### **Automotive Components Distributors**



### www.bowersmidland.co.uk

OWERS BOWERS FERS BOWERS OWERS BOWERS OWERS BOWERS BOWERS

# Airport Products

WERS BOWERS BOWE

### H. Bowers















































### **Airport Products**

### **Issue 2.00**

All products have been developed with our five key objectives firmly in mind and which we consider to be central to the success of our joint trading relationships.

- 1. We are committed to providing our customers with the highest levels of service.
- 2. We are committed to marketing and selling only the highest quality products.
- 3. We are committed to offering value for money.
- 4. We are committed to providing added value, service and support.
- 5. We are committed to consistent and continual improvement of our range and services, which allows us to remain that little bit unique in our market place.

It is our intention wherever possible to continue to add further references to the Five Star Product range and we will communicate these to you via our quarterly bulletins. I do hope that you will find H. Bowers Ltd fulfils your requirements.

Kind Regards

Jeff Savage

Get Online...

Managing Director of H. Bowers Limited

Quality Service Since 1939

### **H. Bowers Ltd Contacts**

Switchboard Tel: 01782 599990

Sales Office Tel: 01782 590700 Fax: 01782 590712

Workshop Tel: 01782 590702 Fax: 01782 598516

Accounts Tel: 01782 599990

Marketing Tel: 01782 590707

E-mail: sales@bowersmidland.co.uk

Search For Our Social Network Pages









### **Catalogue Information**

### **List Of Contents**

### Please Read

easy group reference.

latest product releases.

# This catalogue has been divided into multiple coloured sections containing various groups of similar products. All products are listed in ascending part number order within their given section or sub-section. The list to the right shows a breakdown of each section for

Please check the H. Bowers website for the

Visit us at www.bowersmidland.co.uk.

Keeping you ahead of the game.

All sizes are millimeters (mm) unless stated.

Plug images and other markings/symbols are specific only to the part number they are listed with and do not necessarily relate to similar products. Always read the description.







### Postal Address

H. Bowers Lt	a
--------------	---

Normacot Road

Longton

Stoke-on-Trent

Staffordshire

United Kingdom

ST3 1PU

View an interactive map on our website

### Colour Coded Sections

S	Title	Page
1	Beacons All	<b>1.1</b> 1.1
2	Worklamps All	<b>2.1</b> 2.1
3	Miscellaneous Lighting  All	<b>3.1</b> <i>3.1</i>
4	Warning Lights All	<b>4.1</b> <i>4.1</i>
5	Switches Large Isolator Switches Isolator Switches Miscellaneous Switches	<b>5.1</b> 5.1 5.5 5.7
6	Reversing Aids All	<b>6.1</b> 6.1
7	High Current Connectors  All	<b>7.1</b> 7.1
8	Solenoids All	<b>8.1</b> 8.1
9	Relays & Flashers	<b>9.1</b> 9.1
10	Automotive Heaters  All	<b>10.1</b> <i>10.1</i>
11	Eberspacher Parts  All	<b>11.1</b> <i>11.1</i>
12	Wiper Motors & Arms All	<b>12.1</b> 12.1
13	Brush Sets All	<b>13.1</b> 13.1
w	Workshop Service All	W.i W.i

Beacons	Part No.	Part Description	Additional
	9992010	Rotating Beacon Amber rotating beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB122	Single Pin Mount
	9992012	Rotating Lightbar 2 Module Amber rotating lightbar. 12-24V. Overall Dimensions: 545mm (L) x 188mm (H) x 224mm (D)  Spare Lens: 9988033  Equiv: LBB362 & LBB363	Single Pin Mount
	9992013	24V Static Beacon Amber static beacon. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	Single Pin Mount
	9992015	Rotating Lightbar Double/Single flash 2 Module Amber xenon lightbar. 12-24V. Overall Dimensions: 545mm (L) x 188mm (H) x 224mm (D)  Spare Lens: 9988033  Equiv: LBB364	Single Pin Mount
	9992016	Xenon Beacon Amber xenon beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB192	Magnetic Mount
	9992017	Xenon Beacon Amber xenon beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB191	Spigot Mount
	9992018	Xenon Beacon Amber xenon beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB188	Flexi-Spigot Mount
	9992019	Xenon Beacon Amber xenon beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB190	3 Pin Mount
1.1	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Additional	Part Description	Part No.	Beacons
Single Pin Mount	Xenon Beacon Amber xenon beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB189	9992020	
3 Pin Mount	Static Beacon Amber static beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	9992021	
Spigot Mount	Rotating Beacon Amber rotating beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB270	9992022	
3 Pin Mount	Rotating Beacon Amber rotating beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB255K	9992023	And the state of t
Magnetic Mount	Rotating Beacon Amber rotating beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB260K	9992024	Cannon Control of the
Single Pin Mount	12V Rotating Beacon Amber rotating beacon. 12V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB121	9992025	
Single Pin Mount	Xenon Mini Beacon Amber mini beacon. 12-24V. Overall Dimensions: 80mm (Dia) x 80mm (D)  Colour: Amber	9992026	
Single Pin Mount	Xenon Mini Beacon Red mini beacon. 12-24V. Overall Dimensions: 80mm (Dia) x 80mm (D)  Colour: Red	9992027	
Airport	Website : www.bowersmidland.co.uk	Bowers	1.2

Beacons	Part No.	Part Description	Additional
	9992028	Xenon Mini Beacon Green mini beacon. 12-24V. Overall Dimensions: 80mm (Dia) x 80mm (D)  Colour: Green	Single Pin Mount
	9992029	Xenon Mini Beacon Blue mini beacon. 12-24V. Overall Dimensions: 80mm (Dia) x 80mm (D)  Colour: Blue	Single Pin Mount
	9992030	Xenon Mini Beacon Clear mini beacon. 12-24V. Overall Dimensions: 80mm (Dia) x 80mm (D)  Colour: Clear	Single Pin Mount
SHIECE	9992050	Xenon Compact Beacon Amber compact beacon. 10-100V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	3 Pin Mount
	9992051	Xenon Compact Beacon Amber compact beacon. 10-100V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	Single Pin Mount
THE LAD	9992052	Xenon Compact Beacon Amber compact beacon. 10-100V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	Magnetic Mount
	9992056	Rotating Beacon Amber rotating beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Spare Lenses: Amber 9988030, Blue 9988032, Green 9988034, Red 9988035, Short Amber 9988036.  Equiv: LBB272	Flexi-Spigot Mount
	9992059	12V Static Beacon Amber static beacon. 12V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	Magnetic Mount
1.3	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Additional	Part Description	Part No.	Beacons
3 Pin Mount	Xenon Beacon Amber high performance xenon beacon. Suitable for battery powered vehicles & fork lift trucks. Low profile with a compact design. Very low power consumption. Replaceable tubes and circuits. Designed to withstand knocks & bumps. Weatherproof to IP56. Operates between -30C and +50C for extreme temperature reliability.  Overall Dimensions: 129mm (Dia) x 90mm (D)	9992061	
2 Pin Mount	Xenon Beacon Amber high performance xenon beacon. Suitable for battery powered vehicles & fork lift trucks. Low profile with a compact design. Very low power consumption. Replaceable tubes and circuits. Designed to withstand knocks & bumps. Weatherproof to IP56. Operates between -30C and +50C for extreme temperature reliability.  Overall Dimensions: 129mm (Dia) x 90mm (D)	9992062	
Flexi-Spigot Mount	Xenon Compact Beacon Amber compact beacon. 12-24V. Overall Dimensions: 164mm (Dia) x 164mm (D)  Equiv: N/a	9992065	
2 Screw Mount	Directional Xenon Beacon  2 Watt low profile directional xenon beacon. Polycarbonate lens and base. 2 & 5 Watt versions available. Vibration protected circuit. Sealed for life against dust and moisture ingress. Meets IP67 protection. 75 Flashes per min. Operates between -30°C to +50°C for extreme temperature reliability. 10-100V. Overall Dimensions: 77mm (Dia) x 45mm (D)  Equiv: N/a	9992076	19ESCHAOO AAAA 179
2 Screw Mount	Directional Xenon Beacon 5 Watt low profile directional xenon beacon. Polycarbonate lens and base. 2 & 5 Watt versions available. Vibration protected circuit. Sealed for life against dust and moisture ingress. Meets IP67 protection. 75 Flashes per min. Operates between -30°C to +50°C for extreme temperature reliability. 10-100V. Overall Dimensions: 77mm (Dia) x 45mm (D) Colour: Amber	9992077	195 SCHOOL BERNEYS
2 Screw Mount	Directional Xenon Beacon 5 Watt low profile directional xenon beacon. Polycarbonate lens and base. 2 & 5 Watt versions available. Vibration protected circuit. Sealed for life against dust and moisture ingress. Meets IP67 protection. 75 Flashes per min. Operates between -30°C to +50°C for extreme temperature reliability. 10-100V. Overall Dimensions: 77mm (Dia) x 45mm (D) Colour: Blue	9992083	
2 Screw Mount	Directional Xenon Beacon 5 Watt low profile directional xenon beacon. Polycarbonate lens and base. 2 & 5 Watt versions available. Vibration protected circuit. Sealed for life against dust and moisture ingress. Meets IP67 protection. 75 Flashes per min. Operates between -30°C to +50°C for extreme temperature reliability. 10-100V. Overall Dimensions: 77mm (Dia) x 45mm (D) Colour: Red	9992084	PRESCRIPTION OF THE PROPERTY O
2 Screw Mount	Directional Xenon Beacon 5 Watt low profile directional xenon beacon. Polycarbonate lens and base. 2 & 5 Watt versions available. Vibration protected circuit. Sealed for life against dust and moisture ingress. Meets IP67 protection. 75 Flashes per min. Operates between -30°C to +50°C for extreme temperature reliability. 10-100V. Overall Dimensions: 77mm (Dia) x 45mm (D) Colour: Green	9992085	
Airport	Website : www.bowersmidland.co.uk	Bowers	1.4

