

**LUCAS**  
**GIRLING**

**EQUIPMENT AND  
SERVICE PARTS**

**CE825/68**

**NORTON -  
MATCHLESS**

Motor Cycles

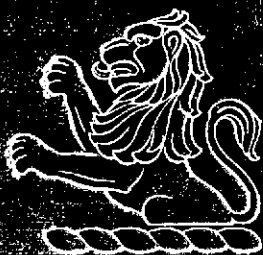
**1968**



**LUCAS**

**EQUIPMENT AND  
SERVICE PARTS**

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**EQUIPMENT SPECIFICATIONS**

**NORTON-MATCHLESS GROUP**  
**Matchless 500cc 'G80CS' (Competition model, 6 volt, U.S.A. only)**  
**A.J.S. 750cc '33' (Home) and '33CS' (Export)**  
**Matchless 750cc 'G15' (Home) and 'G15 Mk. II' (Export)**  
**Matchless 750cc 'G15CSR' and 'G15CS' (Export)**

Unit	Model	Part No.	Unit	Model	Part No.
<b>Alternator</b>	RM19	54021027A	<b>LAMPS</b>		
Serviced by:			Head, Home and Export	SS700P	59666A
Stator	—	47162A	" " " " G15CSR only	SS700P	59579A
Rotor	—	★54213901	" " " " G80CS only	SS700P	59667A
<b>Alternator, (later, except G80CS)</b>	RM19	54021165	Head, Export Europe, except France	SS700P	59761A
Serviced by:			G15CSR only	SS700P	59763A
Stator	—	★47204A	Head, Export France	SS700P	59760A
Rotor	—	★54213901	" " " " G15CSR only	SS700P	59762A
<b>Ammeter</b>	2AR	★36296A	Stop tail, number plate and reflex	564	53454D
Battery (2 off)	MKZ9E	54028050	G80CS only	679	53972B
Battery, G80CS only	MLZ9E	54028459	Rectifier	2DS506	49072A
Cable harness, Home and Export	—	54939967	<b>SWITCHES</b>		
G80CS only	—	54932304	Ignition	S45	31899B
Coil, ignition	MA12	45110D	Lighting	88SA	34289A
Coil, ignition, G80CS only	MA6	45152B	Knob	—	154330934
Contact breaker	4CA	*47605A	Lighting, G80CS only	41SA	31784D
		(425379 & 54415750)	Stop lamp	118SA	★34815A
			Rubber pad	—	1380459
<b>Diode, Zener</b>	ZD715	★49345A	Warning light (main beam)	WL15	★38189A
<b>Horn</b>	6H	*★70197D (70183)	<b>REAR SUSPENSION UNIT</b>		
		(70183)	(Serviced by Girling)		
<b>Horn, G80CS only</b>	6H	*★70196A (70182)	All models except those below	—	4590 (SB4)
			G15CSR	—	4763
<b>Horn push and dipper switch</b>	2SSA	31563D	G80CS	—	4392 (SB4)

**MATCHLESS 750cc 'P11'**

Unit	Model	Part No.	Unit	Model	Part No.
<b>Alternator</b>	RM19	54021165	<b>Horn</b>	6H	*★70197D (70183)
Serviced by:					31563D
Stator	—	★47204A	<b>Horn push and dipper switch</b>	2SSA	31563D
Rotor	—	★54213901	<b>LAMPS</b>		
<b>Ammeter</b>	2AR	★36296A	Head, Home and Export	SS700P	59666A
Battery	PUZ5A	54027029	Stop tail number plate and reflex	679	53973D
Cable harness	—	54952937	Reflex reflectors, red	RER24	★57111A
Capacitor	2MC	54170009	" amber	RER25	★57162A
Spring, mounting	—	154483156	Rectifier	2DS506	49072A
Coil, ignition	MA12	45110D	<b>SWITCHES</b>		
Contact breaker	4CA	*47627A (425379 & 54418910)	Engine cut-out	SS5	★35601A
		*47643A (54419097 and 54419340)	Ignition	S45	31899B
			Lighting	88SA	34289A
			Knob	—	154330934
			Stop light	118SA	★34815A
<b>Condenser pack (later)</b>	2CP	47638A	Warning light (main beam)	WL15	★38189A
<b>Diode, Zener</b>	ZD715	★49345A	<b>REAR SUSPENSION UNIT</b>		
			(Serviced by Girling)		
				—	4590

