

LUCAS

Quality

EQUIPMENT

&

SPARE PARTS



1958

A.M.C.

(A.J.S. — MATCHLESS)

MOTOR CYCLES

A.J.S. 350 c.c. '16MS'; 500 c.c. '18S'; Matchless 350 c.c. 'G3LS' and 500 c.c. 'G80' (Single cylinder)

A.J.S. 500 c.c. '20'; 600 c.c. '30'; Matchless 500 c.c. 'G9' and 600 c.c. 'G11' (Twin cylinder)

A.J.S. 350 c.c. '16MCS'; 500 c.c. '18CS' & '18CT'; Matchless 350 c.c. 'G3LCS' & 500 c.c. 'G80CS' (Competition)

JOSEPH LUCAS (SALES & SERVICE) LTD · BIRMINGHAM 18 · ENGLAND



EQUIPMENT SPECIFICATIONS AND PAGE INDEX

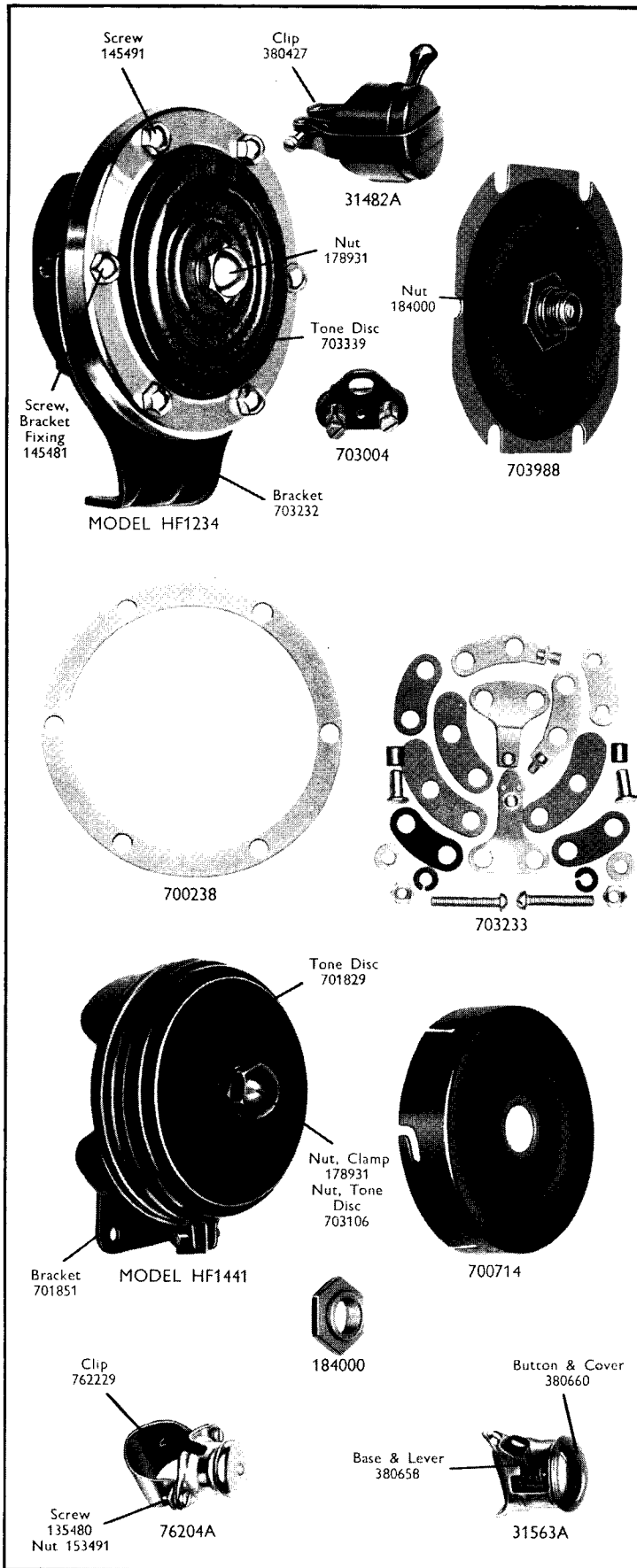
| UNIT | For details and illustrations see page | Single Cylinder Models | | Twin Cylinder Standard and "Sports" (U.S.A. only) Models | | Competition Models | |
|--|--|---|----------|---|-------------------|--|----------|
| | | A.J.S. 350 c.c. "16MS" and 500 c.c. "185" Matchless 350 c.c. "G3LS" and 500 c.c. "G80S" | | A.J.S. 500 c.c. "20" and 600 c.c. "30" Matchless 500 c.c. "G9" and 600 c.c. "G11" | | A.J.S. 350 c.c. "16MCS" 500 c.c. "18CS" and "18CT" Matchless 350 c.c. "G3LCS" and 500 c.c. "G80CS" | |
| | | Model | Part No. | Model | Part No. | Model | Part No. |
| ALTERNATOR (later) | 7 | RM15 | 047524 | — | — | — | — |
| | 7 | RM15 | 047534 | — | — | — | — |
| AMMETER | 5 | CZU27 | *36084F | CZU27 | *36084F | CZU27 | *36084F |
| BATTERY | — | PUZ7E-11 | — | PUZ7E-11 | — | PUZ7E-11 | — |
| CABLE HARNESS | — | — | 865225 | — | 837351 ‡865136 | — | 838671 |
| COIL, IGNITION | 7 | MA6 | 45077B | — | — | — | — |
| CONTROL BOX | 5 | — | — | RB108 | 37252A | MCR2 | 37144A |
| CONTACT BREAKER | 7 | CA1A | †47578D | RB108 | ‡37225E | MCR2 | 37144B |
| | | CA1A | ‡47579D | — | — | — | — |
| GENERATOR | 7 | — | — | E3L | 20035A | E3N | 20038B |
| HORN | 3 | HF1441 | 70137A | HF1441 | 70137A | HF1234 | 069446 |
| | | | | HF1441 | ‡70136A | | |
| HORN PUSH | 3 | — | — | — | — | 4A | 76204A |
| HORN PUSH AND DIPPER SWITCH ... | 3 | 255A | 31563D | 255A | 31563D | — | — |
| LAMPS | | | | | | | |
| Head | | | | | | | |
| Home (later) | 4-5 4-5 | MCH57 | 58135A | MCH57 | 58177A | MU42 | 50791D |
| | | — | — | MCH57 | 58151A | — | — |
| Export, vertical dip (later) | 4-5 4-5 | MCH57 | 58136A | MCH57 | 58178A | MU42 | 50791D |
| | | — | — | MCH57 | 58152A | — | — |
| | | | | MU42 | ‡50791D | | |
| Export, Europe not France (later) | 4-5 4-5 | MCH57 | 58137A | MCH57 | 58179A | — | — |
| | | — | — | MCH57 | 58153A | — | — |
| Export, France (later) | 4-5 4-5 | MCH57-EF | 58138A | MCH57-EF | 58180A | — | — |
| | | — | — | MCH57-EF | 58154A | — | — |
| Stop tail and number plate (U.S.A. only) ... | 5 | — | — | — | — | 529 | 53429A |
| Stop tail, number plate and reflex | 5 | 564 | 53432B | 564 | 53432B | 564 | 53432B |
| MAGNETO | 6 | — | — | K2F | 42330D | NC1 | 42347D |
| MAGNETO (U.S.A. only) | 6 | — | — | K2F | ‡42264A | NC1 | 42371A |
| RECTIFIER | 7 | — | 47111A | — | — | — | — |
| SWITCHES | | | | | | | |
| Dipper | 3 | — | — | — | — | 9 | 31482A |
| Lighting (later) | 4-5 4-5 | — | — | U39 | *31340A | U39 | *31340A |
| | | — | — | 41SA | *31754A | — | — |
| Lighting and ignition | 4-5 | PRS8 | 31443E | — | — | — | — |
| Stop lamp | 5 | 22B | 31384B | 22B | 31384B | 22B | 31384B |
| Spring | 5 | — | 315543 | — | 315543 | — | 315543 |