Beacons	Part No.	Part Description	Additional
	9992086	Rotating Lightbar Amber rotating lightbar. 12-24V. Supplied with 12V bulbs. Overall Dimensions: 400mm (L) x 130mm (H) x 180mm (D)  Equiv: N/a	Single Pin Mount
	144/52/00	Flashing Beacon Amber flashing beacon. Dual voltage. Low current consumption. Intense signal offering good all round visibility. Stable flash rate, long bulb life expectancy. Compact design with no moving parts. For use with a standard SCC 21W bulb but can be operated at 36w. Overall Dimensions: 190mm (Dia) x 145mm (H) Spare lens: 5768	3 Bolt Mount
	146/52/00	Flashing Beacon Amber flashing beacon. Dual voltage. Supplied with 3m coil cable & cigar lighter plug. Low current consumption. Intense signal offering good all round visibility. Stable flash rate, long bulb life expectancy. Compact design with no moving parts. For use with a standard SCC 21W bulb but can be operated at 36w. Overall Dimensions: 190mm (Dia) x 145mm (H) Spare lens: 5768	Magnetic Mount
	B60.00.LMV	LED Beacon Britax amber LED beacon. Polycarbonate Lens. Flash Rate: 70 groups of 5 flashes per minute. Operating Temperature -30° to +50°. 10-49V. Overall Dimensions: 154mm (Dia) x 122mm (H)  Spare lens: 10503.00	3 Bolt Mount
	B330.00.12	12V Flashing Beacon Britax amber flashing beacon. Flash Rate: 80 flashes per minute. Operating Temperature -30° to +50°. Approved for airport use. Overall Dimensions: 153mm (Dia) x 165mm (H)  Spare lens: 10318.00	Single Pin Mount
	B330.00.24	24V Flashing Beacon Britax amber flashing beacon. Flash Rate: 80 flashes per minute. Operating Temperature -30° to +50°. Approved for airport use. Overall Dimensions: 153mm (Dia) x 165mm (H)  Spare lens: 10318.00	Single Pin Mount
1.5	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# **BEACONS & LIGHTBARS**

We offer the full ranges of the following big name brands



**Vision Alert** 



Lucas



**Delta Design** 



**Britax** 



5 Star



Federal Signal







Please ring our sales team for more information

01782 590700

Airport

Website: www.bowersmidland.co.uk

**Bowers** 

1.6

Worklamps	Part No.	Part Description	Additional
	9992000	12V Floodlamp Plastic body & lens. 55 Watt max. Features a handle. Overall Dimensions: 155mm (L) x 160mm (H) x 85mm (D)  Spares: N/a	0
	9992001	24V Floodlamp Plastic body, glass lens & plastic grill. 70 Watt max. Overall Dimensions: 155mm (L) x 175mm (H) x 80mm (D)  Spares: N/a	0
	9992002	Floodlamp Plastic body, glass lens & plastic grill. 70 Watt max. Features a handle and a rotary switch. 12-24V. Overall Dimensions: 145mm (Dia) x 75mm (D)  Spares: N/a	0
	9992003	Spotlamp Plastic body, glass lens & plastic grill. 70 Watt max. Features a handle and a rotary switch. 12-24V. Overall Dimensions: 145mm (Dia) x 75mm (D)  Spares: N/a	0
	9992004	Floodlamp Plastic body & lens. 70 Watt max. Features a handle and a waterproof rotary switch. Supplied without bulb. Overall Dimensions: 65mm (Dia) x 110mm (D)  Spares: N/a	0
	9992005	Floodlamp Metal body, glass lens & metal grill. 70 Watt max. Features a handle and a rotary switch. 12-24V. Overall Dimensions: 145mm (Dia) x 75mm (D)  Spares: N/a	0
	9992009	12V Inspection Lamp Low voltage inspection lamp. Included : Lead, crocodile clips, cigarette lighter plug. Overall Dimensions : 90mm (Dia)  Spares : N/a	
	9992040	24V Twin Bulb Micro Worklamp 70 Watt max. Features a handle, halogen bulbs, magnetic mounting, On/Off switch and a cigarette lighter plug. Single bulb version available, (See 9992079). Overall Dimensions: 153mm (L) x 185mm (H) x 95mm (D)  Spares: N/a	
2.1	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Additional	Part Description	Part No.	Worklamps
0	12V Fork Lift Truck Worklamp  Vertical mount. 55 Watt max. Impact, heat & vibration resistant.  Overall Dimensions: 144mm (L) x 112mm (H) x 70mm (D)  Spares: N/a	9992041	
0	12V Fork Lift Truck Worklamp Horizontal mount. 55 Watt max. Impact, heat & vibration resistant. Overall Dimensions: 144mm (L) x 112mm (H) x 70mm (D)  Spares: N/a	9992042	
0	24V Worklamp Impact resistant rubber housing with glass lens. 70 Watt max. Ideal for heavy plant and 5th wheel applications. Overall Dimensions: 125mm (Dia) x 75mm (D)  Spares: N/a	9992043	
0	24V Worklamp Impact resistant rubber housing with glass lens. 70 Watt max. Ideal for heavy plant and 5th wheel applications. Overall Dimensions: 155mm (Dia) x 111mm (D)  Spares: N/a	9992044	
	6V Twin Beam Searchlight  Main beam: 5 Watt max. Secondary beam: 5 Watt max. Features a handle. Dual recharge AC/DC charger or 12V DC car plug, (Included).  Overall Dimensions: 130mm (Dia)  Spares: N/a	9992045	
	6V Torch 4 Watt max. Features a handle and an adjustable stand for hands free use. Overall Dimensions: 85mm (Dia)  Spares: N/a	9992049	40
0	6-24V Worklamp Plastic body & glass lens. 70 Watt max. Overall Dimensions: 100mm (L) x 100mm (H) x 90mm (D)  Spares: N/a	9992053	
0	12V Floodlamp Plastic body, glass lens & metal grill. 55 Watt max. Features a handle and a rotary switch. Cable entry through mounting spigot. Overall Dimensions: 150mm (Dia)  Spares: N/a	9992054	
Airport	Website : www.bowersmidland.co.uk	Bowers	2.2