**NORTON 647cc '650SS'**  
**650cc 'Manxman' (U.S.A. only)**  
**750cc 'Atlas', 'N15' (Export) and 'N15CS' (Export)**

Unit	Model	Part No.	Unit	Model	Part No.
<b>Alternator</b>	RM19	54021027A	<b>LAMPS</b>		
Serviced by:			Head, Home and Export, vertical dip	SS700P	59666A
Stator	—	47162A	Head, Export Europe, except France	SS700P	59761A
Rotor	—	★54213901	Head, Export France	SS700P	59760A
<b>Alternator, (later except N15 and N15CS)</b>	RM19	54021165	Stop tail, number plate and reflex	564	53454D
Serviced by:			Stop tail, number plate and reflex, U.S.A. (except "650SS")	679	53973D
Stator	—	★47204A	Rectifier	2DS506	49072A
Rotor	—	★54213901	<b>SWITCHES</b>		
<b>Ammeter</b>	2AR	★36296A	Ignition	S45	31899B
Battery (2 off)	MKZ9E	54028050	Lighting	88SA	34289A
Cable harness	—	54939968	Knob	—	154330934
Cable harness, N15 and N15CS only	—	54939967	Stop lamp	118SA	★34815A
Coil, ignition	MA12	45110D	Rubber pad	—	1380459
Contact breaker	4CA	*47605A (425379 & 54415750)	Warning light (main beam)	WL15	★38189A
			<b>REAR SUSPENSION UNIT</b>		
<b>Diode, Zener</b>	ZD715	★49345A	(Serviced by Girling)		
<b>Horn</b>	6H	*★70197D (70183)	Except "N15" and "N15CS"	—	4423 (SB3)
<b>Horn push and dipper switch</b>	2SSA	31563D			

\*When ordering, quote part number shown in brackets  
 †Part of headlamp ‡Order separately



## EQUIPMENT SPECIFICATIONS

### NORTON 750cc 'Commando'

Unit	Model	Part No.	Unit	Model	Part No.
<b>Alternator</b> ... ..	RM21	54021167	<b>LAMPS</b>		
Serviced by:			<b>Head, Home and U.S.A.</b> ... ..	SS700P	*59872A (59883)
<b>Stator</b> ... ..	—	★47205A	<b>Head, Export Europe, except France</b>	SS700P	*59874A (59885)
<b>Rotor</b> ... ..	—	★54213901	<b>Head, Export France</b> ... ..	SS700P	*59873A (59885 & Bulb 411)
<b>Ammeter</b> ... ..	2AR	★36403A	<b>Stop tail, number plate and reflex</b> ...	679	53973D
<b>Battery</b> ... ..	PUZ5A	54027029	<b>Rectifier</b> ... ..	2DS506	49072A
<b>Cable harness</b> ... ..	—	54954277	<b>Reflex reflector, red</b> ... ..	RER25	★57110A
<b>Capacitor</b> ... ..	2MC	54170009	" <b>amber</b> ... ..	RER25	★57162A
<b>Spring, mounting</b> ... ..	—	‡54483156	<b>SWITCHES</b>		
<b>Contact breaker</b> ... ..	6CA	*47632D (54419097 and 54419340)	<b>Ignition</b> ... ..	S45	31899B
<b>Condenser pack</b> ... ..	2CP	47638A	<b>Lighting</b> ... ..	57SA	★35710A
<b>Diode, Zener</b> ... ..	ZD715	★49345A	<b>Stop light</b> ... ..	118SA	★34815A
<b>Horn</b> ... ..	9H	54068152	<b>Warning light (main beam)</b> ... ..	WL15	★38189A
<b>Bracket (2 off)</b> ... ..	—	54680686	<b>REAR SUSPENSION UNIT</b> (Serviced by Girling)	—	2148

\*When ordering, quote part numbers shown in brackets      ★Service complete unit only  
 ||Part of headlamp      ‡Order separately

### ALTERNATORS

Part No.	§54021027A RM19	§54021165 RM19	§54021167 RM21
Stator ... ..	47162A	47204A	47205A
Clip, cable ... ..	54210167	—	—
Washer, cable clip ... ..	131023	—	—
Rotor ... ..	54213901	54213901	54213901