† 350 c.c.

‡ 500 c.c.

* Part of headlamp assembly

‡ Sports, U.S.A. only



DIPPER SWITCH

| | |
|-------------------------|--------|
| Model | 9 |
| Part No. | 31482A |
| Detailed Parts | |
| §Clip | 380427 |
| §Screw, terminal | 120610 |

HORNS

| | | | |
|----------------------------------|--------|--------|--------|
| Model | HF1234 | HF1441 | HF1441 |
| Part No. | 069446 | 70137A | 70136A |
| Detailed Parts | | | |
| §Bracket | 703232 | 701851 | 701851 |
| Tone disc | 703339 | 701829 | 701829 |
| Screw, bracket fixing | 145481 | — | — |
| Screw, cover fixing | 145491 | — | — |
| Nut, tone disc | — | 703106 | 703106 |
| Nut, clamp, front | 178931 | 178931 | 178931 |
| §Diaphragm | 703988 | 700714 | 700714 |
| Nut, diaphragm fixing | 184000 | 184000 | 184000 |
| Washer, diaphragm packing | 700238 | — | — |
| §Contact set | 703233 | 703233 | 703233 |
| Terminal block | 703004 | 703004 | 703004 |
| §Sundry parts set | 703235 | 703235 | 703235 |

HORN PUSH

| | |
|-------------------------|--------|
| Model | 4A |
| Part No. | 76204A |
| Detailed Parts | |
| §Screw, terminal | 119520 |
| Clip, fixing | 762229 |
| §Screw, fixing | 135480 |
| §Nut, fixing | 153491 |