Worklamps	Part No.	Part Description	Additional
	9992055	24V Floodlamp Plastic body, glass lens & metal grill. 55 Watt max. Features a handle and a rotary switch. Cable entry through mounting spigot. Overall Dimensions: 150mm (Dia)  Spares: N/a	0
	9992058	6-24V Worklamp Plastic body & glass lens. Features a rotary switch. Overall Dimensions: 105mm (L) x 175mm (H) x 91mm (D)  Spares: N/a	0
	9992060	Hand Worklamp Plastic body & glass lens. Features a handle, rotary switch and a cigarette lighter plug. Overall Dimensions: 100mm (L) x 100mm (H) x 85mm (D)  Spares: N/a	
	9992064	3.6V LED Inspection Lamp Weatherproof and virtually unbreakable polycarbonate construction. The lamp has 2 settings: 450 LUX, 1000 LUX. Features 26 LED's. 6 Hour battery life. AC mains charger supplied. Integral hook and belt clip. Overall Dimensions: 275mm (L) x 41mm (Dia)  Spares: N/a	LED
	9992066	Worklamp Plastic body & glass lens. Overall Dimensions: 100mm (L) x 170mm (H) x 80mm (D)  Spares: N/a	0
	9992067	3.6V LED Inspection Lamp Weatherproof and virtually unbreakable polycarbonate construction. 650 LUX at 0.5m. Features 15 high intensity class 1 approved LED's. 6 Hour battery life. AC mains charger supplied. On/Off switch. Cordless & compact. Belt clip. Overall Dimensions: 185mm (L) x 55mm (H) x 35mm (D)  Spares: N/a	LED
	9992068	Floodlamp Impact and heat resistant polycarbonate housing. Ideal for both 12V and 24V vehicles. 12V: 55 Watt max, H3. 24V: 70 Watt max, H3. This lamp can rotate through 360° and angled through 90°.  Overall Dimensions: 155mm (L) x 98mm (H) x 93mm (D)  Spares: N/a	0
	9992070	12V Worklamp Plastic body & glass lens. Worklamp with 2 parabols. Trapezoid beam. Features a pivoting mounting bracket and 2x H3 bulbs. Supplied with a short length of 3 core cable. Developed for use in the most demanding lighting conditions of heavy industry. The high quality optics support your vehicles in their productivity and safety. Vibration, moisture, dust & shock resistant.  Overall Dimensions: 140mm (L) x 95mm (H) x 85mm (D)	0
2.3	Bowers	Sales Order Hotline: 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Additional	Part Description	Part No.	Worklamps
	Floodlamp: Wide + Seprate Ballast Glass fibre reinforced plastic housing & hardened glass lens. Extreme shock and vibration resistance. D1S 35 Watt max xenon lamp (5000 Hour). Wide light beam spread. Rated current 12V: 3.6A. Rated current 24V: 1.7A. Overall Dimensions: 159mm (L) x 100mm (H) x 132mm (D) Spares: N/a	9992071	
	Floodlamp: Narrow + Seprate Ballast Glass fibre reinforced plastic housing & hardened glass lens. Extreme shock and vibration resistance. D1S 35 Watt max xenon lamp (5000 Hour). Narrow light beam spread. Rated current 12V: 3.6A. Rated current 24V: 1.7A. Overall Dimensions: 159mm (L) x 100mm (H) x 132mm (D) Spares: N/a	9992072	
	Floodlamp: Wide + Built In Ballast Glass fibre reinforced plastic housing & hardened glass lens. Extreme shock and vibration resistance. D1S 35 Watt max xenon lamp (5000 Hour). Wide light beam spread. Rated current 12V: 3.6A. Rated current 24V: 1.7A. Overall Dimensions: 159mm (L) x 100mm (H) x 132mm (D) Spares: N/a	9992073	
	Floodlamp: Narrow + Built In Ballast Glass fibre reinforced plastic housing & hardened glass lens. Extreme shock and vibration resistance. D1S 35 Watt max xenon lamp (5000 Hour). Narrow light beam spread. Rated current 12V: 3.6A. Rated current 24V: 1.7A. Overall Dimensions: 159mm (L) x 100mm (H) x 132mm (D) Spares: N/a	9992074	
LED	12V LED Inspection Torch Rechargeable & cordless. Weatherproof for outdoor use. Includes charging station & detachable, spring mounted, hands free clamp. Polycarbonate lens. Contains 28 high intensity LED's. Precise beam pattern for detailed work. Light output: 950 LUX, battery 7.2v: 1300mAh NiMH, mains adapter: input 230-50Hz, output 12v-500mA. Operating time: 7 hours. Charging time: 5 hours. Spares: N/a	9992075	
2 Core Cable No Plug	24V LED Worklamp: Flood Type 6 High brightness 3 Watt Led's. Ideal for high light output when minimum voltage is required. Durable aluminium housing with a polycarbonate lens and an ABS adjustable visor. Includes a length of 2 core cable fitted into the rear.  Overall Dimensions: 130mm (L) x 158mm (H) x 86mm (D)  Spares: N/a	9992078	
	Single Bulb Micro Worklamp  70 Watt max. Features a handle, halogen bulbs, magnetic mounting, On/Off switch and a cigarette lighter plug.  Twin bulb version available, (See 9992040).  Overall Dimensions: 153mm (L) x 185mm (H) x 95mm (D)  Spares: N/a	9992079	
2 Core Cable No Plug	12V LED Worklamp: Flood Type 6 High brightness 3 Watt Led's. Ideal for high light output when minimum voltage is required. Durable aluminium housing with a polycarbonate lens and an ABS adjustable visor. Includes a length of 2 core cable fitted into the rear.  Overall Dimensions: 130mm (L) x 158mm (H) x 86mm (D)  Spares: N/a	9992080	
Airport	. Website : www.bowersmidland.co.uk	Bowers	2.4

Worklamps	Part No.	Part Description	Additional
	9992081	LED Worklamp  Metal body & glass lens. Features a rear switch and approx 220mm flex/cable including rubber grommet and 2 pin superseal connector. 12 LED's.  Overall Dimensions: 130mm (Dia) x 50mm (D)	2 Pin Superseal Connector
Т		Spares: N/a	
17	9992088	LED Worklamp The intense constant white light from the 36 LED heads outputs an extremely bright 545 Candelas (max). Available as both surface & bracket mount this compact lamp will fit onto the smallest surfaces, perfect for mounting on many different vehicles from	0
		CV & recovery vehicles to refuse trucks & material handling.  Overall Dimensions: 72mm (L) x 72mm (H) x 38mm (D)  Spares: N/a	LED
	Adjustable LED Worklamp Waterproof sea/salt spray resistant, and has a durable powder coated aluminium housing, stainless steel fittings, & high impact polycarbonate lens. Powered by high brightness 120 x 1 watt LED's. Supplied with 1m sheathed hard wired cable. Illuminance: @1 metre - 4630lx. Current: @ 13.8 Volts 1.00 Amps - @ 28 Volts 0.48 Amps. Overall Dimensions: 208mm (L) x 110mm (H) x 86mm (D)		0
			LED
	1GA006876001	Worklamp Hella worklamp Picador 6876. With optics for wide illumination. Black plastic housing and glass lens. Requires bulb type: 12v 55w or 24v 70w Type H3 PK22s (not included). Overall Dimensions: 154mm (L) x 128mm (H) x 77mm (D)	0
33		Spares: N/a	
2.5	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# **Bowers Website**

www.bowersmidland.co.uk



Home Page



New Stock Features



**Product Details** 



**Bowers Information** 

Want to stay up to date?