### AMMETERS

Part No.	36296	36403
Model ... ..	2AR	2AR

### CAPACITOR

Part No.	54170009
Model ... ..	2MC
Spring, mounting ... ..	‡54483156

### COILS, IGNITION

Part No.	45152A/B MA6	45110D MA12
Grommet, rubber ... ..	421554	421554
Clip, cable contact ... ..	421863	421863
Nut, switch and contact breaker terminals ... ..	166043	166043
Washer, shakeproof, terminal ... ..	188330	188330
Washer, plain, terminal ... ..	131023	131023
Connector, Lucar ... ..	54190108	54190108

### RECTIFIER

Part No.	49072A
Model ... ..	2DS5A
Nut, fixing ... ..	156594

§Complete unit serviced by component parts. ‡Order separately.





**CONTACT BREAKER UNITS**

Part No.	47605A/B	47627A	47632D 47643A 6CA
Model	4CA	4CA	6CA
Contact breaker	425379	425379	54419097
Contact set	54415803	54415803	54419827
Nut, condenser angle plate fixing	169194	169194	—
Pin, adjustment	—	—	54419220
Plate, condenser terminal insulating	425382	425382	—
Condenser	425377	425377	—
Plate, contact breaker base	425370	425370	—
Felt, cam lubricating	425378	425378	—
Auto advance unit	54415750	54418910	54419340
Springs, auto advance	54415642	54415642	54415642
Cam	54441729	—	—
Weights, auto advance	425359	—	—
Sleeve and action plate	54415751	—	—

**CONDENSER PACK**

Part No.	47638A 2CP
Model	2CP
Capacitor	54420128
Cover	54418528
Nut	165033
Washer, spring	185006
Base plate	54418526

**DIODE, ZENER**

Part No.	49345A ZD715
Model	ZD715

**HORNS**

Part No.	70196A 6H	70197A 6H	70197D 6H	54068152 9H
Model	6H	6H	6H	9H
Bracket	—	—	—	54680686

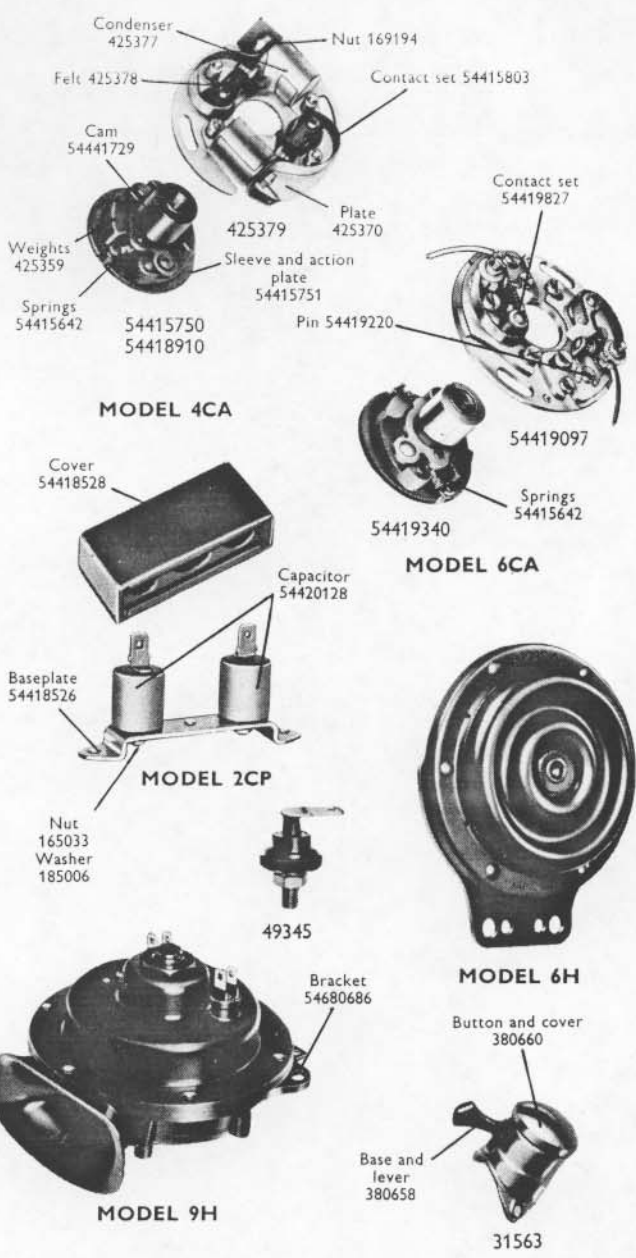
**HORN PUSH AND DIPPER SWITCH**

Part No.	31563D 25SA
Model	25SA
Button and cover assembly	380660
Base and lever assembly	380658
Screw, terminal	120610

