

REPLACEMENT PARTS

FOR

**TRIUMPH**

MOTORCYCLES

COMMENCING  
ENGINE No.  
70930

SEPTEMBER, 1955

5T	-	SPEED TWIN
6T	-	THUNDERBIRD
T100	-	TIGER 100
T110	-	TIGER 110
TR5	-	TROPHY
TR6	-	TROPHY

TRIUMPH ENGINEERING COMPANY, LIMITED

MERIDEN WORKS, ALLESLEY

COVENTRY

Telegrams (for Spares)  
"Trusty, Coventry"

Telephone  
Meriden 331

Ref. 289/56

ISSUE No. 12

Published, July, 1956

## PREFACE

**B**EFORE ordering parts for your machine, please read very carefully the instructions contained in the next paragraph. In a large number of cases, the information given in orders is not sufficient to enable us to identify customers' requirements with certainty. Delay is frequently occasioned by our having to refer the order back for further particulars before we can supply.

**HOW TO ORDER.** Every part is indicated by number, and this should be quoted together with the description. In order to assist customers, dimensions have been given in many cases where parts are similar. Parts where possible have been listed in order of assembly and a number of the illustrations show the assembly order also. With these aids there should be no difficulty in identifying the parts you require. Always head your order with the engine number, stamped on the drive side of the crank case underneath the cylinder flange, together with the prefix letters. Use a separate sheet for your order if you are sending a letter as well.

### SPECIMEN ORDER

25/6/56

To Triumph Engineering Co. Ltd.,  
Spares Department,  
Meriden Works,  
Allesley,  
Coventry.

Engine No. 5T-200000

Please supply :—

- 1 - CP.29/20 - Piston Assy. + .020"
- 1 - E2899 - Guide, inlet valve

\*Send C.O.D.

Wm. Smith,  
1a, Ewell Avenue,  
Ewell, Surrey.

*\*For terms of business see page 3.*

**TELEGRAPHIC ORDERS.** Orders by telegram should be addressed to "Trusty 60221 Coventry". They are then telephoned to us, which prevents delay in delivery. It is only necessary to quote part numbers in telegraphic orders, the description can be omitted.

**PATTERNS AND PARTS FOR REPAIR.** It is not necessary to send patterns if the part number is quoted. The sending of patterns often delays the order as parcel post or rail takes longer than letter post.

Parts sent to Coventry for repair, replacement or as patterns should bear the sender's name and address and clear instructions should accompany the parts. All parts must be forwarded carriage paid and care should be taken to ensure that all remittances are sent separately and not enclosed with the parts. Fragile units such as cylinders, etc., should always be boxed to avoid damage in transit. Complete machines should have all fittings such as horns, driving mirrors, tools, etc., removed by the sender before despatch, as it is impossible for us to accept responsibility in the event of loss in transit. We are always pleased to give estimates for overhauling and repairs, but should an estimate not be accepted, a charge will be made covering cost of dismantling and re-assembling, if carried out.

Communications relating to Parts should be addressed to the SPARES MANAGER and for repairs, guarantee claims and technical advice to the SERVICE MANAGER, Triumph Engineering Co. Ltd., Meriden Works, Allesley, Coventry. In order to facilitate quick reference, the quoting of any number, invoice number or reference from previous communications is of essential importance. **Accessories not of our manufacture should be sent direct to the actual makers, whose names and addresses appear on Page 90.**

**WHERE TO OBTAIN.** Triumph Spare Parts may be obtained from any Triumph Dealer, and we recommend our customers to place their orders with the Triumph Dealer in their district, as we do not normally supply direct. When parts not usually asked for are required, and for which the Dealer may have to wire or obtain specially, the postage or carriage incurred becomes payable.

We are not able to supply Transfers as originally affixed to Triumph Motor Cycles, but we are at all times willing to supply a transfer denoting that the machine is of genuine Triumph manufacture, provided the Frame and Engine prefix letters and numbers are quoted.

Customers are warned against the risk incurred by purchasing parts that are not of genuine Triumph manufacture. This risk is eliminated if parts are ordered as instructed, either from our recognised Dealers, or direct from the Spares Department, Meriden Works, Allesley, Coventry.

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## TERMS OF BUSINESS

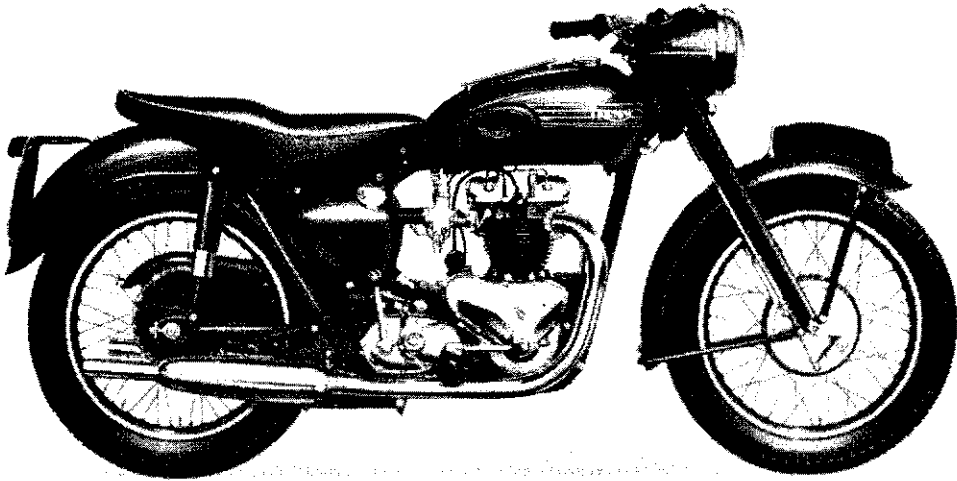
**T**HE most convenient method of paying for Spare Parts is by the C.O.D. system. By this method you pay the postman for the goods when he delivers them to you. As the minimum C.O.D. collection fee is 10d., only goods to the value of 2/- and over can be sent by this system. We do not despatch goods by rail C.O.D.

Where goods are not sent C.O.D., cash must accompany the order. All remittances should be made payable to the Triumph Engineering Co. Ltd., and crossed "Barclay's Bank Ltd." if in the form of Postal Order or cheque. Letters containing currency notes must be registered.

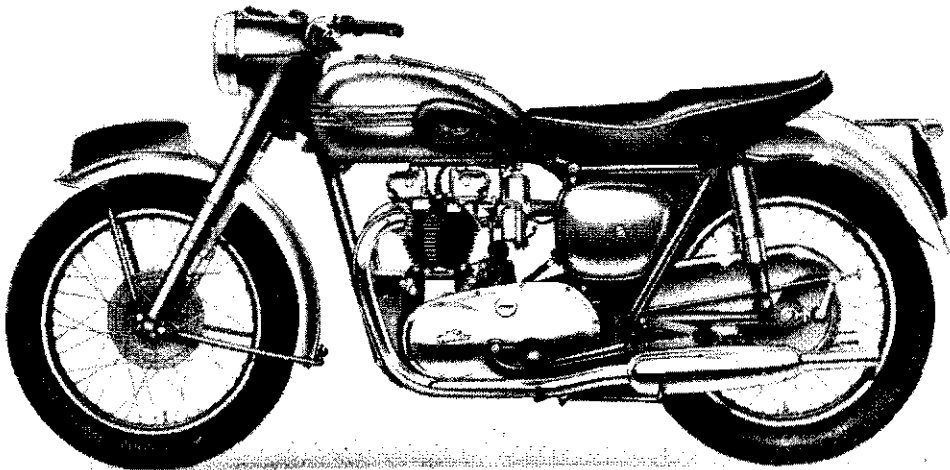
Should a remittance be forwarded by telegraphic money order, the name and address of the sender must be inserted in the space provided on the Post Office requisition form for a private message from remitter to payee. Unless this is complied with the Post Office omit such information from the telegram and we are not then in a position to trace the sender.

Postage, carriage and packing is charged at  $2\frac{1}{2}\%$  on the value of the goods, minimum charge 6d. Packing boxes, cases, crates, etc., are charged for at cost and are returnable.

**SPEED TWIN (5T)**



**THUNDERBIRD (6T)**



## SPEED TWIN (5T)

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### SPECIFICATION

<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Bore and stroke, mm. ...</td> <td style="width: 20%;">... 63 × 80</td> <td style="width: 50%;"></td> </tr> <tr> <td style="padding-left: 20px;">ins. ...</td> <td>2.48 × 3.15</td> <td></td> </tr> <tr> <td>Cylinder capacity</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">c/cm (cu. ins.) ...</td> <td>498 (30.5)</td> <td></td> </tr> <tr> <td>Compression ratio ...</td> <td>7 : 1</td> <td></td> </tr> <tr> <td>Engine sprocket ...</td> <td>22</td> <td></td> </tr> <tr> <td>Carburetter main jet (Amal) ...</td> <td>200</td> <td></td> </tr> <tr> <td>Carburetter pilot jet (Amal) ...</td> <td>30</td> <td></td> </tr> <tr> <td>Carburetter slide (Amal) ...</td> <td>.376 (3)</td> <td></td> </tr> <tr> <td>Carburetter needle jet (Amal) ...</td> <td>.1065</td> <td></td> </tr> <tr> <td>Tappet clearance, cold</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">ins. (mm.) ...</td> <td>.010 (.26)</td> <td></td> </tr> </table>	Bore and stroke, mm. ...	... 63 × 80		ins. ...	2.48 × 3.15		Cylinder capacity			c/cm (cu. ins.) ...	498 (30.5)		Compression ratio ...	7 : 1		Engine sprocket ...	22		Carburetter main jet (Amal) ...	200		Carburetter pilot jet (Amal) ...	30		Carburetter slide (Amal) ...	.376 (3)		Carburetter needle jet (Amal) ...	.1065		Tappet clearance, cold			ins. (mm.) ...	.010 (.26)		<table border="0" style="width: 100%;"> <tr> <td>Ignition (fully retard)</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">ins. (mm.) ...</td> <td><math>\frac{1}{16}</math> (0.8) B.T.C.</td> </tr> <tr> <td>Piston ring gap</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Compression—</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">ins. (mm.) ...</td> <td>.010-.014 (.25-.35)</td> </tr> <tr> <td style="padding-left: 20px;">Scraper—</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">ins. (mm.) ...</td> <td>.007-.011 (.18-.28)</td> </tr> <tr> <td>Petrol tank, gallons (litres) ...</td> <td>4 (18)</td> </tr> <tr> <td>Oil tank, pints (litres) ...</td> <td>5 (3)</td> </tr> <tr> <td>Weight lbs. (dry) (kilos)...</td> <td>390 (173)</td> </tr> </table>	Ignition (fully retard)		ins. (mm.) ...	$\frac{1}{16}$ (0.8) B.T.C.	Piston ring gap		Compression—		ins. (mm.) ...	.010-.014 (.25-.35)	Scraper—		ins. (mm.) ...	.007-.011 (.18-.28)	Petrol tank, gallons (litres) ...	4 (18)	Oil tank, pints (litres) ...	5 (3)	Weight lbs. (dry) (kilos)...	390 (173)
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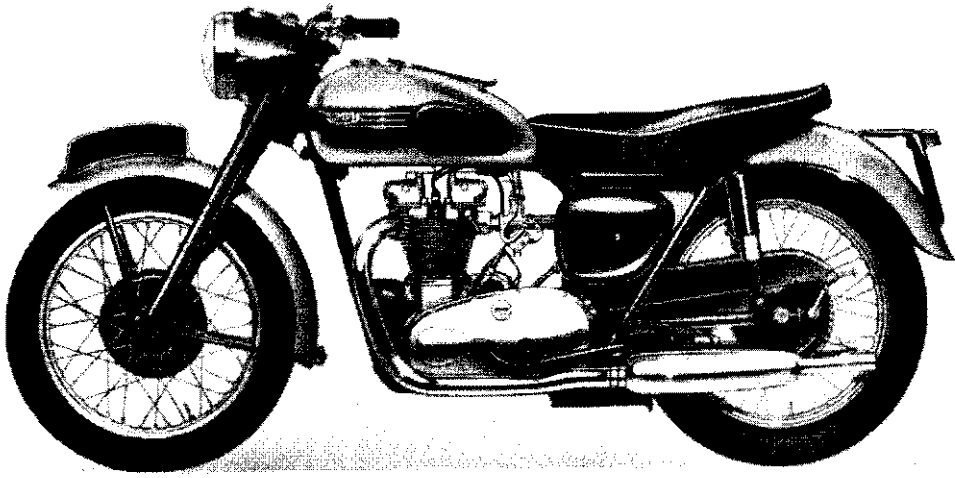
## THUNDERBIRD (6T)

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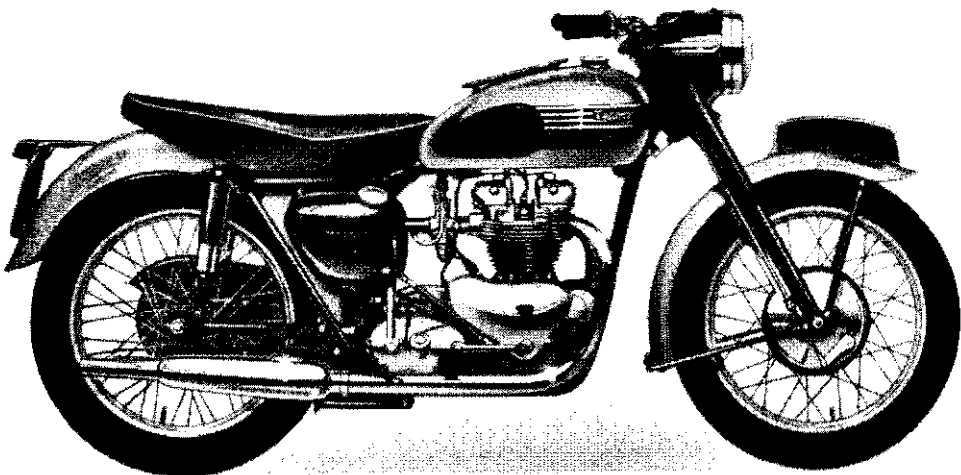
### SPECIFICATION

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TIGER 100 (T100)



TIGER 110 (T110)



## TIGER 100 (T100)

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### SPECIFICATION

<p>Bore and stroke, mm. ... ..63 × 80  ins. ... 2.48 × 3.15</p> <p>Cylinder capacity  c/cm. (cu. ins.) ... 498 (30.5)</p> <p>Compression ratio ... .. 8 : 1</p> <p>Engine sprocket, solo ... .. 22</p> <p>Carburetter main jet (Amal) ... 220</p> <p>Carburetter pilot jet (Amal) ... 25</p> <p>Carburetter slide (Amal) ... 376/3½</p> <p>Carburetter needle jet (Amal) ... .1065</p> <p>Tappet clearance, cold  ins. (mm.) ... .. .010 (.26)</p>	<p>Ignition, fully advanced  ins. (mm.) ... ½ (9.5) B.T.D.C.</p> <p>Piston ring gap  Compression—  ins. (mm.) ... .010-.014 (.25-.35)</p> <p>Scraper—  ins. (mm.) ... .007-.011 (.18-.28)</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... .. 5 (3)</p> <p>Weight lbs. (dry) (kilos) 375 (170)</p>
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## TIGER 110 (T110)

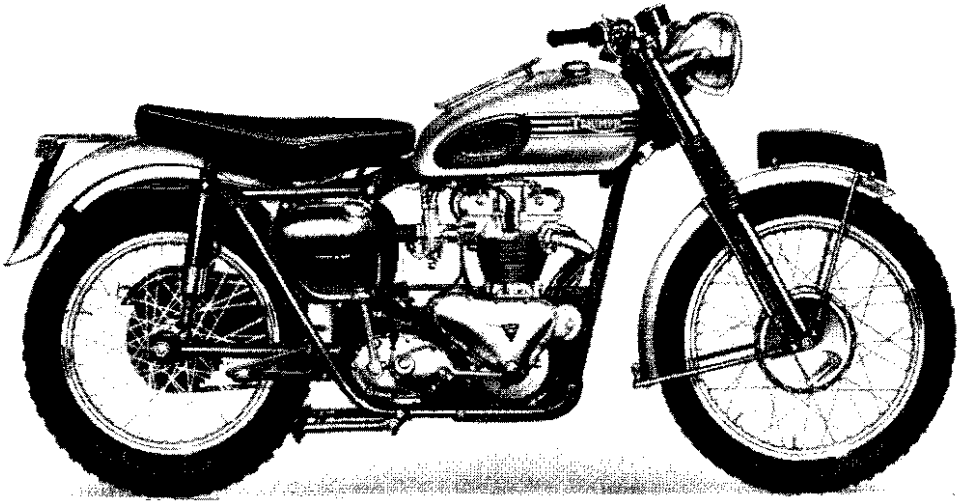
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### SPECIFICATION

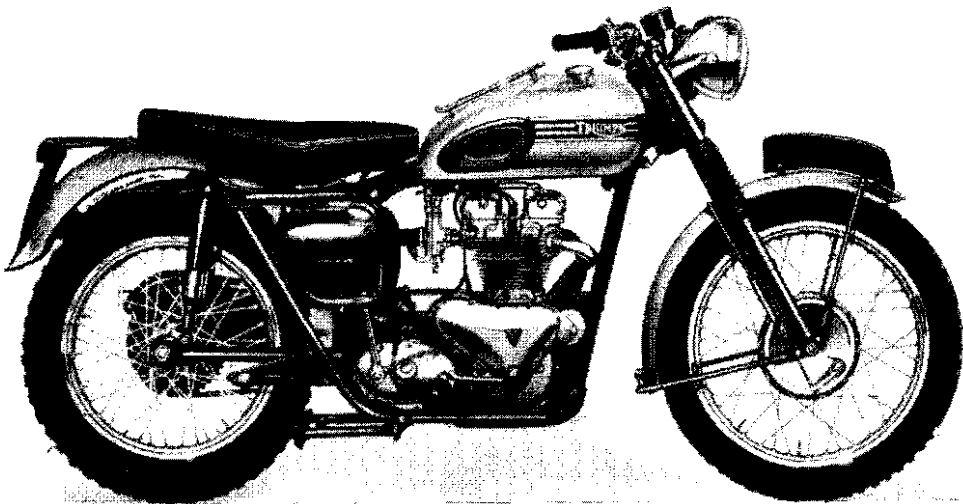
<p>Bore and stroke, mm. ... ..71 × 82  ins. ... 2.79 × 3.23</p> <p>Cylinder capacity  c/cm. (cu. ins.) ... 649 (40)</p> <p>Compression ratio ... .. 8.5 : 1</p> <p>Engine sprocket, solo ... .. 24</p> <p>Carburetter main jet (Amal) ... *250</p> <p>Carburetter pilot jet (Amal) ... 25</p> <p>Carburetter slide (Amal) ... 376/3½</p> <p>Carburetter needle jet (Amal) ... .1065</p>	<p>Tappet clearance, cold ... .004 ex (.10)  ins. (mm.) ... .. .002 in. (.05)</p> <p>Ignition, fully advanced  ins. (mm.) ... ¾ (9.2) B.T.D.C.</p> <p>Piston ring gap (Compression and  Scraper) ins. (mm.) .010-.014 (.25-.35)</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... .. 5 (3)</p> <p>Weight lbs. (dry) (kilos) 395 (179)</p>
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\*270 without air filter

TROPHY (TR5)



TROPHY (TR6)





## TROPHY (TR5)

### SPECIFICATION

Bore and stroke, mm. ...	...63×80	Tappet clearance, cold	
ins. ...	2.48×3.15	ins. (mm.) ...	Inlet .002 (0.10) Exhaust .004 (0.05)
Cylinder capacity		Ignition, fully advanced	
c./cm. (cu. ins.) ...	498 (30.5)	ins. (mm.) ...	$\frac{11}{16}$ (12) B.T.D.C.
Compression ratio ...	8 : 1	Piston ring gap	
Engine sprocket ...	21	Compression—	
Carburetter main jet (Amal) ...	220	ins. (mm.) ...	.010-.014 (.25-.35)
Carburetter pilot jet (Amal) ...	25	Scraper—	
Carburetter slide (Amal) ...	376/3 $\frac{1}{2}$	ins. (mm.) ...	.007-.011 (.18-.28)
Carburetter needle jet (Amal) ...	.1065	Petrol tank, gallons (litres)	3 (13.5)
		Oil tank, pints (litres) ...	5 (3)
		Weight lbs. (dry) (kilos)	365 (166)

## TROPHY (TR6)

### SPECIFICATION

Bore and stroke, mm. ...	...71×82	Tappet clearance, cold ...	.004 ex (.10)
ins. ...	2.79×3.23	ins. (mm.) ...	.002 in. (.05)
Cylinder capacity		Ignition, fully advanced	
c./cm. (cu. ins.) ...	649 (40)	ins. (mm.) ...	$\frac{11}{16}$ (9.2) B.T.D.C.
Compression ratio ...	8.5 : 1	Piston ring gap (Compression and	
Engine sprocket, solo ...	24	Scraper) ins. (mm.)	.010-.014 (.25-.35)
Carburetter main jet (Amal) ...	*250	Petrol tank, gallons (litres)	4 (18)
Carburetter pilot jet (Amal) ...	25	Oil tank, pints (litres) ...	5 (3)
Carburetter slide (Amal) ...	376/3 $\frac{1}{2}$	Weight lbs. (dry) (kilos)	370 (168)
Carburetter needle jet (Amal) ...	.1065		

\* 270 without air filter

# CARTON PACK COMPONENT LIST—GROUP I

The following sub-assemblies are supplied in carton packs under the C.P. part number stated. The contents of these carton packs are preserved and will not deteriorate under adverse conditions.

PART No.	DESCRIPTION AND CONTENTS					
<b>Brake Lining</b>						
CP.38	2	...	NW.243	...	...	Lining, brake
	16	...	W.129	...	...	Rivet
CP.66	2	...	W.631	...	...	Lining, brake
	16	...	W.129	...	...	Rivet
<b>Crankcase Bearing</b>						
CP.144	...	2	E.1591	...	...	Bearing ball, d/s and t/s
<b>Fork (Telescopic) Service Pack</b>						
CP.50	...	2	H.443	...	...	Bearing, lower
		2	H.441	...	...	Bearing, upper
		2	E.1335	...	...	Washer, copper
		4	H.430	...	...	Washer, drain filler plug
		2	H.452	...	...	Restrictor, oil
		2	H.453	...	...	Cup, oil restrictor
		2	H.454	...	...	Pin, restrictor cup
		2	H.391	...	...	Washer, dust excluder felt
		2	H.420	...	...	Washer, outer cover felt
<b>Gears, Standard Ratio</b>						
CP.145	...	1	T.918	...	...	Gear, mainshaft high
		1	T.916	...	...	Gear, mainshaft 2nd
		1	T.1063	...	...	Gear, layshaft and high
		1	T.1065	...	...	Gear, layshaft 2nd
		1	T.934	...	...	Gear, speedometer driven
<b>Gears, Wide Ratio</b>						
CP.94	...	1	T.969	...	...	Gear, mainshaft high
		1	T.968	...	...	Gear, mainshaft 2nd
		1	T.971	...	...	Gear, layshaft and high
		1	T.974	...	...	Gear, layshaft 2nd
		1	T.975	...	...	Gear, speedometer driven

## CARTON PACK – GROUP I

PART No.	DESCRIPTION AND CONTENTS
<b>Gear, Close Ratio</b>	
CP.95 ... ..	T.1177 ... .. Mainshaft and low gear
	T.957 ... .. Gear, mainshaft high
	T.1179 ... .. Gear, mainshaft 3rd
	T.955 ... .. Gear, mainshaft 2nd
	T.959 ... .. Layshaft and high gear
	T.964 ... .. Gear, layshaft 3rd
	T.963 ... .. Gear, layshaft 2nd
	T.961 ... .. Gear, layshaft low
	T.983 ... .. Plug, speedometer drive sealing
	T.948 ... .. Washer, speedometer drive plug
<b>Kickstarter Ratchet Gear</b>	
CP.27 ... ..	T.730 ... .. Pinion, kickstarter
	T.731 ... .. Ratchet, kickstart
	T.1250 ... .. Spring, ratchet
	T.1338 ... .. Sleeve
	T.732 ... .. Lockwasher
<b>Pistons 500 c.c. Models</b>	
CP.109 ... ..	E.3052 ... .. Piston, CR. 5 : 1
	E.656 ... .. Ring, first compression
	E.3048 ... .. Ring, second compression (Taper)
	GE.29 ... .. Ring, scraper
	WE.203E ... .. Pin, gudgeon
	WE.479 ... .. Circlip
CP.109.20 ... ..	E.3052.20 ... .. Piston, $-.020"$ , CR. 5 : 1
	E.656.20 ... .. Ring, first compression
	E.3048.20 ... .. Ring, second compression (Taper)
	GE.29.20 ... .. Ring, scraper
	WE.203E... .. Pin, gudgeon
	WE.479 ... .. Circlip
CP.37 ... ..	E.1969 ... .. Piston, CR. 6 : 1
	E.656 ... .. Ring, first compression
	E.3048 ... .. Ring, second compression (Taper)
	GE.29 ... .. Ring, scraper
	WE.203E... .. Pin, gudgeon
	WE.479 ... .. Circlip
CP.37/10 ... ..	E.1969/10 ... .. Piston, $+.010"$ , CR. 6 : 1
	E.656/10 ... .. Ring, first compression
	E.3048/10 ... .. Ring, second compression (Taper)
	GE.29/10... .. Ring, scraper
	WE.203E... .. Pin, gudgeon
	WE.479 ... .. Circlip

## GROUP I - CARTON PACK

PART No.			DESCRIPTION AND CONTENTS			
CP.37/20	...	1	...	E.1969/20	...	Piston, $+.020"$ , CR. 6 : 1
		1	...	E.656/20	...	Ring, first compression
		1	...	E.3048/20	...	Ring, second compression (Taper)
		1	...	GE.29/20	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	1	...	WE.479	...	Circlip	
CP.29	...	1	...	E.1563	...	Piston, CR. 7 : 1
		1	...	E.656	...	Ring, first compression
		1	...	E.3048	...	Ring, second compression (Taper)
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.29/10	...	1	...	E.1563/10	...	Piston, $+.010"$ , CR. 7 : 1
		1	...	E.656/10	...	Ring, first compression
		1	...	E.3048/10	...	Ring, second compression (Taper)
		1	...	GE.29/10	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.29/20	...	1	...	E.1563/20	...	Piston, $+.020"$ , CR. 7 : 1
		1	...	E.656/20	...	Ring, first compression
		1	...	E.3048/20	...	Ring, second compression (Taper)
		1	...	GE.29/20	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.29/30	...	1	...	E.1563/30	...	Piston, $+.030"$ , CR. 7 : 1
		1	...	E.656/30	...	Ring, first compression
		1	...	E.3048/30	...	Ring, second compression (Taper)
		1	...	GE.29/30	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.29/40	...	1	...	E.1563/40	...	Piston, $+.040"$ , CR. 7 : 1
		1	...	E.656/40	...	Ring, first compression
		1	...	E.3048/40	...	Ring, second compression (Taper)
		1	...	GE.29/40	...	Ring, scraper
		1	...	WE.203E	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	

## CARTON PACK – GROUP I

PART No.	DESCRIPTION AND CONTENTS					
CP.131	...	1	...	E.1908	...	Piston, CR. 7.6 : 1
		1	...	E.3380	...	Ring, first compression (Chrome)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
CP.131/10	...	1	...	E.1908/10	...	Piston, $+.010''$ , CR. 7.6 : 1
		1	...	E.3380/10	...	Ring, first compression (Chrome)
		1	...	E.656/10	...	Ring, second compression
		1	...	GE.29/10...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		1	...	WE.479	...	Circlip
CP.131/20	...	1	...	E.1908/20	...	Piston, $+.020''$ CR. 7.6 : 1
		1	...	E.3380/20	...	Ring, first compression (Chrome)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		1	...	WE.479	...	Circlip
CP.135	...	1	...	E.3098	...	Piston, CR. 8 : 1
		1	...	E.3380	...	Ring, first compression (Chrome)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
CP.135/10	...	1	...	E.3098/10	...	Piston, $+.010''$ CR. 8 : 1
		1	...	E.3380/10	...	Ring, first compression (Chrome)
		1	...	E.656/10	...	Ring, second compression
		1	...	GE.29/10...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
CP.135/20	...	1	...	E.3098/20	...	Piston, $+.020''$ , CR. 8 : 1
		1	...	E.3380/20	...	Ring, first compression (Chrome)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip

## GROUP I - CARTON PACK

PART No.			DESCRIPTION AND CONTENTS
CP.133	...	1	E.2489 ... Piston, CR. 8.5 : 1
	...	1	E.3380 ... Ring, first compression (Chrome)
	...	1	E.656 ... Ring, second compression
	...	1	GE.29 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.133.10	...	1	E.2489.10 ... Piston, $-.010"$ , CR. 8.5 : 1
	...	1	E.3380.10 ... Ring, first compression (Chrome)
	...	1	E.656.10 ... Ring, second compression
	...	1	GE.29.10... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.133.20	...	1	E.2489.20 ... Piston, $+.020"$ CR. 8.5 : 1
	...	1	E.3380.20 ... Ring, first compression (Chrome)
	...	1	E.656.20 ... Ring, second compression
	...	1	GE.29.20... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.161	...	1	E.3615 ... Piston, CR. 9 : 1
	...	1	E.3380 ... Ring, first compression (Chrome)
	...	1	E.656 ... Ring, second compression
	...	1	GE.29 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.161.20	...	1	E.3615.20 ... Piston, $+.020"$ , CR.9 : 1
	...	1	E.3380.20 ... Ring, first compression (Chrome)
	...	1	E.656.20 ... Ring, second compression
	...	1	GE.29.20... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.134	...	1	E.2884 ... Piston, CR. 9.5 : 1
	...	1	E.3380 ... Ring, compression First (Chrome)
	...	1	E.656 ... Ring, second compression
	...	1	GE.29 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.132	...	1	E.2671 ... Piston CR. 12 : 1
	...	1	E.3380 ... Ring, first compression (Taper)
	...	1	E.656 ... Ring, second compression
	...	1	GE.29 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip

## CARTON PACK — GROUP I

PART No.					DESCRIPTION AND CONTENTS
<b>Pistons, 650 c.c. Models</b>					
CP.158	...	1	...	...	E.3611 ... .. Piston CR. 6.3 : 1
		1	...	...	E.3381 ... .. Ring, first compression (Chrome)
		1	...	...	E.2897 ... .. Ring, second compression
		1	...	...	E.2898 ... .. Ring, scraper
		1	...	...	WE.203E ... .. Pin, gudgeon
	1	...	...	WE.479 ... .. Circlip	
CP.98 (6T only)	1	...	...	...	E.2891 ... .. Piston, CR. 7 : 1
	1	...	...	...	E.2897 ... .. Ring, first compression
	1	...	...	...	E.3049 ... .. Ring, second compression (Taper)
	1	...	...	...	E.2898 ... .. Ring, scraper
	1	...	...	...	WE.203E... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	
CP.98/10 (6T only)	1	...	...	...	E.2891/10 ... .. Piston, +.010" CR. 7 : 1
	1	...	...	...	E.2897/10 ... .. Ring, first compression
	1	...	...	...	E.3049/10 ... .. Ring, second compression (Taper)
	1	...	...	...	E.2898/10 ... .. Ring, scraper
	1	...	...	...	WE.203E ... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	
CP.98/20 (6T only)	1	...	...	...	E.2891/20 ... .. Piston, —.020" CR. 7 : 1
	1	...	...	...	E.2897/20 ... .. Ring, first compression
	1	...	...	...	E.3049/20 ... .. Ring, second compression (Taper)
	1	...	...	...	E.2898/20 ... .. Ring, scraper
	1	...	...	...	WE.203E... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	
CP.159	...	1	...	...	E.3612 ... .. Piston, CR. 7.5 : 1
		1	...	...	E.3381 ... .. Ring, first compression (Chrome)
		1	...	...	E.2897 ... .. Ring, second compression
		1	...	...	E.2898 ... .. Ring, scraper
		1	...	...	WE.203E ... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	
CP.159/10	...	1	...	...	E.3612/10 ... .. Piston, +.010", CR. 7.5 : 1
		1	...	...	E.3381/10 ... .. Ring, first compression (Chrome)
		1	...	...	E.2897/10 ... .. Ring, second compression
		1	...	...	E.2898/10 ... .. Ring, scraper
		1	...	...	WE.203E... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	
CP.159/20	...	1	...	...	E.3612/20 ... .. Piston, +.020", CR. 7.5 : 1
		1	...	...	E.3381/20 ... .. Ring, first compression (Chrome)
		1	...	...	E.2897/20 ... .. Ring, second compression
		1	...	...	E.2898/20 ... .. Ring, scraper
		1	...	...	WE.203E... .. Pin, gudgeon
2	...	...	...	WE.479 ... .. Circlip	

## GROUP I — CARTON PACK

PART No.			DESCRIPTION AND CONTENTS	
CP.157	1	...	E.3610	Piston, CR. 8.5 : 1
	1	...	E.3381	Ring, first compression (Chrome)
	1	...	E.2897	Ring, second compression
	1	...	E.2898	Ring, scraper
	1	...	WE.203E...	Pin, gudgeon
	2	...	WE.479	Circlip
CP.157/10	1	...	E.3610/10	Piston, $-.010''$ CR. 8.5 : 1
	1	...	E.3381/10	Ring, first compression (Chrome)
	1	...	E.2897/10	Ring, second compression
	1	...	E.2898/10	Ring, scraper
	1	...	WE.203E...	Pin, gudgeon
	2	...	WE.479	Circlip
CP.157/20	1	...	E.3610/20	Piston, $+.020''$ , CR. 8.5 : 1
	1	...	E.3381/20	Ring, first compression (Chrome)
	1	...	E.2897/20	Ring, second compression
	1	...	E.2898/20	Ring, scraper
	1	...	WE.203E...	Pin, gudgeon
	2	...	WE.479	Circlip
CP.160	1	...	E.3613	Piston, CR. 12 : 1
	1	...	E.3381	Ring, first compression (Chrome)
	1	...	E.2897	Ring, second compression
	1	...	E.2898	Ring, scraper
	1	...	WE.203E...	Pin, gudgeon
	2	...	WE.479	Circlip
<b>Piston Rings 500 c.c. Models</b>				
CP.40	2	...	E.656	Ring, first compression
	2	...	E.3048	Ring, second compression (Taper)
	2	...	GE.29	Ring, scraper
CP.40/10	2	...	E.656/10	Ring, first compression
	2	...	E.3048/10	Ring, second compression (Taper)
	2	...	GE.29/10...	Ring, scraper
CP.40/20	2	...	E.656/20	Ring, first compression
	2	...	E.3048/20	Ring, second compression (Taper)
	2	...	GE.29/20...	Ring, scraper
CP.40/40	2	...	E.656/40	Ring, first compression
	2	...	E.3048/40	Ring, second compression (Taper)
	2	...	GE.29/40...	Ring, scraper
CP.137	2	...	E.3380	Ring, first compression (Chrome)
	2	...	E.656	Ring, second compression
	2	...	GE.29	Ring, scraper
CP.137/10	2	...	E.3380/10	Ring, first compression (Chrome)
	2	...	E.656/10	Ring, second compression
	2	...	GE.24/10...	Ring, scraper
CP.137/20	2	...	E.3380/20	Ring, first compression (Chrome)
	2	...	E.656/20	Ring, second compression
	2	...	GE.29/20...	Ring, scraper



## CARTON PACK -- GROUP I

PART No.	DESCRIPTION AND CONTENTS					
<b>Piston Rings 650 c.c. Models</b>						
CP.99 ... ..	2 ... ..	E.2897 ... ..	Ring, first compression			
	2 ... ..	E.3049 ... ..	Ring, second compression (Taper)			
	2 ... ..	E.2898 ... ..	Ring, scraper			
CP.99/10 ... ..	2 ... ..	E.2897/10 ... ..	Ring, first compression			
	2 ... ..	E.3049/10 ... ..	Ring, second compression (Taper)			
	2 ... ..	E.2898/10 ... ..	Ring, scraper			
CP.99/20 ... ..	2 ... ..	E.2897/20 ... ..	Ring, first compression			
	2 ... ..	E.3049/20 ... ..	Ring, second compression (Taper)			
	2 ... ..	E.2898/20 ... ..	Ring, scraper			
CP.138 ... ..	2 ... ..	E.3381 ... ..	Ring, first compression (Chrome)			
	2 ... ..	E.2897 ... ..	Ring, second compression			
	2 ... ..	E.2898 ... ..	Ring, scraper			
CP.138/10 ... ..	2 ... ..	E.3381/10 ... ..	Ring, first compression (Chrome)			
	2 ... ..	E.2897/10 ... ..	Ring, second compression			
	2 ... ..	E.2898/10 ... ..	Ring, scraper			
CP.138/20 ... ..	2 ... ..	E.3381/20 ... ..	Ring, first compression (Chrome)			
	2 ... ..	E.2897/20 ... ..	Ring, second compression			
	2 ... ..	E.2898/20 ... ..	Ring, scraper			
<b>Valves</b>						
CP.6 (5T) ... ..	2 ... ..	E.1955 ... ..	Valve, inlet			
	2 ... ..	E.1956 ... ..	Valve, exhaust			
CP.96 (6T) ... ..	2 ... ..	E.2903 ... ..	Valve, inlet			
	2 ... ..	E.2904 ... ..	Valve, exhaust			
CP.103 (TI00, TR5) ... ..	2 ... ..	E.2969 ... ..	Valve, inlet			
	2 ... ..	E.1956 ... ..	Valve, exhaust			
CP.146 (TI10, TR6) ... ..	2 ... ..	E.3310 ... ..	Valve, inlet			
	2 ... ..	E.2904 ... ..	Valve, exhaust			

## GROUP 1 — CARTON PACK

PART No.

