

LUCAS

Quality

EQUIPMENT

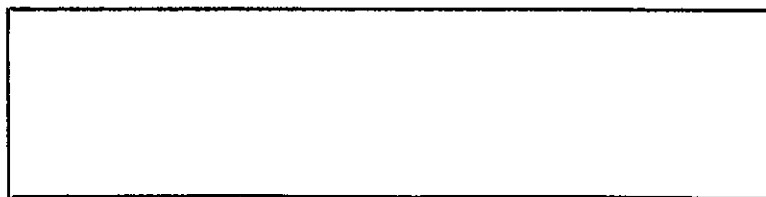


CAR EQUIPMENT DETAILS
AND SPARE PARTS FOR

CITROEN

LIGHT FIFTEEN SALOON

1950



JOSEPH LUCAS LTD • BIRMINGHAM 19 • ENGLAND

LUCAS

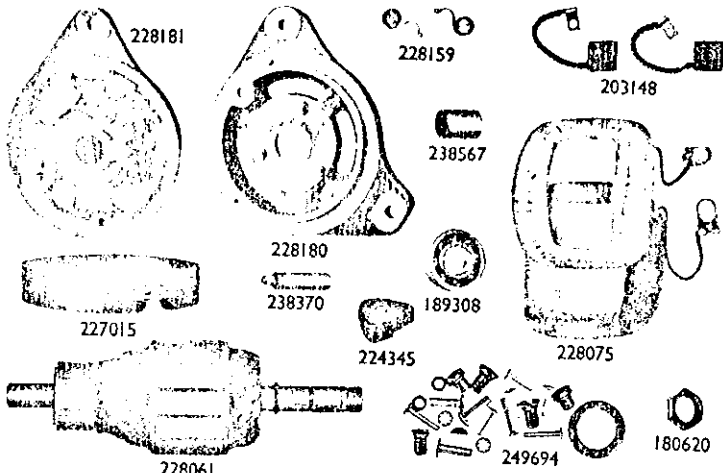
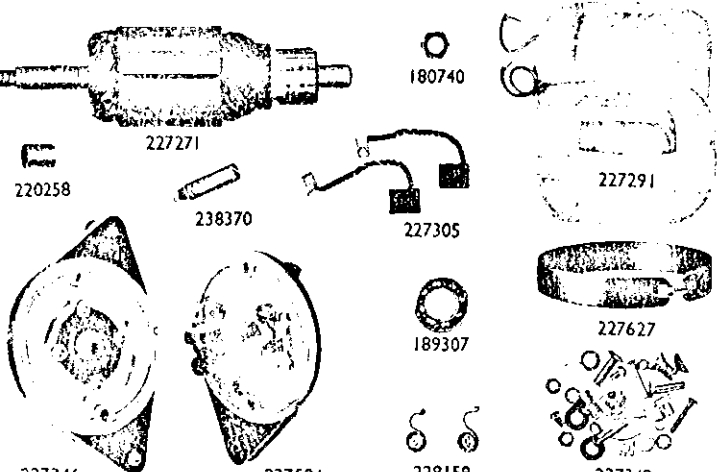
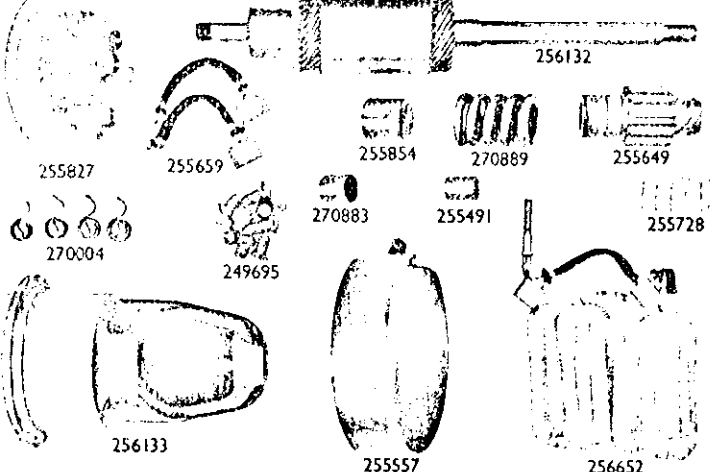
ORIGINAL EQUIPMENT

