

# LUCAS

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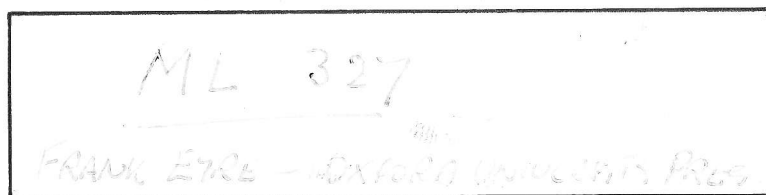
## EQUIPMENT



CAR EQUIPMENT DETAILS  
AND SPARE PARTS FOR

### BRISTOL

400 SALOON



JOSEPH LUCAS LTD • BIRMINGHAM 19 • ENGLAND

# LUCAS

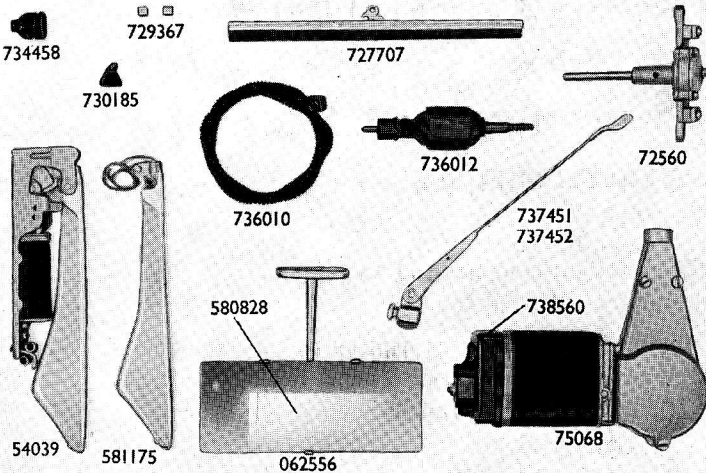
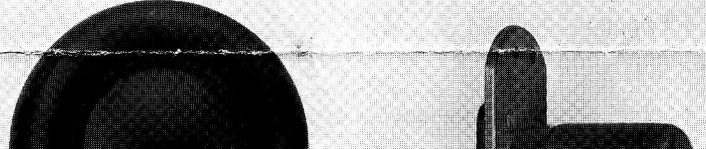
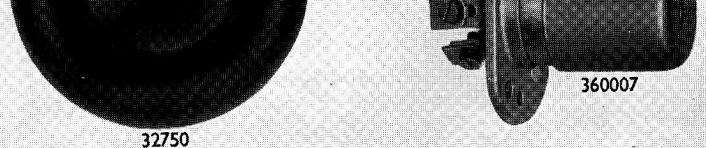
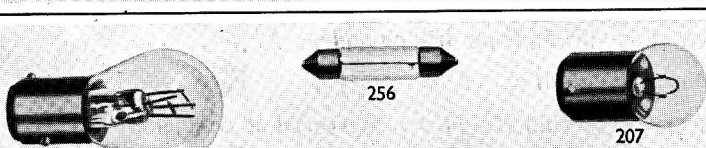
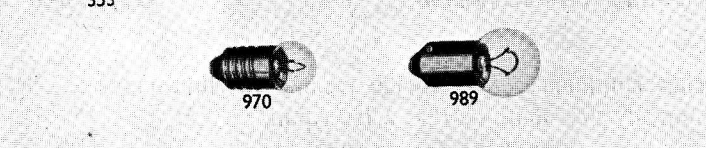
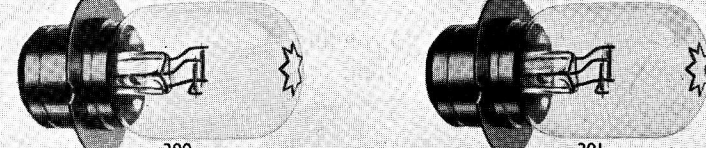
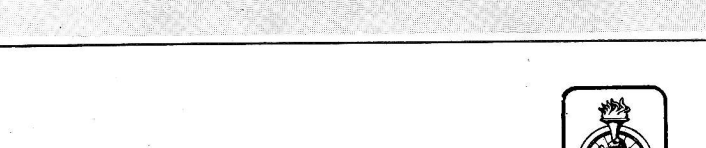
## ORIGINAL EQUIPMENT

