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## Wiring

Most things you need to rewire your car

In this section, you will find lots of helpful information on the wiring of classic British cars, along with a vast selection of wire and wiring-related products. Whether you have a vintage car or a classic motorcycle, the wiring system is essential to any motor vehicle. Therefore, it is crucial that the correct cables and connectors link together all the electrical equipment; that the wiring is in excellent condition; and that all the connectors and terminals are rust-free and insulated.

We list relay and switch terminal identification to help in your wiring, also tools and terminals, in fact, most things that you would need to rewire your car.

### FLASHER UNITS






 <p><b>6V-36W</b> This is the flasher unit we offer for 6 volt applications. It has 3 Lucar terminals, 36 watts maximum load <b>080.002</b></p>	 <p><b>12V-2 X 21W + 5W</b> LUCAS type 8FL with Lucar connectors <b>35048</b></p>	 <p><b>HAZARD WARNING FLASHER UNIT - 47W</b> Enables you to add hazard warning function to the existing flashers on your car. 12 volt <b>35053</b></p>	 <p><b>21W X2+5W MAX 47W</b> Flasher unit 2 terminals. 12 volt. 21w x2+5w Max 47watts <b>35085</b></p>
 <p><b>12V-42W LUCAR CONNECTORS</b> Genuine LUCAS Flasher Unit with Lucar connectors. LUCAS type FL5 or 35020. Maximum load 42 watts <b>35020</b></p>	 <p><b>12V-42W SCREW CONNECTORS</b> Modern version of early type of LUCAS flasher unit with screw connections, 42 watts maximum load <b>35010</b></p>	 <p><b>12V-98W</b> Operates on 12V and up to 98 watts. Fits into <b>080.083</b> socket <b>080.082</b> 3 pin <b>080.137</b> 4 pin (shown)</p>	 <p><b>12V-84W 3 PIN</b> Can also be used as hazard warning <b>080.799</b></p>

 <p><b>SOCKET WITH CONNECTORS</b> Wire into loom. For use with flasher units and relays <b>080.926</b></p>	 <p><b>SOCKET WITH CONNECTORS</b> With bracket. For use with flasher units and relays <b>080.083</b></p>	 <p><b>FLASHER UNIT</b> 12 volt LUCAS type FL5 for motorcycles with one flasher lamp per side 21W <b>35024</b></p>	 <p><b>FLASHER UNIT</b> LUCAS 35040 12v 36w Flasher Unit <b>35040</b></p>	 <p><b>ELECTRONIC VERSION</b> Flasher unit 35020/SFB105 electronic version <b>SFB105E</b></p>
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### RELAYS

A relay is an electrical switch which uses low wattage current to open another switch. It is this second switch that carries and switches the high wattage current. This second switch can be normally open, normally closed or offering a changeover facility such as headlamp dip. They are a very useful safety device to have on high wattage circuits on your car. Remember to wire both the low wattage circuit and the high wattage circuit through appropriate fuses. We show here a number of different relays we have available:

General purpose relays in a metal case with two fixing holes. Suitable for horn, lamp, alternator field, starter solenoid, accessory and transmission circuits. All 12 volts and 20 amps

 <p><b>SRB111</b> Contacts <b>SRB111</b> Normally open (horn, lights) (shown) <b>SRB146</b> Change over relay <b>SRB301</b> LUCAS 22RA starter relay replaces 33356 and 33336. Used on <b>Triumph</b> and <b>Jaguar</b></p>	 <p><b>12V 15 AMPS NORMALLY OPEN</b> Fitted with 15 amp fuse to prevent overloading <b>080.801</b></p>	 <p><b>12V 20 AMPS NORMALLY CLOSED</b> Circuit opens when energised <b>080.804</b></p>
 <p><b>SPLIT CHARGE RELAY FOR CARAVAN</b> Enables you to keep your caravan battery charged while you are driving along. 12 volt <b>SRB630</b></p>	 <p><b>12V FLASHER RELAY</b> This 12V Flasher unit was fitted to some versions of the <b>MGA</b> and <b>Morris Minor</b>, and other cars <b>33117/DB10</b></p>	

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**12V 20 AMPS CHANGEOVER**  
Changeover from one circuit to another  
**080.805**



**LUCAS 33303 6RA RELAY**  
Relay - 6RA, 5 terminal (4 x double). Includes mounting bracket. LUCAS 33303  
**UD21474**

You will find identification numbers against the terminals on most LUCAS switches and relays. The chart below shows what each number represents.

The following guide shows the most popular terminal numbers and is based on DIN 72552.

NO.	TERMINAL DEFINITION
1	Ignition coil to ignition distributor LT
4	Ignition coil to ignition distributor HT
15	Ignition controlled feed (ignition/key switch)
15 a	Ignition controlled feed (ignition/key switch)
17	Ballast resistor to ignition coil
19	Glow plug to starter switch
30	Start
31	Preheat
32	Feed from positive battery terminal, direct
33	Earth or battery negative
45	Electric motors
49	Return
49 a	Main terminal
50	Starter relay feed to starter input (main current)
52	Flasher unit
53	Feed
53 a	Flasher unit
53 b	Feed
53 c	Output
53 e	Starter feed (direct)
53 i	Trailer signals
54	Additional signals from trailer to towing vehicle
55	Wiper motor
56	Feed
56 a	Wiper (+), self-parking switch
56 b	Wiper (shunt winding)
56 c	Windscreen washer pump
56 d	Wiper (brake winding)
56 e	Permanent magnet wiper motor third brush (2 speed)
56 f	Trailer signals
56 g	Brake lamps
56 h	Fog lamps
56 i	Headlamps
56 j	Main-beam and main-beam indicator
56 k	Dip-beam
56 l	Headlamp flash contact
56 m	Sidelamps, tail lamps, number plate lamps and Instrument panel lamps
56 n	Charge-warning light
56 o	Alternator field
56 p	Beacon lamp switch
56 q	Radio, cigar lighter
56 r	Loudspeakers

NO.	TERMINAL DEFINITION
81	Normally-closed and changeover switches
81 a	Feed
81 b	First output
81 c	Second output
82	Normally-open switches
82 a	Feed
82 b	First output
82 c	Second output
82 d	First input
82 e	Second input
83	Multi-position switches
83 a	Feed
83 b	Output, position 1
83 c	Output, position 2
83 d	Output, left-hand
83 e	Output, right-hand
84	Current relays
84 a	Feed, winding and relay contact
84 b	Finish of winding
84 c	Output, relay contact
85	Switching relays
85 a	Finish of winding (earth)
85 b	Start of winding
85 c	Start of winding or first winding
85 d	Winding tap or second winding
86	Normally-closed and changeover contacts
86 a	Input
86 b	First output (break side)
86 c	Second output
86 d	Third output
86 e	First input
86 f	Second input
86 g	Third input
87	Normally-open and changeover contacts
87 a	Input
87 b	First output
87 c	Second output
87 d	Third output
87 e	First input
87 f	Second input
87 g	Third input
88	Generator and generator regulator
88 a	Battery positive, generator output
88 b	Battery negative
88 c	Generator positive
88 d	Generator negative
88 e	Generator field
88 f	Warning light



**12V 2X15 AMPS NORMALLY OPEN**  
Makes two contacts of 15 amps each  
**080.806**



**12V 2X15 AMPS NORMALLY OPEN**  
Makes two contacts, total load 30 amps  
**080.807**



**12V 30 AMPS NORMALLY OPEN**  
Normally open  
**080.800**



**12V 30 AMPS NORMALLY OPEN**  
Fits Ford, Jaguar and others  
**080.081**



**12V 70 AMPS NORMALLY OPEN**  
Heavy duty. Use Lucar connectors  
**080.802**



**12V 180 AMPS NORMALLY OPEN**  
Extra heavy duty relay. Second switch has screw terminals  
**080.803**



**LUCAS 33307 6RA RELAY**  
6RA Relay - C1/C2/W1/W2 terminals. LUCAS 33307  
**UD15493**



**12V INTERIOR LIGHT DELAY**  
Wire it to your door switch to give 10 seconds delay  
**080.798**



**LUCAS 33135 NORMALLY OPEN HORN RELAY SB40**  
LUCAS 33135/SB40 type relay. A Relay is an electrical switch which uses low wattage current to open another switch. It is this second switch that carries and switches the high wattage current. This is a general purpose Relay in a metal case with two fixing holes and features screw connections for your wires. It is normally open and operates on 12 volts and up to 20 amps for horn, lights etc. This type of relay was fitted to XK Jaguars and early DB Series Aston Martin and many other applications  
**33135/SB40**



## DYNAMO REGULATOR CONTROL BOX RF95

This early 9 post type control box/regulator type RF95 was introduced just before WWII and continued until the mid 1950s. It incorporated a thermostat for temperature regulation (compensated voltage control) and had external fuses. It became almost universal, being fitted to **Allard, Alvis, Armstrong Siddeley, Aston Martin, Austin, Bristol, Daimler Healey, Hillman, H.R.G., Humber, Jaguar, Jensen, Jowett, Lea Francis, MG, Morgan, Morris, Riley, Rover, Singer, Standard, Sunbeam-Talbot, Triumph, Vauxhall, Wolseley** plus others. Unavailable for some time, these are our own reproduction:

- RF95** 12 volt reproduction
  - RF95/6V** 6 volt reproduction
  - RF95/37065** Official LUCAS 12 volt **RF95**
  - RF95/37093** Official LUCAS 6 volt **RF95**
  - 080.107** **RF95** Regulator Cover.
- As an extra we are able to supply a quality reproduction of the original LUCAS cover. See below.
- 334956** **RF95** Regulator Cover with LUCAS engraving
  - 334906** Cover Clip to suit **RB106 / RF95** Control Box



**RF95**

**RF95/37065**



**CONTROL BOX SCREWS**  
(Above) For RB106, RF95, RF96, RF91 etc. Set of 5  
**080.040**



**DYNAMO REGULATOR CONTROL BOX TYPE RB340**  
**NCB130** 12 volt 22 amp  
**NCB133** 12 volt 30 amp



**3AW REPLACEMENT WARNING LIGHT CONTROL**  
Replacement solid state unit for the LUCAS 3AW warning light control unit. This one is for positive earth only. These, being solid state, are tough and much more reliable. They come with a rubber lined stainless steel p-clip to mount them to in the original place. Made in the UK  
**080.813** For POSITIVE EARTH only  
**080.814** For NEGATIVE EARTH only



**REGULATOR CONTROL BOX**  
Reproduction of LUCAS 6 volt 30 watt Voltage Control Box/Regulator. Also has LUCAS Part No. **37097**  
**MCR2/6V**



**11AC WARNING LIGHT CONTROL**  
LUCAS 11AC alternators have an external relay LUCAS Part No. 3AW or 38706 which operates the warning light on the dashboard. If yours fails, new ones have not been available for some time. This is a specially made replacement. Full instructions for fitting and wiring are supplied  
**080.808** For NEGATIVE EARTH only



**37182 REGULATOR CONTROL BOX**  
12 volt LUCAS 37182 Control Box / Voltage Regulator with 5 screw connections. Also known as Lucas RB106 or NCB100, RTC0434, 3H1835. As fitted to a wide range of classic vehicles, including MGA 1955-62, Sprite/Midget 1953-67 and Morris Minor  
**37182**



**37290 REGULATOR CONTROL BOX**  
12 volt LUCAS 37290 Control Box / Voltage Regulator with 5 Lucar type blade connections. Also known as LUCAS RB106 or NCB101, RTC0435, BCA4308, 3H1836. As fitted to a wide range of classic vehicles, including: Mini all models including Make 1964-72, AUSTIN A35, A40, A60 and Healey Sprite 1964-69 FORD, Popular and Consul 1964, Anglia 1964-66, HILLMAN Minx and Husky 1964, HUMBER Hawk 1964-65, LAND ROVER, MG Midget and Magette 1964-69, MORRIS Minor and Oxford 1964-71, RELIANT Regal, Rebel, TW9E, TW9C 1964 Sabre 1964-65, RILEY Elf and Four Seventy Two 1964-69, SINGER Gazelle 1964, SUNBEAM Alpine and Rapier 1964, TRIUMPH Herald 1964-71, WOLSELEY Hornet and 16/60 1964-7  
**37290**



**LUCAS 3AW WARNING LIGHT CONTROL**  
LUCAS 3AW Solid State Warning Light Control Unit for use with 11AC Alternators.  
LUCAS 38706 BMK1092  
**38706**