DESCRIPTION AND CONTENTS

### Valve Guides

CP.97	...	...	2	...	...	E.2899	...	...	Guide, inlet
			2	...	...	E.2900	...	...	Guide, exhaust

### Valve Springs

CP.5	...	...	4	...	...	E.1488	...	...	Spring, inner
			4	...	...	E.1487	...	...	Spring, outer
CP.102	...	...	4	...	...	E.3001	...	...	Spring, inner (racing)
			4	...	...	E.3002	...	...	Spring, outer (racing)

### Steering Races

CP.156	...	1	...	...	H.1018	...	...	Cone and dust cover, top
		1	...	...	H.439	...	...	Cone
		2	...	...	H.111	...	...	Cups
		40	...	...	S70-3	...	...	Balls

### Sidecar Machine Jack

CP.153	...	1	...	...	F.4028	...	...	Bracket
		1	...	...	F.2605	...	...	Bolt
		1	...	...	F.4029	...	...	Jack

### SPECIAL NOTE

T110 and TR6 models subsequent to Engine No. 80598 are fitted with:—

1	E3644	Cylinder head	...	...	...	...	—	—	—	—	1	1
2	E3646	Push rod cover tube	...	...	...	...	—	—	—	—	2	2



# GROUP 2 → ENGINE

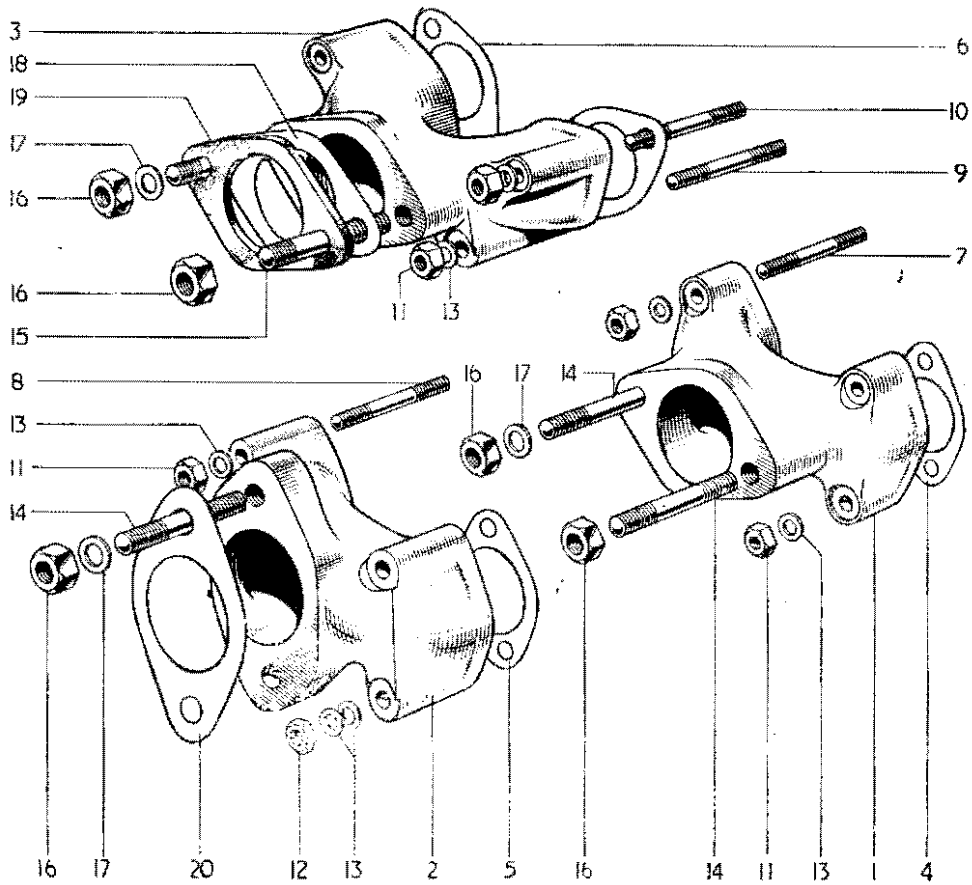


FIG. I. INLET MANIFOLDS

## INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3576	19	24	10	E2973	21	4
	E3304	19	27	11	W103	21	5
2	E3074	19	25	12	F879	21	6
3	E3307	19	26	13	S25-13	21	7
4	E1552	19	28	14	E1553	21	8
	E3334	19	31		E2962	21	9
5	E1676	19	29	15	E2962	21	9
6	E2967	19	30	16	S1-51	21	10
7	E1554	21	1	17	S25-3	21	11
	E2973	21	4	18	NA43A	93	10
8	E2920	21	2	19	E2968	93	11
9	E2972	21	3	20	E3075	94	3

## ENGINE —GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E1554	Stud, inlet manifold to head ...	1 $\frac{11}{16}$ " O/A	4	—	—	—	—
2	E2920	Stud, inlet manifold to head ...	1 $\frac{11}{16}$ " O/A	—	4	—	—	—
3	E2972	Stud, inlet manifold to head, long	2 $\frac{11}{16}$ " O/A	—	—	2	2	—
4	E2973	Stud, inlet manifold to head, short	1 $\frac{5}{16}$ " O/A	—	—	2	2	4
5	W103	Nut, inlet manifold to head ...	...	4	3	4	4	4
6	F879	Nut, inlet manifold to head ...	...	—	1	—	—	—
7	S25-13	Washer, inlet manifold to head ...	...	4	5	4	4	4
8	E1553	Stud, carburetter fixing ...	1 $\frac{3}{16}$ " O/A	2	2	—	—	—
9	E2962	Stud, carburetter fixing ...	1 $\frac{3}{16}$ " O/A	—	—	2	2	2
10	SI-51	Nut, carburetter fixing ...	...	2	2	2	2	2
11	S25-3	Washer, carburetter fixing ...	...	1	2	1	1	1
12	E2415	Clip, H.T. leads to manifold ...	...	1	1	1	1	1

### VALVES, GUIDES AND SPRINGS

13	E1955	Valve, inlet ...	...	2	—	—	—	—
14	E2903	Valve, inlet ...	...	—	2	—	—	—
15	E2969	Valve, inlet ...	...	—	—	2	2	—
16	E3310	Valve, inlet ...	...	—	—	—	—	2
17	E1956	Valve, exhaust ...	...	2	—	2	2	—
18	E2904	Valve, exhaust ...	...	—	2	—	—	2
19	E2899	Guide, inlet valve ...	...	2	2	2	2	2
20	E2900	Guide, exhaust valve ...	...	2	2	2	2	2
21	E1488	Spring, inner valve ...	...	4	4	4	4	4
22	E1487	Spring, outer valve ...	...	4	4	4	4	4
23	E1543	Collar, valve spring top ...	...	4	4	1	4	4
24	E1544	Cup, valve spring bottom ...	...	4	4	4	4	4
25	WE259A	Cotter, valve split ...	...	8	8	8	8	8

### PISTONS, RINGS, ETC.

26	CP29	Piston complete, standard CR7 : 1 ...	...	2	—	—	—	—
27	CP29-10	Piston complete, $-.010$ " CR7 : 1 ...	...	A	—	—	—	—
28	CP29-20	Piston complete, $+.020$ " CR7 : 1 ...	...	A	—	—	—	—
29	CP29-40	Piston complete, $+.040$ " CR7 : 1 ...	...	A	—	—	—	—
30	CP98	Piston complete, standard CR7 : 1 ...	...	—	2	—	—	—
31	CP98-10	Piston complete, $-.010$ " CR7 : 1 ...	...	—	A	—	—	—
32	CP98-20	Piston complete, $+.020$ " CR7 : 1 ...	...	—	A	—	—	—
33	CP135	Piston complete, standard CR8 : 1 ...	...	—	—	2	2	—
34	CP135-10	Piston complete, $-.010$ " CR8 : 1 ...	...	—	—	A	A	—
35	CP135-20	Piston complete, $+.020$ " CR8 : 1 ...	...	—	—	A	A	—
36	CP157	Piston complete, standard CR8.5 : 1 ...	...	—	—	—	—	2
37	CP157-10	Piston complete, $-.010$ " CR8.5 : 1 ...	...	—	—	—	—	A
38	CP157-20	Piston complete, $+.020$ " CR8.5 : 1 ...	...	—	—	—	—	A
39	*CP159	Piston complete, standard CR7.5 : 1 ...	...	—	—	—	—	A
40	*CP159-10	Piston complete, $+.010$ " CR7.5 : 1 ...	...	—	—	—	—	A
41	*CP159-20	Piston complete, $+.020$ " CR7.5 : 1 ...	...	—	—	—	—	A
42	E656	Ring, piston compression, standard ...	...	2	—	2	2	—
43	E656/10	Ring, piston compression, $-.010$ ...	...	A	—	A	A	—

\* Supplied as standard for Australian market.

## GROUP 2 — ENGINE

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E656/20	Ring, piston compression, —.020" ... ..	A	—	A	A	—	—
2	E656/40	Ring, piston compression, —.040" ... ..	A	—	—	—	—	—
3	E3380	Ring, piston compression, standard (Chrome)	—	—	2	2	—	—
4	E3380/10	Ring, piston compression, —.010" (Chrome)	—	—	A	A	—	—
5	E3380/20	Ring, piston compression, —.020" (Chrome)	—	—	A	A	—	—
6	E3048	Ring, piston compression, standard (Taper) ...	2	—	—	—	—	—
7	E3048/10	Ring, piston compression, —.010" (Taper) ...	A	—	—	—	—	—
8	E3048/20	Ring, piston compression, —.020" (Taper) ...	A	—	—	—	—	—
9	E3048/40	Ring, piston compression, —.040" (Taper) ...	A	—	—	—	—	—
10	E2897	Ring, piston compression, standard ... ..	—	2	—	—	2	2
11	E2897/10	Ring, piston compression, —.010" ... ..	—	A	—	—	A	A
12	E2897/20	Ring, piston compression, —.020" ... ..	—	A	—	—	A	A
13	E3381	Ring, piston compression, standard (Chrome)	—	—	—	—	2	2
14	E3381/10	Ring, piston compression, —.010" (Chrome)	—	—	—	—	A	A
15	E3381/20	Ring, piston compression, —.020" (Chrome)	—	—	—	—	A	A
16	E3049	Ring, piston compression, standard (Taper) ...	—	2	—	—	—	—
17	E3049/10	Ring, piston compression, —.010" (Taper) ...	—	A	—	—	—	—
18	E3049/20	Ring, piston compression, —.020" (Taper) ...	—	A	—	—	—	—
19	GE29	Ring, piston scraper, standard ... ..	2	—	2	2	—	—
20	GE29/10	Ring, piston scraper, —.010" ... ..	A	—	A	A	—	—
21	GE29/20	Ring, piston scraper, —.020" ... ..	A	—	A	A	—	—
22	GE29/40	Ring, piston scraper, —.040" ... ..	A	—	—	—	—	—
23	E2898	Ring, piston scraper, standard ... ..	—	2	—	—	2	2
24	E2898/10	Ring, piston scraper, —.010" ... ..	—	A	—	—	A	A
25	E2898/20	Ring, piston scraper, —.020" ... ..	—	A	—	—	A	A
26	WE203E	Pin, gudgeon ... ..	2	2	2	2	2	2
27	WE479	Circlip, gudgeon pin ... ..	4	4	4	4	4	4

Piston assemblies (Alternative Compression Ratios) and piston ring sets are available in carton packs, see pages 11 to 16.

### CRANKSHAFT AND FLYWHEEL ASSEMBLY

28	E3451	Crankshaft and flywheel assembly ... ..	1	—	1	1	—	—
29	E3452	Crankshaft and flywheel assembly ... ..	—	1	—	—	1	1
30	E3306	Flywheel ... ..	1	1	1	1	1	1
31	E3453	Crankshaft, timing side c/w stud ... ..	1	—	1	1	—	—
32	E3454	Crankshaft, timing side c/w stud ... ..	—	1	—	—	1	1
33	E3455	Plug, T/S crankshaft ... ..	1	1	1	1	1	1
34	E3329	Crankshaft, driving side c/w stud ... ..	1	—	1	1	—	—
35	E3330	Crankshaft, driving side c/w stud ... ..	—	1	—	—	1	1
36	E3114	Stud, driving side, crankshaft 1 <sup>1</sup> / <sub>8</sub> " O/A ...	1	1	1	1	1	1
37	E1562	Bolt, crankshaft to flywheel 1 <sup>1</sup> / <sub>2</sub> " U/H ...	6	6	6	6	6	6
38	W103	Nut, crankshaft to flywheel bolt ... ..	6	6	6	6	6	6
39	E3456	Oil tube, crankshafts ... ..	1	1	1	1	1	1

## ENGINE - GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>CONNECTING RODS</b>								
1	E3606	Connecting rod, complete ... ..	2	2	2	2	2	2
2	E3586	Bearing, connecting rod big end ... ..	4	4	4	4	4	4
3	E1511	Bush, connecting rod small end ... ..	2	2	2	2	2	2
4	E2490A	Bolt, connecting rod to cap 2 $\frac{33}{32}$ " U/H ...	4	4	4	4	4	4
5	E2922	Nut, connecting rod to cap bolt ... ..	4	4	4	4	4	4

**Note.** Machines previous to Engine Number 75103 were fitted with connecting rod Part No. E3328, but the connecting rod Part No. E3606 with insert big end bearing may be fitted as a replacement, if used in pairs.

<b>CRANKCASE</b>								
6	E2220A/3281	Crankcase assembly less main bearings ...	—	—	1	1	—	—
7	E2892/3314	Crankcase assembly less main bearings ...	1	1	—	—	—	—
8	E2892/3282	Crankcase assembly less main bearings ...	—	—	—	—	1	1
9	E672	Stud, crankcase cylinder base ... 1 $\frac{1}{8}$ " O/A	6	6	6	6	6	6
10	E3523	Stud, crankcase cylinder base (Dowel) 1 $\frac{1}{8}$ " O/A	2	2	2	2	2	2
11	W76	Nut, crankcase cylinder base stud ... ..	4	4	—	—	4	4
12	PO172A	Nut, crankcase cylinder base stud ... ..	4	4	—	—	4	4
13	E2412	Nut, crankcase cylinder base stud ... ..	—	—	8	8	—	—
14	G5308	Washer, crankcase cylinder base stud ...	—	—	8	8	—	—
15	E1534A	Dowel, crankcase cylinder base stud (E3523)	2	2	2	2	2	2
16	E1579	Dowel, crankcase halves ... ..	1	1	1	1	1	1
17	E1534A	Dowel, crankcase halves hollow ... ..	1	1	1	1	1	1
18	E2022	Stud, magneto/distributor to crankcase 1 $\frac{1}{8}$ " O/A	3	3	3	3	3	3
19	F1008	Nut, magneto to crankcase stud ... ..	—	—	3	3	3	3
20	S25-3	Washer, magneto to crankcase stud ... ..	—	—	3	3	3	3
21	S1-51	Nut, distributor to crankcase stud ... ..	3	3	—	—	—	—
22	E1539	Stud, oil junction block 1 $\frac{1}{32}$ " O/A ... ..	1	1	1	1	1	1
23	S1-51	Nut, oil junction block stud ... ..	1	1	1	1	1	1
24	S23-3	Washer, oil junction block stud ... ..	1	1	1	1	1	1
25	E1532	Dowel, oil junction block ... ..	1	1	1	1	1	1
26	1535	Dowel, crankcase to timing cover ... ..	1	1	1	1	1	1

# SPEED TWIN (5T) ENGINE

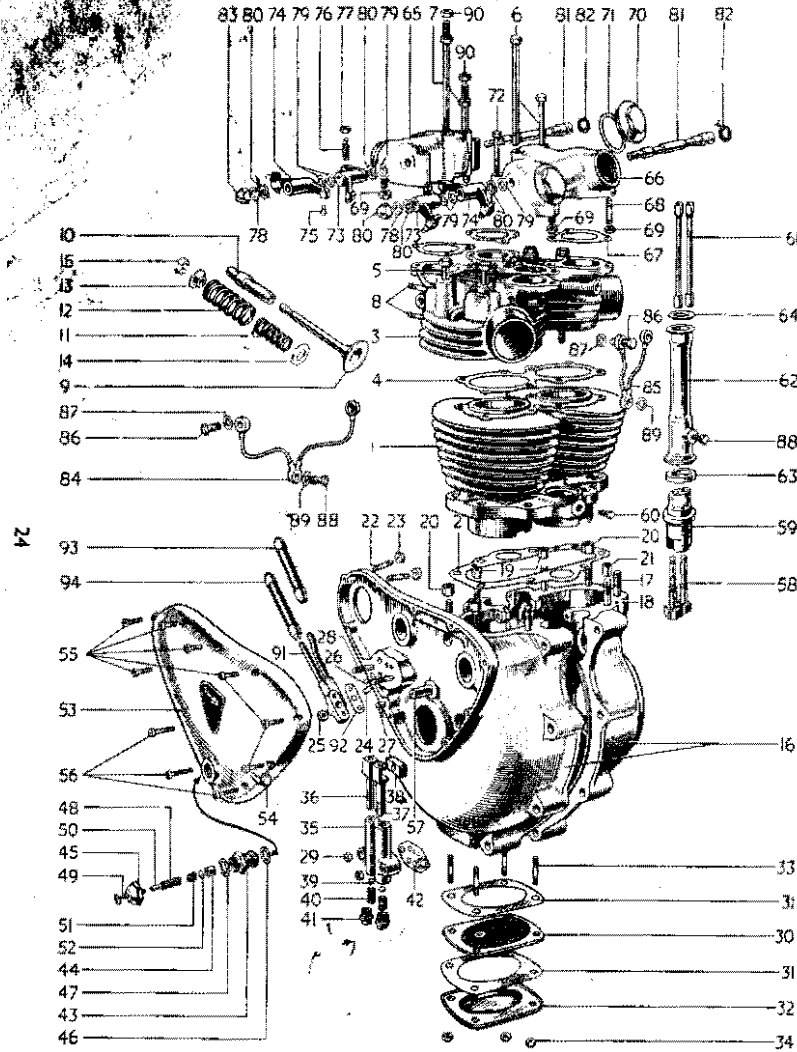


FIG. 2. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

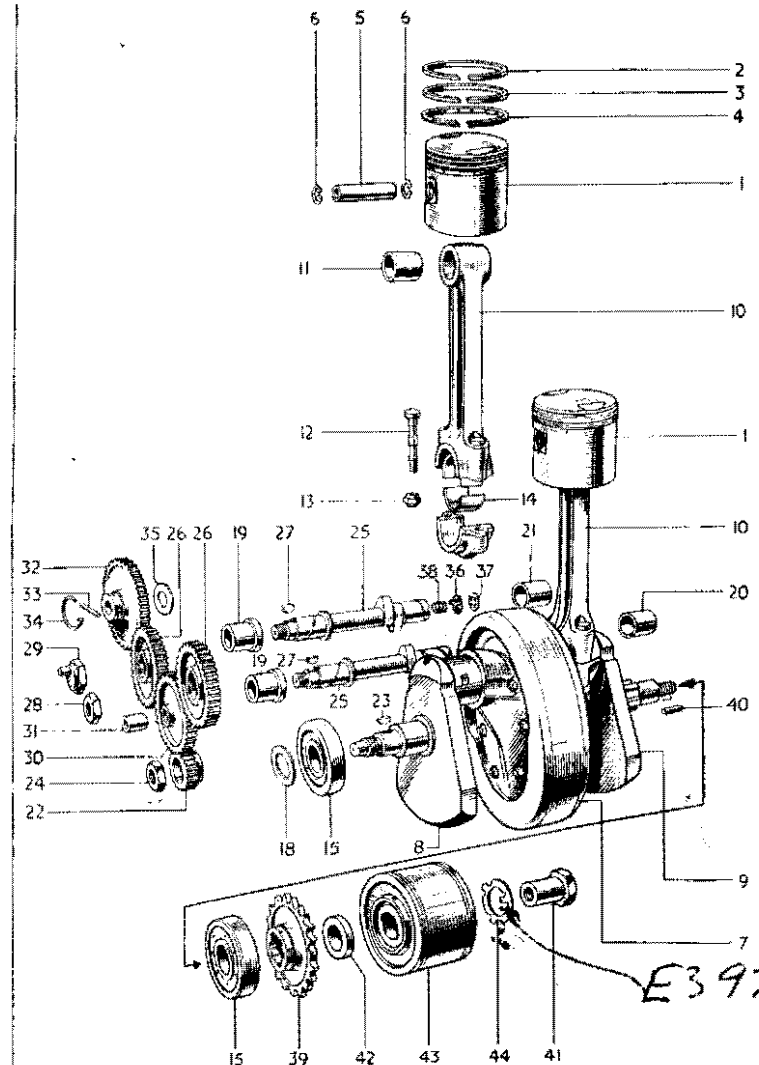


FIG. 3. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEAR, etc.

GROUP 2 - ENGINE

E3975



INDEX FIG. 2

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3525	19	1	31	E487	32	8	63	E1496	34	15
2	E2894	19	6	32	E486	32	9	64	E3547	34	16
3	E2928	19	7	33	E1540	32	10	65	E1461T	34	17
4	E2248	19	13	34	F879	32	12	66	E1462T	34	19
5	E327	19	16	35	GS35	32	27	67	E1650	34	21
6	E1484	19	17	36	GS153	32	28	68	E1540	34	23
7	E1596	19	18	37	E1476	32	29	69	F879	34	25
8	E1554	21	1	38	E495	32	30	70	E1564	34	27
9	E1955 E1474	21	13	39	S70-7	32	31	71	E1577	34	28
	E1956 E1474	21	17	40	E403	32	32	72	E1545	34	29
10	E2899	21	19	41	E2360	32	33	73	E1457	34	32
	E2900	21	20	42	E1537	32	34	74	E1458	34	33
11	E1488	21	21	43	E2794	33	2	75	E1483	34	34
12	E1487	21	22	44	GS251	33	3	76	E1513	34	35
13	E1543	21	23	45	E2790	33	4	77	E470	34	36
14	E1544	21	24	46	E1670	33	5	78	E1330	35	1
15	WE259A	21	25	47	GS254	33	6	79	E1575	35	2
16	E2892/3314	23	7	48	E2788	33	7	80	E1574	35	3
17	E672	23	9	49	E2791	33	8	81	E1512	35	4
18	E3523	23	10	50	E2793	33	9	82	E3253	35	5
19	W76	23	11	51	E2789	33	10	83	E1435	35	6
20	PO172A	23	12	52	E2792	33	11	84	GS272	35	10
21	E1534A	23	15	53	E3110 5T	33	12	85	GS273	35	11
22	E2022	23	18	54	E2615	33	24	86	E1601	35	12
23	S1-51	23	21	55	E3437	33	26	87	E1335	35	14
24	E1539	23	22	56	E3439	33	27	88	E984	35	15
25	S1-51	23	23	57	E375	33	39	89	E1880	35	16
26	E1532	23	25	58	E3059	34	6	90	S152	50	19
27	E1535	23	26	59	E1477	34	7	91	E3355	74	23
28	E1536	32	1	60	H200	34	9	92	E1529	74	24
29	F879	32	2	61	E1693	34	11	93	E3354	74	22
30	E529	32	7	62	E1505	34	13	94	E3353	74	21

INDEX FIG. 3

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP29	21	26	19	E1479	32	15	35	146460	33	43
2	E656	21	42	20	E1516	32	16	36	E2254	34	1
3	E3048	22	6	21	E2260	32	17	37	G587	34	2
4	GE29	22	19	22	E1472	33	28	38	E2256	34	3
5	WE203E	22	26	23	E1580	33	29	39	E3108 22	35	18
6	WE479	22	27	24	E398	33	30	40	E3115	35	27
7	E3306	22	30	25	E3275	33	31	41	E3435	35	28
8	E3453	22	31	26	E1486A	33	33	42	E3116	35	31
9	E3329	22	34	27	E1558	33	34	43	465969	104	2
10	E3606	23	1	28	E1492	33	35	44	465672	104	10
11	E1511	23	3	29	E1463	33	36				
12	E2490A	23	4	30	E1471	33	37				
13	E2922	23	5	31	E400	33	38				
14	3586	23	2	32	E3123	33	40				
15	E1591	32	13	33	E3125	33	41				
18	E3300	32	19	34	E3126	33	42				

ENGINE - GROUP 2

# THUNDERBIRD (6T ENGINE)

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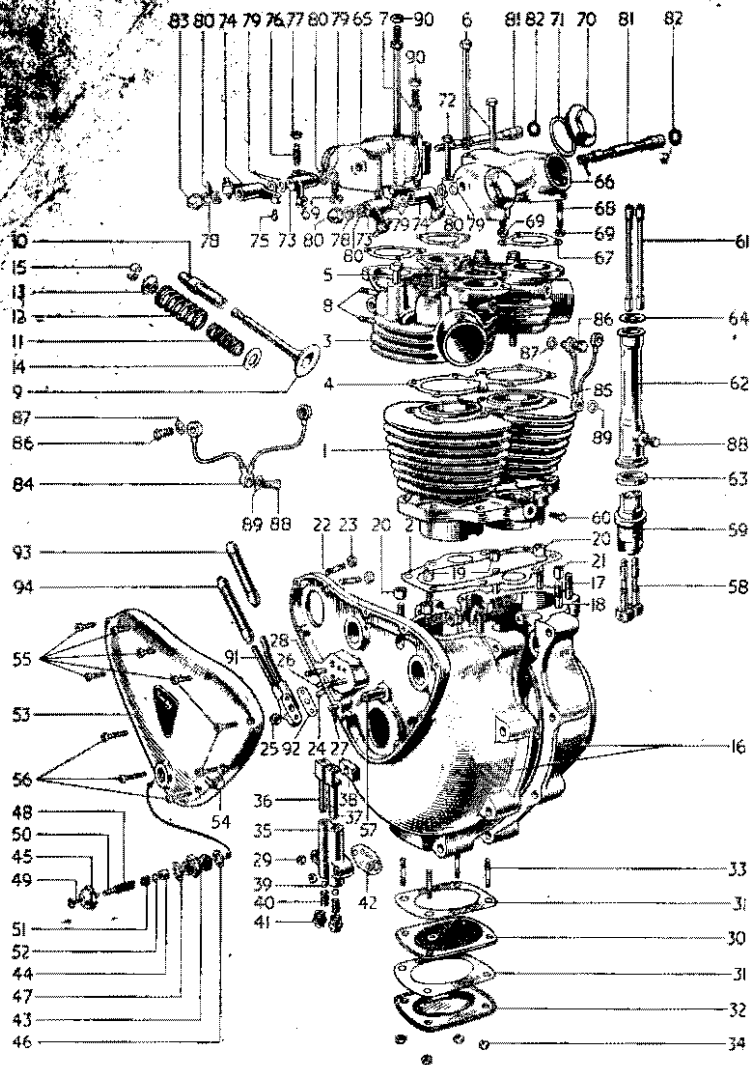


FIG. 4. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

GROUP 2 - ENGINE

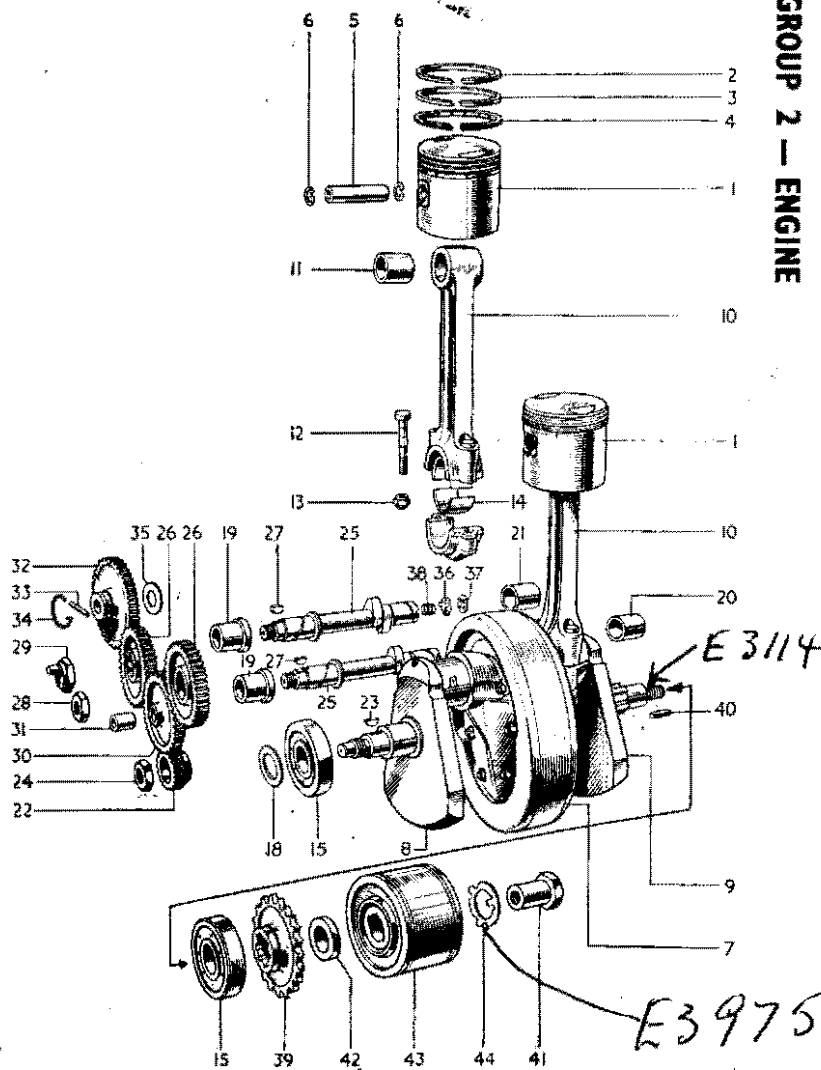


FIG. 5. CRANKSHAFT, CONNECTING RODS, PISTON TIMING GEAR, etc.

INDEX FIG. 4

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3332	19	2	31	E487	32	8	63	E1469	34	15
2	E2894	19	6	32	E486	32	9	64	E3547	34	16
3	E2896	19	8	33	E1540	32	10	65	E1461T	34	17
4	E3614	19	14	34	F879	32	12	66	E1462T	34	19
5	E327	19	16	35	GS35	32	27	67	E1650	34	21
6	E1484	19	17	36	GS153	32	28	68	E1540	34	23
7	E1596	19	18	37	E1476	32	29	69	F879	34	25
8	E2920	21	2	38	E495	32	30	70	E1564	34	27
9	E2903	21	14	39	S70-7	32	31	71	E1577	34	28
	E2904	21	18	40	E403	32	32	72	E1545	34	29
10	E2899	21	19	41	E2360	32	33	73	E1457	34	32
	E2900	21	20	42	E1537	32	34	74	E1458	34	33
11	E1488	21	21	43	E2794	33	2	75	E1483	34	34
12	E1487	21	22	44	GS251	33	3	76	E1513	34	35
13	E1543	21	23	45	E2790	33	4	77	E470	34	36
14	E1544	21	24	46	E1670	33	5	78	E1330	35	1
15	WE259A	21	25	47	GS254	33	6	79	E1575	35	2
16	E2892/3314	23	7	48	E2788	33	7	80	E1574	35	3
17	E672	23	9	49	E2791	33	8	81	E1512	35	4
18	E3523	23	10	50	E2793	33	9	82	E3253	35	5
19	W76	23	11	51	E2789	33	10	83	E1435	35	6
20	PO172A	23	12	52	E2792	33	11	84	GS272	35	10
21	E1534A	23	15	53	E3310 6T	33	13	85	GS273	35	11
22	E2022	23	18	54	E2615	33	24	86	E1601	35	12
23	S1-51	23	21	55	E3437	33	26	87	E1335	35	14
24	E1539	23	22	56	E3439	33	27	88	E984	35	15
25	S1-51	23	23	57	E375	33	39	89	F1880	35	16
26	E1532	23	25	58	E3059	34	6	90	S1-52	50	19
27	E1535	23	26	59	E1477	34	7	91	E3355	74	23
28	E1536	32	1	60	H200	34	9	92	E1529	74	24
29	F879	32	2	61	E1693	34	11	93	E3354	74	22
30	E529	32	7	62	E1505	34	13	94	E3353	74	21

INDEX FIG. 5

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP98	21	30	18	E3300	32	19	33	E3125	33	41
2	E2897	22	10	19	E1479	32	15	34	E3126	33	42
3	E3049	22	16	20	E1516	32	16	35	146460	33	43
4	E2898	22	23	21	E2200	32	17	36	E2254	34	1
5	WE203E	22	26	22	E1472	33	28	37	GS87	34	2
6	WE479	22	27	23	E1580	33	29	38	E2256	34	3
7	E3306	22	30	24	E398	33	30	39	E3108/24	35	20
8	E3454	22	32	25	E3275	33	31	40	E3115	35	27
9	E3330	22	35	26	E1486A	33	33	41	E3435	35	28
10	E3606	23	1	27	E1558	33	34	42	E3118	35	31
11	E1511	23	3	28	E1492	33	35	43	465969	104	2
12	E2490A	23	4	29	E1463	33	36	44	465672	104	10
13	E2922	23	5	30	E1471	33	37				
14	E3586	23	2	31	E400	33	38				
15	E1591	32	13	32	E3123	33	40				

ENGINE - GROUP 2.

