



Electrics & Ignition



Standard distributors. b. For A plus 1981-89......ADU4049 c. For A plus 1989 on lead free ADU5789

2. Distributors For 1275cc with electric module. a. When HIF44 carb fitted AUU1536 b. When HIF38 carb fitted NJC10038

c. Module onlyNJC10001 3. Evolution Distributors. A plus only, convert to a performance distributor with an electric module doing away with contact breakers. Only requires a loom (3d) from distributor to coil.

a. Standard up 276 profile cams C-27H7701

d. Loom - distributor to coil YMV10064 Distributors for 1275cc SPI fuel injection only

5. Aldon type for performance engines are converted from 45D non-vacum type distributors with red points. The vacum type are usually 45/59D with blue points. See table below.

6. New 123 Electronic distributor. Features 16 ready programmed switchable advanced curves as standard. Full instructions included and must be read properly. Dwell is microprocessor controlled, depending on coil current. Works with any standard or High Energy coil with a minimum 1 ohm resistance. For all A series engines. See table below.



		Sa. Aldon	SD. Road	6. 12	
		Performance	Cars	Electroni	c Ignition
		No Vac Unit	With Vac Unit	No Vac Unit	With Vac Unit
Road/ Rally	Pre A-plus	ALDONY	C-27H7766		C-27H7771
Ro	A-plus	ALDONY+	C-27H7767		C-27H7773
Race	Pre A-plus	ALDONR		C-27H7770	
	A-plus	ALDONR+		C-27H7772	
25D	Road / Rally		C-27H7768		
	Original type		GEU930		

f GRA101

f GRA101

I GRA2130

Performance

Vacuum Advanced Units

......37H8225 c. For 45/59D distributor from

d. For 1275cc with HIF44 carb.

e. For 1275cc with HIF38 carb.

Vacuum advance units. a. For 25D distributor. b. For 45D distributor pre 1974. 1974......37H8414BAU5309 RTC3993

Ignition Covers



20





9. Distributor cover for GDC102 For other shaped caps on our road or race cars we use the rubber household glove and cut the fingers off to suit and seal on leads.

11. a. One piece electric shield as fitted 1989 on. Will fit earlier models.....BHM1675

b. Plastic shield only as above NJT10004 12. Distributor shield clip. Order individually 13H6461



Electronic Ignition

13.The Ignitor electronic kit fits under the distributor cap. Easy to fit.

a. For 23D/25D type. Negative earthLU142 b. For 23D/25D type. Positive earth... LU142AP12

N/A

c. For 43/45D distributor with red points Negative earth.....LU143

d. For 59D distributor with blue points. Negative earth.....LU144

14. Lumenition Magnetronic Ignition System. Designed to replace troublesome points with a simple drop in installation. Each unit comes complete with all you need to fit the system straight into your existing distributor.

a. For 23/25D type..... MTK003 b. For 45/59D type..... MTK007





I GRA2130

N/A

I......GRA2130

Ignition, Plugs, Leads & Switches



Ignition Coils 1. a. High Energy Lucas Sports Coil is only manufactured for non ballast cars up to NOTE: there is no genuine ballast type sports coil available from Lucas.

NOTE: Body colors may vary to those shown.

b. High Energy Lumenition Sports Coil for use with Lumenition Magnetronic ignition modules. It has a separate ballast supplied WHICH MUST BE USED and is suitable for all Minis except injection. DLB111 c. Standard Coil for up to 1984 non ballast d. Coil for ballast ignition 998cc 1984-1989 GCL217 e. Coil for 1275cc ballast type GCL143 f. Unipart equivalent of GCL143 1990 on -Standard in Japan......GCL211 g. Twin point injection coil GCL204

Stainless steel coil bracket 8B12397 Stainless steel coil cover and bracket.



NGK Spark Plugs

4. On NGK plugs the higher the number, the cooler running the plug. On a good engine the plug will foul/ blacken up if running on too cool a plug. If the plugs foul/blacken up when fuel mixture is correct, the plug temperature is too cool. Copper core plugs give better ignitability and cold weather starting, which gives a more complete combustion, that in turn provides better engine performance.