EQUIPMENT SPECIFICATION

UNIT	MODEL & TYPE	SERVICE No.	SERVED BY	REMARKS
DYNAMO	C39PV L-0	22250E	22250E	From May, 1950
	C45YV3 CJ26	22416A	22416A	
STARTER	M418G CJ26	25531A	25531A	
SWITCH, STARTER	ST950	76411B	76411B	
DISTRIBUTOR	DKYH4A CJ32	40219A	40219A	
COIL, IGNITION	Q12 L-0	45020A	45020A	
SWITCH BOX	PLC6 LI21	34025A	34025A	
SWITCH, SOLENOID OPERATING	SS5 L2	317063	317063	
AMMETER	CZ34 L4	36075A	36075A	
LIGHT, WARNING	WL12	38052B	38052B	U.S.A.
RELAY	LIR	33095A	33095A	U.S.A.
SWITCH, STEERING COLUMN CONTROL	SC60	31129A	31129A	
CONTROL BOX	RF95/2 L-0	37057E	37057E	
LAMP, HEAD	MBD140	50717D	50717D	Right Hand Home
	MBD140-EDS	50716D	50716D	Left Hand Home
	MBD140	50718A	50718A	Export to Belgium
	S700	50775D	50775D	Export to other Countries
LAMP, SIDE	I130	52030A	52030A	
LAMP, STOP TAIL	ST38C	53063B	53063B	
	488	53151A	53151A	Export
LAMP, NUMBER PLATE ILLUMINATION ...	467/2	53093E	53093E	Export
TRAFFICATOR	SF34J	54017A	54017A	
SCREENWIPER	CR2 CJ30	072645	75055B	
HORNS	WT614	69011D	69011D	Low Note
		69012D	69012D	High Note

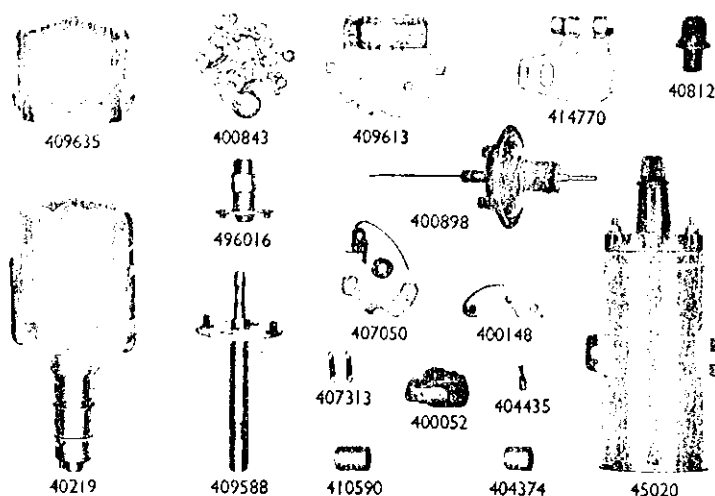
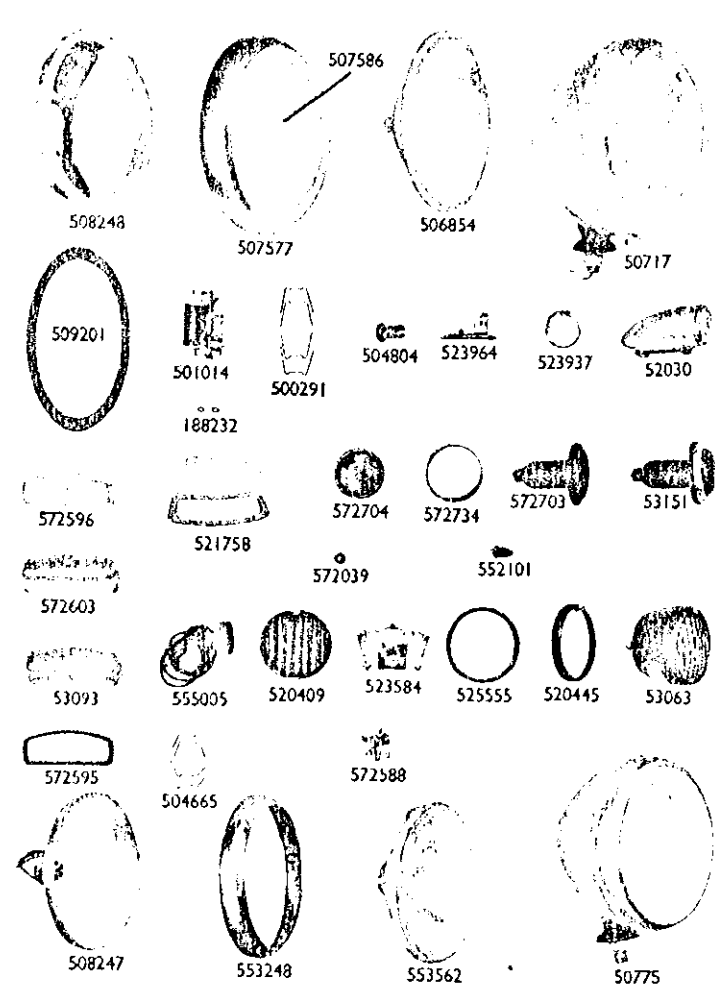