# TROPHY (TR5) AND TIGER 100 (T100) ENGINE

## GROUP 2 - ENGINE

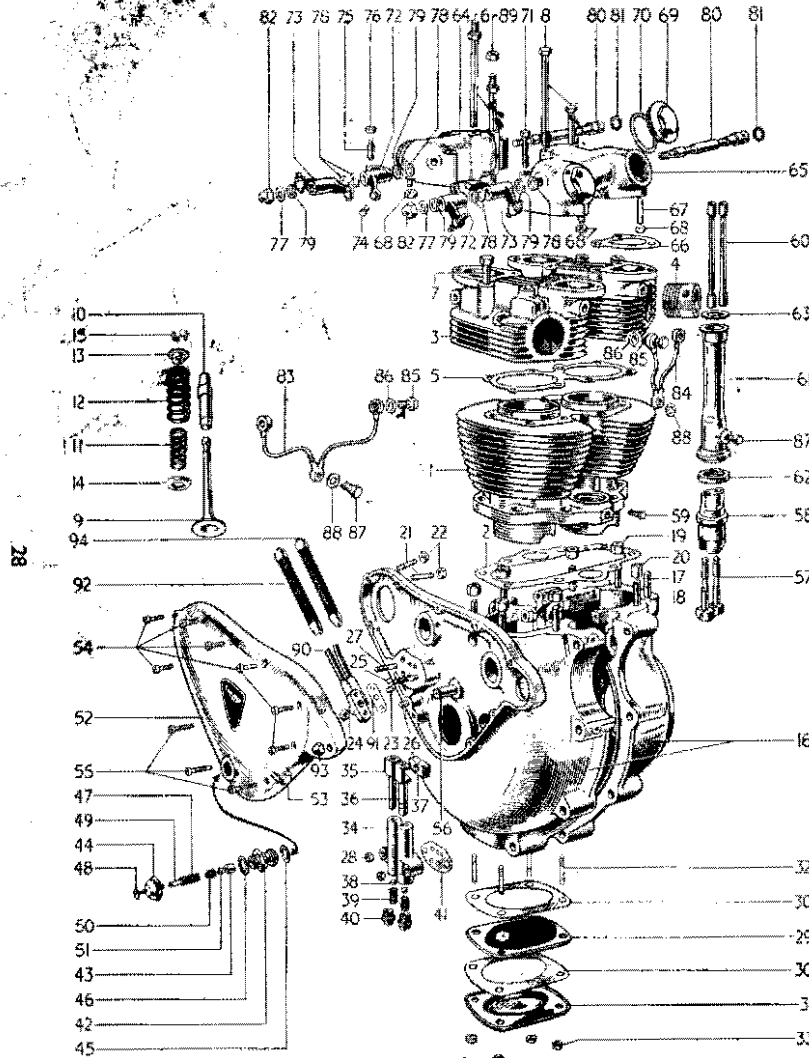


FIG. 6. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

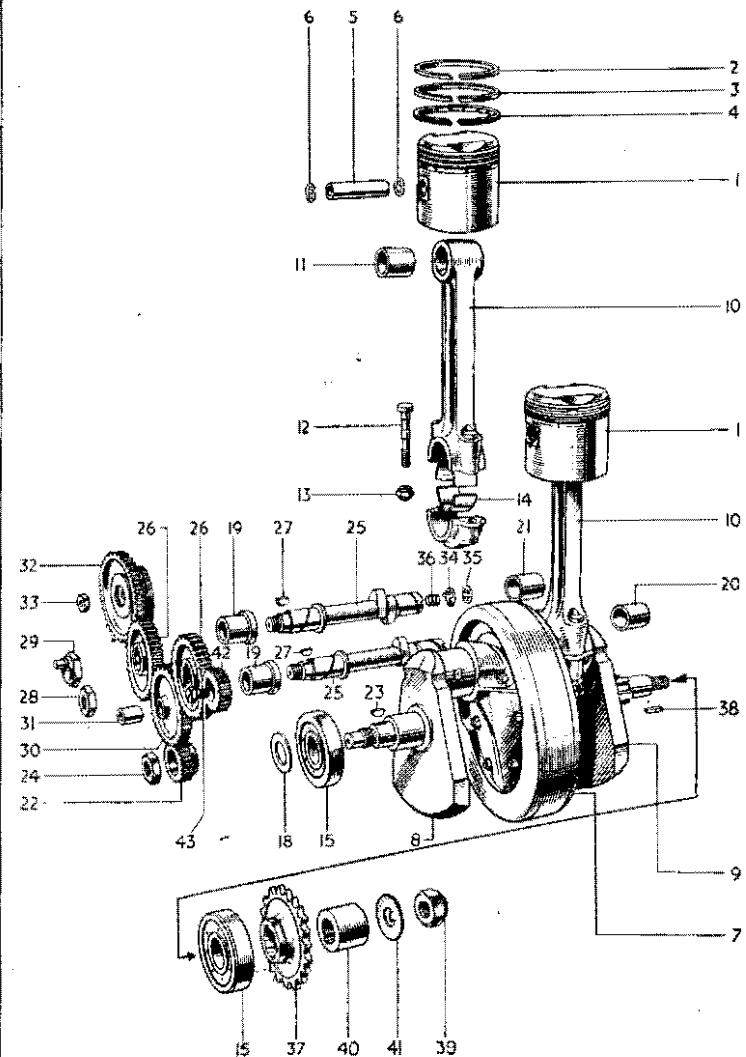


FIG. 7. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

INDEX FIG. 6

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3591	19	3	32	E1540	32	10	64	E1461T	34	17
2	E2249	19	5	33	F879	32	12	65	E1462T	34	19
3	E3593	19	9	34	GS35	32	27	66	E1650	34	21
4	E2961	19	11	35	GS153	32	28	67	E2980	34	24
5	E3003	19	15	36	E1476	32	29	68	F879	34	25
6	E1596A	19	19	37	E495	32	30	69	E1564	34	27
7	E2873	19	20	38	S70-7	32	31	70	E1577	34	28
8	E2874	19	21	39	E403	32	32	71	E2982	34	30
9	E2969	21	15	40	E2360	32	33	72	E1457	34	32
	E1956	21	17	41	E1537	32	34	73	E1458	34	33
10	E2899	21	19	42	E2794	33	2	74	E1483	34	34
	E2900	21	20	43	GS251	33	3	75	E1513	34	35
11	E1488	21	21	44	E2790	33	4	76	E470	34	36
12	E1487	21	22	45	E1670	33	5	77	E1330	35	1
13	E1543	21	23	46	GS254	33	6	78	E1575	35	2
14	E1544	21	24	47	E2788	33	7	79	E1574	36	3
15	WE259A	21	25	48	E2791	33	8	80	E1512	35	4
16	E2220A/3281	23	6	49	E2793	33	9	81	E3253	35	5
17	E672	23	9	50	E2789	33	10	82	E1435	35	6
18	E3523	23	10	51	E2792	33	11	83	GS272	35	10
19	E2412	23	13	52	E2218/T100	33	15	84	GS273	35	11
20	E1534A	23	15		E2218/Trophy	33	14	85	E2767	35	13
21	E2022	23	18	53	E2615	33	24	86	E1335	35	14
22	F1008	23	19	54	E3437	33	26	87	E984	35	15
23	E1539	23	22	55	E3439	33	27	88	F1880	35	16
24	51-51	23	23	56	E375	33	39	89	SI-52	50	19
25	E1532	23	25	57	E3059	34	6	90	E3355	74	23
26	E1535	23	26	58	GS36	34	8	91	E1529	74	24
27	E1536	32	1	59	H200	34	9	92	E3353	74	21
28	F879	32	2	60	E2620	34	12	93	E2228	98	24
29	E529	32	7	61	E1505	34	13	94	E3354	74	22
30	E487	32	8	62	E1496	34	15				
31	E486	32	9	63	E3547	34	16				

INDEX FIG. 7

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP135	21	33	15	E1591	32	13	30	E1471	33	37
2	E3380	22	3	18	E3300	32	19	31	E400	33	38
3	E656	21	42	19	E1479	32	15	32	E2741	33	44
4	GE29	22	19	20	E1516	32	16	33	170104	33	45
5	WE203E	22	26	21	E2260	32	17	34	E2254	34	1
6	WE479	22	27	22	E1472	32	28	35	GS87	34	2
7	E3306	22	30	23	E1580	32	29	36	E2256	34	3
8	E3453	22	31	24	E398	32	30	37	E3108/21	35	21
9	E3329	22	34	25	E3275	33	31		E3108/22	35	18
10	E3606	23	1		E3325	33	32	38	E3115	35	27
11	E1511	23	3	26	E1486A	33	33	39	E3120	35	29
12	E2490A	23	4	27	E1558	33	34	40	E3384	35	30
13	E2922	23	5	28	E1492	33	35	41	E3119	35	32
14	E3586	23	2	29	E1463	33	36	42	E2451	98	21
								43	111704	98	22

ENGINE - GROUP 2

# TROPHY (TR6) AND TIGER 110 (T110) ENGINE

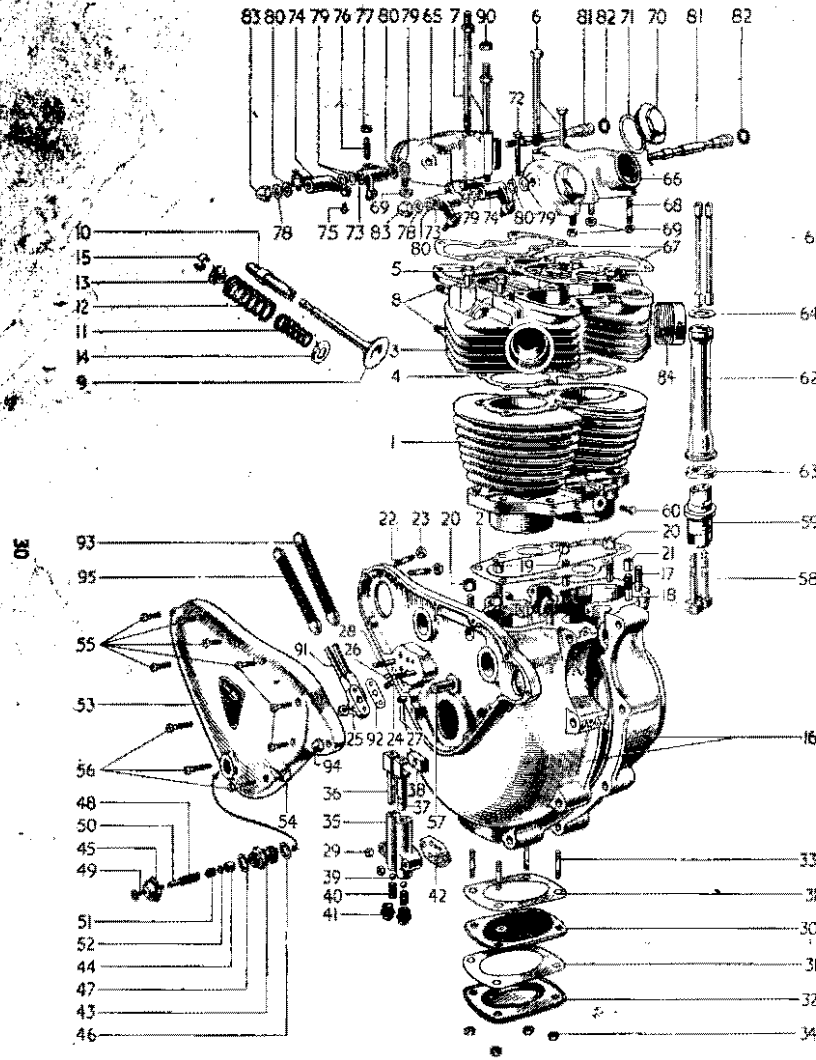


FIG. 8. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

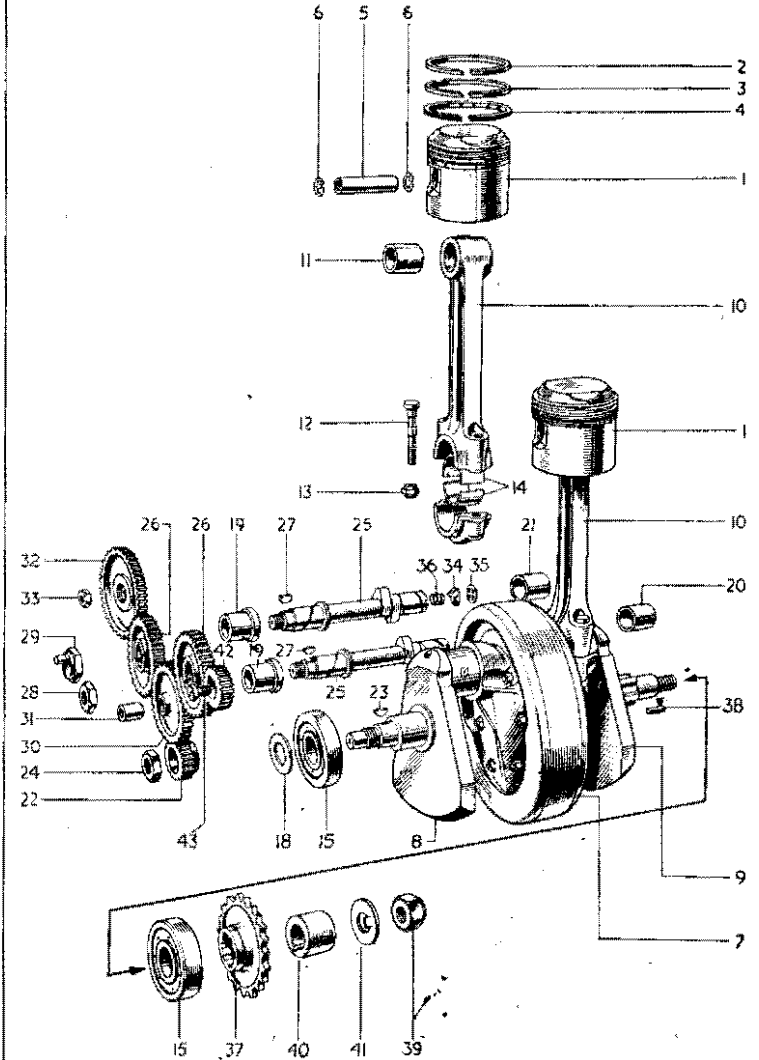


FIG. 9. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

GROUP 2 - ENGINE

INDEX FIG. 8

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3332	19	2	31	E487	32	8	62	E3554	34	14
	E3332/TR6	19	4	32	E486	32	9	63	E1496	34	15
2	E2894	19	6	33	E1540	32	10	64	E3547	34	16
3	E3608	19	10	34	F879	32	12	65	E3550	34	18
4	E3614	19	14	35	GS35	32	27	66	E3551	34	20
5	E327	19	16	36	GS153	32	28	67	E3552	34	22
6	E1484	19	17	37	E1476	32	29	68	E2980	34	24
7	E1596	19	18	38	E495	32	30	69	F879	34	25
8	E2973	21	4	39	S70-7	32	31	70	E1564	34	27
9	E3310	21	16	40	E403	32	32	71	E1577	34	28
	E2904	21	18	41	E2360	32	33	72	E1545	34	29
10	E2899	21	19	42	E1537	32	34	73	E1457	34	32
	E2900	21	20	43	E2794	33	2	74	E1458	34	33
11	E1488	21	21	44	GS251	33	3	75	E1483	34	34
12	E1487	21	22	45	E2790	33	4	76	E1513	34	35
13	E1543	21	23	46	E1670	33	5	77	E470	34	36
14	E1544	21	24	47	GS254	33	6	78	E1330	35	1
15	WE259A	21	25	48	E2788	33	7	79	E1575	35	2
16	E2892/3282	23	8	49	E2791	33	8	80	E1574	35	3
17	E672	23	9	50	E2793	33	9	81	E1512	35	4
18	E3253	23	10	51	E2789	33	10	82	E3253	35	5
19	W76	23	11	52	E2792	33	11	83	E1435	35	6
20	PO172A	23	12	53	E2218/T110	33	16	84	E3583	19	12
21	E1534A	23	15		E2218/Trophy	33	14	90	S1-52	50	19
22	E2022	23	18	54	E2615	33	24	91	E3335	74	23
23	F1008	23	19	55	E3437	33	26	92	E1529	74	24
24	E1539	23	22	56	E3439	33	27	93	E3353	74	21
25	S1-51	23	23	57	E375	33	39	94	E2228	98	24
26	E1532	23	25	58	E3059	34	6	95	E3354	74	22
27	E1535	23	26	59	E1477	34	7				
28	E1536	32	1	60	H200	34	9				
29	F879	32	2	61	E2620	34	12				
30	E529	32	7								

INDEX FIG. 9

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP157	21	36	15	E1591	32	13	31	E400	33	38
2	E3581	22	13	18	E3300	32	19	32	E2741	33	44
3	E2897	22	10	19	E1479	32	15	33	I70104	33	45
4	E2898	22	23	20	E1516	32	14	34	E2254	34	1
5	WE203E	22	26	21	E2260	32	17	35	G587	34	2
6	WE479	22	27	22	E1472	33	28	36	E2256	34	3
7	E3306	22	30	23	E1580	33	29	37	E3108/24	35	20
8	E3454	22	32	24	E398	33	30	38	E3115	35	27
9	E3330	22	35	25	E3325	33	32	39	E3120	35	29
10	E3606	23	1	26	E1486A	33	33	40	E3384	35	30
11	E1511	23	3	27	E1558	33	34	41	E3119	35	32
12	E2490A	23	4	28	E1492	33	35	42	E2451	98	21
13	E2922	23	5	29	E1463	33	36	43	I11704	98	22
14	E3586	23	2	30	E1471	33	37				

ENGINE - GROUP 2

## GROUP 2 — ENGINE

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E1536	Stud, oil pump fixing 1 $\frac{1}{16}$ " O/A ... ..	2	2	2	2	2	2
2	F879	Nut, oil pump fixing stud ... ..	2	2	2	2	2	2
3	E2312	Washer, oil pump fixing stud ... ..	2	2	2	2	2	2
4	E1508	Pipe, crankcase oil return ... ..	1	1	1	1	1	1
5	E1509	Clip, crankcase oil return pipe ... ..	1	1	1	1	1	1
6	E1645	Screw, crankcase oil return pipe $\frac{3}{16}$ " U/H ...	1	1	1	1	1	1

### CRANKCASE OIL FILTER

7	E529	Filter, crankcase oil ... ..	1	1	1	1	1	1
8	E487	Washer, crankcase oil filter joint ... ..	2	2	2	2	2	2
9	E486	Cover, crankcase oil filter joint ... ..	1	1	1	1	1	1
10	E1540	Stud, crankcase oil filter joint $\frac{3}{16}$ " O/A ...	4	4	4	4	4	4
11	E1612	Washer, crankcase oil filter stud locking ...	4	4	4	4	4	4
12	F879	Nut, crankcase oil filter ... ..	4	4	4	4	4	4

### CRANKCASE BEARINGS

13	E1591 <i>MS11</i>	Bearing, crankcase timing side (ball) ... ..	1	1	1	1	1	1
14	E1591 <i>MS11</i>	Bearing, crankcase driving side (ball) ... ..	1	1	1	1	1	1
15	E1479	Bush, timing side camshaft ... ..	2	2	2	2	2	2
16	E1516	Bush, driving side camshaft (exhaust) ... ..	1	1	1	1	1	1
17	E2260	Bush, driving side camshaft (breather) ... ..	1	1	1	1	1	1
18	E2311	Pin, timing side camshaft (breather) ... ..	1	1	1	1	1	1
19	E3300	Clamping Washer, T/S bearing ... ..	1	1	1	1	1	1

### STUDS AND BOLTS FOR CRANKCASE HALVES

20	E1555	Bolt, crankcase top rear ... ..	1	1	1	1	1	1
21	S25-3	Washer, crankcase top rear bolt ... ..	1	1	1	1	1	1
22	T456	Stud, crankcase bottom front 3 $\frac{1}{4}$ " O/A ...	1	1	1	1	1	1
23	S1-51	Nut, crankcase bottom front stud ... ..	2	2	2	2	2	2
24	S25-3	Washer, crankcase bottom front stud ... ..	2	2	2	2	2	2
25	E1647	Screw, crankcase inside boss $\frac{3}{4}$ " U/H ...	2	2	2	2	2	2

FOR ENGINE PLATE STUDS SEE PAGE 52.

### OIL PUMP

26	E3072	Pump, assembly, oil ... ..	1	1	1	1	1	1
27	G535	Body, oil pump ... ..	1	1	1	1	1	1
28	G5153	Plunger, oil pump feed ... ..	1	1	1	1	1	1
29	E1476	Plunger, oil pump scavenge ... ..	1	1	1	1	1	1
30	E495	Block, oil pump slider ... ..	1	1	1	1	1	1
31	S70-7	Ball, oil pump valve ... ..	2	2	2	2	2	2
32	E403	Spring, oil pump valve ... ..	2	2	2	2	2	2
33	E2360	Plug, oil pump body ... ..	2	2	2	2	2	2
34	E1537	Washer, oil pump joint ... ..	1	1	1	1	1	1



## ENGINE — GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>OIL RELEASE VALVE</b>								
1	E2795	Valve, release and oil indicator	1	1	1	1	1	1
2	E2794	Body, release valve	1	1	1	1	1	1
3	GS251	Piston, release valve	1	1	1	1	1	1
4	E2790	Cap, release valve	1	1	1	1	1	1
5	E1670	Washer, release valve body	1	1	1	1	1	1
6	GS254	Washer, release valve cap	1	1	1	1	1	1
7	E2788	Spring, release valve main	1	1	1	1	1	1
8	E2791	Shaft, indicator button	1	1	1	1	1	1
9	E2793	Tube, indicator rubber	1	1	1	1	1	1
10	E2789	Spring, indicator auxiliary	1	1	1	1	1	1
11	E2792	Nut, indicator shaft	1	1	1	1	1	1
<b>TIMING COVER</b>								
12	E3110:5T	Cover, timing gear	1	—	—	—	—	—
13	E3110:6T	Cover, timing gear	—	1	—	—	—	—
14	E2218:TROPHY	Cover, timing gear	—	—	1	—	—	1
15	E2218:T100	Cover, timing gear	—	—	—	1	—	—
16	E2218:T110	Cover, timing gear	—	—	—	—	1	—
17	E1595	Patent plate	1	—	—	—	—	—
18	E2909	Patent plate	—	1	—	—	—	—
19	E2876	Patent plate	—	—	1	—	—	1
20	E1678	Patent plate	—	—	—	1	—	—
21	E2910	Patent plate	—	—	—	—	1	—
22	D208-5	Rivet, patent plate	3	3	3	3	3	3
23	E378	Bush, timing gear cover	1	1	1	1	1	1
24	E2615	Plug, timing gear cover	1	1	1	1	1	1
25	E1335	Washer, timing gear cover plug	1	1	1	1	1	1
26	E3437	Screw, timing gear cover (short) $\frac{1}{8}$ " U:H	7	7	7	7	7	7
27	E3439	Screw, timing gear cover (long) $\frac{1}{8}$ " U:H	3	3	3	3	3	3
<b>TIMING GEARS AND CAMSHAFTS</b>								
28	E1472	Pinion, timing	1	1	1	1	1	1
29	E1580	Key, timing pinion	1	1	1	1	1	1
30	E398	Nut, timing pinion	1	1	1	1	1	1
31	E3275	Camshaft, inlet and exhaust	2	2	—	2	—	—
32	E3325	Camshaft, inlet and exhaust	—	—	2	—	2	2
33	E1486A	Wheel, inlet and exhaust camshaft	2	2	2	2	2	2
34	E1558	Key, camshaft wheel	2	2	2	2	2	2
35	E1492	Nut, camshaft wheel exhaust	1	1	1	1	1	1
36	E1463	Nut, camshaft wheel inlet (pump drive)	1	1	1	1	1	1
37	E1471	Wheel, intermediate gear	1	1	1	1	1	1
38	E400	Bush, intermediate gear wheel	1	1	1	1	1	1
39	E375	Spindle, intermediate gear wheel	1	1	1	1	1	1
40	E3123	Pinion, distributor	1	1	—	—	—	—
41	E3125	Pin, distributor pinion	1	1	—	—	—	—
42	E3126	Circlip, distributor pinion	1	1	—	—	—	—
43	146460	Washer, distributor pinion (brass)	1	1	—	—	—	—
44	E2741	Gear, Magneto (fixed)	—	—	1	1	1	1
45	170104	Nut, Magneto gear $\frac{3}{8}$ " std.	—	—	1	1	1	1
46	E1330	Washer, Magneto gear $\frac{3}{8}$ " std.	—	—	1	1	1	1

## GROUP 2 — ENGINE

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>CRANKCASE BREATHER</b>								
1	E2254	Valve, crankcase rotary	1	1	1	1	1	1
2	GS87	Disc, crankcase rotary valve	1	1	1	1	1	1
3	E2256	Spring, crankcase rotary valve	1	1	1	1	1	1
4	E2724	Pipe, crankcase breather	1	1	1	1	1	1
5	E3078	Extension, crankcase breather pipe (rubber)	1	1	1	1	1	1
<b>TAPPETS AND TAPPET BLOCKS</b>								
6	E3059	Tappet	4	4	4	4	4	4
7	E1477	Block, tappet guide	2	2	—	—	2	2
8	GS36	Block, tappet guide	—	—	2	2	—	—
9	H200	Screw, tappet guide block lock $\frac{3}{16}$ " U/H	2	2	2	2	2	2
10	E2312	Washer, tappet guide block lock	2	2	2	2	2	2
<b>PUSH RODS</b>								
11	E1693	Rod, push	4	4	—	—	—	—
12	E2620	Rod, push	—	—	4	4	4	4
<b>PUSH ROD COVER TUBE</b>								
13	E1505	Tube, push rod cover	2	2	2	2	—	—
14	*E3554	Tube, push rod cover	—	—	—	—	2	2
15	E1496	Washer, push rod cover lower seal	2	2	2	2	2	2
16	E3547	Washer, push rod cover upper seal	2	2	2	2	2	2
<b>OVERHEAD ROCKER GEAR</b>								
17	E1461T	Box, inlet rocker	1	1	1	1	—	—
18	E3550	Box, inlet rocker	—	—	—	—	1	1
19	E1462T	Box, exhaust rocker	1	1	1	1	—	—
20	E3551	Box, exhaust rocker	—	—	—	—	1	1
21	E1650	Gasket, rocker box joint	4	4	4	4	—	—
22	E3552	Gasket, rocker box joint	—	—	—	—	2	2
23	E1540	Stud, rocker box to cylinder head $\frac{3}{8}$ " O/A	4	4	—	—	—	—
24	E2980	Stud, rocker box to cylinder head $\frac{3}{8}$ " O/A	—	—	4	4	6	6
25	F879	Nut, rocker box to cylinder head	4	4	4	4	6	6
26	E3302	Washer, rocker box to cylinder head nut	—	—	4	4	6	6
27	E1564	Cap, rocker box inspection	4	4	4	4	4	4
28	E1577	Washer, rocker box inspection cap	4	4	4	4	4	4
29	E1545	Bolt, rocker box to cylinder head 2" U/H	4	4	—	—	4	4
30	E2982	Bolt, rocker box to cylinder head 2 $\frac{1}{2}$ " U/H	—	—	4	4	—	—
31	S25-13	Washer, rocker box to cylinder head	4	4	4	4	4	4
32	E1457	Rocker, valve R.H.	2	2	2	2	2	2
33	E1458	Rocker, valve L.H.	2	2	2	2	2	2
34	E1483	Ball pin, valve rocker	4	4	4	4	4	4
35	E1513	Adjusting pin, valve rocker	4	4	4	4	4	4
36	E470	Locknut, adjusting pin	4	4	4	4	4	4

\* See Page 18

## ENGINE — GROUP 2 GASKET SET — GROUP 3

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E1300	Washer, valve rocker thrust $\frac{3}{8}$ " ... ..	2	2	2	2	2	2
2	E1575	Washer, valve rocker thrust $\frac{1}{2}$ " ... ..	6	6	6	6	6	6
3	E1574	Washer, valve rocker spring ... ..	4	4	4	4	4	4
4	E1512	Spindle, valve rocker ... ..	2	2	2	2	2	2
5	E3253	Sealing ring, rocker spindle (rubber) ... ..	2	2	2	2	2	2
6	E1435	Nut, valve rocker spindle (dome) ... ..	2	2	2	2	2	2
7	E1335	Washer, valve rocker spindle (copper) ... ..	4	4	4	4	4	4

### ROCKER OIL FEED AND DRAIN PIPES

8	E3082	Pipe, rocker oil feed ... ..	1	1	1	1	1	1
9	E3383	Connection feed pipe (rubber) ... ..	1	1	1	1	1	1
10	GS272	Pipe, rocker oil drain inlet ... ..	1	1	1	1	—	—
11	GS273	Pipe, rocker oil drain exhaust ... ..	1	1	1	1	—	—
12	E1601	Adaptor, drain pipe to cylinder head ... ..	4	4	—	—	—	—
13	E2767	Adaptor, drain pipe to cylinder head ... ..	—	—	4	4	—	—
14	E1335	Washer, drain pipe to cylinder head ... ..	8	8	8	8	—	—
15	E984	Adaptor, drain pipe to cover tube ... ..	2	2	2	2	—	—
16	F1880	Washer, drain pipe to cover tube ... ..	4	4	4	4	—	—

### ENGINE SPROCKET

17	E3108/19	Sprocket, engine 19T sidecar ... ..	1	—	—	1	—	—
18	E3108/22	Sprocket, engine 22T solo ... ..	1	—	—	1	—	—
19	E3108/21	Sprocket, engine 21T sidecar ... ..	—	1	—	—	1	1
20	E3108/24	Sprocket, engine 24T solo ... ..	—	1	—	—	1	1
21	E3108/21	Sprocket, engine 21T solo ... ..	—	—	1	—	—	—
22	E3108/17	Sprocket, engine 17T ... ..	—	—	—	—	—	—
23	E3108/18	Sprocket, engine 18T ... ..	—	—	—	—	—	—
24	E3108/20	Sprocket, engine 20T ... ..	—	—	—	—	—	—
25	E3108/23	Sprocket, engine 23T ... ..	—	—	—	—	—	—
26	E3108/25	Sprocket, engine 25T ... ..	—	—	—	—	—	—
27	E3115	Key, Rotor ... ..	1	1	1	1	1	1
28	E3435	Nut, sprocket and rotor ... ..	1	1	—	—	—	—
29	E3120	Nut, engine sprocket ... ..	—	—	1	1	1	1
30	E3384	Distance Piece, D/5 crankshaft... ..	—	—	1	1	1	1
31	E3116	Clamping washer, sprocket and rotor ... ..	1	1	—	—	—	—
32	E3119	Tab washer, engine sprocket nut ... ..	—	—	1	1	1	1

For 5T and 6T Alternator and locking washer see Page 104.

### GASKET SET—GROUP 3

33	GS/5T/56	Gasket set ... ..	1	—	—	—	—	—
34	GS/6T/56	Gasket set ... ..	—	1	—	—	—	—
35	GS/T100/56	Gasket set ... ..	—	—	1	1	—	—
36	GS/T110/56	Gasket set ... ..	—	—	—	—	1	1

## GROUP 4 — GEARBOX

REF. No. PART No. DESCRIPTION 5T 6T TR5 T100 T110 TR6

### GEARBOX—GROUP 4

1	T1328	Gearbox complete less clutch—standard ratio	1	1	—	1	1	—
2	T1331	Gearbox complete less clutch—standard ratio	—	—	1	—	—	1
3	T1329	Gearbox complete less clutch—close ratio ...	A	A	—	A	A	—
4	T1332	Gearbox complete less clutch—close ratio ...	—	—	A	—	—	A
5	T1330	Gearbox complete less clutch—wide ratio ...	A	A	—	A	A	—
6	T1333	Gearbox complete less clutch—wide ratio ...	—	—	A	—	—	A

### GEARBOX CASING

7	T1201	Casing, with bushes, gearbox ...	1	1	1	1	1	1
8	T989	Dowel, casing to inner cover ...	2	2	2	2	2	2
9	E698	Stud, casing to outer cover 2 $\frac{1}{8}$ " O/A ...	2	2	2	2	2	2
10	SI-51	Nut, casing stud ...	2	2	2	2	2	2
11	S25-3	Washer, casing stud ...	2	2	2	2	2	2
12	T935	Cover, with bushes, gearbox outer ...	1	1	1	1	1	1
13	E3442	Screw, outer cover to casing (long) ... 3" U;H	1	1	1	1	1	1
14	E3438	Screw, outer cover to casing ... 2 $\frac{3}{8}$ " U;H	1	1	1	1	1	1
15	E3437	Screw, outer cover to inner cover ... $\frac{11}{16}$ " U;H	2	2	2	2	2	2
16	E3439	Screw, outer cover to inner cover (long) 1 $\frac{3}{16}$ " U;H	1	1	1	1	1	1
17	T1217	Cover with bushes, gearbox inner ...	1	1	1	1	1	1
18	T323A	Stud, inner cover to outer cover ... 1 $\frac{1}{8}$ " O/A	1	1	1	1	1	1
19	SI-51	Nut, inner cover to outer cover stud ...	1	1	1	1	1	1
20	S25-3	Washer, inner cover to outer cover stud ...	1	1	1	1	1	1
21	E3436	Screw, inner cover to casing (long) ... 1 $\frac{1}{2}$ " U;H	1	1	1	1	1	1
22	E3437	Screw, inner cover to casing ... $\frac{11}{16}$ " U;H	3	3	3	3	3	3
23	T45	Stop, kickstarter quadrant ...	1	1	1	1	1	1
24	E1564	Cap, gearbox oil filler ...	1	1	1	1	1	1
25	E1577	Washer, gear box oil filler joint ...	1	1	1	1	1	1
26	S46-15	Plug, gearbox drain and cover level ...	2	2	2	2	2	2
27	PT104B	Washer, gearbox drain and cover level ...	2	2	2	2	2	2

### GEARBOX FITTINGS

28	F3769	Stud, gearbox clamp 4 $\frac{1}{8}$ " O/A ...	1	1	1	1	1	1
29	F3770	Washer, T.S. gearbox clamp stud ...	1	1	1	1	1	1
30	F3771	Nut, D.S. gearbox clamp stud ...	1	1	1	1	1	1
31	F3772	Nut, T.S. gearbox clamp stud ...	1	1	1	1	1	1

## GEARBOX — GROUP 4

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>GEARBOX FITTINGS—continued</b>								
1	F3575	Bolt, gearbox pivot 7° U/H ... ..	1	1	1	1	1	1
2	DS47	Nut, gearbox pivot bolt ... ..	1	1	1	1	1	1
3	PCW73A	Washer, gearbox pivot bolt ... ..	1	1	1	1	1	1
4	F3768	Eyebolt, gearbox adjuster ... ..	1	1	1	1	1	1
5	GS203	Washer, eyebolt nut ... ..	2	2	2	2	2	2
6	SI-51	Nut, gearbox eyebolt ... ..	2	2	2	2	2	2
7	F3767	Pivot pin, gearbox adjuster ... ..	1	1	1	1	1	1
8	S26-1	Washer, pivot pin ... ..	1	1	1	1	1	1
9	PO172A	Nut, pivot pin ... ..	1	1	1	1	1	1

### SHAFTS AND GEARS (STANDARD RATIO)

(See page 43 for wide and close ratio gears)

10	T914	Mainshaft and low gear (16T) ... ..	1	1	1	1	1	1
11	PT108B	Bush, mainshaft for clutch rod ... ..	1	1	1	1	1	1
12	S66-1	Woodruff key No. 6 ... ..	1	1	1	1	1	1
13	T1047	Nut, clutch to mainshaft ... ..	1	1	1	1	1	1
14	T1045	Washer, clutch to mainshaft, plain ... ..	1	1	1	1	1	1
15	T1046	Washer, clutch to mainshaft, lock ... ..	1	1	1	1	1	1
16	T918	Gear, mainshaft high (26T) ... ..	1	1	1	1	1	1
17	T920	Bush, mainshaft high gear ... ..	1	1	1	1	1	1
18	T917	Gear, mainshaft 3rd (24T) ... ..	1	1	1	1	1	1
19	T916	Gear, mainshaft 2nd (20T) ... ..	1	1	1	1	1	1
20	T1063	Layshaft c/w high gear (20T) and speedometer gear ... ..	1	1	1	1	1	1
21	T930	Gear, layshaft 3rd (22T) ... ..	1	1	1	1	1	1
22	T1065	Gear, layshaft 2nd (26T) ... ..	1	1	1	1	1	1
23	T926	Gear, layshaft low (30T) ... ..	1	1	1	1	1	1
24	T928	Bush, layshaft low gear ... ..	1	1	1	1	1	1

For speedometer drive gears see page 108.