Engine	Copper Core Projected Nose	Copper Core Non Projected Nose when High Compression	Gold Palladium Non Projected Electrode Nose Good ignitabil- ity on low voltage	Gold Palladium Non Projected Electrode Nose	
850/998	BP5ES	N/A	N/A	N/A	
998/1275	BP6ES	N/A	BP6EV	N/A	
Tuned Road	BP7ES	B7ES	BP7EVX	B8EVX High Compression and Turbo	
Highly tuned/ Road Rally	BP8ES	B8ES	N/A	B9EV High Compression	
Race	BP9ES	B9ES	N/A	and Turbo	
Eight Port	10mm C8E R	oad 8 Port	10mm C9E Race 8 Por	t	

Recommended Spark Plug Use. Plugs denoted by V have gold palladium center electrodes which give good ignitability and only require low voltage. Vehicles with electronic ignition require Resistor plugs denoted by an R in the part number. They offer protection to engine management systems, car radios and telephones. Check manufacturers notes for plug gap size. Catalyst cars usually require 2 thou more gap. These resistor plugs have copper core projected nose.

a. Single point Injection cars plus 998/1275cc standard use.

.....BPR6ES b. Tuned single point plus 998/1275cc tuned fast road. . . BPR7ES

Twin point injection plus V grove and 998/1275cc. ... BPR6EVG

Silicon Lead Sets

Lumenition silicon hi conductivity lead set. a. Blue 8mm, all cars except twin point car.BLS529

b. Red 7mm, except twin point HV22 c. Blue for twin points only..... BLS541

6. Genuine Rover / Unipart lead sets a. High performance 8mm thick silicon lead

b. Double silicon 6mm lead set in black.GHT241

c. Twin point ignition lead set..... GHT289

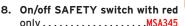
Safety Switches and Panels

On/off SAFETY ignition switch with starter button and switches. Supplied with wiring

a.	with 1 accessory switch	ISA344-1
b.	with 2 accessory switches	SA344-2
c.	with 3 accessory switches	SA344-3
d.	Only On/off ignition switch and starter button	MSA343







Switch with LED end. Available in yellow, green, blue and red.



MSA35II R

IGNITION

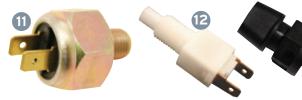
MSA35ILR

10. a. On/off SAFETY ignition switch with starter button and warning light. Wiring not included......MSA336 b. as above with extra accessory switch and green warning



Brake Safety Switches

13. Brake failure switch in master cylinder......AAU1752A





BRAIDED

5L692

Switches

Wiring Looms & Cables

Flick type
switches
mk1/2 early
mk3 blade
connectors
on rear









HEATER FAN



MK1 Mini floor start with

dynamo 850



5L322

HAM2174

5L954

511331

AN124

HAM1200

мкз
1969-
76 Blade
connectors
on rear
41x26mm
(except where
stated)

MK4 on

2000 pin

of switch

32x24mm

(except where stated)

1976-

now



HEADLAMP







2 blade... YUF101090

MK1 Mini Deluxe and Cooper 5L224 5L503 with dynamo MK1 Mini and Cooper with 51670 alternator 5L518 MK1 Cooper S with dynamo MK1 Cooper S with alternator 5L672 MK2 Mini and Cooper MK2 Cooper S with dynamo 5L832 51.691