LUCAS SPARE PARTS

ILLUSTRATION	DESCRIPTION OF PART	ORDERING No.
	DYNAMO, C45PV3 CJ26 ...	22416
	Cover, band	227015
	Brush set	203148
	Bracket, commutator end	228181
	Bearing, commutator end	238567
	Oiler	238370
	Springs, set, brush	228159
	Terminal block	224345
	Bearing, drive end	189308
	Bracket, drive end	228180
	Nut, shaft	180620
	Armature	228061
	Coils, field	228075
	Sundry parts, set	249694
	DYNAMO, C39PV L-0 (later fitment)	22250
	Cover, band	227627
	Brush set	227305
	Bracket, commutator end	227594
	Bearing bush, commutator end	220258
	Oiler	238370
	Springs, set, brush	228159
	Bearing, drive end	189307
	Bracket, drive end	227346
	Nut, shaft	180740
	Armature	227271
	Coils, field	227291
	Sundry parts, set	227349
	STARTER, M418G CJ26 ...	25531
	Cover, band	255557
	Cap, shaft	255854
	Brushes, pair	255659
	Bracket commutator end	255827
	Bush, commutator end	255491
	Springs, set, brush	270004
	Spring, main	270889
	Pinion and sleeve	255649
	Spring, pinion retaining	255728
	Bracket, drive end	256133
	Bush, drive end	270883
	Armature	256132
	Coils, field	256652
	Sundry parts, set	249695