### EQUIPMENT SPECIFICATION

| UNIT                                      | MODEL & TYPE | SERVICE No. | SERVED BY | REMARKS   |
|-------------------------------------------|--------------|-------------|-----------|-----------|
| DYNAMO ... ..                             | C45PV3       | 238185      | 22435A    |           |
| STARTER ... ..                            | M35G WG1     | 25006A      | 25006A    |           |
| SWITCH, STARTER SOLENOID ... ..           | ST900        | 760205      | 76022B    |           |
| DISTRIBUTOR ... ..                        | DXH6A WG2    | 40109A      | 40109A    |           |
| COIL, IGNITION ... ..                     | B12 L        | 45012A      | 402033    |           |
| CONTROL BOX ... ..                        | RF95/2 L2    | 37065E      | 37065E    |           |
| SWITCH, LIGHTING & IGNITION ... ..        | PLC6 L101    | 344874      | 344874    |           |
| SWITCH, SOLENOID OPERATING ... ..         | SS5 L35      | 31071A      | 31071A    |           |
| WARNING LIGHT, IGNITION ... ..            | WL4          | 318604      | 318604    |           |
| PLATE ASSEMBLY, WARNING LIGHT ... ..      |              | 303667      | 303667    |           |
| BEZEL, RED WINDOW ... ..                  |              | 304084      | 304084    |           |
| SWITCH, PANEL LIGHT RHEOSTAT ... ..       | CHRI L41     | 78225A      | 78225A    |           |
| SWITCH, 'MINDSCREEN WIPER ... ..          | PS7 L70      | 31122A      | 31201A    |           |
| TERMINAL BLOCK ... ..                     |              | 300990      | 300990    |           |
| TIME SWITCH, TRAFFICATOR (Trico) ... ..   |              |             | 031046    |           |
| AMMETER ... ..                            | BM11 LI      | 36041A      | 36033B    |           |
| HORN PUSH, STEERING COLUMN ... ..         | WG/16/47     | 32750A      | 32750A    |           |
| BATTERY ... ..                            | GTW9A        |             |           |           |
| LAMPS, HEAD ... ..                        | F700 MK111   | 50445K      | 50445K    |           |
| LAMPS, SIDE ... ..                        | 1145         | 52070A      | 52070A    |           |
| LAMP, COMBINED STOP TAIL & REVERSE ... .. | 464          | 53094D      | 53201A    |           |
| LAMP, NUMBER PLATE ILLUMINATION ... ..    | 467          | 53093E      | 53093E    |           |
| SWITCH, ROOF LAMP ... ..                  | 10P          | 359350      | 359350    |           |
| SWITCH, REVERSE LAMP ... ..               | SS10         | 315500      | 315500    |           |
| SWITCH, FOOT DIPPER ... ..                | FS22/1 LI    | 360007      | 360007    |           |
| SWITCH, STOP LAMP ... ..                  | 54C          | 315725      | 315725    |           |
| MIRROR ... ..                             | 309/1/31     | 580652      | 062556    |           |
| TRAFFICATORS ... ..                       | SF34J        | 539731      | 54039A    |           |
| HORNS ... ..                              | WT614        | 690798      | 69021A    | Low Note  |
|                                           |              | 690799      | 69022A    | High Note |
| SCREENWIPER ... ..                        | CR4 WG2      | 072570      | 75068B    |           |
| CABLES                                    |              |             |           |           |
| MAIN HARNESS ... ..                       |              | 973480      | 973480    |           |
| BODY & CHASSIS HARNESS ... ..             |              | 991921      | 991921    |           |
| PANEL CONNECTOR ... ..                    |              | 998438      | 998438    |           |



# LUCAS SPARE PARTS

| ILLUSTRATION                                                                        | DESCRIPTION OF PART                                                                                                                                                                                                                                                                                                                                      | ORDERING No. |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|    | <b>SCREENWIPER, CR4 WG2</b><br>Motor ... .. 75068<br>Cover, end, bakelite ... .. 738560<br>Brush set ... .. 729367<br>Armature ... .. 736012<br>Crosshead and rack ... .. 736010<br>Wheelbox ... .. 72560<br>Arm, left hand ... .. 737452<br>Arm, right hand ... .. 737451<br>Blade ... .. 727707<br>Stop, rubber ... .. 730185<br>Grommet ... .. 734458 |              |
|    | <b>MIRROR, 579/103</b> ... .. 062556<br>Glass ... .. 580828                                                                                                                                                                                                                                                                                              |              |
|   | <b>TRAFFICATOR MOVEMENT, SF34N</b> ... .. 54039<br>Arm ... .. 581175                                                                                                                                                                                                                                                                                     |              |
|  | <b>HORN PUSH, complete, WG/16/47</b> ... .. 32750                                                                                                                                                                                                                                                                                                        |              |
|  | <b>SWITCH, FOOT DIPPER, FS22/LI</b> ... .. 360007                                                                                                                                                                                                                                                                                                        |              |
|  | <b>TERMINAL BLOCK</b> ... .. 300990                                                                                                                                                                                                                                                                                                                      |              |
|  | <b>CONDENSER, SUPPRESSOR RADIO, DW9X/5X</b> ... .. 483828                                                                                                                                                                                                                                                                                                |              |
|  | <b>BULBS</b><br>Headlamp, Home and Export, left hand dip ... .. 300<br>Headlamp, Export, right hand dip... 301<br>Side lamps ... .. 207<br>Stop tail and reverse ... .. 353<br>Number plate illumination ... .. 989<br>Trafficator ... .. 256<br>Warning light ... .. 970                                                                                |              |

# SERVICE NOTES AND TEST DATA

## 12 VOLT EQUIPMENT

### POSITIVE EARTH RETURN

#### DYNAMO

Two-pole ventilated design; compensated voltage control; clockwise rotation viewed from driving end.