FOG LAMP



		1275GT 76 on	
)	2 pinADU4791	Loom checkma	

HEATER TWIN

SPEED SWITCH



Loom checkmate Mini YMC10654 Mayfair Side repeaters 86 on AN154 **HAM4385**

1275GT pre 76 with alternator 5L1334

MK2 Cooper S with alternator

MK3 Mini with alternator

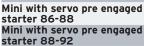
MK3 Mini to 76 with

MK3 Cooper S with dynamo

MK4 Center speedo, 3 clock

1000cc 1972-5

alternator



Mini van 72-75

HAM4626 AN109C These are our popular stock items for early cars but we



HEATED REAR



BRAKE SYSTEM



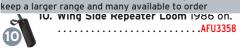
HEATER FAN

SWITCH



Battery Leads

16. Battery cable lead.



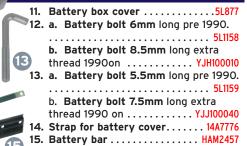




The only courtesy light switch available as fitted to saloons from

2. Steering/ignition lock as fitted from 1976 onBHM7107

Battery Ancillaries







3.







		6
and alarm, t	win point head li	 og/spot lamps ps, indicators, fan, redYWB10012

Green relayYWB10032 Pink relay dim/ dip controlYWC10050 b. Engine relay, twin point injectionsYWB100970 Relay, intermittent wiper for twin point...........DMC001352EVA









a. 1985-90.134" longAAU1089 b. 1990 on. 127" long...... YTA10037 17. Solenoid to inertia starter cable.....5L925 18. Engine to earth strap 5L1137 19. Battery earth strap......5L888MS



Circuit Breakers. Fuses, Stalks & Horns



Fuses

- 2. a. 4 Fuse box square type 1976-96 (with cover, less fuses).RTC440A
 - b. Fuse box cover square.518995A



Glass inline fuses to 1996.

Spade type fuses from 1996.







requirement

Circuit Breakers

Fitment of a general circuit breaker which isolates the battery from all electrical equipment has become mandatory in nearly all forms of Motorsport. Switch has to be accessible from inside and outside the car. The external trigger should be located on the windscreen scuttle panel - preferably on the driver's side. It should be clearly marked by a red flash in a white edged blue triangle with a base of at least 12cm.

- 6. Circuit breaker-battery line only......MW003
- FIA appendix requirement cut out with special diode protection device to allow switch off whilst the engine is running without damaging the electrical equipment (ie. alternator, electronic
- Safety stickers. Required for competition especially indicating circuit breaker PP8
- Immobiliser and isolator kit for battery. Ideal for leaving car standing with battery fitted, preventing discharge and a very effective immobiliser... MW004

Indicator / Wiper Stalk Units



10. Cowling for MK1 with green end indicator arm 8G6027 11. Cowling for MK2/3 without steering lock hole8G6035 12. Cowling for MK4 1976 on with steering locksBHM7085

Indicator & Hazard Units

Indicator & hazard Indicator Indicator Hazard MK1 & 2 MK3 1970 on up to injection injection cars GFU2103 GFU2218

Horns

A working car horn is not only a necessity it is also a legal requirement in England and most other countries. Many are interchangeable, high or low tones are available. Check how many terminals for multiple fitting.

13. Single spade terminal with open trumpet.

a. High tone......GGE101 14. Twin spade terminal with open trumpet.

a. High toneGGE164 c. High & low tone pair with relay (better sound).....LMA782

15. Air Horns with Red Trumpets.

..... FD2P **Power Window Conversion**

16. Electric Window Kit. Designed specifically for the Mini (pre door crash bar 1997on) where windup windows are fitted. The kit can be fitted to later models but needs professional fitting and is a very tight fit. The complete kit for 2 doors has all the necessary parts and full



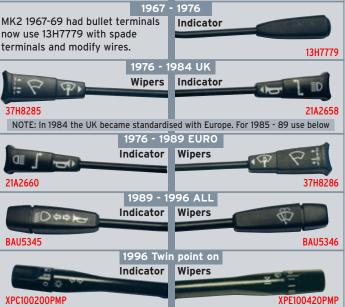
Central Locking Conversions



17. Sadly lacking on the latest Mini, the kit can be fitted with the electric window kit to give an up to date feeling. The kit will not activate remotely with the alarm fitted by Rover as standard. MSSK2001

18. This kit will enable the passenger door to be locked/unlocked when the key is turned in the driver's door and vice versa. The addition of the alarm

interface kit (No.3 Page 50 attaches directly), will enable full remote control locking and unlocking of both doors. Suitable for all Minis with factory remote control alarm systems. MSSK2004



LEFT RIGHT

Electric Kits & Rear Lamps

Wiper Delay

1. This wiper delay conversion kit will allow normal fast and slow wiper operation, but if you operate the 'flick-wipe' twice in succession it will 'learn' the delay between each flick and then allow intermittent wipes using this time delay.