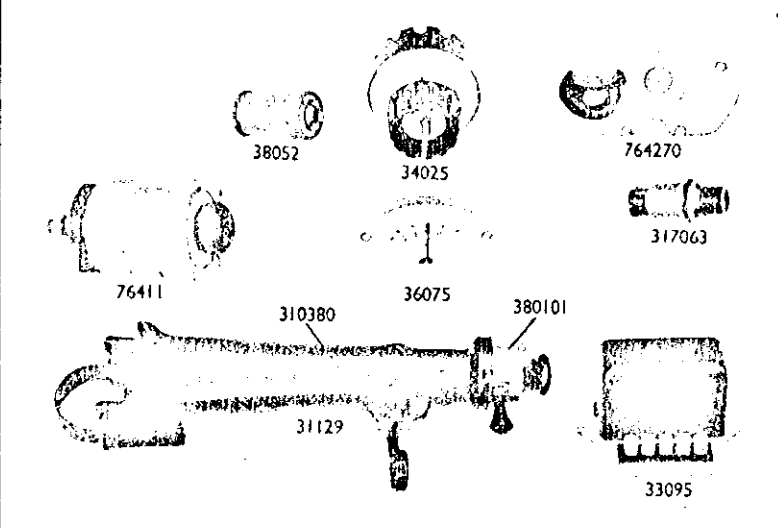
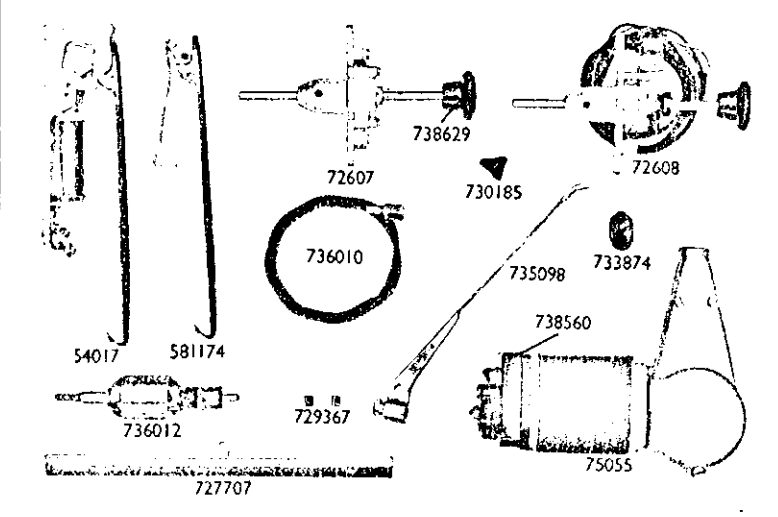
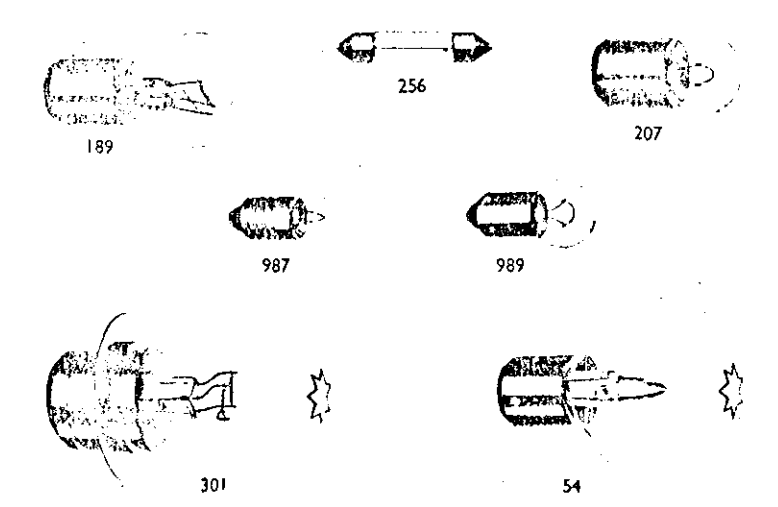


LUCAS SPARE PARTS

ILLUSTRATION	DESCRIPTION OF PART	ORDERING No.
	COIL, Ignition, Q12 L-0 ... Nut, H.T. terminal DISTRIBUTOR, DKYH4A CJ32 ... Lever assembly Cover Brush and spring Rotor arm Contact set Condenser Unit, vacuum Cam Springs, auto advance Weights, auto advance Shaft and action plate Bearing bush, top Bearing bush, bottom Sundry parts, set	45020 408120 40219 414770 409635 404435 400052 400898 400843 409613 414770 408120 40219 409588 410590 404374 45020
	HEADLAMP, MBD140 Right Hand Home ... Rim and glass Wire, glass fixing Glass Bead, rubber Reflector Bulb holder, single contact HEADLAMP, MBD140EDS Left Hand Home ... Unit, dipper Fuse Reflector Rim, extension Otherwise as 50717. HEADLAMP, MBD140 Export, Belgium ... Reflector Bulb holder, double contact Otherwise as 50717. HEADLAMP, S700, Export ... Rim Wire, light unit fixing Adaptor, double contact Unit, light LAMP, SIDE, I130 ... Rim Bulb holder LAMP, STOP TAIL, ST38C ... Rim Glass Bead Partition assembly Window, with fixing parts LAMP, STOP TAIL, 488, Export ... Rim Lens Body, rubber Interior LAMP, NUMBER PLATE ILLUMINATION, 467/2 Export ... Window Body Gasket, window Grommet, cable Sundry parts, set	50717 507577 500291 507586 509201 509201 506854 50717 50716 501014 188232 508247 508248 50718 506855 504801 50775 553248 504665 555005 553562 52030 523937 523964 53063 520445 525555 523584 521758 53151 572734 572704 572703 552101 53093 572596 572603 572595 553248 553562 50775