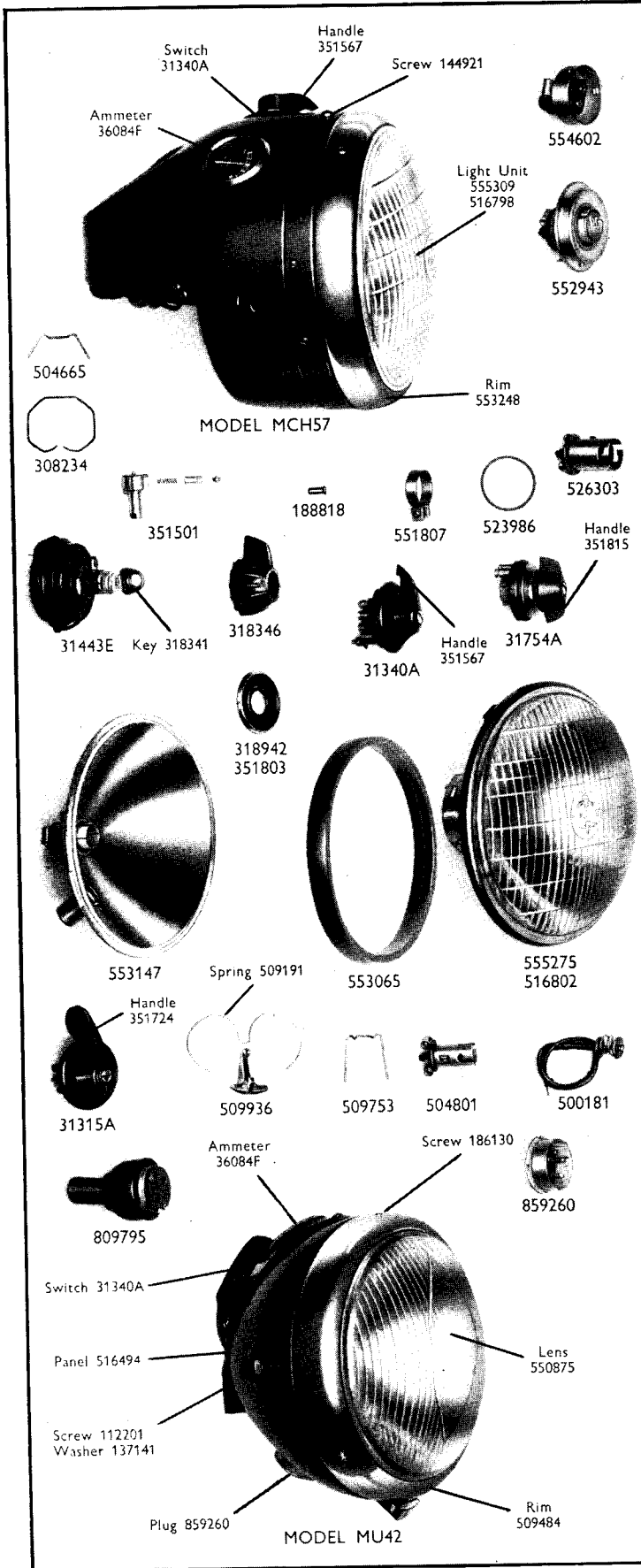
HORN PUSH AND DIPPER SWITCH

| | |
|-------------------------|--------|
| Model | 25SA |
| Part No. | 31563D |
| Detailed Parts | |
| Button and cover | 380660 |
| Base and lever | 380658 |
| §Screw, terminal | 120610 |

§Recommended spares for stock



HEADLAMPS



Home — Dip Left

| Model Part No. | MCH57 58135A | MCH57 58177A | MCH57 58151A |
|-----------------------|--------------|--------------|--------------|
| Detailed Parts | | | |
| §Light unit | 555309 | 555309 | 555309 |
| §Bulbholder, main | 554602 | 554602 | 554602 |
| §Bulb, main | 373 | 373 | 373 |

Export, Vertical Dip

| Model Part No. | MCH57 58136A | MCH57 58178A | MCH57 58152A |
|-----------------------|--------------|--------------|--------------|
| Detailed Parts | | | |
| §Light unit | 516798 | 516798 | 516798 |
| §Bulbholder, main | 554602 | 554602 | 554602 |
| §Bulb, main | 312 | 312 | 312 |

Export, Europe except France

| Model Part No. | MCH57 58137A | MCH57 58179A | MCH57 58153A |
|-----------------------|--------------|--------------|--------------|
| Detailed Parts | | | |
| §Light unit | 555275 | 555275 | 555275 |
| §Bulbholder, main | 554602 | 554602 | 554602 |
| §Bulb, main | 403 | 403 | 403 |