### **New Stock, Offers, Catalogues**

All our latest catalogue updates and current offers

### www.bowersmidland.co.uk

No log-in required - Browse our website today

Read our history, find data sheets

See featured products and much more

Airport Website: www.bowersmidland.co.uk

Bowers

2.6

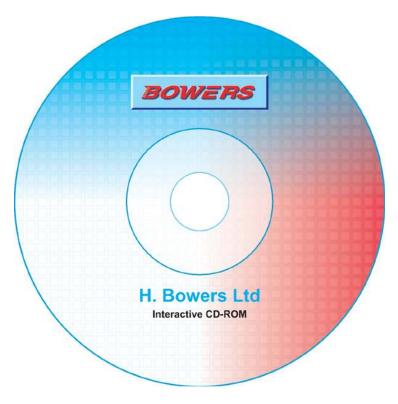
Misc. Lighting	Part No.	Part Description	Additional
	9986035	24V Interior Lamp 27 Watt max. Surface mount warning light. Linear strobe with 15 inch cable or dual lamp halogen with 6 inch pigtail. Rubber mount. Overall Dimensions: 220mm (L) x 127mm (H) x 50mm (D)  Spares: N/a	4 Wire Connection No Plugs
	9986046	12V Interior Strip Lamp 30 LED's. Features an On/Off switch. Low profile aluminium housing. 2.2 Watt max. 12V. Overall Dimensions: 626mm (L) x 44mm (H) x 15mm (D)  Spares: N/a	2 Wire Connection No Plugs
	9986047	24V Interior Strip Lamp 30 LED's. Features an On/Off switch. Low profile aluminium housing. 2.2 Watt max. 24V. Overall Dimensions: 626mm (L) x 44mm (H) x 15mm (D)  Spares: N/a	2 Wire Connection No Plugs
	9986048	12V Interior Strip Lamp 60 LED's. Features an On/Off switch. Low profile aluminium housing. 2.2 Watt max. Overall Dimensions: 1106mm (L) x 44mm (H) x 15mm (D)  Spares: N/a	2 Wire Connection No Plugs
	9986049	24V Interior Strip Lamp 60 LED's. Features an On/Off switch. Low profile aluminium housing. 2.2 Watt max. Overall Dimensions: 1106mm (L) x 44mm (H) x 15mm (D)  Spares: N/a	2 Wire Connection No Plugs
	9986055	DC Ballast 24V Multi-Tasking Ballast for 1 x 18w, 30w and 36w T8, 2 x 18w T8 & TC-L/F, 1 x 24w and 29w T5, 1 x 18w, 24w and 36w TC-L/F, 1 x 26-32w TC-DE/TE and 1 x 28-38w TC-DD(2D). Weight 0.25Kg. Overall Dimensions: 190mm (L) x 29mm (H) x 41mm (D)  Spares: N/a	
	1AA004109041	Headlamp H4 headlamp with position light and cap, support frame in black plastic. Headlamp for installation with position light. With asymmetrical light and cap. Installation depth: 99 mm. Protection type: IP5K4K. Light discharge: 138 x 124 mm. Bulbs: 1 x 12 V 60/55 W, 1 x 12 V 4 W, 1 x 24 V 75/70 W, 1 x 24 V 4 W. Overall Dimensions: 173mm (L) x 144mm (H)  Spares: N/a	
3.1	Bowers	Sales Order Hotline : 01782 590700	Airport

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# Interactive CD

The Bowers Website CD



Ask For The Bowers Interactive CD

Do You Have A Poor Internet Connection?

### **Use Our Offline Website CD**

Just insert the CD and start browsing

### **Every Catalogue, Offer, Feature, Etc**

No Installation needed - CD Autoruns

Don't get left behind!

Ask our sales staff for your easy to use CD

Airport Website: www.bowersmidland.co.uk

**Bowers** 

3.2

Warning Lights	Part No.	Part Description	Additional	
	9985011	Warning Light FiveStar products green warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: Green		Sales Tel : 0
44	9985012	Warning Light FiveStar products green warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: Direction Indicator		Tel: 01782 590700
	9985013	Warning Light FiveStar products blue warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: High Beam		Sales Fax : (
(P)	9985014	Warning Light FiveStar products red warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: Parking Brake		Fax: 01782 590712
	9985015	Warning Light FiveStar products red warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: Brake System Trouble		sales@bower
	9985016	Warning Light FiveStar products red warning light. For use on various applications. Overall Dimensions: 22mm (L) x 22mm (H) x 52mm (D)  Symbol: Door Open		sales@bowersmidland.co.uk
				www.bowersmidland.co.uk
				nidland.co.uk
4.1	Bowers	Sales Order Hotline : 01782 590700	Airport	

# Catalogue Range

The Bowers range of product catalogues









Lighting Products

Rotating Electrics

**Ancillary Products** 

Bus & Coach









Standby Generator

Specialised Rotating

**Product Directory** 

Bowers Information

Do you have the latest issue catalogues?

### **Get your copy NOW**

Your quickest route to our most up-to-date versions is at

### www.bowersmidland.co.uk

Or request a hard copy catalogue from our sales team

Tel: 01782 590700 Fax: 01782 590712

E-Mail: sales@bowersmidland.co.uk

Airport

Website: www.bowersmidland.co.uk

**Bowers** 

4.2

Large Isolator Switches	Part Number	Description
	1831D914	24V Battery Isolator Switch - Marine Applications A manually operated rotary action battery cut-off switch with self aligning main contacts. Aux contacts open in advance of main contacts. Splashproof construction. It is not intended that the switch should be used to break heavy current loads. Except in an emergency such as a complete short circuit.  Main contacts: Continuous rated at 200amps. Main contacts: Intermittent rated at 1200amps.  Aux contacts: 24v application rated at 4amps.  *** SERVICE EXCHANGE PART, OLD CORE REQUIRED ***
BAITERY ISOLATION SWITCH	922-B33-K75-5-S12	24V Battery Isolator Switch - Various Applications Suitable for all types of vehicles inc. tankers, boats & battery powered vehicles. Double pole isolation switch with toggle action. A version for use in hazardous areas, (Petroleum and chemical tankers etc) is available to special order. Operating temperature range -40°C to +75°C.  Main contacts: Current rating range 120amps. Aux contacts: 24v application rated at 6amps.  Aux contacts: 110v application rated at 1amp.
	9996060	24V Battery Isolator Switch - Various Applications Suitable for vehicles carrying dangerous goods i.e. petroleum, gases, etc. Double pole isolation switch. ADR European guideline requires the installation of a battery switch capable of being operated and reset from the drivers position. This switch provides electronically controlled operations to meet this requirement. Housing rated to IP65. Not a fire hazard in explosive atmospheres.  Continuous: 24v application rated at 120amps. Intermittent: 1 sec at 23°C rated at 1500amps.
	9996061	24V Battery Isolator Switch - Various Applications Suitable for vehicles carrying dangerous goods i.e. petroleum, gases, etc. Double pole isolation switch with independent D+ aux circuit. ADR European guideline requires the installation of a battery switch capable of being operated and reset from the drivers position. This switch provides manual and pneumatic controlled operations to meet this requirement. Housing rated to IP65. Not a fire hazard in explosive atmospheres.
THE COUNTY OF TH	9996064	Continuous: 24v application rated at 250amps. Intermittent: 5 sec max at 23°C rated at 2500amps.  Air Distributor: 9996064 2 Positively interlocked positions: Battery switch + engine stop. Setting in cab.
5.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Large Isolator Switches
24V Battery Isolator Switch - Various Applications Suitable for vehicles carrying dangerous goods i.e. petroleum, gases, etc. ADR Compliant for transportation of hazardous goods. Relay, control electronics and power supply for tachograph in a compact housing. Suitable for single and double pole applications. Integral low voltage monitoring to prevent total discharge of the battery. Operated by a control switch in the drivers cab.  Seperate information sheet available upon request	9996077	The state of the s
24V Battery Isolator Switch - Universal Applications 2 Pole isolator switch. Reinforced PBT withstanding rough environments. Silver plated copper connection studs. Aux circuit 1 (Alternator): Switches immediately after the control switch is operated then the main circuits open after less than 30ms delay. Aux circuit 2 (ECM): Switches off after a 10sec delay when main circuits are open.  Continuous: Rated at 300amps. Intermittent: 5 sec rated at 2500amps.  See `Appendix A` for wiring diagram, (Page 4.3).	9996081	
24V Genuine Lucas Battery Isolator Switch Specially designed for commercial vehicles. Fully sealed heavy duty master switch. Essential for vehicles carrying dangerous loads i.e. petroleum products, gases, acids, etc. Resistant to salty spray & chemical attack. Manufactured from self extinguishing material. Solenoid operating voltage 12-31v. Operating temp. range -40°C to +80°C.  Main contacts: Normal current load 150amps.  Main contacts: Make & break current load 2500amps.  Aux contacts: 15amps.  Delay between main & aux contacts opening (Solenoid operation only): 0.02 - 0.03 seconds  ** SERVICE EXCHANGE PART, OLD CORE REQUIRED **	SSB100	
Airport Products Catalogue	Fax : 01782 590712	5.2

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

500mA Max. External fuse recommended

# WIRING DIAGRAM FOR 9996081 BATTERY ISOLATOR SWITCH

PINS 1,3 For use with alternators which do not include a surge protection device. Terminals 1 & 3 must be wired in series with the alternator field a surge protection device.

