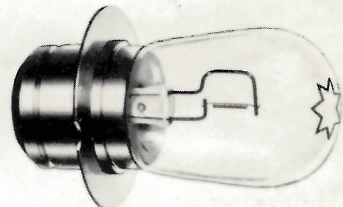
350, 360, 403.



173, 323, 325, 326.



57, 75.



162, 172.



DUPLC



DOUBLE V FILAMENT



LEFT HAND DIP



VERTICAL DIP



RIGHT HAND DIP



V FILAMENT



AXIAL FILAMENT



SIDE LAMP



MINIATURE EDISON
SCREW CAP



FESTOON

HEADLAMPS — BRITISH PRE-FOCUS — SINGLE FILAMENT

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
162	12	36	Single	BPF	Axial	Clear	—
172	6	36	Single	BPF	Axial	Clear	—
160	6	24	Single	BPF	Axial	Clear	172
161	6	30	Single	BPF	Axial	Clear	172
173	6	36	Single	BPF	Transverse	Clear	—
193	6	36	Single	BPF	U	Clear	173
185	12	48	Single	BPF	Axial	Clear	—
323	12	48	Single	BPF	Transverse	Clear	—
192	12	48	Single	BPF	U	Clear	323
316	12	48	Single	BPF	U, Hooded	Clear	323
321	12	48	Single	BPF	Transverse, Hooded	Clear	323
325	12	38	Single	BPF	Transverse	Clear	—
165	12	36	Single	BPF	Transverse	Clear	325
326	12	38	Double	BPF	Transverse	Clear	—
177	12	36	Double	BPF	Axial	Clear	326

HEADLAMPS — BRITISH PRE-FOCUS — DOUBLE FILAMENT

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
166	6	24/24	Double	BPF	Transverse, Vertical Dip	Clear	—
301	12	36/36	Double	BPF	Transverse, L.H. Drive	Clear	—
302	12	48/48	Double	BPF	Transverse, R.H. Drive	Clear	—
303	12	48/48	Double	BPF	Transverse, L.H. Drive	Clear	—
307	6	36/36	Double	BPF	Transverse, L.H. Drive	Clear	—
309	6	30/30	Double	BPF	Transverse, L.H. Drive	Clear	307
311	6	18/18	Double	BPF	Transverse, Vertical Dip	Clear	—
312	6	30/24	Double	BPF	Transverse, Vertical Dip	Clear	—
354	12	42/36	Double	BPF	Transverse, R.H. Drive	Clear	—
300	12	36/36	Double	BPF	Transverse, R.H. Drive	Clear	354
356	6.4	45/35	Double	BPF	Transverse, R.H. Drive	Clear	—
306	6	36/36	Double	BPF	Transverse, R.H. Drive	Clear	356
358	12	44/38	Double	BPF	Transverse, R.H. Drive	Clear	—
370	12	45/40	Double	BPF	Transverse and Hooded Axial	Clear	—
360	12	45/35	Double	BPF	Duplo, Export Europe Bow and Hooded Axial	Clear	—
350	12	35/35	Double	BPF	Duplo, Export Europe Transverse, Vertical Dip	Clear	370
403	6	35/35	Double	BPF	Duplo, Export Europe Bow and Hooded Axial Duplo, Export Europe	Clear	—

HEADLAMPS — SINGLE AND DOUBLE FILAMENT

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
5	12	36	Double	SBC	Axial	Clear	—
4	12	24	Double	SBC	Axial	Clear	5
25	12	48	Double	SBC	Axial	Shadow etched	5
27	12	48	Double	SBC	Axial	Clear	5
33	12	36	Double	SBC	V	Clear	5
58	12	36	Double	SBC	V	Shadow etched	5
114	12	12	Double	SBC	Axial	Clear	5
141	12	24	Double	SBC	V	Clear	5
148	12	12	Double	SBC	V	Clear	5
26	12	60	Double	SBC	Axial	Clear	—
151	12	60	Double	SBC	V	Clear	26