### GEARBOX CASING BEARINGS

25	T448 <i>N1443</i>	Bearing, high gear ... ..	1	1	1	1	1	1
26	T946	Oil seal, high gear bearing ... ..	1	1	1	1	1	1
27	E489	Circlip, high gear bearing retaining ... ..	1	1	1	1	1	1
28	S35-7 <i>LS8</i>	Bearing, mainshaft ... ..	1	1	1	1	1	1
29	T280	Circlip, mainshaft bearing ... ..	1	1	1	1	1	1
30	T1367	Bush, layshaft casing and inner cover ... ..	2	2	2	2	2	2
31	T912	Peg, layshaft bush ... ..	2	2	2	2	2	2
32	T981	Disc, layshaft bush ... ..	1	1	1	1	1	1

# GEARBOX

GROUP 4 - GEARBOX

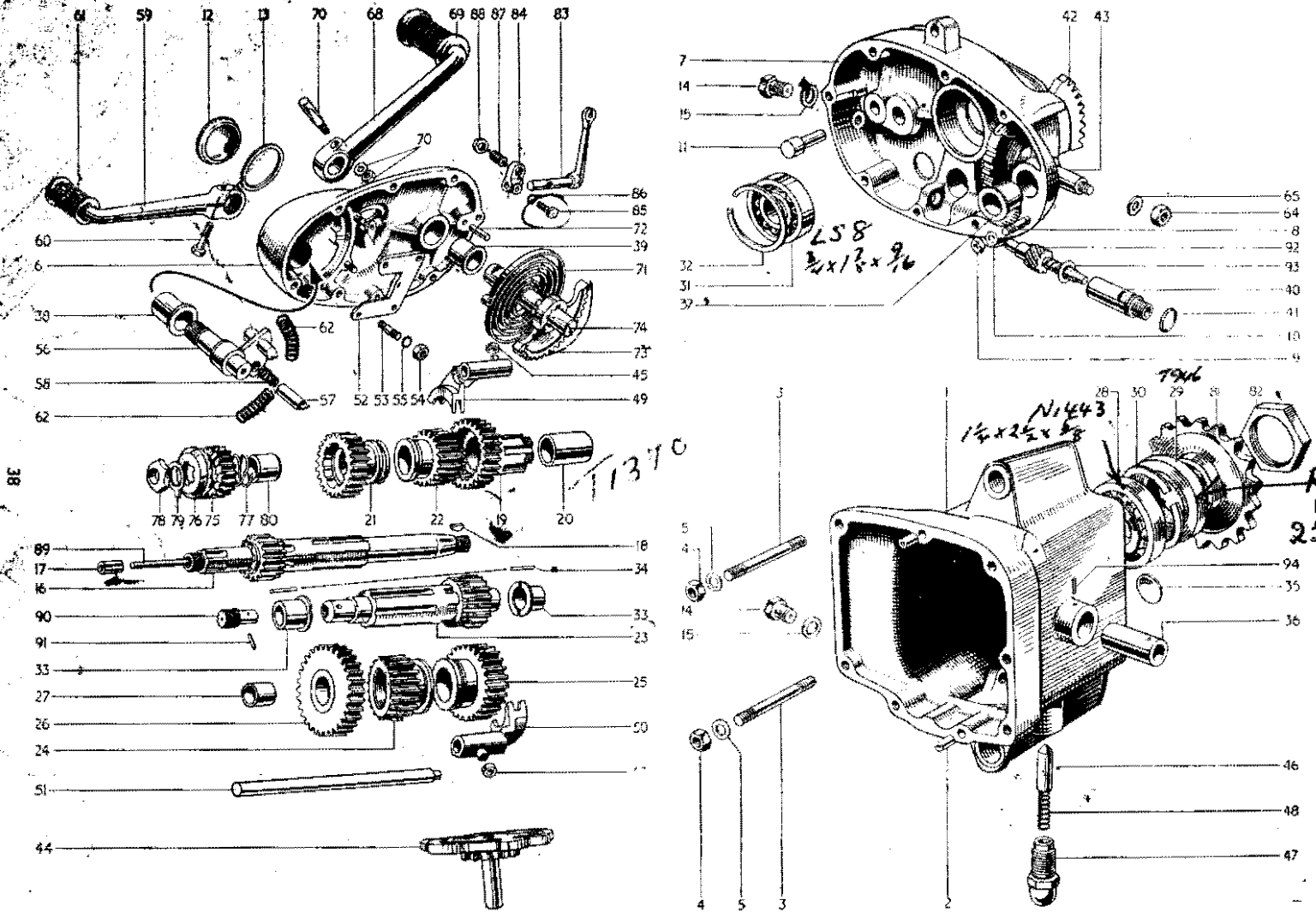


FIG. 10

INDEX FIG. 10

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1201	36	7	32	T280	37	29	64	T224	40	30
2	T989	36	8	33	T1367	37	30	65	S25-3	40	31
3	E698	36	9	34	T912	37	31	68	T451	40	32
4	S1-51	36	10	35	T981	37	32		T1270	40	33
5	S25-3	36	11	36	T341	40	1	69	F1814	40	39
6	T935	36	12	37	T412	40	3	70	S52-1	41	1
7	T1217	36	17	38	T57	40	4		T1222	41	2
8	T323A	36	18	39	T23	40	5	71	T31	41	3
9	S1-51	36	19	40	T933	40	6	72	T47	41	4
10	S25-3	36	20	41	T948	40	7	73	T25A	41	5
11	T45	36	23	42	T397	40	8	74	T24A	41	6
12	E1564	36	24	43	T399	40	9	75	T730	41	7
13	E1577	36	25	44	T500	40	10	76	T731	41	8
14	546-15	36	26	45	NT261	40	11	77	T1250	41	10
15	PT104B	36	27	46	T44	40	12	78	NT297	41	11
16	T914	37	10	47	T372	40	13	79	T732	41	12
17	PT108B	37	11	48	T373	40	14	80	T1338	41	9
18	S66-1	37	12	49	T260B	40	15	81	T471A	41	13
19	T918	37	16	50	T913	40	16	82	T440	41	14
20	T920	37	17	51	T291	40	17	83	T487	42	1
21	T917	37	18	52	T407	40	18	84	T402	42	3
22	T916	37	19	53	T454	40	19	85	T401	42	4
23	T1063	37	20	54	F879	40	20	86	E2312	42	5
24	T930	37	21	55	E2312	40	21	87	T413	42	6
25	T1065	37	22	56	T408/9	40	22	88	T453	42	7
26	T926	37	23	57	T406	40	23	89	T455	42	8
27	T928	37	24	58	T405	40	24		T455B	42	9
28	T448	37	25	59	T1194	40	25	90	T924	108	1
29	T946	37	26	60	VV932	40	27	91	T925	108	3
30	E489	37	27	61	T449	40	28	92	T934	108	4
31	S35-7	37	28	62	T404	40	29	93	T825	108	6

GEARBOX — GROUP 4

## GROUP 4 — GEARBOX

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	T341	Bush, gear selector camplate ... ..	1	1	1	1	1	1
2	E3449	Peg, gear selector camplate bush ... ..	1	1	1	1	1	1
3	T412	Bush, footchange spindle inner ... ..	1	1	1	1	1	1
4	T57	Bush, footchange spindle outer ... ..	1	1	1	1	1	1
5	T23	Bush, kickstarter outer ... ..	1	1	1	1	1	1
6	T933	Bush, speedo gear inner cover ... ..	1	1	1	1	1	1
7	T948	Washer, speedo gear inner cover sealing ... ..	1	1	1	1	1	1

### GEAR CONTROL (SELECTOR MECHANISM)

8	T397	Quadrant, gear operating ... ..	1	1	1	1	1	1
9	T399	Spindle, gear operating quadrant ... ..	1	1	1	1	1	1
		Split pin $1\frac{1}{2} \times \frac{3}{8}$ " dia. ... ..	1	1	1	1	1	1
10	T500	Camplate, gear control ... ..	1	1	1	1	1	1
11	NT261	Roller, gear control camplate ... ..	2	2	2	2	2	2
12	T44	Plunger, gear control camplate ... ..	1	1	1	1	1	1
13	T372	Bush, gear control camplate plunger ... ..	1	1	1	1	1	1
14	T373	Spring, gear control camplate plunger ... ..	1	1	1	1	1	1
15	T260B	Fork, gear selector layshaft ... ..	1	1	1	1	1	1
16	T913	Fork, gear selector layshaft ... ..	1	1	1	1	1	1
17	T291	Rod, gear selector fork ... ..	1	1	1	1	1	1

### GEAR CONTROL (ENCLOSED FOOTCHANGE)

18	T407	Plate, footchange guide ... ..	1	1	1	1	1	1
19	T454	Stud, footchange guide plate $\frac{7}{8}$ " O/A ... ..	4	4	4	4	4	4
20	F879	Nut, footchange guide plate stud ... ..	4	4	4	4	4	4
21	E2312	Washer, footchange guide plate stud ... ..	4	4	4	4	4	4
22	T408/9	Plunger assembly, gear quadrant ... ..	1	1	1	1	1	1
23	T406	Plunger, gear quadrant ... ..	2	2	2	2	2	2
24	T405	Spring, gear quadrant plunger ... ..	2	2	2	2	2	2
25	T1194	Pedal, footchange ... ..	1	1	1	1	1	1
26	T997	Pedal, footchange (Heel and Toe) (Alternative equipment) ... ..	A	A	A	A	A	A
27	W932	Set screw, footchange pedal $1\frac{1}{2}$ " U/H ... ..	1	1	1	1	1	1
28	T449	Rubber, footchange pedal ... ..	1	1	1	1	1	1
29	T404	Spring, footchange pedal return ... ..	2	2	2	2	2	2
30	T224	Nut, gear quadrant spindle ... ..	1	1	1	1	1	1
31	S25-3	Washer, gear quadrant spindle ... ..	1	1	1	1	1	1

### KICKSTARTER

32	T451	Crank, kickstarter (rigid) ... ..	1	1	—	1	1	—
33	*T1270	Crank, kickstarter (folding) complete ... ..	A	A	1	A	A	1
34	T1271	Lever, kickstarter ... ..	A	A	1	A	A	1
35	T1272	Pedal, kickstarter ... ..	A	A	1	A	A	1
36	T1273	Bolt, lever to pedal $1.155$ " U/H ... ..	A	A	1	A	A	1
37	S70-3	Ball, pedal locating ... ..	A	A	1	A	A	1
38	T1167	Spring, pedal locating ball ... ..	A	A	1	A	A	1
39	F1814	Rubber, kickstarter pedal ... ..	1	1	1	1	1	1

\* Fitted to T100 and T110 machines for export to U.S.A.



## GEARBOX — GROUP 4

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	552-1	Cotter pin c/w nut and washer ... ..					—	—
2	T1222	Cotter pin c/w nut and washer ... ..	—	—	—	—		
3	T31	Spring, k/s crank return ... ..						
4	T47	Peg, k/s anchor ... ..						
5	T25A	Quadrant, kickstarter ... ..						
6	T24A	Shaft, kickstarter axle ... ..						
7	T730	Pinion, kickstarter ... ..						
8	T731	Ratchet, kickstarter ... ..						
9	T1338	Sleeve, kickstarter pinion ... ..						
10	T1250	Spring, kickstarter pinion ... ..						
11	NT297	Nut, kickstarter ratchet ... ..						
12	T732	Washer, kickstarter lock ... ..						

### GEARBOX SPROCKET

13	T471A	Sprocket, gearbox ... ..						
14	T440	Nut, gearbox sprocket locking ... ..						

### CLUTCH AND SHOCK ABSORBER

15	T1360	Clutch assembly ... ..		—	—	—	—	—
16	T1361	Clutch assembly ... ..	—					
17	T940	Housing clutch sprocket ... ..		—	—	—	—	—
18	T985	Housing clutch sprocket ... ..	—					
19	T1037	Centre clutch ... ..		—	—	—	—	—
20	T1038	Centre clutch ... ..	—					
21	T1039	Plate, inner retaining shock absorber ... ..						
22	T1040	Screw, inner retaining shock absorber 0.417" U/H ... ..	4	4	4	4	4	4
23	T1041	Spider, clutch shock absorber ... ..						
24	T1185	Rubber insert, clutch shock absorber (drive)	4	4	4	4	4	4
25	T1043	Rubber insert, clutch shock absorber (rebound)	4	4	4	4	4	4
26	T1044	Plate, outer retaining shock absorber ... ..						
27	T1040	Screw, outer retaining shock absorber 0.417" U/H ... ..	4	4	4	4	4	4
28	T418	Hub, clutch ... ..						
29	T394	Roller, clutch housing to hub ... ..	20	20	20	20	20	20
30	T1362	Plate, clutch driven (bonded) ... ..	4	5	5	5	5	5
31	T1363	Plate, clutch driven (plain) ... ..	5	6	6	6	6	6
32	T429	Spring, clutch pressure ... ..	4	—	—	—	—	—
33	T999	Spring, clutch pressure ... ..	—	4	4	4	4	4
34	T423	Pin, clutch pressure spring 1 1/8" U/H ... ..	4	—	—	—	—	—
35	T423A	Pin, clutch pressure spring 1 1/8" U/H ... ..	—	4	4	4	4	4
36	T427	Nut, clutch pressure spring pin ... ..	4	4	4	4	4	4
37	T425	Cup, clutch pressure spring ... ..	4	—	—	—	—	—
38	T998	Cup, clutch pressure spring ... ..	—	4	4	4	4	4
49	T986	Plate, clutch pressure c/w button ... ..						
40	T422	Button, clutch pressure plate ... ..						







## EXHAUST SYSTEM — GROUP 8

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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### EXHAUST SYSTEM—GROUP 8

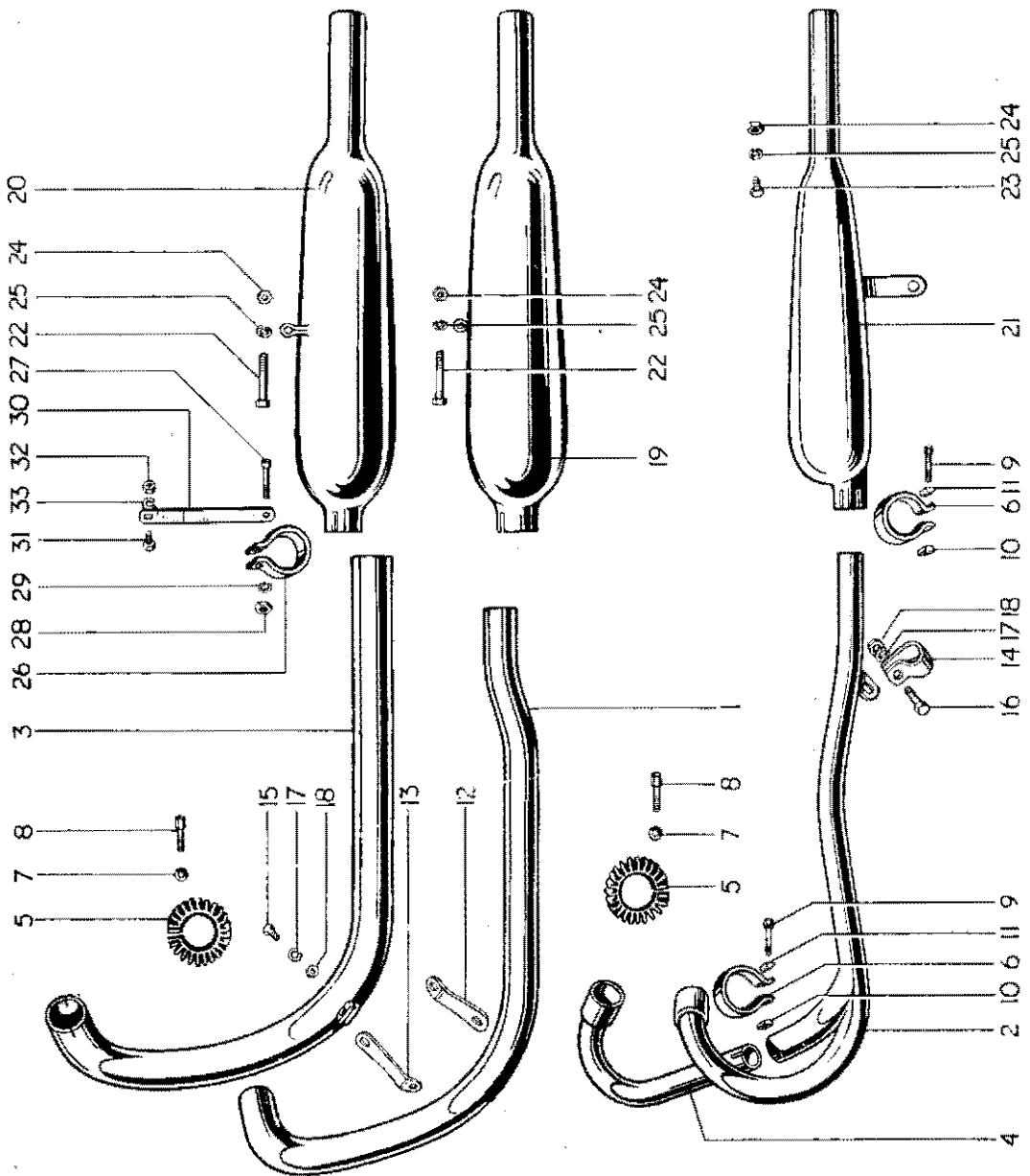
#### EXHAUST PIPES

1	E3426	Pipe, exhaust L.H.	1	1	—	—	—	—
2	E3462	Pipe, exhaust L.H.	—	—	1	—	—	—
3	E3346	Pipe, exhaust L.H.	—	—	—	1	—	—
4	E3347	Pipe, exhaust L.H.	—	—	—	—	1	—
5	E3472	Pipe, exhaust L.H.	—	—	—	—	—	1
6	E3350	Pipe, exhaust R.H.	1	1	—	—	1	—
7	E3463	Pipe, exhaust R.H.	—	—	1	—	—	—
8	E3349	Pipe, exhaust R.H.	—	—	—	1	—	—
9	E3473	Pipe, exhaust R.H.	—	—	—	—	—	1
10	E1269	Clip, exhaust to cylinder head	2	2	2	2	2	2
11	E3469	Clip, exhaust to extension pipe	—	—	1	—	—	1
12	E409	Bolt, exhaust clip $1\frac{1}{8}$ " U/H	2	2	2	2	2	2
13	E410A	Washer, exhaust clip bolt	2	2	2	2	2	2
14	TE164E	Bolt, exhaust clip $1\frac{3}{8}$ " U/H	—	—	1	—	—	1
15	TE164C	Nut, exhaust clip bolt (D shape)	—	—	1	—	—	1
16	TE164D	Washer, exhaust clip bolt (D shape)	—	—	1	—	—	1
17	E2989	Bracket, exhaust pipe to engine plate (L.H.)	1	1	—	1	1	—
18	E2990	Bracket, exhaust pipe to engine plate (R.H.)	1	1	—	1	1	—
19	D557	Bolt, exhaust pipe to bracket $\frac{7}{8}$ " U/H	2	2	—	2	2	—
20	S26-2	Washer, exhaust pipe to bracket bolt	2	2	1	2	2	1
21	F879	Nut, exhaust pipe to bracket bolt	2	2	1	2	2	1
22	F1369	Bolt, exhaust pipe clip $\frac{5}{8}$ " U/H	—	—	1	—	—	1
23	F1699	Clip, pipe to backstay	—	—	1	—	—	1

#### SILENCER

24	E3323	Silencer, L.H.	1	1	—	1	1	—
25	E3324	Silencer, R.H.	1	1	—	1	1	—
26	E3470	Silencer	—	—	1	—	—	1
27	F3805	Bolt, silencer hanger $1\frac{1}{8}$ " U/H	2	2	—	2	2	—
28	F1213	Bolt, silencer hanger $\frac{7}{8}$ " U/H	—	—	1	—	—	1
29	S1-51	Nut, silencer hanger bolt	2	2	1	2	2	1
30	S25-3	Washer, silencer hanger bolt nut	2	2	1	2	2	1
31	E3428	Clip, silencer to exhaust pipe	2	2	—	2	2	—
32	E3469	Clip, silencer to exhaust pipe	—	—	1	—	—	1
33	TE164E	Bolt, silencer to exhaust pipe clip $1\frac{1}{8}$ " U/H	—	—	1	—	—	1
34	TE164C	Nut, silencer to exhaust pipe clip	—	—	1	—	—	1
35	TE164D	Washer, silencer to exhaust pipe clip	—	—	1	—	—	1
36	F1369	Bolt, silencer to exhaust pipe clip $\frac{5}{8}$ " U/H	2	2	—	2	2	—
37	S26-2	Washer, clip bolt nut	2	2	—	2	2	—
38	F879	Nut, clip bolt	2	2	—	2	2	—
39	F3861	Stay, clip bolt to frame	2	2	—	2	2	—

**GROUP 8 — EXHAUST SYSTEM**



**FIG. 12. EXHAUST PIPES AND SILENCERS**

## EXHAUST SYSTEM — GROUP 8

REF. No.	PART No.	DESCRIPTION	ST	6T	TR5	T100	T110	TR6
1	F3641	Stud, stay to frame $\frac{3}{8}$ " O.A. ... ..	1	1	—	1	1	—
2	S26-3	Washer, fixing nut ... ..	1	1	—	1	1	—
3	S1-51	Nut, stay stud ... ..	1	1	—	1	1	—

### INDEX FIG. 12

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3426	45	1	15	DS57	45	19
	E3346	45	3	16	F1369	45	22
	E3347	45	4	17	S26-2	45	20
2	E3462	45	2	18	F879	45	21
	E3472	45	5	19	E3323	45	25
3	E3349	45	8	20	E3324	45	26
	E3350	45	6	21	E3470	45	27
4	E3463	45	7	22	F3805	45	28
	E3473	45	9	23	F1213	45	29
5	E1269	45	10	24	S1-51	45	30
6	E3469	45	11	25	S25-3	45	31
7	E410A	45	13	26	E3428	45	32
8	E409	45	12	27	F1369	45	37
9	TE164E	45	14	28	S26-2	45	38
10	TE164C	45	15	29	F879	45	39
11	TE164D	45	16	30	F3861	45	40
12	E2989	45	17	31	F3641	47	1
13	E2990	45	18	32	S1-51	47	3
14	F1699	45	23	33	S26-3	47	2

GROUP 9 - FRAME

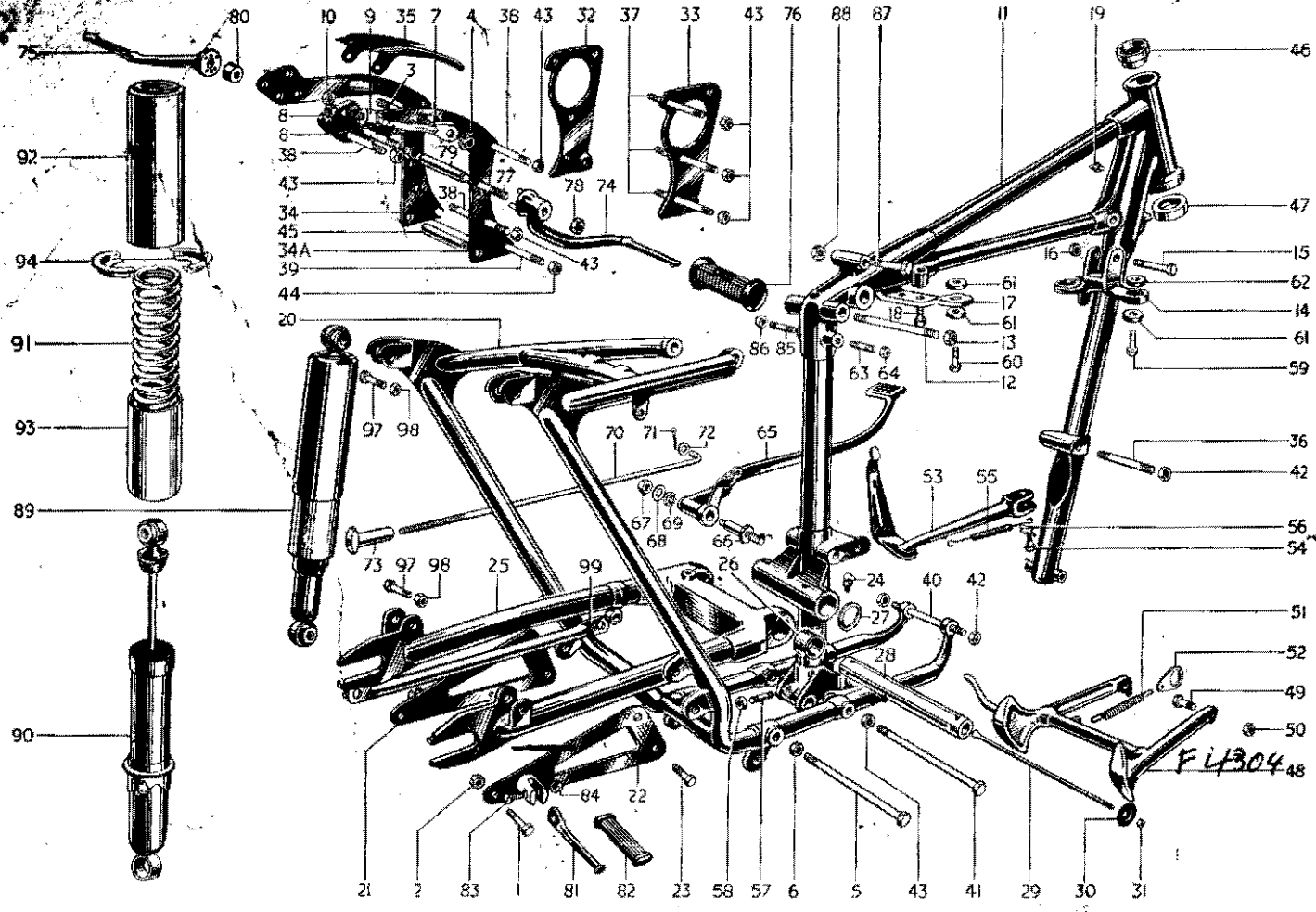


FIG. 13. FRAME



INDEX FIG. 13

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3805	45	27		F2647	52	3	66	F867	83	2
2	S1-51	45	29	33	E2223	52	4	67	S1-52	83	5
3	F3769	36	28	34	F3760	52	5	68	S25-2	83	6
4	F3772	36	31	34A	F3541	52	6	69	S26-16	83	7
5	F3575	37	1	35	F3571	53	2	70	F3597	83	8
6	DS47	37	2	36	F2414	53	3	71	Split Pin	83	9
7	F3768	37	4	37	F1711	53	4	72	S25-13	83	10
8	S1-51	37	6	38	F839	53	5	73	F3667	83	12
9	F3767	37	7	39	F3665	53	6	74	F3593	83	13
10	PO172A	37	9	40	F1680	53	7	75	F987	83	14
11	F3904	50	1	41	F3108	53	8	76	NF704	83	15
12	F1561	50	21	42	D547	53	9	77	F3592	83	16
13	PO172A	50	22	43	PO172A	53	10	78	DS48	83	17
14	F1841	50	6	44	S1-52	53	11	79	F862	83	19
	F3900	50	7	45	F862	53	14	80	T87	83	20
15	F1451	50	8	46	H111	58	27	81	F1694	83	21
16	S1-52	50	9	47	H111	58	27	82	F1695	83	22
17	F4031	50	10	48	F4324 F3730	51	19	83	F2271	83	23
18	F3816	50	14	49	F3619	51	20	84	S1-51	83	24
19	NW100	50	24	50	F2725	51	21	85	F3641	84	11
20	F3635	50	25	51	F3617	51	22	86	F1008	84	12
21	F3718	50	26	52	F3618	51	23	87	E2593	107	3
22	F3580	50	27	53	F3723	51	24		F3006	107	4
23	F2603	50	28	54	F3097	51	25	88	S1-51	107	6
24	KW194	50	32	55	F2610	51	26	89	See page 108		
25	F3778	51	1	56	F3096	51	27	90	See page 108		
26	F3690	51	2	57	F3641	47	1	91	See page 108		
27	F3574	51	3	58	S1-51	47	3	92	9054/46	108	23
28	F3564	51	4	59	F1808	73	13	93	9054/47	108	24
29	F3797	51	5	60	F966	73	14	94	9054/43	108	25
30	F3798	51	6	61	F967	73	15	97	E2113	108	28
31	F3799	51	7	62	F1813	73	16	98	PO172A	108	30
32	F2646	52	1	63	F3641	74	11	99	F3774	51	8
	E2222	52	2	64	F1008	74	12				
				65	F3595	83	1				

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FRAME - GROUP 9



**FRAME - GROUP 9  
STAND - GROUP 10**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>SWINGING FORK</b>								
1	F3778	Swinging fork assy. c/w bushes	1	1	1	1	1	1
2	F3690	Bush, fork lug	2	2	2	2	2	2
3	F3574	Spacing Washer, R.H.	1	1	1	1	1	1
4	F3564	Spindle, S,Fork	1	1	1	1	1	1
5	F3797	Rod, cap retaining	1	1	1	1	1	1
6	F3798	Cap, spindle retaining	2	2	2	2	2	2
7	F3799	Nut, cap retaining	1	1	1	1	1	1
8	F3774	Stay, rear brake torque	1	1	1	1	1	1
9	F3780	Bolt, stay to fork $1\frac{1}{8}$ " U.H	1	1	1	1	1	1
10	DS47	Nut, stay bolt	1	1	1	1	1	1
11	PCW73A	Washer, stay bolt nut	1	1	1	1	1	1

**STAND - GROUP 10**

**FRONT STAND**

12	H412	Front stand	1	1	1	1	1	1
13	DS55	Bolt, front guard to stand $\frac{3}{8}$ " U.H	1	1	1	1	1	1
14	SI-51	Nut, front guard to stand bolt...	1	1	1	1	1	1
15	NS362	Nut, front stand to guard spigot	1	1	1	1	1	1
16	H424	Screw, front stand to fork pivot $\frac{3}{8}$ " U.H	2	2	2	2	2	2
17	S25-3	Washer, pivot screw plain	2	2	2	2	2	2
18	H425	Washer, pivot screw spring	2	2	2	2	2	2

**CENTRE STAND**

19	F3730	Centre stand	1	1	1	1	1	1
20	F3619	Pivot bolt, stand to frame $1\frac{1}{8}$ " U.H	2	2	2	2	2	2
21	F2725	Nut, stand to frame bolt	2	2	2	2	2	2
22	F3617	Spring, centre stand	1	1	1	1	1	1
23	F3618	Connecting link, stand spring	1	1	1	1	1	1

**PROP STAND**

24	F3723	Prop stand	1	1	1	1	1	1
25	F3097	Swivel pin, prop stand $1\frac{1}{2}$ " U.H	1	1	1	1	1	1
26	F2610	Spring, tension	1	1	1	1	1	1
27	F3096	Lock washer, swivel pin	1	1	1	1	1	1



## ENGINE PLATE – GROUP 11 TELESCOPIC FRONT FORK – GROUP 12

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E2275	Cover, engine plate front ... ..	1	1	1	1	1	1
2	F3571	Cover, engine plate rear ... ..	1	1	1	1	1	1
3	F2414	Stud, $\frac{7}{16}$ " $\times$ $4\frac{1}{8}$ " C.E.I. ... ..	1	1	1	1	1	1
4	F1711	Stud, $\frac{3}{8}$ " $\times$ $4\frac{1}{16}$ " C.E.I. ... ..	3	3	3	3	3	3
5	F839	Stud, $\frac{3}{8}$ " $\times$ $4\frac{7}{16}$ " C.E.I. ... ..	4	4	4	4	4	4
5	F3665	Stud, $\frac{3}{8}$ " $\times$ $4\frac{1}{4}$ " C.E.I. ... ..	1	1	1	1	1	1
7	F1680	Stud, $\frac{7}{16}$ " $\times$ $4\frac{3}{8}$ " C.E.I. ... ..	1	1	1	1	1	1
8	F3108	Bolt, rear engine plate to frame $7\frac{3}{32}$ " U/H	1	1	1	1	1	1
9	DS47	Nut, for F2414, F1680 Studs ... ..	4	4	4	4	4	4
10	PO172A	Nut, for F1023, F1711, F839 Studs and F3108 bolt	15	15	15	15	15	15
11	SI-52	Nut, for F3665 Stud ... ..	2	2	2	2	2	2
12	PCW73A	Washer, for F2414, F1680 Studs ... ..	4	4	4	4	4	4
13	S26-1	Washer, for F1711, F839 Studs and F3108 bolt	17	17	17	17	17	17
14	F862	Distance tube for F3108 bolt ... ..	1	1	1	1	1	1