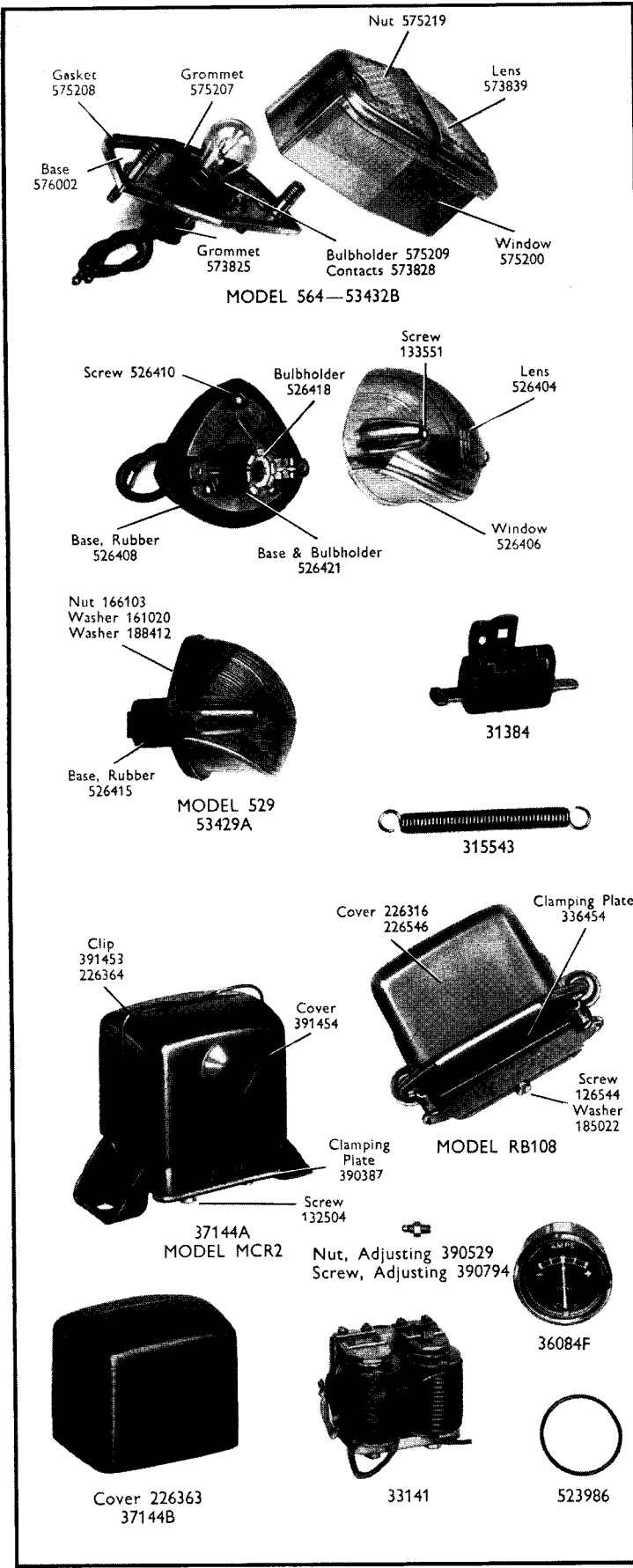
Export, France

| Model Part No. | MCH57-EF *58138A | MCH57-EF *58180A | MCH57-EF *58154A |
|----------------------------|------------------|------------------|------------------|
| Detailed Parts | | | |
| §Light unit | 516802 | 516802 | 516802 |
| §Backshell | 552943 | 552943 | 552943 |
| § Bulbholder, main | 562303 | 562303 | 562303 |
| § Bulb, main | 562306 | 562306 | 562306 |
| Clip and screw, bulbholder | 562306 | 562306 | 562306 |

Parts shown below are standard to lamps in appropriate column

| | | | |
|--|--------|--------|--------|
| §Rim or door | 553248 | 553248 | 553248 |
| § Wire, rim fixing | 504665 | 504665 | 504665 |
| §Screw, rim fixing | 144921 | 144921 | 144921 |
| §Plate, rim fixing screw | 554408 | 554408 | 554408 |
| §Ammeter | 36084 | 36084 | 36084 |
| § Ring, rubber, ammeter seating | 523986 | 523986 | 523986 |
| § Nut, terminal | 166043 | 166043 | 166043 |
| § Washer, lock | 185022 | 185022 | 185022 |
| §Switch, lighting or lighting and ignition | 31443 | 31340 | 31754 |
| § Key | 318341 | — | — |
| § Shaft head piece | — | 351501 | 351789 |
| § Roller, contact | — | 351660 | 351660 |
| § Plunger, contact | — | 351661 | 351661 |
| § Spring, contact plunger | — | 351662 | 351662 |
| § Screw, terminal | 120584 | 120560 | 120560 |
| § Spring, switch fixing | — | 308234 | — |
| § Ring, rubber, switch fixing | — | 523986 | — |
| § Nut, contact stud | — | 166103 | — |
| § Grommet | 318323 | — | — |
| § Rotor, lighting | 313053 | — | — |
| § Terminal, lighting | 318324 | — | — |
| § Rotor, ignition | 313052 | — | — |
| § Terminal, ignition | 318316 | — | — |
| § Nut, fixing | 180670 | — | — |
| § Cap and plate | 318331 | — | — |
| § Screw, body fixing | 198887 | — | — |
| § Nut, spindle | 169290 | — | — |
| § Knob or handle, with screw | 318346 | 351567 | 351815 |
| § Screw, fixing | 319333 | 101893 | 127291 |
| § Washer, fixing screw | — | 188408 | 185038 |
| § Disc, insulating | 318344 | — | — |
| § Plate, escutcheon | 318942 | — | 351803 |
| § Sleeve, terminal | 188818 | 188818 | 188818 |
| § Bulbholder, pilot | 554710 | 554710 | 554710 |
| § Interior, pilot | 553780 | 553780 | 553780 |
| § Ring, pilot, bulbholder seating | 554354 | 554354 | 554354 |
| § Bulb, pilot | 988 | 988 | 988 |
| § Washer, cable grip | 516285 | 516285 | 516285 |
| § Nut, fixing, top shell to bottom shell | 177014 | 177014 | 177014 |
| § Washer, fixing nut | 188329 | 188329 | 188329 |
| § Screw, fixing, top shell to fixing ring | 572261 | 572261 | 572261 |
| § Nut, top shell screw | 166103 | 166103 | 166103 |
| § Washer, top shell screw | 188412 | 188412 | 188412 |
| § Screw, lamp fixing | 112560 | 112560 | 112560 |
| § Washer, lamp fixing screw | 137499 | 137499 | 137499 |