## GLASS FUSES AND FUSEBOXES



**4FJ FOR 2 GLASS TYPE FUSES**  
LUCAS fuse box with cover (clips into place) for two glass type fuses. Each end of each fuse carrier has multiple 6.4mm Lucar connectors. Includes provision to store two spare fuses  
**54038068**



**SF6 FOR 2 GLASS FUSES**  
LUCAS fuse box for two glass type fuses. Provision to store two more, retained by clips. Plated screw connections. No cover, but ideal for adding fuses into an existing set up  
**37132**



**SF4 FOR 4 GLASS TYPE FUSES**  
LUCAS SF4 type fuse box with cover (retained by a screw) for four glass type fuses, 54038067. Made in the UK by the original manufacturer but the cover is now plain instead of being branded 'LUCAS'. Both ends of each fuse holder have screw connections and there is provision to store two spare fuses, ready in case they are needed. Vintage appearance  
**54038067**  
**54038067/R** Quality reproduction of fusebox



**DYNAMO REGULATOR CONTROL BOX TYPE RB108**  
LUCAS original 11 amp  
**RB108** 12 volt (shown)  
**RB108/6V** 6 volt



**4TR ALTERNATOR CONTROL 3 TERMINAL**  
Early LUCAS 12 volt alternators 10AC/AC had this separate regulator Fitted to **Jaguars 420/E Type/ Mk 10, Mini and Stag**. Genuine LUCAS  
**NCB144**



**4TR ALTERNATOR CONTROL 4 TERMINAL**  
Quality reproduction of the alternator control for early LUCAS 12 volt alternators 15AC/16AC. (LUCAS five figure Part Nos included 37586, but LUCAS originals no longer manufactured). Fitted to many cars including **MGB, MGC, Triumph TR5** etc. Original Equipment Part No. **BHA4789**  
**NCB148**

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**6FJ FOR 4 GLASS TYPE FUSES**  
LUCAS type fuse box with clip on cover for four glass type fuses. Provision to store two spare fuses. Each end of each fuse carrier has two or three 6.4mm Lucar connections through the base  
**37409**



**7FJ FOR 4 GLASS TYPE FUSES**  
LUCAS type fuse box with clip on cover for four glass type fuses. Provision to store two spare fuses. Each end of each fuse carrier has two 6.4mm Lucar connections sideways from the fuse box  
**37420**



**7FJ FOR 4 GLASS TYPE FUSES**  
LUCAS fuse box with clip on cover for four glass type fuses. Provision to store two spare fuses. Each end of each fuse carrier has two 6.4mm Lucar connections sideways from the fuse box, two of which are joined by a 'common link' underneath  
**37552**



**IN LINE FUSE HOLDER FOR A GLASS FUSE**  
LUCAS In-line fuse holder for inserting into a wire to protect a new piece of equipment. Useful if you are adding something electrical to your car  
**CAB389**



**LUCAS 6FJ FUSE BOX**  
Original LUCAS 6FJ fuse box holds 4 fuses complete with cover, connections on the rear of the box  
**37564**



**FUSEBOXES WITH CLEAR COVERS, SCREW TERMINALS**  
**080.006** For 12 fuses  
**080.655** For 8 fuses  
**080.007** For 6 fuses  
**080.008** For 4 fuses  
**080.009** For 2 fuses



**FUSEBOXES WITH BLACK COVERS, LUCAR TERMINALS**  
**080.659** For 12 fuses  
**080.658** For 8 fuses  
**080.010** For 6 fuses  
**080.656** For 2 fuses

## FUSES

### CONTINENTAL FUSES

Rating	Colour	Part No. for 3 off	Part No. for 50 off
5 amps	Yellow	<b>CFB305A3</b>	<b>CFB305A50</b>
8 amps	White	<b>CFB308A3</b>	<b>CFB308A50</b>
16 amps	Red	<b>CFB316A3</b>	<b>CFB316A50</b>
25 amps	Blue	<b>CFB325A3</b>	<b>CFB325A50</b>

### GLASS FUSES

Rating	Part No. for 3 off	Part No. for 10 off	Part No. for 50 off
2 amps	<b>CFB102A3</b>	<b>CFB102A10</b>	<b>CFB102A50</b>
5 amps	<b>CFB105A3</b>	<b>CFB105A10</b>	<b>CFB105A50</b>
10 amps	<b>CFB110A3</b>	<b>CFB110A10</b>	<b>CFB110A50</b>
15 amps	<b>CFB115A3</b>	<b>CFB115A10</b>	<b>CFB115A50</b>
20 amps	<b>CFB120A3</b>	<b>CFB120A10</b>	<b>CFB120A50</b>
25 amps	<b>CFB125A3</b>	<b>CFB125A10</b>	<b>CFB125A50</b>
35 amps	<b>CFB135A3</b>	<b>CFB135A10</b>	<b>CFB135A50</b>
50 amps	<b>CFB150A3</b>	<b>CFB150A10</b>	<b>CFB150A50</b>



**BOX OF GLASS & CONTINENTAL FUSES**  
(Left) A selection of fuses packed in a plastic box, with clear lid, containing: Glass Fuses: 30 off each 5 amp, 10 amp, 15 amp, 25 amp & 50 amp and 90 off 35 amp. Continental Fuses: 50 off each 5 amp, 8 amp, 16 amp and 24 amp  
**080.404**



### BLADE FUSES AND FUSEHOLDERS

Rating	Identification	Part No.
3 amps	Purple	<b>CFB403A3</b>
4 amps	Pink	<b>CFB404A3</b>
5 amps	Orange	<b>CFB405A3</b>
7.5 amps	Brown	<b>CFB407A3</b>
10 amps	Red	<b>CFB410A3</b>
15 amps	Blue	<b>CFB415A3</b>
20 amps	Yellow	<b>CFB420A3</b>
25 amps	White	<b>CFB425A3</b>
30 amps	Green	<b>CFB430A3</b>
40 amps	Amber	<b>CFB440A3</b>



**BOX OF BLADE FUSES**  
(Left) A selection of blade type fuses packed in a plastic box, with clear lid, containing 40 off each: 5, 7.5, 10, 15, 20, 25, 30 amp fuses, 5 off blade fuse holders. (Enables you to make a blade fuse into an in-line fuse)  
**080.407**



**SINGLE FUSEHOLDER**  
Takes a standard blade type fuse. These fuse holders link together side by side to any length you like, 3 to 60 amps  
**CAB390**



**MULTIPLE FUSEHOLDER**  
As on left: 4 Way for four blade fuses (shown)  
**080.079**  
**080.080** 6 Way for six blade fuses

## ALTERNATORS



### JAGUAR V12 ALTERNATOR - POWERLITE

Our unique **RAC687** alternator is a straight swap "plug and play" upgrade for the original Butec unit. Beautifully engineered by **Powerlite**, it has a built-in regulator, charges at 150 amps, and will fit the same fixing brackets as the original.

Applications:  
Daimler 2.5 V8 / V8 250  
E-Type S3 2+2  
Mk II / Mk 2 2.4 & 240  
Daimler Sovereign S1  
Mk I / Mk 1 3.4  
XJ6 S1

150 amp Internal regulator, 7.75 kilos—over 1 kilo lighter than the original unit! 100% Made in the UK and a 3-year warranty

**081.192**



### 12 VOLT ALTERNATOR

Lightweight alternator weighing only 2.8 kilos with a power rating of 45 amps, with multi-drilled fixing plate which allows you to manoeuvre the unit into any position on the block giving total flexibility in fitting. Diameter of alternator body is approximately 120mm and the length also 120mm. Supplied with a standard V pulley fitted and instructions

**081.190**



### LUCAS TYPE MULTI-MOUNT ALTERNATOR

12V Negative Earth. A replacement alternator designed to be a direct replacement for many of the popular LUCAS type units, including models ACR and A127, as fitted to many British classic cars. This unit features a multi position mounting plate to allow both left and right hand fitting. The unit weighs approximately 3.2 kgs and is rated at 50 Amps. An aluminium pulley is supplied already fitted and full wiring instructions are provided

**081.191**



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### POWERLITE PERFORMANCE

Universal with two "offset" fixing lugs. Compact, lightweight, high output alternator, suitable for race engines where space is a premium. Built to withstand vibration and engine harmonics, this unit will deliver maximum performance with a minimum efficiency. Universal 40 Amp Lightweight Alternator

081.1012



### POWERLITE PERFORMANCE

Heavy-duty replacement for the original LUCAS 11AC alternator with a right hand mounting. This brand new unit produces 80 amps and has a built-in regulator

**SPECIFICATION**  
Amps: 80 A  
Shaft diameter: 17 mm  
Voltage: 12 V  
Suitable for **Jaguar E Type, XJ6**  
081.1003



### POWERLITE PERFORMANCE

Suitable for **Aston Martin DB2 to DB6**

**SPECIFICATION**  
Amps: 90 A  
Shaft diameter: 17 mm  
Voltage: 12 V  
Weight: 5.80 kg  
Wiring configuration: STUD TYPE  
Powerlite RAC061  
081.296



### POWERLITE PERFORMANCE

Suitable for **Aston Martin V8**

**SPECIFICATION**  
Amps: 100 A  
Shaft diameter: 17 mm  
Voltage: 12 V  
Wiring configuration: STUD TYPE  
Powerlite RAC062  
081.297



### LUCAS 18ACR ALTERNATOR 34 AMPS

081.1016



### LUCAS ALTERNATOR ASSEMBLY 70 AMP

54021081



### LUCAS UPGRADED ALTERNATOR JAGUAR E-TYPE

081.1088



### POWERLITE PERFORMANCE

LUCAS duplicate, multi-mount alternator RAC068. Designed by us to the exact pattern and size of a traditional LUCAS ACR-type alternator. Can be mounted on either side of an engine. A complete kit to convert from original Dynamo to race-proven alternator RAC068 for A Series includes an alternator, brackets, fixings, and fan belt. Suitable for **Ford BDA, Pinto, X-Flow** including A-series engines such as A + B series BMC and BL types and Rover V8

**SPECIFICATION**  
Amps: 50 A  
Shaft diameter: 15 mm  
Voltage: 12 V  
Weight: 3.00 kg  
Wiring configuration: RAC902  
Powerlite RAC068KIT  
081.299



### POWERLITE LUCAS A127 PERFORMANCE ALTERNATOR

RAC058 Performance Alternator LUCAS A127 70 amp Ford type left hand fixing. Heavy duty alternator used in many applications. Versatile and easy to fit.

A127 type alternator. 70 Amp l/h fixing, Supplied with fan & pulley and spacers

081.1014



### 2 PIN ADAPTOR PLUG FOR ABOVE ALTERNATORS

This is the correct plug for use with above alternators. Build this into your wiring loom to make connecting the alternator easier

081.292



### CONNECTOR PLUG FOR 3 PIN ALTERNATORS

081.294



### LUCAS TYPE ADAPTOR FOR ABOVE ALTERNATORS

This adaptor will allow you to replace an existing LUCAS alternator with the above type without making any modification to the existing wiring loom

081.293



### LUCAS TYPE ADAPTOR FOR 3-WIRE ALTERNATORS

This adaptor will allow you to replace an existing LUCAS alternator with a 3-wire replacement without making any modification to the existing LUCAS style wiring loom

081.295



### POWERLITE PERFORMANCE

Fits **Jaguar 3.8 MKII** 50 amp alternator and fitting kit. Jaguar alternator to replace LUCAS 11 AC type unit in 50 amps. High output, durable alternator specially designed for **Jaguar 3.8 MK II**

**SPECIFICATION**  
Amps 50 A  
Shaft diameter 17 mm  
Voltage 12 V  
Weight 1.90 kg  
Wiring configuration STUD TYPE  
081.1000



### POWERLITE PERFORMANCE

Fits **Jaguar MKII** 75 amp alternator and fitting kit. Jaguar alternator to replace LUCAS 11 AC type unit in 75 amps. High output, durable alternator specially designed for **Jaguar 3.8 MK II**

**SPECIFICATION**  
Amps 75 A  
Shaft diameter 17 mm  
Voltage 12 V  
Weight 1.90 kg  
Wiring configuration STUD TYPE  
081.1001



### POWERLITE PERFORMANCE

Heavy-duty replacement for the original LUCAS 11AC alternator with a left hand mounting. This brand new unit produces 80 amps and has a built-in regulator.