**CABLE SUNDRIES**

Adaptor, insulated return, push in	863511
Adaptor, M.E.S., push in	554734
Adaptor, M.E.S., non claw type	54944812
Adaptor, Peanut type, push in	54945043
Connector, nipple, cable end	900269
Connector tube, 2-way	900288
Connector tube, 4-way	850641
Connector tube, 6-way (black rubber)	850844
Connector tube, 10-way	850832
Eyelet, 5/8" o.d. x 1/4" i.d.	850406
Eyelet, 5/8" o.d. x 3/16" i.d.	850405
Eyelet, 3/8" (flag)	187704
Eyelet, 3/8" ...	900450
Eyelet, 3/8" ring type	187700
Eyelet, 3/8" ring type	187009
Fuse holder	54190387
Lucar connector, 17.5 amp.	54942078
Lucar connector, 35 amp.	54942079
Lucar connector, 17.5 amp., double	54942747
Lucar sleeve, 17.5 amp.	54190042
Lucar sleeve, 35 amp.	54190043
Lucar sleeve, 17.5 amp., double	54190119

Complete unit serviced by component parts.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone



### HEADLAMPS

Part No. ... Model ...	59579A SS700P	59666A SS700P	59667A SS700P	59760A SS700P
Rim or door ...	553248	553248	553248	553248
Wire fixing ...	504665	504665	504665	504665
Screw, rim fixing ...	144921	144921	144921	144921
Plate, rim fixing ...	534296	534296	534296	534296
Ammeter ...	36296	36296	36296	36296
Warning light body assembly ...	38189	38189	38189	38189
Sealing washer, warning light ...	54140331	54140331	54140331	54140331
Light unit ...	516798	516798	516798	54522680
Bulbholder, main ...	554602	554602	554602	553738
Sleeve, terminal ...	555910	555910	555910	555910
Bulbholder, pilot ...	554710	554710	554710	54573590
Interior, pilot ...	553780	553780	553780	553780
Ring, pilot bulbholder seating	554354	554354	554354	554354
Screw, lamp fixing ...	112201	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498	137498
Body ...	54523022	—	54523254	—
Connector, double	—	—	850641	—
Bulb, main ...	446	446	312	411
Bulb, pilot ...	989	989	988	989

Part No. ... Model ...	59761A SS700P	59762A SS700P	59763A SS700P
Rim or door ...	553248	553248	553248
Wire fixing ...	504665	504665	504665
Screw, rim fixing ...	144921	144921	144921
Plate, rim fixing ...	534296	534296	534296
Ammeter ...	36296	36296	36296
Warning light body assembly ...	38189	38189	38189
Sealing washer, warning light ...	54140331	54140331	54140331
Light unit ...	54522680	54522680	54522680
Bulbholder, main ...	553738	553738	553738
Sleeve, terminal ...	555910	555910	555910
Bulbholder, pilot ...	54573590	54573590	54573590
Interior, pilot ...	553780	553780	553780
Ring, pilot bulbholder seating	554354	554354	554354
Screw, lamp fixing ...	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498
Body ...	—	54523565	54523565
Connector ...	—	900288	900288
Connector, double	—	850641	850641
Bulb, main ...	410	411	410
Bulb, pilot ...	989	989	989