### FRONT FORK—GROUP 12

15	H994	Fork assembly ... ..	1	—	—	—	—	—
16	H995	Fork assembly ... ..	—	—	—	1	1	—
17	H996	Fork assembly ... ..	—	1	—	—	—	—
18	H956	Fork assembly ... ..	—	—	1	—	—	1
19	H663A	Lug, fork head top ... ..	1	1	—	1	1	—
20	H380	Lug, fork head top c/w clips ... ..	—	—	1	—	—	1
21	F1760	Bolt, fork head top lug pinch $1\frac{1}{16}$ " U/H ...	1	1	1	1	1	1
22	H379	Nut, fork head top bolt ... ..	1	1	1	1	1	1
23	H660	"U" bolt, handlebar clamp ... ..	2	2	—	2	2	—
24	S25-3	Washer, handlebar clamp ... ..	4	4	—	4	4	—
25	SI-51	Nut, handlebar clamp ... ..	4	4	—	4	4	—
26	H506	Cap, handlebar clamp ... ..	—	—	2	—	—	2
27	H436	Bolt, handlebar clamp cap $\frac{7}{8}$ " U/H ...	—	—	4	—	—	4
28	H942	Crown and stem, fork ... ..	1	1	1	1	1	1
29	H405	Nut, crown and stem sleeve ... ..	1	1	1	1	1	1
30	H941	Bolt, crown and stem to stanchion $2\frac{1}{4}$ " U/H	2	2	2	2	2	2
31	E2412	Nut, crown and stem to stanchion ... ..	2	2	2	2	2	2
32	S25-2	Washer, crown and stem to stanchion ...	2	2	2	2	2	2



## TELESCOPIC FRONT FORK – GROUP 12

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	H799	Cover, nacelle L.H. ... ..	1	1	—	1	1	—
2	H800	Cover, nacelle R.H. ... ..	1	1	—	1	1	—
3	H963	Cover, top c/w headlamp bracket L.H. ... ..	—	—	1	—	—	1
4	H964	Cover, top c/w headlamp bracket R.H. ... ..	—	—	1	—	—	1
5	H962	Gaiter, rubber, telescopic ... ..	—	—	2	—	—	2
6	D340	Clip, gaiter top ... ..	—	—	2	—	—	2
7	H917	Top unit, nacelle ... ..	1	1	—	—	—	—
8	H761	Top unit, nacelle ... ..	—	—	—	1	1	—
9	A46	Transfer, Thunderbird ... ..	—	1	—	—	—	—
10	H669	Grommet, handlebar rubber ... ..	2	2	—	2	2	—
11	H689	Screw, top unit to nacelle cover 1/2" U/H ... ..	2	2	—	2	2	—
12	H691	Nut, for H689 ... ..	2	2	—	2	2	—
13	E2880	Washer, for-H691 ... ..	2	2	—	2	2	—
14	H623	Motif (flash) L.H. ... ..	1	1	—	1	1	—
15	H624	Motif (flash) R.H. ... ..	1	1	—	1	1	—
16	H688	Screw, motif front 3/8" U/H ... ..	2	2	—	2	2	—
17	H691	Nut, motif front ... ..	2	2	—	2	2	—

### INDEX FIG. 15

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H663A	53	19	32	H444	58	9
2	F1760	53	21	33	H384 (Red)	58	10
3	H379	53	22		H505 (Blue)	58	11
4	H660	53	23		H749 (Purple)	58	12
5	S1-51	53	25	34	H399A	58	15
6	H942	53	28	35	H452	58	17
7	H405	53	29	36	H543	58	18
8	H941	53	30	37	H454	58	19
9	E2412	53	32	38	F879	58	20
10	H799	55	1	39	H394	58	21
11	H800	55	2	40	H1012	58	22
12	H917	55	7	41	H397	58	23
	H761	55	8	42	H398	58	24
13	H623	55	14	43	E1335	58	26
14	H624	55	15	44	H1018	58	28
15	H620	57	3	45	H439	58	29
16	H414	57	4	47	H536	58	31
17	H415	57	5	48	H565	58	32
18	H519	57	6	49	H408	58	33
19	H430	57	7	50	H409	58	34
20	F1760	57	8	51	H413	58	35
21	H379	57	9	52	F1718	58	36
22	H390	57	10	53	S1-51	58	37
23	H391	57	11	54	H435	58	38
24	H445	57	12	55	H95	58	39
25	H431	57	13	56	H428	70	4
26	H441	58	1	57	F3098	107	36
27	H382A	58	2	58	H992	57	14
28	H519A	58	4	59	H993	57	15
29	H430	58	5	60	G-5299	57	16
30	H432A	58	6	61	F3799	57	17
31	H443	58	8				

# GROUP 12 - TELESCOPIC FRONT FORK

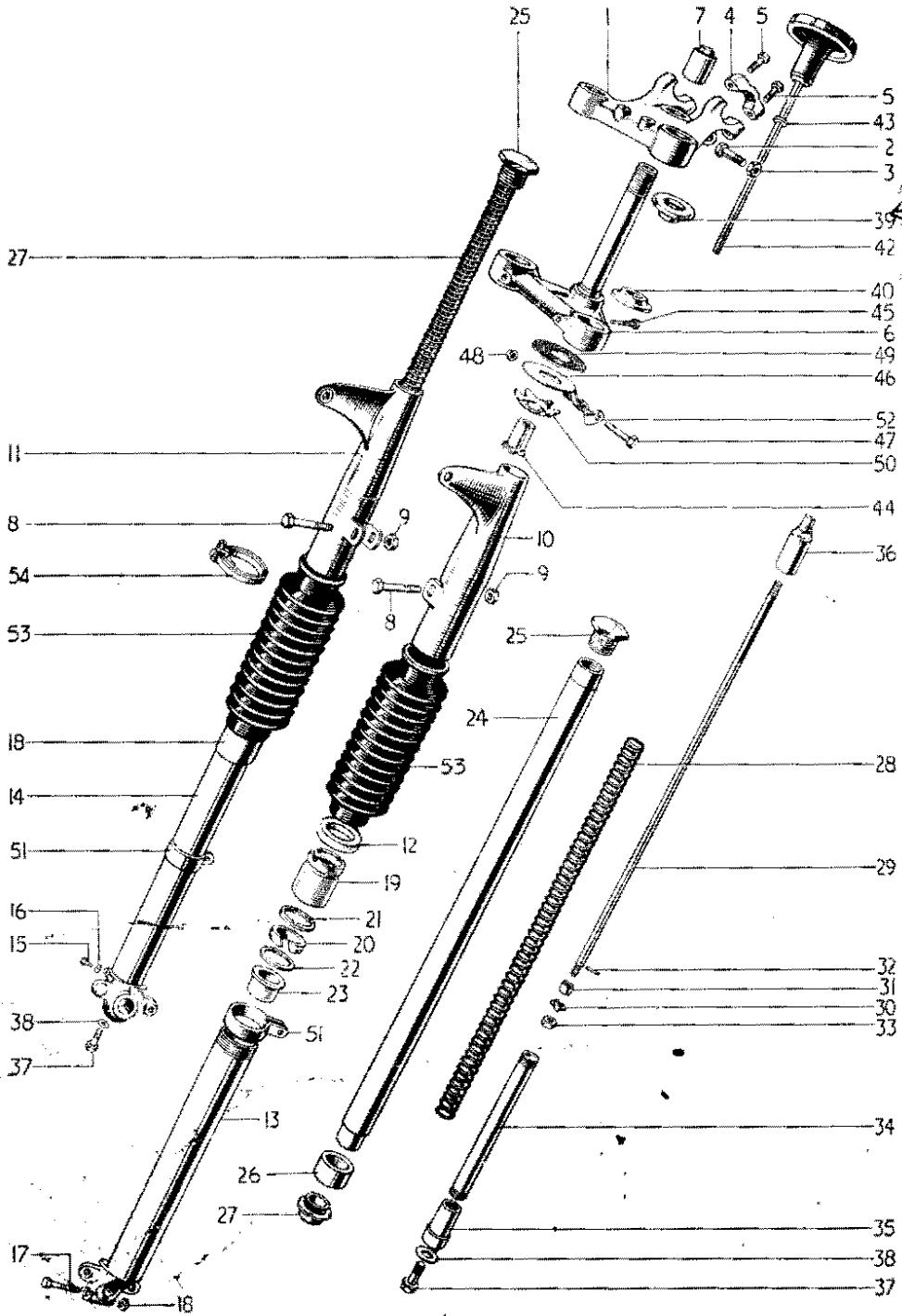


FIG. 16. TELESCOPIC FORK (TROPHY)



## TELESCOPIC FRONT FORK — GROUP 12

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E2880	Nut, motif front ... ..	2	2	—	2	2	—
2	H687	Screw, top unit to nacelle cover $\frac{3}{8}$ " U/H	2	2	—	2	2	—
3	H420	Washer, cover tube felt ... ..	2	2	2	2	2	2
4	H414	Cover, bottom tube with spindle lug L.H. ...	1	1	1	1	1	1
5	H415	Cover, bottom tube with spindle lug R.H. ...	1	1	1	1	1	1
6	H519	Plug, cover tube bottom drain $\frac{3}{8}$ " U/H ...	2	2	2	2	2	2
7	H430	Washer, cover tube bottom drain ... ..	2	2	2	2	2	2
8	F1760	Bolt, spindle lug pinch L.H. $1\frac{1}{8}$ " U/H ...	1	1	1	1	1	1
9	H379	Nut, spindle lug pinch L.H. ... ..	1	1	1	1	1	1
10	H390	Sleeve, cover tube dust excluder ... ..	2	2	2	2	2	2
11	H391	Washer, cover tube dust excluder felt ...	2	2	2	2	2	2
12	H445	Washer, inner—for H391 ... ..	2	2	2	2	2	2
13	H431	Washer, outer—for H391 ... ..	2	2	2	2	2	2
14	H992	Horn grille (replaces Pilot Lamp) ... ..	1	1	—	1	1	—
15	H993	Screw, grille fixing 0.540" U/H ... ..	2	2	—	2	2	—
16	G5299	Washer, shakeproof ... ..	2	2	—	2	2	—
17	F3799	Nut, fixing screw ... ..	2	2	—	2	2	—

### INDEX FIG. 16

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H380	53	20	28	H384	58	10
2	H1760	53	21	29	H399	58	16
3	H379	53	22	30	H452	58	17
4	H506	53	26	31	H453	58	18
5	H436	53	27	32	H454	58	19
6	H942	53	28	33	F879	58	20
7	H405	53	29	34	H394	58	21
8	H941	53	30	35	H1012	58	22
9	E2412	53	31	36	H397	58	23
10	H963	55	3	37	H398	58	25
11	H964	55	4	38	E1335	58	26
12	H420	57	3	39	H1018	58	28
13	H414	57	4	40	H439	58	29*
14	H415	57	5	42	H536	58	31
15	H519	57	6	43	H565	58	32
16	H430	57	7	44	H408	58	33
17	F1760	57	8	45	H409	58	34
18	H379	57	9	46	H413	58	35
19	H390	57	10	47	F1718	58	36
20	H391	57	11	48	S1-51	58	37
21	H445	57	12	49	H435	58	38
22	H431	57	13	50	H95	58	39
23	H441	58	1	51	H428	70	4
24	H382	58	3	52	F3098	107	36
25	H432	58	7	53	H962	55	5
26	H443	58	8	54	D340	55	6
27	H444	58	9				

## GROUP 12 — TELESCOPIC FRONT FORK

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	H441	Bearing, bottom cover tube ... ..	2	2	2	2	2	2
2	H382A	Stanchion ... ..	2	2	—	2	2	—
3	H382	Stanchion ... ..	—	—	2	—	—	2
4	H519A	Plug, stanchion oil filler $\frac{3}{8}$ " U <sub>1</sub> H	2	2	—	2	2	—
5	H430	Washer, stanchion oil filler ... ..	2	2	—	2	2	—
6	H432A	Nut, stanchion upper sleeve cap ... ..	2	2	—	2	2	—
7	H432	Nut, stanchion upper sleeve cap ... ..	—	—	2	—	—	2
8	H443	Bearing, stanchion lower ... ..	2	2	2	2	2	2
9	H444	Nut, stanchion hydraulic stop ... ..	2	2	2	2	2	2
10	H384	Spring, main (identification RED) ... ..	2	2	2	2	2	2
11	H505	Spring, main (identification BLUE) Sidecar ...	A	A	A	A	A	A
12	H749	Spring, main (identification PURPLE) Extra-heavy sidecar ... ..	A	A	A	A	A	A
13	H521A	Pressure tube assembly ... ..	2	2	—	2	2	—
14	H521	Pressure tube assembly ... ..	—	—	2	—	—	2
15	H399A	Rod, oil pressure ... ..	2	2	—	2	2	—
16	H399	Rod, oil pressure ... ..	—	—	2	—	—	2
17	H452	Restrictor, oil ... ..	2	2	2	2	2	2
18	H453	Cup, oil restrictor rod ... ..	2	2	2	2	2	2
19	H454	Pin, oil restrictor rod cup ... ..	2	2	2	2	2	2
20	F879	Nut, oil restrictor rod ... ..	2	2	2	2	2	2
21	H394	Tube pressure ... ..	2	2	2	2	2	2
22	H1012	Body, pressure tube valve ... ..	2	2	2	2	2	2
23	H397	Sleeve, pressure tube support ... ..	2	2	2	2	2	2
24	H500	Pin, valve body ... ..	2	2	2	2	2	2
25	H398	Bolt, valve body to lug $\frac{3}{8}$ " U <sub>1</sub> H	2	2	2	2	2	2
26	E1335	Washer, valve body to lug bolt ... ..	2	2	2	2	2	2

### STEERING CUPS, CONES AND BALLS

27	H111	Cup, frame lug, top and bottom ... ..	2	2	2	2	2	2
28	H1018	Cone, head lug top, c/w dust cover ... ..	1	1	1	1	1	1
29	H439	Cone, crown and stem, bottom ... ..	1	1	1	1	1	1
30	S70-3	Ball, top and bottom race $\frac{1}{2}$ " ... ..	40	40	40	40	40	40

### STEERING DAMPER

31	H530	Knob, c/w rod ... ..	1	1	1	1	1	1
32	H565	Washer, damper knob abutment ... ..	1	1	1	1	1	1
33	H406	Sleeve, damper adjusting ... ..	1	1	1	1	1	1
34	H409	Pin, sleeve securing ... ..	1	1	1	1	1	1
35	H413	Plate, damper anchor ... ..	1	1	1	1	1	1
36	F1718	Bolt, damper anchor plate $1\frac{1}{8}$ " U <sub>1</sub> H	1	1	1	1	1	1
37	SI-51	Nut, damper anchor plate ... ..	1	1	1	1	1	1
38	H435	Disc, damper anchor plate friction ... ..	1	1	1	1	1	1
39	H95	Spring, damper anchor plate ... ..	1	1	1	1	1	1

## FRONT WHEEL — GROUP 13

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>FRONT WHEEL—GROUP 13</b>								
1	W937	Wheel, front complete ...	1	1	—	—	—	—
2	W944	Wheel, front complete ...	—	—	1	—	—	1
3	W1162	Wheel, front complete ...	—	—	—	1	1	—
4	W938	Wheel, front less internal and brake fittings	1	1	—	—	—	—
5	W945	Wheel, front less internal and brake fittings	—	—	1	—	—	1
6	W1163	Wheel, front less internal and brake fittings	—	—	—	1	1	—
7	W351	Rim, front wheel WM2-19 ...	1	1	—	1	1	—
8	W870	Rim, front wheel WM1-20 ...	—	—	1	—	—	1
9	*W660	Spoke, long 8 $\frac{11}{16}$ " × 10G—88° L.H. ...	10	10	—	10	10	—
10	*W661	Spoke, long 8 $\frac{11}{16}$ " × 10G—90° L.H. ...	10	10	—	10	10	—
11	*W354	Spoke long, 9 $\frac{1}{4}$ " × 10G—78° L.H. ...	—	—	10	—	—	10
12	*W354X	Spoke, long 9 $\frac{1}{4}$ " × 10G—99° L.H. ...	—	—	10	—	—	10
13	*W933	Spoke, short 6 $\frac{3}{8}$ " × 10G—83° R.H. ...	10	10	—	—	—	—
14	*W934	Spoke, short 6 $\frac{3}{8}$ " × 10G—94° R.H. ...	10	10	—	—	—	—
15	*W1166	Spoke, short—80° R.H. Butted ...	—	—	—	10	10	—
16	*W1167	Spoke, short—95° R.H. Butted ...	—	—	—	10	10	—
17	*W942	Spoke, short 7 $\frac{1}{8}$ " × 10G—81° R.H. ...	—	—	10	—	—	10
18	*W943	Spoke, short 7 $\frac{1}{8}$ " × 10G—96° R.H. ...	—	—	10	—	—	10
19	S79-2	Nipple, spoke ...	40	40	40	40	40	40
20	W573A	Hub ...	1	1	1	1	1	1
21	W940	Drum, brake ...	1	1	1	—	—	1
22	W1165	Drum, brake ...	—	—	—	1	1	—
23	W62	Bolt, brake drum to hub $\frac{11}{16}$ " U.H. ...	8	8	8	8	8	8
24	SI-51	Nut, brake drum to hub ...	8	8	8	8	8	8
25	W63	Lockplate, drum nut ...	4	4	4	4	4	4
26	W578	Spindle, front wheel hub ...	1	1	1	1	1	1
27	W761	Sleeve and collar, spindle ...	1	1	1	1	1	1
28	W544	Nut, spindle ...	1	1	1	1	1	1
29	W545	Washer, spindle nut ...	1	1	1	1	1	1
30	W6S3	Bearing, front wheel hub ...	2	2	2	2	2	2
31	W581	Distance piece, bearing ...	1	1	1	1	1	1
32	W582	Ring nut, bearing retaining ...	1	1	1	1	1	1
33	W583	Cap, bearing dust ...	1	1	1	1	1	1
34	WMI	Bolt, tyre security ...	—	—	1	—	—	1

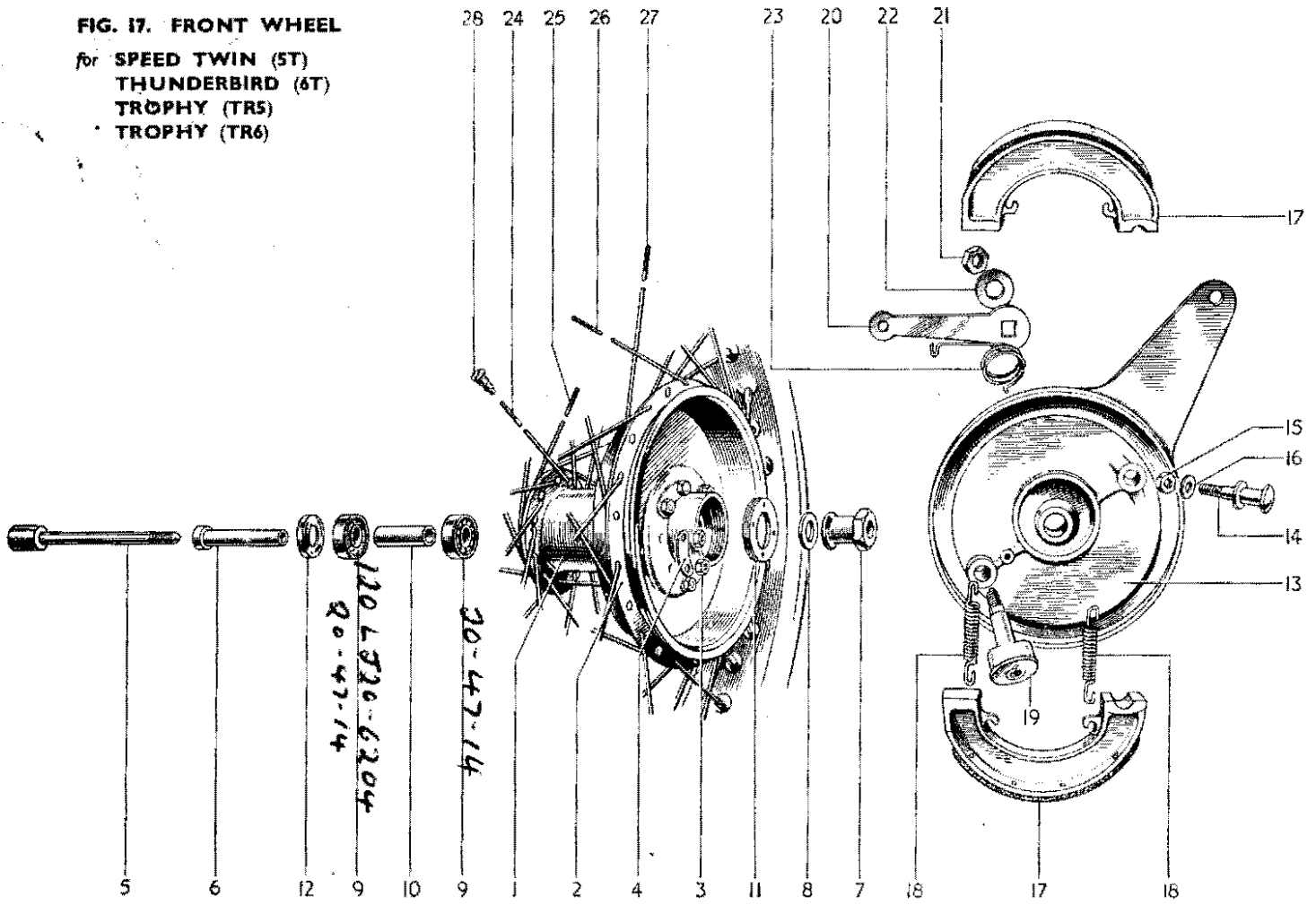
\*Supplied complete with nipple (S79-2).

### FRONT WHEEL BRAKE

35	W585	Plate, front brake anchor ...	1	1	1	—	—	1
36	W1073	Plate assembly, front brake anchor ...	—	—	—	1	1	—
37	W1059	Gauze, front brake anchor plate ...	—	—	—	1	1	—
38	W1169	Plate, blanking ...	—	—	—	A	A	—
39	H689	Screw, gauze securing $\frac{1}{4}$ " U/H ...	—	—	—	2	2	—
40	W588	Pin, front brake shoe fulcrum ...	1	1	1	—	—	1
41	W758	Pin, front brake shoe fulcrum ...	—	—	—	1	1	—
42	PO172A	Nut, fulcrum pin... ...	1	1	1	1	1	1
43	E2288	Washer, fulcrum pin ...	1	1	1	1	1	1

GROUP 13 - FRONT WHEEL

FIG. 17. FRONT WHEEL  
for SPEED TWIN (5T)  
THUNDERBIRD (6T)  
TROPHY (TR5)  
TROPHY (TR6)



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## FRONT WHEEL — GROUP 13

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	W93	Shoe, brake c/w lining ... ..	2	2	2	—	—	2
2	W1086	Shoe, brake c/w lining, leading ... ..	—	—	—	1	1	—
3	W1087	Shoe, brake c/w lining, trailing ... ..	—	—	—	1	1	—
4	NW243	Lining, brake shoe ... ..	2	2	2	—	—	2
5	W631	Lining, brake shoe ... ..	—	—	—	2	2	—
6	W129	Rivets, brake shoe lining ... ..	16	16	16	16	16	16
7	W135	Spring, brake shoe return ... ..	2	2	2	2	2	2
8	W386A	Cam, brake operating ... ..	1	1	1	—	—	1
9	W780	Cam, brake operating ... ..	—	—	—	1	1	—
10	W589	Lever, brake cam ... ..	1	1	1	1	1	1
11	51-52	Nut, brake cam lever ... ..	1	1	1	1	1	1
12	525-6	Washer, brake cam lever ... ..	1	1	1	1	1	1
13	W592	Spring, brake cam lever return ... ..	1	1	1	1	1	1
14	WF32	Pin, brake cam lever pivot ... ..	1	1	1	1	1	1
15		$\frac{1}{16}$ " $\times$ $\frac{1}{2}$ " Split pin, pivot pin ... ..	1	1	1	1	1	1
16	W1197	Weight, wheel balance, $\frac{3}{4}$ " ... ..	} T100 and T110 as required					
17	W1198	Weight, wheel balance, 1" ... ..						

### INDEX FIG. 17

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W537A	59	20	17	W93	61	1
2	W940	59	21	18	W135	61	7
3	51-51	59	24	19	W386A	61	8
4	W63	59	25	20	W589	61	10
5	W578	59	26	21	51-52	61	11
6	W761	59	27	22	525-6	61	12
7	W544	59	28	23	W592	61	13
8	W545	59	29	24	W661	59	10
9	W653	59	30		W354X	59	12
10	W581	59	31	25	W660	59	9
11	W582	59	32		W354	59	11
12	W583	59	33	26	W933	59	13
13	W585	59	35		W942	59	17
14	W588	59	40	27	W934	59	14
15	PO172A	59	42		W943	59	18
16	E2288	59	43	28	S79-2	59	19

GROUP 13 - FRONT WHEEL

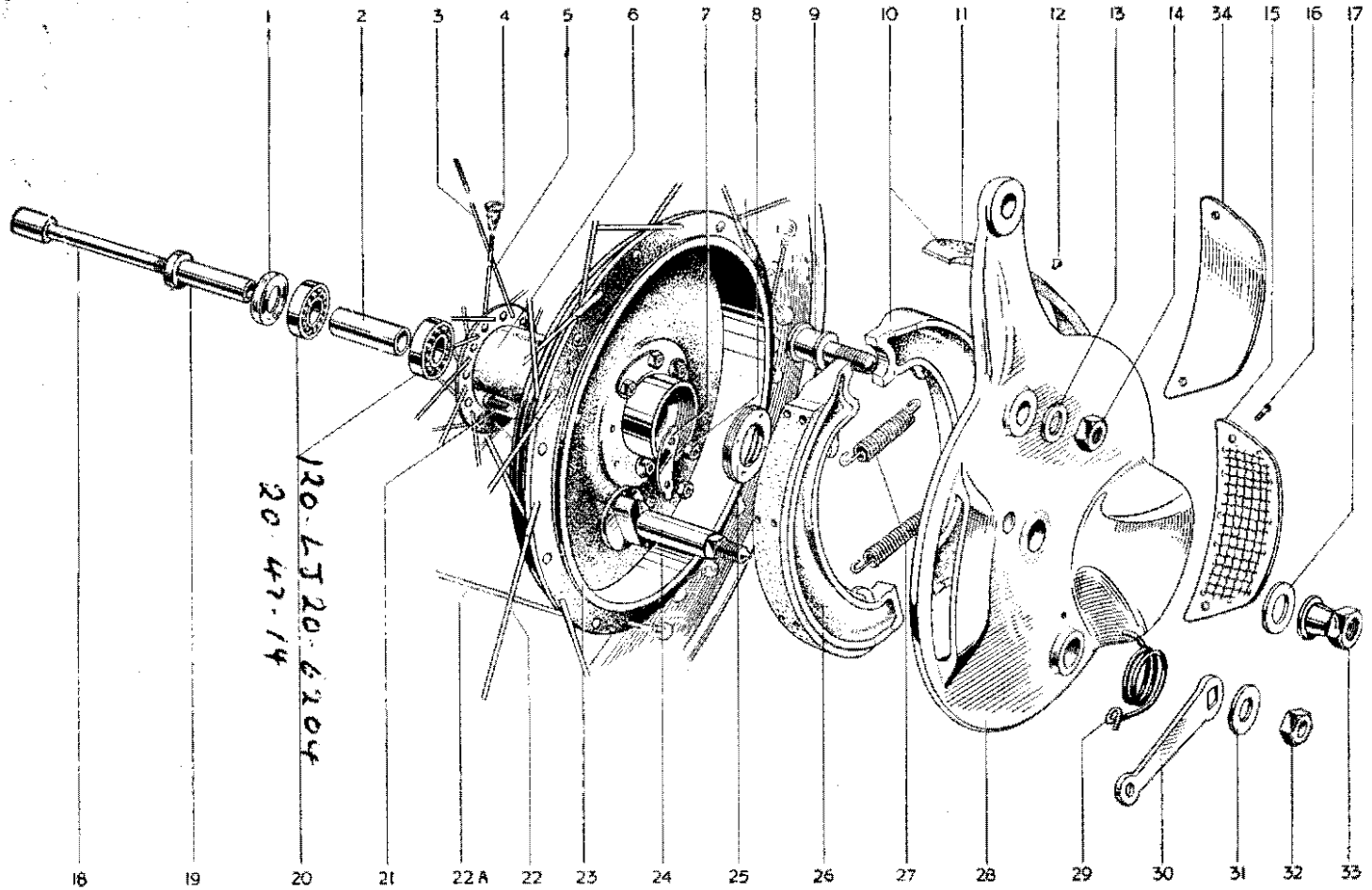


FIG. 18. FRONT WHEEL—TIGER 100 (T100) AND TIGER 110 (T110)

## FRONT WHEEL - GROUP 13

### INDEX FIG. 18

<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>
1	W583	59	33
2	W581	59	31
3	W661	59	10
4	S79-2	59	19
5	W660	59	9
6	W573A	59	20
7	W63	59	25
8	S1-51	59	24
9	W758	59	41
10	W1086	61	2
11	W631	61	5
12	W129	61	6
13	E2288	59	43
14	PO172A	59	42
15	W1059	59	37
16	H689	59	39
17	W545	59	29
18	W578	59	26
19	W761	59	27
20	W653	59	30
21	W62	59	23
22	W1166	59	15
22A	W1167	59	16
23	W1165	59	22
24	W780	61	9
25	W582	61	32
26	W1087	61	3
27	W135	61	7
28	W1073	59	36
29	W592	61	13
30	W589	61	10
31	S25-6	61	12
32	S1-52	61	11
33	W544	59	28
34	W1169	59	38

# GROUP 14 - REAR WHEEL

REF. No.	PART No.	DESCRIPTION	ST	61	TR5	T100	T110	TR6
<b>REAR WHEEL—GROUP 14</b>								
1	W1110	Wheel, rear complete	1	1	—	1	1	—
2	W1215	Wheel, rear complete	—	—	1	—	—	1
3	W1068	Wheel, less internals and brake fittings	1	1	—	1	1	—
4	W1216	Wheel, less internals and brake fittings	—	—	1	—	—	1
5	W79A	Spindle, rear wheel WM2-19	1	1	—	1	1	—
6	W1007	Spindle, rear wheel WM3-f8	—	—	1	—	—	1
7	*NW125	Spoke, 8 1/8" x 9G 76°	10	10	—	10	10	—
8	*NW125X	Spoke, 8 1/8" x 9G 100°	10	10	—	10	10	—
9	*W1126	Spoke, 7 1/8" x 9G 90°	—	—	20	—	—	20
10	*W107	Spoke, 8 1/8" x 9G 80°	10	10	—	10	10	—
11	*W107X	Spoke, 8 1/8" x 9G 97°	10	10	—	10	10	—
12	*W1127	Spoke, 7 1/8" x 9G 100°	—	—	20	—	—	20
13	TW5	Nipple, spoke	40	40	40	40	40	40
14	W1017	Hub	1	1	1	1	1	1
15	W951	Sprocket, and drum (46T)	1	1	1	1	1	1
16	W62	Bolt, sprocket and drum to hub H° U/H	8	8	8	8	8	8
17	SI-51	Nut, sprocket and drum to hub	8	8	8	8	8	8
18	W63	Lockplate, sprocket and drum nut	8	8	8	8	8	8
19	W1025	Spindle, rear wheel	1	1	1	1	1	1
20	F1747	Nut, rear wheel spindle	2	2	2	2	2	2
21	W1013	Bearing, rear wheel ball	2	2	2	2	2	2
22	W1022	Ring, bearing backing L.H.	1	1	1	1	1	1
23	W1023	Distance, tube, bearing	1	1	1	1	1	1
24	W1021	Retaining ring, bearing	1	1	1	1	1	1
25	W1079	Locking screw, bearing retaining ring 1/8° U/H	1	1	1	1	1	1
26	W1014	Distance piece, L.H. bearing	1	1	1	1	1	1
27	W513	Cap, bearing dust R.H.	1	1	1	1	1	1
28	W1026	Nut, bearing retaining R.H.	1	1	1	1	1	1
29	W1134	Chain adjuster, rear wheel	2	2	2	2	2	2
30	W1015	End plate, adjuster	2	2	2	2	2	2
31	W1058	Nut, adjuster end plate	2	2	2	2	2	2
32	D106	Bolt, tyre security	1	1	—	1	1	—
33	WM3	Bolt, tyre security	—	—	2	—	—	2

\* Supplied complete with nipple (TW5).