(6) 8

TTAB 209

- If required an additional push switch may be fitted to the rear of the vehicle & wired in Operating terminal for remote switching of internal solenoid. Return circuit via terminal 4. parallel with a cab switch.
  - Auxiliary negative supply via main con-

3±0

- Auxiliary contacts. 9'9
- tachograph, if fitted. Enables tachograph to connection for vehicle continue to operate when switch is in 'OFF' Return - negative Ξ
- Auxiliary '+' positive supply via main contacts. 12

**DETAILED VIEWS** 

10

TTAB DEN 6

### Remote OFF pushbutton (Momentary) **3** Remote ON pushbutton (Momentary) **4** Auxiliary relay #1 (Common) **5** Auxiliary relay #1 (NO contact) 6 Remote switches supply (protected) 7 CONNECTOR 2 : PINS Voltage monitoring inhibition/High level (+) 7 IROS '-' Battery supply (Limited) IROS shutdown control/Low level (-) iROS '+' Battery supply (Limited) 10Amp Max Vehicle in cab status light (= Pin 4) 10Amp Max. iROS test input/High level (+) IROS warning light output/Low level (-)

No delay: Negative Shutdown Trigger

CONNECTOR

CONNECTOR

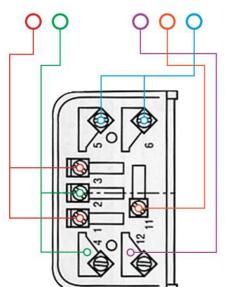
**EXTERNAL SHUTDOWN** 

FIELD ISOLATION

(+) POS. TRIGGER (-) NEG. TRIGGER

# **NEHICIE** POS VEH NEG NEH

10 second delay on Pins 1 & 2 on connector 1 ; Positive Shutdown Trigger



Airport Products Catalogue

SATTERY NEG. OUTPUT AUX. CONTACTS

VEHICLE POS. OUTPUT

This is a positive vehicle output, the same as the Lucas SSB Master Switch except that it is a current limited to 1 amp. It also has a 10 second delay when the master switch is turned off via the external shutdown on connector 1 or on the master switch itself.

AUX. CONTACTS VIA ACTUATED RELAY Pins 1 & 2 on connector 1 can also perform this operation

sales@bowersmidland.co.uk

Sales Fax: 01782 590712

Sales Tel: 01782 590700

## **WE SUPPLY BATTERIES**

Full ranges of Banner & Yuasa Batteries



### Batteries to suit All Engines

In need of a new battery? Tell our sales team your requirements and let us provide you with a leading Yuasa or Banner replacement.

Large and small batteries covered

Full battery ranges available

**Proven Brands** 

\_

Try Us Out



Fax: 01782 590712





Please ring our sales team for more information

01782 590700

Isolator Switches	Part Number	Description
	<b>9996000</b> Spare Key : 9996000K	12/24V Battery Isolator Switch - Universal Supplied with detachable key. Complete with dust cover on switch. Continuous: Rated at 100amps. Intermittent: Rated at 500amps.
	<b>9996001</b> Spare Key : 9996001K	12/24V Battery Isolator Switch - Universal Supplied with detachable key & chain. Complete with dust cover on switch and key. Continuous: Rated at 250amps. Intermittent: Rated at 2500amps.
	<b>9996030</b> Spare Key : 9996030K	12/24V Battery Isolator Switch - Universal Supplied with detachable key. Complete with dust cover on switch. When turned to the `OFF` position the engine will be automatically stopped due to the secondary switch function whereby the ignition circuit is cut. This prevents engine `run-on` and is a vital safety feature.  Continuous: Rated at 100amps. Intermittent: 5 sec rated at 500amps.
	9996031	12/24V Battery Isolator Switch - Various Suitable for cars, light commercial & light industrial applications. Panel mounted rotary switch. Equivalent to Lucas SSB106. Fixing - 19mm (Dia) hole size. Continuous: 12v application rated at 100amps.
	9996063	24V Electromagnetic Battery Isolator Switch - Volvo Electromagnetic battery isolator switch/relay. Remotely operated. Suitable for alternators with incorporated controller unit. Continuous: Rated at 500amps. Intermittent: Rated at 2500amps.
	9996065	12V Electromagnetic Battery Isolator Switch - Volvo Electromagnetic battery isolator switch/relay. Remotely operated. Suitable for alternators with incorporated controller unit. Continuous: Rated at 500amps. Intermittent: Rated at 2500amps.
	9996066	Battery Isolator Switch - Universal With key control. Fixing - 31mm (Dia) hole size. Continuous: Rated at 85amps. Intermittent: 5 sec max rated at 300amps.
	9996067	Battery Isolator Switch - Universal Single pole isolator switch with removable handle. Fixing - 24mm (Dia) hole size. Continuous: Rated at 150amps. Intermittent: 5 sec max rated at 1000amps.
5.5	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Miscellaneous Switches	Part Number	Description
	<b>9996057</b> Spare Key : 9996057K	Ignition Switch Off / On / Heater / Ignition. Supplied with dust cover and 2 keys. Equivalent to 35670.
	9996086	Ignition Switch Key Positions: 0-1. Supplied with 2 keys. Yale safety lock - key extractable only in the '0' position. Max current 12V: 20A Overall Dimensions: 40mm (Dia) x 44mm (H)
	9996094	Toggle Switch Directional indicator with high beam flash toggle switch. IP53 Rated. Operating temperature: -20°C to +40°C Nominal DC current 12V: 8.5A inductive, 24V: 5A inductive. Peak current 5" 12V: 20A, 24V: 15A Overall Dimensions: 22.5mm (Dia) x 70.5mm (H)
	9996098	Lever Switch  Metallic interior lever. Lever covering: Polyamide + function symbols. Black neoprene rubber cap. Polyamide protection container. Connection cable: Suitable with different kinds of connections. Open air electrical contacts.
	9996101	Ignition Switch Key Positions: 0-1-2. Black plastic housing. Supplied with 2 keys. Sealing IP65. Yale safety lock - key extractable only in the '0' position. Current draw max 12V: 30A
	9996104	Light Switch Light switch with bipolar push button horn. Key Positions: 0-1-2-3. Current draw max 12V position 1: 20A Current draw max 12V position 2: 10A Current draw max 12V position 3: 10A Current draw max 12V horn: 10A Overall Dimensions: 45mm (Dia) x 63mm (H)
	201.100	Column Switch  Multi-function column switch.  Non self cancelling directional indicator / main beam / dip beam / headlamp flash / horn.  To suit ø45mm steering column.  Cable length: 200mm
	201.308	Column Switch  Multi-function column switch.  Non self cancelling directional indicator / lane change / main beam / dip beam / headlamp flash / horn / wash / 2 speed intermittent wipe.  Left hand only.  To suit ø45mm steering column.  Cable length: 480mm
5.7	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# **BOSCH WIPER BLADES**

**Quality Products In Stock** 

# High Quality Bosch Wiper Blades

The internal tension strip keeps constant pressure across the blade as the screen curves. A high quality rubber spine enables effective flipover functions. Precision cut cleaning edge ensures smear free wiping. Pre-mounted quick clip adapters makes fitting the blade a quick & simple process.

Economy range wiper blades are also available



### **Economy Wiper Blades**

Economy range wiper blades are also available Available sizes range from 11" to 26"