The delay can be anything between 2 and 20 seconds. A rapid double flick will terminate the sequence. Also, operation of the screen wash will initiate a slow wipe for three wipes of the screen. Installation involves only three wires, can be



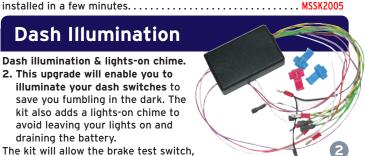
Dash Illumination

Dash illumination & lights-on chime.

2. This upgrade will enable you to illuminate your dash switches to save you fumbling in the dark. The kit also adds a lights-on chime to avoid leaving your lights on and draining the battery.

The kit will allow the brake test switch, the rear screen heater switch, the fog light

switch, and the hazard warning switch to be illuminated when the main lights are on. It will also sound a reminder chime if the door is opened when the lights are on and the ignition is off...... MSSK2007



Alarm Interface

3. Remote central locking upgrade for factory R/C Alarm. By adding this alarm interface kit to the central locking kit (page 49 No 17/18) you can operate the central locking using your existing Rover alarm remote control.

(Fits MSSK2000 & MSSK2001, but

designed to fit MSSK2004 without modification to the wires). The kits are suitable for all Minis equipped with factory remote control alarm systems MSSK2006



4. Keyless entry kit. For use with the central locking kit (page 49 No 17/18). Apart from the ease of locking and unlocking your car, the kit can be used with the ignition on as extra security. Not compatible with Rover alarms.





5. Remote Control Alarm or Keyless Entry System when used with MSSK2001 (Page 49 No.17), The kit has ten security features, which can be turned on/off by accessing the programme mode. All the usual alarm features including anti-car jacking. MSSK2003

Rear Lamps









Replacement rear lamps - complete with lenses, back plate, gasket and bulbs.

	Ri	ight Hand	Left Hand
6.	. Replacement rear lamps MK1	13H223	13H222
	. Replacement indicator lens MK1	47H5362	47H5355
	. Replacement brake lens MK1	47H5363	47H5358
	l. Screws for lens per lamp (3)	47H5360	47H5360
7.	. Replacement rear lamps MK2/3	13H6479	13H6480
	. Replacement lens MK2/3 complete	37H4838	37H4837
8.	. Replacement rear lamps MK4 on	XFB101200	XFB101210
	. Replacement brake lens MK4 on	XFJ10026	XFJ10027
	Replacement reverse lens MK4 on		
9.	. Replacement white lamps MK4 on . XFB	101200WHITE	XFB101210WHITE
	. Replacement white lens MK4 on XF.	J10026WHITE .	XFJ10027WHITE

Rear Lamp Lenses





10. Pair of upper white lens, correct bulbs and gaskets to stop water damage......MSSK034

11. White lens kits as shown with correct bulbs, either uppers only or complete car set (Clear lens kit does not fit Altissimo lamps).

a. MK4 - 2xlens rear upper, lens kit b. MK4 - 4xlens rear upper & lower kit with bulbsMSSK036



12. Rear lamp lens as fitted to many up market imported cars so commonly seen on our roads today. They give a chrome jewel look and are complete with seals, bulbs, fitting instructions and

Reversing Lamps

- 13. Universal reverse lamp 140mm wide 75mm high......MSA1116
- 14. Universal reverse lamp 83m wide 75mm high RL015
- 15. Reverse lamp switch for pre rod change gearboxes.