Crossed connections will cause serious damage to the regulator. Connect YELLOW LEAD to main terminal, and YELLOW LEAD WITH GREEN TRACER to field terminal.

##### TEST DATA

Dynamo cold:

Cutting-in speed 900—1,050 r.p.m. at 12.5 dynamo volts.

Output 13 amps. at 1,500—1,700 r.p.m. at 13 dynamo volts, taken on 1.0 ohm resistance load without regulator. (Resistance must be able to carry 15 amps. without overheating).

Brush tension 36—44 ozs.

Field resistance 6.8 ohms.

#### STARTER

Four-pole design; clockwise rotation viewed from driving end.

Outboard drive with 9/10-tooth pinion.

##### TEST DATA

Lock torque 10 lbs. ft. (approx.) with 430 amps. and 7.6 volts.

Brush tension 32—40 ozs.

#### DISTRIBUTOR

Anti-clockwise rotation viewed from driving end.

Contact breaker gap .010"—.012".

Contact breaker spring tension 20—24 ozs. measured at contacts.

Condenser capacity 0.18—0.23 microfarad.

##### TEST DATA

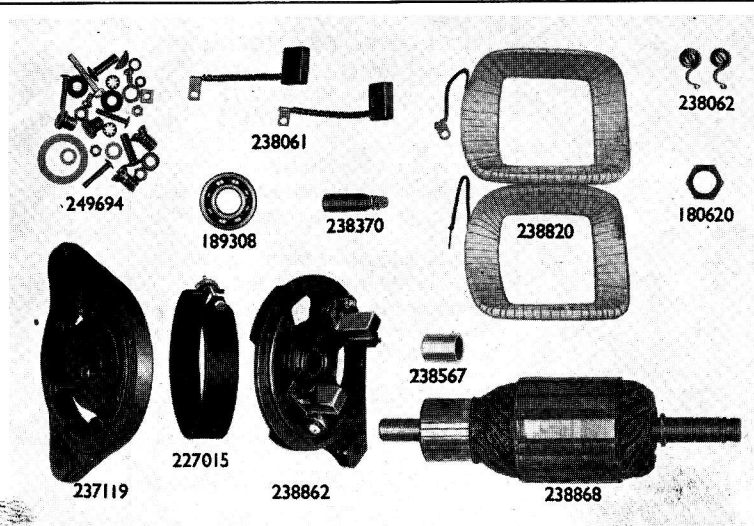
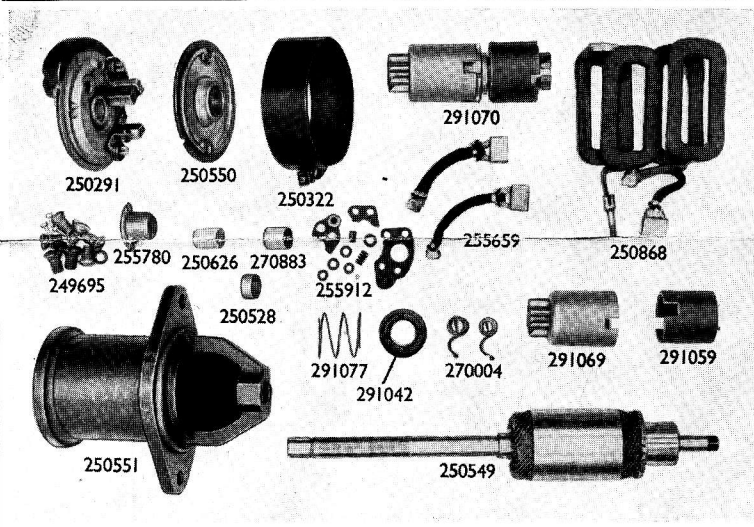
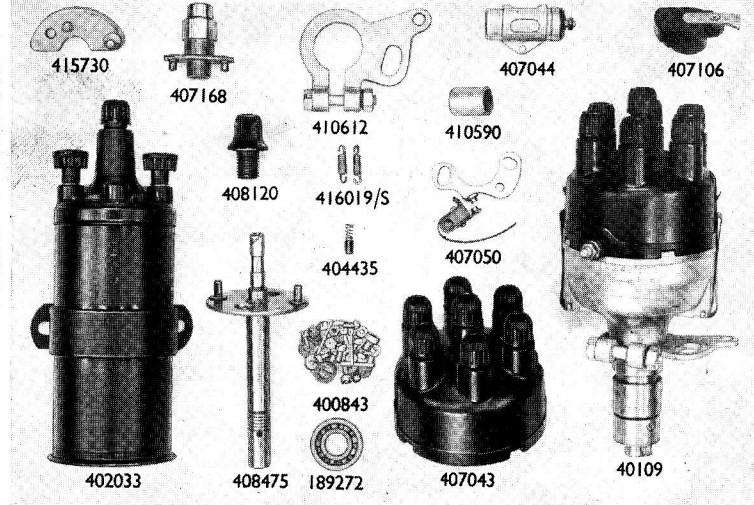
Centrifugal advance commences at 300—450 r.p.m. (distributor) and gives maximum advance of 18°—20° at 2,250 r.p.m.