## REAR WHEEL BRAKE

34	W1112	Plate, rear brake anchor	1	1	1	1	1	1
35	F1747	Locknut, rear brake anchor plate	1	1	1	1	1	1
36	W93	Shoe assembly, rear with lining	2	2	2	2	2	2
37	NW243	Lining, rear brake shoe	2	2	2	2	2	2
38	W129	Rivet, brake shoe lining	16	16	16	16	16	16
39	W135	Spring, brake shoe return	2	2	2	2	2	2
40	W1083	Cam assembly rear brake	1	1	1	1	1	1
41	W1085	Lever, rear brake cam	1	1	1	1	1	1
42	SI-52	Nut, rear brake cam lever	1	1	1	1	1	1
43	W1090	Spring, rear brake cam lever return	1	1	1	1	1	1
44	D647	Nut, Torque stay securing	1	1	1	1	1	1
45	W1093	Washer, torque stay nut	1	1	1	1	1	1



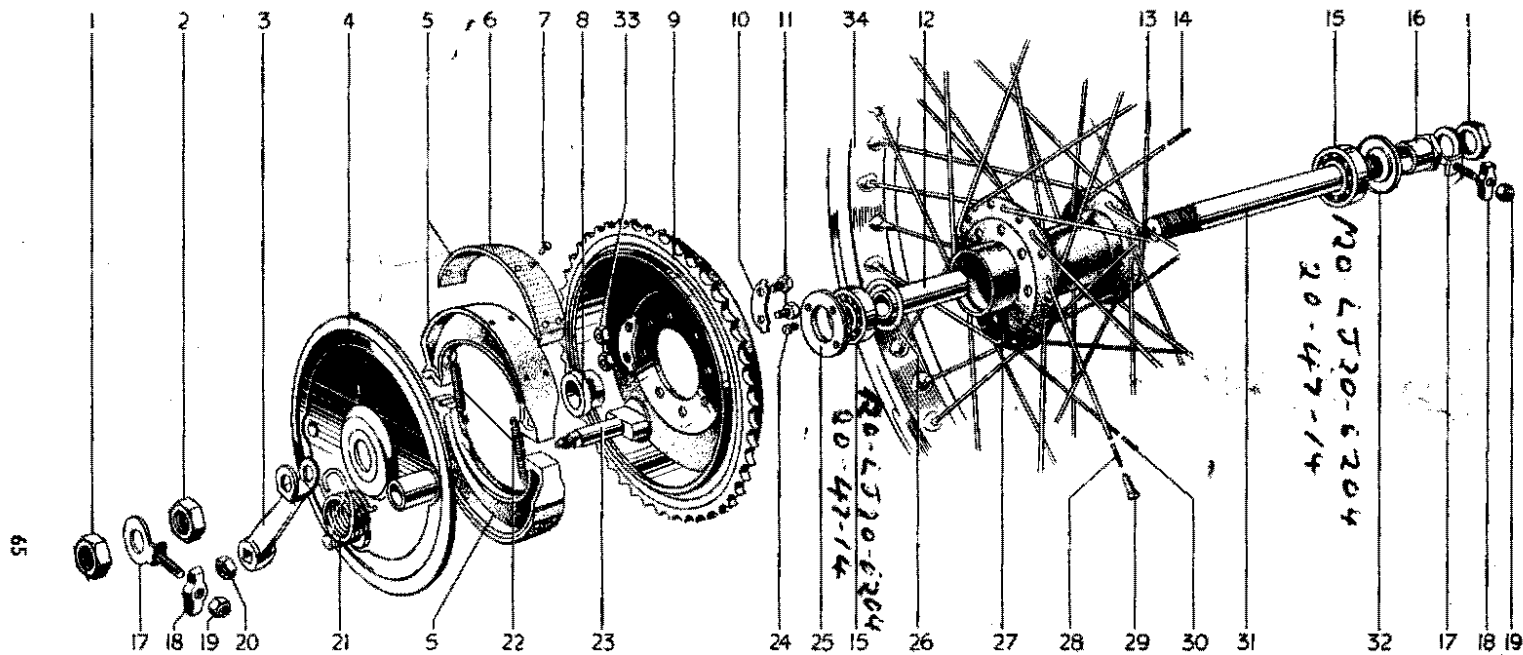


FIG. 19. REAR WHEEL

INDEX FIG. 19

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F1747	64	20	13	W1127	64	12	25	W1021	64	24
2	F1747	64	35	14	W107X	64	11	26	W1022	64	22
3	W1085	64	41		W1127	64	12	27	W1017	64	14
4	W1112	64	34	15	W653	64	21	28	NW125	64	7
5	W93	64	36	16	W1026	64	28		W1126	64	9
6	NW243	64	37	17	W1134	64	29	29	TW5	64	13
7	W129	64	38	18	W1015	64	30	30	NW125X	64	8
8	W1024	64	26	19	W1058	64	31		W1126	64	9
9	W951	64	15	20	SI-52	64	42	31	W1025	64	19
10	W63	64	18	21	W1090	64	43	32	W583	64	27
11	W62	64	16	22	W135	64	39	33	SI-51	64	17
12	W1023	64	23	23	W1083	64	40	34	W79A	64	5
13	W107	64	10	24	W1079	64	25		W1007	64	6

REAR WHEEL - GROUP 14

GROUP 15 - REAR WHEEL (QUICKLY DETACHABLE)

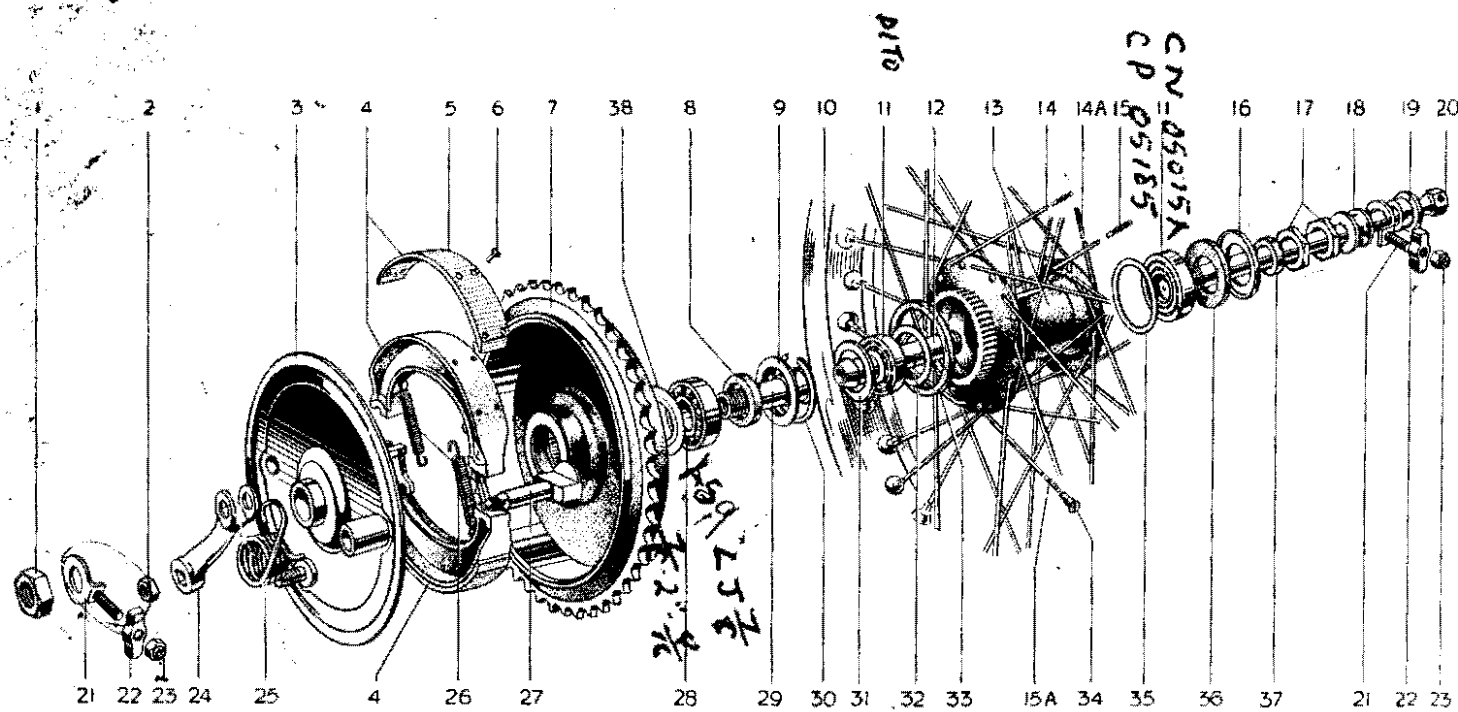


FIG. 20. REAR WHEEL (QUICKLY DETACHABLE)  
INDEX FIG. 20

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W1052	67	32		W1126	67	9	24	W1085	67	42
2	S1-52	67	41	14A	NW125	67	7	25	W1090	67	40
3	W1121	67	38		W1127	67	10	26	W135	67	46
4	W93	67	43	15	NW125X	67	8	27	W1083	67	39
5	NW243	67	44		W1127	67	10	28	W1041	67	24
6	W129	67	45	15A	NW125X	67	8	29	W1045	67	28
7	W1040	67	22		W1126	67	9	30	W1044	67	27
8	W1042	67	25	16	W1038	67	18	31	W1035	67	15
9	W1043	67	26	17	E398	67	20	32	W1033	67	13
10	W79A	67	5	18	W1053	67	33	33	W1091	67	21
	W1007	67	6	19	W1170	67	34	34	TW5	67	11
11	W1034	67	14	20	W1055	67	35	35	W1033	67	13
12	W1039	67	19	21	W1135	67	29	36	W1036	67	16
13	W1029	67	2	22	W1015	67	30	37	W1037	67	17
14	NW125X	67	18	23	W1058	67	31	38	W1143	67	23

## REAR WHEEL (QUICKLY DETACHABLE) — GROUP 15

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>REAR WHEEL (QUICKLY DETACHABLE)—GROUP 15</b>								
1	W1119	Wheel, Q.D. rear complete	1	1	—	1	1	—
2	W1124	Wheel, Q.D. rear complete	—	—	1	—	—	1
3	W1028	Wheel, less internals and brake fittings	1	1	—	1	1	—
4	W1125	Wheel, less internals and brake fittings	—	—	1	—	—	1
5	W79A	Rim, WM2-19	1	1	—	1	1	—
6	W1007	Rim, WM3-18	—	—	1	—	—	1
7	NW125	Spoke, 8 $\frac{1}{2}$ " x 9G 76° Timing side	10	10	—	10	10	—
8	NW125X	Spoke, 8 $\frac{1}{2}$ " x 9G 100°	30	30	—	30	30	—
9	W1126	Spoke, 7 $\frac{1}{8}$ " x 9G 90° Drive side	—	—	20	—	—	20
10	W1127	Spoke, 7 $\frac{1}{8}$ " x 9G 100° Timing side	—	—	20	—	—	20
11	TW5	Nipple, spoke	40	40	40	40	40	40
12	W1029	Hub	1	1	1	1	1	1
13	W1033	Backing ring, bearing	2	2	2	2	2	2
14	W1034	Bearing, taper roller	2	2	2	2	2	2
15	W1035	Dust cap, L.H. bearing	1	1	1	1	1	1
16	W1036	Felt washer, R.H. bearing	1	1	1	1	1	1
17	W1037	Distance piece, R.H. bearing	1	1	1	1	1	1
18	W1038	Dust cap, R.H. bearing	1	1	1	1	1	1
19	W1039	Sleeve, bearing and spindle	1	1	1	1	1	1
20	E398	Locknut, bearing and spindle sleeve	2	2	2	2	2	2
21	W1091	Sealing ring, driving flange and brake drum	1	1	1	1	1	1
22	W1040	Brake drum and sprocket 46T	1	1	1	1	1	1
23	W1143	Grease retainer, brake drum bearing	1	1	1	1	1	1
24	W1041	Bearing, brake drum <i>L.S. 9</i>	1	1	1	1	1	1
25	W1042	Felt washer, brake drum bearing	1	1	1	1	1	1
26	W1043	Retainer, brake drum bearing	1	1	1	1	1	1
27	W1044	Circlip, brake drum bearing retainer	1	1	1	1	1	1
28	W1045	Sleeve, brake drum bearing	1	1	1	1	1	1
29	W1135	Adjuster, rear wheel chain	2	2	2	2	2	2
30	W1015	End plate, rear wheel adjuster	2	2	2	2	2	2
31	W1058	Nut, rear wheel adjuster	2	2	2	2	2	2
32	W1052	Nut, bearing sleeve L.H.	1	1	1	1	1	1
33	W1053	Distance collar, spindle	1	1	1	1	1	1
34	W1170	Collar, spindle	1	1	1	1	1	1
35	W1055	Spindle	1	1	1	1	1	1
36	WM2	Bolt, tyre security	1	1	—	1	1	—
37	WM3	Bolt, tyre security	—	—	2	—	—	2
<b>REAR WHEEL BRAKE</b>								
38	W1121	Plate, brake anchor	1	1	1	1	1	1
39	W1083	Cam, brake	1	1	1	1	1	1
40	W1090	Return spring, brake lever	1	1	1	1	1	1
41	SI-52	Nut, brake lever	1	1	1	1	1	1
42	W1085	Lever, brake	1	1	1	1	1	1
43	W93	Shoe, rear brake c/w lining	2	2	2	2	2	2
44	NW243	Lining, rear brake shoe <i>10 924</i>	2	2	2	2	2	2
45	W129	Rivet, rear brake shoe	16	16	16	16	16	16
46	W135	Spring, rear brake shoe	2	2	2	2	2	2
47	DS47	Nut, torque stay securing	1	1	1	1	1	1
48	PCW73A	Washer, torque stay nut	1	1	1	1	1	1



# MUDGUARD - GROUP 16

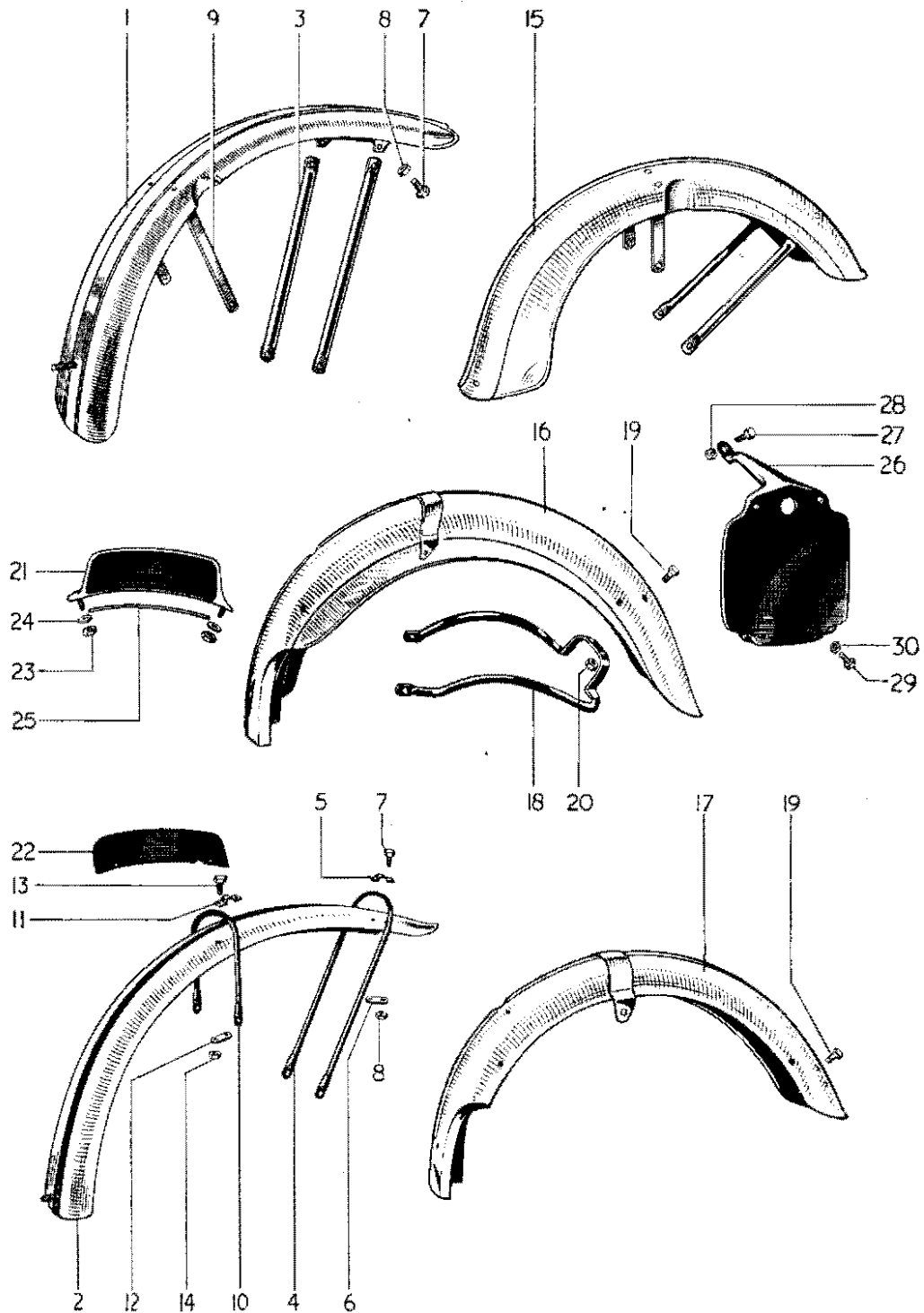


FIG. 21. FRONT AND REAR MUDGUARDS

## GROUP 16 – MUDGUARD

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	DS57	Bolt, bridge to mudguard $\frac{3}{8}$ " U/H ...	—	—	4	—	—	4
2	E1612	Washer, bridge to mudguard bolt ...	—	—	4	—	—	4
3	F879	Nut, bridge to mudguard bolt ...	—	—	4	—	—	4
4	H428	Clip, support bridge to fork ...	2	2	2	2	2	2
5	H426	Bolt, support bridge to fork clip L.H. $\frac{3}{8}$ " U/H	1	1	—	1	1	—
6	F1031	Bolt, support bridge to fork clip L.H. $\frac{3}{8}$ " U/H	—	—	1	—	—	1
7	H451	Bolt, support bridge to fork clip R.H. $\frac{3}{8}$ " U/H	1	1	—	1	1	—
8	H622	Bolt, support bridge to fork clip R.H. $\frac{3}{8}$ " U/H	—	—	1	—	—	1
9	PO172A	Nut, clip bolt ...	2	2	2	2	2	2
10	S26-1	Washer, clip bolt nut ...	2	2	2	2	2	2
11	F929	Bolt, mudguard stay to fork end $\frac{1}{2}$ " U/H ...	2	2	—	2	2	—
12	F2335	Bolt, mudguard stay to fork end $\frac{3}{8}$ " U/H ...	—	—	2	—	—	2
13	S26-3	Washer, mudguard stay to fork end ...	2	2	2	2	2	2

### FRONT MUDGUARD (VALANCED) Alternative Equipment

14	H768	Valanced front mudguard assembly c/w front stays ...	1	1	—	1	1	—
15	DS57	Bolt, licence holder securing $\frac{3}{8}$ " U/H ...	1	1	—	1	1	—
16	S25-1	Washer, licence holder securing bolt ...	1	1	—	1	1	—
17	F879	Nut, licence holder securing bolt ...	1	1	—	1	1	—

### LICENCE HOLDER

18	D261	Licence holder, etc. ...	1	1	1	1	1	1
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### REAR MUDGUARD

19	F3629	Mudguard assembly, complete ...	1	1	—	1	1	—
20	F3685	Mudguard assembly, complete ...	—	—	1	—	—	1
21	F3599	Bracket, mudguard to rear engine plates ...	1	1	1	1	1	1
22	F2335	Bolt, mudguard bracket to rear engine plates $\frac{3}{8}$ " U/H ...	2	2	2	2	2	2
23	SI-51	Nut, mudguard bracket bolt ...	2	2	2	2	2	2
24	S26-3	Washer, mudguard bracket bolt ...	2	2	2	2	2	2
25	DS57	Bolt, mudguard to bracket $\frac{3}{8}$ " U/H ...	2	2	2	2	2	2
26	F879	Nut, mudguard to bracket bolt ...	2	2	2	2	2	2
27	S26-2	Washer, mudguard to bracket bolt ...	2	2	2	2	2	2
28	F3632	Bolt, mudguard to frame $\frac{1}{2}$ " U/H ...	2	2	2	2	2	2
29	SI-51	Nut, mudguard to frame bolt ...	2	2	2	2	2	2
30	S26-3	Washer, mudguard to frame bolt ...	2	2	2	2	2	2
31	F3896	Lifting handle, rear ...	1	1	1	1	1	1
32	DS57	Bolt, lifting handle to mudguard $\frac{3}{8}$ " U/H ...	2	2	2	2	2	2
33	F879	Nut, lifting handle bolt ...	2	2	2	2	2	2
34	S26-2	Washer, lifting handle bolt ...	2	2	2	2	2	2
35	D324	Mudflap, rubber ...	A	A	A	A	A	A

## NUMBER PLATE — GROUP 17 PETROL AND OIL TANK — GROUP 18

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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### NUMBER PLATE—GROUP 17

#### FRONT NUMBER PLATE

1	F2698	Plate assembly, number ... ..	1	1	—	1	1	—
2	F2996	Plate number ... ..	—	—	1	—	—	1
3	H741	Clip, plate to mudguard c/w nut and bolt ...	—	—	2	—	—	2
4	H687	Screw, plate to clip $\frac{3}{8}$ " U/H ... ..	—	—	2	—	—	2
5	F879	Nut, plate stud ... ..	2	2	—	2	2	—
6	H745	Nut, plate clip screw ... ..	—	—	2	—	—	2
7	S26-2	Washer, stud ... ..	2	2	—	2	2	—
8	H251	Beading, plate (rubber) ... ..	1	1	—	1	1	—

#### REAR NUMBER PLATE

9	F3363	Plate, rear number ... ..	1	1	1	1	1	1
10	F929	Bolt, rear number plate top $\frac{1}{2}$ " U/H ...	1	1	1	1	1	1
11	S1-S1	Nut, rear number plate top bolt ... ..	1	1	1	1	1	1
12	S26-3	Washer, number plate top bolt ... ..	1	1	1	1	1	1
13	F1369	Bolt, rear number plate bottom $\frac{5}{8}$ " U/H ...	2	2	2	2	2	2
14	S26-2	Washer, bottom bolt nut ... ..	2	2	2	2	2	2
15	F879	Nut, bottom bolt ... ..	2	2	2	2	2	2
16	D68	Transfer, number plate (gold and white) ...	1	1	1	1	1	1

### PETROL AND OIL TANK—GROUP 18

#### PETROL TANK

17	F3280PR	Tank, petrol ... ..	1	—	—	—	—	—
18	F3280TG	Tank, petrol ... ..	—	1	—	—	—	—
19	F3280BS	Tank, petrol ... ..	—	—	—	1	1	—
20	F3914	Tank, petrol (Export, Tigers) ... ..	—	—	1	A	A	1
21	F3220	Cap, petrol tank filler ... ..	1	1	—	1	1	—
22	F3219	Cap, petrol tank filler c/w jack chain ...	—	—	1	—	—	1
23	F3217,21	Jack chain, filler cap ... ..	—	—	1	—	—	1
24	F3281	Band, petrol tank styling L.H. ... ..	1	1	—	1	1	—
25	F3282	Band, petrol tank styling R.H. ... ..	1	1	—	1	1	—
26	F3919	Band, petrol tank styling L.H. (Export Tigers)	—	—	1	A	A	1
27	F3920	Band, petrol tank styling R.H. (Export Tigers)	—	—	1	A	A	1
28	F1823A	Nameplate, petrol tank ... ..	2	—	—	—	—	—
29	F1823H	Nameplate, petrol tank ... ..	—	2	—	—	—	—
30	F1823F	Nameplate, petrol tank ... ..	—	—	2	2	2	2
31	F3113	Screw, nameplate $\frac{5}{16}$ " U/H ... ..	4	4	4	4	4	4

# GROUP 18 - PETROL AND OIL TANK

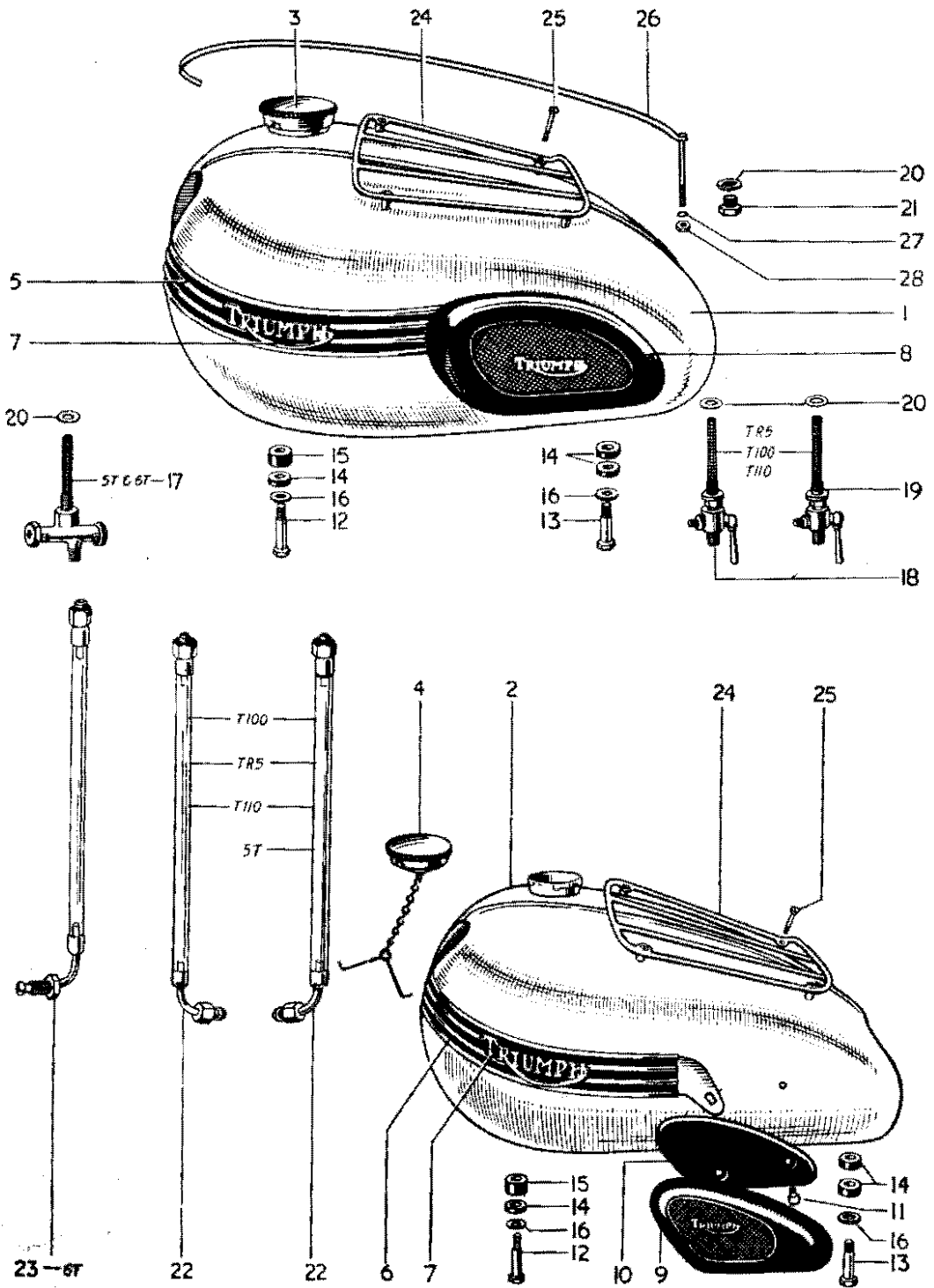


FIG. 22. PETROL TANKS AND FITTINGS



## PETROL AND OIL TANK – GROUP 18

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	F3967	Band, centre styling ... ..	1	1	1	1	1	1
2	F4018	Fixing screw (not fitted to later models) ...	1	1	1	1	1	1
3	F4019	Washer, shakeproof ... ..	1	1	1	1	1	1
4	H919	Nut, band fixing tag or screw ... ..	1	1	1	1	1	1
5	F2551	Pad, knee grip L.H. ... ..	1	1	—	1	1	—
6	F2552	Pad, knee grip R.H. ... ..	1	1	—	1	1	—
7	F1606	Pad, knee grip L.H. (Export Tigers) ... ..	—	—	1	A	A	1
8	F1605	Pad, knee grip R.H. (Export Tigers) ... ..	—	—	1	A	A	1
9	F3915	Plate, knee grip insert L.H. (Export Tigers)...	—	—	1	A	A	1
10	F3916	Plate, knee grip insert R.H. (Export Tigers)...	—	—	1	A	A	1
11	F1953	Screw, knee grip pad $\frac{5}{8}$ " U:H ... ..	4	4	—	4	4	—
12	T361	Bolt, knee grip pad ... ..	—	—	4	A	A	4
13	S25-13	Washer, knee grip bolt ... ..	—	—	4	A	A	4
14	F1808	Bolt petrol tank fixing (front) $1\frac{3}{16}$ " U:H ...	2	2	2	2	2	2
15	F966	Bolt, petrol tank fixing (rear) $1\frac{1}{8}$ " U:H ...	2	2	2	2	2	2
16	F1813	Washer, rubber front upper ... ..	2	2	2	2	2	2
17	F967	Washer, rubber ... ..	4	4	4	4	4	4
18	F3815	Washer, rubber spigotted ... ..	2	2	2	2	2	2
19	S25-27	Washer, plain ... ..	4	4	4	4	4	4
20	F1717	Tap, petrol feed ... ..	1	1	—	—	—	—
21	F3057	Tap, petrol feed L.H. ... ..	—	—	1	1	1	1
22	F3116	Tap, petrol feed R.H. (reserve) ... ..	—	—	1	1	1	1
23	F1511	Washer, petrol tap and plug ... ..	2	2	2	2	2	2
24	F3329	Plug, petrol tank... ..	1	1	—	—	—	—
25	F3672	Pipe, petrol feed ... ..	1	—	2	2	2	2
26	F3332	Pipe, petrol feed ... ..	—	1	—	—	—	—

### INDEX FIG. 22

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3280	71	17	15	F1813	73	16
2	F3914	71	20	16	S25-27	73	19
3	F3220	71	21	17	F1717	73	20
4	F3219	71	22	18	F3057	73	21
5	F3281	71	24	19	F3116	73	22
6	F3919	71	26	20	F1511	73	23
7	F1823	71	28	21	F3329	73	24
8	F2551	73	5	22	F3672	73	25
9	F1606	73	7	23	F3332	73	26
10	F3915	73	9	24	F3917	74	1
11	T361	73	12	25	F2936	74	2
12	F1808	73	14	26	F3967	73	1
13	F966	73	15	27	F4019	73	3
14	F967	73	17	28	H919	73	4
	F3815	73	18				



## PETROL AND OIL TANK – GROUP 18

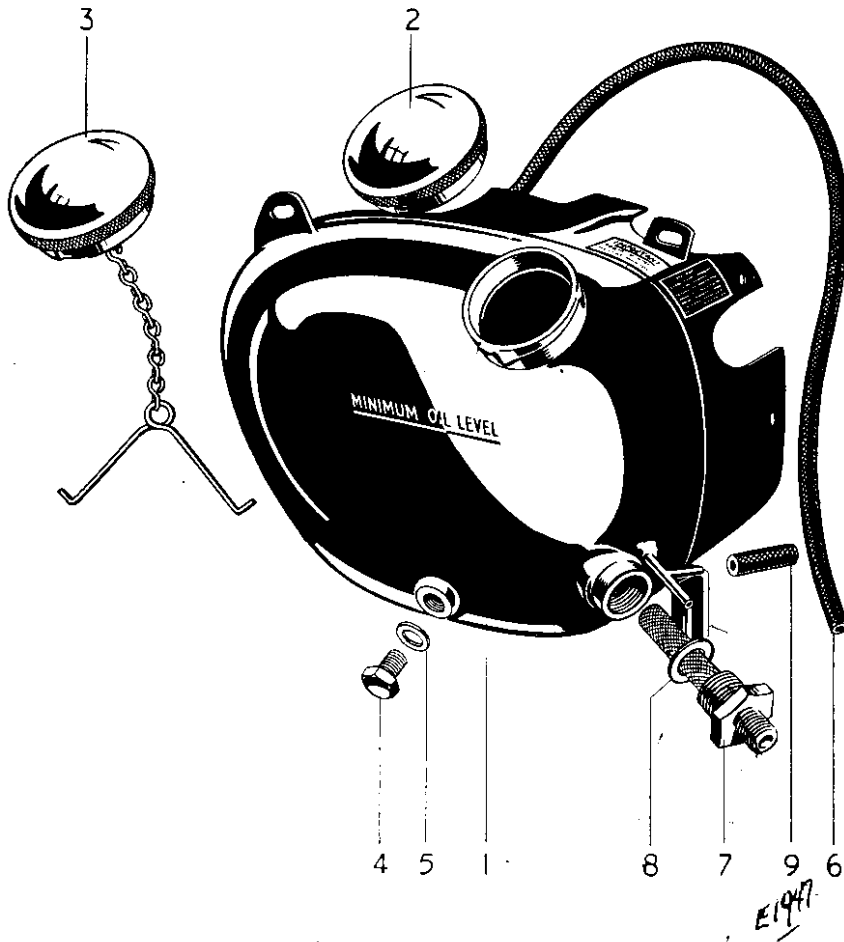


FIG. 23. OIL TANK

### INDEX FIG. 23

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3856	74	4	6	T1203	74	10
2	F3658	74	5	7	F3179	74	17
3	F3796	74	6	8	F1713	74	18
4	E1792	74	8	9	E3383	35	9
5	PT104B	74	9				



PRIMARY CHAINCASE - GROUP 20

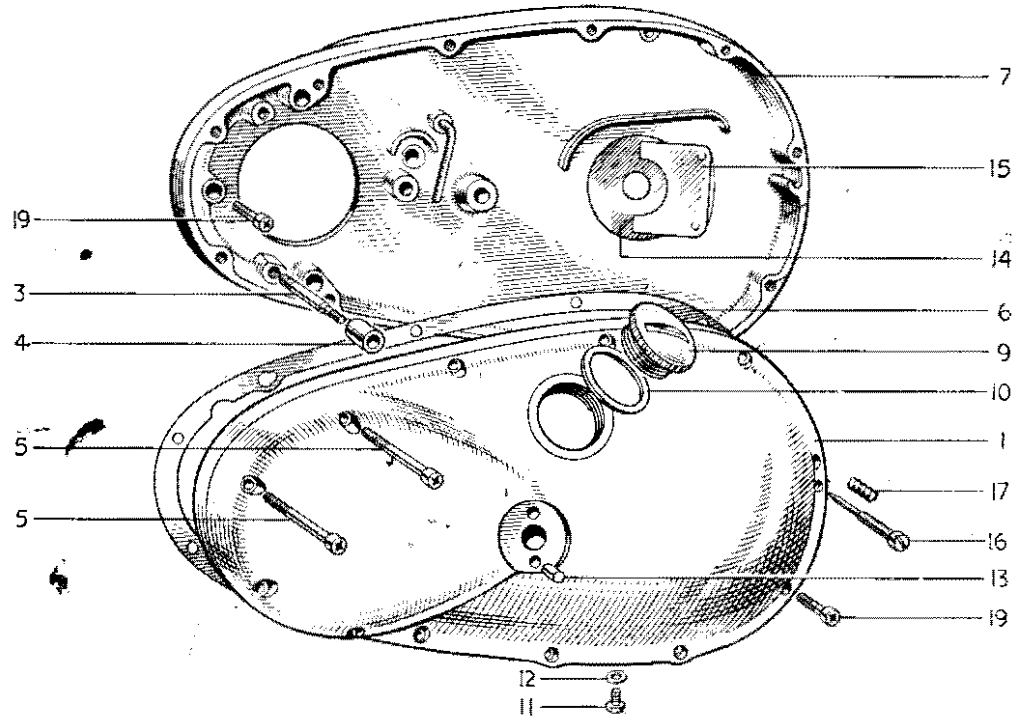
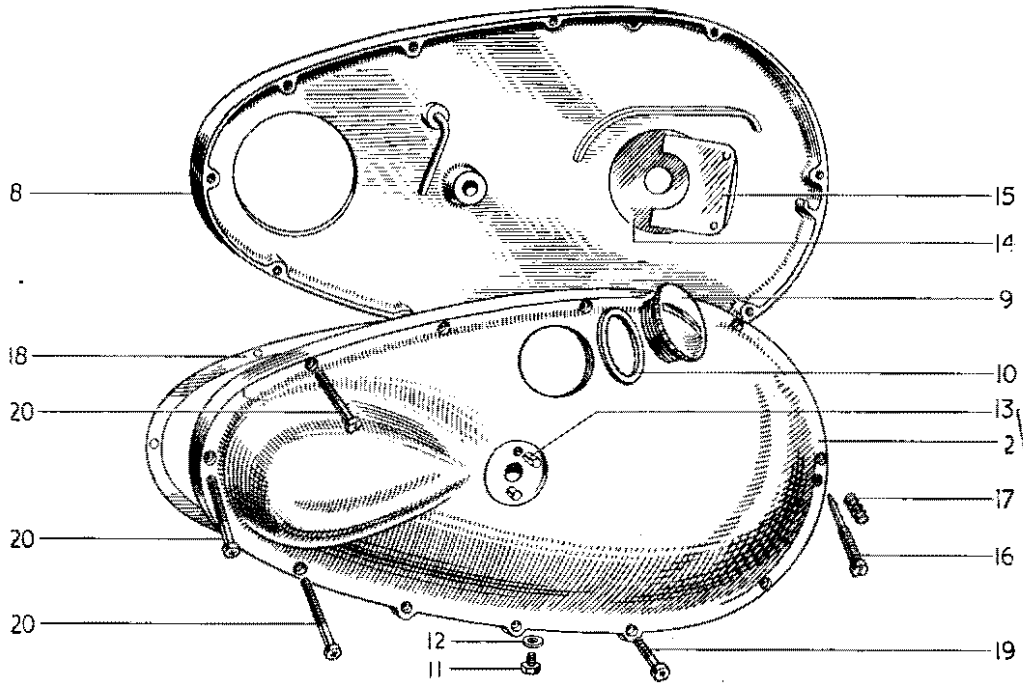