Please ring our sales team for more information

01782 590700

Fax: 01782 590712

Reversing Aids	Part Number	Description
	9995019	Brigade Reverse Alarm Brigade BA13 12/24v reverse alarm, tough, durable and water proof. Single screw fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium duty applications. Overall Dimensions: 66mm (W) x 74mm (H) x 96mm (D)  Sound Level: 90dB
	9995020	Brigade Reverse Alarm Brigade BA57 12/24v reverse alarm, Night Silent, tough, durable and water resistant. Single screw fix with 3x connection wires, with a IP66 rating. Suitable for light duty applications vans etc. Overall Dimensions: 48mm (W) x 60mm (H) x 74mm (D)  Sound Level: 90dB
	9995022	Brigade Reverse Alarm Brigade BA560 12/24v reverse alarm, tough, durable and water resistant. Single screw fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium duty applications e.g. Vans, light plant, trucks, bus etc.  Overall Dimensions: 105mm (W) x 65mm (H) x 105mm (D)  Sound Level: 97dB
	9995023	Brigade Reverse Alarm Brigade BA32 12/24v reverse alarm, tough, durable and water resistant. Single screw fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium duty applications e.g. Vans, light plant, trucks, bus etc. Overall Dimensions: 91mm (W) x 49mm (H) x 41mm (D)  Sound Level: 90dB
The same of the sa	9995027	Brigade Cut Out Timer Brigade products - Timer cut out switch auto-reset Backalarm cut- out. Dash-mounted single-touch timed relay. Allows driver to cut- out Backalarm if reversing on highway between 11.30pm-7.00am. Auto-resets after 3-4 mins. time delay.  Sound Level: N/a
	9995029	Brigade Reverse Alarm Brigade BA32 12/24v reverse alarm, with Night Shift, allowing the alarm to shut off when double engaged. Tough, durable and water resistant. Single screw fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium duty applications e.g. Vans, light plant, trucks, bus etc. Overall Dimensions: 91mm (W) x 49mm (H) x 41mm (D) Sound Level: 90dB
	9995049	Brigade BBS-tek White Noise Reverse Alarm Brigade BBS107 24v white noise 'Broadband' reverse alarm, tough, durable and water resistant. 2 Bolt fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for heavy Duty plant applications.  Overall Dimensions: 173mm (W) x 79mm (H) x 95mm (D)  Sound Level: 107dB
	9995050	Brigade BBS-tek White Noise Reverse Alarm Brigade BBS102 24v white noise 'Broadband' reverse alarm, tough, durable and water resistant. 2 Bolt fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for heavy Duty plant applications. Overall Dimensions: 173mm (W) x 79mm (H) x 95mm (D)  Sound Level: 102dB
6.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Reversing Aids
Brigade BBS-tek White Noise Reverse Alarm Brigade BBS92 12\24v white noise 'Broadband' reverse alarm. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium applications e.g. Truck, bus, light plant etc. Overall Dimensions: 127mm (W) x 65mm (H) x 76mm (D)  Sound Level: 92dB	9995051	
Brigade BBS-tek White Noise Reverse Alarm Brigade BBS87 12\24v white noise 'Broadband' reverse alarm. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium applications e.g. Light truck, fork lifts, bus, light plant etc. Overall Dimensions: 127mm (W) x 65mm (H) x 76mm (D) Sound Level: 87dB	9995052	
Brigade BBS-tek White Noise Reverse Alarm Brigade BBS82 12\24v white noise 'Broadband' reverse alarm. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium applications e.g. Light truck, fork lifts, bus, light plant etc.  Overall Dimensions: 91mm (W) x 55mm (H) x 45mm (D) Sound Level: 82dB	9995053	
Brigade BBS-tek White Noise Reverse Alarm Brigade BBS97 12\24v white noise 'Broadband' reverse alarm. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires, conforms to J994 with a IP68 rating. Suitable for medium applications e.g. Truck, bus, light plant etc. Overall Dimensions: 127mm (W) x 65mm (H) x 76mm (D)  Sound Level: 97dB	9995054	
Reverse Alarm  12/24V. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires. Suitable for heavy applications e.g. Truck, fork lifts, bus, light plant etc.  Overall Dimensions: 122mm (W) x 82mm (H) x 56mm (D)  Sound Level: 97dB	9995057	
Reverse Alarm  With night silent. 12/24V. Tough, durable and water resistant. 4  Screw angled bracket fix with 3 x connection wires. Suitable for heavy applications e.g. Truck, fork lifts, bus, light plant etc.  Overall Dimensions: 122mm (W) x 82mm (H) x 56mm (D)  Sound Level: 97dB	9995058	
Reverse Alarm  With night silent and override feature. 12/24V. Tough, durable and water resistant. 4 Screw angled bracket fix with 4 x connection wires. Suitable for heavy applications e.g. Truck, fork lifts, bus, light plant etc.  Overall Dimensions: 122mm (W) x 82mm (H) x 56mm (D)  Sound Level: 97dB	9995059	
Talking Reverse Alarm With night silent and override feature. 12/24V. Repeats warning 'Stand well clear, vehicle reversing'. Tough, durable and water resistant. 4 Screw angled bracket fix with 4 x connection wires. Suitable for heavy applications e.g. Truck, fork lifts, bus, light plant etc. Overall Dimensions: 122mm (W) x 82mm (H) x 56mm (D) Sound Level: 97dB	9995060	
Airport Products Catalogue	Fax : 01782 590712	6.2

Reversing Aids	Part Number	Description
	9995063	Reverse Alarm Compact reverse alarm. 12/24V. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires. Suitable for medium applications e.g. Truck, bus, light plant etc. Overall Dimensions: 100mm (W) x 65mm (H) x 42mm (D)  Sound Level: 97dB
9995064		Reverse Alarm 12-80V. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 x connection wires. Suitable for medium applications e.g. Truck, fork lifts, bus, light plant etc. Overall Dimensions: 100mm (W) x 68mm (H) x 41mm (D)  Sound Level: 107dB
	9995065	Reverse Alarm 12-80V. Tough, durable and water resistant. 4 Screw angled bracket fix with 2 stud connection. Suitable for medium applications e.g. Truck, fork lifts, bus, light plant etc. Overall Dimensions: 100mm (W) x 68mm (H) x 41mm (D)  Sound Level: 107dB
THE STATE OF THE S	9995066	Reverse Alarm  With night silent and override feature. 12/24V. Tough, durable and water resistant. Single centre bolt fix with 4 x connection wires. Suitable for medium applications e.g. Truck, fork lifts, bus, light plant etc.  Overall Dimensions: 75mm (Dia) x 72mm (D)  Sound Level: 107dB
	9995280	Colour Reverse Camera Kit FiveStar 12\24v 5.6 inc. LCD colour reverse camera system, with 16 LED colour camera and sound. The system can be set to work manually or automatically when reverse gear selected with up to 2 cameras can be fitted. Single wiring loom from monitor (No ex- ternal box). Kit comprises 1 x 5.6inc colour TFT monitor with uni- versal mount. 1 x 16 LED colour camera with sound and 20m camera cable rated to IP67.
	9995281	Replacement Reverse Camera 16 LED colour camera and sound with 20m cables. Used with camera kits 9995280 & 9995282.
	9995282	Colour Reverse Camera Kit FiveStar 12\24v 5.6 inc. LCD colour reverse camera system, with 2 x 16 LED colour camera and sound. The system can be set to work manually or automatically when reverse gear selected with up to 2 cameras can be fitted. Single wiring loom from monitor (No external box). Kit comprises 1 x 5.6inc colour TFT monitor with universal mount. 2 x 16 LED colour camera with sound and 20m camera cable rated to IP67.
	9995286	Replacement Reverse Camera 16 LED colour camera and sound, (No cables). Used with camera kits 9995280 & 9995282.
6.3	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Reversing Aids
Britax Interior Mirror Interior mirror. Assembly. Rear view. To fit JCB. Glass spherical radius: 1400mm  Spare Glass: Z4002.498.10 (10 Pack)	7120.00.A	
Britax 'Midibrac' Arm Assembly 16mm (Dia) Tube. Spring loaded adjustment. 2 x M6 Mounting holes. Adjustment can only be done when the arm is securely mounted.  Side: Right Hand	Z4007.522	
Britax 'Midibrac' Arm Assembly 16mm (Dia) Tube. Spring loaded adjustment. 2 x M6 Mounting holes. Adjustment can only be done when the arm is securely mounted.  Side: Left Hand	Z4007.523	
Airport Products Catalogue	Fax: 01782 590712	6.4

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

High Current Connectors	Part Number	Description
	9998070	High Current Connector Anderson plug. Grey polycarbonate housing. Silver plated copper terminals.  Rated: 50amps
	9998071	High Current Connector Anderson plug. Grey polycarbonate housing. Silver plated copper terminals.  Rated: 175amps
	9998072	High Current Connector Anderson plug. Grey polycarbonate housing. Silver plated copper terminals.  Rated: 350amps
	9998073	High Current Connector Anderson plug. Red polycarbonate housing. Silver plated copper terminals.  Rated: 350amps
	9998074	High Current Connector Anderson plug SBE320. Grey polycarbonate housing. Silver plated copper terminals.  Rated: 320amps
	9998075	High Current Connector Anderson plug SBE320. Black polycarbonate housing. Silver plated copper terminals.  Rated: 320amps
	9998076	High Current Connector Anderson plug SBE320. Green polycarbonate housing. Silver plated copper terminals.  Rated: 320amps
	9998077	High Current Connector Anderson plug SBE320. Yellow polycarbonate housing. Silver plated copper terminals.  Rated: 320amps
7.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	High Current Connectors
Handle For High Current Connector Polycarbonate handle for high current connectors.	9998078	
High Current Connector Rema connector. Black polycarbonate housing. Male 50mm.  Rated: 320amps	9998079	
High Current Connector Rema connector. Black polycarbonate housing. Female 50mm.  Rated: 320amps	9998080	
High Current Connector Shaltbau connector. Black polycarbonate housing. Male 70mm.  Rated: 320amps	9998081	Canadana
High Current Connector Shaltbau connector. Black polycarbonate housing. Female 70mm.  Rated: 320amps	9998082	Continue of the second
High Current Connector Rema connector. Black polycarbonate housing. Female 95mm.  Rated: 320amps	9998083	
High Current Connector Rema connector. Black polycarbonate housing. Male 95mm.  Rated: 320amps	9998084	
High Current Connector Anderson plug. Red polycarbonate housing. Silver plated copper terminals.  Rated: 50amps	9998085	
Airport Products Catalogue	Fax: 01782 590712	7.2

High Current Connectors	Part Number	Description
	9998086	High Current Connector Anderson plug. Red polycarbonate housing. Silver plated copper terminals.  Rated: 175amps
7.3	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

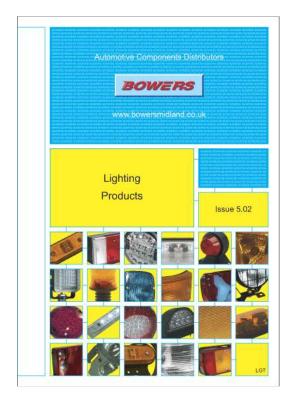
sales@bowersmidland.co.uk

sales@bowersmidland.co.uk

# **Lighting Products**

Part Number

H. Bowers Product Catalogue



Rotating Electrics Catalogue

Do you know we stock a wide range of lighting?