#### IGNITION COIL

Current consumption: 1.05 amps. (approx.) running.  
2.5 amps. (approx.) stall.

Coil moulding must be kept clean.

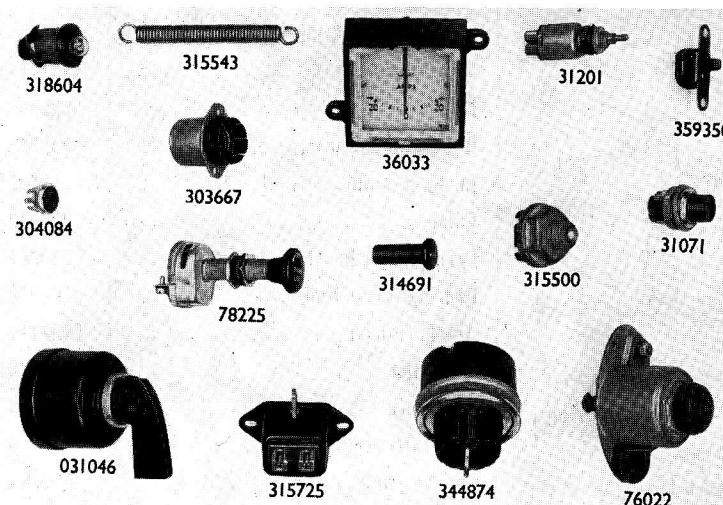
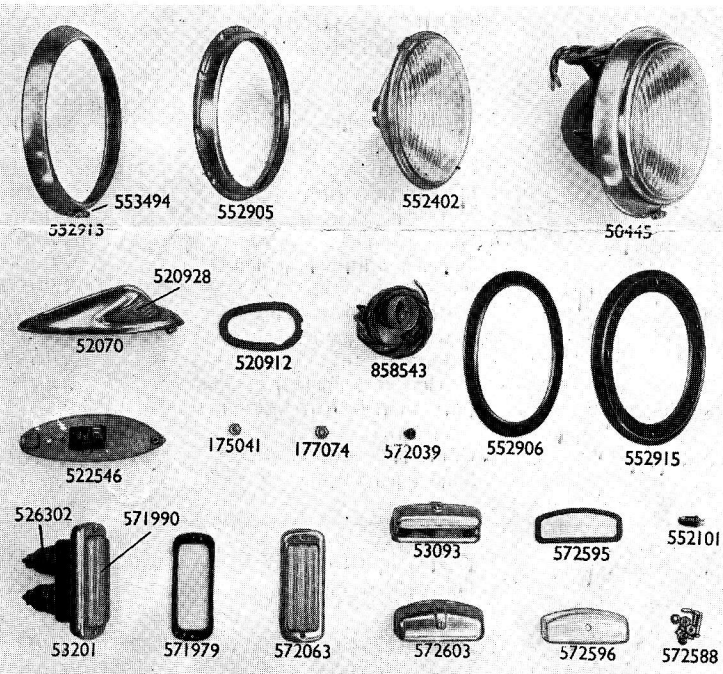