HEADLAMPS — SINGLE AND DOUBLE FILAMENT —continued

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
57	12	36	Single	SCC	V	Clear	—
1	12	24	Single	SCC	Axial	Clear	57
2	12	36	Single	SCC	Axial	Clear	57
21	12	48	Single	SCC	Axial	Shadow etched	57
23	12	48	Single	SCC	Axial	Clear	57
30	12	48	Single	SCC	V	Shadow etched	57
32	12	36	Single	SCC	Axial	Shadow etched	57
37	12	24	Single	SCC	V	Clear	57
54	12	36	Single	SCC	V	Shadow etched	57
75	6	36	Single	SCC	V	Clear	—
73	6	36	Single	SCC	V	Shadow etched	75
108	6	36	Single	SCC	Axial	Clear	75
87	12	60	Single	Bosch	Axial	Clear	—
60	12	60	Single	Bosch	V	Clear	87
152	12	60	Single	Bosch	V	Clear	87
90	12	60	Single	SCC	Axial	Clear	—
20	12	60	Single	SCC	Axial	Shadow etched	90
29	12	60	Single	SCC	V	Shadow etched	90
186	12	60	Single	SCC	V	Clear	90
96	12	48	Single	Bosch	Axial	Clear	—
135	12	36	Single	Bosch	Axial	Clear	96
144	12	36	Single	Bosch	V	Clear	96
147	12	48	Single	Bosch	V	Clear	96
106	6	24	Single	SCC	Axial	Clear	—
10	6	12	Single	SCC	Axial	Clear	106
11	6	18	Single	SCC	Axial	Clear	106
35	6	30	Single	SCC	V	Clear	106
40	6	30	Single	SCC	Axial	Shadow etched	106
72	6	24	Single	SCC	V	Shadow etched	106
74	6	18	Single	SCC	V	Clear	106
77	6	24	Single	SCC	V	Clear	106
107	6	30	Single	SCC	Axial	Clear	106
109	6	24	Double	SBC	Axial	Clear	—
14	6	18	Double	SBC	Axial	Clear	109
42	6	30	Double	SBC	Axial	Shadow etched	109
78	6	36	Double	SBC	V	Clear	109
79	6	24	Double	SBC	V	Clear	109
110	6	30	Double	SBC	Axial	Clear	109
111	6	36	Double	SBC	Axial	Clear	109
130	6	36	Single	Bosch	Axial	Clear	—
168	6	24/24	Double	SBC	V inverted	Clear	—
61	6	36/24	Double	SBC	V12-0	Clear	168
65	6	18/18	Double	SBC	V10-30	Clear	168
66	6	24/24	Double	SBC	V10-30	Clear	168
68	6	12/12	Double	SBC	V12-0	Clear	168
69	6	18/18	Double	SBC	V12-0	Clear	168
70	6	24/24	Double	SBC	V12-0	Clear	168
71	6	30/30	Double	SBC	V10-30	Clear	168
169	6	30/30	Double	SBC	V inverted	Clear	—
170	6	36/36	Double	SBC	V inverted	Clear	169
171	12	36/36	Double	SBC	V inverted	Clear	—
50	12	24/24	Double	SBC	V10-30	Clear	171
51	12	36/36	Double	SBC	V10-30	Clear	171
52	12	36/36	Double	SBC	V12-0	Clear	171
181	12	24/24	Double	SBC	V inverted	Clear	171
180	6	18/18	Double	SBC	V inverted	Clear	—

SPECIAL NOTE

Left Hand Dip ... Right Hand Drive

Right Hand Dip ... Left Hand Drive

ABBREVIATIONS

BPF ... British Pre-focus
 LG ... Lucas Graves
 MCC ... Miniature Centre Contact

MES ... Miniature Edison Screw Cap
 SBC ... Small Bayonet Cap
 SCC ... Single Centre Contact

LUCAS GRAVES REPLACEMENTS — DOUBLE FILAMENT

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced
182	12	36/36	Double	Bosch	V	Clear	—
80	12	24/24	Double	Bosch	LG	Shadow etched	182
81	12	36/24	Double	Bosch	LG	Shadow etched	182
82	13.5	24/18	Double	Bosch	LG	Shadow etched	182
83	13.5	36/24	Double	Bosch	LG	Shadow etched	182
99	12	36/24	Double	Bosch	LG	Clear	182
183	6	24/24	Double	Bosch	V	Clear	—
100	6	12/12	Double	Bosch	LG	Clear	183
101	6	18/18	Double	Bosch	LG	Clear	183
102	6	24/18	Double	Bosch	LG	Clear	183
115	6	30/24	Double	Bosch	LG	Clear	183
116	6	36/24	Double	Bosch	LG	Clear	183

SIDE, STOP TAIL AND REVERSE

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced
190	6	18/3	Double	SBC	Axial	Clear, 25 mm.	—
104	6	18/3	Double	SBC	V	Clear	190
200	6	3	Single	SCC	Coil	Clear	—
204	6	3	Double	SBC	Coil	Clear	—
206	6	6	Double	SBC	Coil	Clear	204
205	6	6	Single	SCC	Coil	Clear	—
207	12	6	Single	SCC	Coil	Clear	—
209	12	6	Double	SBC	Coil	Clear	—
221	12	18	Single	SCC	Transverse	Clear, 25 mm.	—
199	12	24	Single	SCC	Transverse	Clear, 25 mm.	221
222	12	4	Single	MCC	Coil	Clear	—
317	6	18	Single	SCC	Transverse or V	Clear, 25 mm.	—
352	6	18/3	Double	SBC Offset Pin	Transverse	Clear, 25 mm.	—
361	12	18/6	Double	SBC Offset Pin	Transverse	Clear, 25 mm.	—
353	12	24/6	Double	SBC Offset Pin	Transverse	Clear, 25 mm.	361
369	12	18/6	Double	SBC	Transverse	Clear, 25 mm.	—
189	12	24/6	Double	SBC	Axial	Clear, 25 mm.	369
85	12	24/6	Double	SBC	Axial	Clear	369
988	6	3	Single	MCC	Coil	Clear, 15 mm.	—
989	12	6	Single	MCC	Coil	Clear, 15 mm.	—