Part No. ... Model ...	59872A SS700P	59873A SS700P	59874A SS700P
Rim or door ...	553248	553248	553248
Wire fixing ...	504665	504665	504665
Screw, rim fixing ...	144921	144921	144921
Plate, rim fixing ...	534296	534296	534296
Ammeter ...	36403	36403	36403
Warning light body assembly ...	38189	38189	38189
Sealing washer, warning light ...	54140331	54140331	54140331
Bulbholder, warning light	54945043	54945043	54945043
Switch, lighting ...	35710	35710	35710
Light unit ...	516798	54522680	54522680
Adaptor ...	—	553738	553738
Bulbholder, main ...	554602	—	—
Sleeve, terminal ...	555910	—	—
Bulbholder, pilot ...	54573590	54573590	54573590
Interior, pilot ...	553780	553780	553780
Ring, pilot bulbholder seating	554354	554354	554354
Screw, lamp fixing ...	112201	112201	112201
Washer, lamp screw fixing	137498	137498	137498
Body ...	54523999	54523999	54523999
Connector, double	850641	850641	850641
Connector, single	—	900288	900288
Bulb, warning light ...	281	281	281
Bulb, main ...	446	411	410
Bulb, pilot ...	989	989	989

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### STOP TAIL, REFLEX AND NUMBER PLATE LAMPS

Part No. Model	53454D 564	53972D 679	53973D 679
Lens	—	54577109	54577109
Screw, lens fixing	—	572289	572289
Lens and window	54576001	—	—
Nut, barrel, lens fixing	575219	—	—
Gasket, lens seating	575208	—	—
Bulbholder, with reflector	—	54574348	54574348
Interior bulbholder	573828	573828	573828
Bulbholder	575209	—	—
Grommet, bulbholder	575207	—	—
Base	54573881	54577139	54577139
Grommet, cable entry	573825	—	—
Gasket, lamp seating	—	54571677	54571677
Nut, lamp fixing	166019	—	—
Washer, shakeproof	188330	—	—
Washer, spacer fixing bolt	131023	—	—
Screw, lamp fixing	—	110714	110714
Washer, screw fixing	—	188330	188330
Bulb	380	384	380

### REFLEX REFLECTORS

Part No. Model	57110A RER25	57111A RER24	57162A RER25
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### ENGINE CUT-OUT SWITCH

Part No. Model	35601A SS
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### IGNITION SWITCH

Part No. Model	31899B S45
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Nut, fixing	54130041
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### LIGHTING SWITCHES

Part No. Model	31784D 41SA	34289A 88SA	35710A 57SA
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Nut, fixing	—	180316	—
Washer, nut fixing	—	188350	—
Knob	351815	‡54330934	—
Washer, knob screw fixing	185038	—	—
Screw, terminal	120560	—	—
Roller	351660	—	—
Plunger	351661	—	—
Spring	351662	—	—
Socket with cables	—	‡54930007	—

### STOP LAMP SWITCH

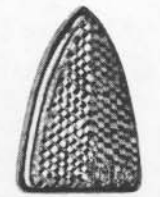
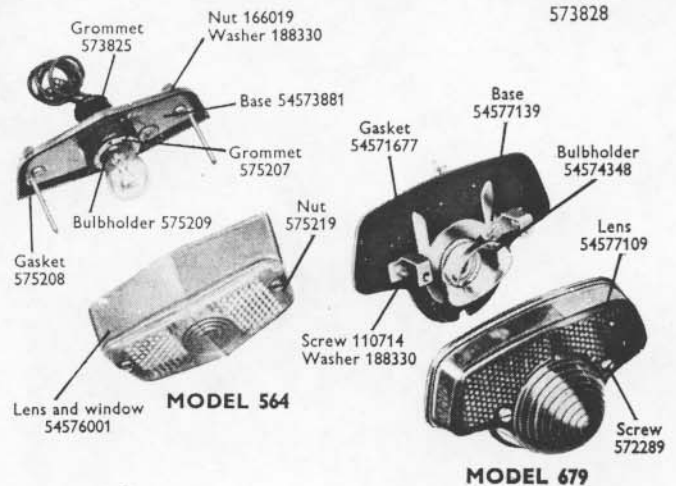
Part No. Model	34815A 118SA
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Rubber pad	‡380459
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### BULBS

Part No.	Volt	Watts	Description
281	12	2-0	Coil, Sub miniature
312	6	30/24	Transverse, vertical dip
380	12	21/6	Transverse, offset pin
384	6	18/6	Transverse, offset pin
410	12	45/40	Duplo "D"
411	12	45/40	Duplo "D", yellow
446	12	50/40	Transverse, vertical dip
988	6	3	Coil, miniature bayonet cap
989	12	6	Coil, miniature bayonet cap

‡ Order separately.



MODEL RER24



MODEL RER25



35601