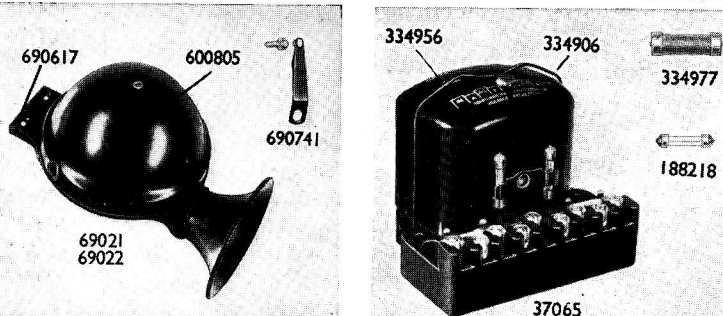
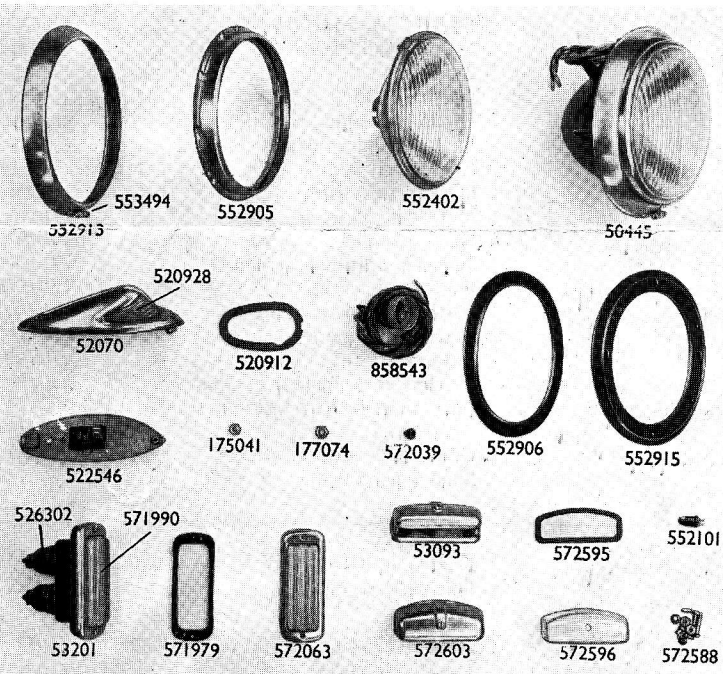
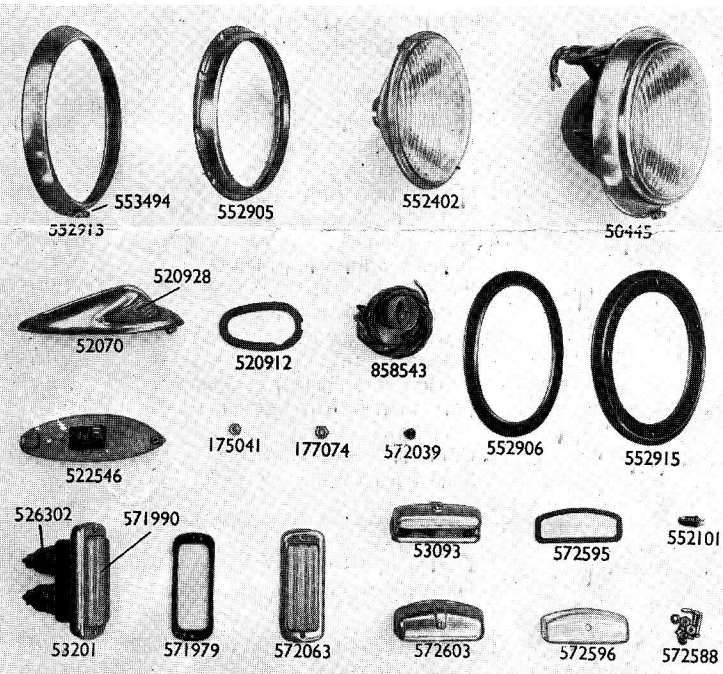
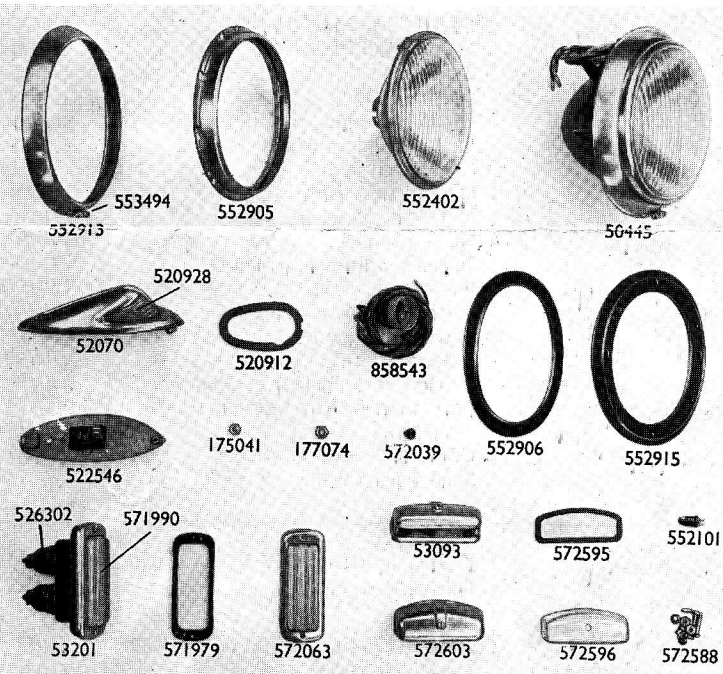
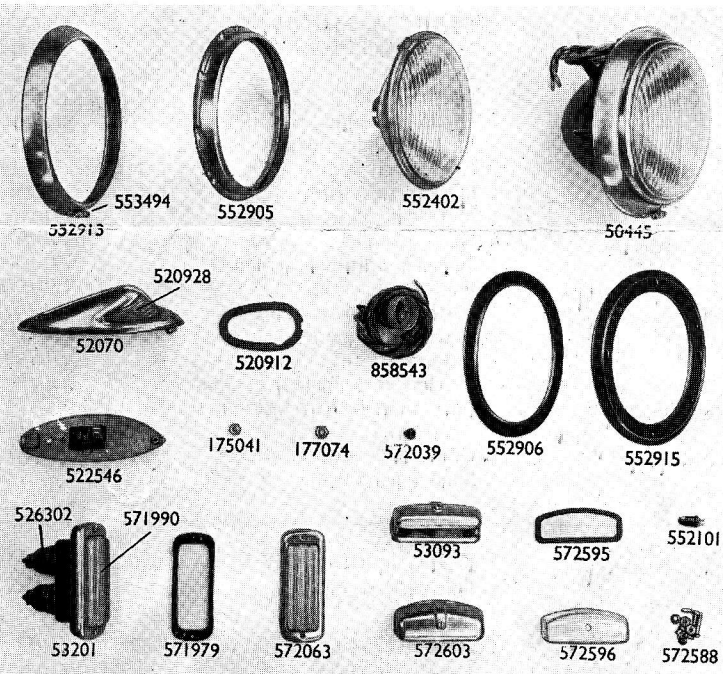