..... GAE131 16. Reverse lamp switch for rod change models (72 on), fit into gearlever housing. GAE191



Stop Lamp

17. Genuine Rover High level stop





Rear Fog Lights

Number Plate Lamps



- 1. MK1 "D" type number plate
 - a. In chrome metal....BHA4153 b. In plastic chrome...BHA4154
- 2. Black plastic number plate lamp 83H335
- Chrome metal bootlid number plate lamp8B12501METAL
- 4. Lens and bulbholder for No.6. Order individually PRC1230A

Front Indicators





14. a. Outer securing rim for pre 1986 indicator lamps.

> 7H5182 b. Stainless steel version of 7H5182, .7H5182MS

15. Rubber gaiter.

16. Correct original clip to hold lamp to front panel............AK606021 17. Screw to hold lamp to clip. .GFK2256

18. a. Original glass orange front indicator lamp2A9013 b. Plastic orange front indicator

19. a. Indicator front lamp white plastic CHM13WHITE b. Side lamp and Indicator front lamp combined with clear glass

c. Side lamp and Indicator front lamp combined with clear plastic lens......1B9100MS

20. These lenses all fit No. 18 & 19. a. Original orange glass lens only

..... 37H5520 b. Plastic orange lens only 37H8130 c. Clear glass lens 37H6928

d. Clear plastic lens.... 37H6928MS e. Red glass lens37H5531 21. Front indicator lamp 1986 -1996

(pre twin point). a. Complete lamp with orange lens & cable AFU3389

b. Complete lamp with white lens & cable..... AFU3389WHITE

22. Replacement lens for No. 21, with 2 screw holes.

a. Orange lens only CDU3374 b. White lens only..... CDU3374W

23. Front indicator for twin point Cars (1996 on).

a. Plastic twist-on lamp holder.XBD100670

b. Orange offset pin bulb for this lamp. GLB344 24. Front indicator chrome rim.

Chrome over brass for better shine. Fits No.21 & 23.

Order individually.....8B12395

White Indicator Kit

White indicator lens kit for cars from 1986-1996 which includes two orange bulbs and caps for side repeater lens bulbs. All parts available separately

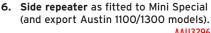


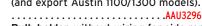
5. a. Clear front lens. b. Orange indicator bulb GLB343 c. Side repeater lens.AHU2592W d. Orange repeater bulb.

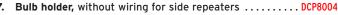
.....GLB501A e. Complete kit - for cars from 1986-1996 . MSSK028

f. Complete kit - for cars with early front lens (20)..... MSSK028E

Side Repeaters







a. Side repeater lamp, standard fitment from 1986 on.















b. Side repeater chrome rim. Chrome over brass for better shine. Order individually8B12394

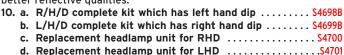
Wing Side Repeater Loom 1986 on AFU3358



Headlight Kit

Lighten up and improve your vision. If you have not already converted to halogen type lamps you really need to purchase this kit which contains all the parts required except the headlamp backing bowl S5400.

The light units are the same as those fitted to later minis but have chrome backed dome for better reflective qualities.



See also S6072 Free form light unit (No 5 on Page 52)









Lighting & Lamps

Headlamp Units

Many of the headlamps fitted to the Mini over 40 years of production are now obsolete. Only the following light units and sealed beams are readily available. It is advisable to try and update to modern halogen guadoptic when changing.



THE FOLLOWING ARE UK Right Hand drive with left hand dip.

- a. Sealed beam unit only with pilot light facility13H3471A b. Sealed beam headlamp assembly with outer rim. BHM7198
- Wiring loom with pilot light holder for sealed beam BAU2111
- a. Quadoptic halogen bulb type lamp only from introduction inXBC104430 b. Bulb holder sidelight for XBC103430/10S6005
- Quadoptic halogen headlamp assembly, with self levelling motor less rim. from 1996 on.....XBC103780
- Brand new Free Form light unit with clear Polycarbonate lens but the backing bowl is specially designed to reflect the beam and give better penetrating light. Designed to take the original H4 halogen bulb and with sidelight fittings they are supplied less bulbs. Unlike all the other fancy new headlamps such as angel eyes these are E marked and road legal in the UK - R/H/D with left hand dip onlyS6072

THE FOLLOWING ARE EURO Left Hand drive with right hand dip.