§Recommended spares for stock †Order separately *Supplied less bulb



HEADLAMPS (Continued)

| Model Part No. | MU42 50791D |
|------------------------------|-------------|
| §Panel | 516494 |
| §Screw, panel fixing | 186130 |
| §Ammeter | 36084 |
| §Ring, rubber | 523986 |
| §Nut, terminal | 166043 |
| §Washer, lock | 185022 |
| §Switch | 31340 |
| §Handle, with fixing screw | 351567 |
| §Screw, handle fixing | 101893 |
| §Shaft head piece | 351501 |
| §Roller, contact | 351660 |
| §Plunger, contact | 351661 |
| §Spring, contact plunger | 351662 |
| §Screw, terminal | 120560 |
| §Spring, switch fixing | 308234 |
| §Ring, rubber, switch fixing | 523986 |
| §Washer, handle fixing screw | 188408 |
| §Nut, contact stud | 166103 |
| §Screw, cable clip | 186128 |
| §Washer, cable clip screw | 188453 |
| §Rim or door, with lens | 509484 |
| §Wire set, lens fixing | 509753 S |
| §Lens | 550875 |
| §Bead, rubber | 553065 |
| §Reflector | 553147 |
| §Bulbholder, main | 504801 |
| §Clip and screw, bulbholder | 51807 |
| §Interior, bulbholder pilot | 500181 |
| §Washer, cable grip | 516285 |
| §Bulb, main | 168 |
| §Bulb, pilot | 200 |
| §Catch, rim fixing | 509336 |
| §Spring, rim catch | 509191 |
| §Screw, lamp fixing | 112201 |
| §Washer, lamp fixing screw | 137141 |
| §Sleeve, terminal | 188818 |
| §Plug | 859260 |
| §Screw, plug fixing | 133303 |
| §Nut, plug fixing screw | 166103 |
| §Washer, plug fixing screw | 185012 |
| §Ring, plug retaining | 516409 |
| §Socket | 809795 |
| §Body | 516402 |

STOP TAIL, REFLEX & NUMBER PLATE

| Model Part No. | 564 53432B |
|-------------------------------|------------|
| §Lens | 573839 |
| §Window | 575200 |
| §Nut, lens fixing | 575219 |
| §Gasket, lens seating | 575208 |
| §Base, with lens fixing screw | 576002 |
| §Grommet, bulbholder | 575207 |
| §Bulbholder, shell | 575209 |
| §Interior, bulbholder | 573828 |
| §Bulb | 384 |
| §Grommet, cable | 573825 |
| §Nut, lamp securing | 166014 |
| §Washer, securing | 188327 |
| §Washer, fixing bolt spacer | 131023 |