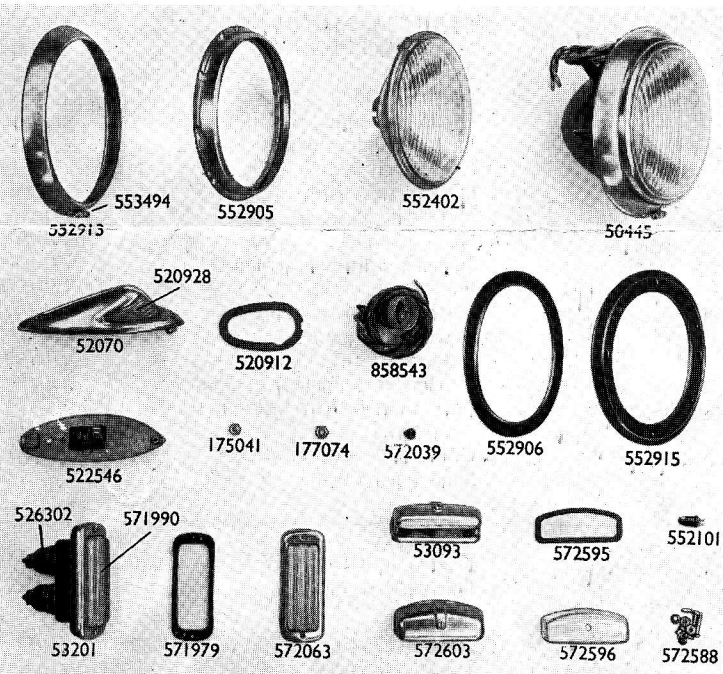
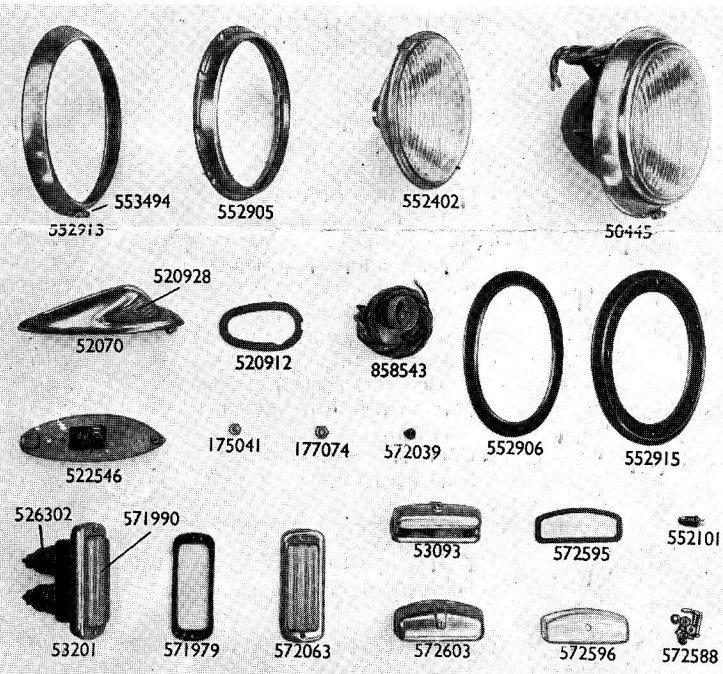
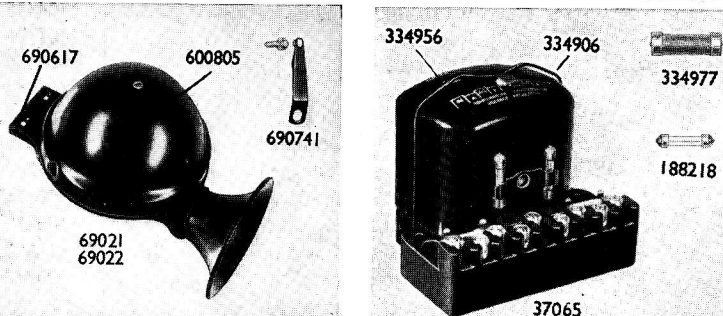
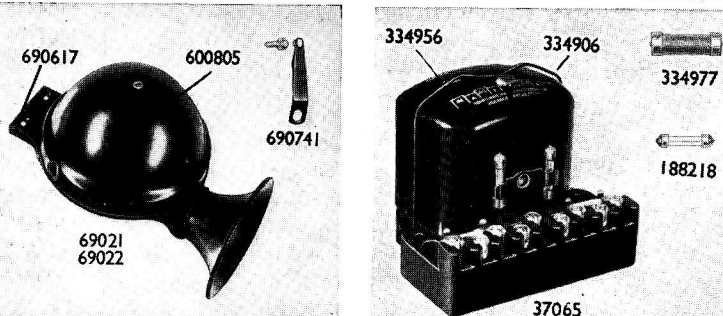
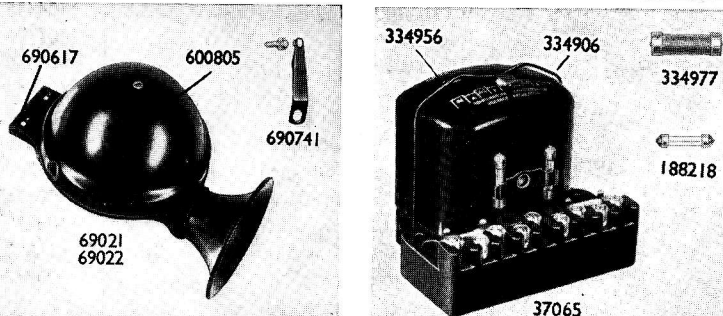
# LUCAS SPARE PARTS