**SPECIFICATION**  
Amps: 80 A  
Shaft diameter: 17 mm  
Voltage: 12 V  
Weight: 4.70 kg  
081.1002



### POWERLITE PERFORMANCE

Heavy-duty replacement for the original LUCAS 11AC alternator with a left hand mounting. This brand new unit produces 80 amps and has a built-in regulator. Suitable for **Jaguar E Type, XJ6**

**SPECIFICATION**  
Amps: 80 A  
Shaft diameter: 17 mm  
Voltage: 12 V  
Weight: 4.70 kg  
Powerlite RAC683  
081.1004



### POWERLITE PERFORMANCE ALTERNATOR

LUCAS duplicate, multi-mount alternator. This compact alternator has been designed by us to the exact pattern and size of a traditional LUCAS ACR-type alternator. With an easily adjustable adaptor plate, the alternator can be mounted on either side of an engine. Suitable for **Ford BDA, Pinto, X-Flow** including A-series engines such as A + B series BMC and BL types and Rover V8. Compact, lightweight, high output alternator, suitable for race engines where space is a premium. Built to withstand vibration and engine harmonics, this unit will deliver maximum performance with a minimum efficiency

**SPECIFICATION**  
AMPS: 50 A  
Shaft diameter: 15 MM  
Voltage: 12 V  
Weight: 3.00 KG  
Wiring : RAC902  
Powerlite RAC068  
081.298



**LUCAS BRUSH SET**  
Dynamo brush set to fit C39  
USB103



**LUCAS BRUSH SET**  
Dynamo brush set to fit C42  
USB101



**LUCAS BRUSH SET**  
Dynamo brush set to fit C40  
USB104



**LUCAS BRUSH SET**  
Starter motor brush set to fit M418G  
TAB127



**LUCAS BRUSH SET**  
Wiper motor brush set to fit LUCAS DR3, DR3A, DR2, DL2 and 6W  
729367



**LUCAS BRUSH SET**  
Starter motor brush set to fit MGBV8  
TAB113



**LUCAS BRUSH SET**  
Starter motor brush set to fit M35J  
TAB117



**LUCAS BRUSH SET**  
Starter motor brush set to fit 2M100/3M100  
TAB116



**LUCAS BRUSH SET**  
Starter motor brush set to fit M35G  
TAB128



**LUCAS BRUSH SET**  
Starter motor brush set to fit 2M100  
TAB124

Strong, powerful, offset gear-reduced starter motor, delivering huge cranking torque through a set of steel internal gears.  
 Lightweight, compact, and durable this unit starts the engine faster with immense power, whilst drawing less current from the battery.  
**These LUCAS Starter Motors come with a 5 Year Warranty**



LUCAS CLASSIC STARTER MOTORS			
Make	Fits	Notes	Part No.
LUCAS High Torque Starter Motor	Ferari 308		081.1076
LUCAS High Torque Starter Motor	Ford Model A (12v)		081.1077
LUCAS High Torque Starter Motor	VW Transporter		081.1073
LUCAS High Torque Starter Motor	Classic Mini 850-1275cc 1959-1982	9 Tooth Gear replacing inertia type	081.1060
LUCAS High Torque Starter Motor	Classic Mini	11 Tooth Gear replacing pre-engaged type	081.1061
LUCAS High Torque Starter Motor	MG Midget 1500	9 Tooth Gear	081.1059
LUCAS High Torque Starter Motor	MGB Pre-engaged MGC Pre-engaged. Replaces pre-engaged starter only. (Identified by the built-in solenoid)	10 Tooth Gear	081.1050
LUCAS Slimline Starter Motor	Jaguar 4.2 straight 6	9 Tooth Gear Negative earth only	081.1067
LUCAS Slimline Starter Motor	Mini 1964-80, Elan S4	9 Tooth Gear Negative earth only to replace 4.5 inch inertia types Multi-drilled plate	081.1065
LUCAS Slimline Starter Motor	Sprites, Midgets, Minor, Spitfire, Triumph TR6	9 Tooth Gear Negative earth only to replace 5 inch inertia types Multi-drilled plate	081.1064
LUCAS Slimline Starter Motor	MGB, MGC originally fitted with pre-engaged motors	10 Tooth Gear Negative earth only	081.1069
LUCAS Slimline Starter Motor	Porsche 911		081.1087
LUCAS High Torque Starter Motor	Triumph Spitfire 1500 from engine no FM93158 and fuel pump THC341	9 Tooth Gear	081.1063
LUCAS High Torque Starter Motor	Alfa Romeo Spider	8 Tooth Pinion	081.1072
LUCAS High Torque Starter Motor	Alfa Romeo Spider	9 Tooth Pinion	081.1071
LUCAS High Torque Starter Motor	Aston Martin DB1 to DB6, and Riley 2.5 (1950-52)	10 Tooth Gear	081.1045
LUCAS High Torque Starter Motor	Austin Healey 100, and 3000, BN1 to BJ8	10 Tooth Gear Multi-drilled plate	081.1052
LUCAS High Torque Starter Motor	To fit Austin Healey 100, and 3000, BN1 to BJ8		081.1036
LUCAS High Torque Starter Motor	Ferrari 246 Dino 206, 328 and Lancia Stratos		081.1074
LUCAS High Torque Starter Motor	Jaguar E Type 3.8, MkII, S Type 2.4,3.4. MG TB, TC	93 tooth ring gear 37.5 mm pinion Multi-drilled plate	081.1038
LUCAS High Torque Starter Motor	Jaguar E Type 4.2 Straight 6	9 Tooth Gear 29 mm pinion	081.1046
LUCAS High Torque Starter Motor	Jaguar Mk II and XK150 Automatic	9 Tooth Gear	081.1058
LUCAS High Torque Starter Motor	Jaguar XK120, 140, and 150 models		081.1035
LUCAS High Torque Starter Motor	MGA, early MGB, MGTD / TF (with 120 teeth ring gear), Bristol 6 cyl, Sunbeam Alpine, and Triumph Herald	9 Tooth Gear	081.1044
LUCAS High Torque Starter Motor	MGB		081.1041
LUCAS High Torque Starter Motor	Jaguar V12 with 25mm pinion	9 Tooth Gear Engine no #7S7001	081.1055
LUCAS High Torque Starter Motor	Jaguar XJ6 (2.8 and 4.2) 4.2 Straight 6 (but not E type). Small 29mm pinion.	9 Tooth Gear	081.1042

LUCAS CLASSIC STARTER MOTORS			
Make	Fits	Notes	Part No.
LUCAS High Torque Starter Motor	MG Midget, Healey Sprite, Austin A30, 35, 40, Morris 1000, etc 'A' series inline	9 Tooth Gear	081.1039
LUCAS High Torque Starter Motor	Porsche 356 (12v)		081.1083
LUCAS High Torque Starter Motor	Porsche 911, 912, 914, 930, 959		081.1080
LUCAS High Torque Starter Motor	Porsche 911 with G50 gearbox		081.1081
LUCAS High Torque Starter Motor	Porsche 924 2.0 normally aspirated engine		081.1079
LUCAS High Torque Starter Motor	Porsche 924 2.0 Turbo, 924 2.5S and 944		081.1078
LUCAS High Torque Starter Motor	Porsche 928 4.5, 4.7, 5.0, 5.4		081.1082
LUCAS High Torque Starter Motor	Rover V8	9 Tooth Gear	081.1053
LUCAS High Torque Starter Motor	Triumph Dolomite Sprint, TR7	9 Tooth Gear	081.1057
LUCAS High Torque Starter Motor	GT6 - MK 1, Triumph GT6 - MK 2, Triumph GT6 - MK 3, Triumph TR2, 3,,4, 4A, fitted with the TR6 Ring Gear		081.1049
LUCAS High Torque Starter Motor	Triumph Stag 9	9 Tooth Gear Fits manual and automatic cars Fitted with cold start terminal	081.1054
LUCAS High Torque Starter Motor	Triumph TR2 Triumph TR3 Triumph TR3A Early	Pre "Bolt On" Ring Gear	081.1037
LUCAS High Torque Starter Motor	Triumph TR3A Triumph TR4 Triumph TR4A with bolt on ring gear		081.1040
LUCAS High Torque Starter Motor	To fit Triumph TR250, Triumph TR5, Triumph TR6, and TVR's fitted with the Triumph 6 Cylinder Engine		081.1048
LUCAS High Torque Starter Motor	Jaguar V12 with 29mm pinion	9 Tooth Gear	081.1056
LUCAS High Torque Starter Motor	Volvo B18, B20, B30		081.1075
LUCAS High Torque Starter Motor	VW Beetle & T2 Transporter		081.1084
LUCAS High Torque Starter Motor	VW Beetle 12v		081.1085
LUCAS High Torque Starter Motor	Jaguar E Type 3.8, MkII, S Type 2.4,3.4. MG TB, TC with 93 tooth ring gear. 37.5 mm pinion	multi-drilled plate	081.1043
LUCAS High Torque Starter Motor	Jaguar E Type 4.2 Straight 6 (29mm pinion)	9 Tooth Gear multi-drilled plate	081.1047
LUCAS High Torque Starter Motor	MGB Pre-engaged MGC Pre-engaged. Replaces pre engaged starter only. (Identified by the built in solenoid)	multi-drilled plate	081.1051
LUCAS Slimline Starter Motor	Classic Mini with verto flywheel	11 Tooth Gear multi-drilled plate	081.1066
LUCAS Slimline Starter Motor	Austin Healey 100, 100-6, 3000	10 Tooth Gear multi-drilled plate Negative earth only	081.1068
LUCAS High Torque Starter Motor	Classic Mini pre-engaged type with verto flywheel	11 Tooth Gear only 2.4 kilos!	081.1062

LIGHTING  
 SWITCHES  
 IGNITION  
**WIRING**  
 HEATERS & ELECTRIC FANS  
 ACCESSORIES  
 BODY HARDWARE  
 BRAKES & SUSPENSION  
 CLUTCH KITS  
 EXHAUSTS  
 FIXINGS  
 FUEL SYSTEMS & FILTERS  
 GAUGES  
 MIRRORS  
 POWER STEERING  
 SEATS & SEAT BELTS  
 WASHERS & WIPERS  
 OIL & AIR FILTERS  
 CARE & STORAGE  
 OIL, GREASE & FLUIDS  
 PAINT & ANTI-RUST  
 TOOLS

LIGHTING  
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**WIRING**  
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 TOOLS




LUCAS replacement dynamos, look like a dynamo, but have the workings of an alternator.

Built in the UK, the units deliver the performance of a modern alternator whilst retaining the period look of a dynamo.

**These LUCAS Dynamos come with a Lifetime Warranty**




Users of classic cars nowadays want to fit more and more electrical and electronic equipment, radios, CD players, spot lamps and heaters and reach the point where the original dynamo with its output of about 20 amps can't keep up. If you are running with the lights, wipers, heater etc. on it is probable that your LUCAS dynamo is struggling to keep the battery properly charged for the next time you want to start the engine. Modern cars overcome this by using an alternator to meet the larger electrical demand. The Dynalite is such an alternator which will give 80% more power (about 40 amps) than a dynamo and the remarkable thing is that it LOOKS JUST LIKE AN ORIGINAL LUCAS DYNAMO thus maintaining the original under bonnet appearance. It even uses original LUCAS end castings. It comes with full instructions for fitting, which may involve simple machining to make your pulley fit, and full wiring instructions which are quite simple or you can buy a new Control Box. Dynalites are polarity conscious as indicated below:


LUCAS CLASSIC DYNAMOS				
	Make	Model	Notes	Part No.
	LUCAS C40 Dynalite	Dynamo to Alternator Conversion	Negative Earth	<b>081.1017</b>
	LUCAS C40 Dynalite	Dynamo to Alternator Conversion	Positive Earth	<b>081.1034</b>
	LUCAS C40 Dynalite	Dynamo to Alternator Conversion	Positive Earth	<b>081.1019</b>
	LUCAS C42 Dynalite		Negative Earth	<b>081.1020</b>
	LUCAS C42 Dynalite		Positive Earth	<b>081.1022</b>
	LUCAS C42 Dynalite	With power steering type bracket	Negative Earth	<b>081.1021</b>
	LUCAS C45 Dynalite		Negative Earth	<b>081.1023</b>
	LUCAS C45 Dynalite		Positive Earth	<b>081.1024</b>