STOP TAIL & NUMBER PLATE

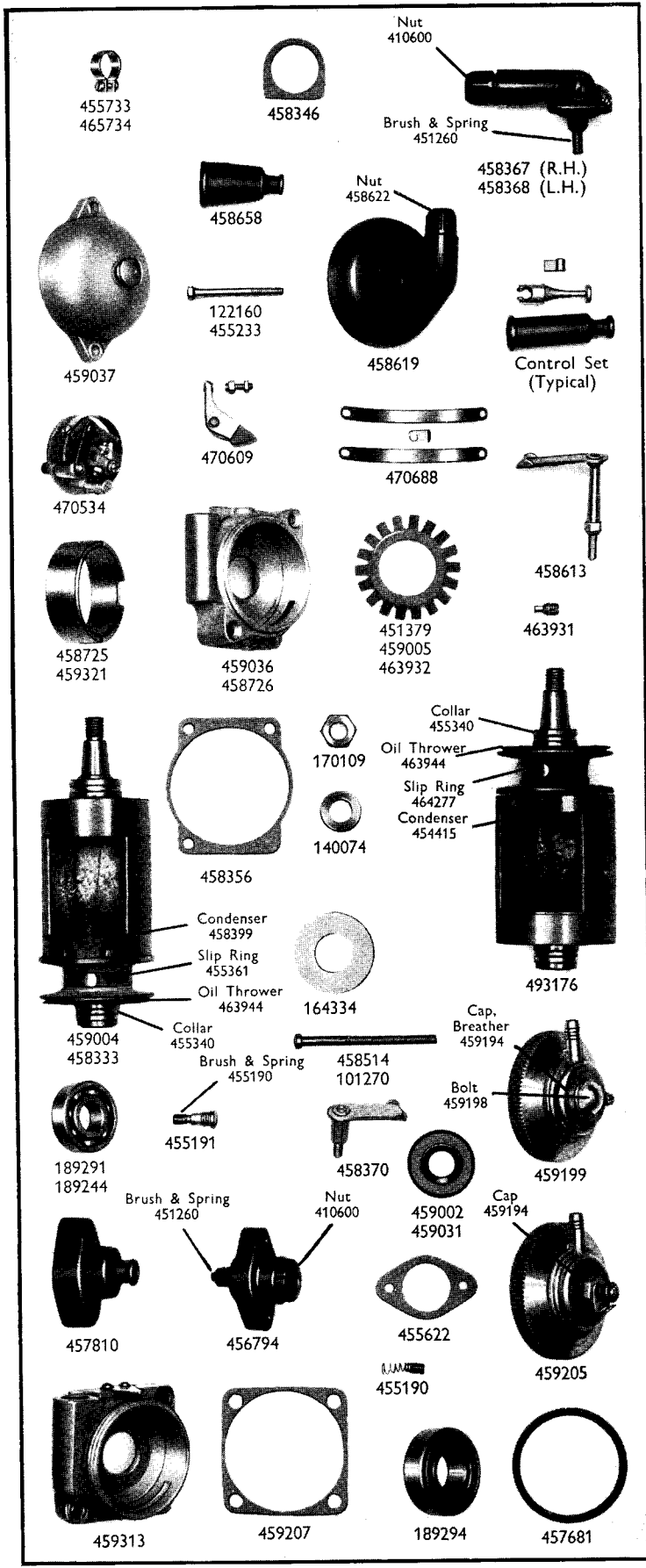
| Model Part No. | 529 53429A |
|------------------------------------|------------|
| §Lens | 526404 |
| §Window | 526406 |
| §Screw, fixing | 133551 |
| §Base, with bulbholder and bracket | 526421 |
| §Bulbholder | 526418 |
| §Interior | 573828 |
| §Base, rubber | 526415 |
| §Screw, base fixing | 526410 |
| §Washer, screw retaining | 161020 |
| §Nut, base screw | 166103 |
| §Washer, base fixing screw | 188412 |
| §Bulb | 384 |

CONTROL BOXES

| Model Part No. | MCR2 37144A | MCR2 37144B | RB108 37252A | RB108 37252E |
|-------------------------------|-------------|-------------|--------------|--------------|
| §Cover | 391454 | 226363 | 226546 | 226316 |
| §Clip, cover fixing | 391453 | 226364 | — | — |
| §Regulator | 33141 | — | — | — |
| §Screw, regulator fixing | 100384 | — | — | — |
| §Washer, fixing screw | 185038 | — | — | — |
| §Clamping plate | 390387 | 390387 | 336454 | 336454 |
| §Screw, clamping plate fixing | 132504 | 132504 | 126544 | 126544 |
| §Washer, fixing screw | — | — | 185022 | 185022 |
| §Screw, adjusting | 390794 | 390794 | 390794 | 390794 |
| §Nut, adjusting screw | 390529 | 390529 | 390529 | 390529 |
| §Nut, bobbin fixing | — | — | 166014 | 166014 |
| §Washer, bobbin fixing nut | — | — | 185022 | 185022 |