| ILLUSTRATION                                                                        | DESCRIPTION OF PART                  | ORDERING No.  |
|-------------------------------------------------------------------------------------|--------------------------------------|---------------|
|    | <b>DYNAMO, C45PV4 L-0...</b> ...     | <b>22435</b>  |
|                                                                                     | Cover, band ... ..                   | 227015        |
|                                                                                     | Brush set ... ..                     | 238061        |
|                                                                                     | Bracket, commutator end ... ..       | 238862        |
|                                                                                     | Bush, commutator end ... ..          | 238567        |
|                                                                                     | Oiler ... ..                         | 238370        |
|                                                                                     | Springs, set, brush ... ..           | 238062        |
|                                                                                     | Bearing, drive end ... ..            | 189308        |
|                                                                                     | Bracket, drive end ... ..            | 237119        |
|                                                                                     | Nut, shaft ... ..                    | 180620        |
|                                                                                     | Armature ... ..                      | 238868        |
|                                                                                     | Coils, field ... ..                  | 238820        |
|                                                                                     | Sundry parts, set ... ..             | 249694        |
|   | <b>STARTER, M35G WG-I...</b> ...     | <b>25006</b>  |
|                                                                                     | Cover, band ... ..                   | 250322        |
|                                                                                     | Cap, shaft ... ..                    | 255780        |
|                                                                                     | Brushes, set ... ..                  | 255659        |
|                                                                                     | Bracket, commutator end ... ..       | 250291        |
|                                                                                     | Bush, commutator end ... ..          | 250626        |
|                                                                                     | Contact set ... ..                   | 255912        |
|                                                                                     | Springs, set, brush ... ..           | 270004        |
|                                                                                     | Nut, shaft ... ..                    | 291042        |
|                                                                                     | Drive assembly ... ..                | 291070        |
|                                                                                     | Sleeve and Rubber assembly ... ..    | 291059        |
|                                                                                     | Pinion and barrel ... ..             | 291069        |
|                                                                                     | Spring, pinion retaining ... ..      | 291077        |
|                                                                                     | Bracket, drive end ... ..            | 250551        |
|                                                                                     | Bush, drive end ... ..               | 270883        |
|                                                                                     | Bracket, intermediate ... ..         | 250550        |
|                                                                                     | Bush, intermediate bracket ... ..    | 250528        |
|                                                                                     | Armature ... ..                      | 250549        |
|                                                                                     | Coils, field ... ..                  | 250868        |
|                                                                                     | Sundry parts, set ... ..             | 249695        |
|  | <b>COIL, Ignition, B12 L</b> ... ..  | <b>402033</b> |
|                                                                                     | Nut, H.T. terminal ... ..            | 408120        |
|                                                                                     | <b>DISTRIBUTOR, DXH6A WG2</b> ... .. | <b>40109</b>  |
|                                                                                     | Plate assembly ... ..                | 410612        |
|                                                                                     | Cover ... ..                         | 407043        |
|                                                                                     | Brush and spring ... ..              | 404435        |
|                                                                                     | Rotor arm ... ..                     | 407106        |
|                                                                                     | Contact set ... ..                   | 407050        |
|                                                                                     | Condenser ... ..                     | 407044        |
|                                                                                     | Cam ... ..                           | 407168        |
|                                                                                     | Springs, auto advance ... ..         | 416019/S      |
|                                                                                     | Weights, auto advance ... ..         | 415730        |
|                                                                                     | Shaft and action plate ... ..        | 408475        |
|                                                                                     | Bearing, top ... ..                  | 189272        |
|                                                                                     | Bearing bush, bottom ... ..          | 410590        |
|                                                                                     | Sundry parts, set ... ..             | 400843        |
|                                                                                     | 42121                                |               |