PANEL ILLUMINATION AND WARNING LIGHT BULBS

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced
987	12	2.2	Single	MES	Coil	Clear, 11 mm.	—
984	12	3.6	Single	MES	Coil	Clear, 11 mm.	987
985	16/18	3	Single	MES	Coil	Clear, 11 mm.	987
986	12	2.2	Single	MES	Coil	Clear, 15 mm.	987
990	6	3	Single	MES	Coil	Clear, 11 mm.	—
981	6	3	Single	MES	Coil	Clear, 15 mm.	990
983	8	1.6	Single	MES	Coil	Clear, 15 mm.	990
998	6	0.6	Single	MES	Coil	Clear, 11 mm.	—
991	6	0.24	Single	MES	Coil	Clear, 12 mm.	998

DASH AND "TRAFFICATOR" BULBS

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced
253	6	6	Double	Festoon, 11 × 38 mm.	—	Clear	—
254	12	6	Double	Festoon, 11 × 38 mm.	—	Clear	—
255	6	3	Double	Festoon, 7.5 × 35.6 mm.	—	Clear	—
256	12	3	Double	Festoon, 7.5 × 35.6 mm.	—	Clear	—

CAR "FLASHLIGHT" WARNING LIGHT BULBS

Bulb No.	Volts	Amps	Contact	Cap	Filament	Bulb Surface	Replaced by
970	2.5	0.2	Single	MES	Coil	Clear, 11 mm.	—
971	2.5	0.2	Single	MES	Coil	Clear, 15 mm.	970
972	2.5	0.3	Single	MES	Coil	Clear, 11 mm.	970
974	3.5	0.15	Single	MES	Coil	Clear, 11 mm.	—
977	3.5	0.3	Single	MES	Coil	Clear, 11 mm.	—
992	6.0	0.04	Single	MES	Coil	Clear, 15 mm.	—

PILOT BULBS

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
200	6	3	Single	SCC	Coil	Clear	—
207	12	6	Single	SCC	Coil	Clear	—
988	6	3	Single	MCC	Coil	Clear, 15 mm.	—
989	12	6	Single	MCC	Coil	Clear, 15 mm.	—

24 VOLT BULBS FOR C.A.V. COMMERCIAL EQUIPMENT

Bulb No.	Volts	Watts	Contact	Cap	Filament	Bulb Surface	Replaced by
123	24	36	Double	SBC	Axial	Clear	—
121	24	12	Double	SBC	Axial	Clear	123
122	24	24	Double	SBC	Axial	Clear	123
125	24	24	Double	SBC	V	Clear	123
140	24	48	Double	SBC	Axial	Clear	123
142	24	36	Double	SBC	V	Clear	123
145	24	48	Double	SBC	V	Clear	123
124	24	60	Single	SCC	Axial	Clear	—
155	24	48	Single	SCC	V	Clear	124
127	24	60	Double	LBC	Axial	Clear	—
128	24	60	Single	SBC	Axial	Clear	—
131	24	60	Double	Bosch	Axial	Clear	—
149	24	6	Single	SCC	Bow	Clear, 19 mm.	—
133	24	6	Single	SCC	Coil	Clear, 22 mm.	149
150	24	6	Double	SBC	Bow	Clear, 19 mm.	—
132	24	6	Double	SBC	Coil	Clear, 22 mm.	150
194	24	36/36	Double	SBC	Transverse	Clear	—
259	24	6	Double	Festoon, 7.5 × 35.6 mm.	—	Clear	—
260	24	6	Double	Festoon, 11 × 44 mm.	—	Clear	—
330	24	44	Double	BPF	Transverse	Clear	—
329	24	38	Double	BPF	Transverse	Clear	330
331	24	44	Double	BPF	Axial	Clear	—
179	24	36	Double	BPF	Axial	Clear	331
187	24	24	Double	BPF	Axial	Clear	331
313	24	48	Double	BPF	Axial	Clear	331
359	24	44/38	Double	BPF	Transverse, R.H. Drive	Clear	—
304	24	36/36	Double	BPF	Transverse, R.H. Drive	Clear	359
362	24	35/35	Double	BPF	Duplo	Clear	—
363	24	38/38	Double	BPF	Transverse, L.H. Drive	Clear	—
993	24	2.8	Single	MES	Bow	Clear, 15 mm.	—

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