§Recommended spares for stock

||Order separately



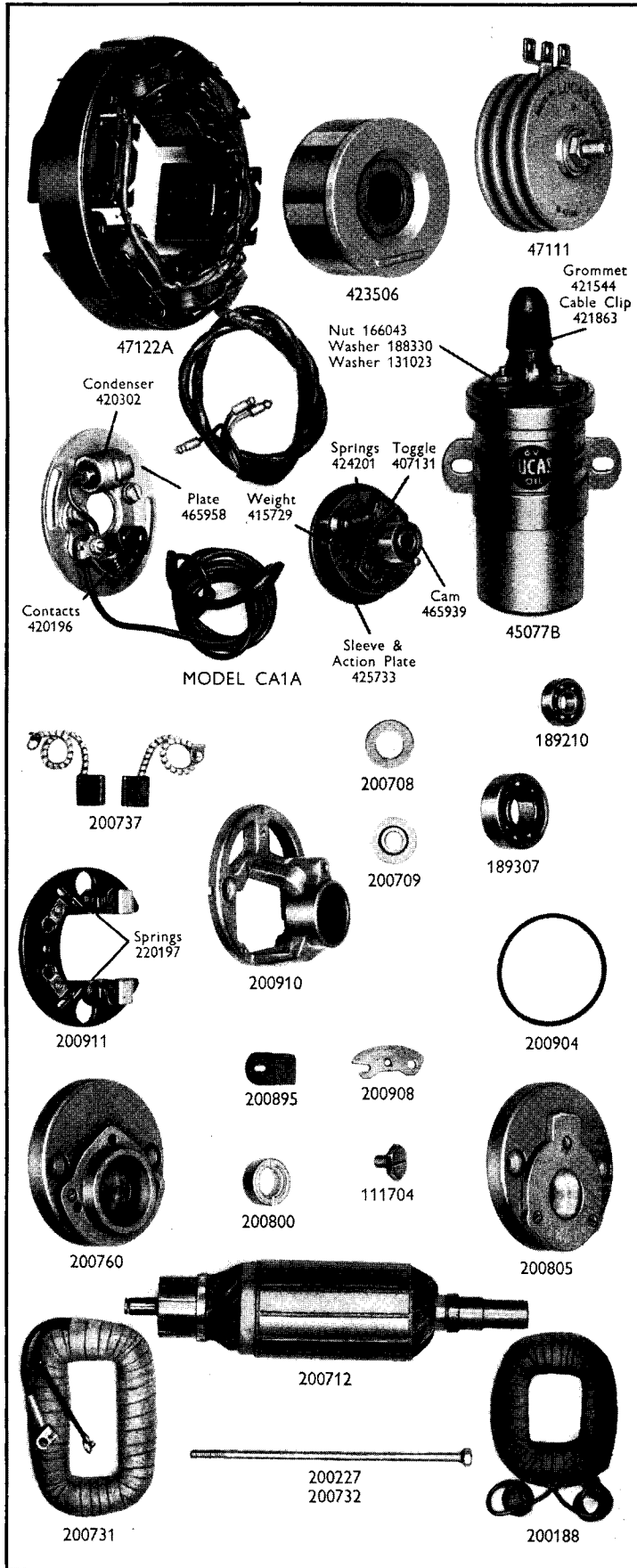
MAGNETOS

| Model Part No. | K2F 42230D | K2F 42264A |
|--|------------|------------|
| Clip, pickup cover | 455734 | 455734 |
| Cover, pickup (rubber) | 458658 | 458658 |
| Pick-up (right hand) | 458367 | 458367 |
| Pick-up (left hand) | 458368 | 458368 |
| Brush and spring | 451260 | 451260 |
| Nut, securing high tension cable | 410600 | 410600 |
| Washer, seating | 458346 | 458346 |
| Cover, contact breaker | 459037 | 458619 |
| Nut, securing ignition cutout cable | — | 458622 |
| Screw, fixing contact breaker | 122160 | 122160 |
| Contact breaker | 470534 | 470534 |
| Contact set | 470609 | 470609 |
| Springs, ser, contact actuating | 470688 | 470688 |
| Brush, contact breaker fixing screw | 470555 | 470555 |
| Brush and spring, earthing | 470537 | 470537 |
| Control set, advance and retard | 458364 | 463107 |
| Cover, control set (rubber) | 454475 | 454475 |
| Plunger, controlling cam | 454969 | 454969 |
| Nipple, control cable | 455788 | 455788 |
| Cam | 458725 | 458725 |
| Pin and spring, securing contact breaker cover | 458613 | 458613 |
| Plate, housing contact breaker | 459036 | 458726 |
| Cup, insulating bearing | 451379 | 451379 |
| Pin, cam timing screw | 186060 | 186060 |
| Screw, cam timing | 463931 | 463931 |
| Shim, .005" thick, packing contact breaker housing | 458356 | 458356 |
| Nut, securing gear or sprocket | 170109 | 170109 |
| Washer, gear securing nut | 140074 | 140074 |
| Armature | 459004 | 458333 |
| Slip ring | 455361 | 455361 |
| Bolt, through fixing | 458514 | 458514 |
| Condenser | 458339 | 458339 |
| Thrower, oil | 463944 | 463944 |
| Washer, oil thrower (linen) | 164334 | 164334 |
| Collar, spacing | 455340 | 455340 |
| Bearing, contact breaker end | 189291 | 189291 |
| Bearing, driving end | 189244 | 189244 |
| Brush, spring and holder, earthing | 455191 | 455191 |
| Brush and spring, earthing | 455190 | 455190 |
| Pin and spring, securing pick-up | 458370 | 458370 |
| Seal, oil bearing | 459002 | 459031 |
| Cup, insulating driving end bearing | 459005 | 451379 |
| Sundry parts, set | 458675 | 458675 |

MAGNETOS

| Model Part No. | NC1 42347D | NC1 42371A |
|--|------------|------------|
| Detailed Parts | | |
| Clip, pick up cover | 455733 | 455733 |
| Cover, pick up, rubber | 457810 | 457810 |
| Pick up | 456794 | 456794 |
| Brush and spring | 451260 | 451260 |
| Nut, securing high tension cable | 410600 | 410600 |
| Washer, seating | 455622 | 455622 |
| Cover, contact breaker | 459199 | 459205 |
| Brush and spring | — | 455190 |
| Ring, sealing, rubber | 457681 | 457681 |
| Bolt, securing breather cap | 459198 | — |
| Cap, breather or baffle | 459194 | 459194 |
| Screw, fixing contact breaker | 455233 | 455233 |
| Contact breaker | 470534 | 470534 |
| Contact set | 470609 | 470609 |
| Springs set, contact actuating | 470688 | 470688 |
| Brush, contact breaker fixing screw | 470555 | 470555 |
| Brush and spring, earthing | 470537 | 470537 |
| Clip, securing, control set rubber cover | 455734 | 455734 |
| Control set, advance and retard | 459305 | 459305 |
| Cover, control set, rubber | 454475 | 454475 |
| Plunger, controlling cam | 493304 | 493304 |
| Nipple, control cable | 455788 | 455788 |
| Cam | 459321 | 459321 |
| Plate, housing contact breaker | 459313 | 459313 |
| Cup, insulating bearing | 463932 | 463932 |
| Pin, cam timing screw | 186060 | 186060 |
| Screw, cam timing | 463931 | 463931 |
| Shim, .005" thick, packing contact breaker housing | 452907 | 452907 |
| Nut, securing gear or sprocket | 170109 | 170109 |
| Washer, gear securing nut | 140074 | 140074 |
| Armature | 493176 | 493176 |
| Slip ring | 464277 | 464277 |
| Bolt, through fixing | 101270 | 101270 |
| Condenser | 454415 | 454415 |
| Thrower, oil | 463944 | 463944 |
| Washer, oil thrower, linen | 164334 | 164334 |
| Collar, spacing | 455340 | 455340 |
| Bearing, contact breaker and drive end | 189294 | 189294 |
| Brush, spring and holder, earthing | 455191 | 455191 |
| Brush and spring | 455190 | 455190 |
| Seal, oil, bearing | 459031 | 459031 |
| Cup, insulating driving end bearing | 463932 | 463932 |
| Sundry parts set | 454697 | 454697 |