### LED, Vehicle Specific, Lenses

Rear lamps, marker lamps, worklamps, trailer

### **Lamps For Every Use**

Our range is ever growing so keep up to date

Don't get left behind!

Ask our sales staff for more information

Fax: 01782 590712

Solenoids	Part Number	Description
	3905000	12V Solenoid - Various Applications Suitable for various applications, pump motors, winch motors, etc. Insulated. Continuously rated. Normally Open.  Normally open ratings: Continuous: 80amps, Max per 5 sec: 150amps
	3905001	24V Solenoid - Various Applications Suitable for various applications, pump motors, winch motors, etc. Insulated. Continuously rated. Normally Open.  Normally open ratings: Continuous: 60amps, Max per 5 sec: 100amps
	3905002	36V Solenoid - Various Applications Suitable for various applications, pump motors, winch motors, etc. Insulated. Continuously rated. Normally Open.  Normally open ratings: Continuous: 50amps, Max per 5 sec: 100amps
	3905003	12V Solenoid - Various Applications Suitable for various applications, pump motors, winch motors, etc. Insulated. Continuously rated. Changeover contacts, (1 Set normally open, 1 set normally closed). Can be used in conjunction with reversible motors.  Normally open ratings: Normally closed ratings: Continuous: 80amps, Continuous: 50amps, Max per 5 sec: 150amps  Max per 5 sec: 60amps
	3905004	24V Solenoid - Various Applications Suitable for various applications, pump motors, winch motors, etc. Insulated. Continuously rated. Changeover contacts, (1 Set normally open, 1 set normally closed). Can be used in conjunction with reversible motors.  Normally open ratings: Normally closed ratings: Continuous: 60amps, Max per 5 sec: 50amps  Max per 5 sec: 30amps
and Francis	3905007	24V Engine Stop Solenoid - Universal Applications Pull type operation. Full kit of parts for complete installation.
	3905008	12V Engine Stop Solenoid - Universal Applications Pull type operation.
	3905009	12V Engine Stop Solenoid - Universal Applications Pull type operation.
8.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Solenoids
24V Engine Stop Solenoid - Universal Applications Push type operation.	3905010	
24V Engine Stop Solenoid - Universal Applications Pull type operation.	3905011	
24V Engine Stop Solenoid - Universal Applications Pull type operation.	3905012	
24V Engine Stop Solenoid - Universal Applications -	3905013	
24V Engine Stop Solenoid - Universal Applications Pull type operation. No fitting kit supplied.	3905014	
24V Engine Stop Solenoid - Universal Applications Push type operation. No fitting kit supplied.  Push Current: 30amps Hold Current: 8amps	3905015	
12V Engine Stop Solenoid - Universal Applications Pull type operation. No fitting kit supplied.	3905016	35
24V Engine Stop Solenoid - Universal Applications Pull type operation. No fitting kit supplied.  Push Current: 43amps Hold Current: 6amps	3905017	and the second second
Airport Products Catalogue	Fax : 01782 590712	8.2

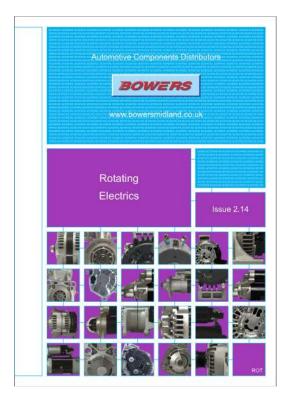
Solenoids	Part Number	Description
	PRE1827631	24V Engine Stop Solenoid - Universal Applications Pull type operation. 4 Screw holes. Type 263A23-24v. Despatch No. 1827631  ** SERVICE EXCHANGE PART, OLD CORE REQUIRED **
	PRE1827711	24V Engine Stop Solenoid - Universal Applications Pull type operation. Type 263A31-24v.  ** SERVICE EXCHANGE PART, OLD CORE REQUIRED **
Image Unavailable	PRE1827771	** SERVICE EXCHANGE PART, OLD CORE REQUIRED **
	PRE1827781	24V Engine Stop Solenoid - Universal Applications Pull type operation. 4Screw holes. Type 263A-38.  ** SERVICE EXCHANGE PART, OLD CORE REQUIRED **
	PRE1830592	24V CAV Engine Stop Solenoid - Uni Applications Push type operation. 4 Screw holes. CAV Solenoid. Type 368-9B. Despatch No. 1830592.  ** SERVICE EXCHANGE PART, OLD CORE REQUIRED **
8.3	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# **Rotating Electrics**

H. Bowers Product Catalogue



Rotating Electrics Catalogue

Looking to source a unit?

### We have over 800 Part Numbers

Alternators - Starter Motors - DC Motors - Dynamos

## **Outright & Exchange Units**

Our range is ever growing so keep up to date

Don't get left behind!

Ask our sales staff for more information

Fax: 01782 590712

Relays & Flashers	Part Number	Description
···	9996068	12V Power Relay - Universal Applications Power relay intermittent duty n/o. Electronic control. Protection to IP65. Continuous using 4 H Max. Continuous: 24v application rated at 150amps Intermittent: 5 sec max 24v application rated at 800amps
··	9996069	24V Power Relay - Universal Applications Power relay intermittent duty n/o. Electronic control. Protection to IP65. Continuous using 4 H Max. Continuous: 24v application rated at 150amps Intermittent: 5 sec max 24v application rated at 800amps
···	9996070	12V Power Relay - Universal Applications Power relay intermittent duty n/o. Electronic and manual control. Protection to IP65. Continuous using 4 H Max. Continuous: 24v application rated at 150amps Intermittent: 5 sec max 24v application rated at 800amps
··	9996071	24V Power Relay - Universal Applications Power relay intermittent duty n/o. Electronic and manual control. Protection to IP65. Continuous using 4 H Max. Continuous: 24v application rated at 150amps Intermittent: 5 sec max 24v application rated at 800amps
···	9996074	24V Power Relay - Universal Applications Power relay intermittent duty n/o. Electronic and manual control. Protection to IP65. Continuous using 4 H Max. Continuous: 24v application rated at 80amps Intermittent: 5 sec max 24v application rated at 400amps
	9997013	24V Flasher Unit - Universal Applications FiveStar Products 4 pin flasher unit.
	9997014	12V Flasher Unit - Universal Applications FiveStar Products 3 pin flasher unit.
	9997015	24V Flasher Unit - Universal Applications FiveStar Products 3 pin flasher unit.
9.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Automotive Heaters	Part Number	Description
	Airtop 2000	Webasto Air Heater 12/24V Weight: 2.6Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.
	Airtop 3500 & Airtop 5000	Webasto Air Heater 12/24V Weight: 5.9Kg Diesel.  Visit our website for full details on this heater.
AIRTRONIC	D2 Airtronic	Eberspacher Air Heater 12/24V Weight: 2.7Kg Paraffin, petrol.  Visit our website for full details on this heater.
AIRTRONIC	D4 Airtronic	Eberspacher Air Heater 12/24V Weight: 4.5Kg Paraffin, petrol.  Visit our website for full details on this heater.
and and	D5 Airtronic	Eberspacher Air Heater 12/24V Weight: 8.0Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.
	D8LC	Eberspacher Air Heater 12/24V Weight: 20.0Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.
	V7S	Eberspacher Air Heater 24V Weight: 14.0Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.
nyracode .	Hydronic 4	Eberspacher Water Heater 12V Weight: 2.9Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.
10.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Automotive Heater
Eberspacher Water Heater 12/24V Weight: 2.9Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.	Hydronic 5	HYTANAIT
Eberspacher Water Heater 12/24V Weight: 6.9Kg Diesel or paraffin.  Visit our website for full details on this heater.	Hydronic 10	
Eberspacher Water Heater 24V Weight: 18.0Kg Diesel or paraffin.  Visit our website for full details on this heater.	Hydronic 16 & Hydronic 24	HYDRONÜC E
Eberspacher Water Heater 24V Weight: 18.0Kg Diesel or paraffin.  Visit our website for full details on this heater.	Hydronic 30 & Hydronic 35	HYDRONIC E
Webasto Water Heater 24V Weight: 19.0Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.	Thermo 230 & Thermo 300	
Webasto Water Heater 24V Weight: 19.0Kg Diesel or paraffin, petrol.  Visit our website for full details on this heater.	Thermo 350	