Replacement for:	Part No.
Dynalite replacement for LUCAS C39/C40 Dynamo Negative Earth	<b>081.200</b>
Dynalite replacement for LUCAS C39 Dynamo Tacho Drive - Earth	<b>081.223</b>
Dynalite replacement for LUCAS C40 Dynamo Positive Earth	<b>081.210</b>
Dynalite replacement for LUCAS C40L Dynamo Negative Earth	<b>081.201</b>
Dynalite replacement for LUCAS C40L Dynamo Positive Earth	<b>081.211</b>
Dynalite replacement for LUCAS C40T Dynamo Negative Earth	<b>081.205</b>
Dynalite replacement for LUCAS C40T Dynamo Positive Earth	<b>081.215</b>
Dynalite replacement for LUCAS C42 Dynamo Negative Earth	<b>081.202</b>
Dynalite replacement for LUCAS C42 Dynamo Positive Earth	<b>081.212</b>
Dynalite replacement for LUCAS C45 Dynamo Negative Earth	<b>081.203</b>
Dynalite Hi Power 60 amp replacement for LUCAS C45 Dynamo Negative Earth	<b>081.204</b>
Dynalite replacement for LUCAS C45 Dynamo Positive Earth	<b>081.207</b>
Powerlite Porsche 356 12 volt type Dynalite	<b>081.1089</b>
LUCAS C40T Dynalite With Straight Connection	<b>081.1018</b>


## LUCAS CLASSIC ACCESSORIES




**FAN AND PULLEY FOR STANDARD BELT**  
081.1029




**FAN AND PULLEY FOR STANDARD BELT**  
081.1028




**LUCAS FAN TO FIT C40 & C42**  
081.1033




**SPECIAL LUCAS FAN**  
081.1026




**PULLEY FOR B PROFILE BELT**  
081.1027




**PULLEY FOR STANDARD BELT**  
081.1030



**PULLEY FOR STANDARD BELT**  
081.1031



**PULLEY FOR STANDARD BELT**  
081.1032



**SINGLE GROOVE 60MM PULLEY**  
Lightweight aluminium, 15mm shaft. Suitable for an "A" Section belt. Fits C40 / C42 LUCAS type Dynalites  
081.1025

### THE BEST DYNALITES AND STARTER MOTORS FOR YOUR CLASSIC CAR



<https://youtu.be/bcvOIX6-PVg>

If you are looking for any practical advice, we have a large number of instructional videos on YouTube. (The video above explains the must have classic car upgrades to help you through the torrid winter months. Tips on uprated dynalites and starter motors)

- LIGHTING
- SWITCHES
- IGNITION
- WIRING**
- HEATERS & ELECTRIC FANS
- ACCESSORIES
- BODY HARDWARE
- BRAKES & SUSPENSION
- CLUTCH KITS
- EXHAUSTS
- FIXINGS
- FUEL SYSTEMS & FILTERS
- GAUGES
- MIRRORS
- POWER STEERING
- SEATS & SEAT BELTS
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- OIL & AIR FILTERS
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- OIL, GREASE & FLUIDS
- PAINT & ANTI-RUST
- TOOLS

- LIGHTING
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## CONNECTION BOXES ETC. FOR DYNALITES

When replacing your LUCAS dynamo with a Dynalite you might also like to consider removing your original control box and fitting one of these which is prewired to suit the Dynalite and at the same time ensuring that the dynamo warning light on your dash continues to function normally



### DUMMY RB340 CONTROL BOX FOR DYNALITES

Dynalites - the alternator that looks like a dynamo - has a built in regulator. There are two alternatives in respect of the 'old' control box: 1) Remove your old control box and wire the Dynalite in accordance with the instructions provided or 2) Remove the old control box and fit this dummy box which

is prewired to suit the Dynalite and allows all the wires to be reconnected in accordance with the wiring instructions below. It also ensures that the 'dynamo' warning light on your dash continues to function normally. This dummy box, which is based on the LUCAS RB340 type Control Box, contains a fuse to protect your wiring loom  
**080.975**



**SCREW FITTING CONTROL BOX**  
Replacing RF95  
**080.970**



**SCREW FITTING CONTROL BOX**  
Replacing RB106  
**080.971**



**LUCAR FITTING CONTROL BOX**  
Replacing RB106  
**080.972**



### FUSES

Replacement 40 amp fuse for control boxes 080.970 and 080.975 (shown)

**080.974**

Replacement 40 amp fuse for control boxes 080.971 and 080.972

**080.973**



081.218

081.220

### PULLEYS & FANS

Smaller pulleys to run your Dynalite faster for maximum output (aluminium)

- |                |                        |                |  |
|----------------|------------------------|----------------|--|
| <b>081.218</b> | Narrow for C39/40/42   | <b>081.220</b> | For C45 with Fan Narrow  |
| <b>081.221</b> | Wide for C39/40/42     | <b>081.224</b> | For C45 with Fan Wide  |
| <b>081.225</b> | Double V for C39/40/42 | <b>081.217</b> | Fan for C39/40/42 Dynalites and Pulleys, goes behind pulley 15mm shaft size. Black enamelled steel |
| <b>081.219</b> | For C45 17mm           |                |  |

## POWERLITE STARTER MOTORS

The Company that makes the Dynalites has developed replacements for many original LUCAS starters. Their approach has been slightly different in that they sought to offer something much better than the original. The result is a high performance geared motor which positively engages the pinion into the flywheel electrically and produces a huge increase in cranking power to start the engine under all conditions, even with a higher compression ratio. In addition the gearing means it draws less current. It uses aluminium castings and is beautifully made. In developing starter motors for individual applications special attention has been paid to make them easier to install. They are much lighter than the originals



Make & Model	Part No.
Replaces LUCAS LRS100 (3 hole inertia starter)	<b>081.320</b>
Replaces LUCAS LRS101 (5 in inertia starter)	<b>081.321</b>
Replaces LUCAS LRS102 (4.5 in inertia starter)	<b>081.322</b>
Aston Martin DB1, DB2, DB3, DB4, DB5 and DB6	<b>081.252</b>
Aston Martin V8	<b>081.266</b>
Austin 1100/1300/Allegro 1100/1300/1500	<b>081.322</b>
Austin A30, A35, A40 Farina	<b>081.253</b>
Austin Healey 100/4, 100/6, 3000	<b>081.267</b>
Austin Healey Sprite (all models)	<b>081.253</b>

Make & Model	Part No.
Bentley T1/T2	<b>081.268</b>
Bentley T1/T2	<b>081.268</b>
Bentley S2/S3 V8 engine	<b>081.269</b>
Chrysler V8	<b>081.266</b>
Daimler SP250 Dart with 29mm pinion	<b>081.323</b>
Ford Cortina 1.3 and 1.6 litre	<b>081.320</b>
Ford Essex V4 and V6	<b>081.282</b>
Ford Kent Pre-Crossflow & Crossflow Engines	<b>081.277</b>

Make & Model	Part No.
Ford Pinto OHC (EAO)	<b>081.279</b>
Jaguar XK120, XK140 & XK150 with manual gearbox, 3.4 or 3.8 litres	<b>081.254</b>
Jaguar E Type 3.8 & 4.2 litre, 29mm pinion	<b>081.256</b>
Jaguar 4.2 litre Straight 6, XJ 3.4 and 4.2 litre	<b>081.270</b>
Jaguar with 37.5mm pinion, 240/340/E Type 3.8, Mk II 2.4/3.4/3.8 litre	<b>081.255</b>
Jaguar V12 with 9 tooth 29mm pinion	<b>081.323</b>
Jensen V8	<b>081.266</b>
Land Rover 2.3 & 2.5 litre diesel (non turbo)	<b>081.283</b>
Land Rover 2.25 & 2.6 litre petrol	<b>081.257</b>
Land Rover/Range Rover All V8 engines	<b>081.262</b>
Lotus Elan S1/2/3/+2/Sprint	<b>081.258</b>
MG TD/TF, MGA & MGB up to 1968 (replaces inertia type)	<b>081.260</b>
MG Midget 948/1098/1275	<b>081.253</b>
MG Midget 1500 1975-1980	<b>081.259</b>
MG Midget 1275/1500 Slimline starter	<b>081.321</b>
MGB Chrome Bumper 1968-75 (replaces pre-engaged type)	<b>081.271</b>
MGB All Rover V8 engines	<b>081.262</b>
MGB 1968 on & MGC (replaces pre-engaged type)	<b>081.261</b>
Mini 850/1000/1275	<b>081.322</b>
Mini replaces pre-engaged starter, 11 teeth	<b>081.273</b>
Mini replaces inertia type starter	<b>081.272</b>
Morgan All Rover V8 engines	<b>081.262</b>
Morgan Plus Four (Pinto engine)	<b>081.279</b>
Morris Minor	<b>081.253</b>
Reliant Fox/Kitten 850/Rialto 850	<b>081.321</b>
Riley RMF	<b>081.252</b>
Rolls-Royce Silver Shadow I/II	<b>081.268</b>
Rolls-Royce Silver Cloud II/III V8 engine	<b>081.269</b>
Rover A Series	<b>081.253</b>
Sunbeam 1300	<b>081.321</b>
Sunbeam Alpine	<b>081.260</b>

Make & Model	Part No.
Triumph Dolomite 1300/1500/Spitfire 1300/1500/ Toledo/2000/TR6	<b>081.321</b>
Triumph Dolomite Sprint	<b>081.274</b>
Triumph GT6	<b>081.265</b>
Triumph Stag	<b>081.276</b>
Triumph TR2/TR3/TR3A/TR4/TR4A with TR6 bolt on ring gear	<b>081.265</b>
Triumph TR3A/TR4/TR4A	<b>081.264</b>
Triumph TR5/TR6	<b>081.275</b>
Triumph TR7	<b>081.274</b>
Triumph TR8	<b>081.262</b>
TVR Ford Crossflow engine	<b>081.277</b>
TVR Triumph TR6 engine	<b>081.275</b>
TVR Ford Essex V6 engine	<b>081.282</b>
TVR Rover V8 engine	<b>081.262</b>
Austin 7 replacing engine side mounted original starter motor	<b>081.1090</b>
Austin 7 replacing engine side mounted original starter motor	<b>081.1091</b>
Porsche 356 (12 volt version)	<b>081.1092</b>
Austin "Big" Healey, 100/4, 100/6, 3000, (RAC198)	<b>081.1005</b>
Jaguar Mk II and XK150 Automatic, (RAC408)	<b>081.1006</b>
Lotus Cortina / Morgan X flow, Pre X flow fits 110t ring gear (RAC418)	<b>081.1008</b>
Triumph Spitfire 1500 from engine no.FM93158 with fuel pump THC3417 (RAC535)	<b>081.1009</b>
Triumph Dolomite Sprint, Triumph TR7 (RAC538, updated version of RAC406)	<b>081.1010</b>
Vauxhall Slant engine, Lotus Esprit, Excel, Elite, Eclat, Sunbeam (RAC415)	<b>081.1007</b>
MGB, MGC pre-engaged replacement	<b>081.1093</b>
Evergreen Classic Mini with the verto flywheel	<b>081.395</b>
MG Midget, MGA, MGB (early inertia type only) MGTD, MGTF, Bristol straight 6, Sunbeam Alpine, and Triumph Herald to name but a few	<b>081.398</b>
MGB	<b>081.397</b>
Austin Big Healey, 100, 3000 etc	<b>081.399</b>
Jaguar 2.4, 3.2, 3.4, 3.8, E Type, Mk II (37.5mm pinion)	<b>081.406</b>
Alvis TD21	<b>081.251</b>
Classic Mini - Inertia Type	<b>081.396</b>



### POWERLITE STARTER MOTOR CONNECTOR

For Powerlites that have a built-in solenoid connected to the ignition key or starter button on your car. The connector is on the side of the starter and is a 6.4mm Lucar terminal. You can connect to this using a standard Straight Lucar Connector 080.325. However, a better way is to use this Part No. You crimp/ solder the connector to the wire and slide it into the cover. (You push the connector into the end opposite to the clip). The resulting assembly is easier to fit into the receptacle on the starter motor and also has a clip which holds it securely in place  
**081.289**



### POWERLITE STARTER MOTOR ADAPTOR

Allows the main feed terminal to be turned through 90 degrees to allow for a more convenient cable run  
**081.290**



### POWERLITE COLD START DIODE

For use where there is an extra wire on your old starter motor solenoid to provide a cold start 'boost' to the coil  
**081.291**



Many British designed vehicles use colour coded cables to assist in identifying the various circuits in use. Please see our guide below for the British wire colour guide.

To see the full range of wire that we stock please see pages 119-120 or visit our website.