§Recommended spares for stock



ALTERNATORS

| Model | RM15 | RM15 |
|---------------------------|---------|---------|
| Part No. | †047524 | †047534 |
| Detailed Parts | | |
| Rotor | 423506 | 423506 |
| §Stator | 47122A | 47122A |
| Pad, insulating | 465918 | 465918 |
| Clip, cable | 465717 | 465717 |
| Screw, cable, clip fixing | 186092 | 186092 |
| Washer, fixing screw | 128013 | 128013 |
| Nut, locking | 465909 | — |
| Washer, locking | 465910 | — |
| *Rectifier | 47111 | 47111 |

CONTACT BREAKER UNITS

| Model | CA1A | CA1A |
|------------------------------|----------|----------|
| Part No. | 47578D | 47579D |
| Detailed Parts | | |
| Screw, plate fixing | 126524 | 126524 |
| Washer, spring, screw fixing | 185022 | 185022 |
| Plate assembly | 465958 | 465958 |
| Nut, terminal | 166094 | 166094 |
| Washer, plain, terminal | 131023 | 131023 |
| Washer, insul, terminal | 161353 | 161353 |
| §Contact set | 420196 | 420196 |
| Bush, insulating | 419950 | 419950 |
| §Condenser | 420302 | 420302 |
| §Cam | 465939 | 465939 |
| §Springs, set, auto-advance | 424201/S | 416136/S |
| §Toggle | 407131 | 407131 |
| §Weight | 415729 | 415729 |
| §Sleeve and action plate | 425733 | 425733 |

COIL, IGNITION

| Model | MA6 |
|---------------------------------|--------|
| Part No. | 45077B |
| Detailed Parts | |
| §Grommet, rubber | 421554 |
| Clip, cable contact | 421863 |
| §Nut, switch and C.B. terminals | 166043 |
| Washer, shakeproof | 188330 |
| Washer, plain | 131023 |

GENERATORS

| Model | E3L | E3N |
|-------------------------------------|--------|--------|
| Part No. | 20035A | 20038B |
| Detailed Parts | | |
| §Brushes, set | 200737 | 200737 |
| §Bracket or frame, commutator end | 200910 | 200910 |
| §Bearing, commutator end | 189210 | 189210 |
| Washer, felt bearing | 200708 | 200708 |
| Cup, felt bearing washer | 200709 | 200709 |
| §Insulating plate, with brush boxes | 200911 | 200911 |
| Spring, set, brush tension | 220197 | 220197 |
| Ring, sealing, rubber | 200904 | 200904 |
| Grommet, cable | 200895 | 200895 |
| §Cover, commutator end | 200918 | 200918 |
| Plate, clamp terminal | 200908 | 200908 |
| §Bearing, drive end | 189307 | 189307 |
| §Bracket or frame, drive end | 200760 | 200805 |
| Plate, bearing | 200748 | 200799 |
| Oil seal | 188614 | — |
| §Screw, gear retaining | 111704 | — |
| Nut, bearing retaining | — | 200800 |
| §Armature | 200712 | 200802 |
| §Field coils, set | 200731 | 200188 |
| §Bolt, through fixing | 200732 | 200227 |
| §Sundry parts, set | 200806 | 200806 |

†For reference only. Serviced by stator and rotor
 §Recommended spares for stock
 *Order separately

LATER INFORMATION

(Additional to Parts List CE825C, 1958)

A.J.S. 250 c.c. '14' and MATCHLESS 250 c.c. 'G2'

Electrical equipment

| | |
|--------------------------------|----------|
| Battery | PUZ7E-11 |
| Horn, HF1849 | 70146B |
| Nut, Tone Disc | 165498 |
| Washer, Adjusting Screw | 131023 |
| Screw, Adjusting | 705098 |
| Tone, Disc | 705108 |
| Screw, Cover | 113030 |
| Cover | 705085 |
| Ring, Cover sealing | 705068 |
| Support, Cover | 705086 |