Fax: 01782 590712

Airport Products Catalogue

Eberspacher Parts	Part Number	Description
0	EBE10145	Eberspacher Ducting 60mm APK. Black heater outlet ducting for Eberspacher heaters.
	EBE10151	Eberspacher Ducting 60mm. Flexible black heater outlet ducting for Eberspacher heaters.
Image Unavailable	EBE19097	Eberspacher Exhaust 0.5m Flexi.
	EBE24021	Eberspacher Loom Cap Short Harness suitable for D1LC, D1LCC, D3LC, D3LCC.
Image Unavailable	EBEE6598	Eberspacher Diagnostic Tester Airtronic D2.
	EBE36000006	Eberspacher Air Pipe 25mm Flexible combustion air pipe.
	EBE36061300	Eberspacher Exhaust Ducting 30mm Flexible stainless steel exhaust ducting.
	EBE221000320700	Eberspacher Mini Modulator Suitable for 12v or 24v. Comfortable room temperature control with a choice of heating or ventilation mode. Suitable for Eberspacher Airtronic range only. Simple Installation. Electrical plug and connectors supplied.  Overall Dimensions: 48mm (L) x 42mm (H)
11.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Description	Part Number	Eberspacher Parts
Eberspacher Control Unit 24V. Suitable for the Eberspacher D4 Airtronic.	EBE225102003003	
Eberspacher Fuel Strainer In line sin.	EBE251226890037	6
Eberspacher Glow Plug Suitable for Eberspacher D1L - 12V or 24V. Suitable for Eberspacher D3L - 12V or 24V. Suitable for Eberspacher D5W - Early models only.	EBE251384010002	
Eberspacher Glow Plug Screen Suitable for Eberspacher D1LC, D1LCC, D5LC.	EBE251688060400	
Eberspacher Fuel Pump 24V. Suitable for Eberspacher D5LC.	EBE251730450000	
Eberspacher Switch Rheostat 24V. Does not include plug and terminals.	EBE251768710000	Rheostat
Eberspacher Glow Plug Screen Suitable for Eberspacher D3LC, D3LCC.	EBE251822060400	
Eberspacher Glow Plug Suitable for Eberspacher D1LC, D1LCC, D3LC, D3LCC, D5LC. 24V.	EBE251831010100	
Airport Products Catalogue	Fax : 01782 590712	11.2

Eberspacher Parts	Part Number	Description
	EBE251896710000	Eberspacher Switch Rheostat 24V. includes plug and terminals. Controls the output for all Eberspacher Airtronic heaters.
	EBE251997990101	Eberspacher Glow Plug Suitable for Eberspacher D9W, Hydronic 10. 24V Only.
	EBE252070011100	Eberspacher Glow Plug Suitable for Eberspacher D2 & D4 Airtronic. 24V Only. Supplied with glow plug removal tool.
11.3	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

# Official Supplier

Part Number

Eberspacher & Webasto Systems & Parts









H. Bowers is your official supplier of both

## **Eberspacher & Webasto**

Heating systems, parts & spares

## We Also Install & Repair

Fully trained technicians will diagnose any fault

More than just a supplier!

Ask our sales staff for more information

Fax: 01782 590712

Wiper Motors & Arms	Part Number	Description
	1050008	Wiper Motor 24V. 8/10mm Shaft. Overall Length 165mm. Complete with lead & 5 pin plug.
	1050009	Wiper Motor 24V. 6/8mm Shaft. 58mm Shaft length. 90 Switched. Twin shaft, single speed 45 cycles per minute with right hand automatic park.
	1050023	Wiper Motor 24V. 8mm Shaft.
	1050025	Wiper Motor 12V. 6/8mm Shaft. 74mm Shaft length. Supplied with a 5 pin plug. Automatic park.
	5050013	Wiper Arm Charlatte. Opposite of 5050018.
	5050018	Wiper Arm Charlatte. Opposite of 5050013.
	BRIPT6068.00	Wiper Blade Flat 18". Flat blade with plain arm fixing.
	BRIPT6088.00	Wiper Blade Curved 18". Plain arm fixing.
12.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

Brush Sets	Part Number	Description
	3911006	Brush Set Charlatte brush set. Pack Of: 8
	3911007	Brush Set 72V Charlatte brush set. Pack Of: 4
	3911008	Brush Set Lansing brush set.  Pack Of: 8
	3911010	Brush Set Brush set. Pack Of: 4
12.1	Tel : 01782 590700	Airport Products Catalogue

Sales Fax: 01782 590712

sales@bowersmidland.co.uk

## **Social Media**

Part Number

Stay Up To Date With H. Bowers Ltd







Facebook

YouTube

**Twitter** 

The Worlds Largest Community Websites

Be A Part Of It

All Are Free To Sign Up

Interested in new products & special offers?

Facebook - YouTube - Twitter

Search for H. Bowers Ltd or @HBOWERSLTD

**Another Way To Interact With Us** 

Sign up and post reviews etc

**Connect with the Automotive Neworks!** 

Ask our sales staff for more information

Fax: 01782 590712

### Workshop Service & Repair Facility

More than just just an automotive components distributors

#### **Air Conditioning Units / Heater Systems**

Our fully trained workshop technicians have vast experience working with both Eberspacher and Webasto equipment.

### **Rotating Electrics**

Can't source a unit? Or is it too expensive to buy? Let our trained staff repair your old unit. We have the knowledge & experience to help.

Shown on this page are images of equipment that we regularly carry out work on































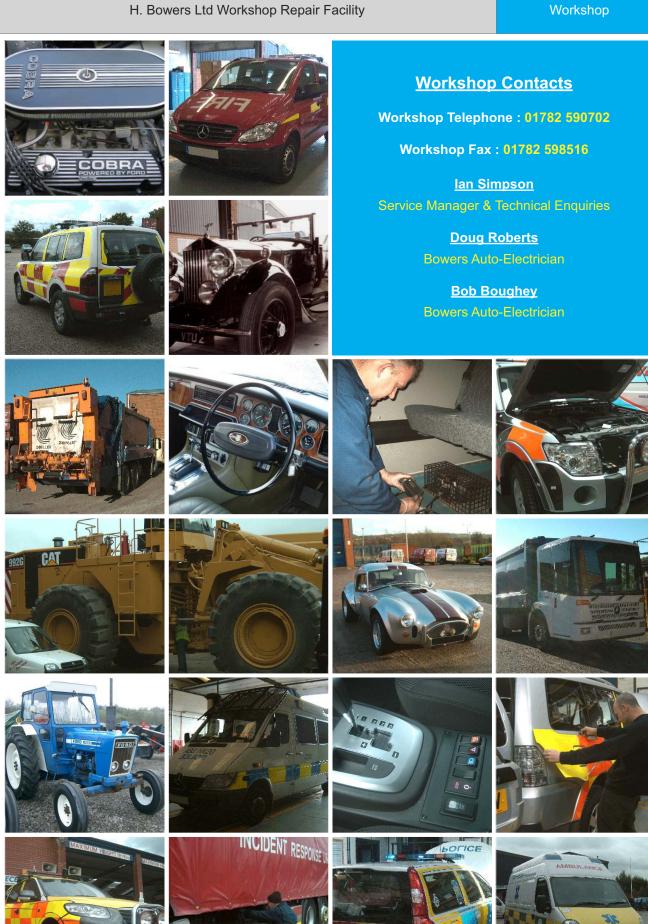












**Airport Products** 

Workshop Fax: 01782 598516

## **Automotive Components Distributors**



www.bowersmidland.co.uk

H. Bowers Ltd, Normacot Road, Longton, Stoke-on-Trent, Staffordshire, ST3 1PU