COLOUR		PURPOSE	PART NO.
MAIN	TRACER		
Black		All earth connections	
Black	Brown	Tachometer generator to tachometer	
Black	Blue	Tachometer generator to tachometer	<b>080.457</b>
Black	Red	Electric or electronic speedometer to sensor	<b>080.459</b>
Black	Purple	Temperature switch to warning light	
Black	Green	Relay to radiator fan motor	<b>080.458</b>
Black	Light Green	Vacuum brake switch or brake differential pressure valve to warning light and/or buzzer	
Black	White	Brake fluid level warning light to switch and handbrake switch; or radio to speakers	
Black	Yellow	Electric speedometer	<b>080.162</b>
Black	Orange	Radiator fan motor to thermal switch	
Blue		Lighting switch (head) to dip switch	<b>080.161</b>
Blue	Brown	Headlamp relay to headlamp fuse	<b>080.635</b>
Blue	Red	Dip switch to headlamp dip beam fuse. Fuse to right-hand dip headlamp	<b>080.163</b>
Blue	Light Green	Headlamp wiper motor to headlamp wash pump motor	
Blue	White	a) Dip switch to headlamp main beam fuse b) Headlamp flasher to main beam fuse c) Dip switch main beam warning light  d) Dip switch to long-range driving light switch	<b>080.164</b>
Blue	Yellow	Long-range driving light switch to lamp	<b>080.637</b>
Blue	Black	Fuse to right-hand main headlamp	<b>080.634</b>
Blue	Pink	Fuse to left-hand dip headlamp	
Blue	Slate	Headlamp main beam fuse to left-hand headlamp or inboard headlamps when independently fused	
Blue	Orange	Fuse to right-hand dip headlamp Wiper (brake winding)	
Brown		Main battery feed	<b>080.431</b>
Brown	Blue	Control box (compensated voltage control only) to ignition and lighting switch (feed)	<b>080.187</b>
Brown	Red	Compression ignition starting aid to switch. Main battery feed to double pole ignition switch	<b>080.692</b>
Brown	Purple	Alternator regulator feed	
Brown	Green	Dynamo 'F' to control box 'F'. Alternator field 'F' to control box 'F'	<b>080.691</b>
Brown	White	Ammeter to control box. Ammeter to main alternator terminal	<b>080.315</b>
Brown	Yellow	Alternator to 'no charge' warning light	<b>080.694</b>
Brown	Black	Alternator battery sensing lead	<b>080.690</b>
Brown	Slate	Starter relay contact to starter solenoid	
Brown	Orange	Fuel shut-off (diesel stop) Beacon lamp switch	
Green		Accessories fused via ignition switch	<b>080.175</b>
Green	Brown	Switch to reverse lamp	<b>080.166</b>
Green	Blue	Water temperature gauge to temperature unit	<b>080.695</b>
Green	Red	Direction indicator switch to left-hand flasher lamps	<b>080.169</b>
Green	Purple	Stop lamp switch to stop lamps; or stop lamp switch to lamp failure unit	<b>080.168</b>
Green	Light Green	Hazard flasher unit to hazard pilot lamp; or lamp failure unit to stop lamp bulbs	

COLOUR		PURPOSE	PART NO.
MAIN	TRACER		
Green	White	Direction indicator switch to right-hand flasher lamps	<b>080.170</b>
Green	Yellow	Heater motor to switch single speed (or to 'slow' on two or three-speed motor)	<b>080.696</b>
Green	Black	Fuel gauge to fuel tank unit or changeover switch or voltage stabilizer to tank units	<b>080.165</b>
Green	Pink	Fuse to flasher unit	
Green	Slate	a) Heater motor to switch ('fast' on two or three-speed motor) b) Coolant level unit to warning light	
Green	Orange	Low fuel level switch to warning light	
Light green		<b>Instrument voltage stabilizer to instruments</b>	<b>080.448</b>
Light green	Brown	Flasher switch to flasher unit	
Light green	Blue	a) Flasher switch to left-hand flasher warning light b) Coolant level sensor to control unit c) Test switch to coolant level control unit	
Light green	Red	Fuel tank changeover switch to right-hand tank unit; or entry and exit door closed switch to door actuator	
Light green	Purple	Flasher unit to flasher warning light	
Light green	Green	Start inhibitor relay to change speed switch; or switch to heater blower motor second speed on three-speed unit	
Light green	White	Low air pressure switch to buzzer and warning light	
Light green	Yellow	Flasher switch to right-hand warning light; or differential lock switch, to differential lock warning light	
Light green	Black	Front screen jet switch to screen jet motor	
Light green	Pink	Hazard flasher unit to hazard switch	
Light green	Slate	Fuel tank changeover switch to left-hand tank unit; or entry and exit door open switch to door actuator	
Light green	Orange	Rear window wash switch to wash pump; or cab lock-down switch to warning light	
Orange		<b>Wiper circuits fused via ignition switch</b>	<b>080.446</b>
Orange	Blue	Switch to front screen wiper motor first speed, timer or intermittent unit	
Orange	Green	Switch to front screen wiper motor second speed	
Orange	Black	Switch to front screen wiper motor parking circuit, timer or intermittent unit	
Orange	Purple	Timer or intermittent unit to motor parking circuit	
Orange	White	Timer or intermittent unit to motor parking circuit	
Orange	Yellow	Switch to headlamp or rear window wiper motor feed, timer or relay coil	
Orange	Lt. Green	Switch to headlamp or rear window wiper motor parking circuit timer or relay coil	
Orange	Pink	Timer or relay to headlamp or rear window wiper motor feed	
Orange	Slate	Timer or relay to headlamp or rear window wiper motor parking circuit	
Pink / White		<b>Ballast terminal to ignition distributor</b>	

LIGHTING  
SWITCHES  
IGNITION  
**WIRING**  
HEATERS & ELECTRIC FANS  
ACCESSORIES  
BODY HARDWARE  
BRAKES & SUSPENSION  
CLUTCH KITS  
EXHAUSTS  
FIXINGS  
FUEL SYSTEMS & FILTERS  
GAUGES  
MIRRORS  
POWER STEERING  
SEATS & SEAT BELTS  
WASHERS & WIPERS  
OIL & AIR FILTERS  
CARE & STORAGE  
OIL, GREASE & FLUIDS  
PAINT & ANTI-RUST  
TOOLS

LIGHTING  
SWITCHES  
IGNITION  
**WIRING**  
HEATERS & ELECTRIC FANS  
ACCESSORIES  
BODY HARDWARE  
BRAKES & SUSPENSION  
CLUTCH KITS  
EXHAUSTS  
FIXINGS  
FUEL SYSTEMS & FILTERS  
GAUGES  
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TOOLS

LIGHTING  
SWITCHES  
IGNITION  
**WIRING**  
HEATERS & ELECTRIC FANS  
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BODY HARDWARE  
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LIGHTING  
SWITCHES  
IGNITION  
**WIRING**  
HEATERS & ELECTRIC FANS  
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WASHERS & WIPERS  
OIL & AIR FILTERS  
CARE & STORAGE  
OIL, GREASE & FLUIDS  
PAINT & ANTI-RUST  
TOOLS

COLOUR		PURPOSE
MAIN	TRACER	
Purple		Accessories fed direct from battery via fuse
Purple	Brown	Horn fuse to horn relay when horn is fused separately
Purple	Blue	Fuse to heated rear window relay or switch and warning light
Purple	Red	Switches to map light, under bonnet light, glove box light and boot lamp when fed direct from battery fuse
Purple	Green	Fuse to hazard flasher
Purple	Lt. Green	Fuse to relay for screen demist
Purple	White	Interior lights to switch (subsidiary circuit: door safety lights to switch)
Purple	Yellow	Horn to horn relay
Purple	Black	Horn to horn relay to horn push
Purple	Pink	Rear heated window to switch or relay
Purple	Slate	Aerial lift motor to switch up
Purple	Orange	Aerial lift motor to switch down
Red		<b>Main feed to all circuits mastered by sidelamp switch</b>
Red	Brown	Rear fog guard switch to lamps
Red	Blue	Front fog lamp fuse to fog lamp switch
Red	Purple	Switches to map light, under bonnet light, glove box light and boot lamp when sidelamp circuit fed
Red	Green	Bulb failure unit to right-hand side and rear lamps
Red	White	a) Sidelamp fuse to right-hand side and rear lamps b) Sidelamp fuse to panel light rheostat, panel light or map light c) Fuse to panel light switch or rheostat d) Fuse to fibre optic source
Red	Yellow	Fog lamp switch to fog lamp or front fog fuse to fog lamps
Red	Black	Left-hand, sidelamp fuse to side and tail lamps and number plate illumination
Red	Pink	Sidelamp fuse to lighting relay
Red	Slate	Lamp failure unit to left-hand side and tail lamps
Red	Orange	Fusebox to rear fog guard switch

COLOUR		PURPOSE
MAIN	TRACER	
Slate		Window lift main feed
White		Ignition switch or starter solenoid to ballast resistor
White	Brown	Oil pressure switch to warning light or gauge; or starter relay to oil pressure switch
White	Blue	Choke switch to choke solenoid (unfused) and/or choke to switch to warning light; or electronic ignition distributor to drive resistor
White	Red	Starter switch to starter solenoid or inhibitor switch or starter relay; or ignition (start position) to bulb failure unit
White	Purple	Fuel pump no 1 or right-hand to changeover switch
White	Green	Fuel pump no 2 or left-hand to changeover switch
White	Lt. Green	Start switch to starter interlock; or oil pressure switch to fuel pump; or start inhibitor switch to starter relay or solenoid
White	Yellow	Ballast resistor to coil; or starter solenoid to coil
White	Black	Ignition coil contact breaker to distributor contact breaker; or distributor side of coil to voltage impulse tachometer
White	Pink	Ignition switch to radio fuse
White	Slate	Current tachometer to ignition coil
White	Orange	Hazard warning feed to switch
Yellow		a) Overdrive b) Petrol injection c) Door locks d) Gear selector switch to start

It is important that correct wire sizes and connectors are used for linking together all the electrical equipment on your car. The wire size for any circuit is determined by a combination of factors, including the length of the wire, the current flowing and the permissible voltage drop. If the wire is too thin it can cause a serious voltage drop from one end of the wire to the other, together with overheating. To ensure reliability, it is most important that correctly rated wires are used for all circuits. When in doubt, always use a thicker wire size, especially for long runs.

WIRE 14/0.30 MM 8 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 1 SQUARE MM			
Colour	From	To	Part No.
Black	Earth connections	Chassis	080.160
Black	Earth connections	Chassis	080.178
Black/Yellow	Speedo pick up	Speedo	080.162
Black/Blue			080.457
Black/Green			080.458
Black/Red			080.459
Blue	Lighting switch	Dip switch	080.161
Blue/Red	Dip switch	Headlamp dip beam fuse	080.163
Blue/White	Dip switch	Headlamp main beam fuses	080.164
Blue/Black			080.634
Blue/Brown	Headlamp relay	Headlamp fuse	080.635
Blue/Green			080.636
Blue/Yellow	Driving lamp switch	Driving lamp	080.637
Brown			080.442
Brown/Black			080.690
Brown/Green			080.691
Brown/Red			080.692
Brown/White			080.693
Brown/Yellow			080.694
Green	Fusebox (via Ignition)	Accessories	080.175
Green/Black	Fuel tank sender unit	Fuel gauge	080.165
Green/Brown	Reverse lamp switch	Reverse lamp	080.166
Green/Purple	Stop lamp switch	Stop lamps	080.168
Green/Red	Flasher switch	Left hand flasher lamps	080.169
Green/White	Flasher switch	Right hand flasher lamps	080.170
Green/Blue			080.695
Green/Yellow			080.696
Red	Lighting switch	Sidelamps & numberplate	080.173
Red/White	Lighting switch	Map light/Instrument lighting/Panel light switch	080.174
Red/White	Panel light switch	Panel light	080.174
Red/Black			080.697
Red/Green			080.698
Red/Yellow			080.699
Purple			080.443
Purple/Green	Fusebox (battery feed)	Hazard flasher	080.172
Purple/Black			080.705
Purple/White			080.706
Yellow			080.167
Yellow/Green			080.177
Yellow/Black			080.707
Yellow/Blue			080.708
Yellow/White			080.709
White			080.444
White/Black			080.764
White/Blue			080.765
White/Brown			080.766
White/Green			080.767
White/Red			080.768
Grey			080.445
Orange			080.446
Pink			080.447
Light Green			080.448



To provide flexibility for motor vehicle applications the wires we offer have a number of thin strands rather than a single thicker strand. For example, 14/0.30 mm has 14 strands of wire, each strand 0.30 mm diameter. Wires are rated for their current carrying capacity, and colour coded for identification. Most British designed vehicles use colour coding in accordance with a British Standard, and in the table below we have included the coding based on the Standard. To obtain the best results, at each end of each wire the connector should be securely crimped or soldered to the wire conductor, and a protective sleeve should be used wherever possible. In the tables we list the more popular sizes of PVC insulated wire