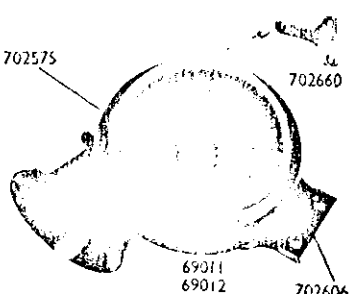
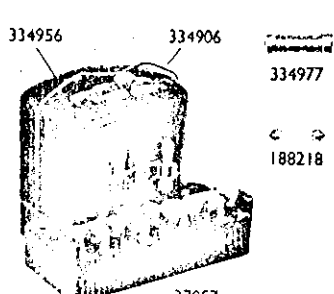


LUCAS SPARE PARTS

ILLUSTRATION	DESCRIPTION OF PART	ORDERING No.
	INSTRUMENT PANEL PARTS	
	Ammeter, CZ34 L4	36075
	Switch box, PLC6 LI2I	34025
	Switch, solenoid operating, SS5 L2	317063
	Light, warning, WL12 (U.S.A.) ...	38052
	Switch, starter, ST950	76411
	Plate, adaptor, DSTI	764270
	RELAY, LIR (U.S.A.)	33095
	CONTROL ARM	31129
	Switch, trafficator TS82, control arm	310380
	Switch, horn and dip SD84, control arm	380101
	SCREENWIPER, CR2 CJ30	
	Motor	75055
	Cover, end, bakelite	738560
	Brush set	729367
	Armature	736012
	Crosshead and rack	736010
	Wheelbox, left hand	72607
	Wheelbox, right hand	72608
	Arm	735098
	Blade	727707
	Stop, rubber	730185
	Grommet	733874
	Knob	738629
	TRAFFICATOR MOVEMENT, SF34N	54017
	Arm	581174
	BULBS	
	Headlamp, Home	54
	Headlamp, Export except Belgium	301
	Side lamp	207
	Stop tail lamp	207
	Stop tail lamp, Export	189
	Number plate	989
	Warning light	987
	Trafficator	256



LUCAS SPARE PARTS

ILLUSTRATION	DESCRIPTION OF PART	ORDERING No.
 	HORN, WT614, Low Note ... High Note ... Cover Bracket Contact set CONTROL BOX, RF95/2 L-0 Cover Clip Resistance Fuse (35 amp.)	69011 69012 702575 702606 702660 37057 334956 334906 334977 188218

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. 22250 Dynamo.

Dynamo cold:

Cutting-in speed 1,050—1,200 r.p.m. at 13 dynamo volts.

Output 17 amps. at 1,850—2,100 r.p.m. at 13.5 dynamo volts, taken on 0.67 ohm resistance load without regulator. (Resistance must be able to carry 20 amps. without overheating).

Brush tension 22—25 ozs.

Field resistance 6.1 ohms.

TEST DATA. 22416 Dynamo.

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 18 amps. without overheating).

Brush tension 22—27 ozs.

Field resistance 6.4 ohms.



STARTER

Four-pole design; anti-clockwise rotation viewed from driving end.
Outboard drive with 10/11-tooth pinion.

TEST DATA

Lock torque 17 lbs. ft. (approx.) with 450 amps. and 7.2 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 600—900 r.p.m. (distributor)
and gives maximum advance of 2°—4° at 1,200 r.p.m.

IGNITION COIL

Current consumption: 0.8 amps. (approx.) running.
2.5 amps. (approx.) stall.
Coil moulding must be kept clean.

CONTROL BOX

Houses cut-out, dynamo voltage regulator, and fuses.

TEST DATA

- (a) Cut-out. Cut-in voltage 12.7—13.3 volts.
 Drop-off voltage 9.0—10.0 volts.
- (b) Regulator. Setting at 10°C. (50°F.) 16.1—16.7 volts.
 Setting at 20°C. (68°F.) 15.8—16.4 volts.
 Setting at 30°C. (86°F.) 15.6—16.2 volts.
 Setting at 40°C. (104°F.) 15.3—15.9 volts.
- (c) Fuses. Two 35 amps. in circuit of accessories.

HEADLAMPS

Correct lamp settings are important to prevent dazzle.
Dipping device: electric dip and switch.

**WINDSCREEN-
WIPER**

Current consumption 2.5 amps. (approx.).
Field current 0.8 amp. (approx.).

HORNS

Windtone type.
Current consumption 6 amps. each horn, i.e., total 12 amps.

WIRING DIAGRAM

No. W2147

12-VOLT