FIG. 24. PRIMARY CHAINCASE



# HANDLEBAR - GROUP 21

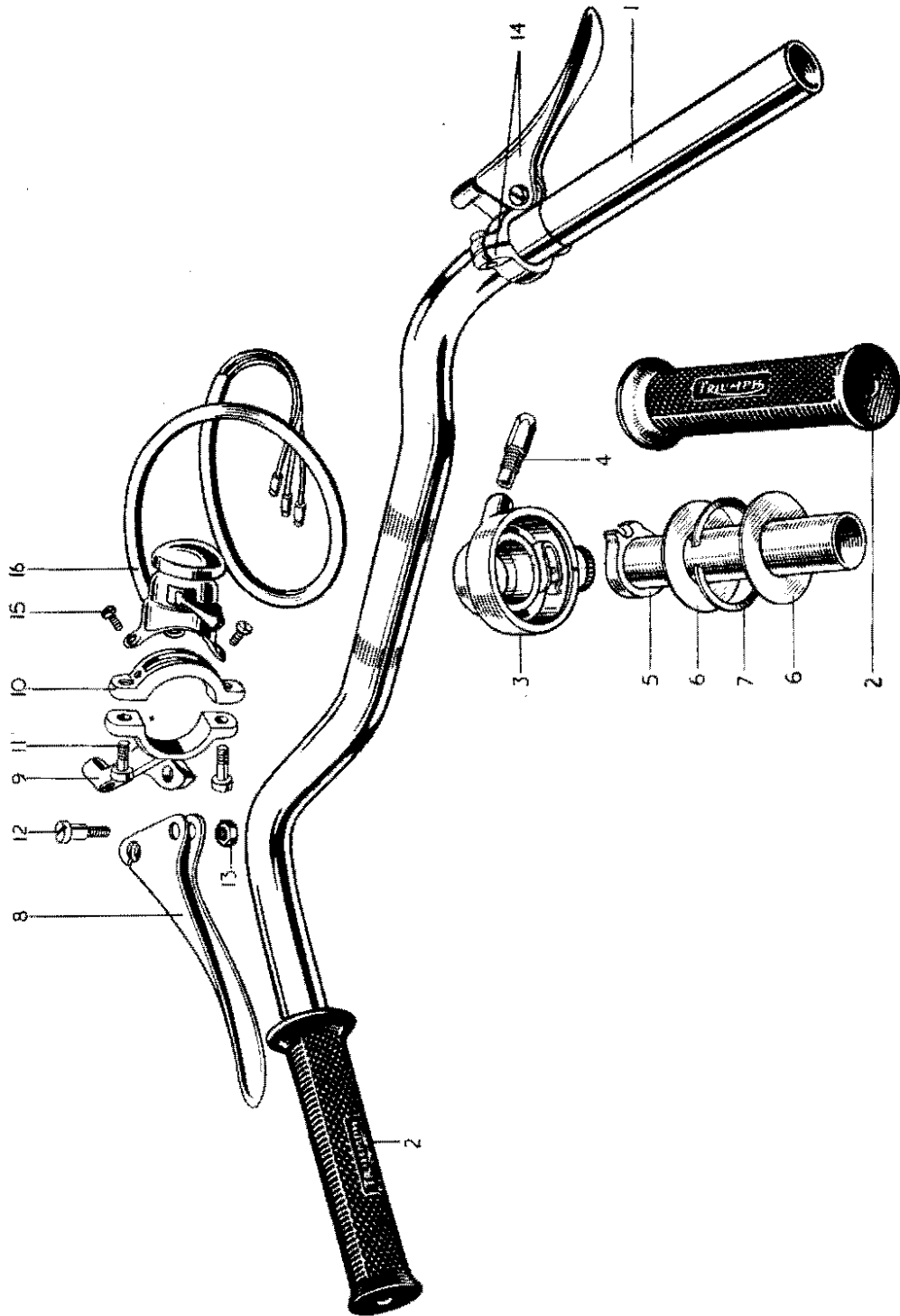


FIG. 25. HANDLEBAR AND CONTROLS

## GROUP 21 — HANDLEBAR

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>FRONT BRAKE CONTROL</b>								
1	18:547	Lever assembly, front brake ... ..	1	1	—	1	1	—
2	18:772	Lever assembly, front brake (Ball-ended) ...	—	—	1	—	—	1
3	18:535	Lever only ... ..	1	1	—	1	1	—
4	18:754	Lever only (Ball-ended) ... ..	—	—	1	—	—	1
5	18:174	Bracket, lever fulcrum ... ..	1	1	1	1	1	1
6	12:044	Clamp, lever bracket ... ..	1	1	1	1	1	1
7	11:014	Screw, lever bracket to clamp ... ..	2	2	2	2	2	2
8	18:087	Screw, lever fulcrum ... ..	1	1	1	1	1	1
9	18:053	Nut, lever fulcrum screw ... ..	1	1	1	1	1	1
<b>CLUTCH CONTROL</b>								
10	18:787	Lever assembly, clutch ... ..	1	1	—	1	1	—
11	18:794	Lever assembly, clutch (Ball-ended) ... ..	—	—	1	—	—	1
12	18:528	Lever only ... ..	1	1	—	1	1	—
13	18:752	Lever only (Ball-ended) ... ..	—	—	1	—	—	1
14	18:500	Bracket, lever fulcrum ... ..	1	1	1	1	1	1
15	H668	Clamp, lever bracket ... ..	1	1	1	1	1	1
16	61:004	Screw, lever bracket to clamp ... ..	2	2	2	2	2	2
17	18:087	Screw, lever fulcrum ... ..	1	1	1	1	1	1
18	18:053	Nut, lever fulcrum screw ... ..	1	1	1	1	1	1
<b>AIR CONTROL</b>								
19	12:578	Lever assembly air control ... ..	1	—	—	1	1	—
20	12:163	Lever assembly air control (chrome) ... ..	—	—	1	—	—	1
21	12:016B	Lever only ... ..	1	—	—	1	1	—
22	12:016	Lever only ... ..	—	—	1	—	—	1
23	12:029	Bolt, centre ... ..	1	—	1	1	1	1
24	12:031	Cap ... ..	1	—	1	1	1	1
25	12:033	Washer, centre spring ... ..	1	—	1	1	1	1
26	11:014	Screw, clip fixing ... ..	2	—	2	2	2	2
27	12:044	Clip, fixing ... ..	1	—	1	1	1	1
<b>MAGNETO CONTROL</b>								
28	12:173	Lever assembly, magneto control ... ..	—	—	1	—	—	1
29	12:162	Lever assembly, magneto control ... ..	—	—	—	1	1	—
30	12:017	Lever only ... ..	—	—	1	—	—	1
31	12:014	Lever only ... ..	—	—	—	1	1	—
32	12:029	Bolt, centre ... ..	—	—	1	1	1	1
33	12:031	Cap centre ... ..	—	—	1	1	1	1
34	12:033	Washer, spring ... ..	—	—	1	1	1	1
35	11:014	Screw, clip fixing ... ..	—	—	2	2	2	2
36	12:044	Clip, fixing ... ..	—	—	1	1	1	1







## REAR BRAKE CONTROL — GROUP 24 FOOTREST — GROUP 25

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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### REAR BRAKE CONTROL—GROUP 24

1	F3595	Pedal, rear brake	1	1	1	1	1	1
2	F867	Spindle, rear brake pedal	1	1	1	1	1	1
3	DS48	Nut, rear brake spindle to frame	1	1	1	1	1	1
4	SCZ45	Washer, rear brake spindle to frame	1	1	1	1	1	1
5	SI-52	Nut, pedal spindle	1	1	1	1	1	1
6	S25-2	Washer, pedal spindle (plain)	1	1	1	1	1	1
7	S26-16	Washer, pedal spindle (spring)	1	1	1	1	1	1
8	F3597	Rod, brake operating	1	1	1	1	1	1
9		$\frac{1}{16}$ " x $\frac{1}{8}$ " Split pin	1	1	1	1	1	1
10	S25-13	Washer, brake rod for split pin	1	1	1	1	1	1
11	W11	Pivot roller, brake arm to rod	1	1	1	1	1	1
12	F3667	Thumb nut, brake rod adjusting	1	1	1	1	1	1

### FOOTREST—GROUP 25

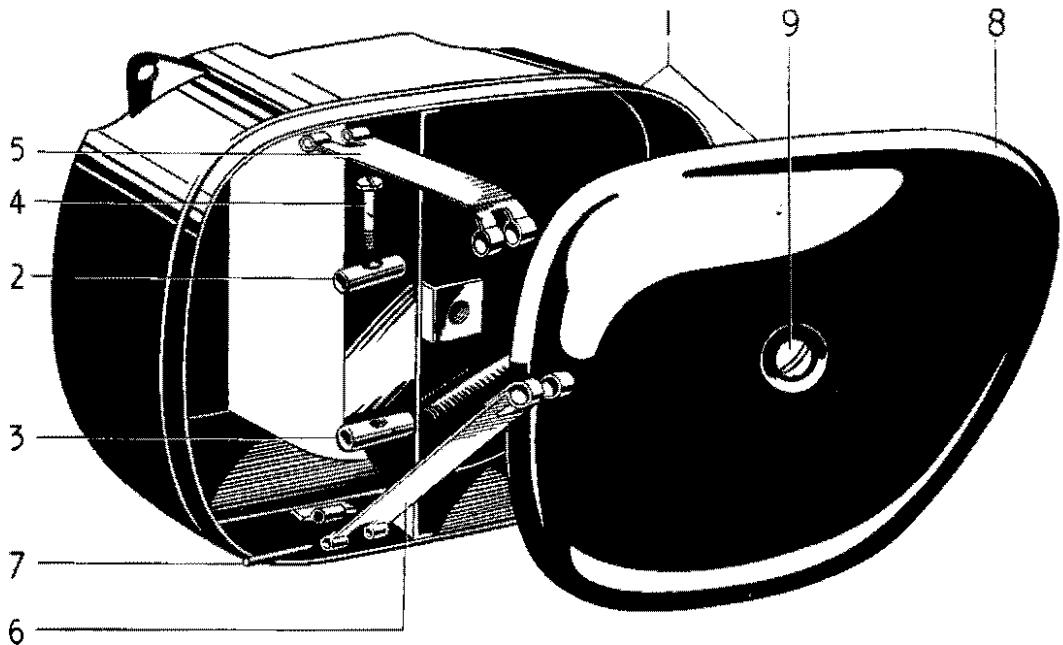
13	F3593	Footrest, R.H.	1	1	1	1	1	1
14	F987	Footrest, L.H.	1	1	1	1	1	1
15	NF704	Rubber, footrest	2	2	2	2	2	2
16	F3592	Rod, footrest	1	1	1	1	1	1
17	DS48	Nut, footrest rod	2	2	2	2	2	2
18	NT316	Dowel, footrest R.H.	2	2	2	2	2	2
19	F862	Distance tube, engine plate	1	1	1	1	1	1
20	T87	Distance tube, L.H. footrest	1	1	1	1	1	1

### PILLION FOOTREST

21	F1694	Pedal, footrest	2	2	2	2	2	2
22	F1695	Rubber, footrest pedal	2	2	2	2	2	2
23	F2271	Bolt, footrest pedal pivot $\frac{3}{8}$ " U/H	2	2	2	2	2	2
24	SI-S1	Nut, footrest pedal pivot bolt	2	2	2	2	2	2
25	F2277	Washer, footrest pedal pivot bolt	2	2	2	2	2	2



## BATTERY CARRIER AND TOOLBOX – GROUP 26



**FIG. 26. BATTERY CARRIER AND TOOL BOX**

### INDEX FIG. 26

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3870	84	1	6	F1668	84	6
2	E534	84	2	7	F1727	84	7
3	E535	84	3	8	F3874	84	8
4	E536	84	4	9	F3875	84	9
5	F3588	84	5				

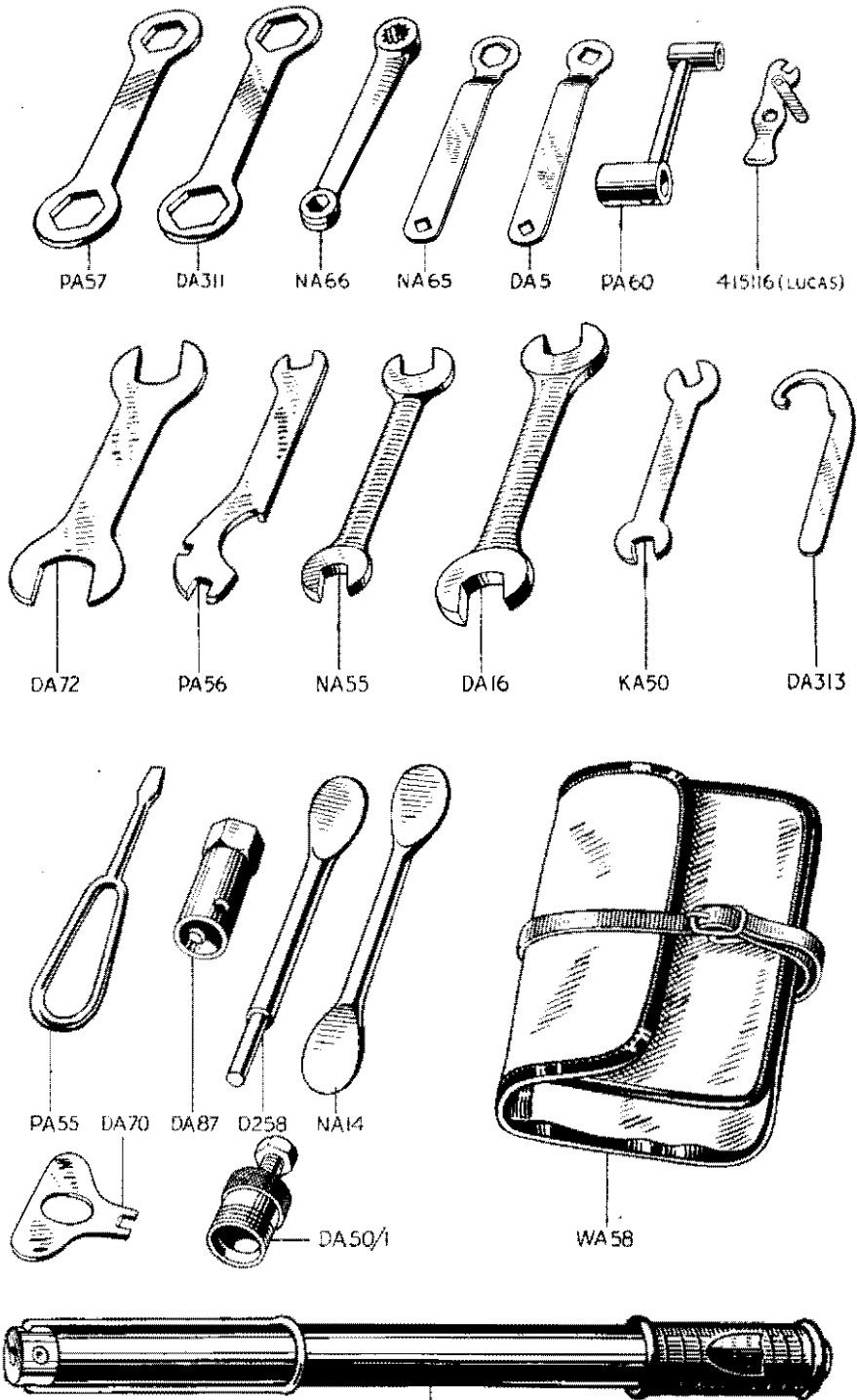
## GROUP 27 - TOOLKIT

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>TOOLKIT—GROUP 27</b>								
1	DA312	Toolkit, complete						
2	WA58	Roll, canvas tool						
3	DA72	Spanner, open $\frac{1}{2}$ " × $\frac{9}{16}$ " whit.						
4	KA50	Spanner, open Spec. × $\frac{1}{2}$ " whit.						
5	NA55	Spanner, open $\frac{1}{2}$ " × $\frac{11}{16}$ " whit.						
6	DA16	Spanner, open $\frac{3}{8}$ " × $\frac{1}{2}$ " whit.						
7	DA55	Spanner, closed .218" × .338" square						
8	NA66	Spanner, closed .218" × $\frac{1}{8}$ " whit.						
9	NA6	Spanner, closed $\frac{3}{8}$ " × $\frac{1}{2}$ " whit.						
10	PA57	Spanner, closed $\frac{1}{2}$ " × $\frac{9}{16}$ " whit.						
11	DA311	Spanner, closed $\frac{3}{8}$ " × $\frac{1}{2}$ " whit.						
12	PA56	Spanner, combination						
13	DA313	Spanner, suspension units "C"						
14	PA60	Spanner, box $\frac{1}{2}$ " × $\frac{3}{8}$ " whit.						
15	D87	Spanner, box sparking plug						
16	D258	Tommy bar, sparking plug spanner and tyre lever						
17	415116	Spanner, magneto contact (Lucas)						
18	DA70	Key, clutch adjusting						
19	DA50/1	Extractor, clutch centre						
20	NA14A	Lever, tyre						
21	D336	Screwdriver, Phillips No. 3						
22	PA55	Screwdriver						
23	D49	Inflator, tyre						
24	D220	Spanner, fork cap nut (not included in toolkit)						
25	167	Extractor, chain rivet (not included in toolkit)						
26	Z90	Drive shaft adaptor (not included in toolkit)						

### SPECIAL WORKSHOP TOOLS

A COMPLETE LIST OF WORKSHOP TOOLS CAN BE MADE AVAILABLE BY EITHER CONTACTING YOUR DEALER OR APPLYING DIRECT TO THE TRIUMPH SERVICE DEPARTMENT. IN MOST CASES THESE TOOLS ARE VERY COSTLY AS THEY ARE MADE ENTIRELY FOR WORKSHOP USE, AND THEREFORE, IT IS NOT RECOMMENDED THAT THE PRIVATE OWNER PURCHASES THE TOOLS IN ORDER TO AID SERVICING THE MACHINE ONCE OR TWICE ONLY. IN THESE CIRCUMSTANCES IT IS FAR MORE ECONOMICAL TO GET IN TOUCH WITH A RECOGNISED DEALER.

**TOOLKIT – GROUP 27**



**FIG. 27. TOOL KIT**

# GROUP 28 – AIR FILTER

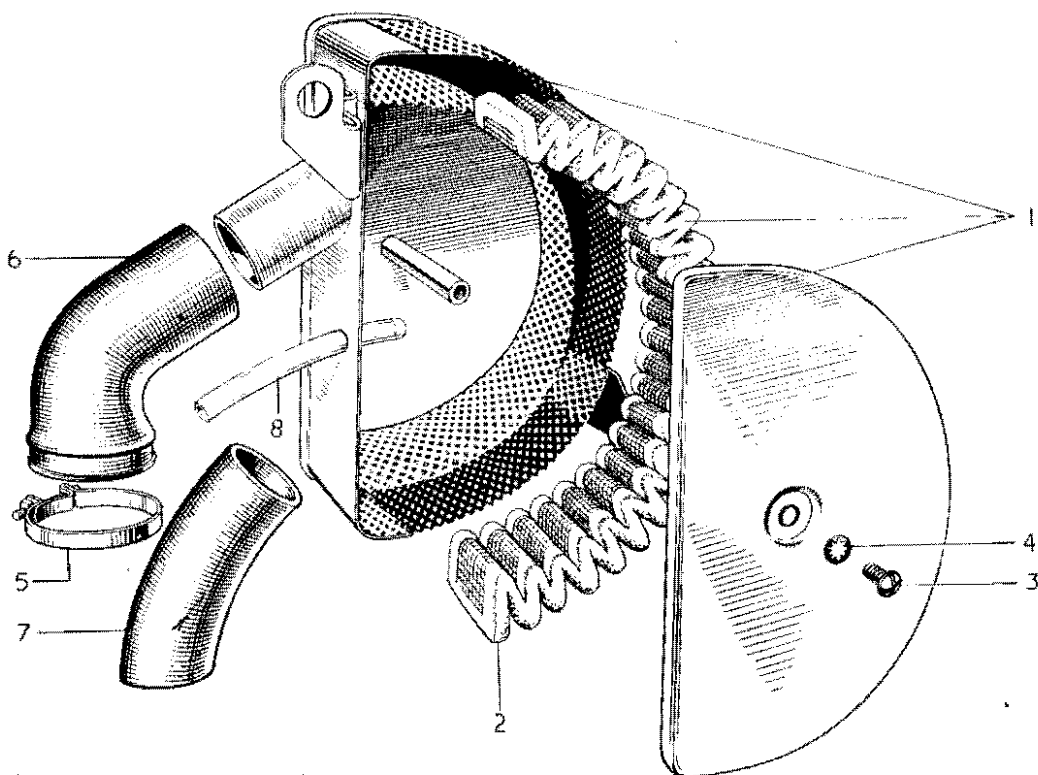


FIG. 28. AIR FILTER

## INDEX FIG. 28

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3857	88	1	5	F3859	88	9
	F3812	88	2	6	F3858	88	8
2	F3315E	88	3	7	F3729	88	7
3	F3376	88	4	8	F3339	94	2
4	E2312	88	5				



**AIR FILTER — GROUP 28**  
**LEGSHIELD — GROUP 29**  
**SIDECAR FITTINGS — GROUP 30**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
----------	----------	-------------	----	----	-----	------	------	-----

**AIR FILTER—GROUP 28**

1	F3857	Air filter assembly ... ..	1	—	1	1	1	1
2	F3812	Air filter assembly ... ..	—	1	—	—	—	—
3	F3315E	Element only ... ..	1	1	1	1	1	1
4	F3376	Screw, cover $\frac{3}{8}$ " U/H ... ..	1	1	1	1	1	1
5	E2312	Washer, cover screw ... ..	1	1	1	1	1	1
6	F3728	Sleeve, mild steel ... ..	—	1	—	—	—	—
7	F3729	Connection, rubber ... ..	—	1	—	—	—	—
8	F3858	Connection, rubber ... ..	1	—	1	1	1	1
9	F3859	Clip, at carburetter ... ..	1	—	1	1	1	1

**LEGSHIELD—GROUP 29**

10	F3208	Legshield L.H. ... ..	1	1	—	1	1	—
11	F3894	Legshield R.H. ... ..	1	1	—	1	1	—
12	F3326	Stay, legshield ... ..	2	2	—	2	2	—
13	E1598	Clip, front down tube ... ..	1	1	—	1	1	—
14	F1031	Bolt, stay to clip $\frac{1}{8}$ " U/H ... ..	1	1	—	1	1	—
15	PO172A	Nut, stay to clip bolt ... ..	1	1	—	1	1	—
16	S25-2	Washer, stay to clip bolt ... ..	1	1	—	1	1	—
17	DS57	Bolt, stay to legshield $\frac{7}{16}$ " U/H ... ..	4	4	—	4	4	—
18	F879	Nut, stay to legshield bolt ... ..	4	4	—	4	4	—
19	S26-2	Washer, stay to legshield bolt ... ..	4	4	—	4	4	—

**SIDECAR FITTINGS—GROUP 30**

20	F2587	Lug, lower front connection ... ..	1	1	1	1	1	1
21	F1746	Sleeve nut, lug to frame ... ..	2	2	2	2	2	2
22	F2600	Bolt, lower front lug ... ..	1	1	1	1	1	1
23	F1747	Nut, lower front lug bolt ... ..	1	1	1	1	1	1

**N.B.** Fittings for the front down tube, seat tube top lug and seat tube bottom lug are provided by the sidecar manufacturer.

## PROPRIETARY GROUP

### PROPRIETARY GROUP

Ancillary equipment which is fitted to our motor cycles is of the highest quality and is guaranteed by the manufacturers and not by ourselves. Any repairs or claims should be made to the actual maker who will always give owners every possible assistance. The following are the addresses of the various manufacturers -

<b>CARBURETTERS</b> ... ..	Messrs. Amal Ltd., Holdford Road, Witton, Birmingham, 6.  The S.U. Carburetter Co., Ltd., Wood Lane, Erdington, Birmingham, 24.
<b>CHAINS</b> ... ..	Renold Chains Ltd., Didsbury, Manchester.
<b>ELECTRICAL EQUIPMENT</b> ...	Messrs. J. Lucas, Ltd., Gt. Hampton Street, Birmingham, 18.
<b>SPARKING PLUGS</b> ... ..	Champion Sparking Plug Co. Ltd., Feltham, Middlesex.  K.L.G. Sparking Plugs Ltd., Cricklewood Works, London, N.W.2.  Lodge Plugs Ltd., Rugby, Warwickshire.
<b>SPEEDOMETERS</b> ... ..	Messrs. Smiths Motor Accessories Ltd., Cricklewood Works, London, N.W.2.
<b>SUSPENSION UNITS</b> ... ..	Messrs. Girling Ltd., Kings Road, Tyseley, Birmingham, 11.
<b>TYRES</b> ... ..	Dunlop Rubber Co. Ltd., Fort Dunlop, Birmingham, 24.



# GROUP 31 - AMAL CARBURETTER

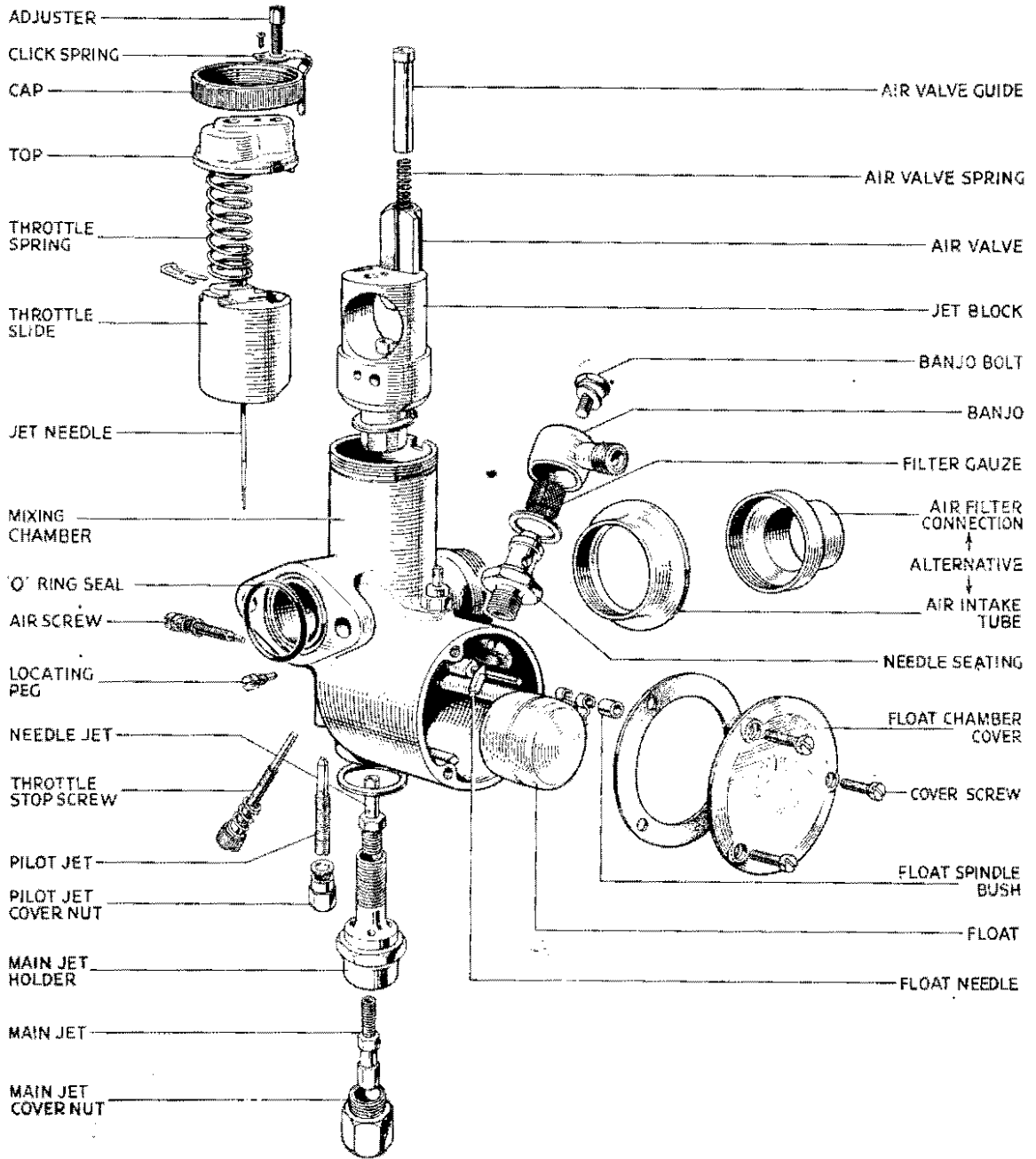


FIG. 27. AMAL CARBURETTER

## AMAL CARBURETTER — GROUP 31

REF. No.	PART No.	DESCRIPTION	ST	6T	TR5	T100	T110	TR6
1	376.086	Tickler ... ..						
2	343.011	Body, tickler ... ..						
3	376.087	Spring, tickler ... ..						
4	376.090	Connection, banjo ... ..		—	—	—	—	—
5	376.108	Connection, banjo ... ..	—					
6	14.175	Washer, banjo ... ..						
7	376.093	Gauze, filter ... ..						
8	376.091	Bolt, banjo ... ..						
9	376.092	Washer, banjo bolt ... ..						
10	NA43A	Washer, insulating block to manifold ...	—	—				
11	E2968	Block, insulating ... ..	—	—				
12	244.765	"O" ring seal, carburetter to manifold ...						
13	376.066	Tube, air intake ... .. (for use when air filter is disconnected)	A	A	A	A	A	A

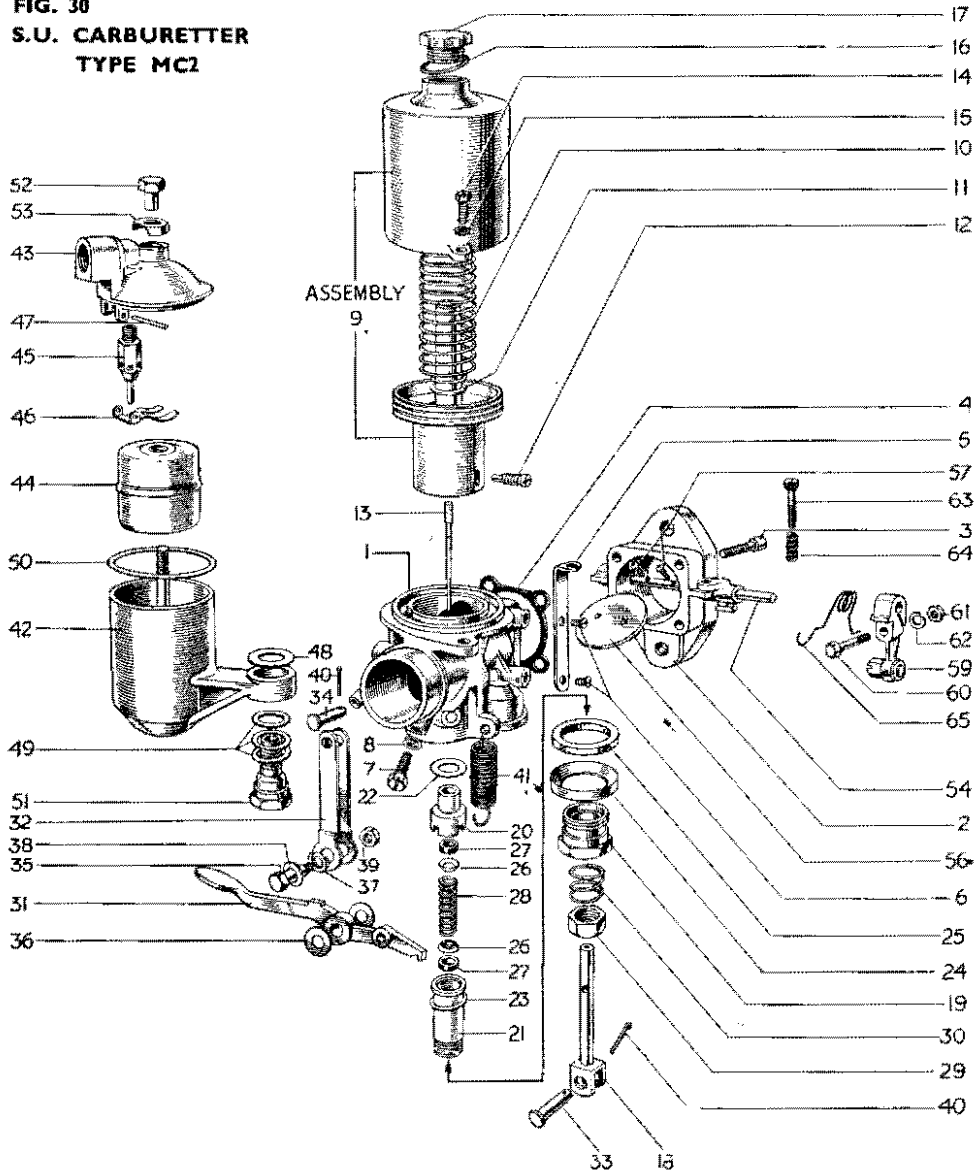
**N.B.** When air filter is disconnected, fit a main jet size 20 larger :— e.g., T110 main jet was 250, fit 270.