WIRE 28/0.30 MM 17 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 2 SQUARE MM			
Colour	From	To	Part No.
Black	Earth connections	Chassis	080.180
Blue	Lighting switch	Dip switch	080.183
Blue/Red			080.184
Blue/White			080.185
Blue/Yellow	Driving light switch	Driving lights	080.186
Brown/Blue	Control box	Lighting switch	080.187
	Ignition switch	Control box	
Brown/Yellow	Dynamo	Control box	080.189
Green	Fusebox (via Ignition)	Wiper motor	080.190
Purple	Fusebox (battery feed)	Accessories	080.191
Purple/Black			080.192
Purple/Yellow	Horn relay	Horns	080.193
Red			080.194
White	Ignition switch	Petrol pump	080.201
White/Red			080.200

WIRE 44/0.30 MM 25 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 3 SQUARE MM			
Colour	From	To	Part No.
Black	Earth	Earth	080.312
Brown	Battery or Solenoid	Fuse box or Ammeter	080.313
Brown/White	Ammeter	Control box	080.315

WIRE 65/0.30 MM 35 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 4.5 SQUARE MM			
Colour	From	To	Part No.
Black	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.433
Brown	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.434
Red	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.435

WIRE 84/0.30 MM 42 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 6 SQUARE MM			
Colour	From	To	Part No.
Red	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.430
Brown	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.431

WIRE 80/0.40 MM 70 AMPS MAXIMUM NOMINAL CROSS SECTIONAL AREA 10 SQUARE MM			
Colour	From	To	Part No.
Red	Alternators/Dynalite	Battery or Starter Solenoid etc.	080.438

SPEAKER WIRE (TWIN)			
Size	Colour	Nominal Cross Section	Part No.
2 amps	Black & Black/White		080.716
6 amps	Black & Black/Red		080.717

PRE-INSULATED CONNECTORS

RED connectors are for use with 14/0.30mm wire, BLUE are for 28/0.30mm wire and YELLOW are for 44/0.30mm wire



BOX OF CONNECTORS FOR 14/0.30MM WIRE

- A selection of RED pre-insulated crimp type connectors packed in a plastic box, with clear lid
- a) 30 Male and 50 female 6.4mm blade connectors
  - b) 25 fully insulated female 6.4mm connectors
  - c) 40 'piggy back' 6.4mm connectors
  - d) 35 4.8mm and 30 2.8mm female connectors
  - e) 40 male and female bullet connectors
  - f) 50 5mm eyelets and 20 quick connectors

080.398



BOX OF CONNECTORS FOR 28/0.30MM WIRE

- A selection of BLUE pre-insulated crimp type connectors packed in a plastic box, with clear lid.
- a) 50 off each male and female 6.4mm blade connectors
  - b) 50 off each male and female bullet connectors
  - c) 20 off 8mm eyelets

080.397



BOX OF CONNECTORS FOR 14/0.30 & 28/0.30MM WIRE

- A selection of RED and BLUE pre-insulated crimp type connectors packed in a plastic box, with clear lid.
- a) 60 blue & 30 red 6.4mm male connectors
  - b) 10 Blue & 25 red fully insulated 6.4mm female connectors
  - c) 10 Blue 'piggy back' 6.4mm connectors
  - d) 5 4.8mm and 30 2.8mm red female connectors
  - e) 10 male and 35 female bullet connectors
  - f) 10 6mm and 30 8mm blue eyelets
  - g) 30 red and 10 blue wire joiners and 5 blue quick connectors

080.399



BOX OF CONNECTORS FOR 44/0.30MM WIRE

- A selection of YELLOW pre-insulated crimp type connectors packed in a plastic box, with clear lid.
- a) 50 female 6.4mm connectors
  - b) 40 fully insulated 6.4mm female connectors
  - c) 40 female 9.5mm connectors
  - d) 40 male and 40 female bullet connectors
  - e) 40 wire joiners
  - f) 40 8.4mm and 40 10.5mm eyelets

080.402



BOX OF CONNECTORS FOR 14/0.50MM, 28/0.30MM AND 44/0.30MM WIRE

A selection of RED, BLUE and YELLOW pre-insulated crimp type connectors packed in a plastic box.

- a) Red female connectors for 2.8mm and 6.4mm Lucars,
- b) Red male 6.4mm Lucar connectors
- c) Red male and female bullets and connectors for joining wires
- d) Blue female for 6.4mm Lucars
- e) Blue male 6.4mm Lucar connectors
- f) Blue male and female bullets and connectors for joining wires
- g) Blue piggy-back for 9.5mm Lucars
- h) Yellow female connectors for 9.5mm Lucars
- i) Yellow connectors

080.409

CRIMPING TOOLS FOR PRE-INSULATED CONNECTORS

(Left) Crimps the three sizes of pre-insulated connectors (RED, BLUE and YELLOW), and ignition terminals, and cuts and strips six sizes of wire

090.003

(Right) A ratchet type for pre-insulated connectors where full crimping pressure must be applied before the connector can be released. Crimps three sizes of pre-insulated connectors (RED, BLUE and YELLOW). This is the tool for professionals and anyone requiring the best possible job

090.005



AUTOMATIC WIRE STRIPPER

Strips a variety of wire sizes. In a single action it holds the wire, cuts the covering and strips it. Brilliant!

090.032

LIGHTING  
SWITCHES  
IGNITION  
WIRING  
HEATERS & ELECTRIC FANS  
ACCESSORIES  
BODY HARDWARE  
BRAKES & SUSPENSION  
CLUTCH KITS  
EXHAUSTS  
FIXINGS  
FUEL SYSTEMS & FILTERS  
GAUGES  
MIRRORS  
POWER STEERING  
SEATS & SEAT BELTS  
WASHERS & WIPERS  
OIL & AIR FILTERS  
CARE & STORAGE  
OIL, GREASE & FLUIDS  
PAINT & ANTI-RUST  
TOOLS

LIGHTING  
SWITCHES  
IGNITION  
WIRING  
HEATERS & ELECTRIC FANS  
ACCESSORIES  
BODY HARDWARE  
BRAKES & SUSPENSION  
CLUTCH KITS  
EXHAUSTS  
FIXINGS  
FUEL SYSTEMS & FILTERS  
GAUGES  
MIRRORS  
POWER STEERING  
SEATS & SEAT BELTS  
WASHERS & WIPERS  
OIL & AIR FILTERS  
CARE & STORAGE  
OIL, GREASE & FLUIDS  
PAINT & ANTI-RUST  
TOOLS

## LUCAR TYPE UNINSULATED CONNECTORS 6.4MM (1/4")



**STRAIGHT CONNECTOR**  
With non-return tag. For wire size 0.65 to 1mm  
**080.415**



**STRAIGHT CONNECTOR**  
Male For wire size 0.5 to 2mm  
**080.412**



**STRAIGHT CONNECTOR**  
Male with non-return tag. For wire size 0.65 to 1mm  
**080.414**  
For wire size 1.0 to 2.5mm  
**080.411**



**STRAIGHT CONNECTOR**  
For wire size 1 to 2.5mm  
**080.325**  
Or supplied with clear cover  
**080.135**



**STRAIGHT CONNECTOR**  
With non-return tag. For wire size 1 to 2.5mm  
**080.326**



**CLEAR COVER**  
For straight connectors  
**080.324**



**STRAIGHT CONNECTOR**  
High Current For wire size 2.5 to 4mm  
**080.413**



**RIGHT ANGLED CONNECTOR**  
**080.144**  
Or supplied with clear cover  
**080.055**



**CLEAR COVER**  
for right angled connectors  
**080.145**



**CONNECTOR 1 BLADE**  
Centre hole 5mm diameter  
**080.423**



**CONNECTOR 1 BLADE**  
Centre hole 4.1mm diameter Quantity 6 x 50  
**080.424**



**PIGGY BACK CONNECTOR**  
Enables you to connect 1 feed to 2 wires using Lucar 6.4mm connectors  
**080.327**



**PIGGY BACK CONNECTOR**  
Enables you to connect 3 wires using Lucar 6.4mm connectors  
**080.360**



**STRAIGHT CONNECTOR**  
For wire size 14.0.30mm  
**080.361**



**CONNECTOR 2 BLADE**  
Joins two wires or makes a double earth connection. Centre hole 3.2mm diameter  
**080.328**

For wire size 28.0.30mm  
**080.362**

## LUCAR TYPE UNINSULATED CONNECTORS 9.5MM (3/8")



**STRAIGHT CONNECTOR**  
**080.329**



**STRAIGHT CONNECTOR**  
With non-return tag  
**080.359**



**CLEAR COVER**  
**080.969**



**STRAIGHT CONNECTOR AND CLEAR COVER**  
**080.329 + 080.969**  
**080.134**



**BOX OF BULLETS & CONNECTORS**  
Packed in a plastic box with a clear lid. 50 off each **080.264**, **080.266** and **080.267**, 25 off **080.260**, **080.261** & **080.263**. Ideal for storing these parts in your workshop so that you can find them easily when needed  
**080.396**

## BULLET TERMINALS & CONNECTORS



**BULLET TERMINAL FOR CRIMPING**  
For wire size 9/0.30 (5 amps)  
**080.265**



**BULLET TERMINAL FOR CRIMPING**  
For wire size 14/0.30 (8 amps)  
**080.266**



**BULLET TERMINAL FOR CRIMPING**  
For wire size 28/0.30 (17 amps)  
**080.267**



**BULLET TERMINAL FOR CRIMPING**  
For wire size 44/0.30 (27 amps)  
**080.268**



**BULLET TERMINAL FOR SOLDERING**  
Suitable for wire sizes up to 44/0.30  
**080.264**



**BULLET CONNECTOR FOR 2 WIRES**  
**080.260**



**BULLET CONNECTOR FOR UP TO 3 WIRES**  
Insulated contact  
**CWB302**



**BULLET CONNECTOR FOR UP TO 4 WIRES**  
Common contact  
**080.261**



**BULLET CONNECTOR 5 IN 5 OUT**  
Insulated from each other  
**080.263**



**BULLET CONNECTOR 5 PAIRS IN & OUT**  
You can fit up to five pairs of wires/bullets insulated from each other. This gives you a multiple connection point. For example, you can have five feeds in and for each of these you can have one or two wires out. A neat way of wiring the lights at the front or rear of a car  
**080.077**



**CONNECTOR (8 PAIRS IN & OUT)**  
This Connector can be used with solder type bullets **080.264** or crimp type bullets **080.265**, **080.266**, **080.267** and **080.268**. You fit up to eight pairs of wires/bullets insulated from each other. This gives you a multiple connection point. For example, you can have eight feeds in and for each of these you can have one or two wires out. Overall length 82mm, width 25mm and height 23mm. As fitted to Jaguar cars. See also Snip Snap Tool **090.001**  
**080.859**



**CRIMPING TOOLS FOR BULLET TERMINALS**  
For bullet terminals **080.265**, **080.266**, **080.267** & **080.268**  
**090.002**



**SNIP SNAP TOOL FOR BULLET TERMINALS**  
For inserting & closing solder or crimp bullets into connector tubes shown below. Without this tool it is quite difficult to do this  
**090.001**



**CRIMPING TOOLS FOR UNINSULATED CONNECTORS**  
(Left) Crimps three sizes of uninsulated connectors and ignition terminal, and strips and cuts six sizes of wire  
**090.004**  
(Right) A ratchet type for uninsulated connectors where full crimping pressure must be applied before the terminal can be released. The pressure at which this occurs can be adjusted. The tool the professionals use  
**090.006**



**EARTHING SLEEVE**  
Poke the wire through it, fold it over and push the sleeve into the earth clip  
**555910**

LIGHTING  
SWITCHES  
IGNITION  
**WIRING**  
HEATERS & ELECTRIC FANS  
ACCESSORIES  
BODY HARDWARE  
BRAKES & SUSPENSION  
CLUTCH KITS  
EXHAUSTS  
FIXINGS  
FUEL SYSTEMS & FILTERS  
GAUGES  
MIRRORS  
POWER STEERING  
SEATS & SEAT BELTS  
WASHERS & WIPERS  
OIL & AIR FILTERS  
CARE & STORAGE  
OIL, GREASE & FLUIDS  
PAINT & ANTI-RUST  
TOOLS

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**WIRING**  
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ACCESSORIES  
BODY HARDWARE  
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TOOLS



## HARNESS CONNECTORS

Connector for connecting wires within a harness. Each connector comprises two moulded plastic halves with a positive clipping arrangement and pins and sockets for you to wire up



