

**AIR CONDITIONING**

System ..... A.R.A.  
 Compressor ..... Sanden SD510

**ELECTRICAL**

System ..... 12 volt, negative earth  
 Battery .....  
 Make/type ..... Chloride maintenance free 9-plate—210/85/90  
 Chloride maintenance free 14-plate—380/120/90

**ALTERNATOR**

Manufacturer ..... Lucas  
 Type ..... 133/65  
 Polarity ..... Negative earth  
 Brush length  
     New ..... 20 mm (0.78 in)  
     Worn, minimum free protrusion from brush box ..... 10 mm (0.39 in)  
 Brush spring pressure flush with brush box face ..... 136 to 279 g (5 to 10 oz)  
 Rectifier pack output rectification  
     Field winding supply rectification ..... 6 diodes (3 live side and 3 earth side)  
     ..... 3 diodes  
 Stator windings ..... 3 phase—delta connected  
 Field winding rotor poles ..... 12  
     Maximum speed ..... 15,000 rev/min  
     Shaft thread ..... M15—1.5—6 g  
     Winding resistance at 20°C ..... 3.2 ohms  
 Control ..... Dual—battery sensed with machine sensed safety control  
 Regulator—type ..... 15 TR  
     voltage ..... 13.6 to 14.4 volts  
 Nominal output  
     Condition ..... Hot  
     Alternator speed ..... 6000 rev/min  
     Control voltage ..... 14 volt  
     Amp ..... 65 amp

REPLACEMENT BULBS		TYPE			
Headlamps	Exterior lights	12V	60/55W	(Halogen)	
Headlamps—France (amber)		12V	60/55W	(Halogen)	
Auxiliary driving lamps		12V	55W H3	(Halogen)	
Sidelamps		12V	4W	bayonet fitting	
Stop/tail lamps		12V	5/21W	bayonet fitting	
Reverse lamps		12V	21W	bayonet fitting	
Rear fog guard lamps		12V	21W	bayonet fitting	
Direction indicator lamps		12V	21W	bayonet fitting	
Side repeater lamps		12V	4W	bayonet fitting	
Number plate lamps		12V	4W	bayonet fitting	
Instrument panel lamps and warning lamps		Interior lights	12V	1.2W	bulb/holder unit
Ignition warning lamp (Instrument panel)			12V	2W	capless
Interior roof lamps			12V	10W	'Festoon'
Clock illumination			12V	2W	bayonet fitting
Cigar lighter illumination	12V		1.2W	capless	
Door edge/puddle lamps	12V		10/5W	capless	
Auxiliary switch panel illumination (green)	12V		1.2W	capless	
Heated rear screen warning lamp (amber)	12V		1.2W	capless	
Hazard warning lamp (red)	12V		1.2W	capless	
Automatic graphics illumination	24V		5W	capless	
Air conditioning graphics illumination	12V	1.2W	capless		

**DISTRIBUTOR**

Make/type.....	Lucas 35DM8
Firing angles.....	0°—45°—90° etc. $\pm 1^\circ$
Application.....	12V Negative earth
Pick-up air gap adjustment..... (Pick-up limb/reluctor tooth)	0.20 mm—0.35 mm (0.008 in—0.014 in)
Pick-up winding resistance.....	2k—5k ohms

**FUSES**

Type.....	Autofuse (Blade type) Blow ratings to suit individual circuits
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**HORNS**

Make/type.....	Klamix (Mixo) TR99
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**IGNITION MODULE**

Make/type.....	Lucas 2CE 12-volt electronic
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**SPARK PLUGS**

Make/type.....	Champion N9YC
Gap.....	0.70 to 0.80 mm (0.030 to 0.032 in)

**STARTER MOTOR**

Make/type.....	Lucas 3M100 pre-engaged
British spring tension.....	1020 gms (36 ozs)
Minimum brush length.....	9.5 mm (.375 in)

**TAILGATE WIPER MOTOR**

Make/type.....	Lucas 14W PM
Armature end float.....	0.05—0.25 mm (0.002 in—0.010 in)
Minimum brush length.....	4.8 mm (0.187 in)
Running current (rack disconnected).....	1.5 amps
Wiper speed after 60 seconds.....	46—52 rev/min

**WINDSCREEN WIPER MOTOR**

Make/type.....	Lucas 28W 2-speed
Running current (rack disconnected).....	1.5 amps at 39—45 rev/min (normal speed)
Rotary link speed.....	60—73 rev/min (high speed)