# LUCAS SPARE PARTS

| ILLUSTRATION                                                                        | DESCRIPTION OF PART                                   | ORDERING No.  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------|
|    | <b>INSTRUMENT PANEL PARTS</b>                         |               |
|                                                                                     | Ammeter, BM11 L2 ... ..                               | 36033         |
|                                                                                     | Switch, ignition, PLC6 L101 ... ..                    | 344874        |
|                                                                                     | Switch, screenwiper, PS7 L70 ... ..                   | 31201         |
|   | Knob ... ..                                           | 314691        |
|                                                                                     | Switch, time, trafficator ... ..                      | 031046        |
|                                                                                     | Switch, solenoid operating, SS5 L35 ... ..            | 31071         |
|                                                                                     | Switch, panel light rheostat, CHRI L41 ... ..         | 78225         |
|  | Switch, roof lamp, 10P ... ..                         | 359350        |
|                                                                                     | Light, ignition warning, WL4 ... ..                   | 318604        |
|                                                                                     | Plate assembly, warning light ... ..                  | 303667        |
|                                                                                     | Bezel, warning light and red window (ignition) ... .. | 304084        |
|                                                                                     | <b>SWITCH, STARTER, ST900 ...</b>                     | <b>76022</b>  |
|                                                                                     | <b>SWITCH, REVERSE LAMP, SS10</b>                     | <b>315500</b> |
|                                                                                     | <b>SWITCH, STOP LAMP, 54C ...</b>                     | <b>315725</b> |
|                                                                                     | Spring ... ..                                         | 315543        |
|   | <b>HEADLAMP, F700</b>                                 | <b>50445</b>  |
|                                                                                     | Rim assembly... ..                                    | 552913        |
|                                                                                     | Screw, rim fixing ... ..                              | 553494        |
|                                                                                     | Excluder, rubber ... ..                               | 552906        |
|   | Unit, light ... ..                                    | 552402        |
|                                                                                     | Rim, light unit ... ..                                | 552905        |
|                                                                                     | Adaptor, double contact ... ..                        | 858543        |
|                                                                                     | Gasket, body ... ..                                   | 552915        |
|   | <b>LAMP, SIDE, 1145</b>                               | <b>52070</b>  |
|                                                                                     | Glass ... ..                                          | 520928        |
|                                                                                     | Bead ... ..                                           | 520912        |
|                                                                                     | Nut, fixing, base bolt ... ..                         | 177074        |
|   | Base ... ..                                           | 522546        |
|                                                                                     | Nut, fixing, base stud ... ..                         | 175041        |
|                                                                                     | <b>LAMP, STOP TAIL &amp; REVERSE, 464</b>             | <b>53201</b>  |
|                                                                                     | Rim ... ..                                            | 572063        |
|   | Lens ... ..                                           | 571990        |
|                                                                                     | Grommet ... ..                                        | 526302        |
|                                                                                     | Interior assembly ... ..                              | 552101        |
|                                                                                     | Channel, rubber ... ..                                | 571979        |
|   | <b>LAMP, NUMBER PLATE ILLUMINATION, 467</b>           | <b>53093</b>  |
|                                                                                     | Body assembly ... ..                                  | 572603        |
|                                                                                     | Window ... ..                                         | 572596        |
|                                                                                     | Grommet ... ..                                        | 572039        |
|  | Gasket, window ... ..                                 | 572595        |
|                                                                                     | Set of sundries ... ..                                | 572588        |
|                                                                                     | <b>HORN, WT614, Low Note</b>                          | <b>69021</b>  |
|                                                                                     | <b>High Note</b>                                      | <b>69022</b>  |
|  | Cover ... ..                                          | 600805        |
|                                                                                     | Bracket ... ..                                        | 690617        |
|                                                                                     | Contact set ... ..                                    | 690741        |
|                                                                                     | <b>CONTROL BOX, RF95/2 L2</b>                         | <b>37065</b>  |
|  | Cover ... ..                                          | 334956        |
|                                                                                     | Clip ... ..                                           | 334906        |
|                                                                                     | Resistance ... ..                                     | 334977        |
|                                                                                     | Fuse (35 amp.) ... ..                                 | 188218        |