**CONNECTOR 2 WAY**  
080.042



**CONNECTOR 3 WAY**  
080.043



**CONNECTOR 6 WAY**  
080.046



**CONNECTOR 9 WAY**  
080.049

## EYELETS



**EYELET**  
Hole size 3.8mm diameter.  
For wire up to 3mm diameter.  
080.316



**EYELET**  
Hole size 4.8mm diam.  
For wire up to 5mm diameter.  
080.317



**EYELET**  
Hole size 8mm diameter.  
For wire up to 5mm diameter.  
080.322



**BOX OF ASSORTED EYELETS**  
Insulated, 10 sizes  
080.410

## JUNCTION BOXES



**6-WAY JUNCTION BOX**  
Quality reproduction of LUCAS 6-way  
with cover and screw  
78266



**8-WAY JUNCTION BOX**  
8-way with cover as shown  
080.004

## HEATSHRINK



Sold in 1.22 metre lengths

### BLACK HEATSHRINK SLEEVING WITH AN ADHESIVE LINING

Formulated to melt at 110°C and close around the components by the shrinking action of the sleeve. Shrink ratio 3 to 1

Inner diameter before heating	Part No	Inner diameter before heating	Part No
3.2mm	080.600	9.5mm	080.603
4.8mm	080.601	12.7mm	080.604
6.4mm	080.602	19.1mm	080.605



**HEATSHRINK BUTT CONNECTORS**  
The stripped wires are inserted into the connector and crimped together, heat is applied with a hot air gun, lighter or match and the adhesive lined heatshrink reduces to form a seal. With the addition of solder to complete the connection:  
080.606 RED for 14/0.30mm wires (shown)  
080.607 BLUE for 28/0.30mm wires



Sold by the metre  
**BRAIDED SLEEVING**  
Designed to help you tidy up your wiring. 8mm diameter, expands to 17mm  
080.033



**HEATSHRINK SLEEVING BOX**  
Flexible polyolefin heatshrink sleeving is used for bundling, marking and protecting ends of wires. This sleeving is very nice to use. You cut it to length and slip it over the wire(s) and then heat it to 120°C whereupon it shrinks to up to half its diameter and grips the wire securely. Colour black, but some sizes are also available in red. This is the material to use to create a very professional finish with reliability  
080.589



Sold by the metre

### RED HEATSHRINK SLEEVING

Inner diameter	Part No
3.2mm	080.583
4.8mm	080.584
6.4mm	080.585
9.5mm	080.586
12.7mm	080.587
19.1mm	080.588



Sold by the metre

### BLACK PVC SLEEVING

Suitable for the bundling of wires and protection against damage. Resistant to petrol, oil, water and temperature up to 70°C

Inner diameter	Part No
4mm	080.560
5mm	080.561
6mm	080.562
8mm	080.563
10mm	080.564
12mm	080.565
14mm	080.566
16mm	080.567



Sold by the metre

### BLACK NYLON CONVOLUTED SLEEVING

Suitable for bundling of wires and protection against abrasion. Continuous operating temperature from -40°C to 120°C with short excursions up to 155°C. Resistant to petrol oil and water. Dimensions in mm

Outer diameter	Inner diameter	Part No
9.9	6.8	080.660
14	10.5	080.661
15.5	11.5	080.662
21	16.5	080.664
24	19.5	080.665
28	23.5	080.666



Sold by the metre

### BLACK HEATSHRINK SLEEVING

Inner diameter	Part No
2.4mm	080.572
3.2mm	080.573
4.8mm	080.574
6.4mm	080.575
9.5mm	080.576
12.7mm	080.577
19.1mm	080.578
25.4mm	080.579
38.1mm	080.580



Sold by the metre

### SPIRAL BINDING

Provides a neat and quick method of protecting harnesses and wiring looms against abrasion. Once fitted it can be constantly adjusted & reused. Made from black polythene, OK. from -60°C to 85°C. Dimensions in mm

Outer diameter	Inner diameter	Part No
6.4	4.4	080.608
12.7	9.0	080.609



Sold by the metre

### SPLIT CONVOLUTED SLEEVING

The specification for this split convoluted sleeving is the same as the non-split sleeving above. However, this product has a continuous split running along its length for easy application. Dimensions in mm

Outer diameter	Inner diameter	Part No
9.9	6.8	080.670
14	10.5	080.671
15.5	11.5	080.672
17.3	12.6	080.673
21	16.5	080.674
24	19.5	080.675

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Exposed live terminals should always be covered, particularly those for the starter and its solenoid. If you drop a spanner and it shorts a live terminal the resulting spark could start a fire. Many cars have been lost like this



**TERMINAL COVER**  
Terminal end fits over diameter of 11mm and will accommodate a cable of 5mm diameter. Material is neoprene  
**080.287**



**TERMINAL COVER**  
Terminal end fits over diameter of 14.6mm and will accommodate a cable of 11mm diameter. PVC  
**080.288**



**TERMINAL COVER**  
Terminal end fits over diameter of 13mm. The cable end is an oval shape 15mm x 10mm across. Neoprene  
**080.290**



**TERMINAL COVER**  
Terminal end fits over diameter of 11mm and will accommodate a cable of 6mm diameter  
**080.305**



**TERMINAL COVER**  
Terminal end fits over diameter of 15mm and will accommodate a cable of 7.5mm diameter  
**080.306**



**TERMINAL COVER**  
Terminal end fits over diameter of 15mm and will accommodate a cable of 9mm diameter  
**080.307**

## TAPES



**BONDALEC TAPE**  
Non adhesive tape used for wrapping wiring harnesses. 19mm wide x 33 metres long. The great advantage of this type of tape is that you can undo it

Black  
**080.031**



Brown  
**080.036**



**SELF AMALGAMATING**  
This tape fuses together to form a watertight outer insulation around wires. 25mm wide x 10 metres long  
**080.032**



**FLEECE WIRING HARNESS TAPE**  
19mm wide x 25 metres long  
**080.034**



**PVC ADHESIVE TAPE - BLACK**  
19mm wide x 5 metres long  
**080.641**



**PVC ADHESIVE TAPE - RED**  
19mm wide x 5 metres long  
**080.645**



**PVC ADHESIVE TAPE - BLUE**  
19mm wide x 10 metres long  
**080.642**



**PVC ADHESIVE TAPE - GREEN**  
19mm wide x 20 metres long  
**080.644**



**PVC ADHESIVE TAPE - WHITE**  
19mm wide x 20 metres long  
**080.647**



**PVC ADHESIVE TAPE - YELLOW**  
19mm wide x 20 metres long  
**080.648**

ZINC PLATED STEEL CABLE CLIP			
Dimensions in mm			
	Max Cable diameter	Fixing Hole diameter	Part No.
	6	5.5	<b>080.887</b>
	8	5	<b>080.271</b>
	9.5	5	<b>080.272</b>
	9.5	7	<b>080.273</b>
	12.7	5	<b>080.275</b>
	12.7	10	<b>080.274</b>
	15.9	5	<b>080.276</b>
	15.9	10	<b>080.277</b>
	19	7	<b>080.888</b>

CABLE TIES				
Dimensions in mm				
Width	Length	Colour	Features	Part No.
3.0	95	White	With a writing tag	<b>080.068</b>
3.0	100	White		<b>080.075</b>
4.8	146	Black		<b>080.070</b>
5.0	195	White	With a writing tag	<b>080.067</b>

A selection of black cable ties, 25 each of 100mm, 165mm, 190mm and 280mm long, in a neat cardboard dispenser you can hang on a nail and always know where to find them (shown in picture)  
**080.405**



**BRASS CABLE CLIP**  
Will take 5mm cable. Fixing hole size is 3.2mm diameter.  
**080.886**



**RUBBER FERRULE**  
Can be used with cable clips **080.274** and **080.275** and any of our battery cables **080.000**, **080.027** and **080.028** or with cable bunches up to 10 mm diameter. Has a split, so that you can put it round an existing cable  
**080.310**

STAINLESS STEEL 'P' CLIP	
With rubber inserts, for all sizes fixing hole size is 6.5mm.	
Maximum Cable diameter	Part No.
5mm	<b>080.110</b>
6mm	<b>080.111</b>
8mm	<b>080.112</b>
10mm	<b>080.113</b>
13mm	<b>080.114</b>
16mm	<b>080.115</b>
21mm	<b>080.116</b>
25mm	<b>080.117</b>
Less 15% on quantities of 10+	

STEEL 'P' CLIPS	
Rubber covering	
Maximum Cable diameter	Part No.
32mm	<b>080.365</b>
40mm	<b>080.366</b>

PLASTIC CABLE CLIPS		
Dimensions in mm		
Max Cable diameter	Fixing Hole diameter	Part No.
7.5	4	<b>080.278</b>
9.5	5	<b>080.279</b>
12.7-15.9	10	<b>080.280</b>
19.1	5	<b>080.363</b>
28.5	5	<b>080.364</b>

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### PVC & RUBBER WIRING GROMMETS

Dimensions in mm

External diameter	Hole in Panel	Internal diameter	Thickness	Material	Part No.
14.28	9.35	6.35	6.35	PVC	<b>080.293</b>
					<b>080.293/S</b>
15.87	11.11	7.93	6.35	PVC	<b>080.294</b>
					<b>080.294/S</b>
19.05	12.70	9.53	6.35	PVC	<b>080.295</b>
					<b>080.295/S</b>
25.40	12.70	6.35	9.35	Rubber	<b>080.296</b>
					<b>080.296/S</b>
34.93	19.05	12.70	11.11	PVC	<b>080.297</b>
					<b>080.297/S</b>
41.28	25.40	19.05	11.11	Rubber	<b>080.298</b>
					<b>080.298/S</b>
47.93	31.75	25.40	11.11	PVC	<b>080.299</b>
					<b>080.299/S</b>
34	26	5	8.5	Rubber	<b>080.084</b>
41	32	4	10	Rubber	<b>080.085</b>
56.50	42	13	9	Rubber	<b>080.688</b>

### PVC BLANKING GROMMETS

Dimensions in mm  
For panel thickness 1.6mm

Hole in Panel	Part No.
	8
16	<b>080.834</b>
19	<b>080.835</b>
32	<b>080.856</b>

#### WIRING GROMMETS

Box of assorted wiring grommets Moulded in PVC. Contains the following sizes, hole required in panel first, then hole in centre for wiring: 6 x 4mm, 8 x 5mm, 10 x 8mm, 11 x 8mm, 12.5 x 10mm, 17.5 x 12.5mm and 19 x 12.5mm

**080.703**

#### BLANKING GROMMETS

Box of assorted blanking grommets Moulded in PVC. Contains grommets to blank off holes of the following sizes: 8mm, 10mm, 12.5mm, 16mm, 19mm, 25mm and 32mm

**080.704**



#### BATTERY CABLE

PVC insulated cable from universal battery terminal to an eyelet with 8mm diameter hole. 266 strands x 0.3mm, capable of carrying 135 amps

Length	Part No.
300mm	<b>080.340</b>
375mm	<b>080.389</b>
450mm	<b>080.341</b>
600mm	<b>080.342</b>



#### BATTERY CABLE

PVC insulated cable from eyelet to eyelet, both with 8mm diameter hole. 37 strands x 0.9mm, capable of carrying 170 amps

Length	Part No.
300mm	<b>080.368</b>
450mm	<b>080.369</b>
600mm	<b>080.370</b>



#### BATTERY CABLE

If you have reason to make up your own battery cables we offer genuine LUCAS PVC insulated black battery cable 170 amps maximum

**080.000**



#### BATTERY CABLE

If you have a convoluted run for your battery cable we have this battery cable made up of 196 separate strands which gives it excellent flexibility for a cable 9.8mm in overall diameter. 170 amps maximum current rating. Core diameter 8mm

**080.027** Black

**080.028** Red



#### BATTERY CLAMPS

Battery clamps for making up your own battery cable. Has two screws for clamping to the cable

**080.022** Positive (left above)

**080.023** Negative (right above)



#### RIGHT HAND

battery terminal covers  
Adds a neat finishing touch to your battery installation but they are also a safety feature

Black (-)

**080.301**

Red (+)

**080.302**



#### LEFT HAND

battery terminal covers  
Adds a neat finishing touch to your battery installation but they are also a safety feature

Black (-)

**080.303**

Red (+)

**080.304**



#### EITHER HAND

battery terminal cover.  
Adds a neat finishing touch to your battery installation but they are also a safety feature

**080.291**



#### BATTERY CLAMPS

With 8mm stud, use with eyelets on right to make up your cable

Positive (left above)

**080.918**

Negative (right above)

**080.919**

### EYELETS

	Stud diameter.	Cable diameter.	Part No.	Quantity
	5mm	4.4mm	<b>080.425</b>	10
			<b>080.425/S</b>	1
	8mm	5.6mm	<b>080.426</b>	10
			<b>080.426/S</b>	1
	8mm	8.2mm	<b>080.427</b>	10
			<b>080.427/S</b>	1
	10mm		<b>080.284</b>	1
	10mm		<b>080.283</b>	1