For sustained high speed, check sparking plug condition (first make sure plug grade is correct) as detailed in Amal leaflet No. 502, and increase jet size further if necessary.



# S.U. CARBURETTOR — GROUP 32

FIG. 30  
S.U. CARBURETTOR  
TYPE MC2



REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>CARBURETTOR BODY</b>								
1	AUC7023	Body, carburettor c/w guide pin and plug	—	1	—	—	—	—
2	AUC4923	Adaptor, throttle barrel	—	1	—	—	—	—
3	4805	Screw, adaptor to body	—	4	—	—	—	—
4	4804	Joint, adaptor to body	—	1	—	—	—	—
5	AUC1011	Abutment bracket, throttle cable	—	1	—	—	—	—
6	5073	Screw, bracket to carburettor	—	2	—	—	—	—
7	4857	Screw, 2BA Plug	—	1	—	—	—	—
8	1863	Washer, 2BA Plug screw	—	1	—	—	—	—





**S.U. CARBURETTER — GROUP 32**  
**CHAIN — GROUP 33**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	130	Washer, fibre ... ..	—	1	—	—	—	—
2	5026/7	Washer, set—2 fibre, 1 brass ... ..	—	1	—	—	—	—
3	1412	Washer, float chamber lid ... ..	—	1	—	—	—	—
4	1541/3	Bolt, holding ... ..	—	1	—	—	—	—
5	1163	Nut, float lid ... ..	—	1	—	—	—	—
6	1606	Cap, brass ... ..	—	1	—	—	—	—

**THROTTLE**

7	4901/4807	Spindle, throttle ... ..	—	1	—	—	—	—
8	169	Disc, throttle ... ..	—	1	—	—	—	—
9	1358	Screw, throttle disc ... ..	—	2	—	—	—	—
10	106	Pin, taper ... ..	—	1	—	—	—	—
11	1500/6	Lever, throttle ... ..	—	1	—	—	—	—
12	694	Bolt ... ..	—	1	—	—	—	—
13	156	Nut ... ..	—	1	—	—	—	—
14	246	Washer, spring ... ..	—	1	—	—	—	—
15	3464	Screw, adjusting ... ..	—	1	—	—	—	—
16	3465	Spring, adjusting screw lock ... ..	—	1	—	—	—	—
17	5070	Spring, return ... ..	—	1	—	—	—	—

**CHAIN—GROUP 33**

18	D301	Chain, primary 70L × $\frac{1}{2}$ " × .305" ... ..	1	1	1	1	1	1
19	D304	Chain, rear 100L × $\frac{5}{8}$ " × $\frac{3}{8}$ " ... ..	1	—	1	1	—	—
20	D310	Chain, rear 101L × $\frac{5}{8}$ " × $\frac{3}{8}$ " ... ..	—	1	—	—	1	1
21	110-046/49	Kit, primary chain spare parts ... ..	1	1	1	1	1	1
22	110-056/59	Kit, rear chain spare parts ... ..	1	1	1	1	1	1

## GROUP 34 — LUCAS LIGHTING AND IGNITION EQUIPMENT (DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
----------	----------	-------------	----	----	-----	------	------	-----

### LUCAS LIGHTING AND IGNITION EQUIPMENT—GROUP 34

(For Models fitted with Dynamo and Magneto)

#### DYNAMO (TYPE E3L-LIO)

1	200095	Dynamo complete (positive earth) ... ..	—	—				
2	200712	Armature ... ..	—	—				
3	200738	Brush gear ... ..	—	—				
4	200713	Bracket, commutator end ... ..	—	—				
5	189210	108 Bearing, commutator end ... ..	—	—				
6	200826	Cover, commutator end ... ..	—	—				
7	200748	Plate, drive and oil seal end ... ..	—	—				
8	200760	Bracket, drive and oil seal end ... ..	—	—				
9	189307	Bearing, drive and oil seal end ... ..	—	—				
10	200731	Coil, field ... ..	—	—				
11	200609	Band assembly, cover ... ..	—	—				
12	188818	Nipple, cable fixing ... ..	—	—	2	2	2	2
13	200829	Plate, cable clamp ... ..	—	—				
14	109660	Screw, cable clamp plate ... ..	—	—				
15	200732	Bolt, through fixing ... ..	—	—	2	2	2	2
16	166014	Nut, through fixing bolt ... ..	—	—	2	2	2	2
17	188330	Washer, through fixing bolt ... ..	—	—	2	2	2	2
18	200737	Brush set ... ..	—	—				
19	220197	Spring set, brush ... ..	—	—				
20	189386	Key, woodruff ... ..	—	—				
21	E2451	Pinion, dynamo ... ..	—	—				
22	111704	Screw, dynamo pinion ... ..	—	—				
23	188378	Washer, dynamo pinion ... ..	—	—				
24	E2228	Nut (dome), dynamo to gear case ... ..	—	—				
25	E2414	Stud, dynamo fixing 1 3/8" O/A ... ..	—	—				
26	E2226	Washer, dynamo to crankcase joint ... ..	—	—				
27	E2230	Strap, dynamo fixing ... ..	—	—				
28	460025	Swivel, dynamo strap ... ..	—	—	2	2	2	2
29	112450	Screw, dynamo strap ... ..	—	—	2	2	2	2
30	E2784	Cover plate, crankcase (when dynamo is removed) ... ..	—	—				
31	200830	Grommet, harness lead ... ..	—	—				

#### CUT-OUT AND REGULATOR UNIT (TYPE RB107)

32	37127H	Regulator, complete ... ..	—	—				
33	F1369	Bolt, unit to rear stays 3/8" U/H ... ..	—	—	2	2	2	2
34	F879	Nut, for F1369 ... ..	—	—	2	2	—	—
35	E1612	Washer, for F879 ... ..	—	—	2	2	—	—

## LUCAS LIGHTING AND IGNITION EQUIPMENT – GROUP 34 (DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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### HEADLAMP (NACELLE TYPE MCF700P)

1	51860A	Headlamp assembly ... ..	—	—	—	1	1	—
2	553248	Rim, front ... ..	—	—	—	1	1	—
3	534296	Screw and plate, front rim fixing ... ..	—	—	—	1	1	—
4	555309	Glass and reflector unit ... ..	—	—	—	1	1	—
5	553267	Ring, lamp fixing... ..	—	—	—	1	1	—
6	554602	Adaptor, bulb ... ..	—	—	—	1	1	—
7	504665	Fixing wire, light unit ... ..	—	—	—	6	6	—
8	373	Bulb, pre-focused 30/24W. ... ..	—	—	—	1	1	—
9	554710	Pilot bulbholder ... ..	—	—	—	1	1	—
10	988	Bulb, pilot 3W ... ..	—	—	—	1	1	—
11	H689	Screw, lamp fixing ring $\frac{1}{4}$ " U/H ... ..	—	—	—	2	2	—
12	H690	Nut, lamp fixing ring screw ... ..	—	—	—	2	2	—

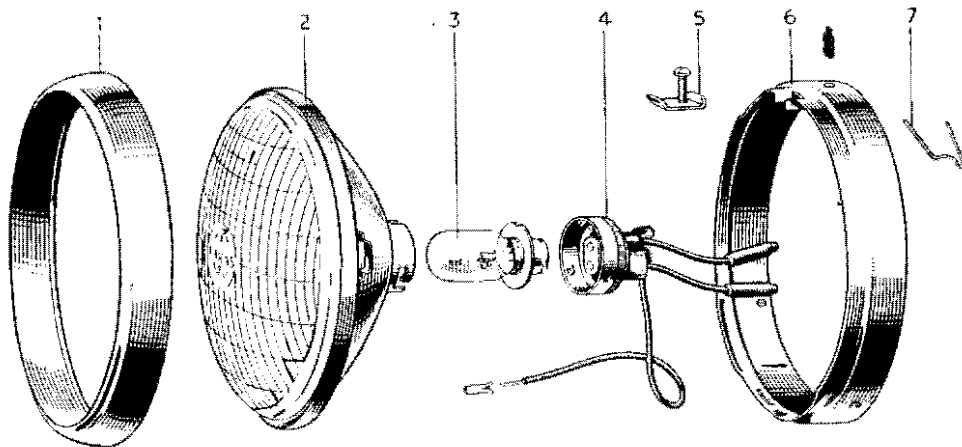
### HEADLAMP (TROPHY)

13	51892A	Headlamp assembly ... ..	—	—	1	—	—	1
14	553248	Rim, front ... ..	—	—	1	—	—	1
15	534296	Screw and plate, front rim fixing ... ..	—	—	1	—	—	1
16	516798	Glass and reflector unit ... ..	—	—	1	—	—	1
17	554602	Adaptor, bulb ... ..	—	—	1	—	—	1
18	504665	Fixing wire, light unit ... ..	—	—	6	—	—	6
19	312	Bulb, pre-focused 30/24W ... ..	—	—	1	—	—	1
20	554710	Pilot bulbholder ... ..	—	—	1	—	—	1
21	988	Bulb, pilot 3W ... ..	—	—	1	—	—	1
22	859260/809795	Plug and Socket ... ..	—	—	1	—	—	1
23	36084	Ammeter ... ..	—	—	1	—	—	1
24	31315	Switch, light ... ..	—	—	1	—	—	1
25	308312	Panel, instrument ... ..	—	—	1	—	—	1
26	516183	Beading, instrument panel ... ..	—	—	1	—	—	1
27	186130	Screw, instrument panel ... ..	—	—	4	—	—	4
28	188818	Nipple, cable fixing ... ..	—	—	1	—	—	1

### HORN (TYPE HFI441)

29	70048A	Horn, complete ... ..	—	—	1	1	1	1
30	701851	Bracket, horn ... ..	—	—	2	2	2	2
31	F3035	Bracket, horn (saddle stud fitting) ... ..	—	—	1	—	—	1
32	700920	Bracket, horn angle ... ..	—	—	—	1	1	—
33	142689	Screw, horn bracket ... ..	—	—	—	2	2	—
34	185051	Washer, horn bracket ... ..	—	—	—	2	2	—
35	DS57	Bolt, horn bracket to lug $\frac{7}{16}$ " U/H ... ..	—	—	—	2	2	—
36	S26-2	Washer, horn bracket to lug ... ..	—	—	—	2	2	—
37	H687	Screw, mounting bracket $\frac{1}{4}$ " U/H ... ..	—	—	2	—	—	2
38	GS299	Washer, bracket screw ... ..	—	—	2	—	—	2
39	H745	Nut, bracket screw ... ..	—	—	2	—	—	2

**GROUP 34 — LUCAS LIGHTING AND IGNITION EQUIPMENT  
(DYNAMO AND MAGNETO)**



**FIG. 31. HEAD LAMP**

**INDEX FOR DYNAMO CONDITION**

**INDEX FOR "D.C." CONDITION (T100, T110, TR5 & TR6)**

<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>	<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>
1	553248	99	2	4	554602	99	6
2	555309	99	4	5	534296	99	3
	516798	99	16	6	553267	99	5
3	373	99	8	7	504665	99	7
	312	99	19				

**INDEX FOR "AC" CONDITION (5T & 6T)**

<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>	<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>
1	553248	105	15	5	534296	105	16
2	555309	105	17	6	553267	105	18
3	373	105	21	7	504665	105	20
4	554602	105	19				

## LUCAS LIGHTING AND IGNITION EQUIPMENT — GROUP 34 (DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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### TAIL LAMP (STOP LIGHT PATTERN WITH INTEGRAL REFLECTORS) TYPE 564

1	53432A	Stop and tail lamp ... ..	—	—				
2	573839	Lens ... ..	—	—				
3	575200	Window ... ..	—	—				
4	575208	Gasket, lens seating ... ..	—	—				
5	552928	Screw, lens retaining ... ..	—	—	2	2	2	2
6	575212	Base assembly ... ..	—	—				
7	575209	Bulbholder assembly ... ..	—	—				
8	575207	Grommet, bulbholder ... ..	—	—				
9	573828	Contact assembly ... ..	—	—				
10	573825	Grommet, cable ... ..	—	—				
11	384	Bulb 6/18w offset pin ... ..	—	—				
12	31383	Switch, stop lamp ... ..	—	—				
13	H687	Screw, switch fixing $\frac{3}{4}$ " U/H ... ..	—	—	2	2	2	2
14	GS299	Washer, fixing screw ... ..	—	—	2	2	2	2

### WIRING HARNESS

15	836381	Wiring harness ... ..	—	—	—			—
16	831200	Wiring harness ... ..	—	—		—	—	
17	838604	Lead, twin stop/tail lamp ... ..	—	—				

### NACELLE INSTRUMENT PANEL

18	31371B	Switch, lighting ... ..	—	—	—			—
19	351S67	Lever and screw, switch ... ..	—	—	—			—
20	36129A	Ammeter ... ..	—	—	—			—
21	31071B	Button, cut-out ... ..	—	—	—			—

### HANDLEBAR SWITCHES AND PUSHBUTTONS

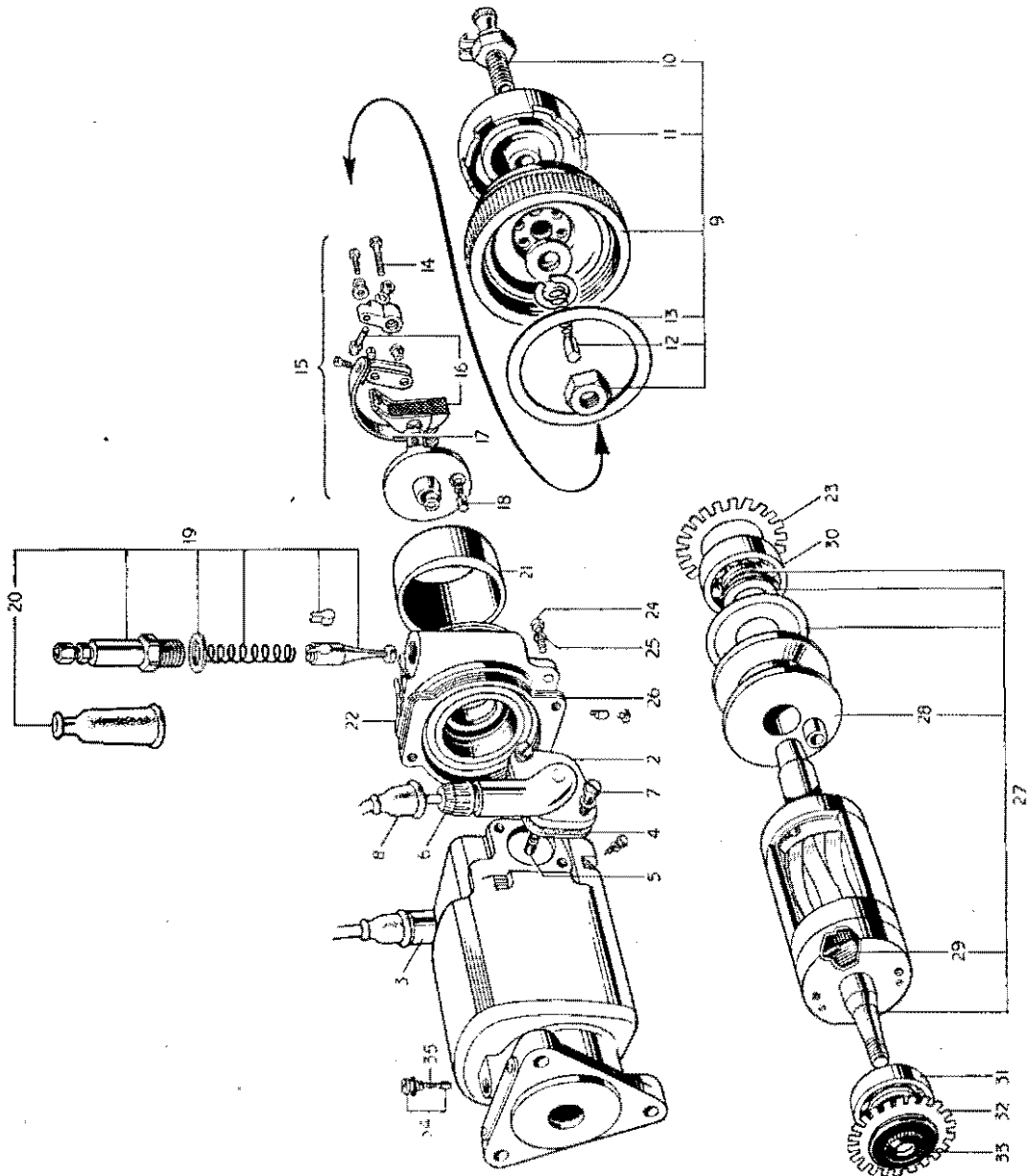
22	31563A	Switch, dipper and horn push ... ..	—	—				
23	31482	Screw, switch to lever clamp $\frac{1}{2}$ " U/H ... ..	—	—	2	2	2	2
24	76200A	Button, cut out ... ..	—	—		—	—	

### BATTERY (TYPE PU7E-9)

25	PU7E-9	Battery ... ..	—	—				
26	4179504	Plug, vent ... ..	—	—	3	3	3	3
27	4189048	Connection, battery lead "+" ... ..	—	—				
28	4189040	Connection, battery lead "-" ... ..	—	—				
29	4188743	Socket, connection "+" ... ..	—	—				
30	4188744	Socket, connection "-" ... ..	—	—				



# LUCAS LIGHTING AND IGNITION EQUIPMENT – GROUP 34 (DYNAMO AND MAGNETO)



**FIG. 32. LUCAS MAGNETO**





# LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR) – GROUP 34

EF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	400001	Base only, distributor ... ..	1	1	—	—	—	—
2	400164	Base c/w contact points ... ..	1	1	—	—	—	—
3	421414	Shaft and action plate ... ..	1	—	—	—	—	—
4	421935	Shaft and action plate ... ..	—	1	—	—	—	—
5	420406	Bushing ... ..	1	1	—	—	—	—
6	400843	Sundry parts set ... ..	1	1	—	—	—	—
7	407131	Toggle ... ..	1	1	—	—	—	—
8	410591	Clip, cover retaining ... ..	1	1	—	—	—	—
9	E3122	Adaptor, distributor to crankcase ... ..	1	1	—	—	—	—
10	SI-51	Nut, distributor to crankcase ... ..	3	3	—	—	—	—
11	PCE102F	Bolt, distributor clamp ... ..	1	1	—	—	—	—
12	E2312	Washer, distributor clamp ... ..	1	1	—	—	—	—
13	E3303	Cover, distributor protective ... ..	1	1	—	—	—	—

## HEADLAMP (NACELLE TYPE MCF700P)

14	51860A	Headlamp assembly ... ..	1	1	—	—	—	—
15	553248	Rim, front ... ..	1	1	—	—	—	—
16	534296	Screw and plate, front rim fixing ... ..	1	1	—	—	—	—
17	555309	Glass and reflector unit ... ..	1	1	—	—	—	—
18	553267	Ring, lamp fixing ... ..	1	1	—	—	—	—
19	554602	Adaptor, bulb ... ..	1	1	—	—	—	—
20	504665	Fixing wire, light unit ... ..	6	6	—	—	—	—
21	373	Bulb, pre-focused 30/24W. ... ..	1	1	—	—	—	—
22	554710	Pilot bulbholder ... ..	1	1	—	—	—	—
23	988	Bulb, pilot 3W. ... ..	1	1	—	—	—	—
24	H689	Screw, lamp fixing ring $\frac{1}{4}$ " U/H ... ..	2	2	—	—	—	—
25	H690	Nut, lamp fixing ring screw ... ..	2	2	—	—	—	—

## TAIL LAMP (STOP LIGHT PATTERN WITH INTEGRAL REFLECTORS) TYPE 564

26	53432A	Stop and tail lamp ... ..	1	1	—	—	—	—
27	573839	Lens ... ..	1	1	—	—	—	—
28	575200	Window ... ..	1	1	—	—	—	—
29	575208	Gasket, lens seating ... ..	1	1	—	—	—	—
30	552928	Screw, lens retaining ... ..	2	2	—	—	—	—
31	575212	Base assembly ... ..	1	1	—	—	—	—
32	575209	Bulbholder assembly ... ..	1	1	—	—	—	—
33	575207	Grommet, bulbholder ... ..	1	1	—	—	—	—
34	573828	Contact assembly ... ..	1	1	—	—	—	—
35	573825	Grommet, cable ... ..	1	1	—	—	—	—
36	384	Bulb 3/18W, offset pin ... ..	1	1	—	—	—	—
37	31383	Switch, stop lamp ... ..	1	1	—	—	—	—
38	H687	Screw, switch fixing $\frac{1}{4}$ " U/H ... ..	2	2	—	—	—	—
39	GS299	Washer, fixing screw ... ..	2	2	—	—	—	—

## GROUP 34 — LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
<b>WIRING HARNESS</b>								
1	838601	Harness, wiring ... ..	1	1	—	—	—	—
2	838604	Lead, twin stop/tail lamp ... ..	1	1	—	—	—	—
3	414965	Grommet, H.T. Coil and Distributor lead ... ..	2	2	—	—	—	—
4	236741	Grommet, L.T. Coil lead ... ..	2	2	—	—	—	—
5	458658	Grommet, Distributor plug leads ... ..	2	2	—	—	—	—
<b>NACELLE INSTRUMENT PANEL</b>								
6	31443B	Switch, lighting and ignition ... ..	1	1	—	—	—	—
7	318323	Grommet, switch for key ... ..	1	1	—	—	—	—
8	318341	Key, ignition ... ..	1	1	—	—	—	—
9	36189A	Ammeter ... ..	1	1	—	—	—	—
<b>HORN PUSH AND DIPPER SWITCH</b>								
10	31563A	Switch, dipper and horn push ... ..	1	1	—	—	—	—
11	H689	Screw, switch to lever clamp $\frac{1}{4}$ " U/H ... ..	2	2	—	—	—	—
<b>HORN</b>								
12	70048A	Horn, complete ... ..	1	1	—	—	—	—
13	701851	Bracket, horn ... ..	2	2	—	—	—	—
14	700920	Bracket, horn angle ... ..	1	1	—	—	—	—
15	142689	Screw, horn bracket ... ..	2	2	—	—	—	—
16	185051	Washer, horn bracket ... ..	2	2	—	—	—	—
17	DS57	Bolt, horn bracket to lug $\frac{3}{16}$ " U/H ... ..	2	2	—	—	—	—
18	S26-2	Washer, horn bracket to lug ... ..	2	2	—	—	—	—
<b>BATTERY (TYPE PU7E-9)</b>								
19	PU7E-9	Battery ... ..	1	1	—	—	—	—
20	4179504	Plug, vent ... ..	3	3	—	—	—	—
21	4189048	Connection, battery lead "+" ... ..	1	1	—	—	—	—
22	4189040	Connection, battery lead "—" ... ..	1	1	—	—	—	—
23	4188743	Socket, connection "+" ... ..	1	1	—	—	—	—
24	4188744	Socket, connection "—" ... ..	1	1	—	—	—	—





## TWIN CARBURETTER FITTINGS — GROUP 40

The following parts are necessary to convert the Tiger 100 or Trophy TR5  
to twin carburetter specification.

PART No.	DESCRIPTION	QUANTITY
----------	-------------	----------

### CYLINDER HEAD FITTINGS

E3004	Stud, inlet flange to cylinder head	4
E2728	Washer, inlet flange to cylinder head stud	4
W103	Nut, inlet flange to cylinder head stud	4
E3006	Flange, inlet	1
E3009	Sleeve, inlet flange	2
E2674	Stud, inlet flange to carburetter	4
E3007	Distance piece, inlet flange to carburetter R.H.	1
E3008	Distance piece, inlet flange to carburetter L.H.	1
S1-51	Nut, carburetter to flange	4
S25-3	Washer, carburetter to flange	4
E2618	Washer, distance piece and carburetter joint	2
E3650	Washer, inlet flange to cylinder head joint	2

### CARBURETTER (TYPE 6)

76/AO	Mixing chamber, assembly L.H.	1
76/AN	Mixing chamber, assembly R.H.	1
76/414	Mixing chamber only L.H.	1
76/415	Mixing chamber only R.H.	1
6/058	Block jet R.H.	1
6/058LH	Block jet L.H.	1
6/403	Top, mixing chamber	2
6/032B	Cap, mixing chamber	2
4/235	Spring, mixing chamber cap	2
4/241	Screw, mixing chamber cap spring	2
6/052	Valve, throttle 6/4	2
4/263	Spring, throttle valve	2
4/060	Split pin throttle valve	2
6/065	Needle, jet	2
4/230	Clip, needle	2
4/061	Jet, needle 109	2
4/042	Jet, main 180	2
6/062	Union nut, mixing chamber	2
6/040	Washer, union nut	2
4/043	Bolt, float chamber, holding	2
4/053	Washer, holding bolt	4
13/129	Screw, pilot air adjusting	2
4/148	Spring, pilot air adjusting	2
4/063	Screw, throttle stop	2
16/010	Locknut, throttle stop	2
6/038	Tube, air intake	2

## GROUP 40 — TWIN CARBURETTER FITTINGS

PART No.	DESCRIPTION	QUANTITY
14/538	Float chamber assembly (remote) ... ..	1
14/217R	Body, float chamber ... ..	1
14/138	Cover, float chamber ... ..	1
14/021	Screw, float chamber lock ... ..	1
14/031	Tickler, float ... ..	1
14/032	Spring, tickler ... ..	1
14/033	Pin, tickler split ... ..	1
14/189	Washer, tickler ... ..	1
14/245	Needle, float ... ..	1
14/304	Float ... ..	1
14/279	Spring, float bow ... ..	1
193/084	Pin, float securing cotter ... ..	1
14/253	Seating, needle valve ... ..	1
14/252	Washer, needle valve seating ... ..	1
14/250	Banjo 90° ... ..	1
14/275	Washer, banjo ... ..	2

### FLOAT CHAMBER MOUNTING

F3745	Clip, frame ... ..	2
F3740	Block, rubber attachment ... ..	1
F1149	Bolt, frame clip ... ..	2
E1612	Washer, frame clip ... ..	2
W103	Nut, frame clip ... ..	2
F3746	Clip, float chamber ... ..	1
TE164D	"D" washer ... ..	1
TE164C	"D" nut ... ..	1
TE164E	Bolt ... ..	1

*Use sandpaper packing between float chamber and bracket.*

### PETROL FEED PIPES

F3748	Pipe, petrol feed ... ..	2
F3694	Pipe, mixing chambers connecting ... ..	1
F3695	Pipe, connecting pipe to float chamber (flexible) ... ..	1
D177-2	Clip, connecting pipe to float chamber pipe ... ..	2

### THROTTLE CABLE (Type 6 Carburetter)

D216	Cable assembly, throttle ... ..	1
D218	Cable, handlebar to junction box ... ..	1
D219	Cable, junction box to carburetter ... ..	2
D101	Ferrule, at twistgrip and junction box ... ..	10
6/132	Ferrule, carburetter end ... ..	2
D104	Adjuster, cable ... ..	3
D83	Nipple, twistgrip end ... ..	1
NS191	Nipple, junction box and carburetter ... ..	5
244/104	Junction box, dual cable ... ..	1

# GUARANTEE

**W**E give the following guarantee with our motor cycles, motor cycle combinations and sidecars. This guarantee is given in place of any implied conditions or warranties or any liabilities whatsoever statutory or otherwise; no guarantee except that hereinafter contained and no conditions or warranty whatsoever statutory or otherwise is given or is to be implied, nor are we to be under any liability whatsoever except under the guarantee hereinafter contained. Any statement, description, condition or representation contained in any catalogue, advertisement, leaflet or other publication shall not be construed as enlarging, varying or overriding anything herein contained. In the case of machines (a) which have been used for "hiring out" purposes or (b) any motor cycle and/or sidecar used for any dirt tracks, cinder track or grass track racing or competitions (or any competition of any kind within an enclosure for which a charge is made for admission to take part in or view the competition) or (c) machines from which the trade mark, name or manufacturing number has been altered or removed or (d) any machines in which parts have been used not supplied by or approved by the motor cycle manufacturer, or (e) any machine from which the silencing system as fitted by the manufacturer has been partially or wholly removed or interfered with, no guarantee, condition or warranty of any kind statutory or otherwise is given or is to be implied nor are we to be under any liability whatsoever in respect of any such machine.

We guarantee, subject to the conditions mentioned below, that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force for six months only in the U.K. and ninety days overseas from date of purchase, or date of exchange in case of any part supplied by way of exchange as hereinafter provided, and damages for which we make ourselves responsible under this guarantee are limited to the free repair of or supply of a new part in exchange for the part of the motor cycle, motor cycle combination or sidecar which may have proved defective. We undertake, subject to the conditions mentioned below, to make good in manner aforesaid any part covered by this guarantee which has proved defective within the said period. We do not undertake to replace or refix, or bear the cost of replacing or refixing any such new part in the motor cycle, motor cycle combination or sidecar. As motor cycles, motor cycle combinations and sidecars are easily liable to derangement by neglect or misuse, this guarantee does not apply to defects caused by wear and tear, misuse or neglect.

The term "misuse" shall include amongst others the following acts :—

1. The attaching of a sidecar to a motor cycle in such a manner as to cause damage or calculated to render the latter unsafe when ridden.
2. The use of a motor cycle or of a motor cycle and sidecar combined, when carrying more persons or a greater weight than that for which the machine was designed by the manufacturers.
3. The attaching of a sidecar to a motor cycle by any form of attachment not provided, supplied, or approved by the manufacturers, or to a motor cycle which is not designed for such use.

We do not guarantee specialities such as tyres, saddles, chains, carburetters, electrical equipment, lamps, etc., or any accessories or component parts supplied to the order of the purchaser differing from those comprised in the standard specifications supplied with our motor cycles, motor cycle combinations or sidecars. As regards all such specialities, accessories or component parts, no guarantee, condition, or warranty of any kind statutory or otherwise is given or is to be implied, and we are to be under no liability whatsoever in respect thereof.

## **CONDITIONS OF GUARANTEE**

If a defective part should be found in our motor cycles, motor cycle combinations or sidecars, or in any part supplied by way of exchange as before provided, it must be sent to us CARRIAGE PAID, and accompanied by an intimation from the owner that he desires to have it repaired or exchanged free of charge under our guarantee and he must also furnish us at the same time with the frame number of the machine, the date of purchase or the date when the alleged defective part was exchanged as the case may be.

Failing compliance with the above, such articles will lie here at THE RISK OF THE OWNER, and this guarantee and any implied guarantee, warranty or condition, shall not be enforceable.

## **REPAIRS**

Any motor cycle, motor cycle combination or sidecar sent to us to be plated, enamelled or repaired will be repaired upon the following conditions, i.e., we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, such guarantee to extend and be in force for three months only from the time such work shall have been executed, and this guarantee is in lieu and in exclusion of all conditions and warranties statutory or otherwise and all liabilities whatsoever and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

## **NOTICE**

We do not appoint agents for the sale on our behalf of our motor cycles or other goods, but we assign to motor cycle Dealers areas in which we supply to such Dealers exclusively for re-sale in such areas. No such Dealer is authorised to transact any business, give any warranty, make any representation or incur any liability on our behalf. All goods are offered for sale subject to the price ruling at time of delivery. We reserve the right to modify or deviate from the published specification.



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To assist the owner and dealer in identifying requirements, this book contains numerous exploded views of major assemblies. Each component part is numbered and by cross reference to the illustration index, the part number of the component will be found. Against each part number a page and reference number is shown and by referring to the appropriate page, the full description of the part will be found against the reference number.

### Example.

To find the part number of a scraper ring for the model 5T.

1. Refer to illustration index above where it will be found that the exploded view of the 5T crankshaft assembly is on page 24.
2. Note that the number of the scraper ring on the illustration is 4.
3. Refer to the index for the illustration in question on page 25.
4. Note that No. 4 is part number GE29, listed on page 22, Reference line No. 19.

## MANIÈRE D'IDENTIFIER LA PIÈCE DE RECHANGE REQUISE.

Afin d'assister MM. les marchands et MM. les possesseurs à l'identification des pièces de rechange ce livre contient de nombreuses illustrations des montages principaux en façon de "perspectives éclatées".

Chaque pièce composante est numérotée ; en se référant à l'index des illustrations on peut trouver le numéro relatif.

À côté de chaque pièce illustrée se trouve le numéro de la page et le numéro de référence ; en se référant à la page appropriée la description complète de la pièce sera facilement constatée.

### Exemple.

Pour identifier le numéro de référence du segment racleur pour le modèle 5T veuillez :—

1. Se référer à la page intitulée "illustration index" où on trouvera que la "perspective éclatée" du moteur de la 5T est illustrée sur la page 24.
2. Noter qu'à côté du segment racleur se trouve le numéro 4.
3. Se référer à l'index donné sur la page numéro 25.
4. On y constatera que, suivant le numéro 4 se trouve.
  - (a) le numéro relatif—GE.29.
  - (b) le numéro de la page d'index—22.
  - (c) la ligne de référence—19.

## ANWEISUNG ZUR IDENTIFIZIERUNG BENOETIGTER ERSATZTEILE

Dieses Buch enthaelt mehrere zerlegte Ansichten der wesentlichen Bestandteile, um den Eigentuemern und Haendlern bei der Identifizierung ihrer Beduerfnisse behilflich zu sein.

Jede Komponente ist nummeriert, und unter Bezugnahme des Illustrations Indexes kann die Teilnummer der Komponente gefunden werden.

Gegen jede Teilnummer ist eine Seiten- und eine Referenznummer gegeben, und unter Beruecksichtigung der Seite kann man die vollstaendige Beschreibung des Teiles an hand der Referenznummer ermitteln.

### Beispiel.

Wie findet man die Teilnummer eines Abstreifringes fuer Modell 5T.

1. Man findet auf Illustrations-Index-Seite, dass sich die zerlegte Ansicht des Motors 5T auf Seite 24 befindet.
2. Die Illustration zeigt als nummer des Abstreifringes 4
3. Der hierzu in Frage kommende Index befindet sich auf Seite 25.
4. No. 4 (Nummer des Abstreifringes) traegt Teilnummer G.E. 29, aufgefuehrt auf Seite 22, Linie 19.

## MANERA DE ECONTRAR LA PIEZA DESEADA.

Para ayudar al propietario y al representante en la identificación de las piezas deseadas este libro contiene numerosas ilustraciones de los principales montages.

Cada pieza componente está numerada y al referirse al índice de ilustraciones, se encontrará el número de la pieza.

Contra el número de cada pieza se muestra el número de la página y el número de referencia y al referirse a la página apropiada, la descripción completa de cada pieza se encontrara contra el número de referencia.

### Ejemplo.

Para encontrar el número de pieza de un segmento para el modelo 5T.

1. Referirse a la página-índice de ilustraciones donde se verá que la ilustración del montaje del motor 5T esta en la página 24.
2. Nótese que el número del segmento en la ilustración es 4.
3. Referirse al índice de la ilustración en cuestión en la página 25.
4. Note que No. 4 es pieza número GE29 en la lista de la página 22 línea de referencia No. 19.