- - 6. 700 series L/H/D EURO bulb type lamp only.
 - 7. Quadoptic halogen bulb type lamp only. XBC103410
 - 8. Quadoptic halogen headlamp assembly, with self levelling motor less rim. 1996 on .XBC105230
 - 9. Xenon blue upgrade bulb for H4 quadoptic GLB472X

10. Plastic headlamp bowl with inner retaining ring, body to lamp



seal and fitting kit make this an inexpensive rust free replacement for the old metal

11. Metal headlamp bowl only.

Headlamp Outer Rims

- 12. a. Genuine chrome outer rim with screw fits all except twin point injection cars 1997 on...............................500929
 - b. Mini Spares own stainless steel version to fit all cars500929MS
 - c. Mini Spares own chrome over brass original type quality to fit all cars.
 -17H5143 d. Genuine chrome outer rim for 1997 on twin points, which have different location screw hole.........DHF100060
 - e. Stainless steel replacement screw and fiber washer for rimsRTC465
- 13. 60's style stainless steel headlamp peaksOrderpairas8B12399
- 14. Protect your lamps with stainless steel wire mesh guards..OrderpairasSTONEGUARD

Note: All rim are now supplied with fixing screws.





Lamp Covers

- 15. Genuine Rover tinted plastic spot/fog lamp covers with Cooper emblem. Pair ... XBV100300
- 16. Auxiliary fog lamp covers. Protection for spot & fog lamps, to the original Lucas design incorporating the small clear window to show if lamp remains switched on. Order individually (per lamp).
 - a. Lucas Q 6" (152mm) ... MSL2010 **7"** (178mm)MSL2040
 - b. Lucas Lion 6" (152mm) MSL2025 **7"** (178mm)MSL2030





17. Original Rover driving lamp..... 18. Original Rover fog lampXBJ100280

- 19. Original type Rover brackets when 2 lamps are fitted and for two central lamps on Twin point injection with 4 lampsXBU10044
- 20. Reinforced bracket to stop outer lamps vibrating on twin point cars. Caused by front panel valance vibrating.
 - a. Twin Point outer lamp bracket Right HandXBU100640
 - b. Twin Point outer lamp bracket Left hand XBU100650
 - 21. Chrome halogen lamps with plastic covers 135mm wide 60mm deep
 - a. Pair of driving lamps \$6007 b. Pair of fog lamps..... \$6078



22. Pair of black halogen large driving lamps 170mm wide 58mm deep..... LA1009

Halogen auxiliary driving	26. Stainless	27. Black	
lamp kits	Steel Bracket	Bracket	
		XBU10046	XBU10045
21. Chrome with covers	2 Lamps	MONTE1	MONTE1BLACK
135mm wide \$6007	4 Lamps	MONTE3	MONTE3BLACK
22. Large black	2 Lamps	MONTE2	MONTE2BLACK
170mm wideLA1009	4 Lamps	MONTE4	MONTE4BLACK

23. Pair of black halogen lamps 160mm wide 63mm deep. Can be used as a budget replacements for items 17&18.

a. Driving lampsRL020





SAFETY FEATURE

- 24. When fitting spot or fog lamps we recommend you use a wiring and relay kit for safety available as a kit with instructionsRLFK200
- 25. Heavy duty lamp bar as fitted to the Abingdon Special Tuning cars. Bar and

lamps

- 3 support brackets keep the lamps stable under any condition. We recommend you use a single lamp bracket for each lamp or this ST works type bar which mounts to the valance and front panel. This reduces the vibration, which would make the extra lights ineffective. (as present in other bars offered that straddle the original two single brackets).
 - a. Stainless steel copy of original ST Works barC-AJJ3329 b. Lightweight version, black powder coated finish MSA1101



fitting auxiliary