### EARTHING CABLE

Uninsulated heavy duty cable for earthing components to body or chassis, 9.5mm eyelets both ends, 13mm diameter round cross section (24 x 9 x 0.3mm tinned copper)

Length	Part No.
150mm	<b>080.383</b>
225mm	<b>080.376</b>
300mm	<b>080.384</b>
450mm	<b>080.386</b>
525mm	<b>080.387</b>



### EARTHING CABLE

Uninsulated cable for earthing components to body or chassis, 8mm eyelets both ends, 10mm diameter round cross section (24 x 9 x 0.3mm tinned copper)

Length	Part No.
225mm	<b>080.377</b>
300mm	<b>080.381</b>
375mm	<b>080.382</b>
450mm	<b>080.378</b>



**CIGAR LIGHTER**  
Standard model, with no illumination  
**090.325**



**CIGAR LIGHTER**  
Standard model, illuminated  
**090.326**



**CIGAR LIGHTER**  
With chrome knob, but no illumination  
**090.850**



**CIGAR LIGHTER**  
With chrome knob, and illumination  
**090.851**



**POP OUT UNIT**  
Black  
**090.327**



**POP OUT UNIT**  
Chrome  
**090.852**



**KNOB**  
Chrome knob  
**090.853**



**BRACKET**  
Enabling you to fit any of the above under the dash or similar  
**090.849**

## HIGH CURRENT CONNECTORS



### HIGH CURRENT ANDERSON CONNECTOR

For connecting an external battery to supplement the vehicle battery to start the engine. To wire this up you will need two of these connectors. Wire one to the external battery and one to the vehicle battery. With red polycarbonate housing and silver plated solid copper terminals. 50 amps

**080.422**

## PLUGS & SOCKETS



**DASH PLUG**  
LUCAS Style 2 Pin Dash Plug. for 12v inspection lamp or similar. Use with Sockets **CAB189**  
**CAB185**



**PAIR OF SOCKETS RED/BLACK**  
One red, one black. Requires two 6.5 mm diameter holes in non-conducting dashboard or panel. Use Plug **CAB185**  
**CAB189**



**'FLYING' SOCKET**  
Use with the plug in Kit **080.041** to make up an extension lead for your 12 volt inspection lamp  
**770419**



**PLUG AND SOCKET WITH COVER**  
For 12 volt inspection lamp or other equipment or charging. Requires 19mm diameter hole in dashboard  
**080.136**



**SMALL PLUG AND SOCKET**  
A nice small plug and socket for 6V or 12V. The socket requires a 12mm hole in the dashboard and the top of the plug is only 25mm diameter  
**080.076**



**RED PLUG**  
Maximum load 5 amps at 12V. Use with **080.650**  
**080.652**



**LOCKING PLUG**  
Max load 5 amps at 12V. Ferrule screws on to socket **080.650** to stop it falling out. Black only  
**080.653**



**SMALL SOCKET**  
Suitable for metal panels. Requires 8mm diameter hole  
**080.650**



### CIGAR LIGHTER/DIN PLUG

Can be used with a standard cigar lighter socket or a DIN plug. Inside it has two terminals, and a fuse. To convert it to a DIN plug you turn and remove the red part on the end. We supply it with two ring terminals to assist with wiring it up

**080.158**

## BATTERIES



### TRADITIONAL RUBBER CASED BATTERIES

As used on vintage/classic cars and motorcycles

Volts	Type	Amp/hr	Length/mm	Width/mm	Height/mm	Part No.
12	242	60	307	171	222	<b>080.935</b>
12	279	73	490	108	222	<b>080.936</b>
12	291	73	251	165	224	<b>080.937</b>
6	404	71	201	170	190	<b>080.939</b>
6	421	57	170	175	230	<b>080.950</b>
6	501	85	227	180	215	<b>080.951</b>

For the UK this battery is supplied to your door in dry condition with the acid in a container ready for you to fill. Instructions supplied. There is a special delivery charge for this of £14.40 | £12.00 ex VAT. For overseas please phone our order line +44 (0) 1885 488 488



**LUCAR FITTING**  
76mm long with a 32mm jaw opening and a 6.4mm lucar connection for the lead. Maximum recommended load is 25 amps. Plated steel  
**080.016**



**SCREW FITTING**  
76mm long with a 32mm jaw opening and a screw connection for the lead. Maximum recommended load is 25 amps. Plated steel  
**080.015**



**SCREW FITTING**  
102mm long with a 50mm jaw opening and a screw connection for the lead. Maximum recommended load is 50 amps. Plated steel  
**080.017**



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### BATTERY ANTI-CORRODE

A gel that kills and prevents battery corrosion. The best way to use it is to undo the battery clamp, clean everything up and smear this gel all over the clamp and the battery post to prevent future corrosion. Also smear it over any adjacent metalwork. 20ml tube  
**080.014**



### BATTERY CARRIER

Battery Carrier with padded rubber grips, vinyl covered handle and a one size fits all adjustment.  
**095.537**



### BATTERY MAT

Goes underneath the battery to assist in overcoming the problem of rusting of steel in the vicinity of the battery. Any acid seepage from the vents which is washed down the battery sides is neutralised  
**090.479**



### DUAL MOUNT AERIAL

For use on vintage style cars. Install by means of the two adjustable mounting bases, normally at the side of the car just in front of the door. Works with all vintage and modern AM and FM radios & stereos. Looks good too!  
**091.907**



### AERIAL EXTENSION LEAD 600MM

All our aerials come with a length of lead already fitted, but if you need to extend this then we offer this extension lead 600mm long  
**091.915**



### AERIAL EXTENSION LEAD 3 METRES

All our aerials come with a length of lead already fitted, but if you need to extend this then we offer this extension lead 3 metres long  
**091.916**



### LOUDSPEAKER 40 WATTS - 100MM

Complete in a pod suitable for mounting on a rear parcel shelf. Output 40 watts. 100mm diameter  
**091.917**



### LUCAS BATTERY LABELS

A set of three LUCAS adhesive battery labels as shown

- Top 133 x 57mm
- Middle 120 x 60mm
- Bottom 106 x 33mm.

**080.155**



### LUCAS BATTERY LABEL

It is not always possible to get a battery of a make that would have been originally fitted to your classic car, but you can get this LUCAS adhesive battery label to dress up your (modern) battery  
**090.708**



### LUCAS KING OF THE ROAD

Adhesive label as fitted to LUCAS rubber case batteries. 87mm diameter.  
**080.942**



### BATTERY BOX - BLACK

This battery box is moulded from ABS and supplied complete with lid and quick release fasteners, internal dimensions are length 260mm x width 180mm x depth 230mm. The manufacturers call this 'carbon look'

**080.105**



### BATTERY BOX - RED

This battery box is moulded from ABS and supplied complete with lid and quick release fasteners. Internal dimensions are length 260mm x width 180mm x depth 230mm

**080.106**



### BATTERY CLAMP UNIVERSAL

A galvanised mild steel clamp, fits batteries up to 335mm long. Has butterfly wing nut fixing. Can be cut to size

**080.029**

## AERIALS & SPEAKERS



### 3 SECTION WING MOUNTING AERIAL

Incorporates a strong spring at its mounting end. Closed 550mm, extended 1250mm. Cable 1300mm long

**091.912**



### 4 SECTION WING MOUNTING AERIAL

Can be pushed manually into the wing and locked. Closed 40mm, extended 780mm. Cable 1400mm long. Clearance required underneath 285mm

**091.913**



### OFF-ON-SPRUNG ON SWITCH

Aerial switch LUCAS 33843 Requires hole size 22 mm x 37 mm. As fitted to Jaguar S3 from 1978 to 1986.

**DAC1695 33843**



### 2 SECTION ROOF MOUNTING AERIAL

Has black plastic base and built in spring to ward off damage

**091.919**



### HORN BULB, REED & BRASS TUBING

Comprises a large bulb horn (080.219), reed, adaptors and polished brass flexible tubing 610mm long (24 in) with mounting bracket

**080.467**



### FLEXIBLE BRASS TUBING

Brass 1/2" (12.7mm) internal diameter. Sold by the half metre

**080.466**



### HORN BULB

With brass ferrule. 17mm internal diameter, and brass ring 18mm/22mm diameter

**080.218**



### HORN BULB

With brass ferrule. 18mm internal diameter, and brass ring 19mm/40mm diameter

**080.219**



### LUCAS ALTETTE HORN

Reproduction of the 6 volt LUCAS 'Altette' chrome and black horn

**080.237/6V**



### LUCAS ALTETTE HORN

Reproduction of the 12 volt LUCAS 'Altette' chrome and black horn as fitted to MG TC, Rover and Wolseley cars

**080.237**



### PARTS KIT FOR ALTETTE HORN

Comprises chrome front ring and six chromed dome nuts for the periphery, a chromed dome nut and locknut for the centre. 6 volt

**080.638**



### WINDTONE HORNS

Pair of Windtone horns giving high and low notes. 12V. As used on MG TD, TF, MGA, Triumph TR2, TR3 and many other British cars of the 1940s and 1950s. Sold as a pair

**080.222**

**080.241** LUCAS WT618 Style Windtone Horn - 12 Volt High Tone

**080.242** LUCAS WT618 Style Windtone Horn - 12 Volt Low Tone



### LUCAS 9H WINDTONE HORN

Reproduction of the 12 volt horn used on many British cars and motorcycles from 1964 onwards

**080.220** Low tone

**080.221** High tone



### SMALL 6V HORN

72mm diameter. 100db. Supplied complete with mounting bracket with two 6mm diameter holes. 6 volt

**080.335**

- LIGHTING
- SWITCHES
- IGNITION
- WIRING**
- HEATERS & ELECTRIC FANS
- ACCESSORIES
- BODY HARDWARE
- BRAKES & SUSPENSION
- CLUTCH KITS
- EXHAUSTS
- FIXINGS
- FUEL SYSTEMS & FILTERS
- GAUGES
- MIRRORS
- POWER STEERING
- SEATS & SEAT BELTS
- WASHERS & WIPERS
- OIL & AIR FILTERS
- CARE & STORAGE
- OIL, GREASE & FLUIDS
- PAINT & ANTI-RUST
- TOOLS



### WINDTONE HORNS

Pair of windtone horns giving high and low notes. 12V. Black plastic body chrome grilles and covers. Body is 87mm diameter. Supplied with top mounting brackets, screws, nuts and a relay

**080.915**



### TWIN TONE AIR HORN

Complete with compressor, relay etc. 12V. Good for when you want to give them a BLAST!

**080.223**



### MUSICAL HORN SET

5 powerful and durable air horns complete with compressor, relay, instructions and all fittings for easy installation. Horn trumpets are red. Plays 'Dixie Land'

**080.916**



### OLD TIMER HORN - KLAXON TYPE

**080.339** With black plastic trumpet (above left)

**080.334** With chrome plastic trumpet. Made in Italy (right)



### OLD TIMER HORN - KLAXON TYPE

**080.229** A modern version of the traditional 'Arroooogggaah' sounding horn often fitted to pre-war cars (above left)

**080.238** A budget version of the Chrome Oldtimer Klaxon style horn. (right)



### CHROME/STAINLESS HORN

Made from stainless steel and chromium plated brass

**080.321** Low tone

**080.320** High tone



### BULL HORN

Overall height 210mm. Horn is metal, cover is red plastic. Horn has a built-in switch operated by a lever on the side by means of the cable supplied. The end result is a really good BELLOW, as in bull!

**080.912**



### CHROME RIM HORN

Chrome rim with black centre, 12V, twin Lucar 6.4mm terminals. This horn is 'E' marked E6

**080.330**



### CHROME HORN

Round chrome horn 100mm (37/8") diameter

**080.231**



### CHROMED HORN

Round chromed horn 147mm (53/4") diameter

**080.230**



### PLASTIC WINDTONE HORN

**080.468** Low tone

**080.469** High tone



### SMALL ROUND HORN

70mm diameter. 100db. Supplied complete with mounting bracket with one 8mm diameter hole. E marked

**080.336**



### ROUND 110DB HORN

100mm diameter. 110db

**080.337** Black

**080.338** Chrome



### SINGLE TERMINAL HORN

**080.227** Low tone

**080.228** High tone



### BRACKET

The two horn mounting holes measure 102mm centre to centre and the two holes at the base are at 25.4mm centres

**701639**



### BRACKET

For LUCAS Horns

**690617**